

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114827.D
 Acq On : 5 Jun 2019 19:27
 Operator : HP/JU
 Sample : K3186-01MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Manual Integrations
 APPROVED

mohammad
 6/6/2019 4:50:10 PM

Quant Time: Jun 06 06:42:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	340156	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1349975	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	706803	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1440338	20.00	ng	0.00
76) Chrysene-d12	13.80	240	874654	20.00	ng	0.00
87) Perylene-d12	15.20	264	1040226	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.27	112	1550212	79.63	ng	0.00
7) Phenol-d6	6.31	99	1938301	81.83	ng	0.00
23) Nitrobenzene-d5	7.23	82	1189075	54.22	ng	0.00
42) 2,4,6-Tribromophenol	10.49	330	629939	82.70	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2331790	61.80	ng	0.00
79) Terphenyl-d14	12.76	244	2684275	59.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.29	88	199632	21.479	ng	99
3) Pyridine	2.99	79	435071	17.033	ng	98
4) n-Nitrosodimethylamine	2.90	42	228984	24.494	ng	98
6) Aniline	6.33	93	505254	15.032	ng	97
8) 2-Chlorophenol	6.45	128	611690	27.196	ng	100
9) Benzaldehyde	6.21	77	184319	11.218	ng	98
10) Phenol	6.32	94	722398	26.669	ng	88
11) bis(2-Chloroethyl)ether	6.40	93	552230	26.122	ng	97
12) 1,3-Dichlorobenzene	6.61	146	650358	24.814	ng	100
13) 1,4-Dichlorobenzene	6.69	146	655982	24.874	ng	98
14) 1,2-Dichlorobenzene	6.84	146	621488	26.094	ng	97
15) Benzyl Alcohol	6.81	79	491296	27.427	ng	99
16) 2,2'-oxybis(1-Chloropropan	6.95	45	781862	25.860	ng	97
17) 2-Methylphenol	6.93	107	488062	25.386	ng	100
18) Hexachloroethane	7.19	117	232697	23.443	ng	93
19) n-Nitroso-di-n-propylamine	7.09	70	386789	24.668	ng	99
20) 3+4-Methylphenols	7.08	107	614143	28.961	ng	# 86
22) Acetophenone	7.07	105	801094	26.953	ng	96
24) Nitrobenzene	7.25	77	600141	26.416	ng	98
25) Isophorone	7.49	82	1136112	26.205	ng	98
26) 2-Nitrophenol	7.57	139	335725	27.284	ng	98
27) 2,4-Dimethylphenol	7.61	122	552087	29.520	ng	98
28) bis(2-Chloroethoxy)methane	7.70	93	711122	25.660	ng	100
29) 2,4-Dichlorophenol	7.81	162	540550	27.472	ng	99
30) 1,2,4-Trichlorobenzene	7.90	180	577764	25.591	ng	98
31) Naphthalene	7.97	128	1747471	28.753	ng	98
32) Benzoic acid	7.71	122	281073	20.635	ng	99
33) 4-Chloroaniline	8.02	127	354359	12.222	ng	99
34) Hexachlorobutadiene	8.10	225	312712	24.363	ng	99
35) Caprolactam	8.37	113	179713m	27.960	ng	
36) 4-Chloro-3-methylphenol	8.50	107	554157	28.303	ng	99
37) 2-Methylnaphthalene	8.66	142	1200335	28.474	ng	99
38) 1-Methylnaphthalene	8.76	142	1154357	28.875	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.83	216	532514	26.143	ng	100

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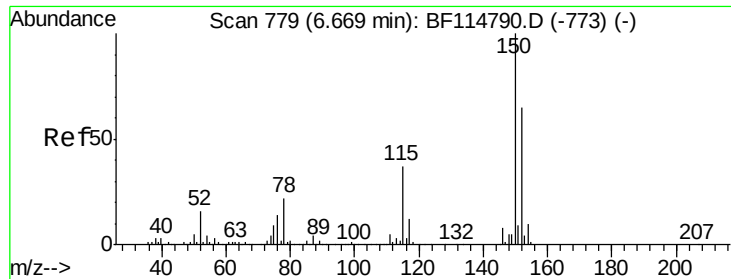
Manual Integrations
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 6/6/2019 4:50:10 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.82	237	406893	32.937	ng	99
43) 2,4,6-Trichlorophenol	8.94	196	405290	25.589	ng	99
44) 2,4,5-Trichlorophenol	8.98	196	432237	27.098	ng	96
46) 1,1'-Biphenyl	9.13	154	1461738	27.904	ng	97
47) 2-Chloronaphthalene	9.15	162	1166798	26.213	ng	97
48) 2-Nitroaniline	9.24	65	335084	25.226	ng	97
49) Acenaphthylene	9.56	152	1819846	28.193	ng	97
50) Dimethylphthalate	9.43	163	1771929	34.325	ng	100
51) 2,6-Dinitrotoluene	9.49	165	320118	26.368	ng	93
52) Acenaphthene	9.73	154	1197103	28.310	ng	99
53) 3-Nitroaniline	9.65	138	264997	18.685	ng	97
54) 2,4-Dinitrophenol	9.75	184	223864	40.750	ng	97
55) Dibenzofuran	9.90	168	1638580	27.867	ng	96
56) 4-Nitrophenol	9.82	139	572343	55.074	ng	90
57) 2,4-Dinitrotoluene	9.89	165	442076	28.966	ng	99
58) Fluorene	10.25	166	1182536	27.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.02	232	373347	28.569	ng	99
60) Diethylphthalate	10.13	149	1467342	28.327	ng	98
61) 4-Chlorophenyl-phenylether	10.24	204	595721	26.452	ng	97
62) 4-Nitroaniline	10.26	138	326288	23.720	ng	96
63) Azobenzene	10.40	77	1277430	28.971	ng	96
65) 4,6-Dinitro-2-methylphenol	10.29	198	158211	21.146	ng	99
66) n-Nitrosodiphenylamine	10.36	169	1170235	26.869	ng	99
67) 4-Bromophenyl-phenylether	10.73	248	408682	24.983	ng	93
68) Hexachlorobenzene	10.79	284	439512	24.549	ng	95
69) Atrazine	10.89	200	396428	26.172	ng	99
70) Pentachlorophenol	10.99	266	492184	47.555	ng	99
71) Phenanthrene	11.20	178	1950957	28.373	ng	99
72) Anthracene	11.25	178	2012843	27.816	ng	97
73) Carbazole	11.40	167	1790845	28.869	ng	97
74) Di-n-butylphthalate	11.74	149	2366549	29.005	ng	98
75) Fluoranthene	12.38	202	2094176	29.262	ng	97
77) Benzidine	12.50	184	175428	4.051	ng	# 85
78) Pyrene	12.60	202	2096372	27.629	ng	98
80) Butylbenzylphthalate	13.23	149	1066183	27.826	ng	96
81) Benzo(a)anthracene	13.79	228	1682741	24.966	ng	97
82) 3,3'-Dichlorobenzidine	13.75	252	523933	19.170	ng	99
83) Chrysene	13.83	228	1670219	25.473	ng	97
84) Bis(2-ethylhexyl)phthalate	13.80	149	1380030	28.483	ng	99
85) Di-n-octyl phthalate	14.42	149	2397149	29.118	ng	99
86) Indeno(1,2,3-cd)pyrene	16.52	276	1681580	22.477	ng	99
88) Benzo(b)fluoranthene	14.81	252	1802807	27.224	ng	99
89) Benzo(k)fluoranthene	14.84	252	1434142	25.502	ng	98
90) Benzo(a)pyrene	15.14	252	1587031	27.688	ng	99
91) Dibenzo(a,h)anthracene	16.53	278	1411863	26.010	ng	99
92) Benzo(g,h,i)perylene	16.91	276	1330246	24.370	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

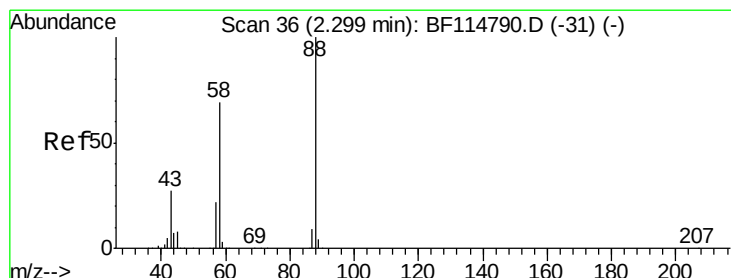
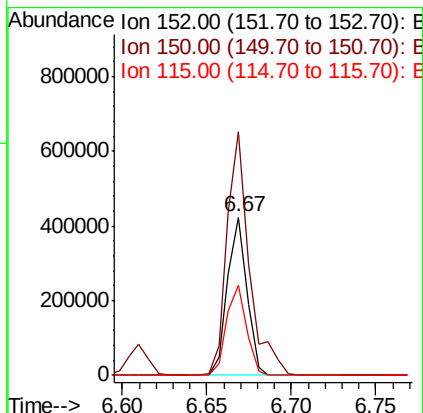
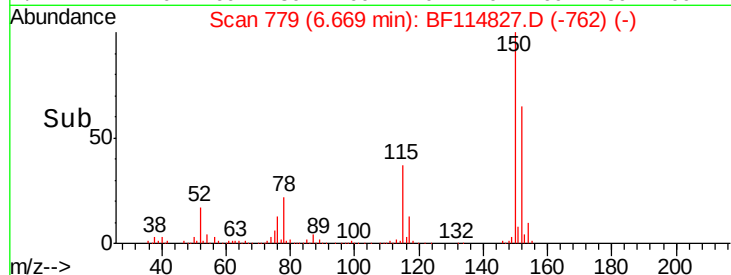
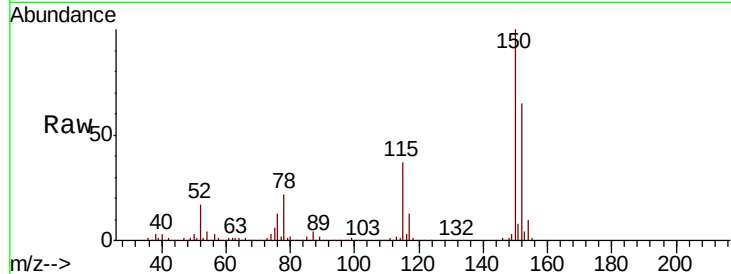
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.0	186.0
115	56.8	46.3	69.5

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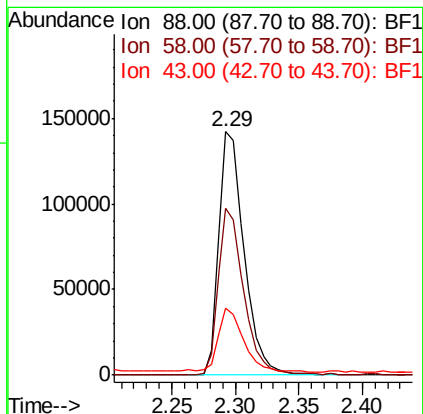
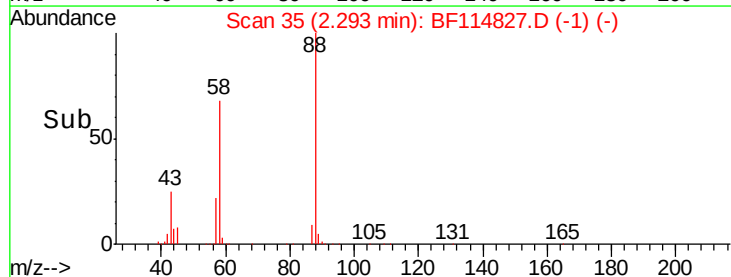
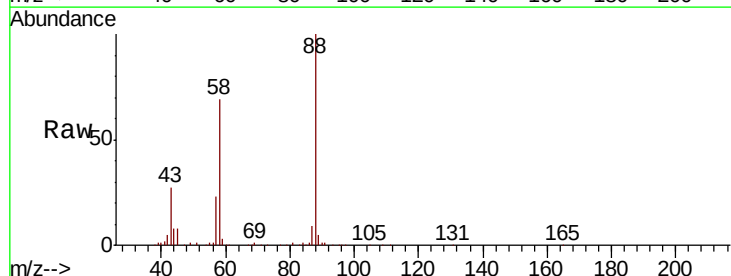
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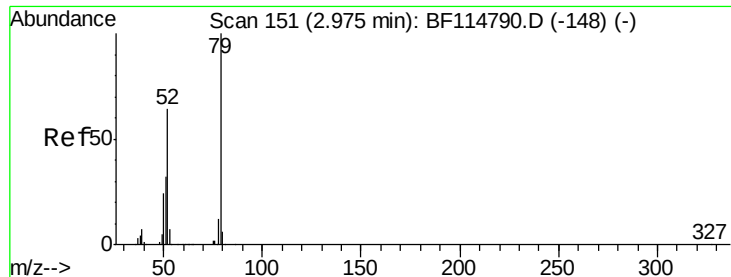


#2

1,4-Dioxane
Concen: 21.479 ng
RT: 2.29 min Scan# 35
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.3	53.8	80.8
43	27.0	20.7	31.1





#3

Pvridine

Concen: 17.033 ng

RT: 2.99 min Scan# 154

Delta R.T. 0.02 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

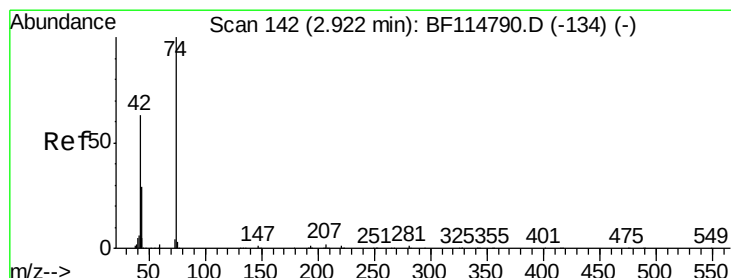
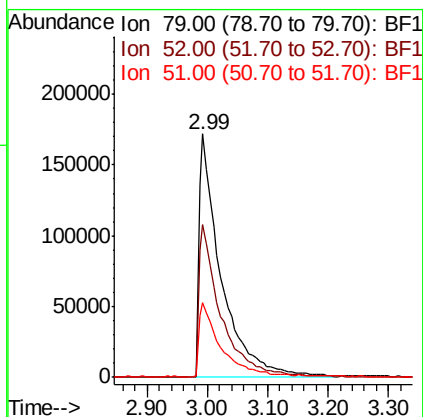
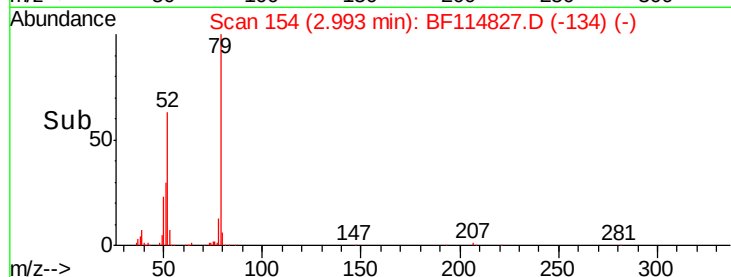
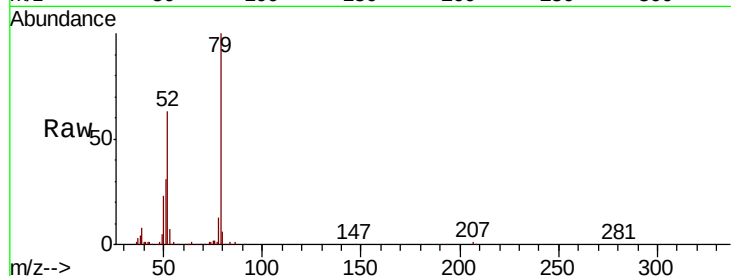
ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:	79	Resp:	435071
Ion	Ratio	Lower	Upper
79	100		
52	62.6	51.0	76.4
51	30.6	25.7	38.5

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 24.494 ng

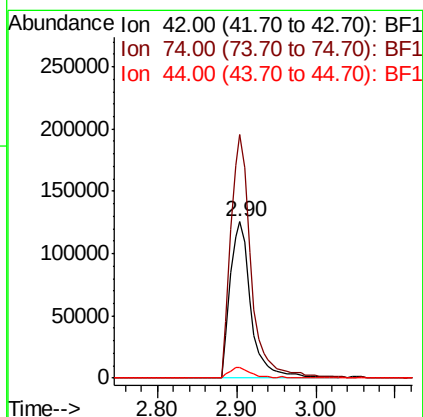
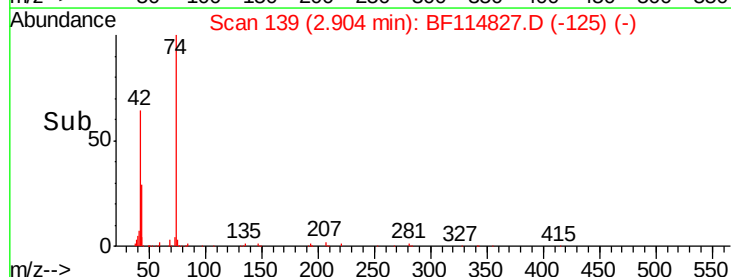
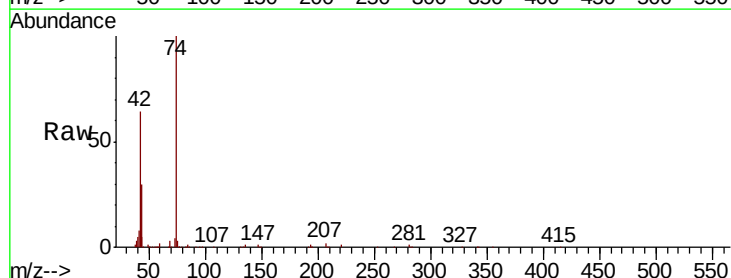
RT: 2.90 min Scan# 139

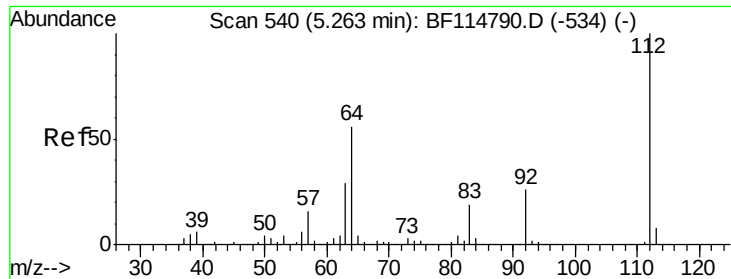
Delta R.T. -0.02 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tgt Ion:	42	Resp:	228984
Ion	Ratio	Lower	Upper
42	100		
74	155.7	126.2	189.2
44	7.2	5.9	8.9





#5

2-Fluorophenol

Concen: 79.633 ng

RT: 5.27 min Scan# 541

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

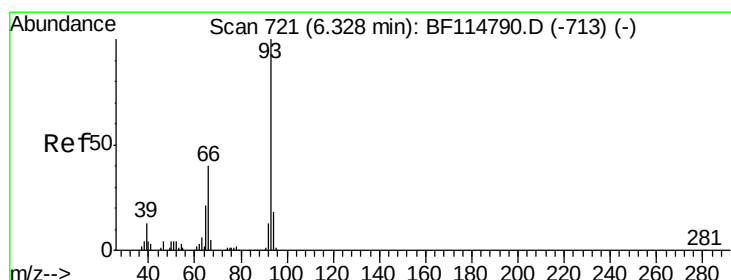
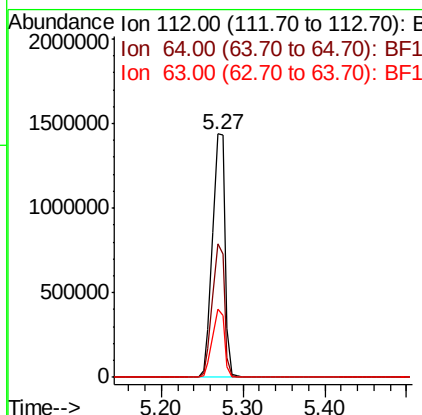
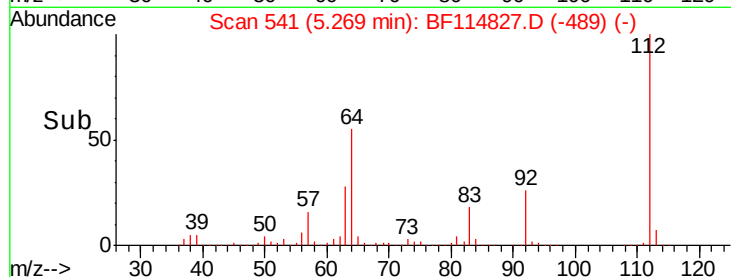
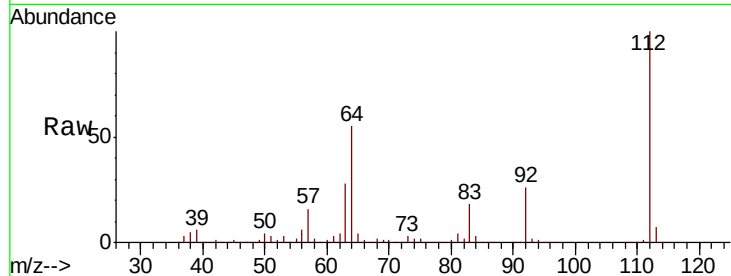
ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:	112	Resp:	1550212
Ion Ratio	Lower	Upper	
112	100		
64	54.7	44.6	66.8
63	28.2	23.0	34.4

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#6

Aniline

Concen: 15.032 ng

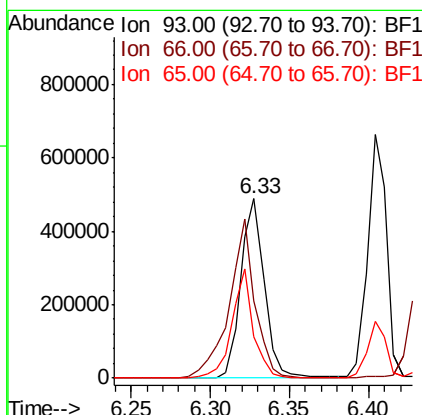
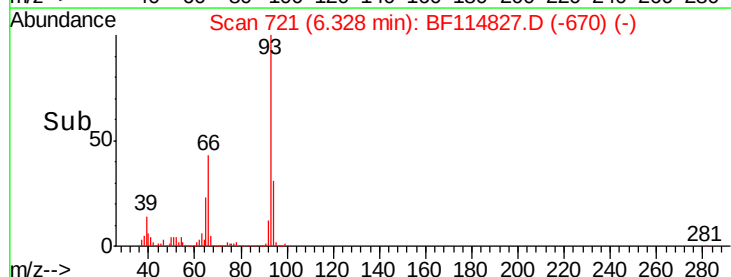
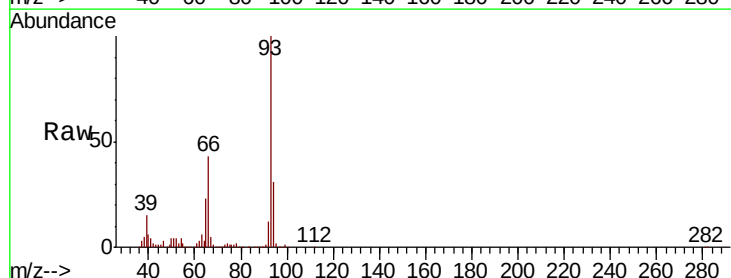
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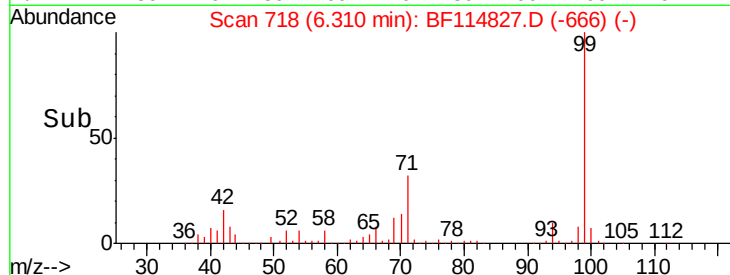
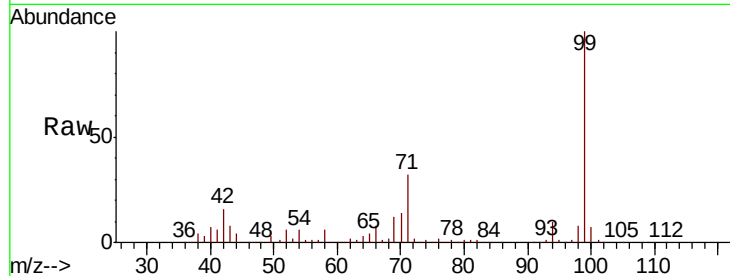
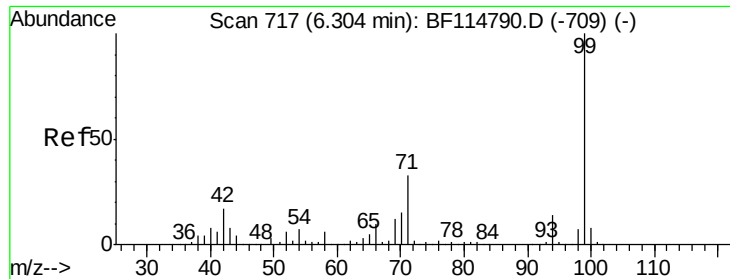
Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tgt Ion:	93	Resp:	505254
Ion Ratio	Lower	Upper	
93	100		
66	42.8	32.8	49.2
65	22.9	16.9	25.3





#7

Phenol-d6

Concen: 81.828 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tot Ion:	99	Resp:	1938301
Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.3	19.9
71	31.6	26.3	39.5

Instrument :

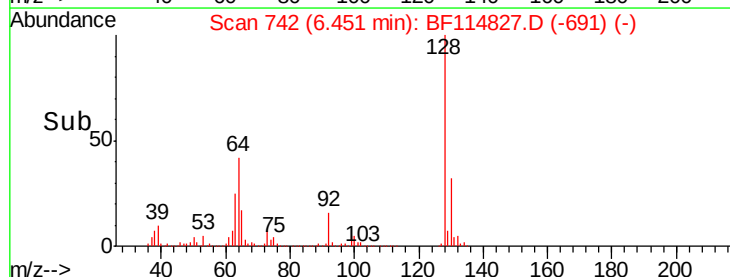
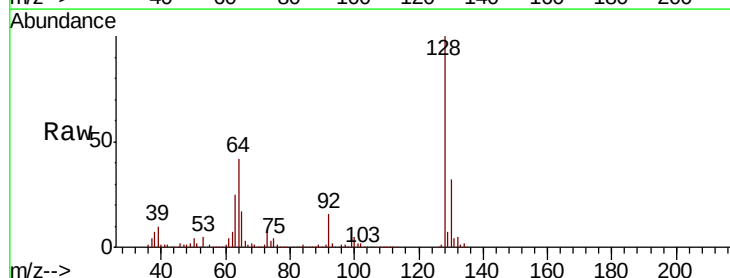
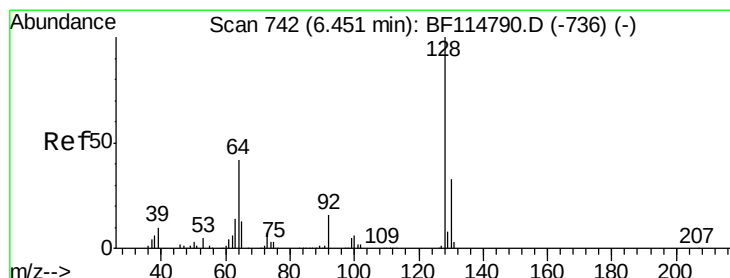
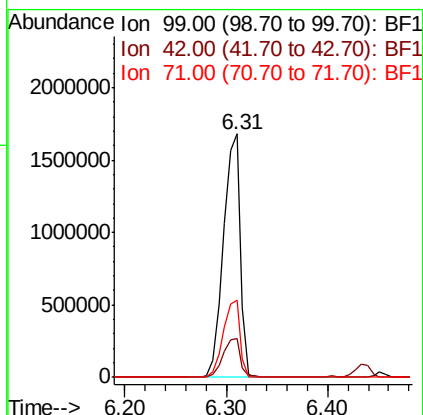
BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

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#8

2-Chlorophenol

Concen: 27.196 ng

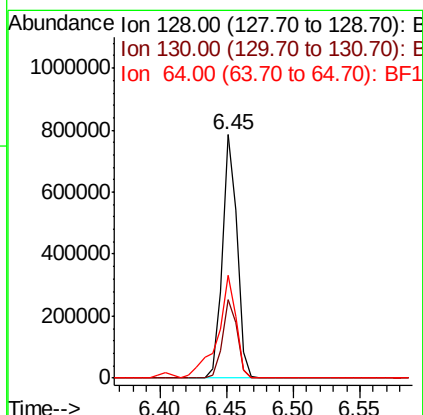
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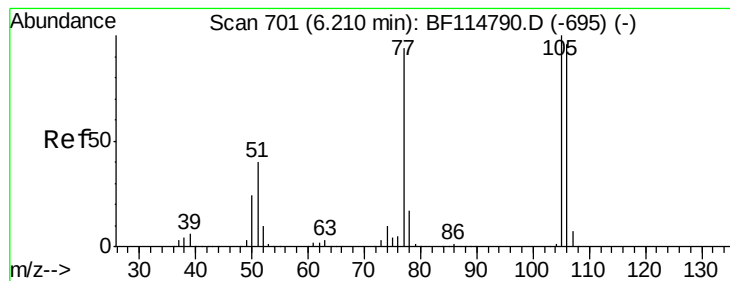
Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tgt Ion:	128	Resp:	611690
Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.7	52.7
64	42.5	22.5	62.5





#9

Benzaldehyde

Concen: 11.218 ng

RT: 6.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion: 77 Resp: 184319

Ion Ratio Lower Upper

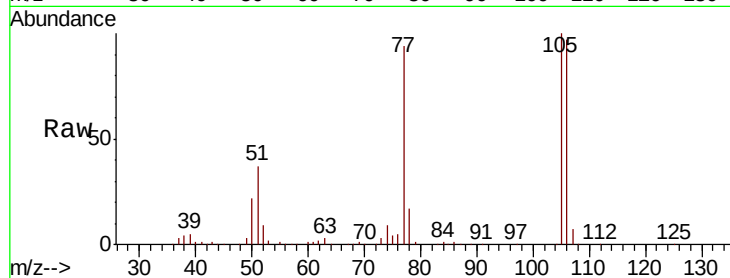
77 100

105 106.9 85.8 125.8

106 103.9 81.6 121.6

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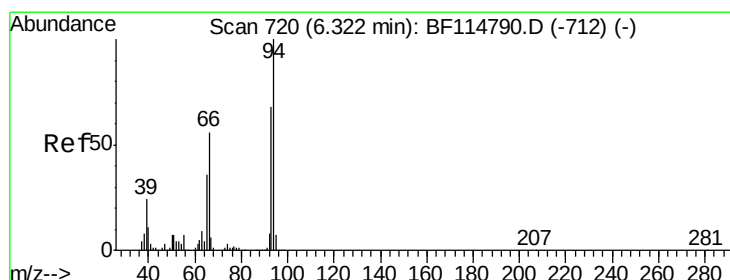
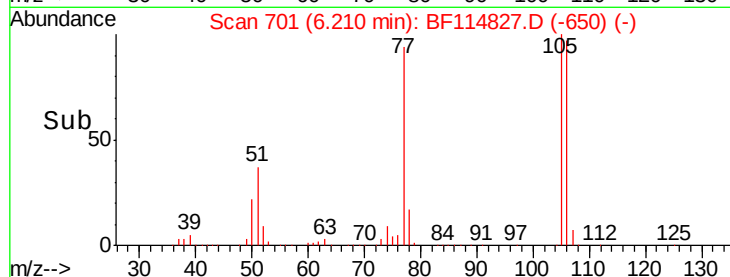
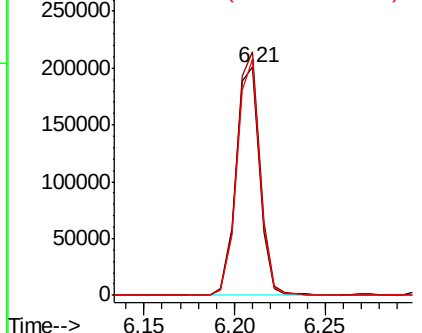
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Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 26.669 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

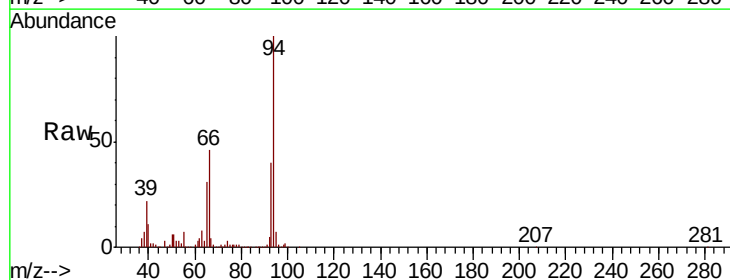
Tgt Ion: 94 Resp: 722398

Ion Ratio Lower Upper

94 100

65 31.5 16.1 56.1

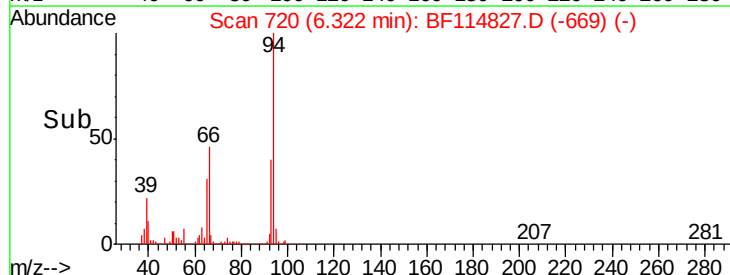
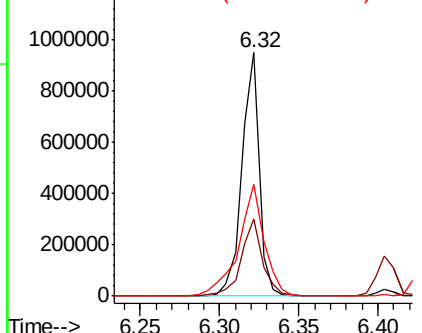
66 45.9 36.3 76.3

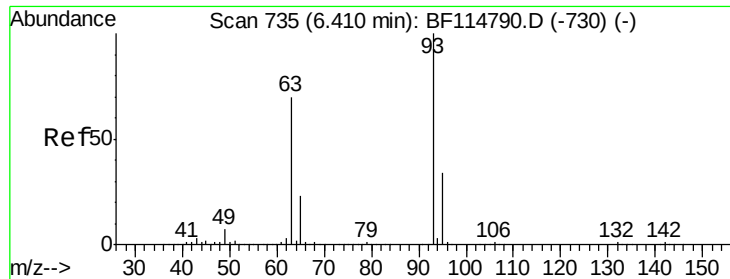


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





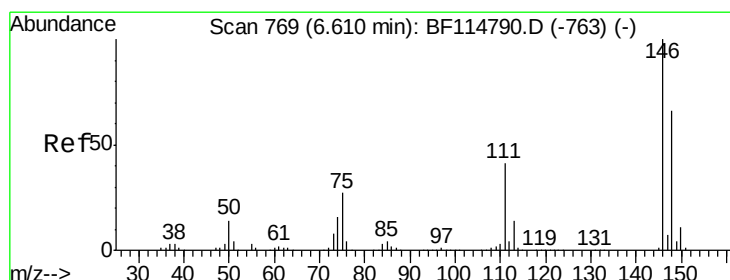
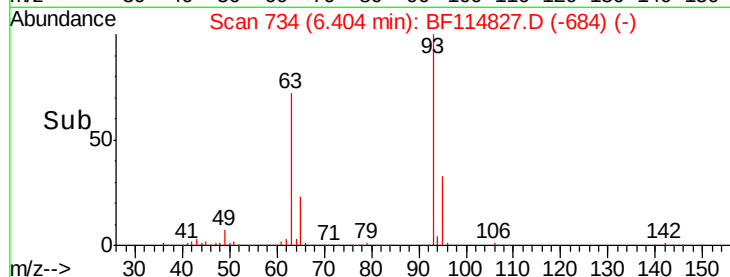
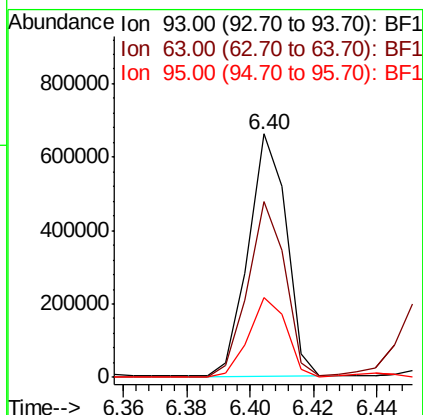
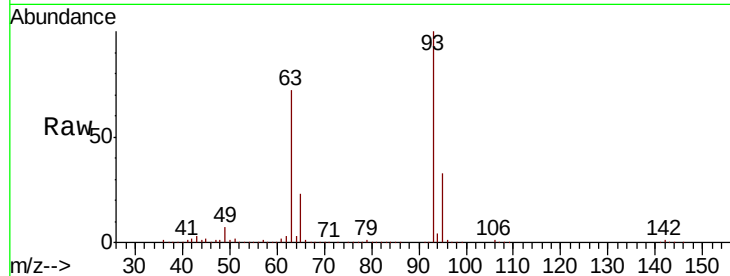
#11
bis(2-Chloroethyl)ether
Concen: 26.122 ng
RT: 6.40 min Scan# 734
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	72.3	49.6	89.6
95	32.8	13.6	53.6

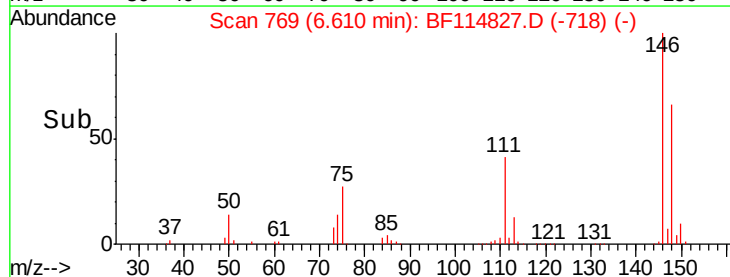
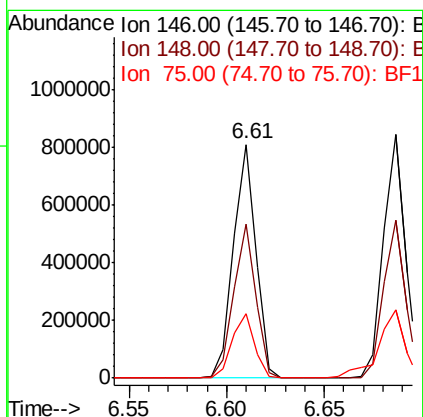
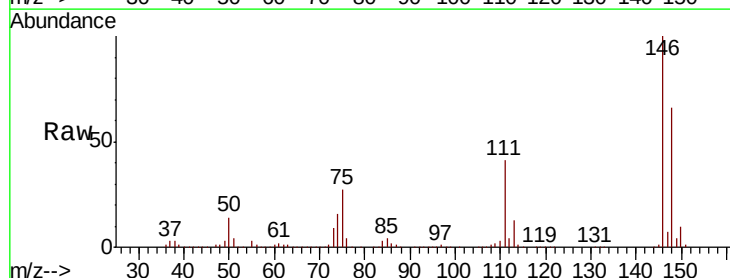
Manual Integrations
APPROVED

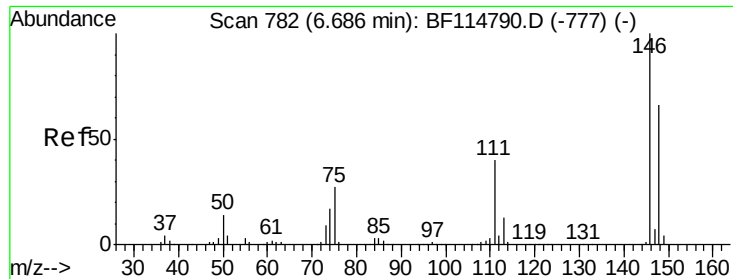
mohammad
6/6/2019 4:50:10 PM



#12
1,3-Dichlorobenzene
Concen: 24.814 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.8	52.7	79.1
75	27.5	22.0	33.0





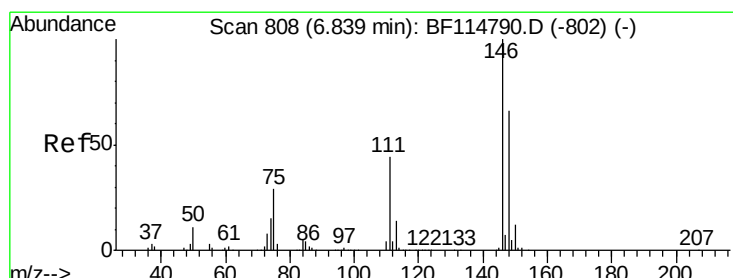
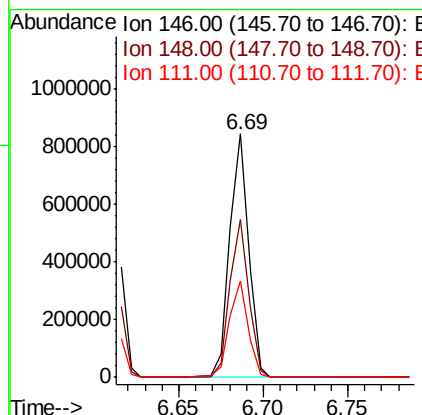
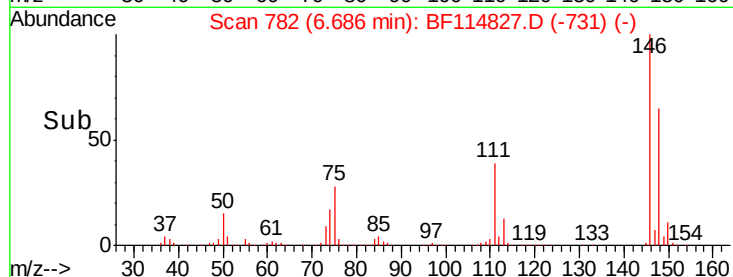
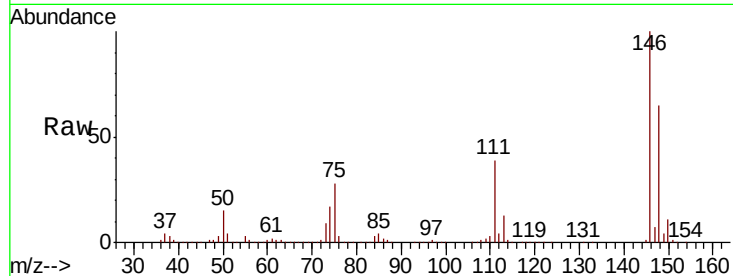
#13
 1,4-Dichlorobenzene
 Concen: 24.874 ng
 RT: 6.69 min Scan# 782
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	53.0	79.4
111	39.4	32.2	48.4

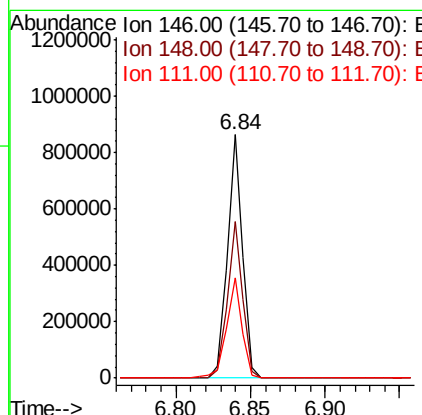
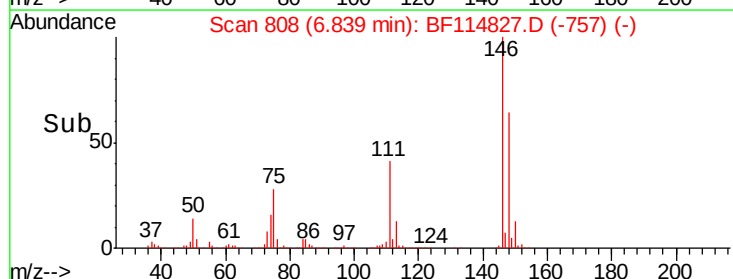
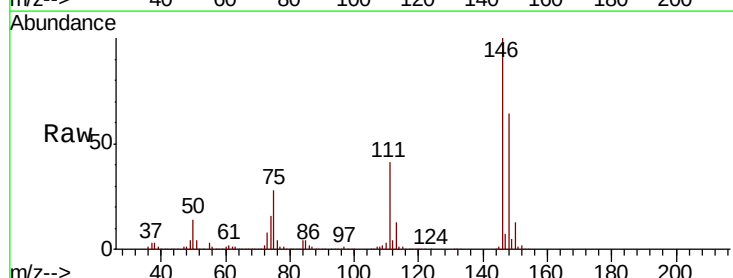
Manual Integrations
 APPROVED

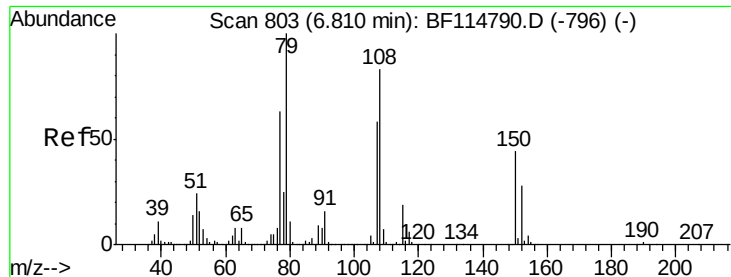
mohammad
 6/6/2019 4:50:10 PM



#14
 1,2-Dichlorobenzene
 Concen: 26.094 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.5	78.7
111	41.2	34.8	52.2





#15

Benzyl Alcohol

Concen: 27.427 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

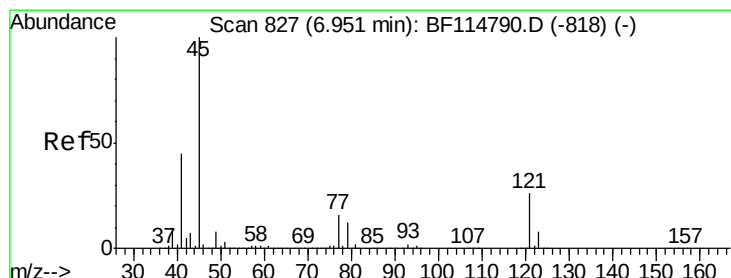
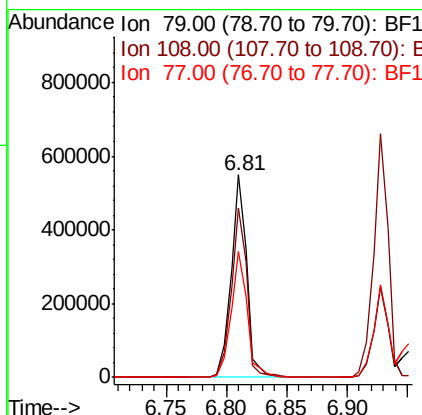
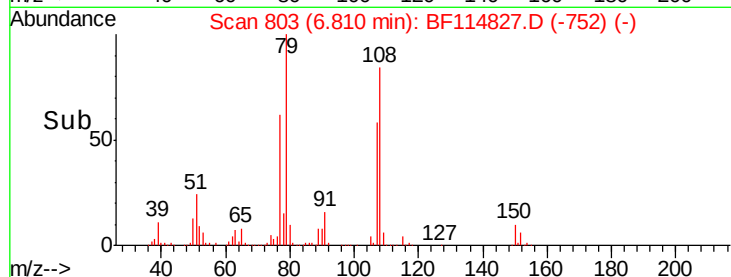
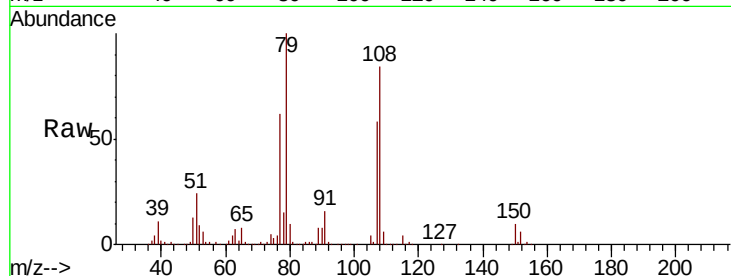
ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:	79	Resp:	491296
Ion	Ratio	Lower	Upper
79	100		
108	83.6	66.8	100.2
77	62.4	50.6	76.0

Manual Integrations
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mohammad
6/6/2019 4:50:10 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 25.860 ng

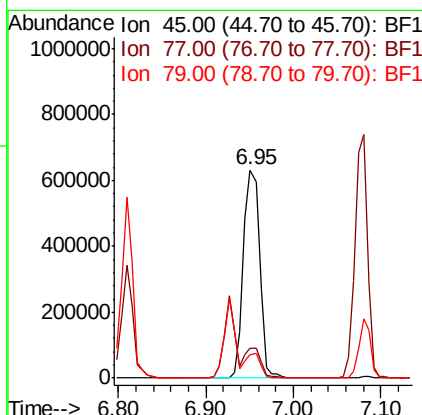
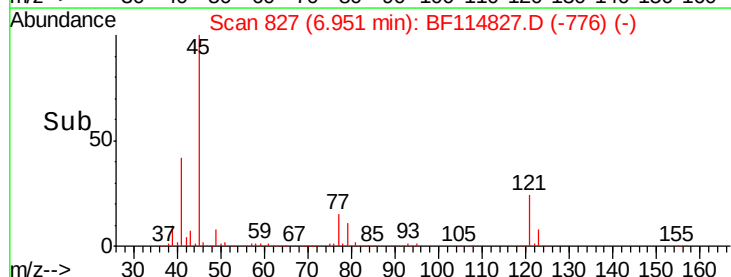
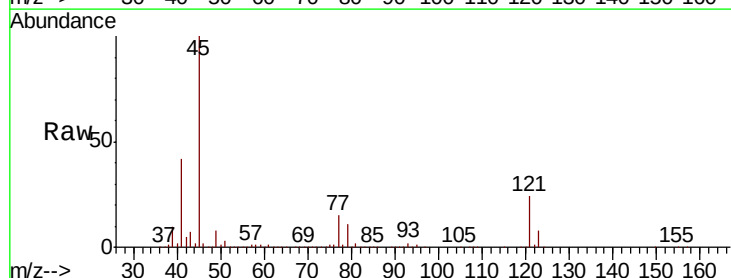
RT: 6.95 min Scan# 827

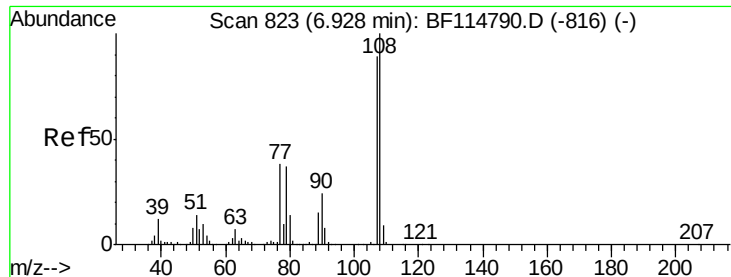
Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tgt Ion:	45	Resp:	781862
Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.8
79	11.1	0.0	32.0





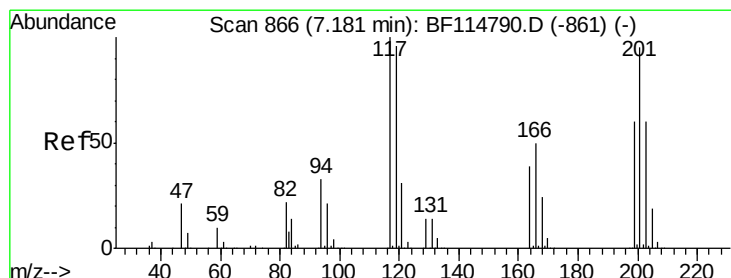
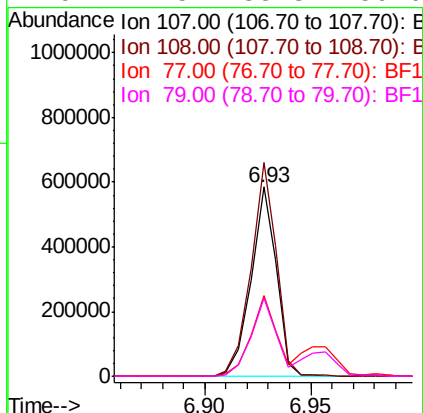
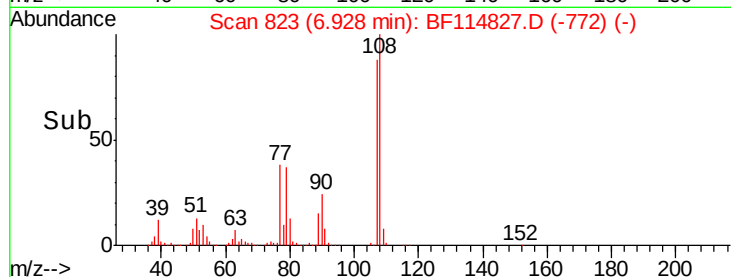
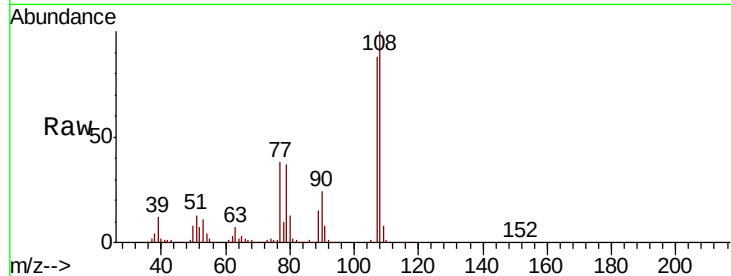
#17
2-Methylphenol
Concen: 25.386 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		488062		
108	113.0	90.2	135.2		
77	42.9	34.5	51.7		
79	41.5	33.8	50.6		

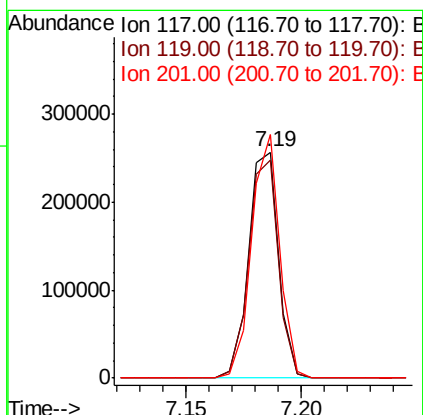
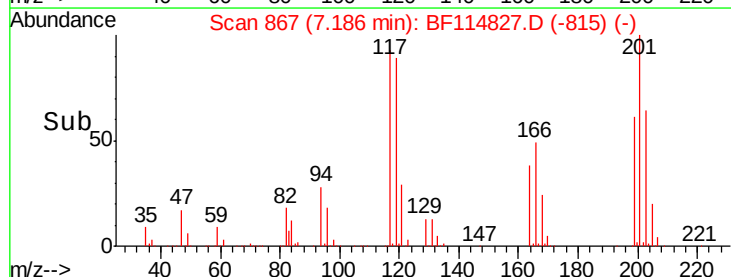
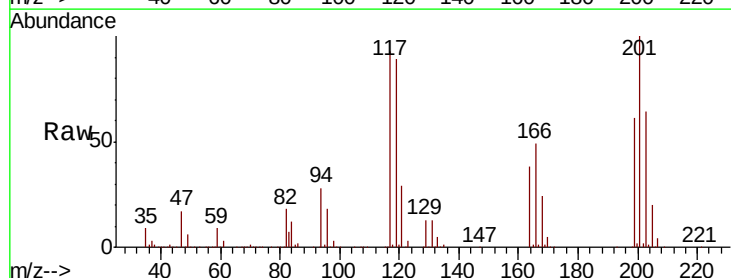
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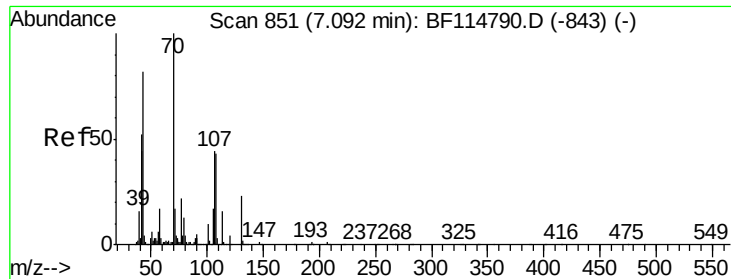
mohammad
6/6/2019 4:50:10 PM



#18
Hexachloroethane
Concen: 23.443 ng
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		232697		
119	96.3	77.0	115.4		
201	107.7	76.0	114.0		





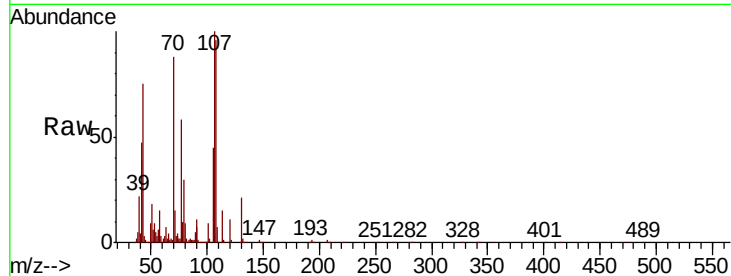
#19
n-Nitroso-di-n-propylamine
Concen: 24.668 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	53.3	41.8	62.8		
101	10.4	8.2	12.4		
130	23.7	18.5	27.7		

Manual Integrations
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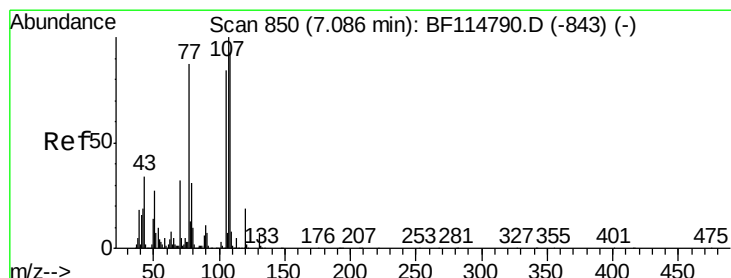
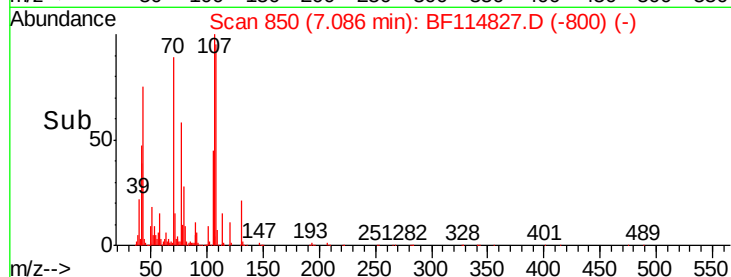
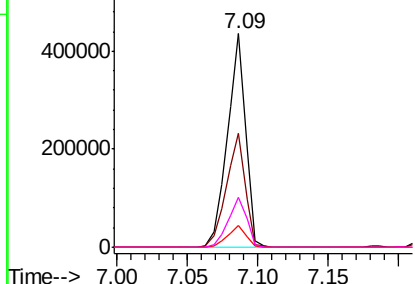
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#20
3+4-Methylphenols
Concen: 28.961 ng
RT: 7.08 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	88.4	73.5	113.5		
77	110.5	67.2	107.2		
79	26.7	10.6	50.6		

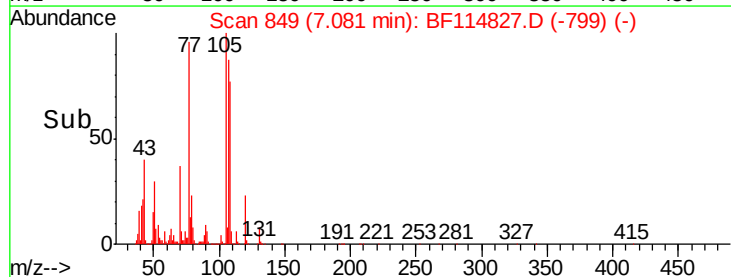
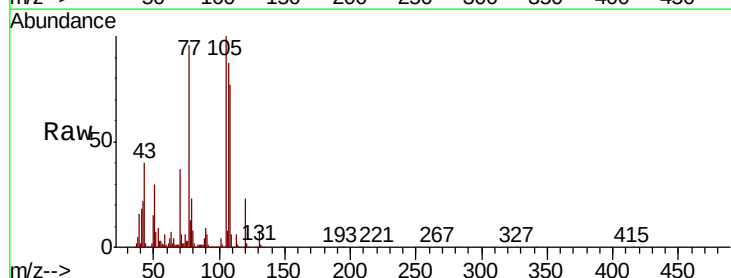
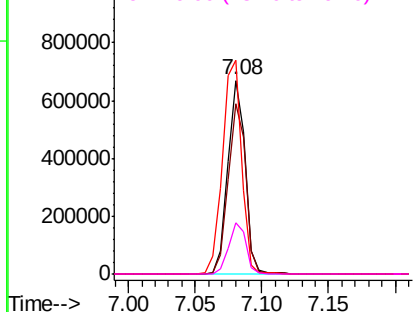
Abundance

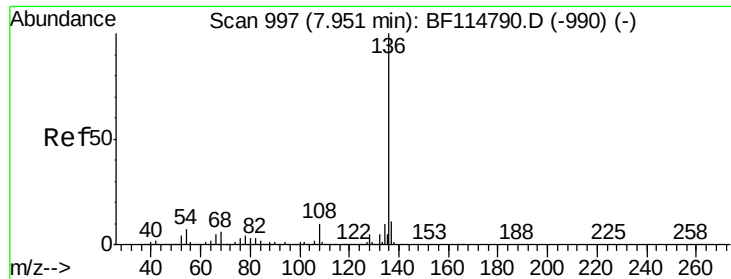
Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





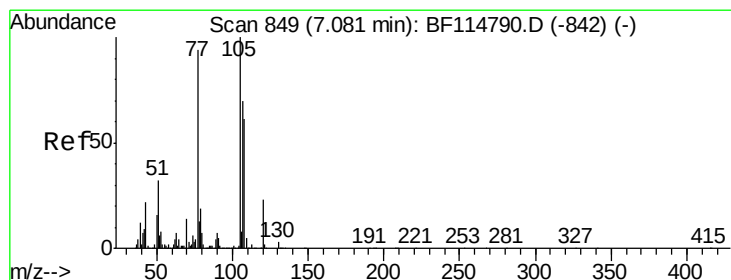
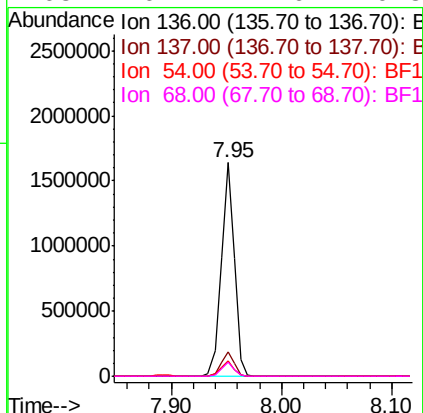
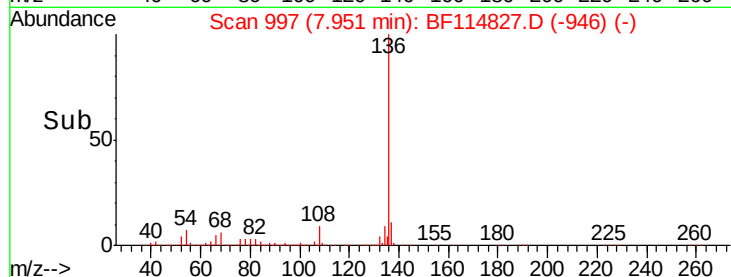
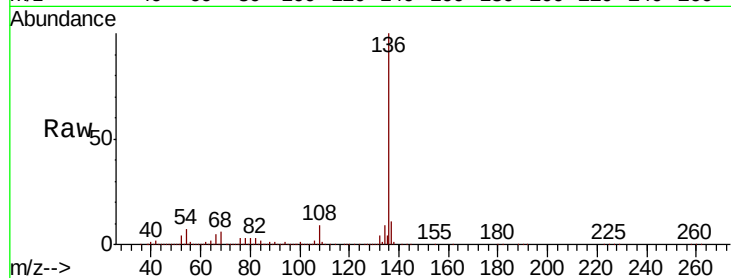
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.0	5.4	8.0
68	6.4	4.6	6.8

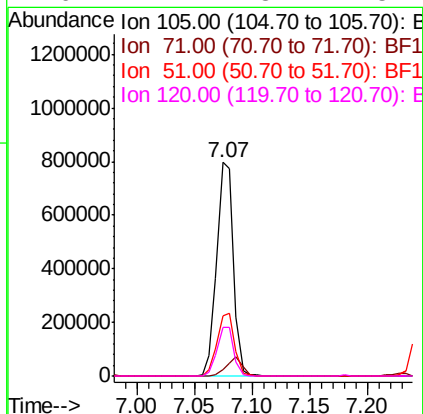
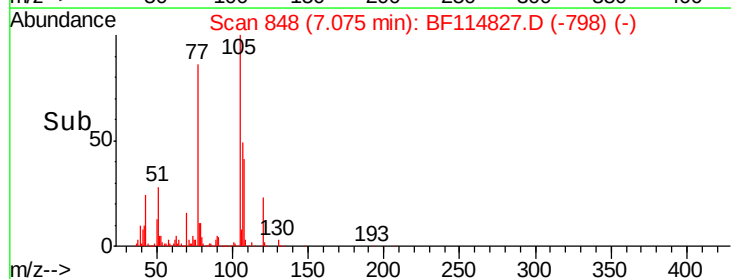
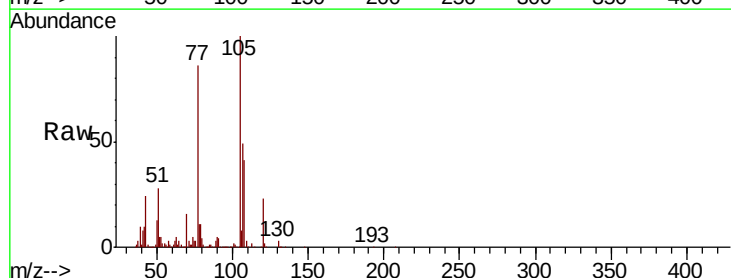
Manual Integrations
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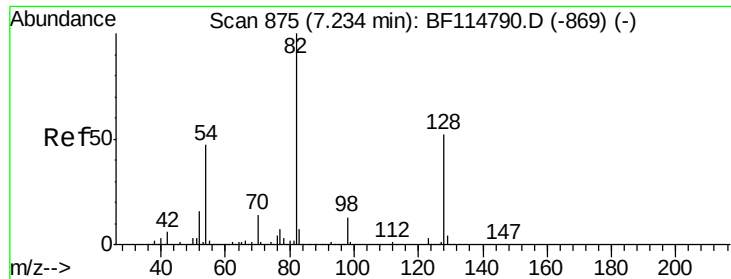
mohammad
6/6/2019 4:50:10 PM



#22
Acetophenone
Concen: 26.953 ng
RT: 7.07 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
105	100		
71	2.9	2.0	3.0
51	28.4	25.4	38.0
120	22.7	18.7	28.1





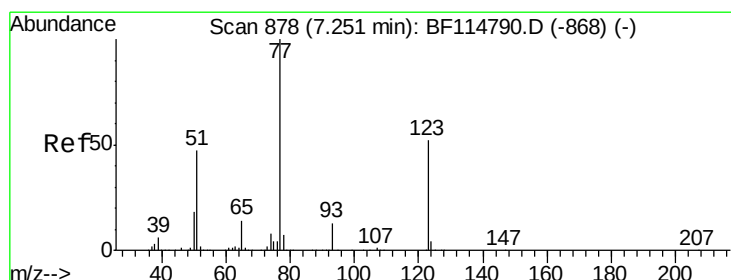
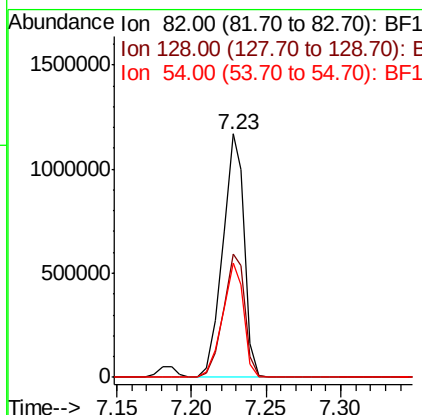
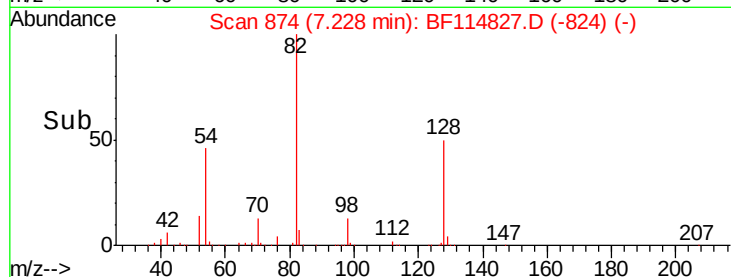
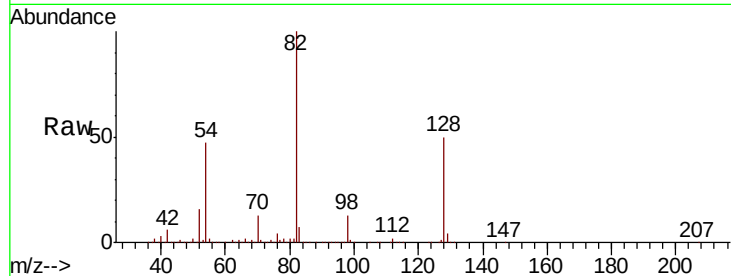
#23
Nitrobenzene-d5
Concen: 54.221 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion: 82 Resp: 1189075
Ion Ratio Lower Upper
82 100
128 50.4 41.8 62.6
54 47.0 37.9 56.9

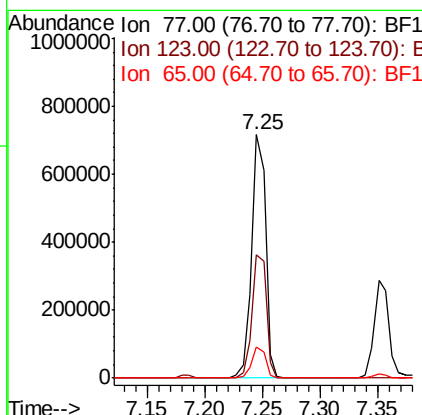
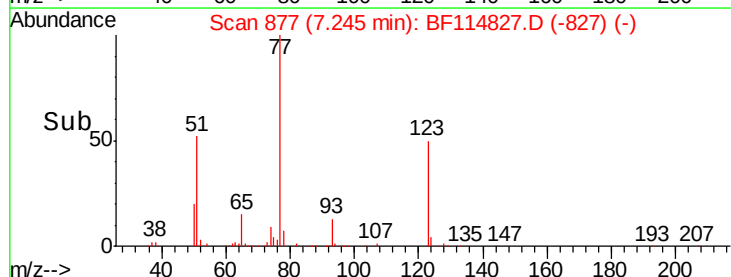
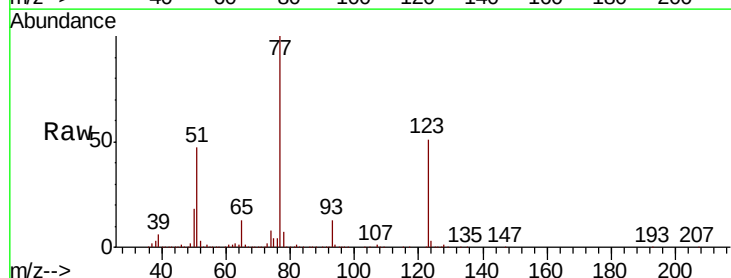
Manual Integrations
APPROVED

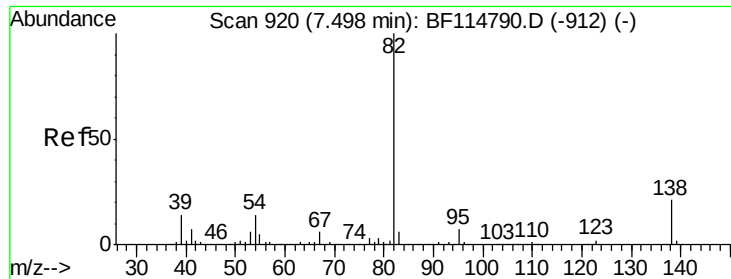
mohammad
6/6/2019 4:50:10 PM



#24
Nitrobenzene
Concen: 26.416 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion: 77 Resp: 600141
Ion Ratio Lower Upper
77 100
123 50.6 41.5 62.3
65 12.9 10.8 16.2





#25

Isophorone

Concen: 26.205 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

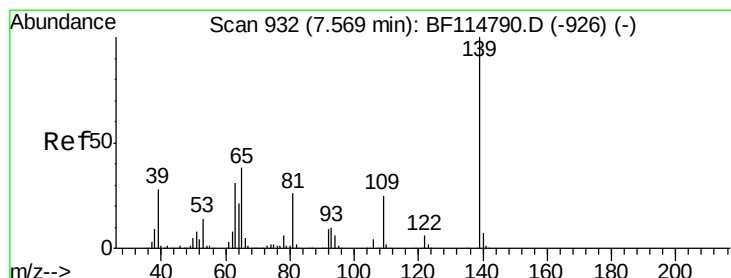
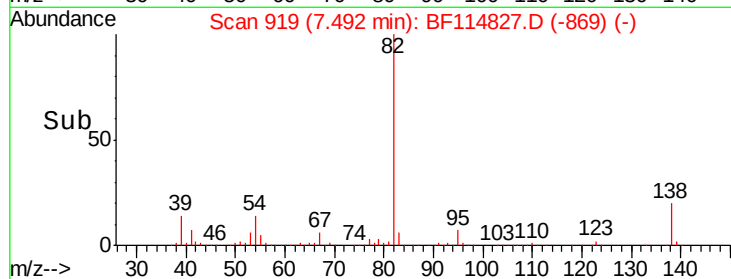
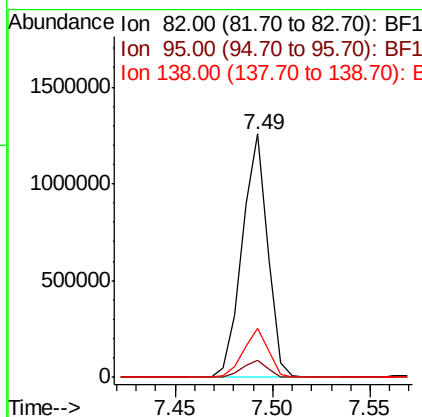
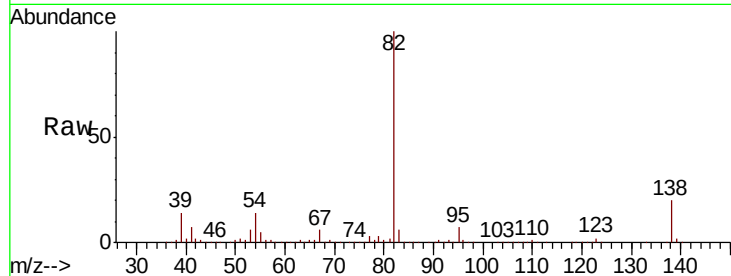
ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:	82	Resp:	1136112
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	20.0	16.9	25.3

Manual Integrations
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mohammad
6/6/2019 4:50:10 PM



#26

2-Nitrophenol

Concen: 27.284 ng

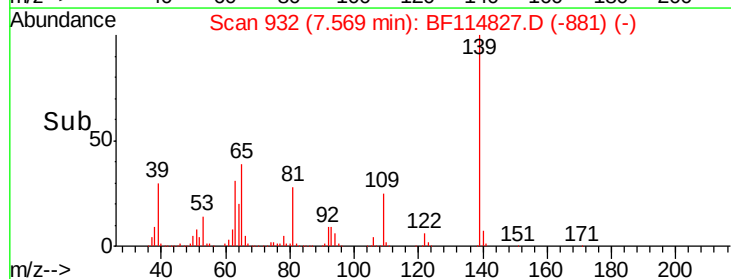
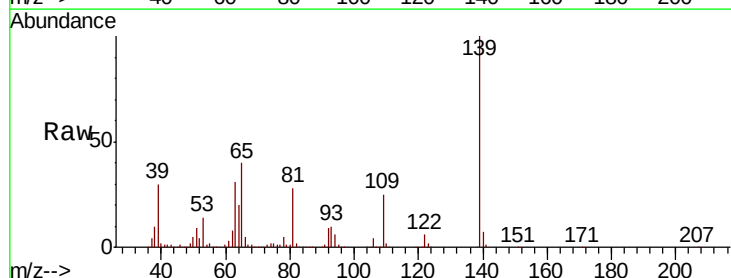
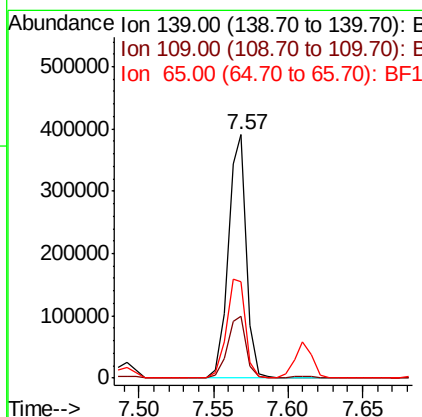
RT: 7.57 min Scan# 932

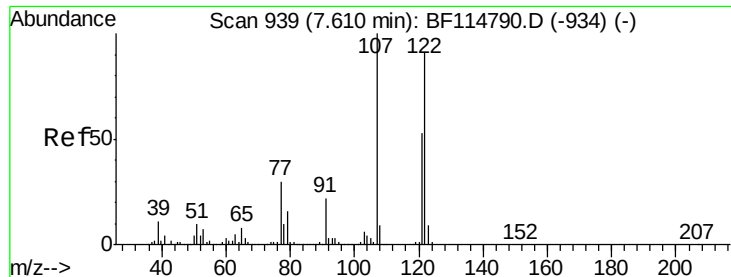
Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tgt Ion:	139	Resp:	335725
Ion	Ratio	Lower	Upper
139	100		
109	25.3	20.4	30.6
65	39.6	30.5	45.7





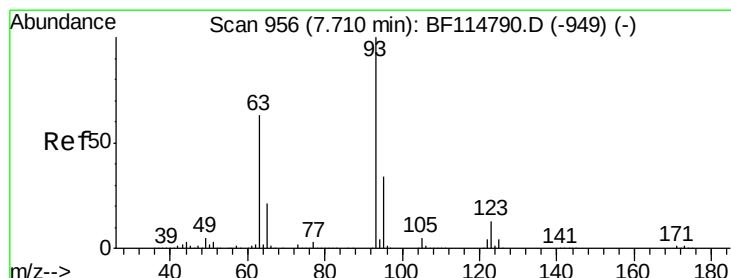
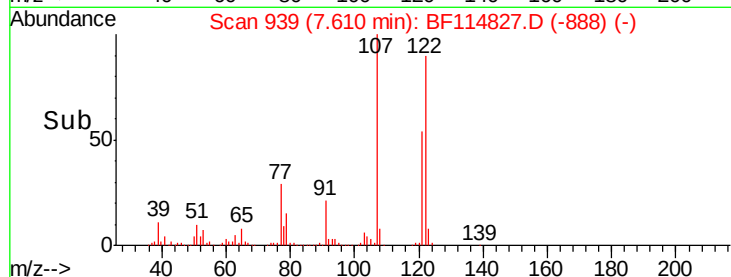
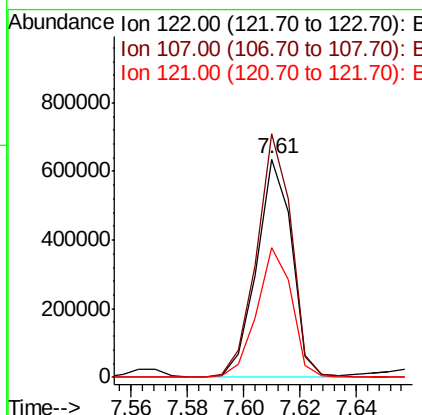
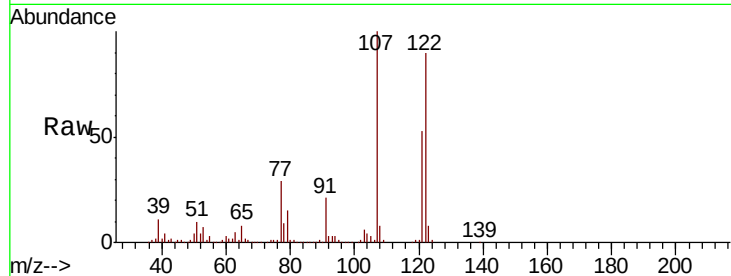
#27
2,4-Dimethylphenol
Concen: 29.520 ng
RT: 7.61 min Scan# 939
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	552087		
107	111.5	87.9	131.9	
121	59.7	46.4	69.6	

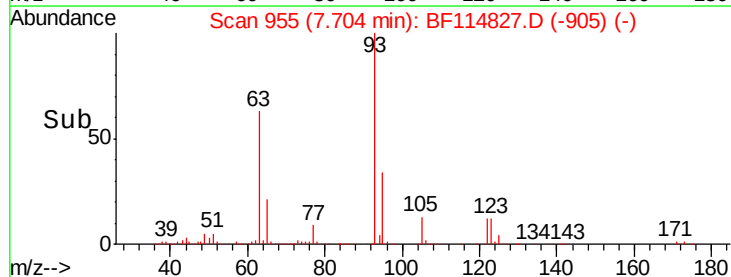
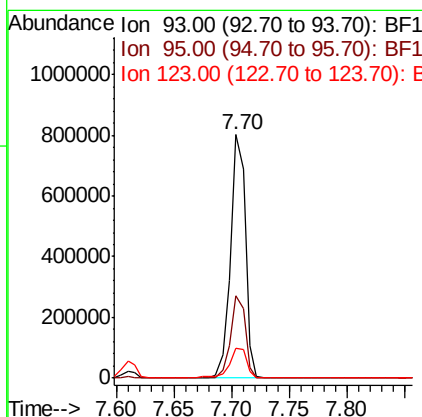
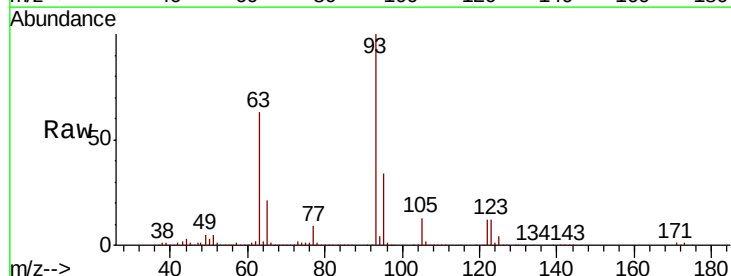
Manual Integrations
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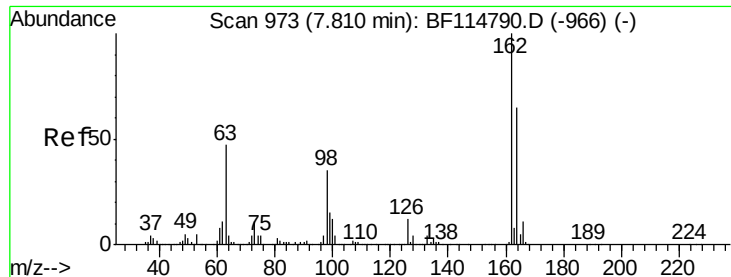
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 25.660 ng
RT: 7.70 min Scan# 955
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	711122		
95	33.6	26.9	40.3	
123	12.4	10.4	15.6	





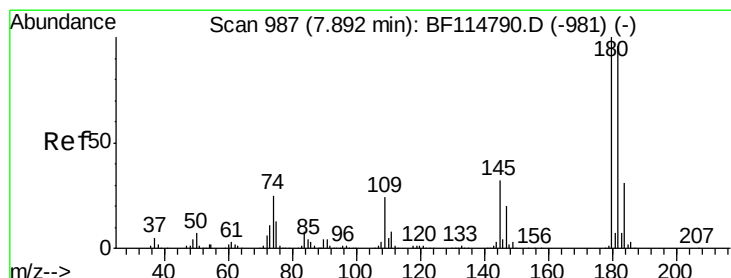
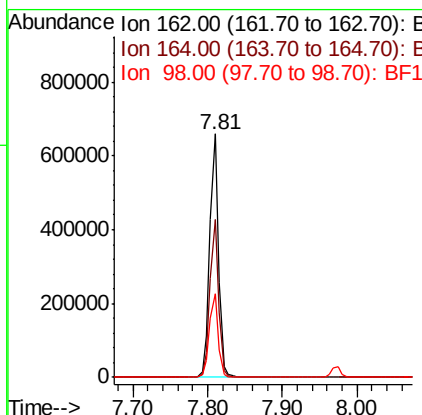
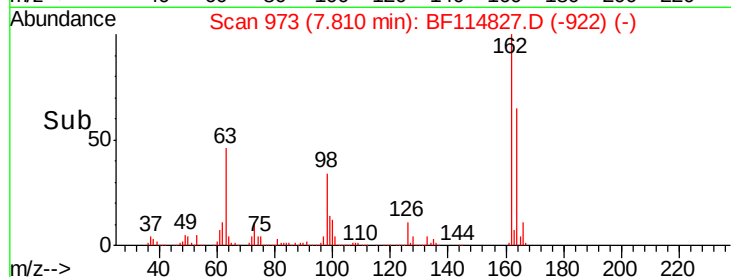
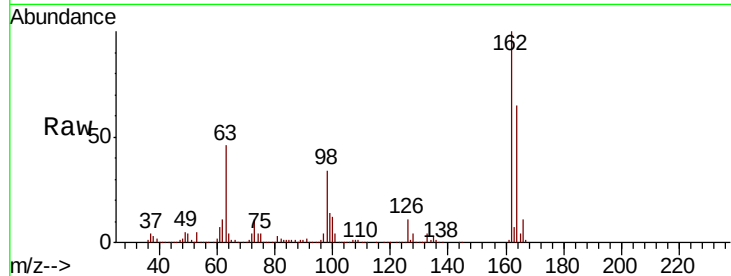
#29
2,4-Dichlorophenol
Concen: 27.472 ng
RT: 7.81 min Scan# 973
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	540550		
164	64.8	45.1	85.1	
98	34.2	14.6	54.6	

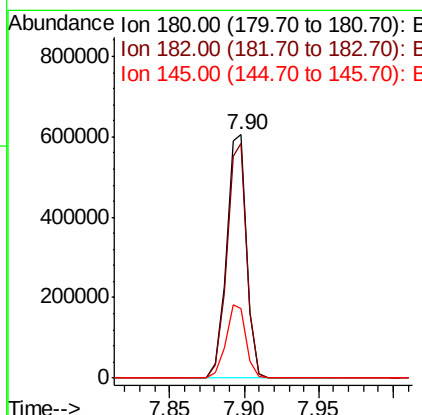
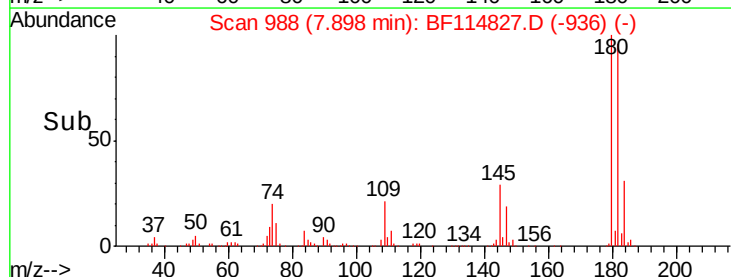
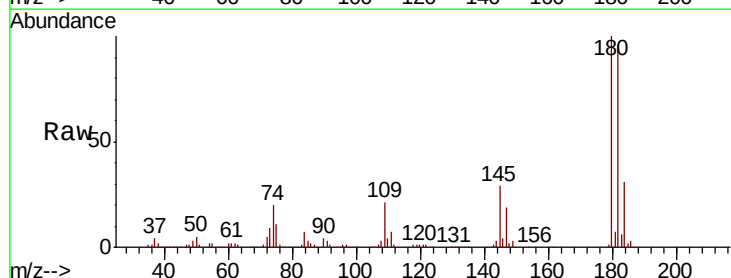
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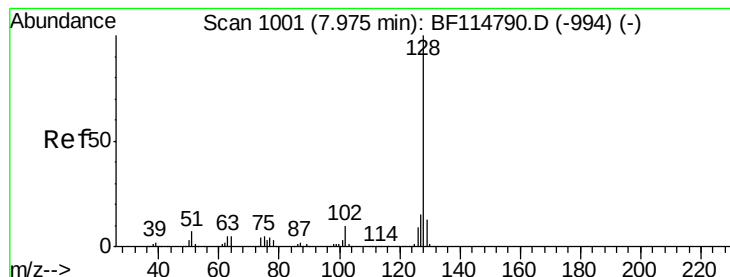
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#30
1,2,4-Trichlorobenzene
Concen: 25.591 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	577764		
182	96.4	76.5	114.7	
145	28.7	25.8	38.8	





#31

Naphthalene

Concen: 28.753 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:128 Resp: 1747471

Ion Ratio Lower Upper

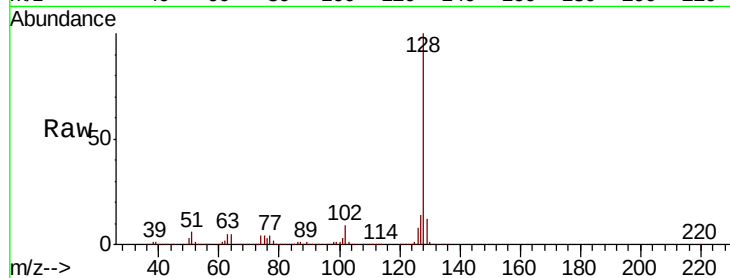
128 100

129 11.6 10.0 15.0

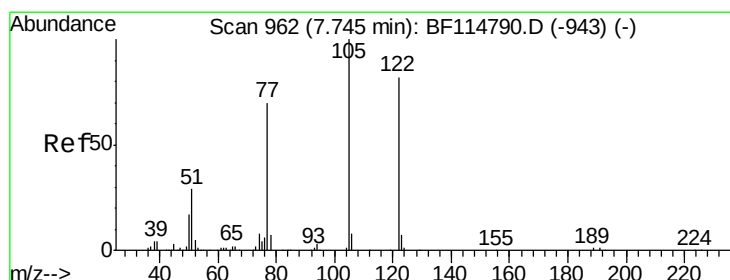
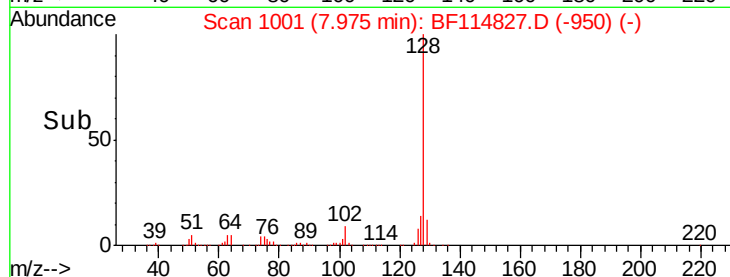
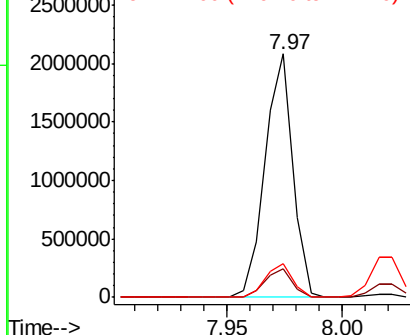
127 14.1 12.2 18.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 20.635 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.04 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

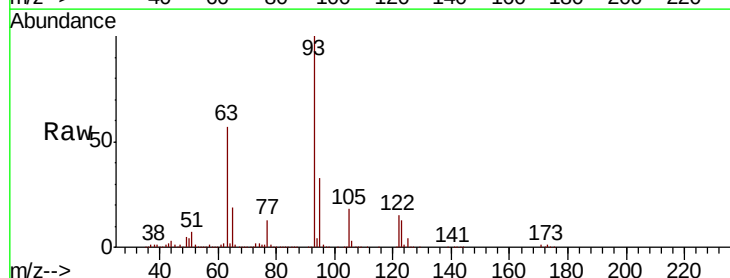
Tgt Ion:122 Resp: 281073

Ion Ratio Lower Upper

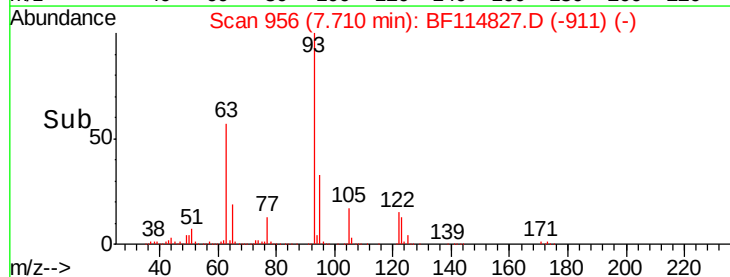
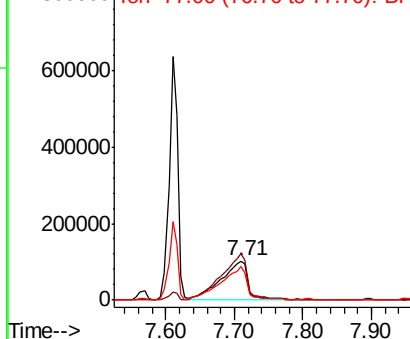
122 100

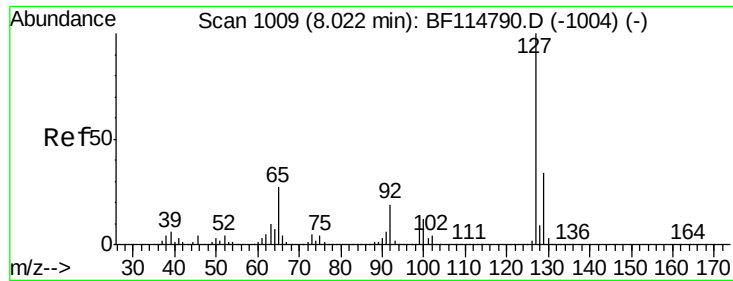
105 117.6 98.7 138.7

77 86.3 64.8 104.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





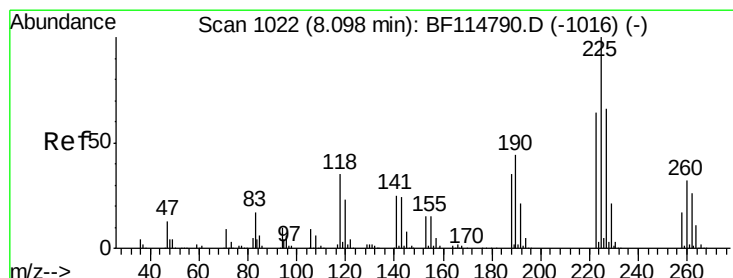
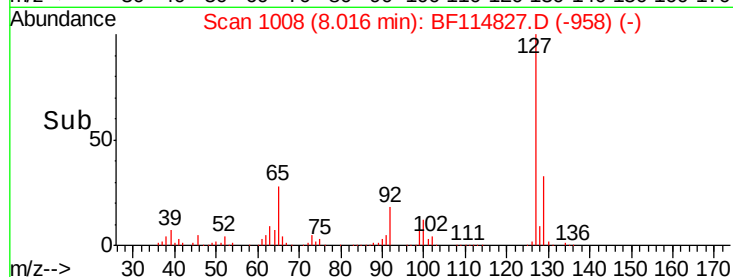
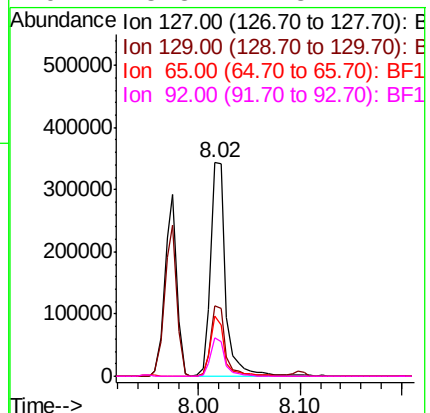
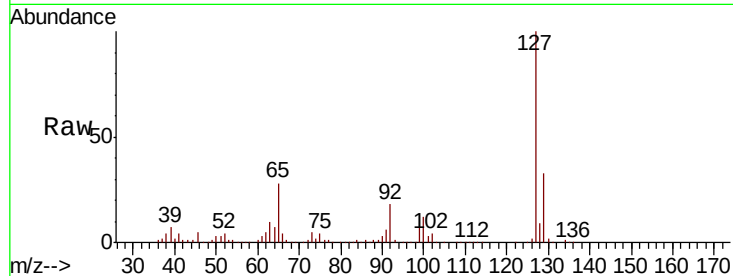
#33
4-Chloroaniline
Concen: 12.222 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.9	40.3
65	28.1	21.7	32.5
92	18.3	14.8	22.2

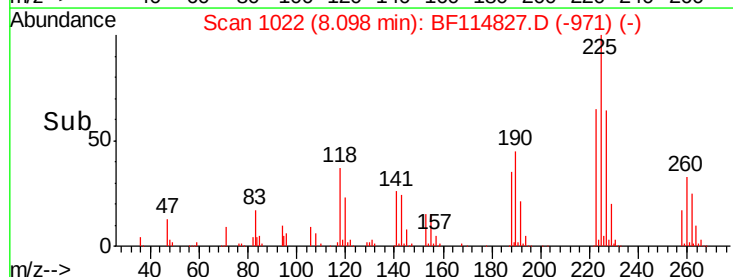
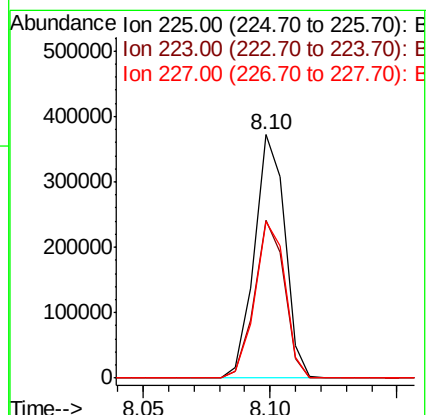
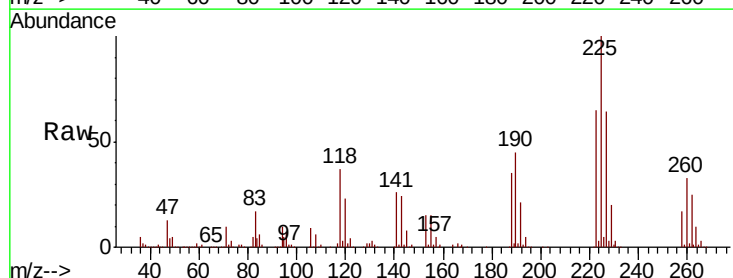
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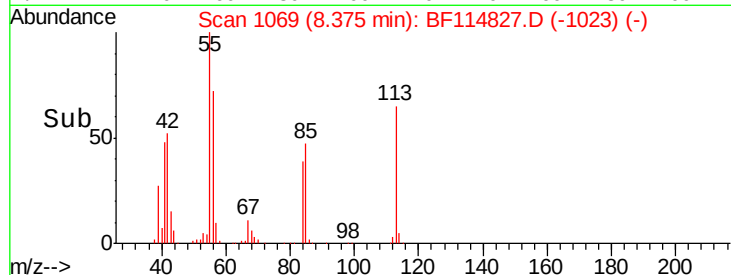
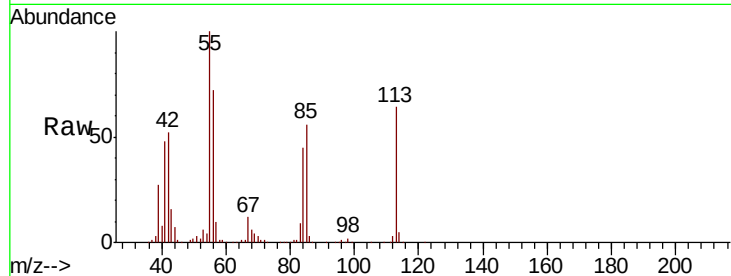
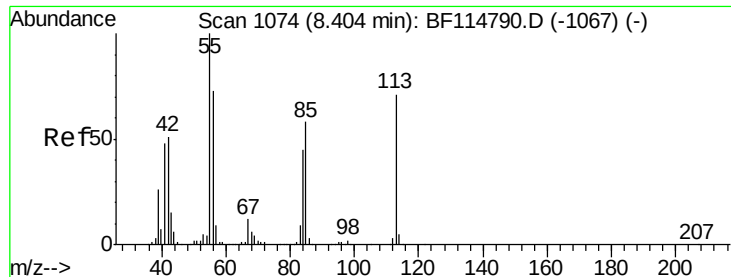
mohammad
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#34
Hexachlorobutadiene
Concen: 24.363 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	51.0	76.6
227	64.2	52.6	78.8





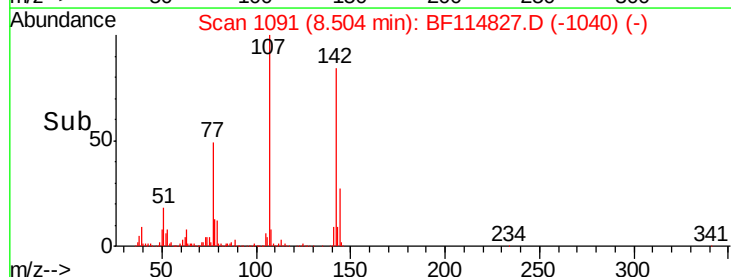
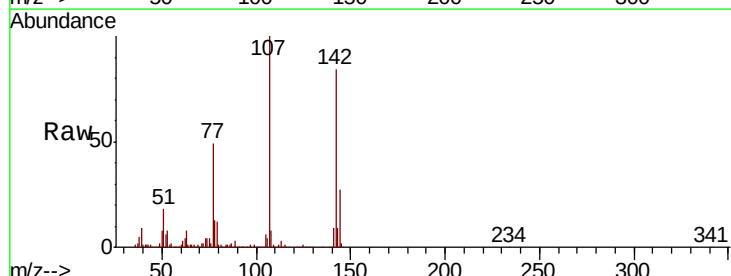
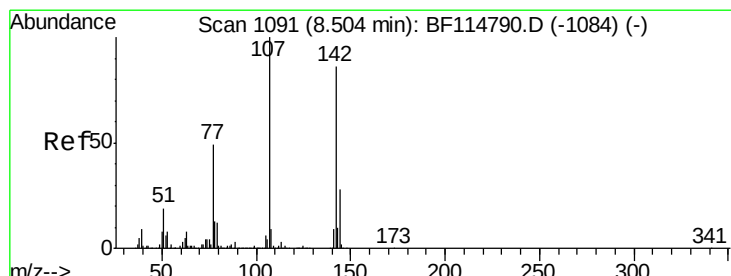
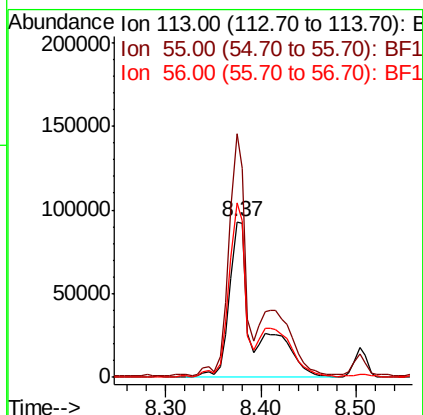
#35
Caprolactam
Concen: 27.960 ng/ml
RT: 8.37 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	156.2	121.1	161.1		
56	112.0	82.6	122.6		

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

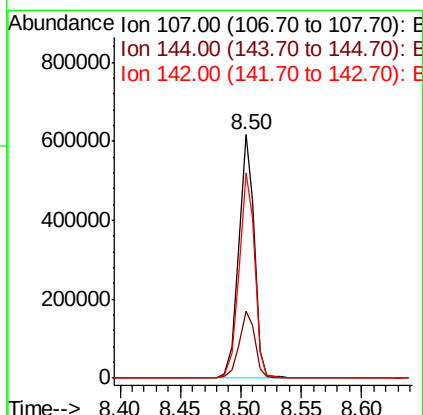
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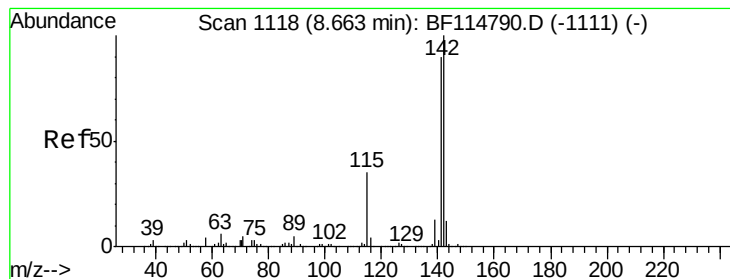
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#36
4-Chloro-3-methylphenol
Concen: 28.303 ng/ml
RT: 8.50 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	27.3	22.1	33.1		
142	84.3	68.4	102.6		





#37

2-Methylnaphthalene

Concen: 28.474 ng

RT: 8.66 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:142 Resp: 1200335

Ion Ratio Lower Upper

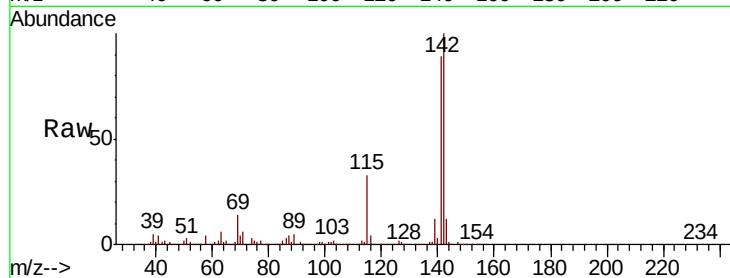
142 100

141 89.4 71.6 107.4

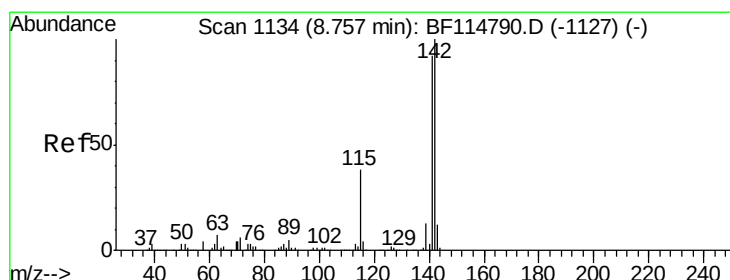
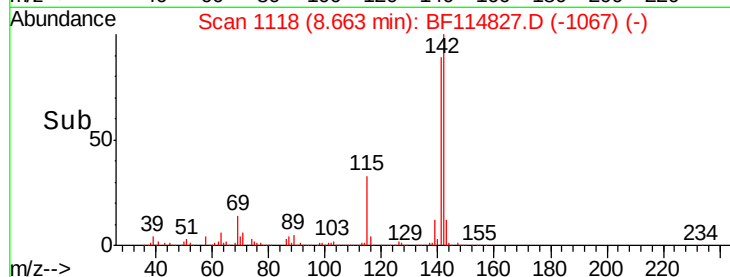
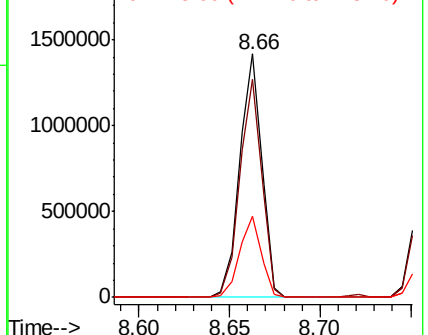
115 33.4 28.2 42.4

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 28.875 ng

RT: 8.76 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

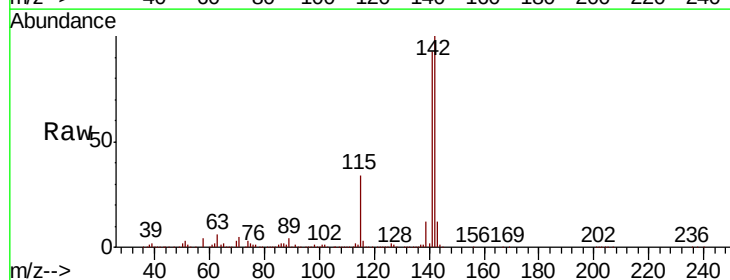
Tgt Ion:142 Resp: 1154357

Ion Ratio Lower Upper

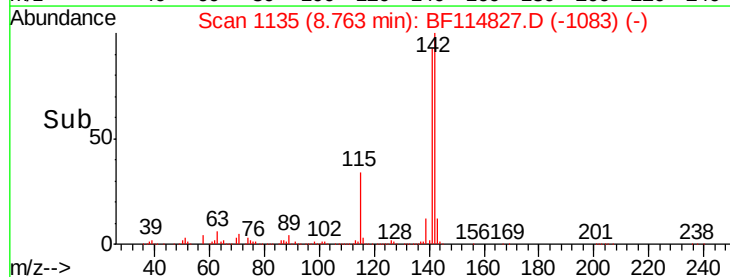
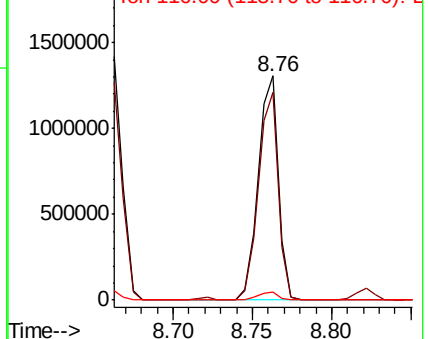
142 100

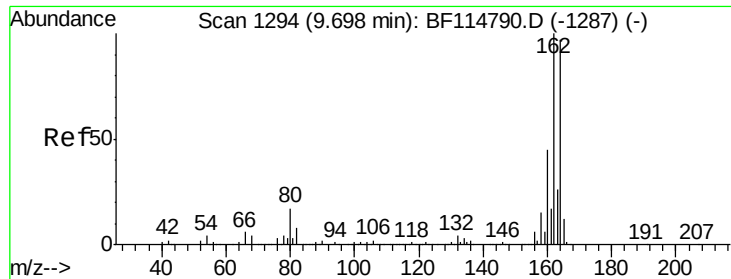
141 92.8 73.8 110.6

116 3.5 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





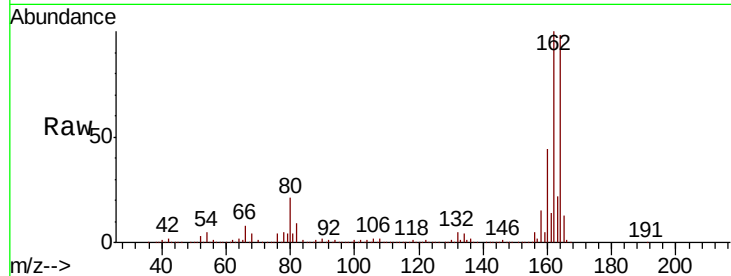
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.3	123.5
160	44.6	36.7	55.1

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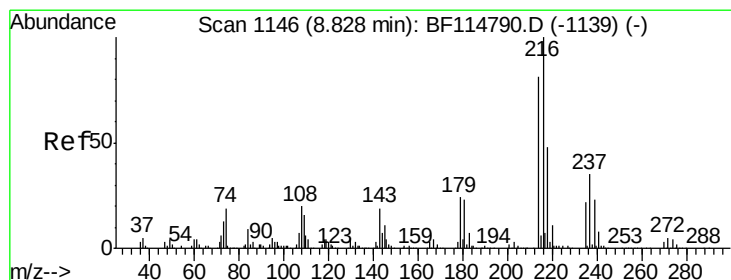
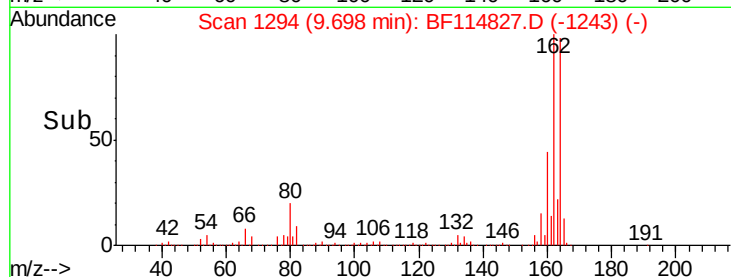
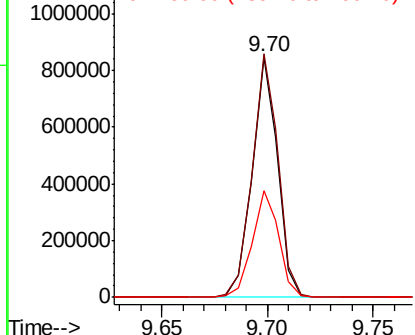


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 26.143 ng
RT: 8.83 min Scan# 1147
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.5	63.4	95.2
179	22.5	18.3	27.5
108	20.0	15.5	23.3

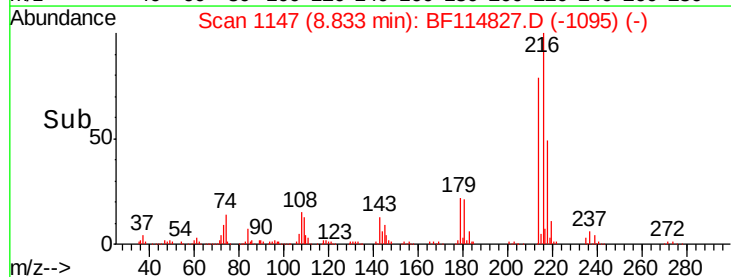
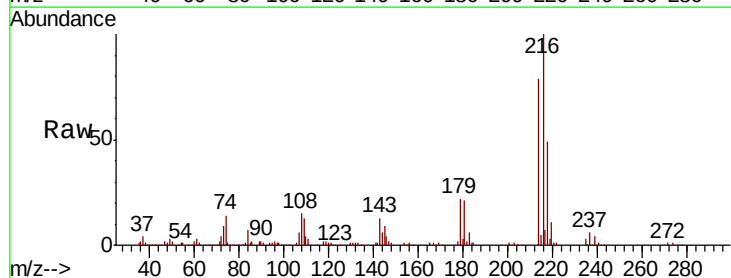
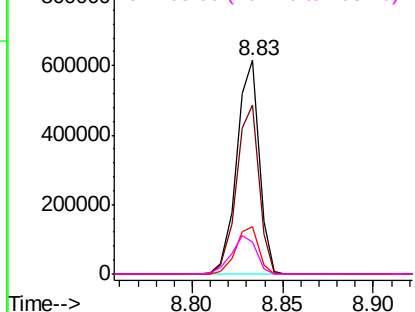
Abundance

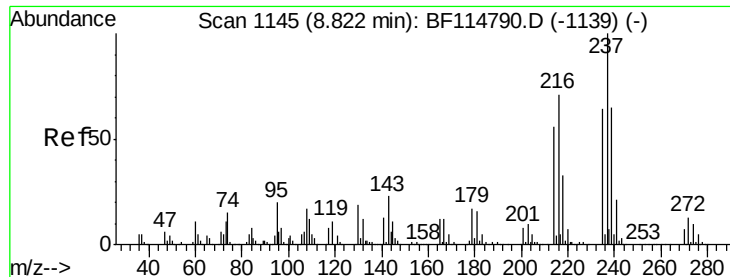
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 32.937 ng

RT: 8.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

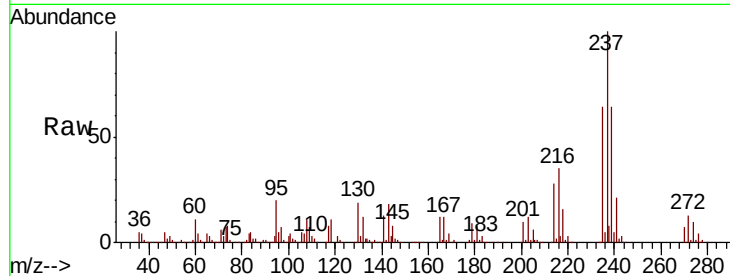
ClientSampleId :

FK-EF-01-011-ABCDMSD

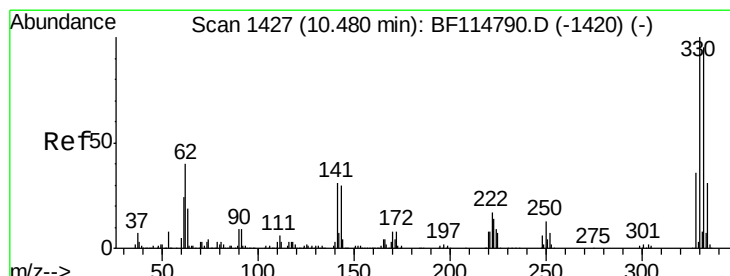
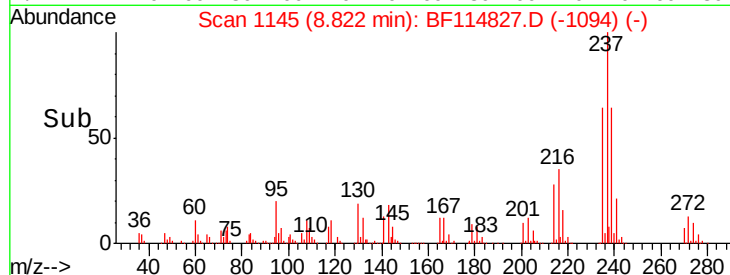
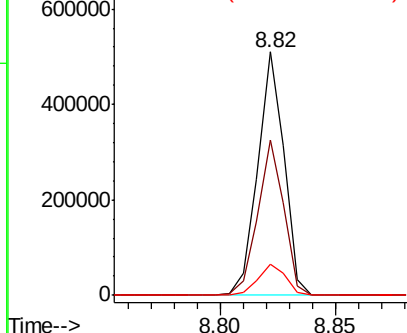
Tot Ion:	237	Resp:	406893
Ion Ratio	Lower	Upper	
237	100		
235	63.6	44.0	84.0
272	12.9	0.0	33.4

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 82.703 ng

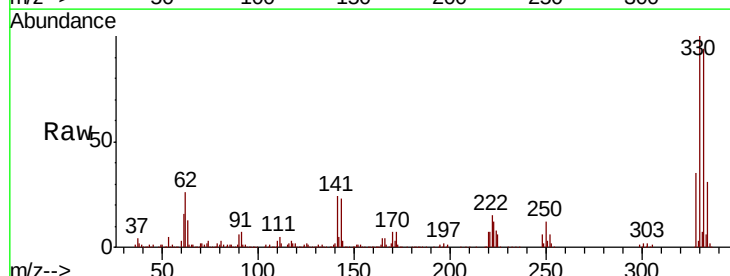
RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

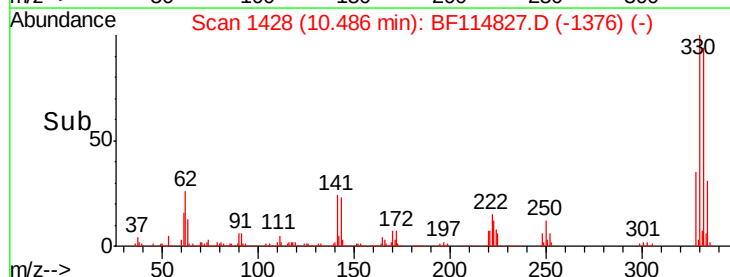
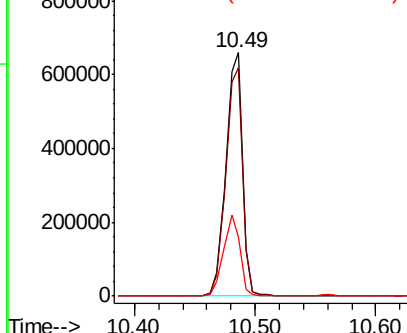
Lab File: BF114827.D

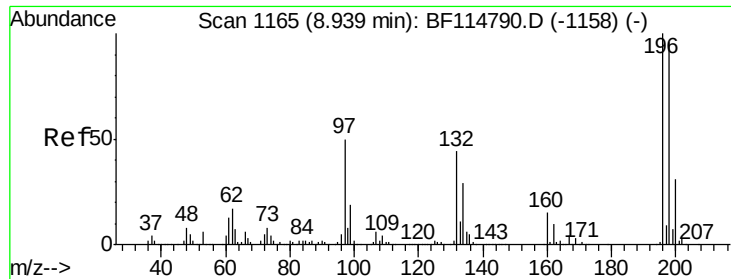
Acq: 5 Jun 2019 19:27

Tgt Ion:	330	Resp:	629939
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.3	115.9
141	33.2	26.2	39.4



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





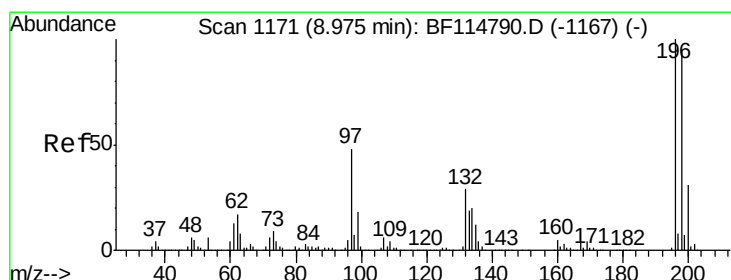
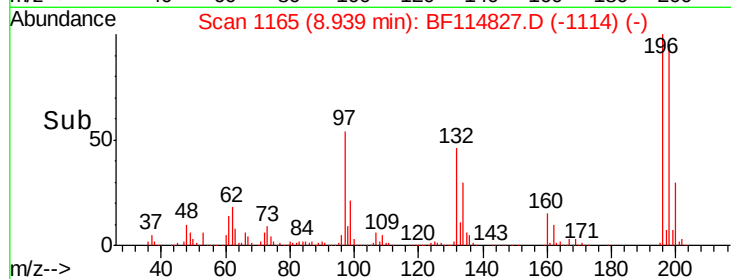
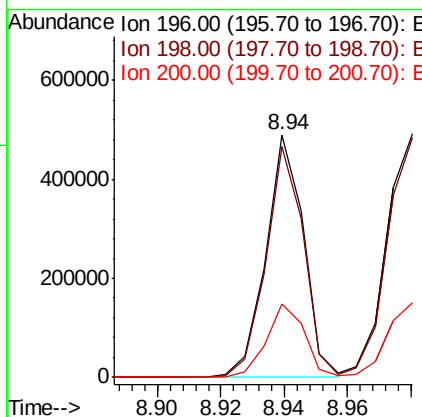
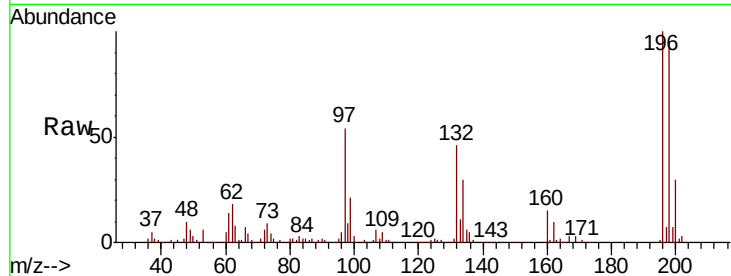
#43
 2,4,6-Trichlorophenol
 Concen: 25.589 ng
 RT: 8.94 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	405290		
198	95.1	77.1	115.7	
200	30.2	24.6	36.8	

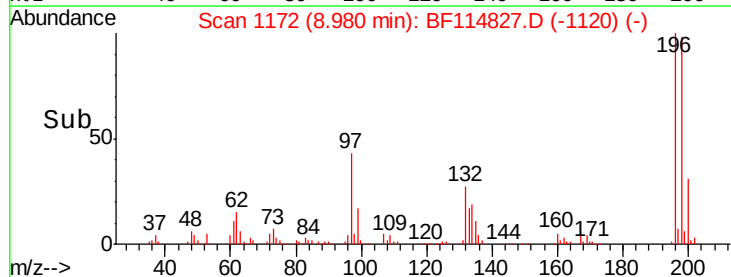
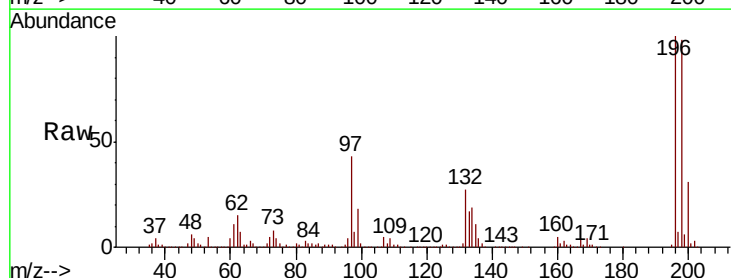
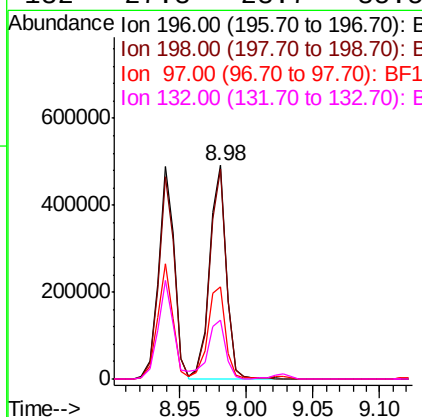
Manual Integrations
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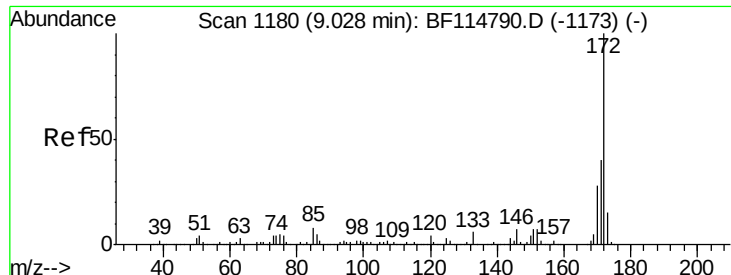
mohammad
 6/6/2019 4:50:10 PM



#44
 2,4,5-Trichlorophenol
 Concen: 27.098 ng
 RT: 8.98 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	432237		
198	98.5	76.2	114.4	
97	43.4	38.2	57.4	
132	27.3	23.7	35.5	





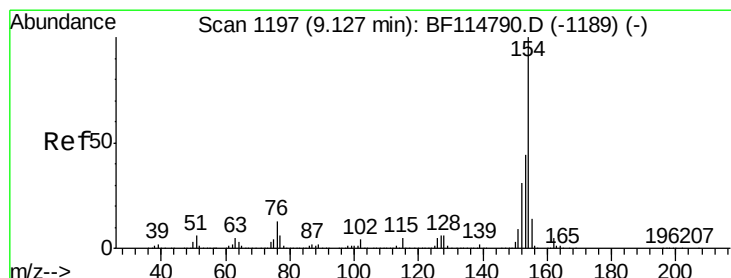
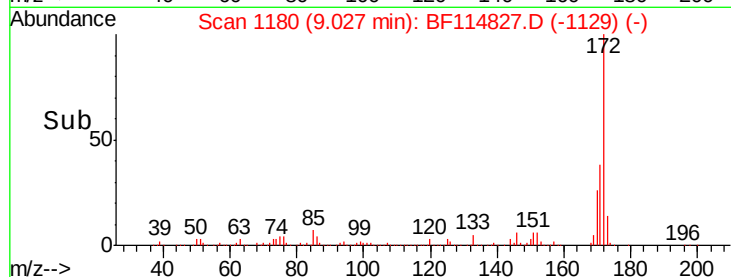
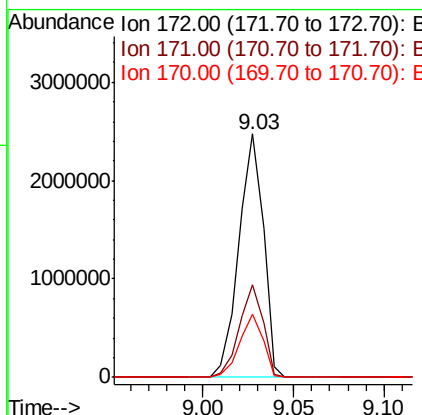
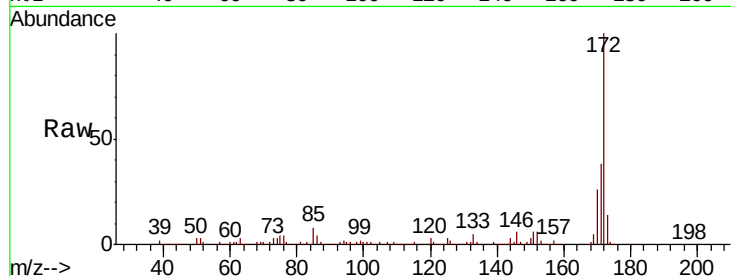
#45
2-Fluorobiphenyl
Concen: 61.801 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.1	32.3	48.5
170	26.1	22.4	33.6

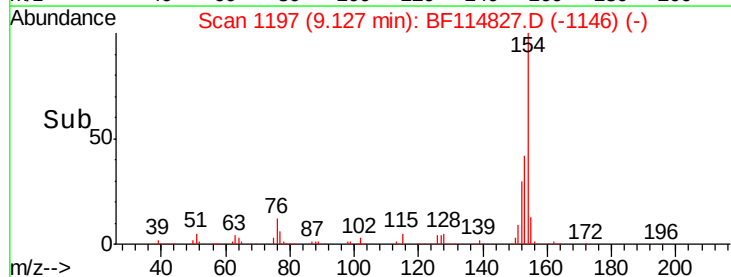
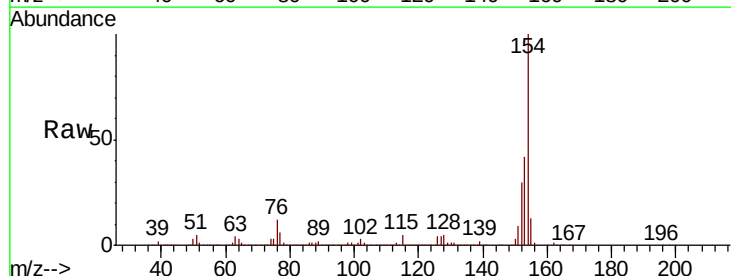
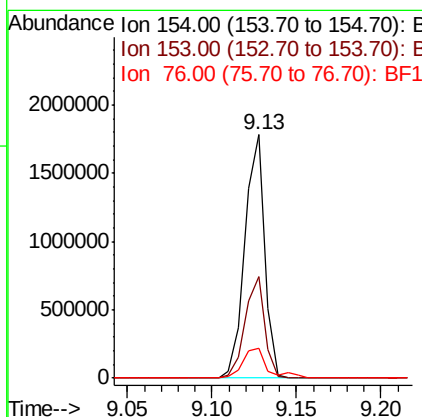
Manual Integrations
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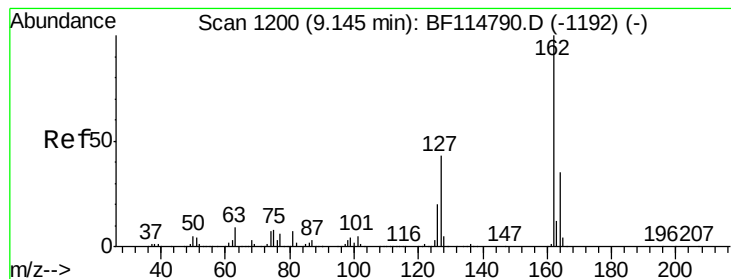
mohammad
6/6/2019 4:50:10 PM



#46
1,1'-Biphenyl
Concen: 27.904 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.6	23.9	63.9
76	12.2	0.0	33.2





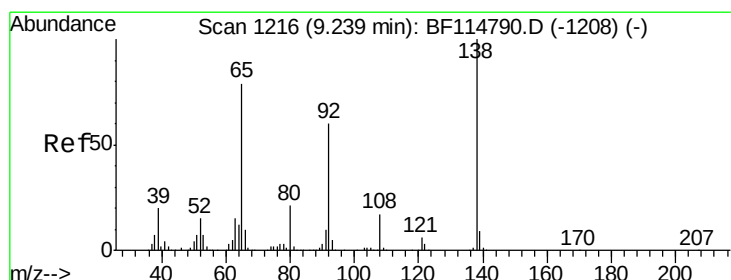
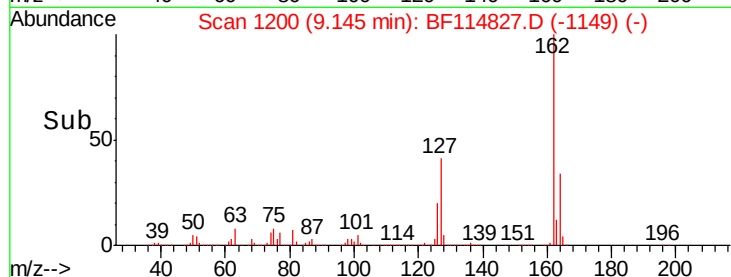
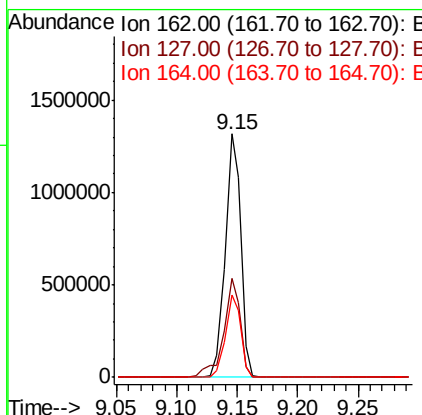
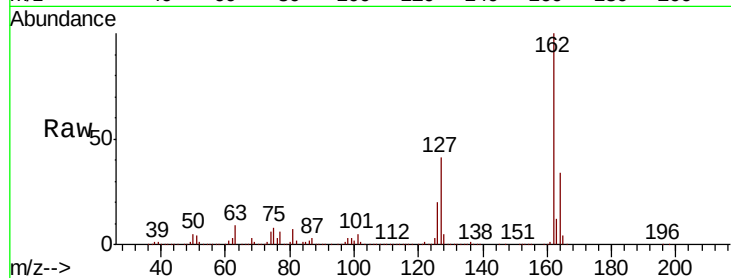
#47
 2-Chloronaphthalene
 Concen: 26.213 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.8	34.6	51.8
164	33.9	27.8	41.8

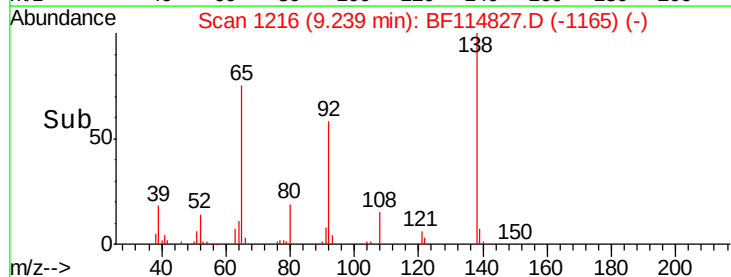
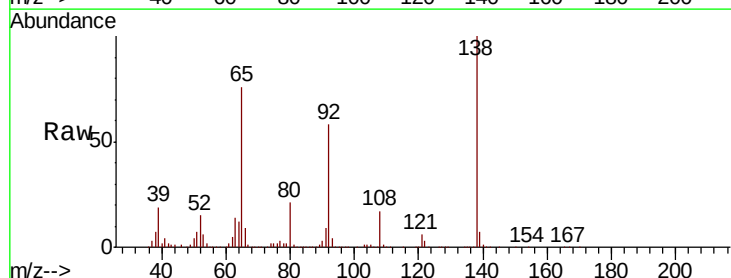
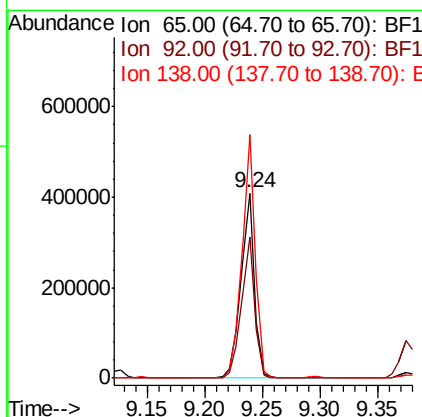
Manual Integrations
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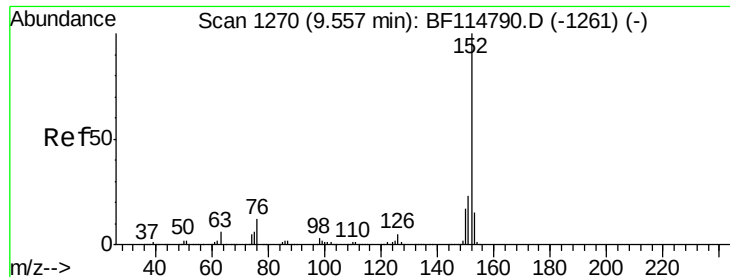
mohammad
 6/6/2019 4:50:10 PM



#48
 2-Nitroaniline
 Concen: 25.226 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	76.3	60.4	90.6
138	131.7	101.2	151.8





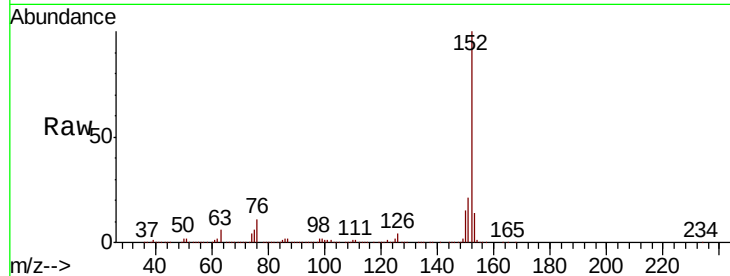
#49
Acenaphthylene
Concen: 28.193 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.3	18.3	27.5
153	14.4	12.3	18.5

Manual Integrations
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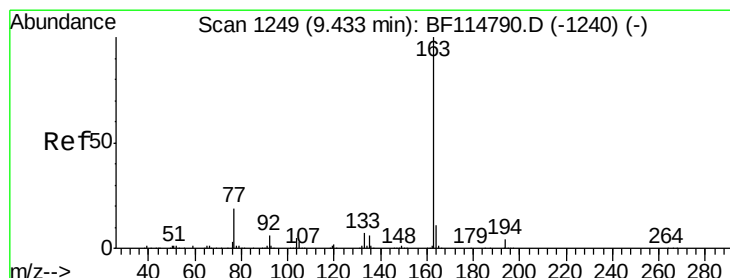
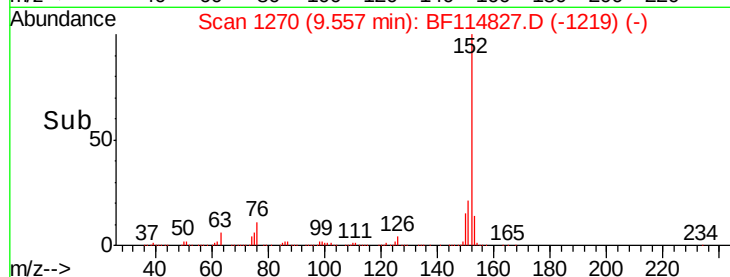
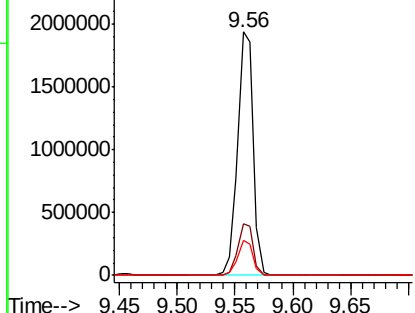


Abundance

Ion 152.00 (151.70 to 152.70): E

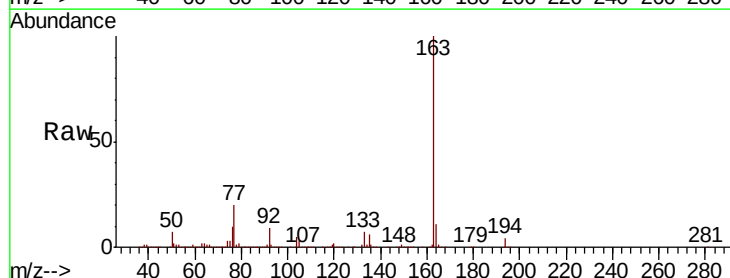
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 34.325 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	10.9	8.6	13.0

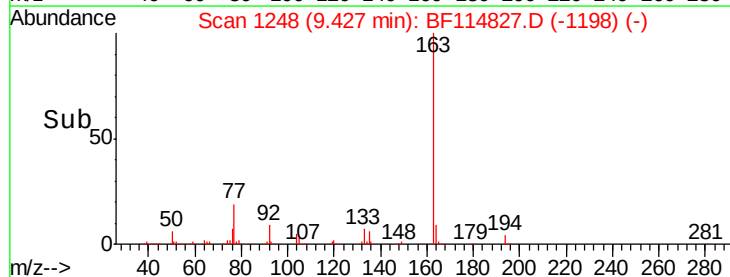
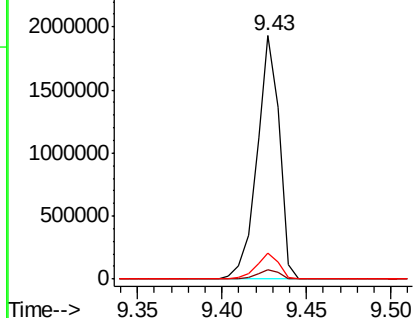


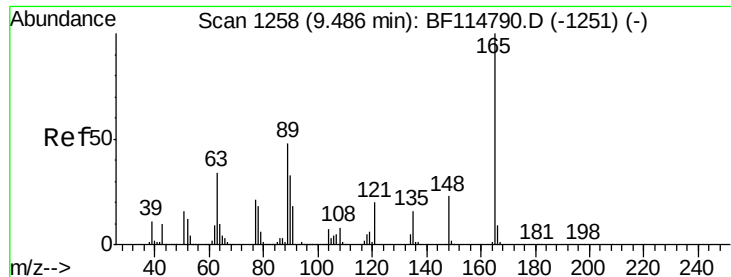
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





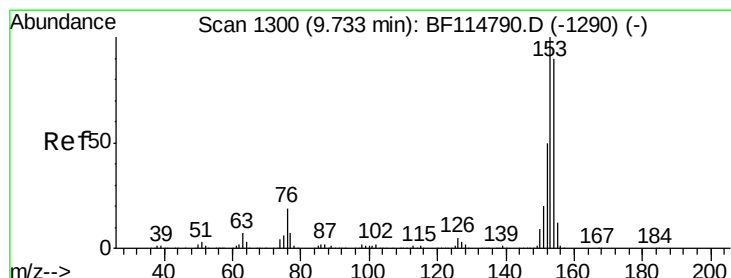
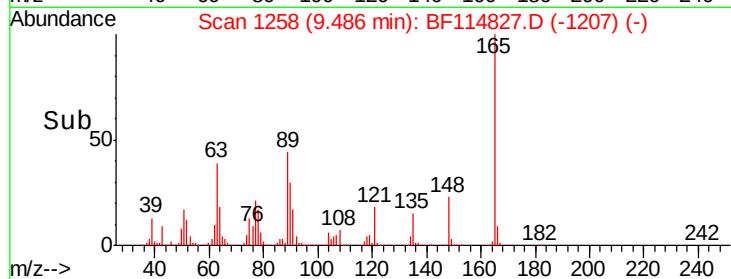
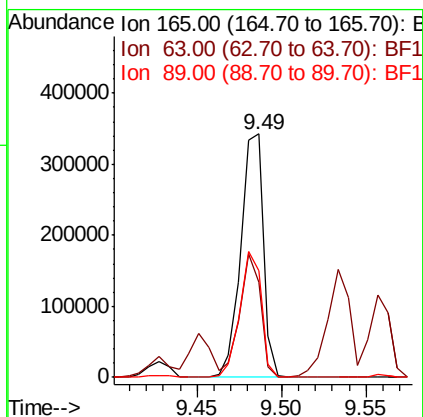
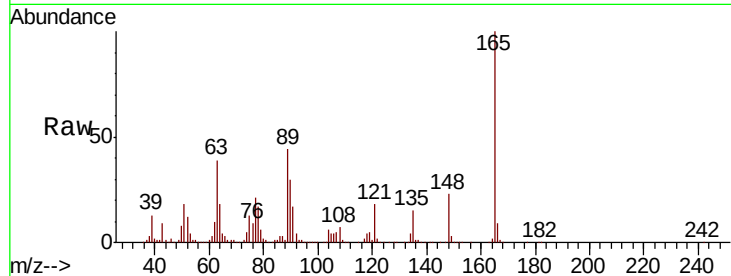
#51
 2,6-Dinitrotoluene
 Concen: 26.368 ng
 RT: 9.49 min Scan# 1258
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	320118		
63	39.1		35.1	52.7
89	43.8		38.2	57.2

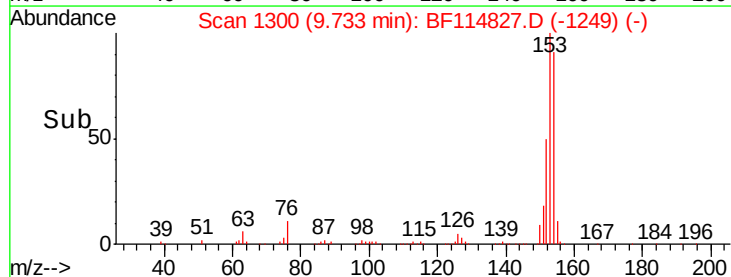
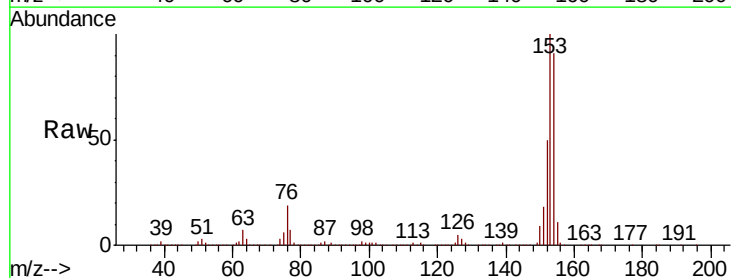
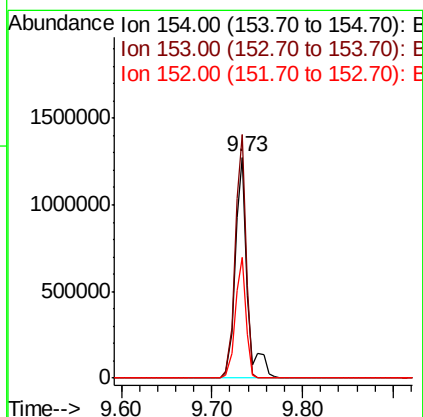
Manual Integrations
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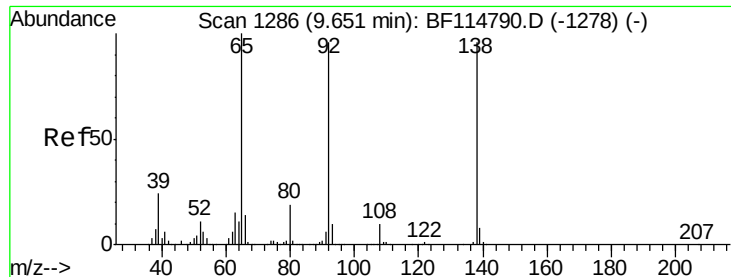
mohammad
 6/6/2019 4:50:10 PM



#52
 Acenaphthene
 Concen: 28.310 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1197103		
153	110.1		88.5	132.7
152	54.7		44.1	66.1





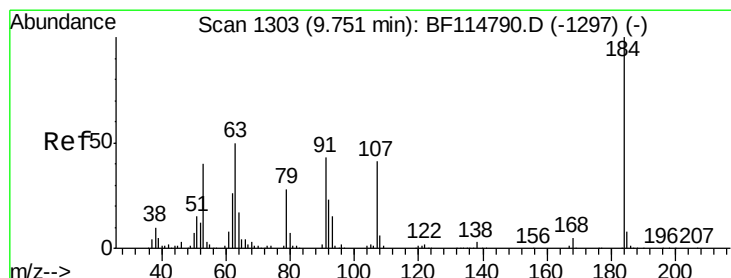
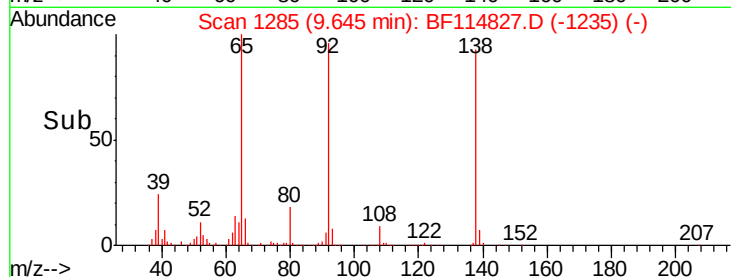
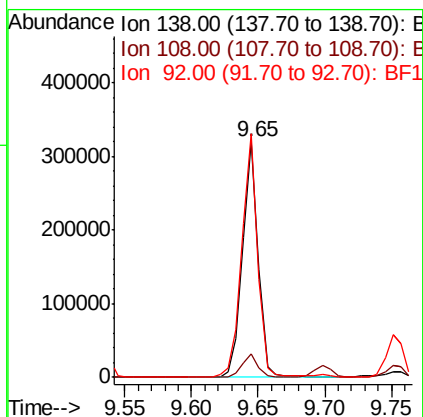
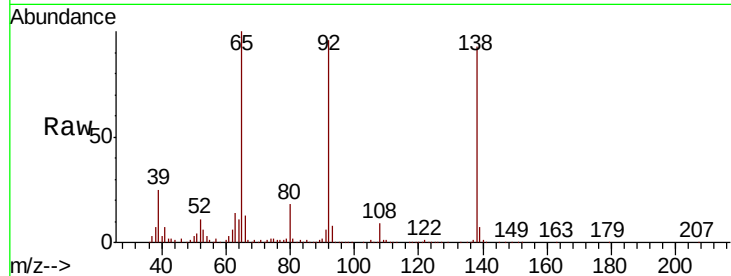
#53
3-Nitroaniline
Concen: 18.685 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.0	7.9	11.9
92	103.2	79.9	119.9

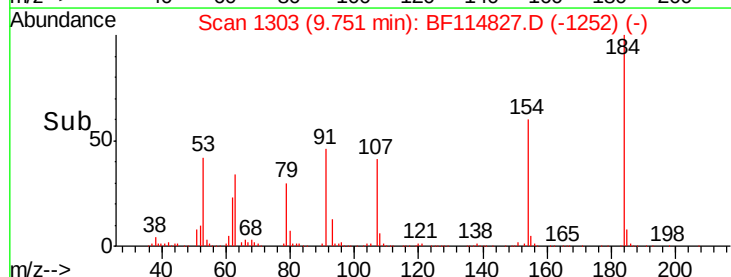
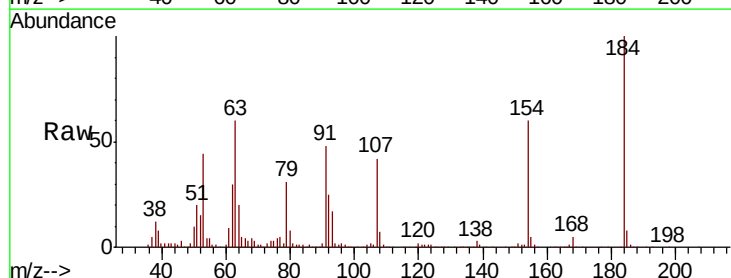
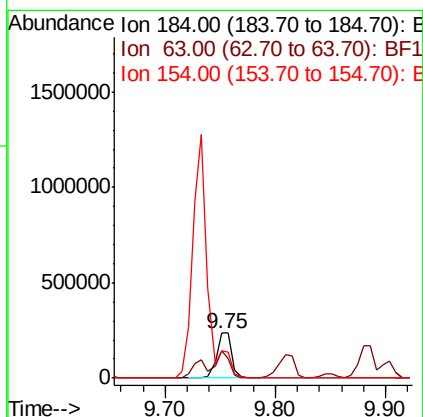
Manual Integrations
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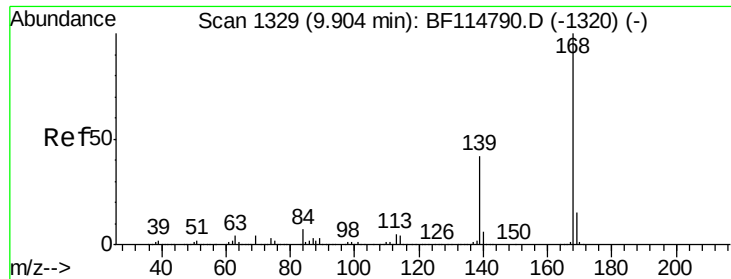
mohammad
6/6/2019 4:50:10 PM



#54
2,4-Dinitrophenol
Concen: 40.750 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	59.7	44.1	66.1
154	60.0	48.1	72.1





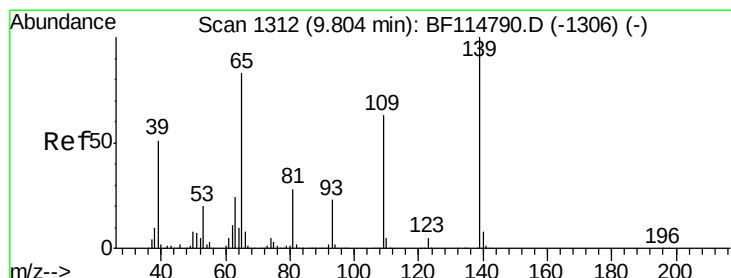
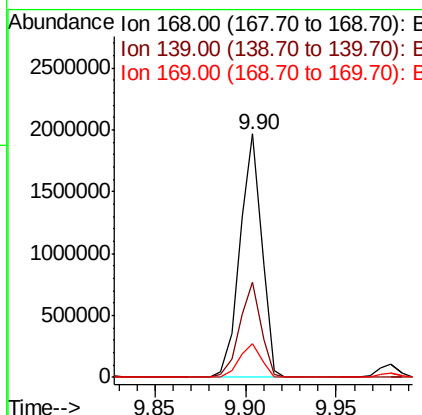
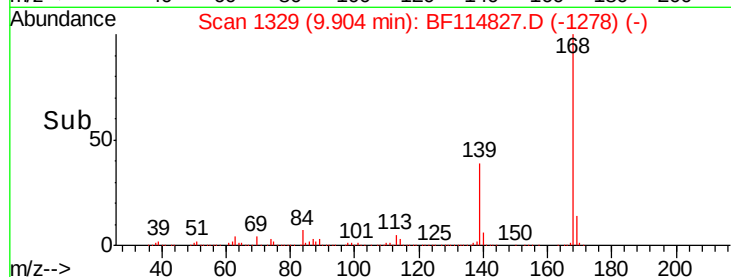
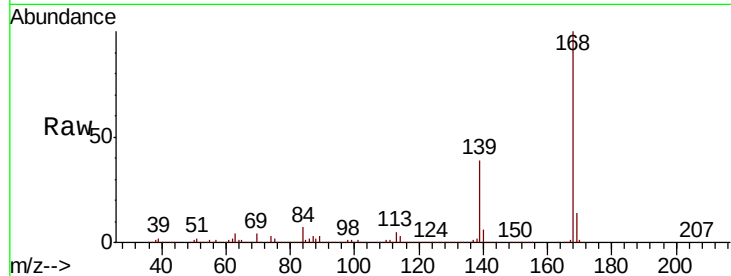
#55
Dibenzofuran
Concen: 27.867 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	33.8	50.6
169	14.0	11.9	17.9

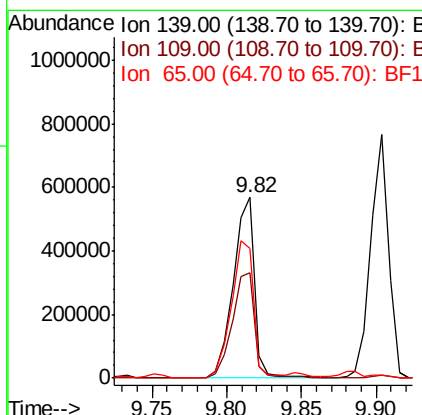
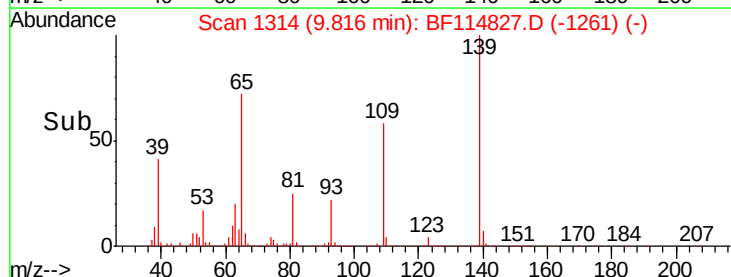
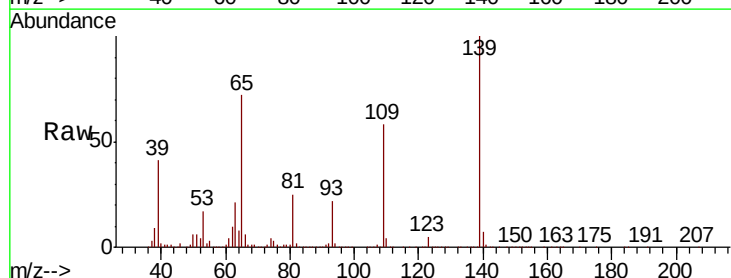
Manual Integrations
APPROVED

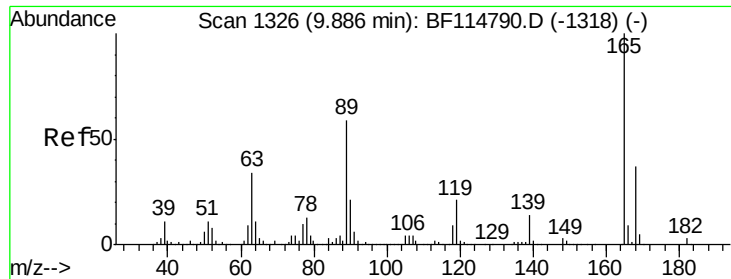
mohammad
6/6/2019 4:50:10 PM



#56
4-Nitrophenol
Concen: 55.074 ng
RT: 9.82 min Scan# 1314
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	58.4	43.5	83.5
65	71.9	63.2	103.2





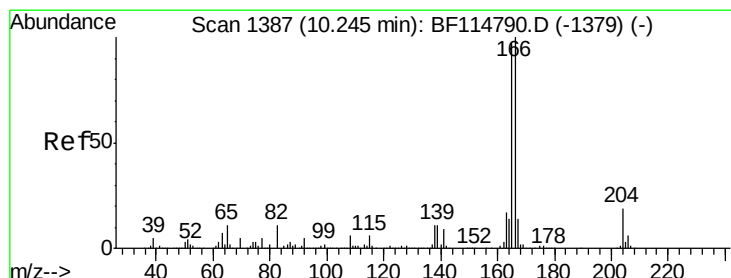
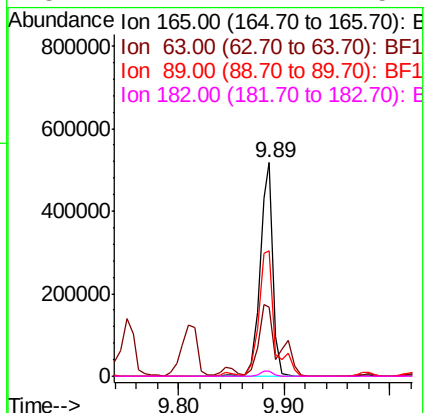
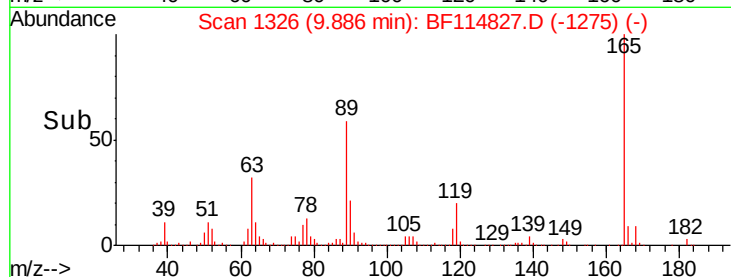
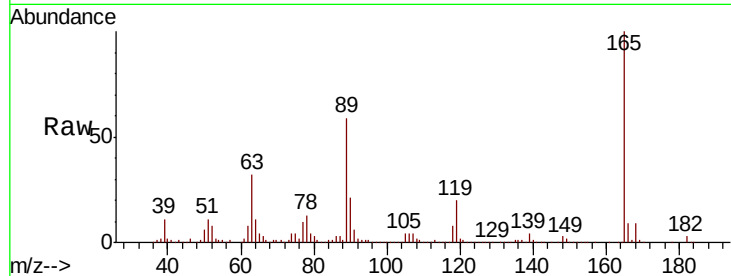
#57
2,4-Dinitrotoluene
Concen: 28.966 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		442076		
63	32.2	27.0	40.4		
89	58.8	47.0	70.6		
182	2.7	2.2	3.2		

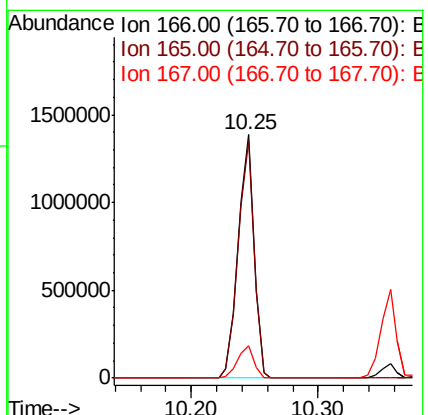
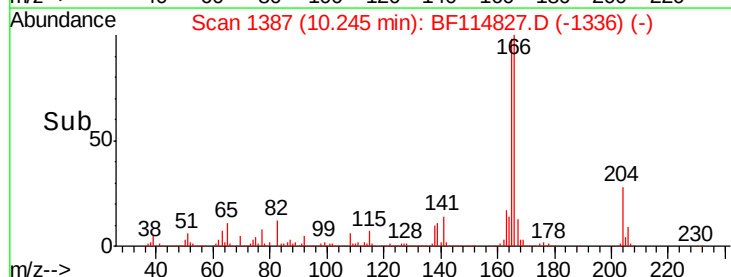
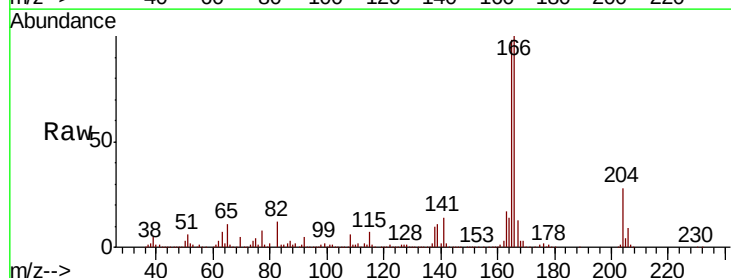
Manual Integrations
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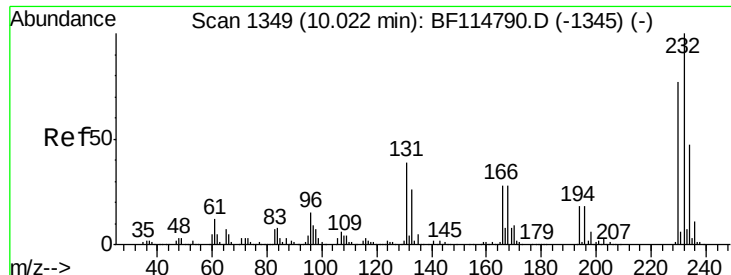
mohammad
6/6/2019 4:50:10 PM



#58
Fluorene
Concen: 27.876 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		1182536		
165	97.7	77.9	116.9		
167	13.5	11.3	16.9		





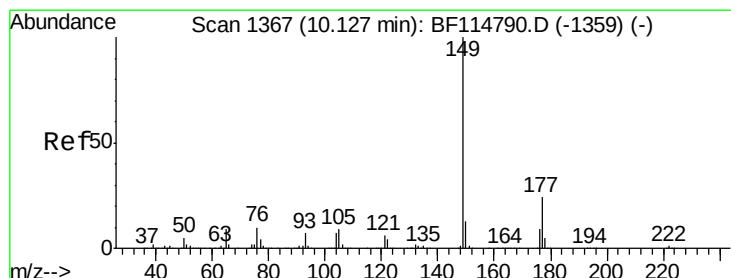
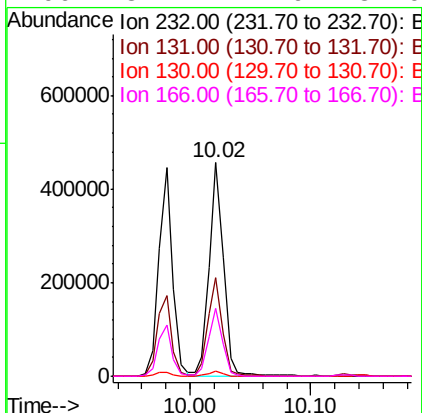
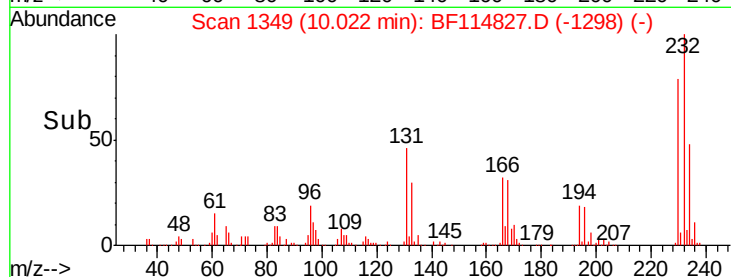
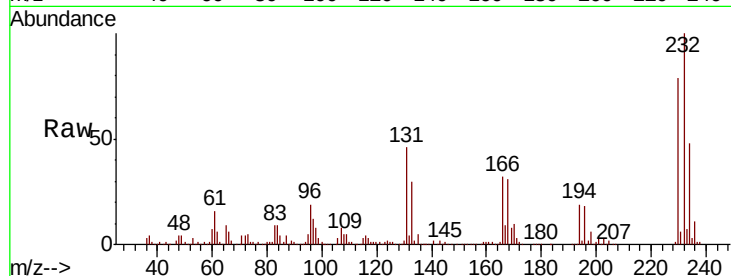
#59
2,3,4,6-Tetrachlorophenol
Concen: 28.569 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.8	55.2
130	2.4	1.8	2.6
166	31.1	24.6	37.0

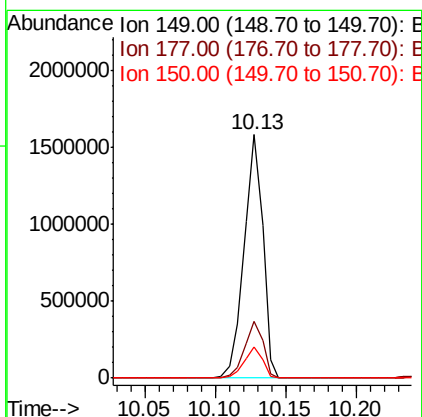
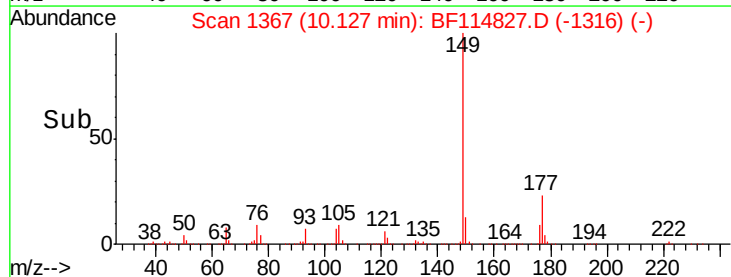
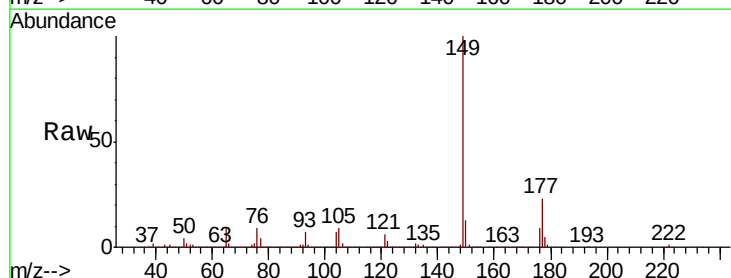
Manual Integrations
APPROVED

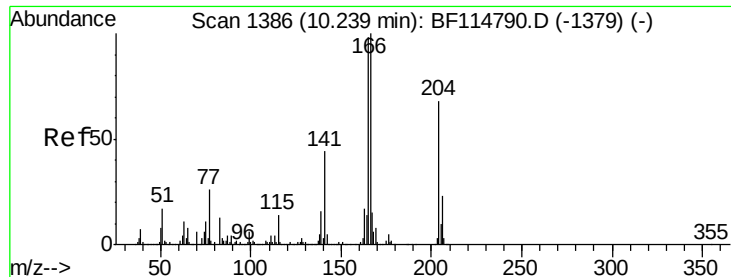
mohammad
6/6/2019 4:50:10 PM



#60
Diethylphthalate
Concen: 28.327 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.2	19.3	28.9
150	13.0	10.7	16.1





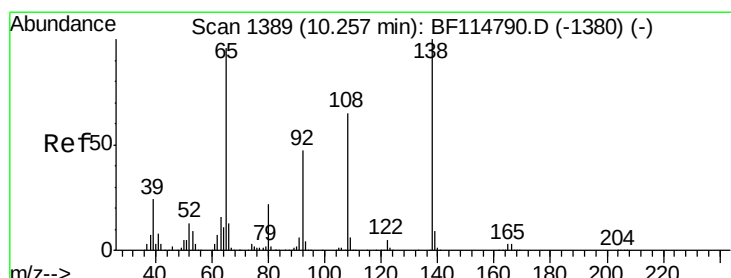
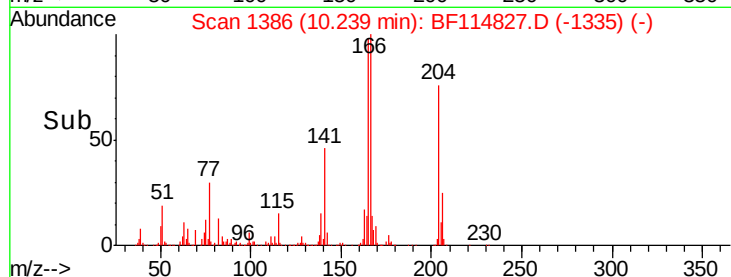
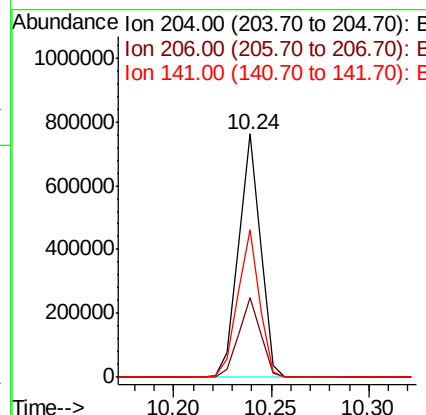
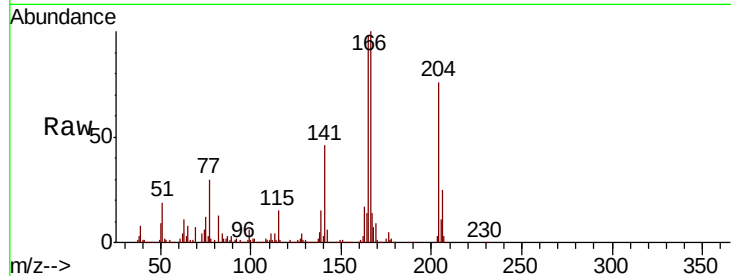
#61
 4-Chlorophenyl-phenylether
 Concen: 26.452 ng
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion:	204	Resp:	595721
Ion Ratio	Lower	Upper	
204	100		
206	32.6	26.5	39.7
141	60.7	51.0	76.4

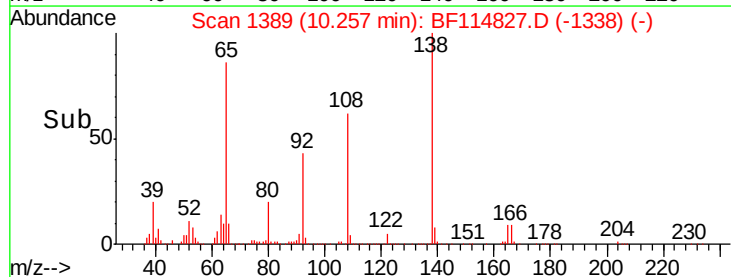
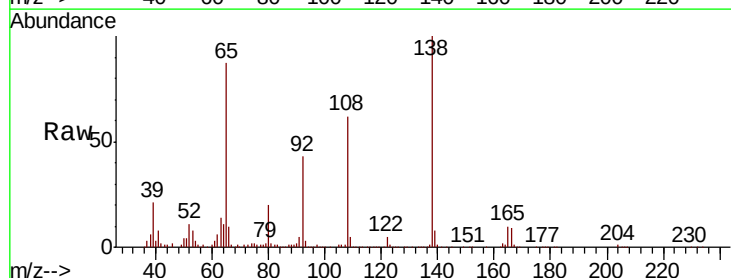
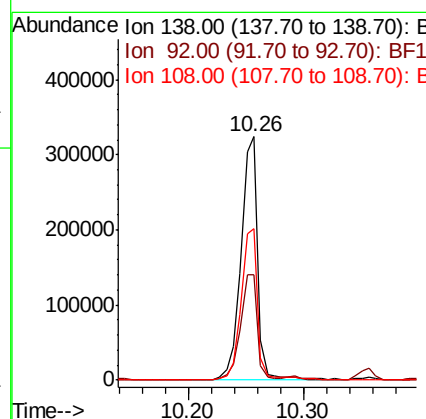
Manual Integrations
 APPROVED

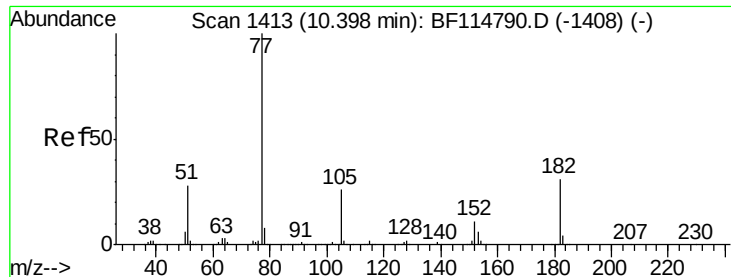
mohammad
 6/6/2019 4:50:10 PM



#62
 4-Nitroaniline
 Concen: 23.720 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion:	138	Resp:	326288
Ion Ratio	Lower	Upper	
138	100		
92	43.3	26.5	66.5
108	62.3	45.4	85.4





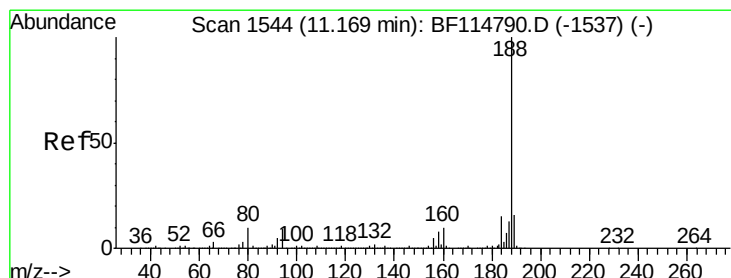
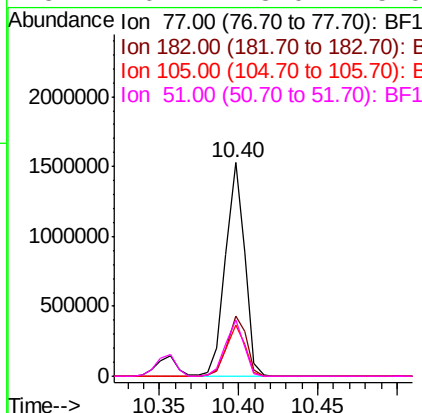
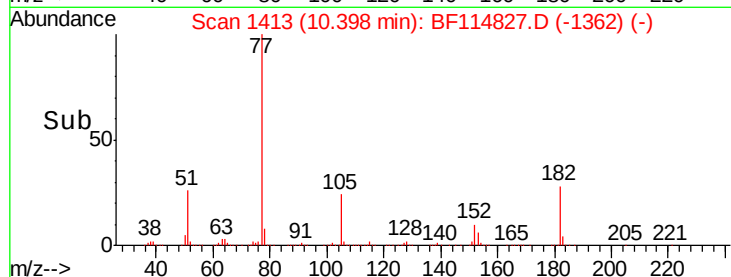
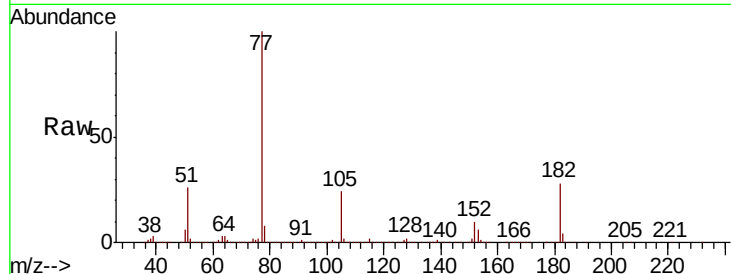
#63
Azobenzene
Concen: 28.971 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion: 77 Resp: 1277430
Ion Ratio Lower Upper
77 100
182 28.2 11.2 51.2
105 24.2 5.7 45.7
51 26.4 8.0 48.0

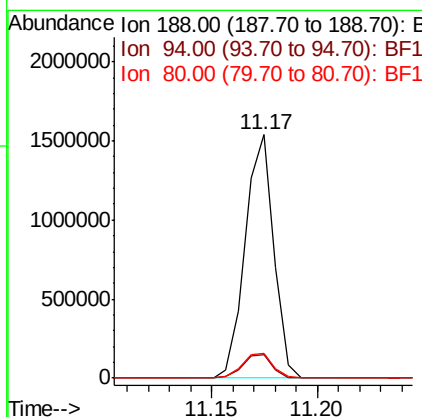
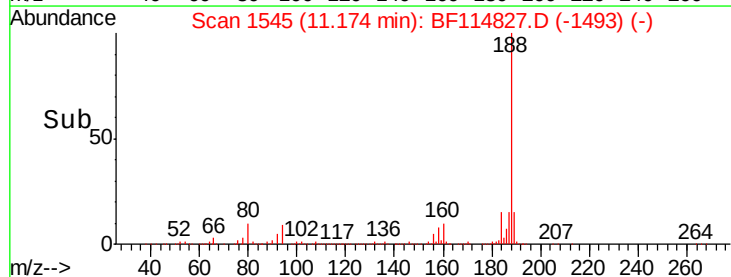
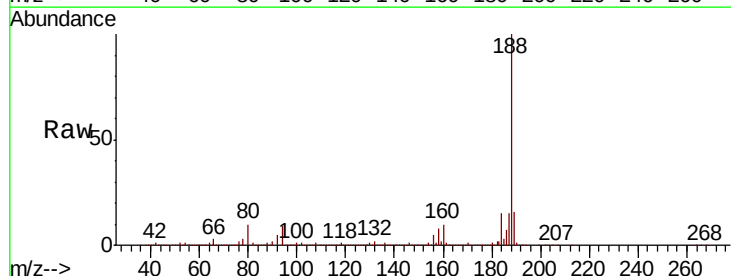
Manual Integrations
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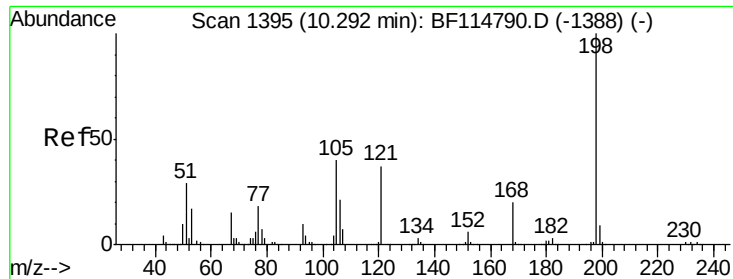
mohammad
6/6/2019 4:50:10 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion: 188 Resp: 1440338
Ion Ratio Lower Upper
188 100
94 9.5 7.6 11.4
80 10.1 8.3 12.5





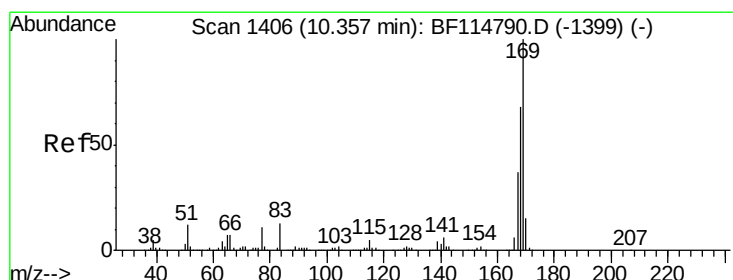
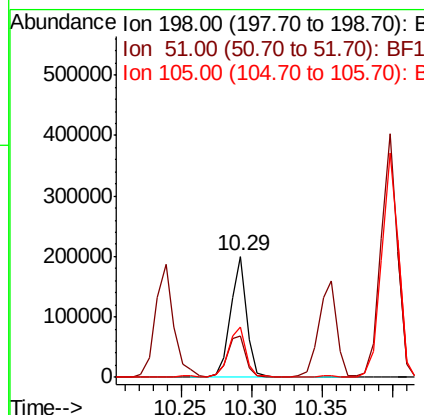
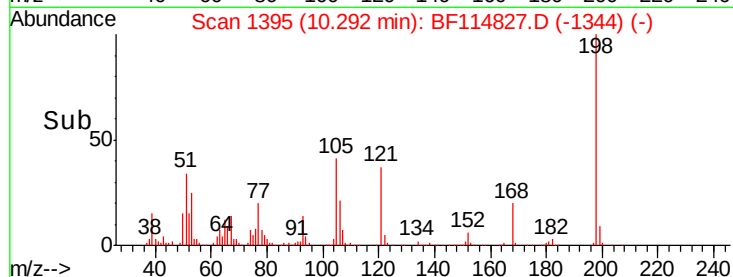
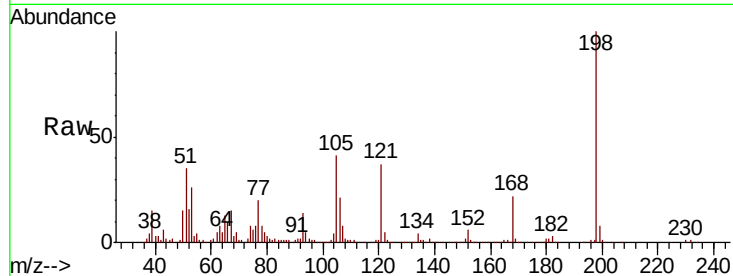
#65
4,6-Dinitro-2-methylphenol
Concen: 21.146 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	34.5	14.9	54.9
105	41.2	21.0	61.0

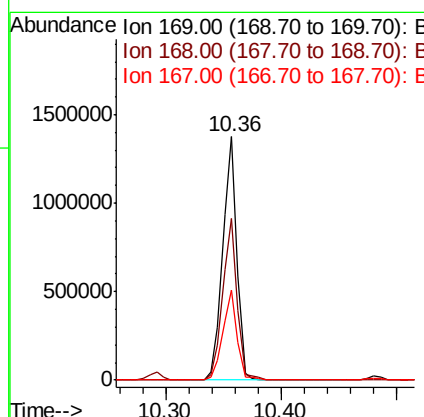
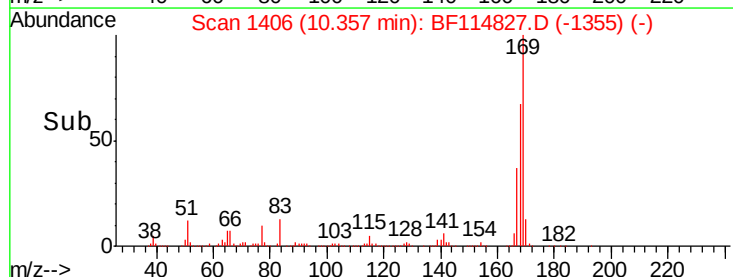
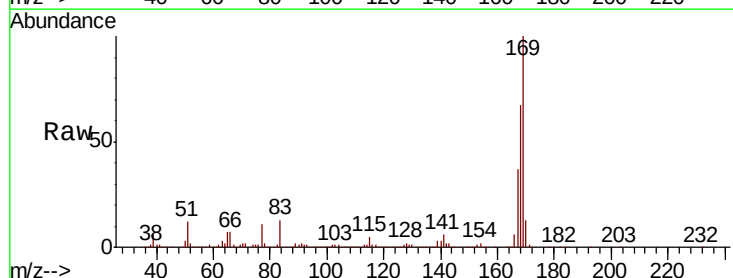
Manual Integrations
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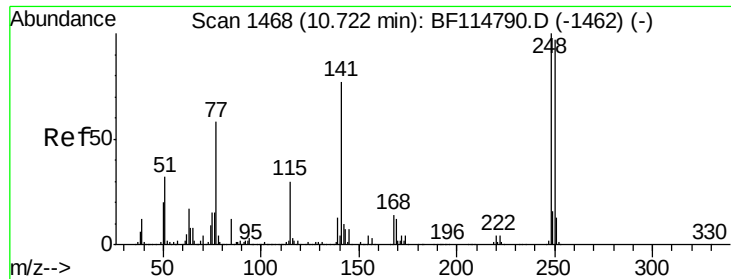
mohammad
6/6/2019 4:50:10 PM



#66
n-Nitrosodiphenylamine
Concen: 26.869 ng
RT: 10.36 min Scan# 1406
Delta R.T. -0.00 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.5	54.3	81.5
167	36.7	29.9	44.9





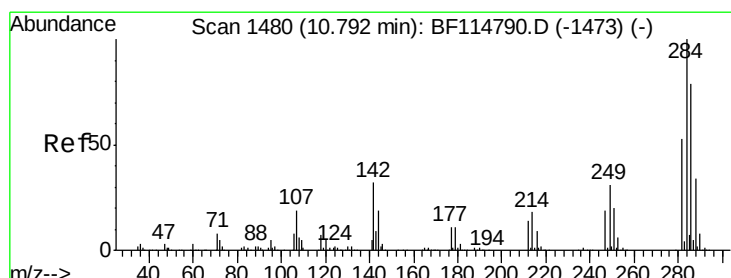
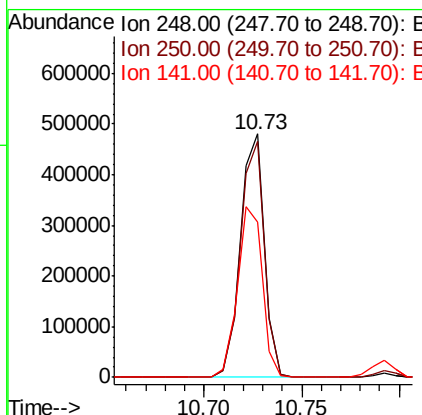
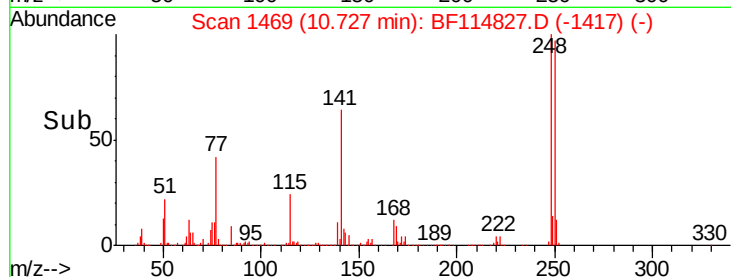
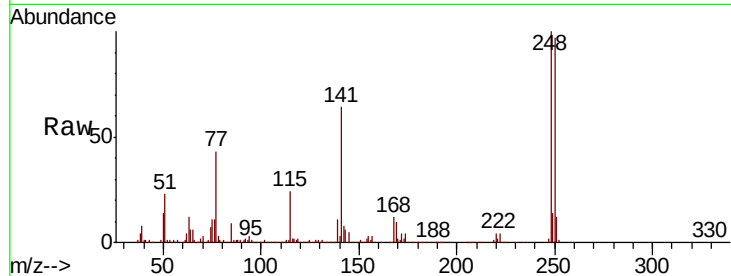
#67
 4-Bromophenyl-phenylether
 Concen: 24.983 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion:	248	Resp:	408682
Ion Ratio	Lower	Upper	
248	100		
250	96.8	77.5	116.3
141	64.0	61.8	92.8

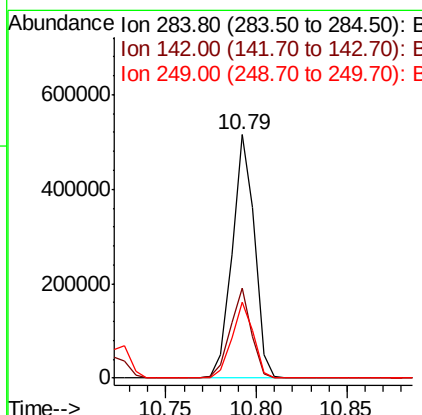
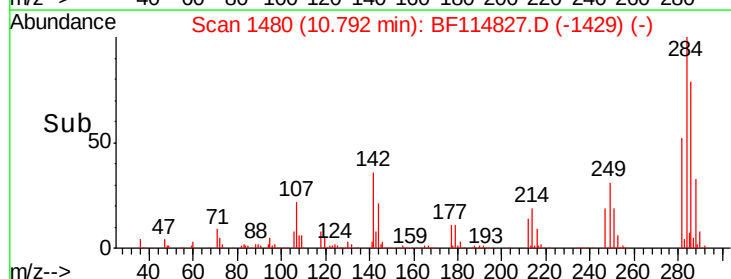
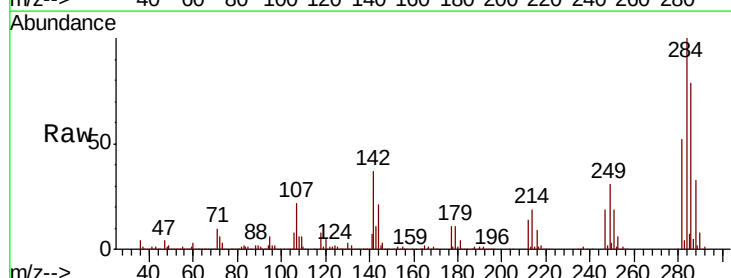
Manual Integrations
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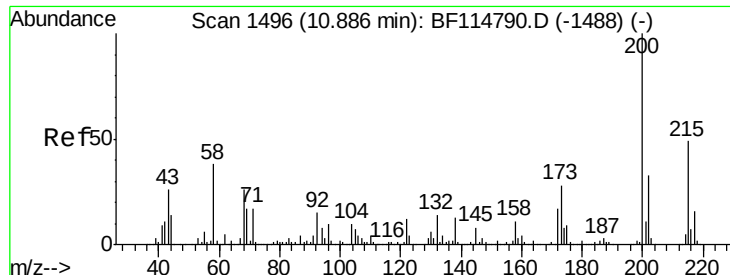
mohammad
 6/6/2019 4:50:10 PM



#68
 Hexachlorobenzene
 Concen: 24.549 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion:	284	Resp:	439512
Ion Ratio	Lower	Upper	
284	100		
142	37.0	25.3	37.9
249	31.0	24.9	37.3





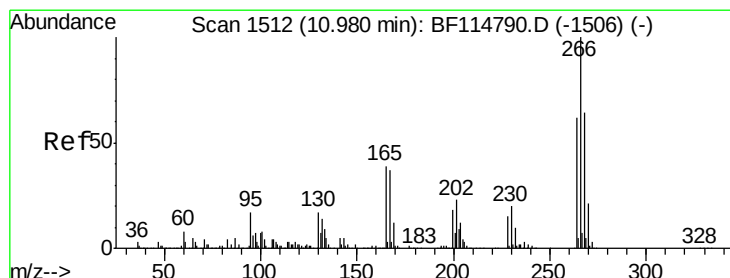
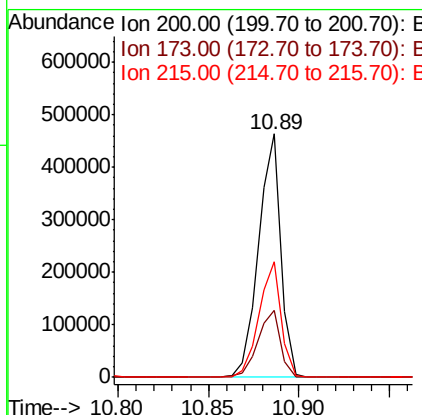
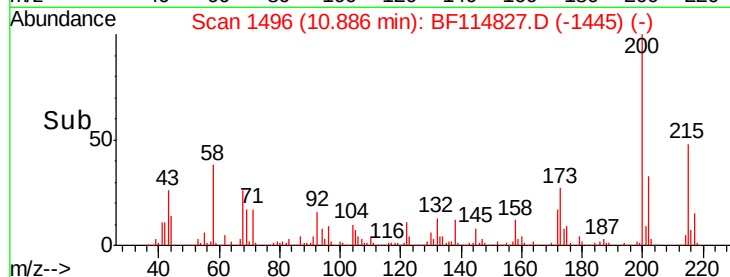
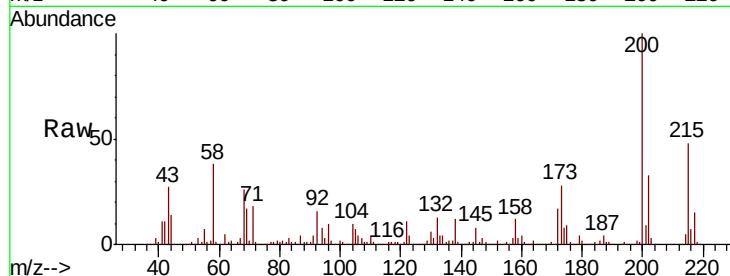
#69
 Atrazine
 Concen: 26.172 ng
 RT: 10.89 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.0	48.0
215	47.7	28.7	68.7

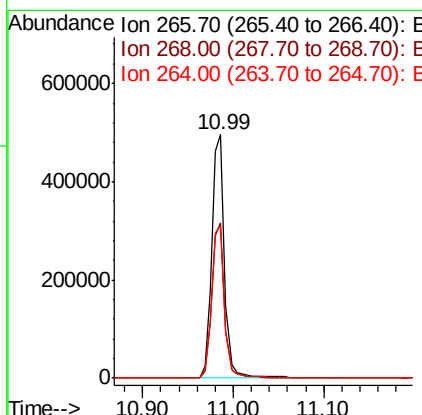
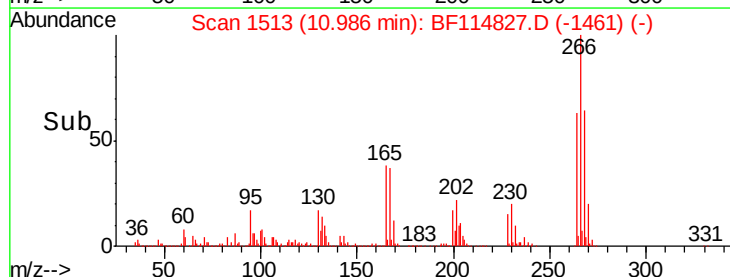
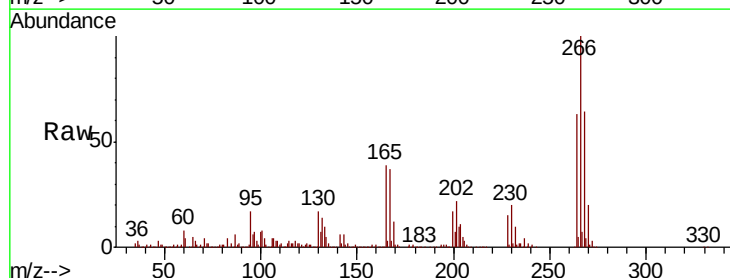
Manual Integrations
 APPROVED

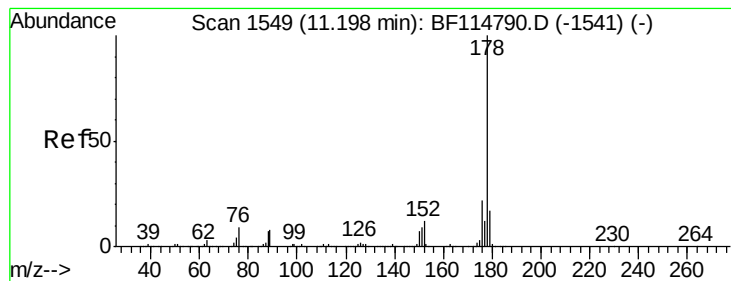
mohammad
 6/6/2019 4:50:10 PM



#70
 Pentachlorophenol
 Concen: 47.555 ng
 RT: 10.99 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	63.0	49.6	74.4





#71

Phenanthrene

Concen: 28.373 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.00 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:178 Resp: 1950957

Ion Ratio Lower Upper

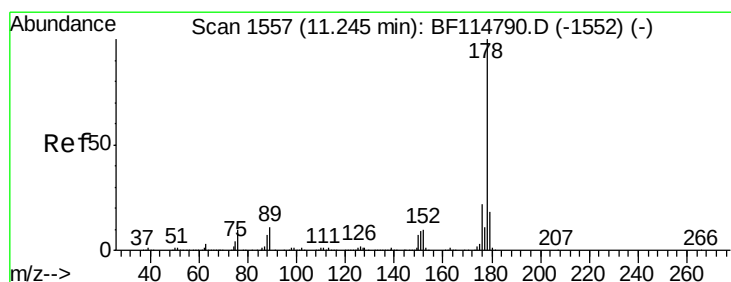
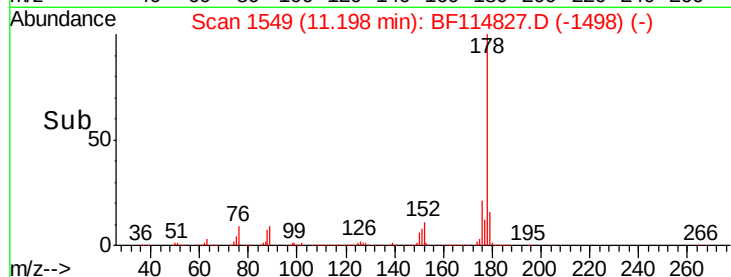
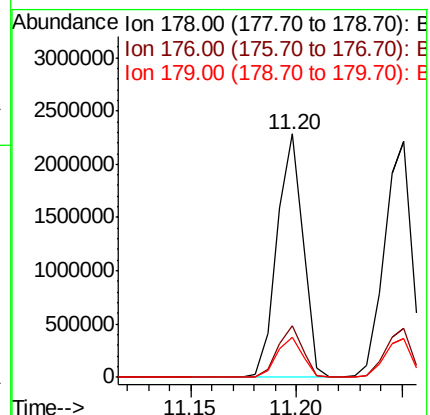
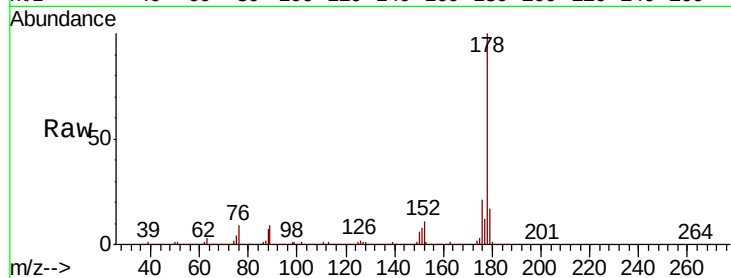
178 100

176 21.3 17.7 26.5

179 16.7 13.7 20.5

Manual Integrations
APPROVED

mohammad
6/6/2019 4:50:10 PM



#72

Anthracene

Concen: 27.816 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

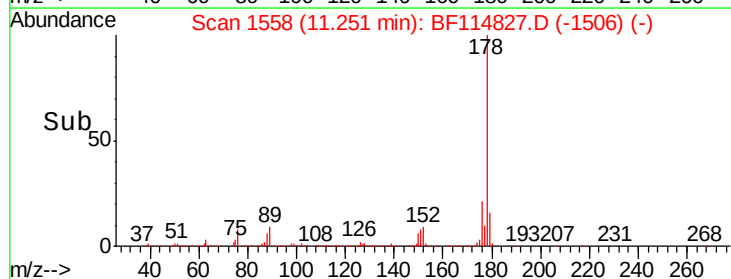
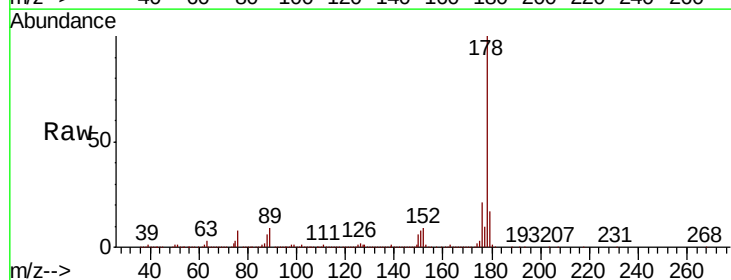
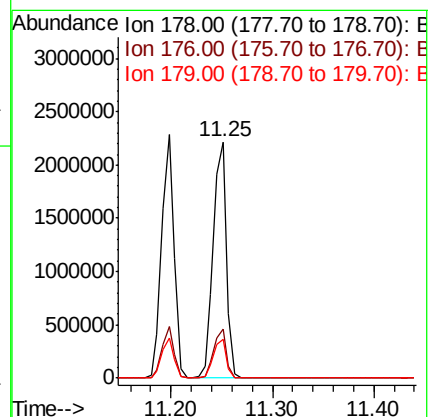
Tgt Ion:178 Resp: 2012843

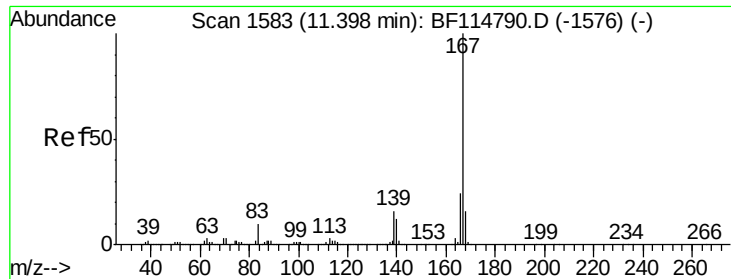
Ion Ratio Lower Upper

178 100

176 20.5 17.4 26.0

179 16.5 14.2 21.4





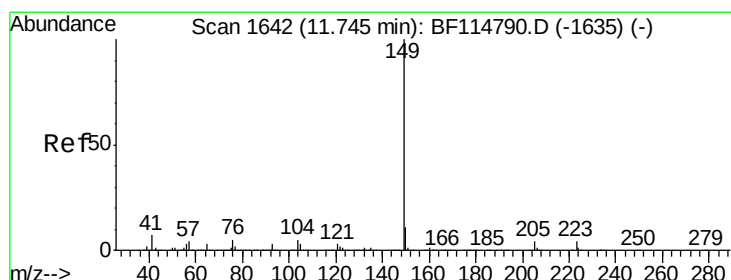
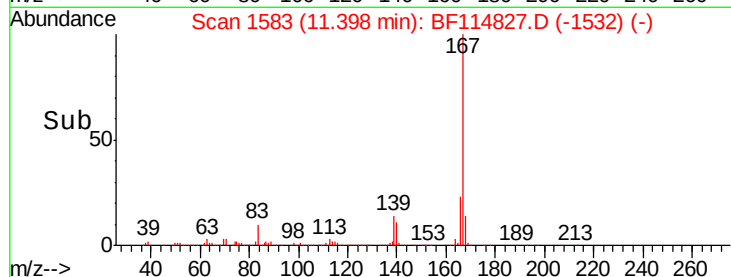
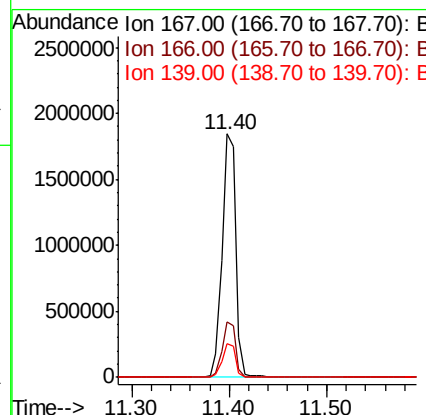
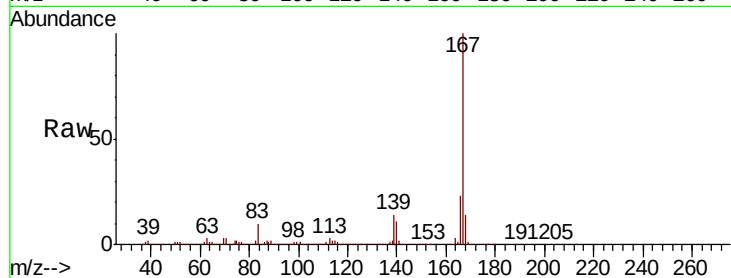
#73
 Carbazole
 Concen: 28.869 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	19.1	28.7
139	14.1	12.4	18.6

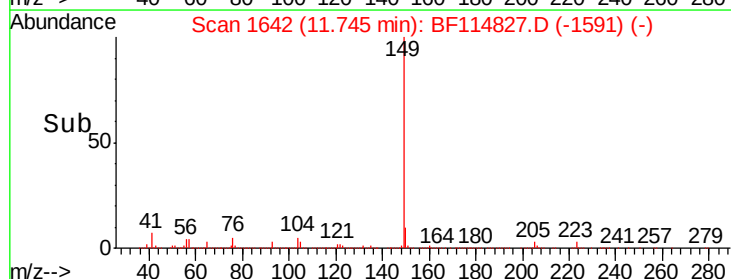
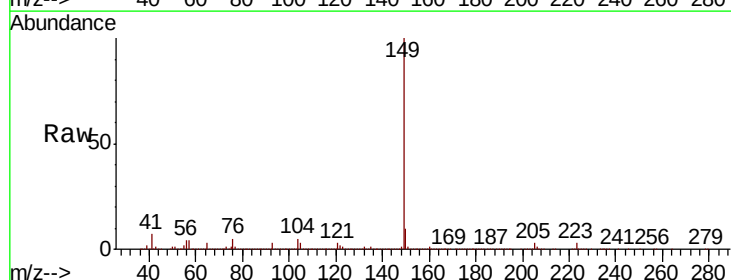
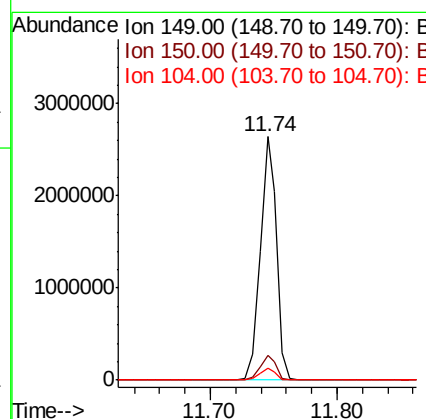
Manual Integrations
 APPROVED

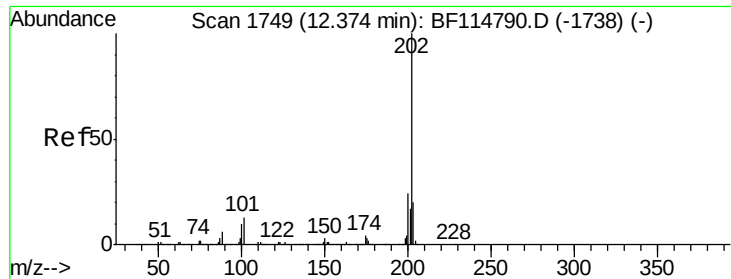
mohammad
 6/6/2019 4:50:10 PM



#74
 Di-n-butylphthalate
 Concen: 29.005 ng
 RT: 11.74 min Scan# 1642
 Delta R.T. -0.00 min
 Lab File: BF114827.D
 Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.4	8.9	13.3
104	5.1	4.3	6.5





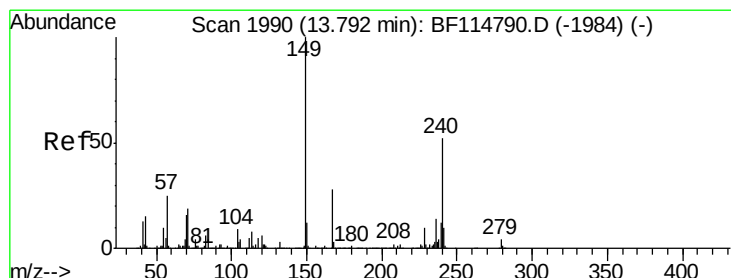
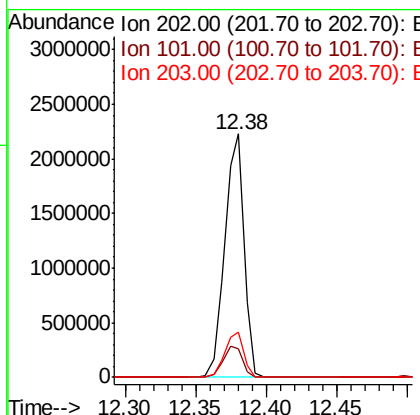
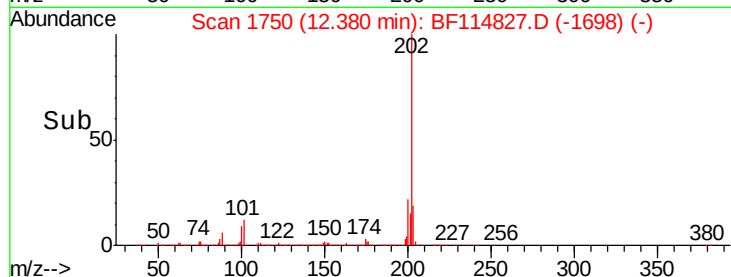
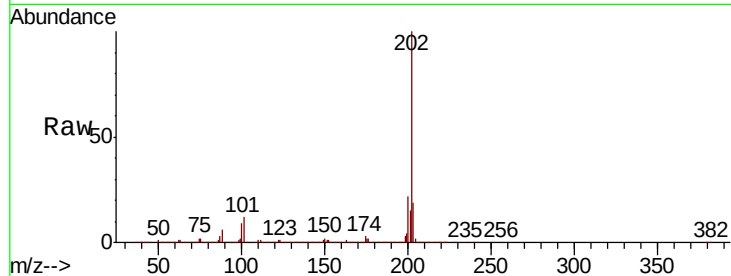
#75
Fluoranthene
Concen: 29.262 ng
RT: 12.38 min Scan# 1750
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.8
203	18.7	0.2	40.2

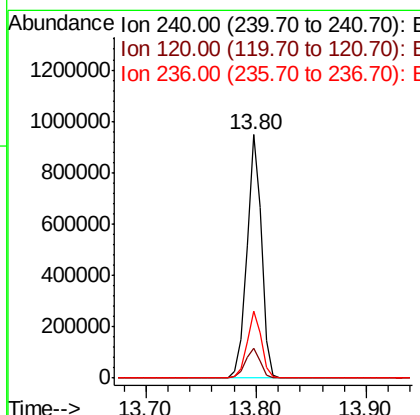
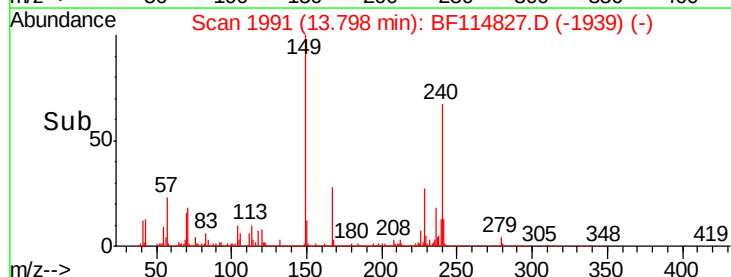
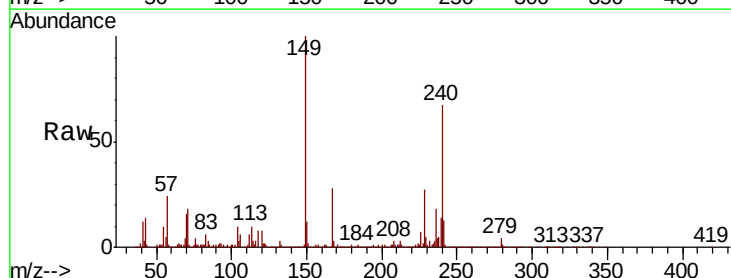
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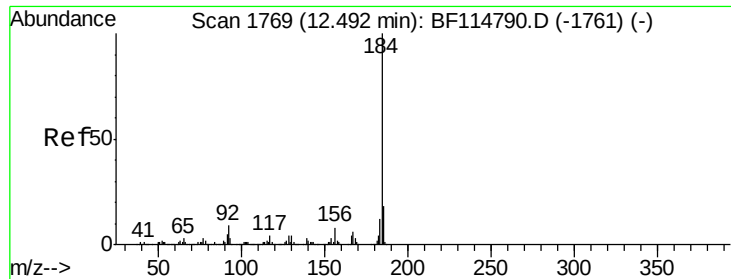
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.0	13.4
236	27.3	21.4	32.0





#77

Benzidine

Concen: 4.051 ng

RT: 12.50 min Scan# 1770

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:184 Resp: 175428

Ion Ratio Lower Upper

184 100

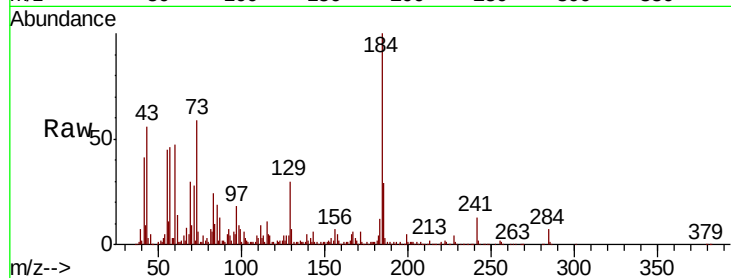
185 28.6 14.1 21.1#

183 11.8 9.9 14.9

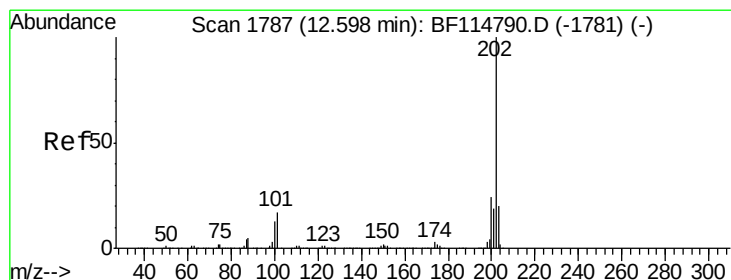
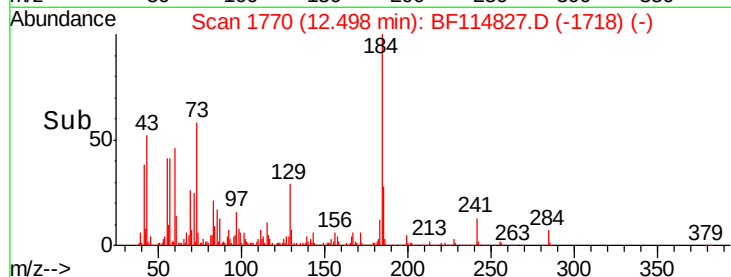
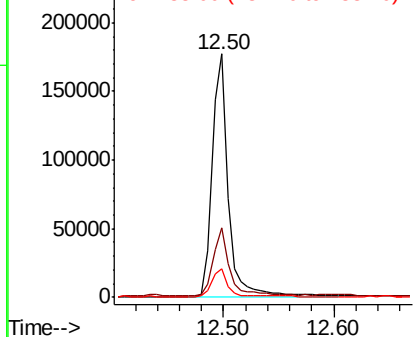
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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 27.629 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

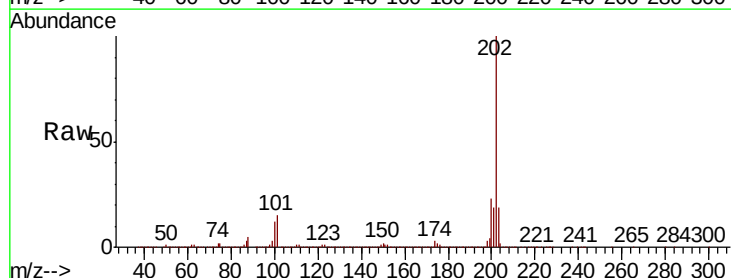
Tgt Ion:202 Resp: 2096372

Ion Ratio Lower Upper

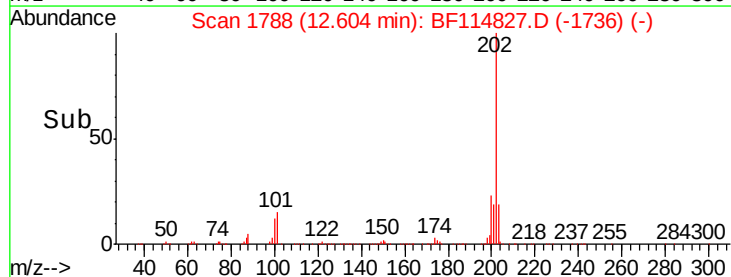
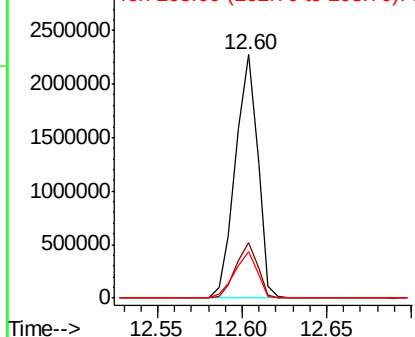
202 100

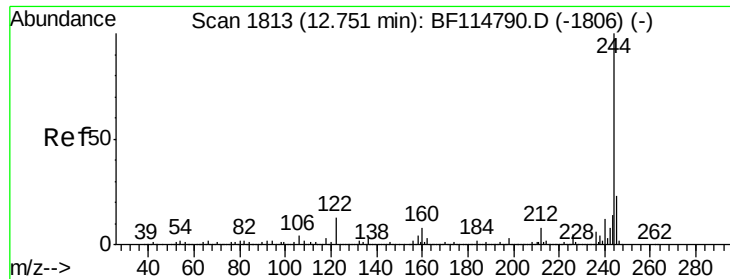
200 23.0 19.2 28.8

203 18.9 15.9 23.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 59.684 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:244 Resp: 2684275

Ion Ratio Lower Upper

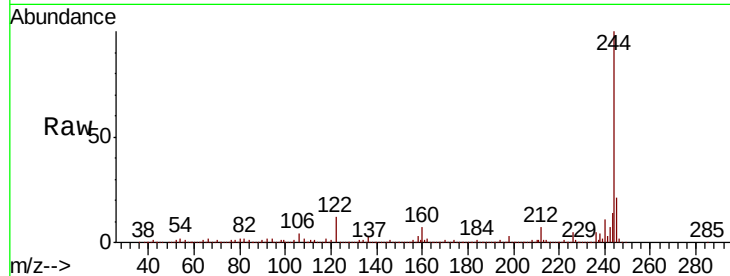
244 100

212 7.3 6.5 9.7

122 11.8 10.5 15.7

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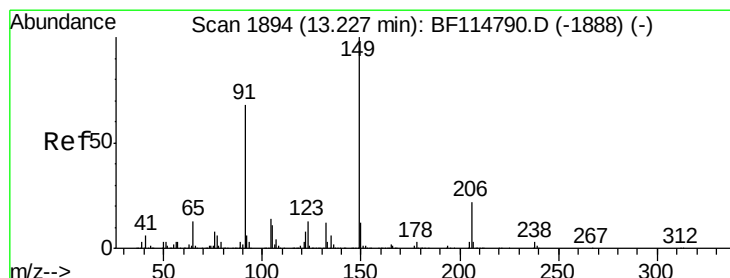
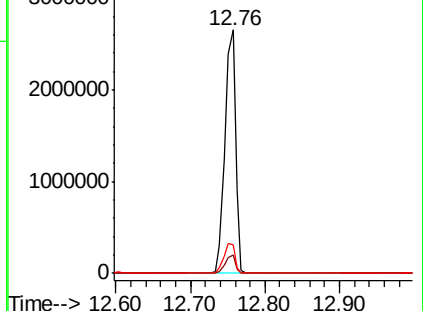
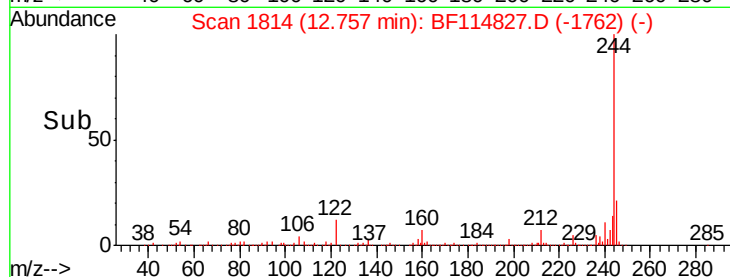
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 27.826 ng

RT: 13.23 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

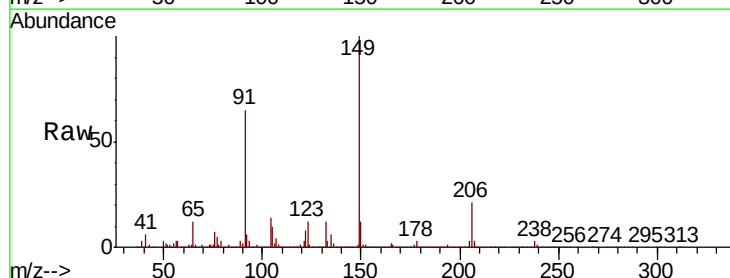
Tgt Ion:149 Resp: 1066183

Ion Ratio Lower Upper

149 100

91 64.6 54.6 82.0

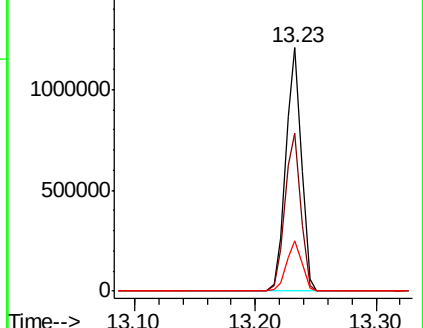
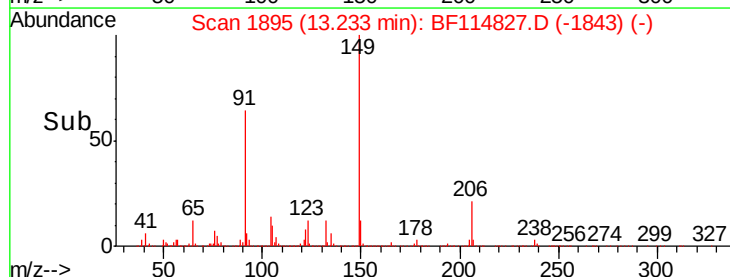
206 20.7 17.2 25.8

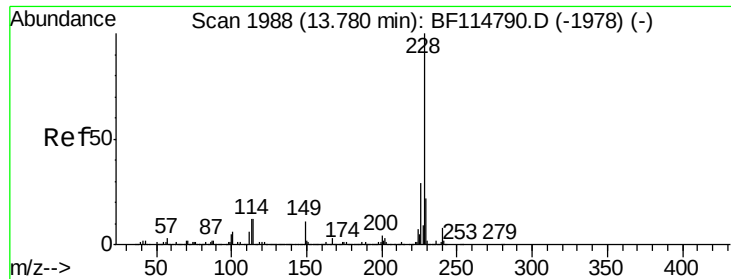


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





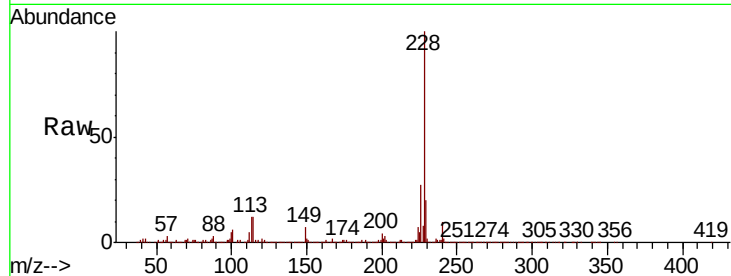
#81
Benzo(a)anthracene
Concen: 24.966 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.4	35.2
229	20.4	17.4	26.0

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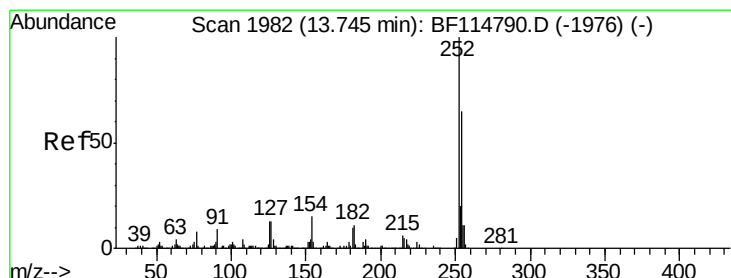
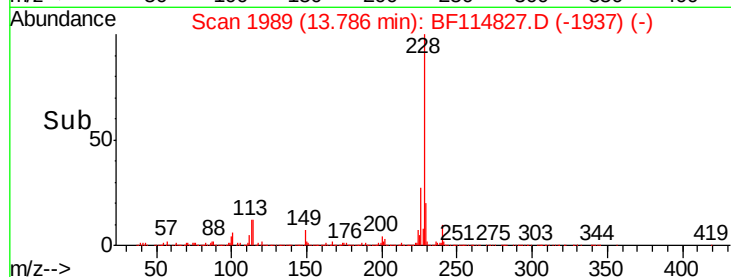
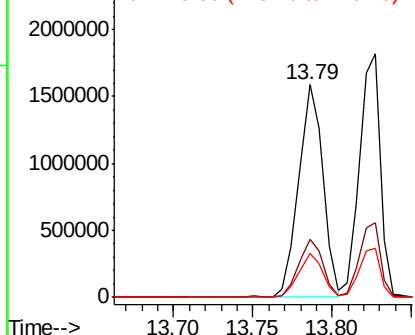


Abundance

Ion 228.00 (227.70 to 228.70): E

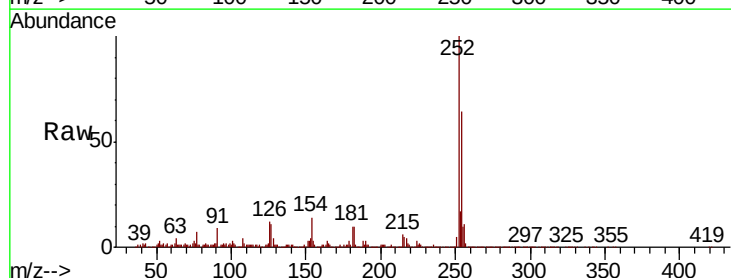
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 19.170 ng
RT: 13.75 min Scan# 1983
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.9	77.9
126	12.4	10.5	15.7

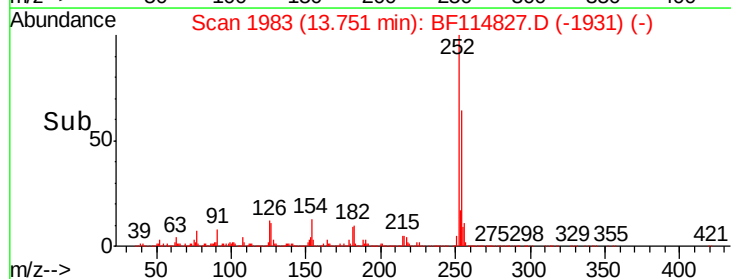
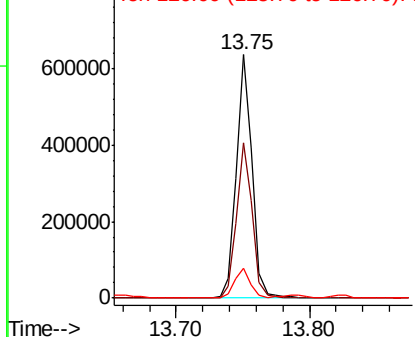


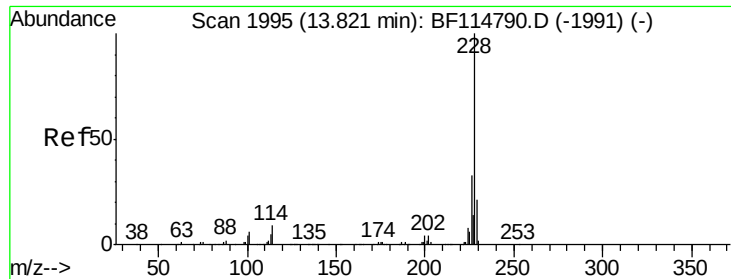
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





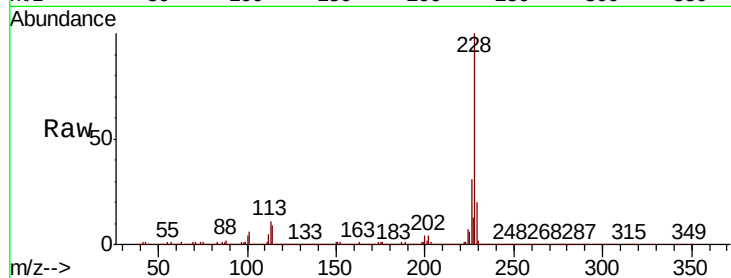
#83
Chrysene
Concen: 25.473 ng
RT: 13.83 min Scan# 1996
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	26.0	39.0
229	20.3	17.1	25.7

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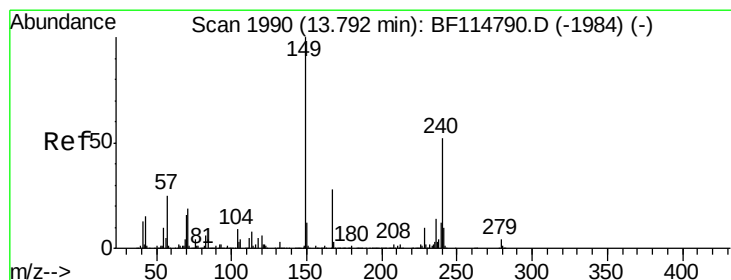
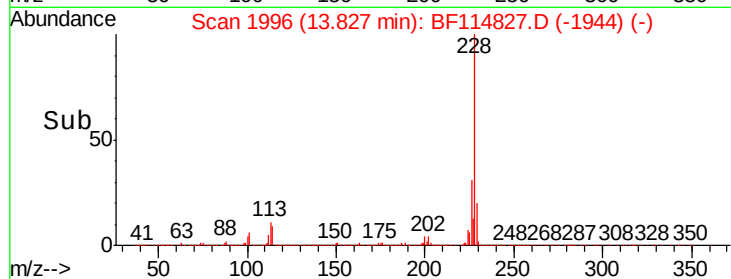
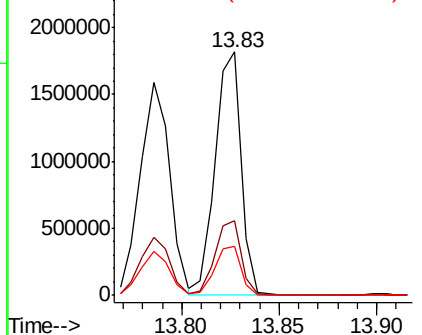


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 28.483 ng
RT: 13.80 min Scan# 1991
Delta R.T. 0.01 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

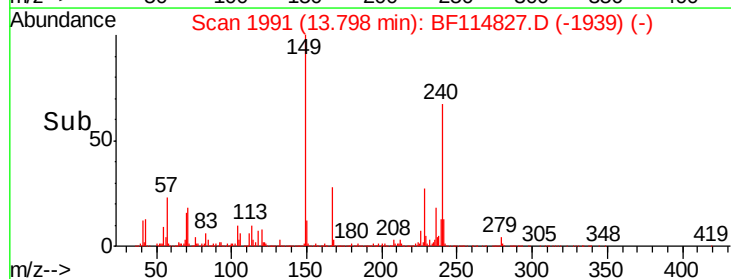
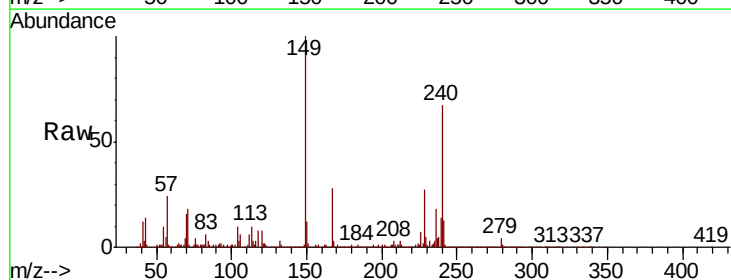
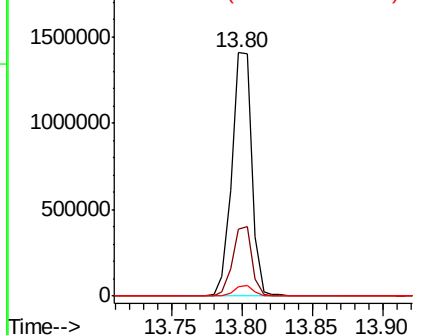
Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.7	34.1
279	3.6	3.1	4.7

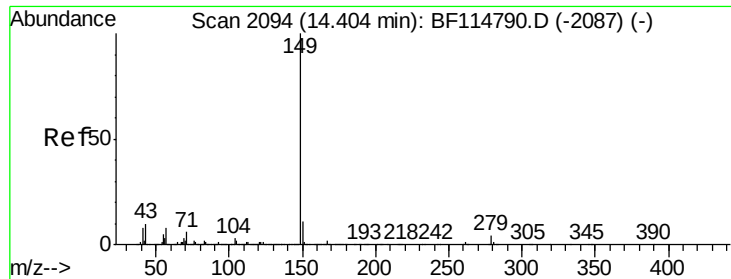
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





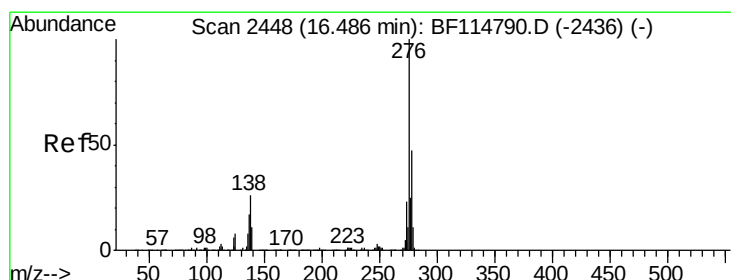
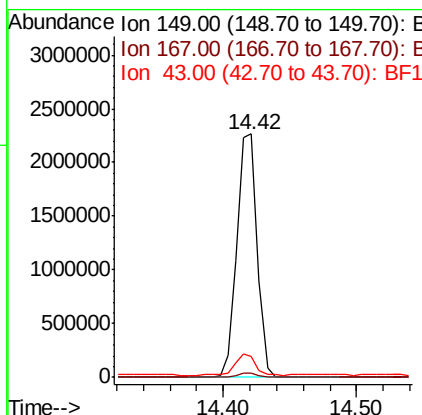
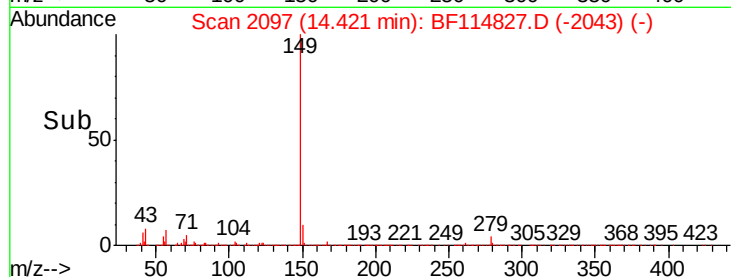
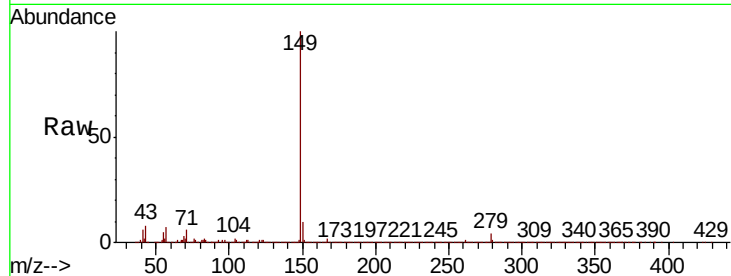
#85
Di-n-octyl phthalate
Concen: 29.118 ng
RT: 14.42 min Scan# 2097
Delta R.T. 0.02 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.2	7.0	10.6

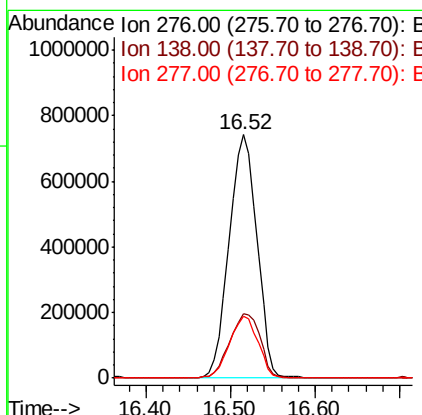
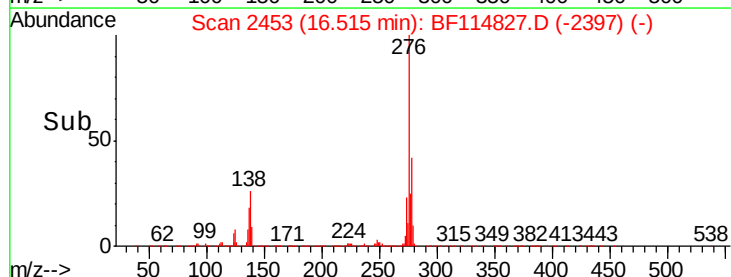
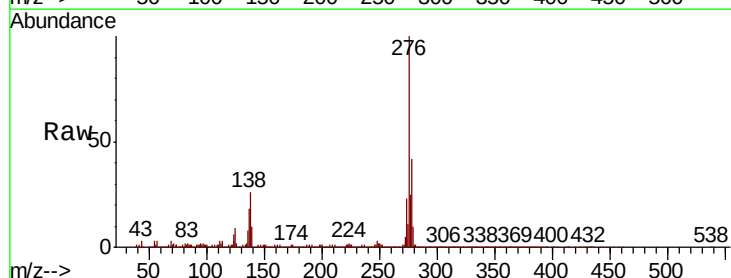
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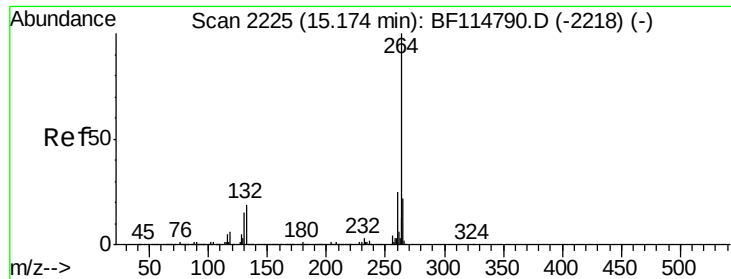
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 22.477 ng
RT: 16.52 min Scan# 2453
Delta R.T. 0.03 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.2	33.4
277	25.8	20.6	30.8





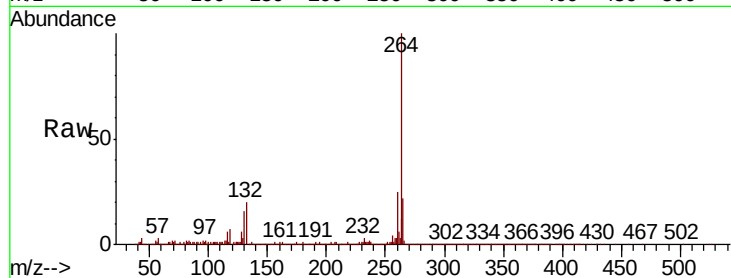
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.02 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-011-ABCDMSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.1	30.1
265	22.0	17.7	26.5

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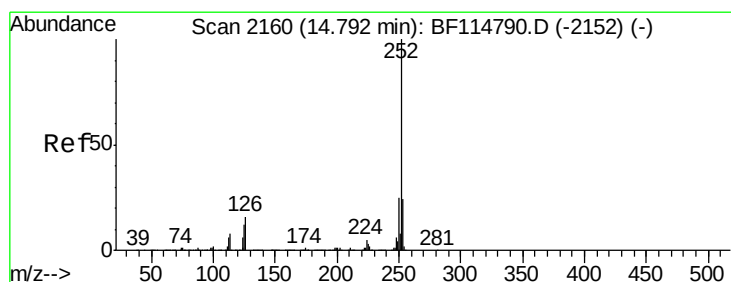
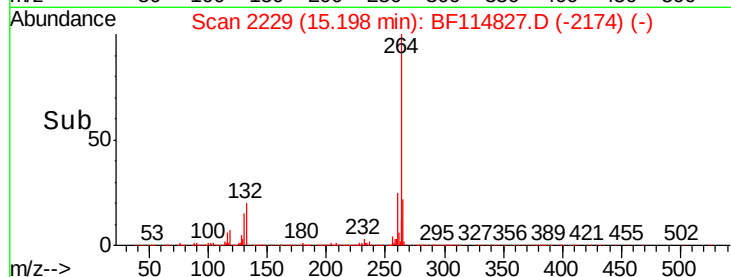
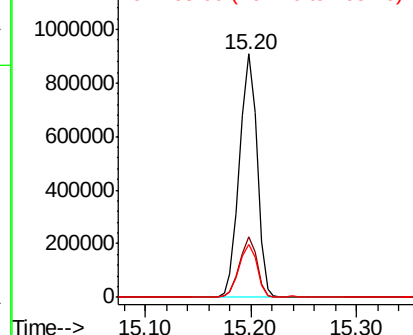


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 27.224 ng
RT: 14.81 min Scan# 2163
Delta R.T. 0.02 min
Lab File: BF114827.D
Acq: 5 Jun 2019 19:27

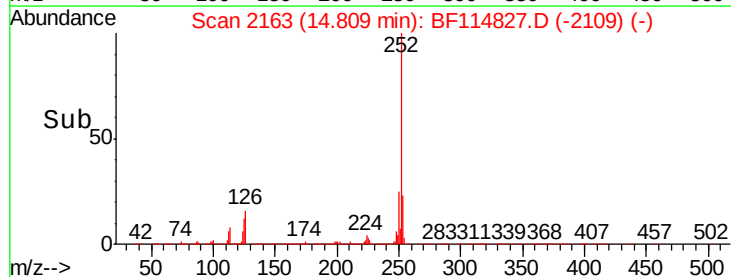
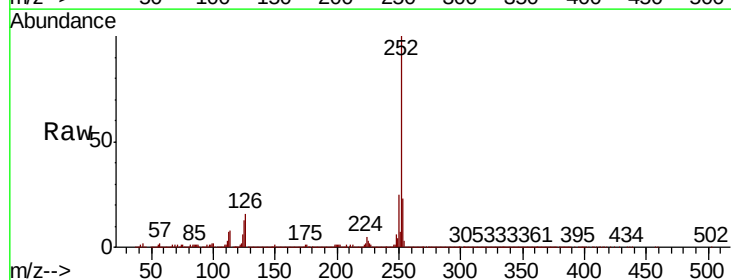
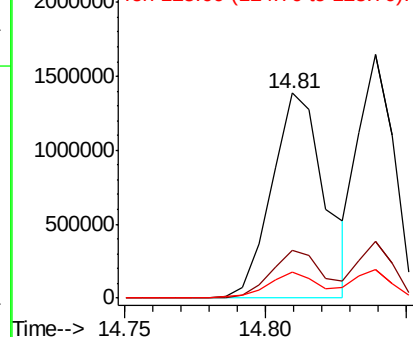
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.6
125	12.6	9.4	14.0

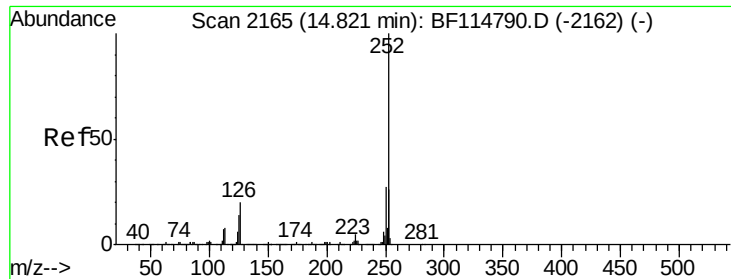
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 25.502 ng

RT: 14.84 min Scan# 2168

Delta R.T. 0.02 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

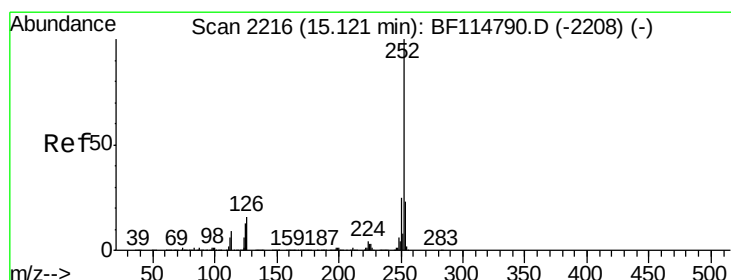
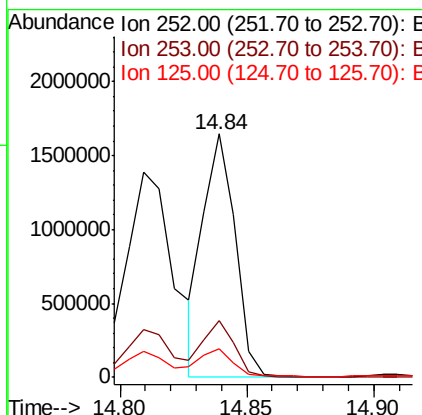
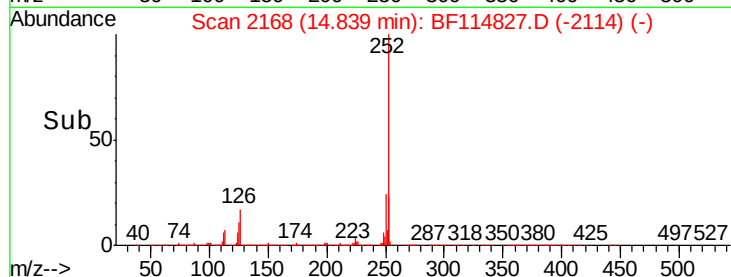
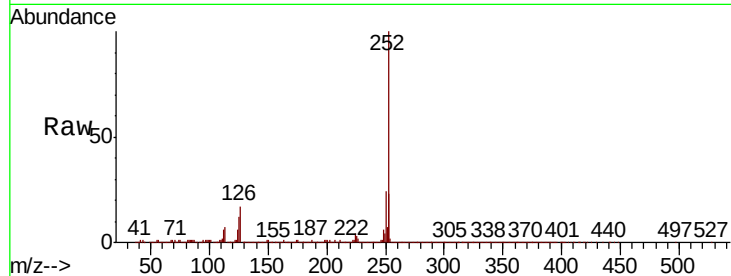
ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:	252	Resp:	1434142
Ion Ratio	Lower	Upper	
252	100		
253	23.1	19.3	28.9
125	11.7	10.1	15.1

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#90

Benzo(a)pyrene

Concen: 27.688 ng

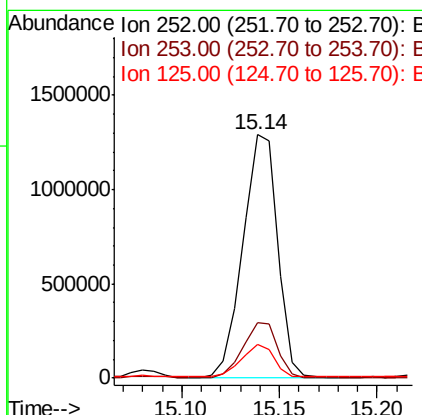
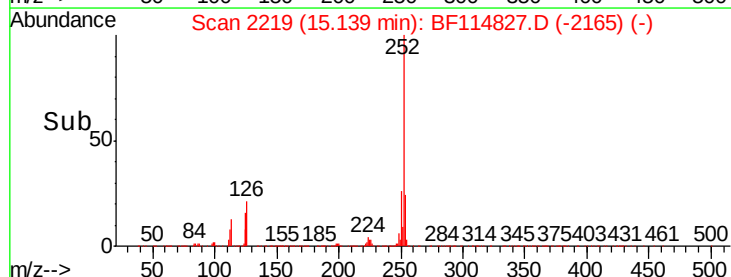
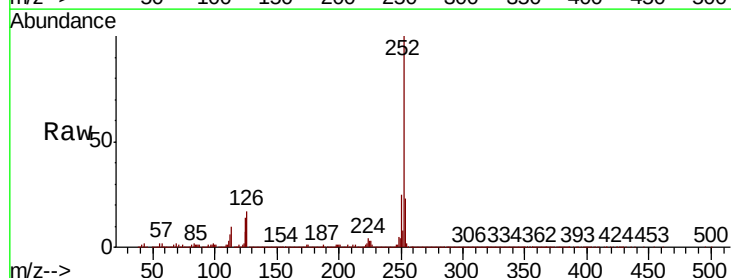
RT: 15.14 min Scan# 2219

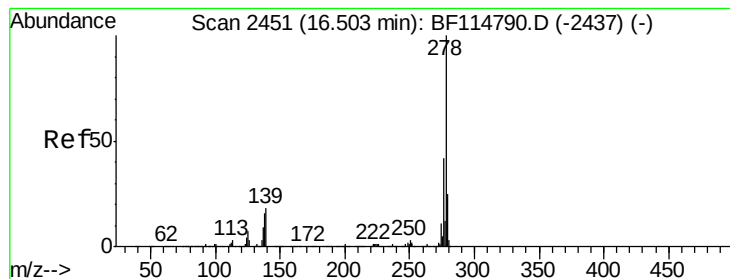
Delta R.T. 0.02 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Tgt Ion:	252	Resp:	1587031
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.5	27.7
125	13.6	10.1	15.1





#91

Dibenzo(a,h)anthracene

Concen: 26.010 ng

RT: 16.53 min Scan# 2456

Delta R.T. 0.03 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-011-ABCDMSD

Tot Ion:278 Resp: 1411863

Ion Ratio Lower Upper

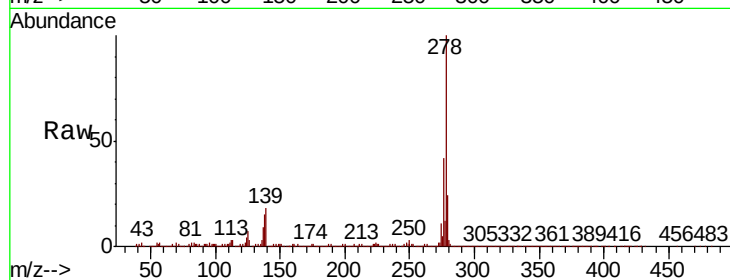
278 100

139 18.0 14.6 22.0

279 24.1 20.1 30.1

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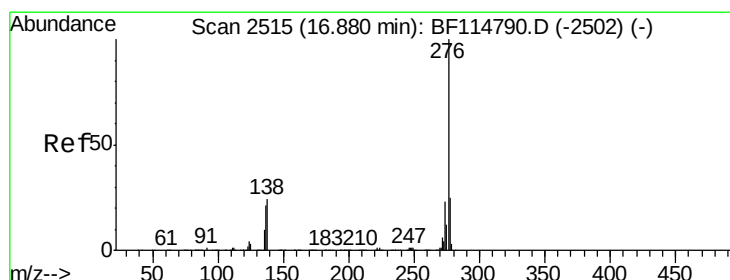
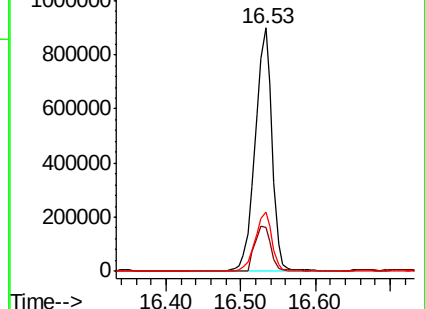
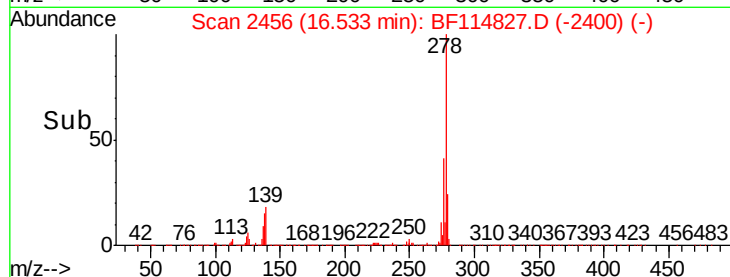
mohammad
6/6/2019 4:50:10 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 24.370 ng

RT: 16.91 min Scan# 2520

Delta R.T. 0.03 min

Lab File: BF114827.D

Acq: 5 Jun 2019 19:27

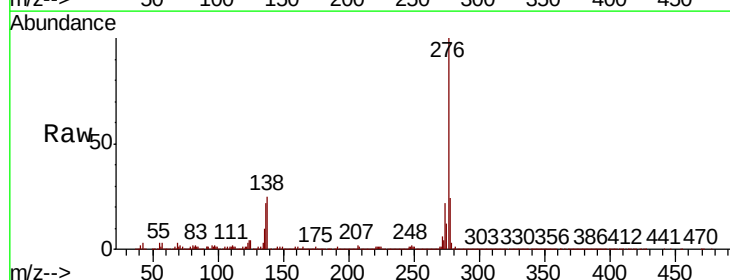
Tgt Ion:276 Resp: 1330246

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 25.2 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

