

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115935.D
 Acq On : 2 Aug 2019 10:00
 Operator : HP/JU
 Sample : PB121887BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:44:00 PM

Quant Time: Aug 02 16:59:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	138755	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	572841	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	294547	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	567562	20.00	ng	0.00
76) Chrysene-d12	14.03	240	411870	20.00	ng	0.00
87) Perylene-d12	15.50	264	264085	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	730725	88.16	ng	0.02
7) Phenol-d6	6.49	99	922725	88.24	ng	0.00
23) Nitrobenzene-d5	7.42	82	845692	85.22	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	265774	93.07	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1494747	95.05	ng	0.00
79) Terphenyl-d14	12.97	244	1664494	85.16	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.71	88	159409	38.070	ng	100
3) Pyridine	3.46	79	368173	31.476	ng	98
4) n-Nitrosodimethylamine	3.40	42	184602	39.992	ng	98
6) Aniline	6.52	93	372948	24.903	ng	95
8) 2-Chlorophenol	6.65	128	408039	44.519	ng	97
9) Benzaldehyde	6.40	77	46965	6.509	ng	99
10) Phenol	6.50	94	521858	42.377	ng	96
11) bis(2-Chloroethyl)ether	6.59	93	389407	43.010	ng	99
12) 1,3-Dichlorobenzene	6.79	146	415252	39.203	ng	97
13) 1,4-Dichlorobenzene	6.87	146	423314	39.913	ng	99
14) 1,2-Dichlorobenzene	7.03	146	398222	40.777	ng	98
15) Benzyl Alcohol	7.00	79	357948	45.104	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	518845	42.014	ng	94
17) 2-Methylphenol	7.11	107	350089	45.110	ng	99
18) Hexachloroethane	7.36	117	155769	39.891	ng	95
19) n-Nitroso-di-n-propylamine	7.27	70	279209	43.086	ng	100
20) 3+4-Methylphenols	7.26	107	416016	45.298	ng	# 88
22) Acetophenone	7.26	105	557710	44.392	ng	98
24) Nitrobenzene	7.43	77	451356	42.122	ng	99
25) Isophorone	7.67	82	820969	43.263	ng	100
26) 2-Nitrophenol	7.75	139	226375	44.817	ng	99
27) 2,4-Dimethylphenol	7.79	122	368108	48.439	ng	98
28) bis(2-Chloroethoxy)methane	7.88	93	507616	43.158	ng	99
29) 2,4-Dichlorophenol	8.00	162	358803	44.717	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	378699	41.404	ng	98
31) Naphthalene	8.16	128	1173471	43.532	ng	100
32) Benzoic acid	7.94	122	257717	48.102	ng	98
33) 4-Chloroaniline	8.20	127	343496	28.519	ng	99
34) Hexachlorobutadiene	8.27	225	214217	40.661	ng	99
35) Caprolactam	8.59	113	115599m	44.545	ng	
36) 4-Chloro-3-methylphenol	8.70	107	378808	45.381	ng	97
37) 2-Methylnaphthalene	8.85	142	790273	44.514	ng	99
38) 1-Methylnaphthalene	8.95	142	744770	44.344	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	363092	46.110	ng	100

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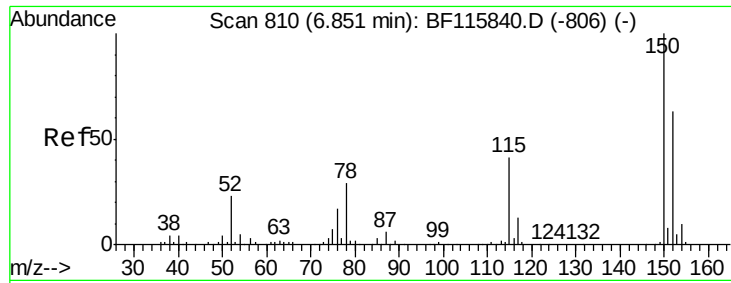
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 8/8/2019 4:44:00 PM

Quant Time: Aug 02 16:59:29 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	173299	51.316	ng	100
43) 2,4,6-Trichlorophenol	9.13	196	243258	44.881	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	258370	46.115	ng	98
46) 1,1'-Biphenyl	9.32	154	974671	46.871	ng	100
47) 2-Chloronaphthalene	9.35	162	759779	43.899	ng	100
48) 2-Nitroaniline	9.44	65	244524	42.743	ng	91
49) Acenaphthylene	9.76	152	1158864	45.896	ng	100
50) Dimethylphthalate	9.62	163	896691	44.711	ng	99
51) 2,6-Dinitrotoluene	9.68	165	201093	46.139	ng	89
52) Acenaphthene	9.93	154	690660	44.586	ng	100
53) 3-Nitroaniline	9.85	138	192052	35.662	ng	90
54) 2,4-Dinitrophenol	9.97	184	189272	84.858	ng	93
55) Dibenzofuran	10.10	168	1035014	45.945	ng	97
56) 4-Nitrophenol	10.03	139	311446	90.278	ng	96
57) 2,4-Dinitrotoluene	10.09	165	261234	45.018	ng	95
58) Fluorene	10.45	166	798230	46.056	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	221744	47.043	ng	99
60) Diethylphthalate	10.32	149	859005	45.877	ng	99
61) 4-Chlorophenyl-phenylether	10.43	204	399026	45.459	ng	98
62) 4-Nitroaniline	10.47	138	225786	40.569	ng	99
63) Azobenzene	10.60	77	892917	46.364	ng	97
65) 4,6-Dinitro-2-methylphenol	10.50	198	132365	44.009	ng	95
66) n-Nitrosodiphenylamine	10.56	169	714364	41.817	ng	99
67) 4-Bromophenyl-phenylether	10.93	248	249593	41.080	ng	92
68) Hexachlorobenzene	11.00	284	277279	39.467	ng	93
69) Atrazine	11.08	200	208774	37.148	ng	98
70) Pentachlorophenol	11.20	266	286724	84.061	ng	99
71) Phenanthrene	11.41	178	1192414	41.096	ng	100
72) Anthracene	11.46	178	1221073	41.583	ng	98
73) Carbazole	11.62	167	1120176	42.047	ng	100
74) Di-n-butylphthalate	11.94	149	1360326	43.772	ng	99
75) Fluoranthene	12.60	202	1280290	42.148	ng	98
77) Benzidine	12.72	184	204803	14.718	ng	97
78) Pyrene	12.83	202	1314743	42.346	ng	100
80) Butylbenzylphthalate	13.44	149	590264	44.945	ng	100
81) Benzo(a)anthracene	14.02	228	1114272	42.327	ng	99
82) 3,3'-Dichlorobenzidine	13.97	252	333861	36.504	ng	99
83) Chrysene	14.06	228	1090412	42.665	ng	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	822124	48.172	ng	100
85) Di-n-octyl phthalate	14.61	149	1307899	48.248	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	892667	41.586	ng	98
88) Benzo(b)fluoranthene	15.07	252	1029190m	67.401	ng	
89) Benzo(k)fluoranthene	15.10	252	908676	61.096	ng	98
90) Benzo(a)pyrene	15.44	252	894771	65.551	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	768124	65.010	ng	99
92) Benzo(g,h,i)perylene	17.43	276	743154	64.043	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

ClientSampleId :

PB121887BS

Tot Ion:152 Resp: 138755

Ion Ratio Lower Upper

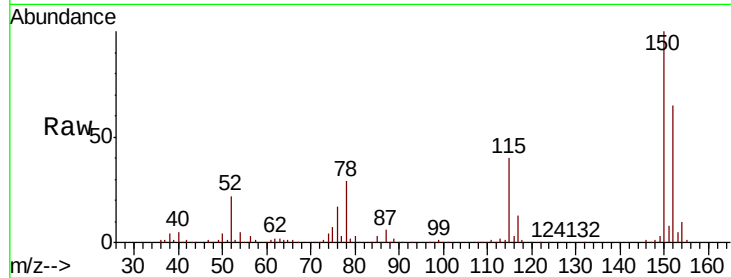
152 100

150 154.9 127.4 191.0

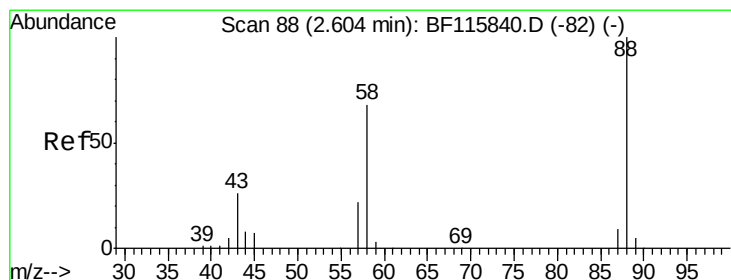
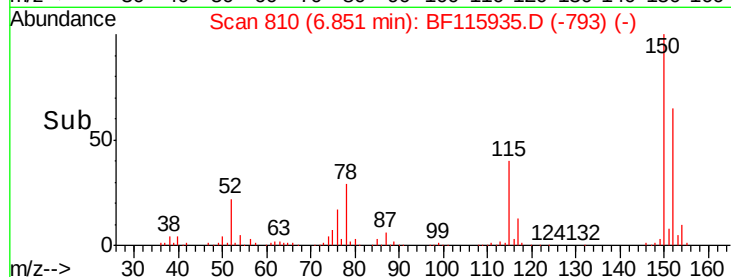
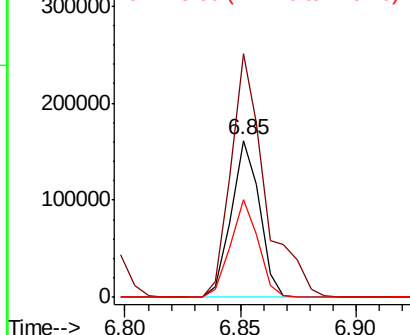
115 61.9 51.8 77.8

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 38.070 ng

RT: 2.71 min Scan# 106

Delta R.T. 0.11 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

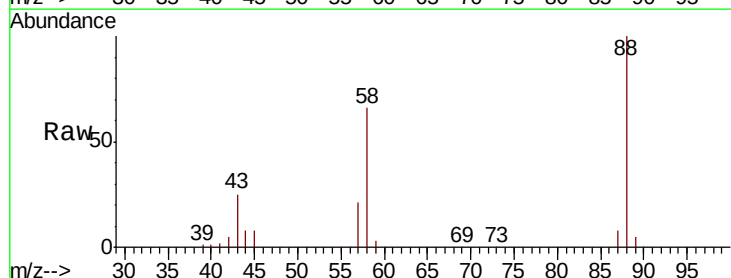
Tgt Ion: 88 Resp: 159409

Ion Ratio Lower Upper

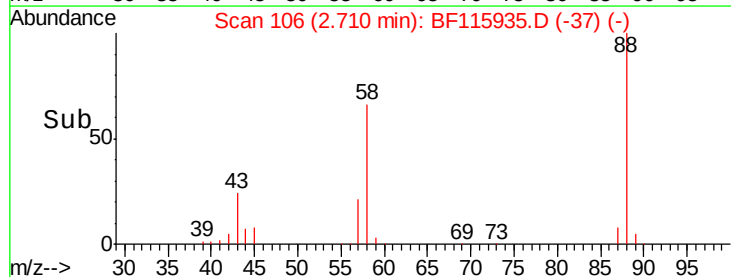
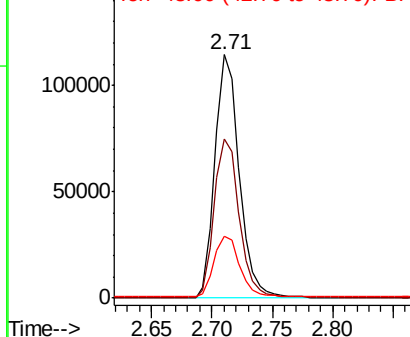
88 100

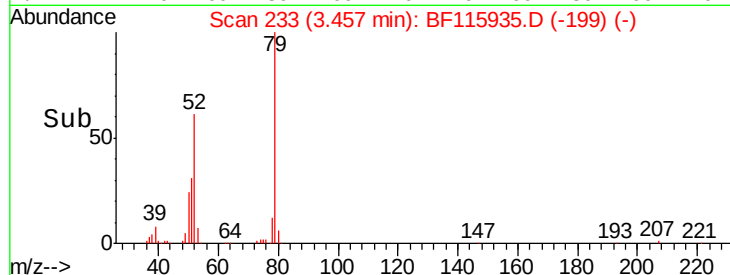
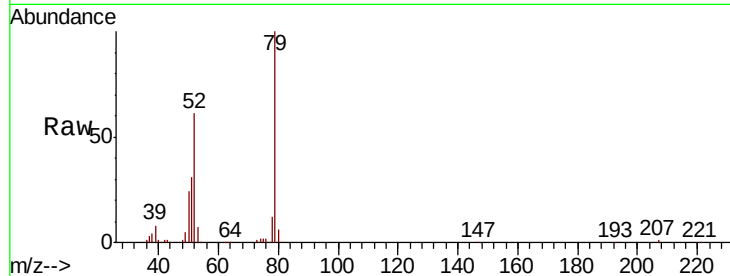
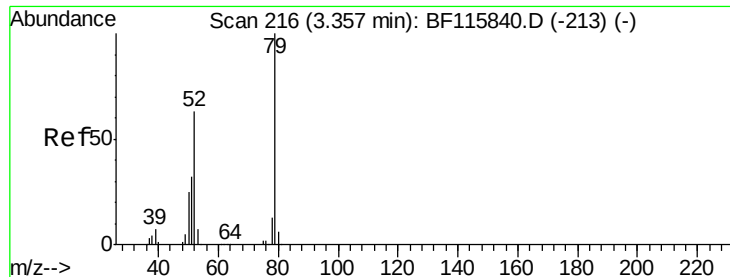
58 67.7 54.1 81.1

43 26.3 20.7 31.1



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





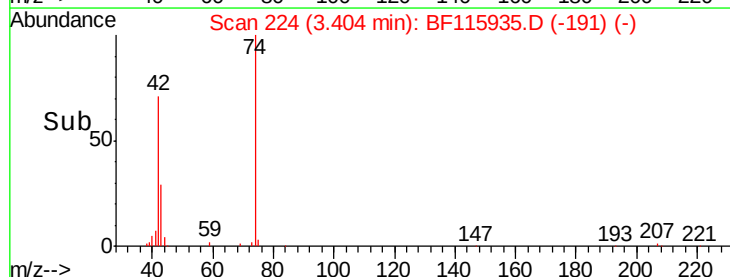
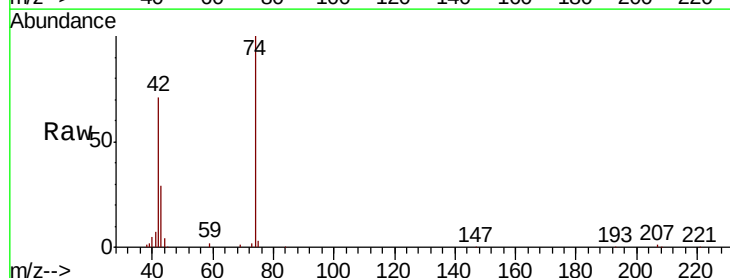
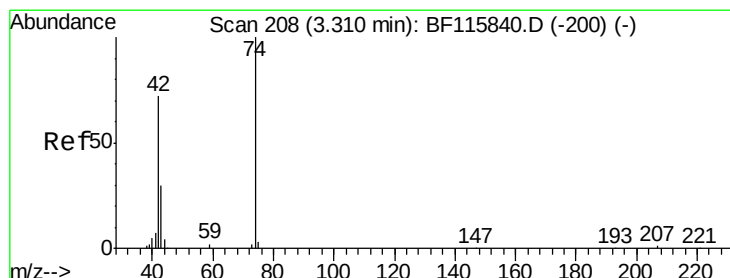
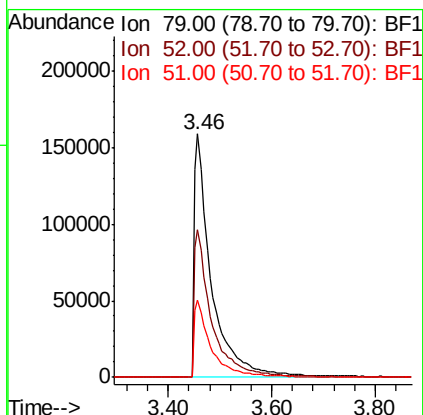
#3
Pvridine
Concen: 31.476 ng
RT: 3.46 min Scan# 233
Delta R.T. 0.10 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tot Ion	Ratio	Resp	Lower	Upper
79	100	368173		
52	60.8		50.2	75.4
51	31.5		25.8	38.6

Instrument :
BNA_F
ClientSampleId :
PB121887BS

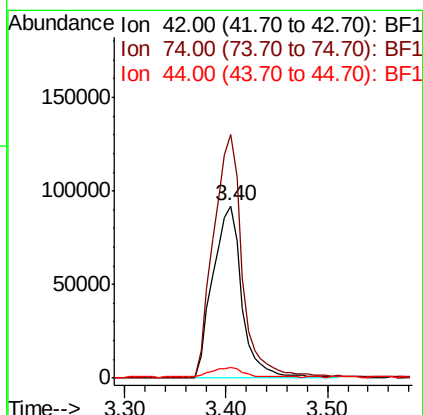
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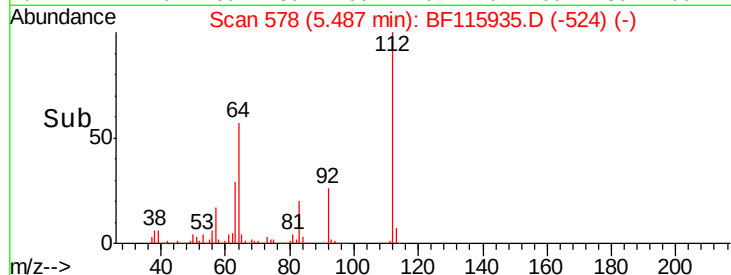
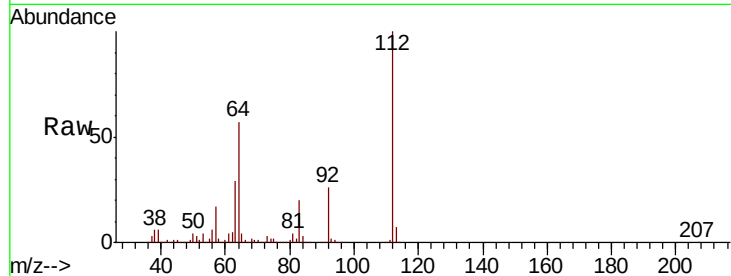
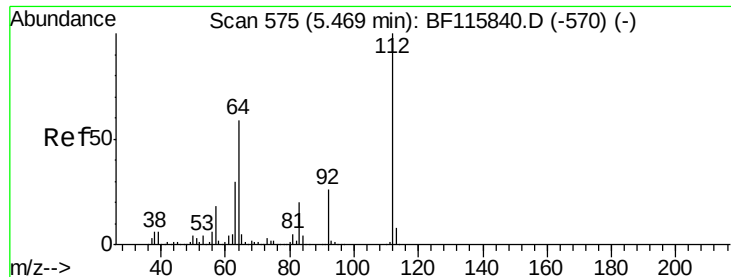
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#4
n-Nitrosodimethylamine
Concen: 39.992 ng
RT: 3.40 min Scan# 224
Delta R.T. 0.09 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	184602		
74	141.5		111.0	166.4
44	6.3		4.7	7.1





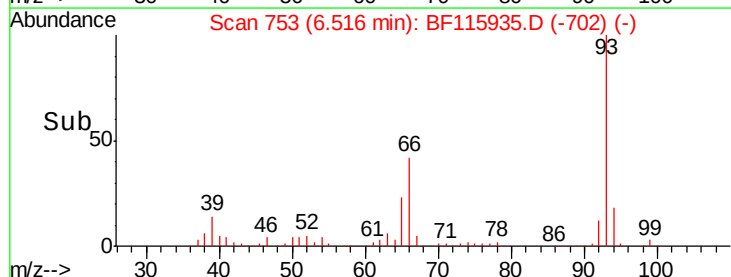
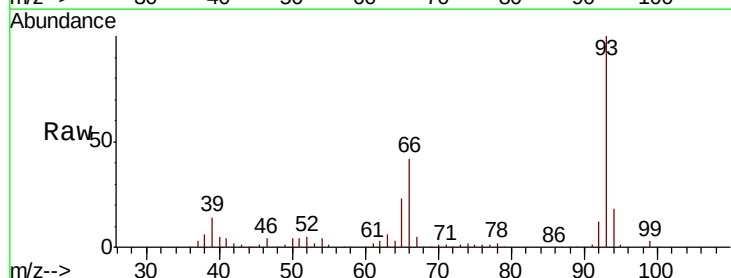
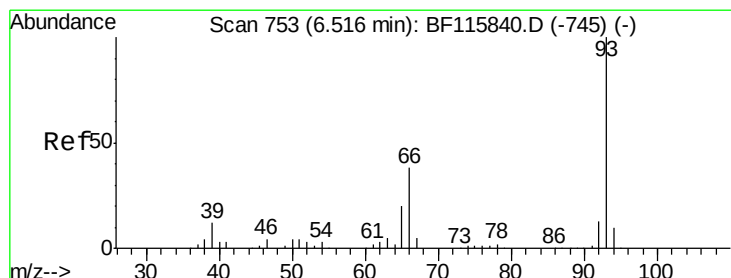
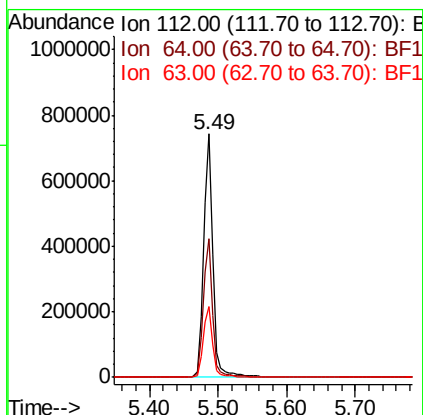
#5
2-Fluorophenol
Concen: 88.161 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tot Ion	Ratio	Resp	Lower	Upper
112	100	730725		
64	57.0	46.8	70.2	
63	29.3	24.2	36.2	

Instrument :
BNA_F
ClientSampled :
PB121887BS

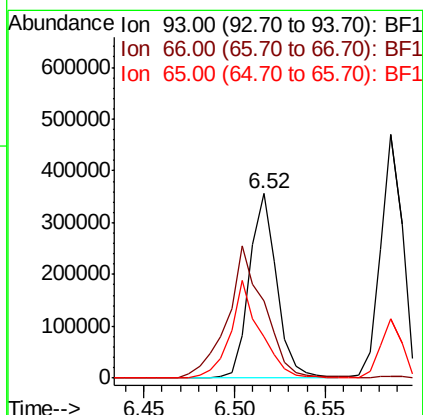
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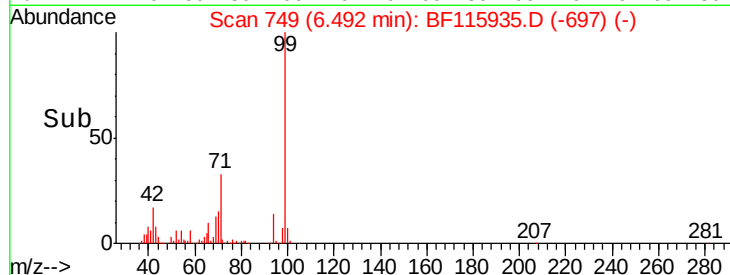
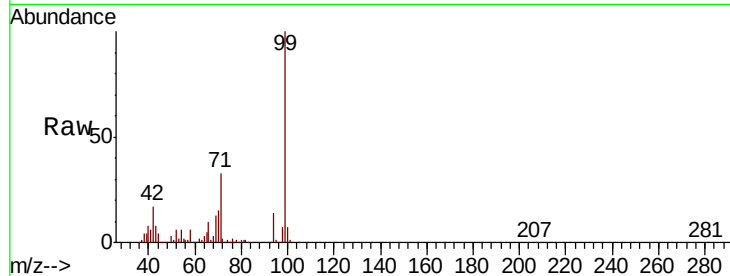
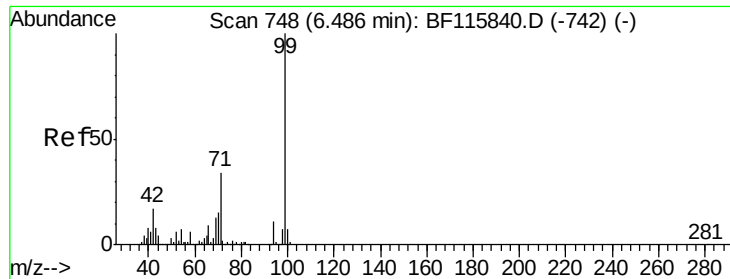
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#6
Aniline
Concen: 24.903 ng
RT: 6.52 min Scan# 753
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	372948		
66	42.3	31.4	47.0	
65	22.5	16.5	24.7	





#7

Phenol-d6

Concen: 88.236 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tot Ion:	99	Resp:	922725
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.8	20.6
71	32.9	27.1	40.7

Instrument :

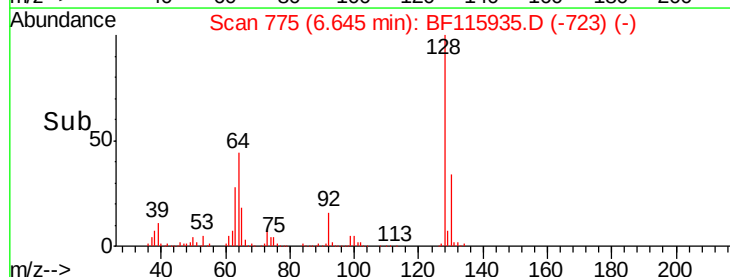
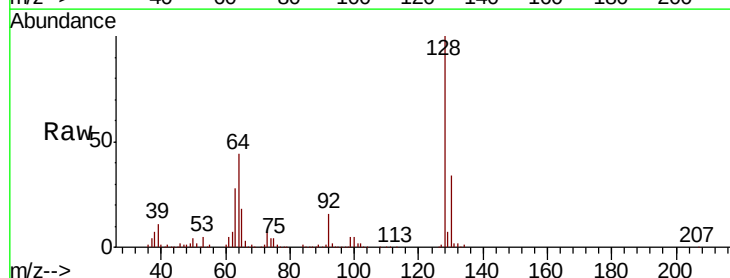
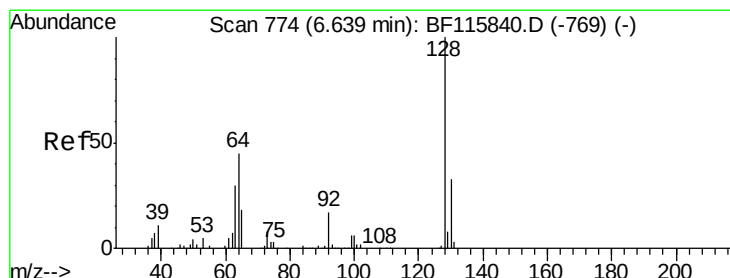
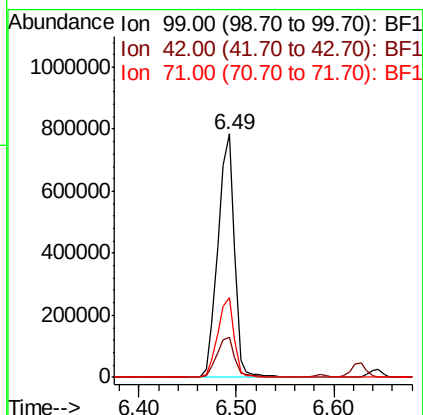
BNA_F

ClientSampled :

PB121887BS

Manual Integrations
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#8

2-Chlorophenol

Concen: 44.519 ng

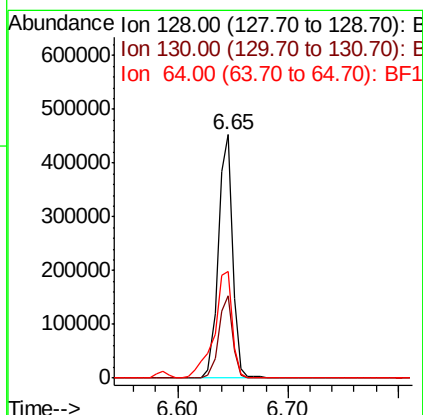
RT: 6.65 min Scan# 775

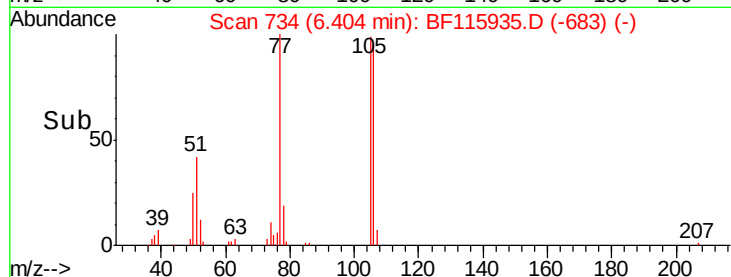
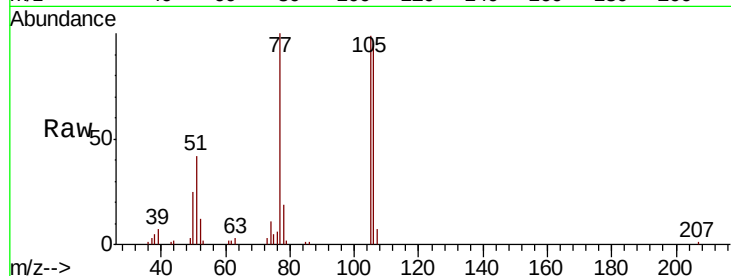
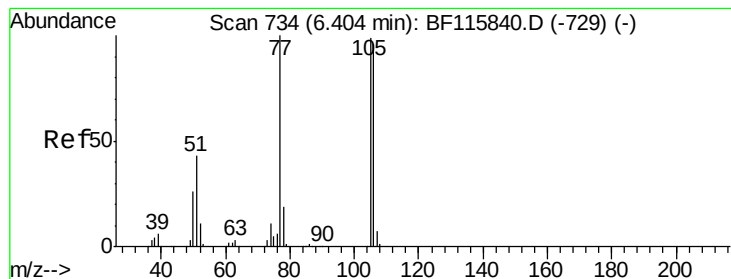
Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tgt Ion:	128	Resp:	408039
Ion Ratio	Lower	Upper	
128	100		
130	33.7	12.9	52.9
64	43.8	26.1	66.1





#9

Benzaldehyde

Concen: 6.509 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tot Ion:	77	Resp:	46965
Ion	Ratio	Lower	Upper
77	100		
105	98.6	79.0	119.0
106	95.3	76.2	116.2

Instrument :

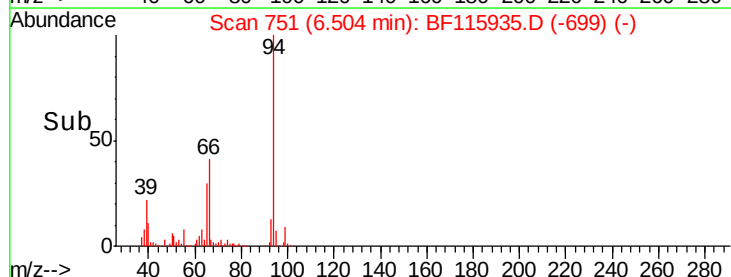
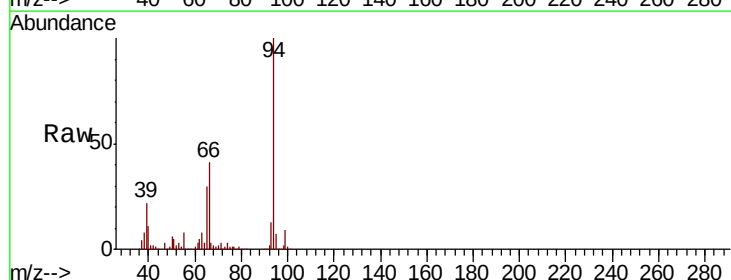
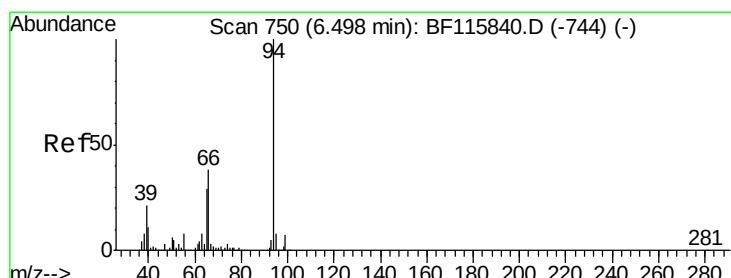
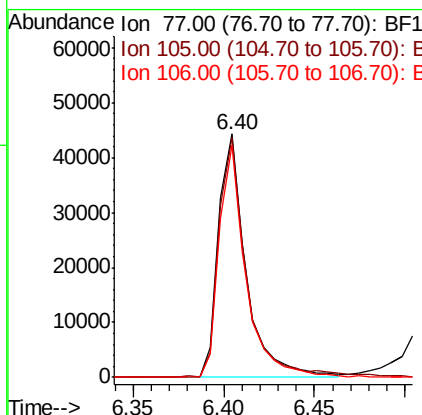
BNA_F

ClientSampleId :

PB121887BS

Manual Integrations
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#10

Phenol

Concen: 42.377 ng

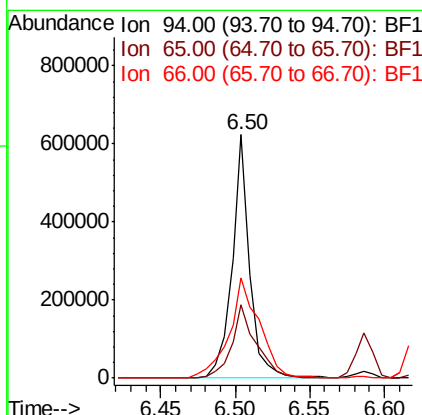
RT: 6.50 min Scan# 751

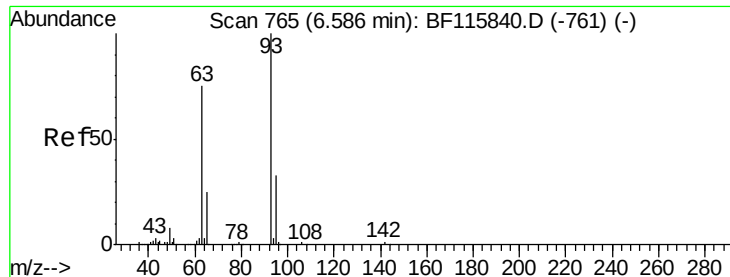
Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tgt Ion:	94	Resp:	521858
Ion	Ratio	Lower	Upper
94	100		
65	30.4	8.9	48.9
66	41.1	18.0	58.0





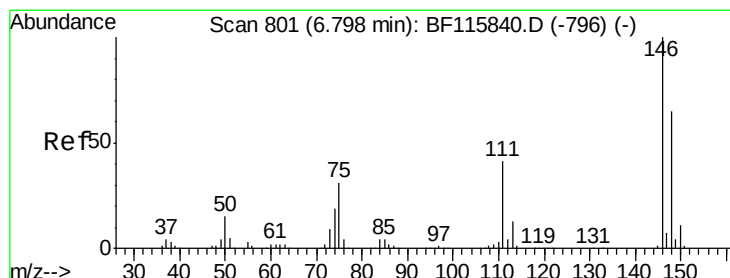
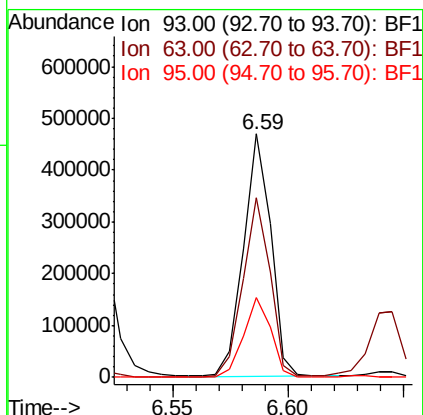
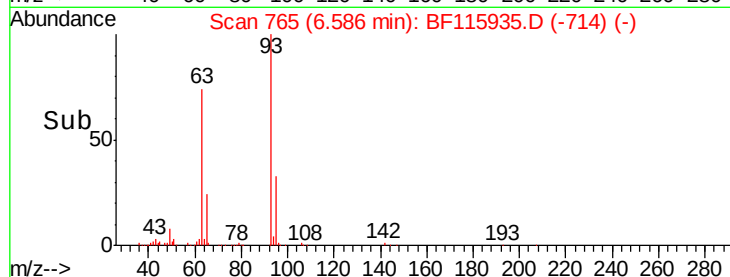
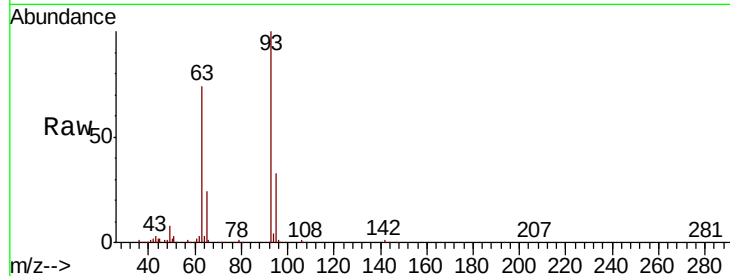
#11
bis(2-Chloroethyl)ether
Concen: 43.010 ng
RT: 6.59 min Scan# 765
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion:	93	Resp:	389407
Ion Ratio	Lower	Upper	
93	100		
63	74.0	54.9	94.9
95	33.0	13.3	53.3

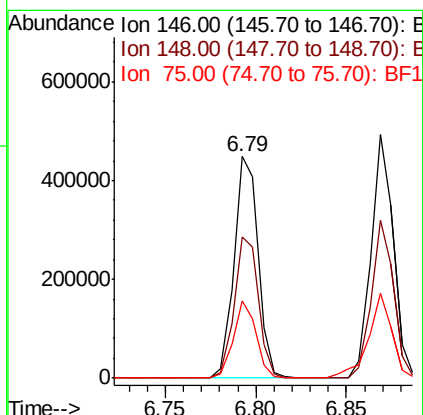
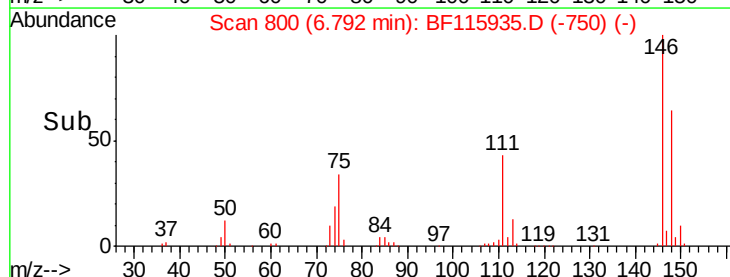
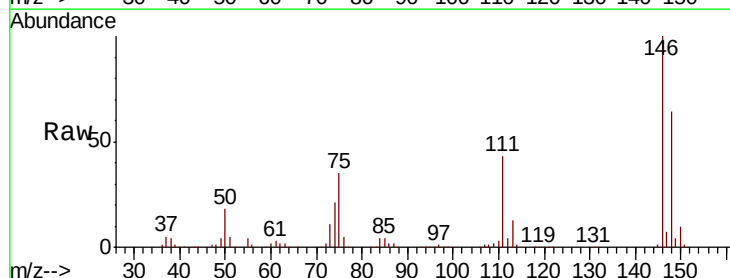
Manual Integrations
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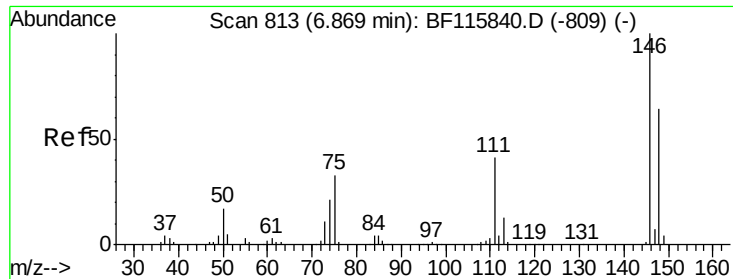
mohammad
8/8/2019 4:44:00 PM



#12
1,3-Dichlorobenzene
Concen: 39.203 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion:	146	Resp:	415252
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.1	78.1
75	34.8	25.0	37.6





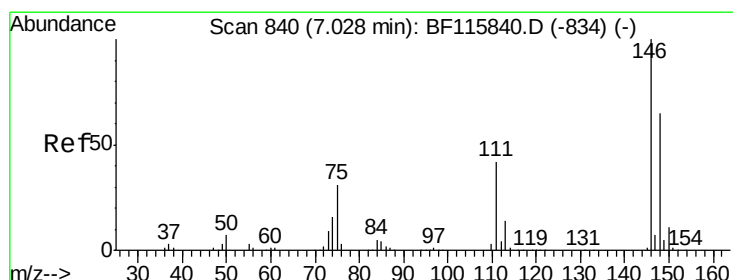
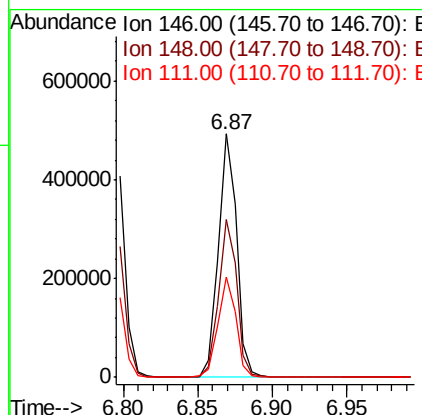
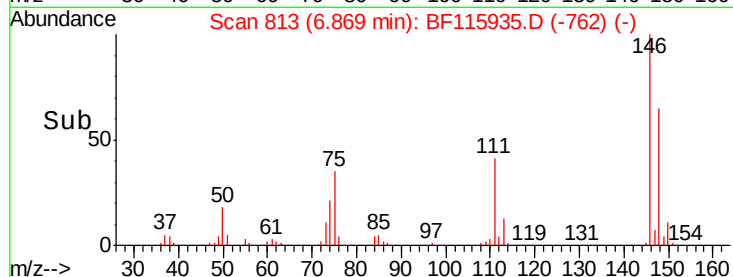
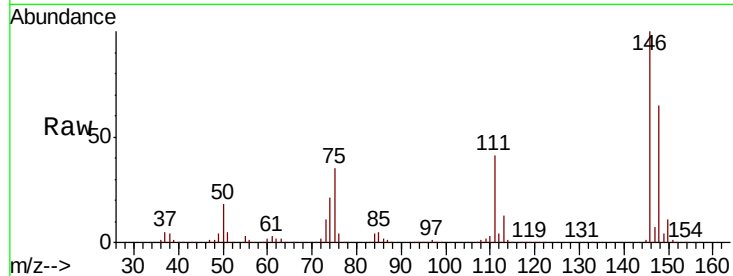
#13
 1,4-Dichlorobenzene
 Concen: 39.913 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.2	76.8
111	41.4	33.2	49.8

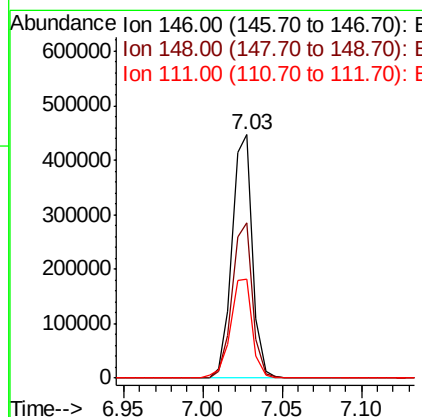
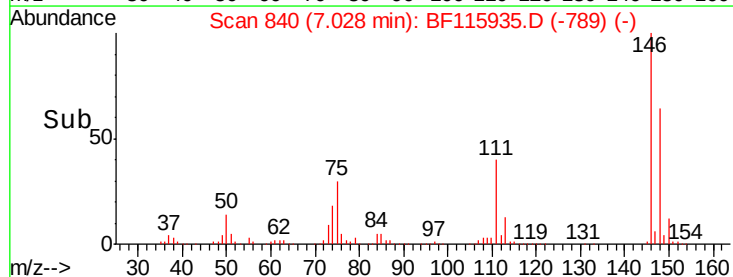
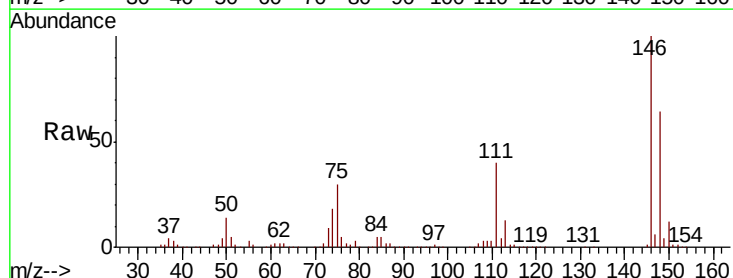
Manual Integrations
 APPROVED

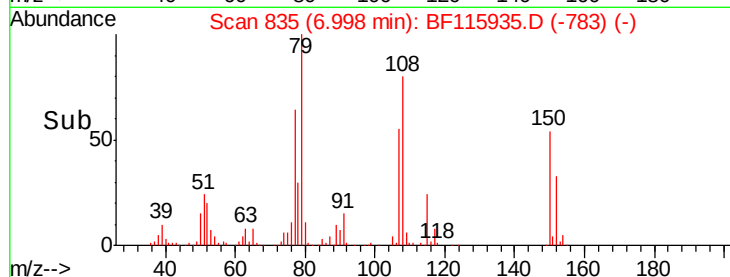
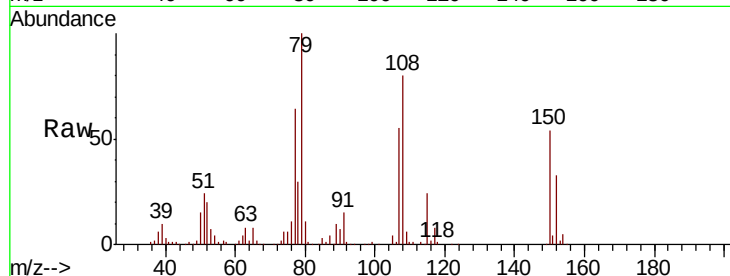
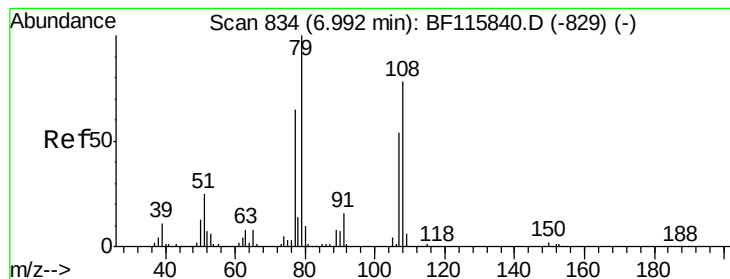
mohammad
 8/8/2019 4:44:00 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.777 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.6	77.4
111	40.4	33.6	50.4





#15

Benzyl Alcohol

Concen: 45.104 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tot Ion:	79	Resp:	357948
Ion Ratio	Lower	Upper	
79	100		
108	80.0	62.8	94.2
77	64.1	52.0	78.0

Instrument :

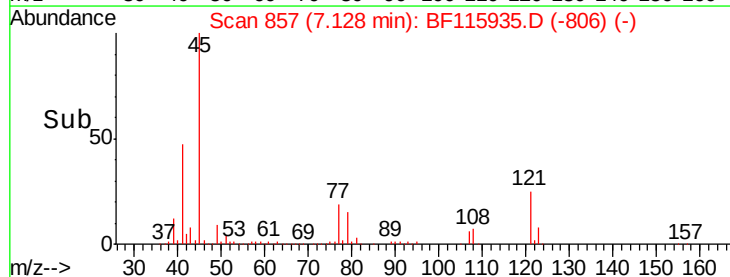
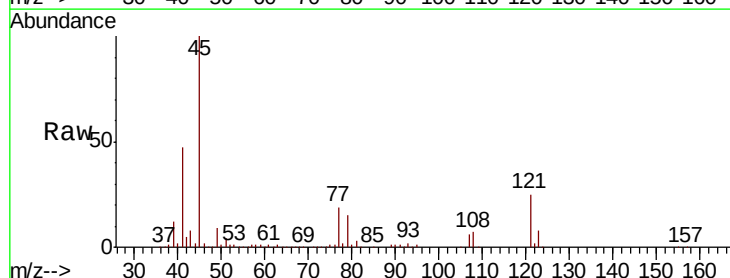
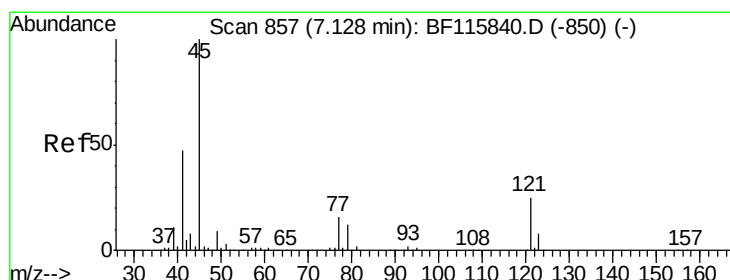
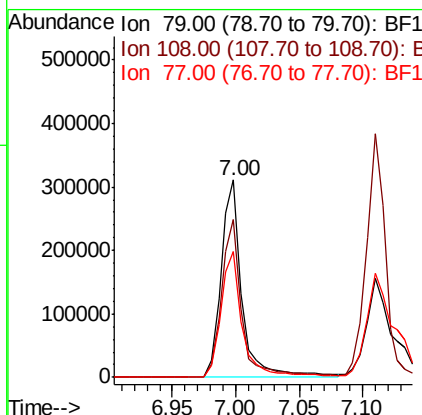
BNA_F

ClientSampled :

PB121887BS

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.014 ng

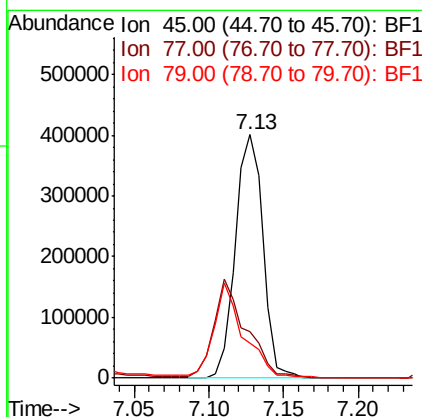
RT: 7.13 min Scan# 857

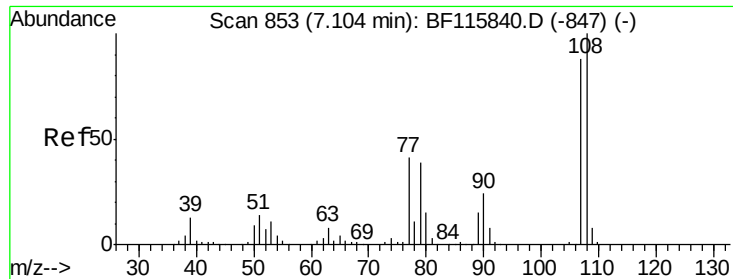
Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tgt Ion:	45	Resp:	518845
Ion Ratio	Lower	Upper	
45	100		
77	18.8	0.0	36.3
79	14.5	0.0	32.5





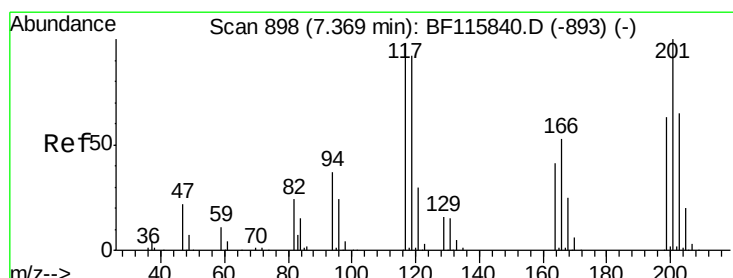
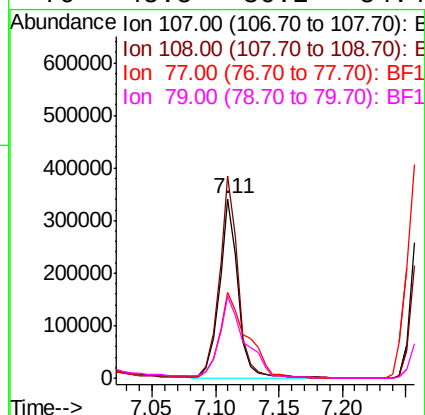
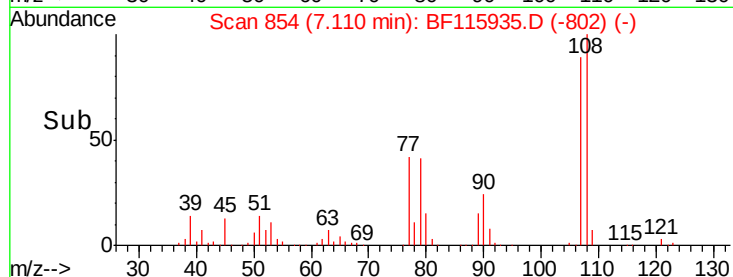
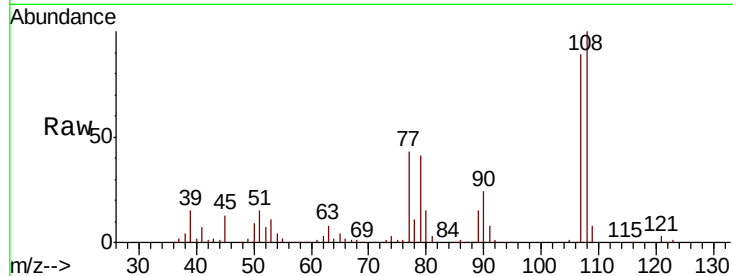
#17
2-Methylphenol
Concen: 45.110 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.2	91.4	137.0	
77	47.7	37.6	56.4	
79	45.5	36.2	54.4	

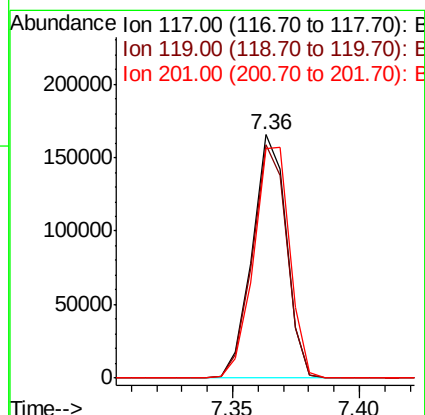
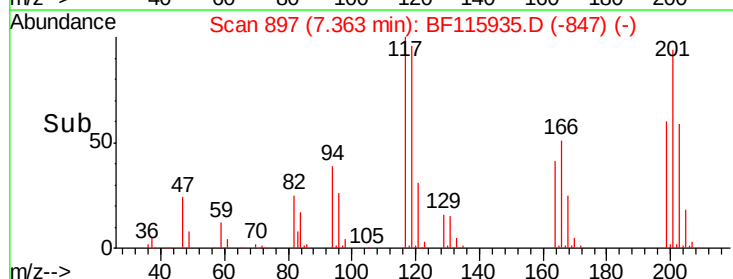
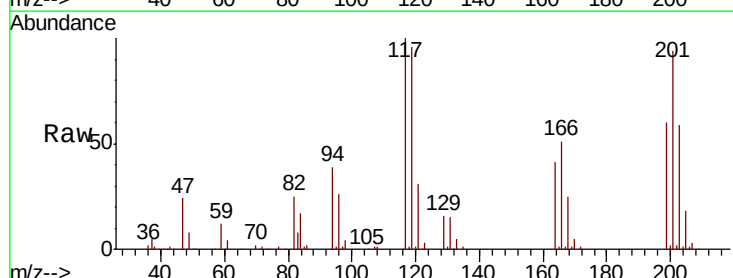
Manual Integrations
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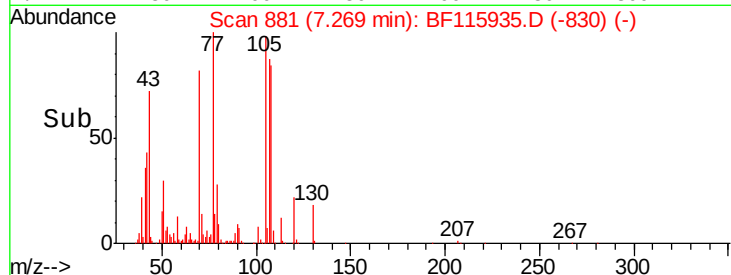
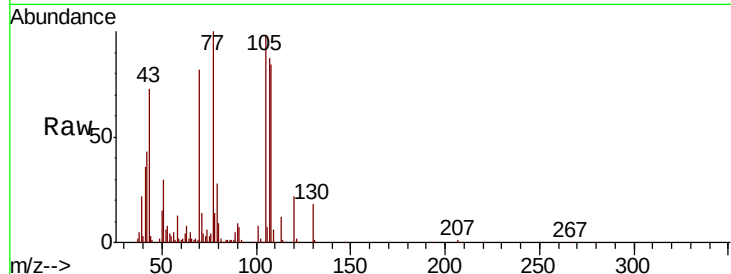
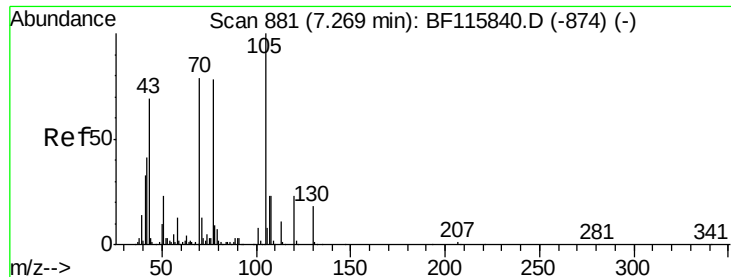
mohammad
8/8/2019 4:44:00 PM



#18
Hexachloroethane
Concen: 39.891 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.8	75.8	113.6	
201	94.3	82.0	123.0	





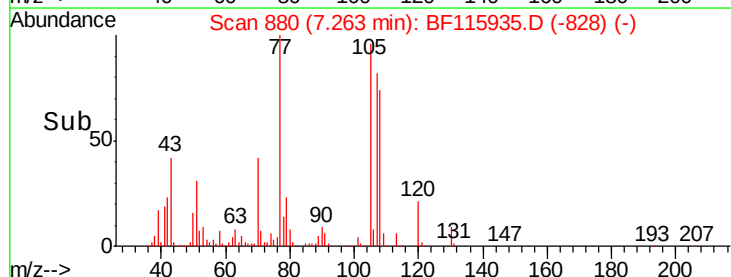
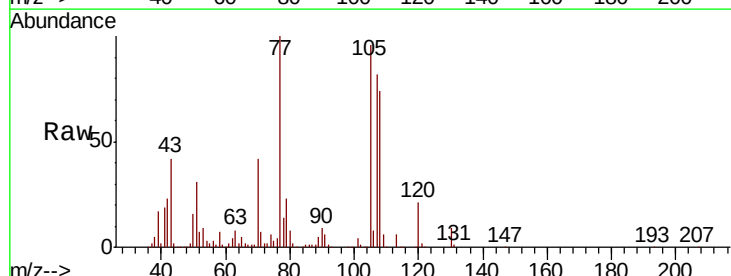
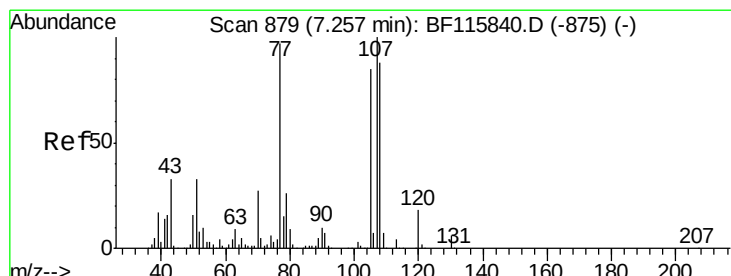
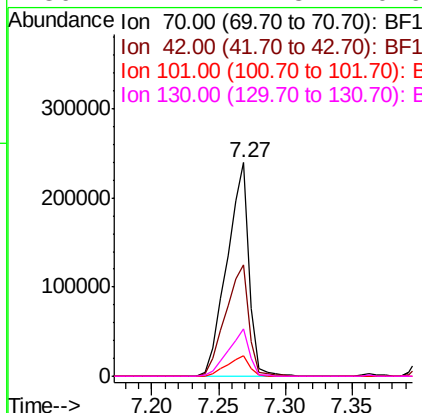
#19
n-Nitroso-di-n-propylamine
Concen: 43.086 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	52.4	41.8	62.8	
101	9.7	7.7	11.5	
130	22.4	17.8	26.6	

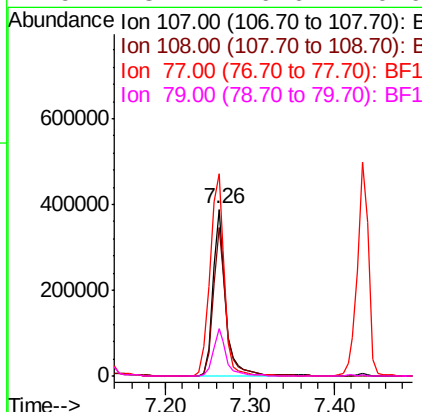
Manual Integrations
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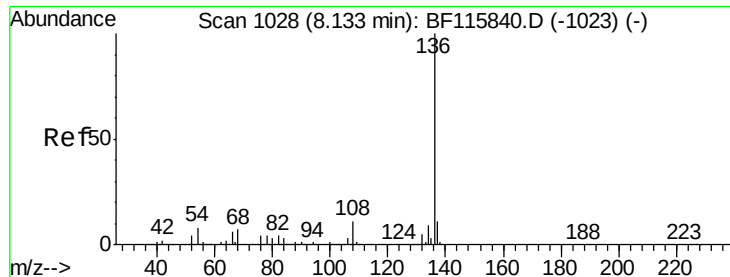
mohammad
8/8/2019 4:44:00 PM



#20
3+4-Methylphenols
Concen: 45.298 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	89.2	67.9	107.9	
77	121.2	77.3	117.3#	
79	28.4	6.6	46.6	





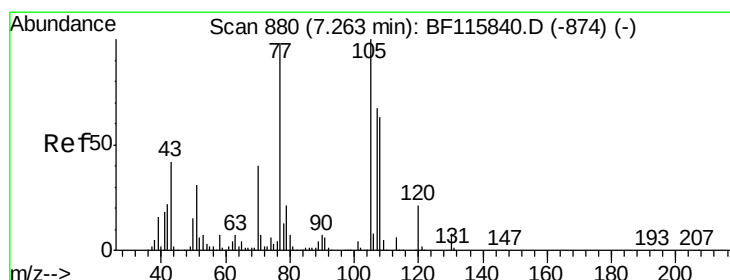
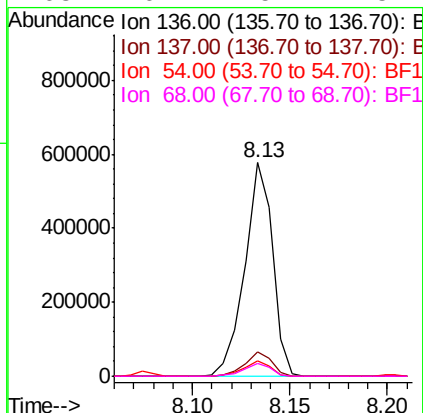
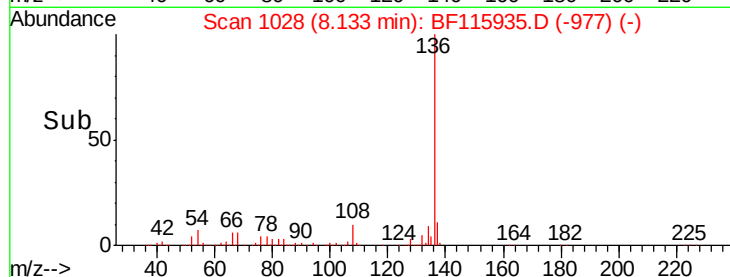
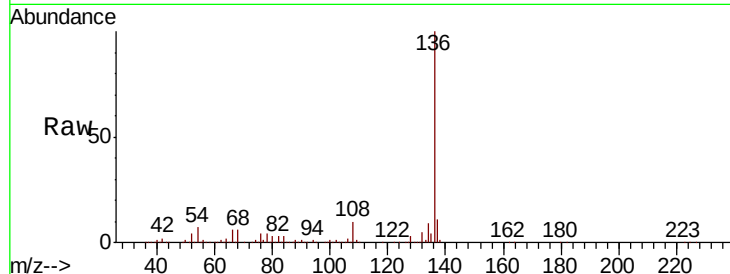
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	572841		
137	11.3		9.1	13.7
54	7.5		6.1	9.1
68	6.2		5.4	8.2

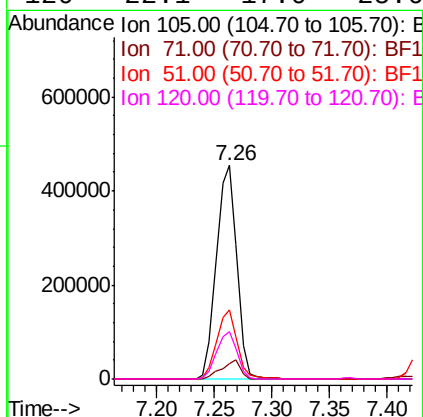
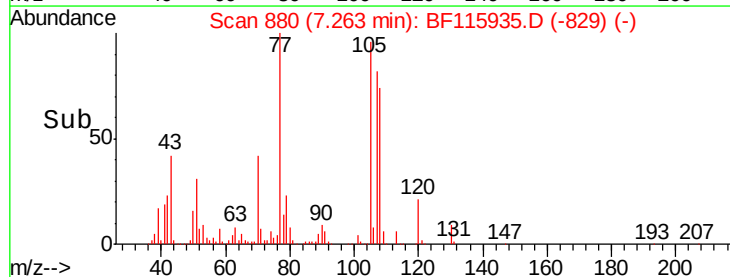
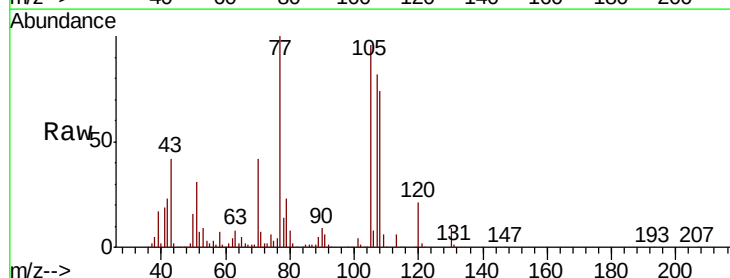
Manual Integrations
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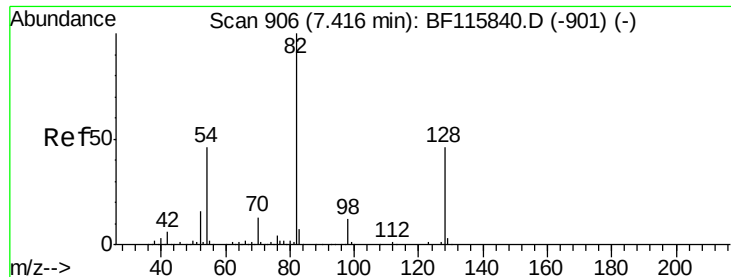
mohammad
8/8/2019 4:44:00 PM



#22
Acetophenone
Concen: 44.392 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	557710		
71	7.3		5.4	8.0
51	32.2		24.6	36.8
120	22.1		17.0	25.6





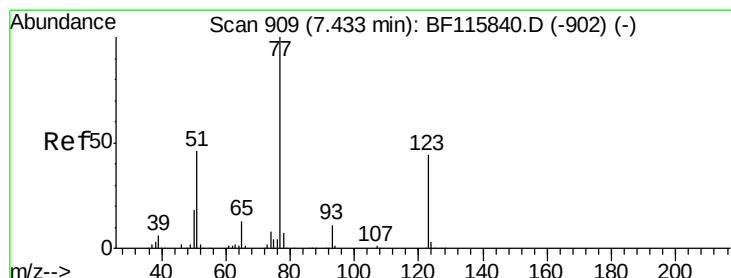
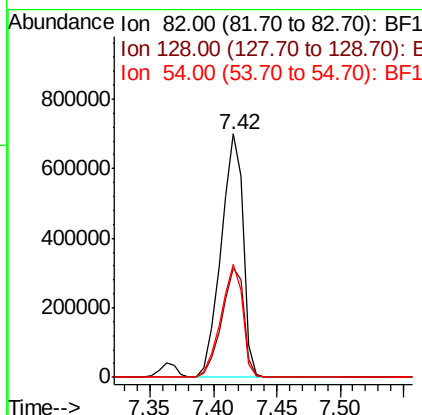
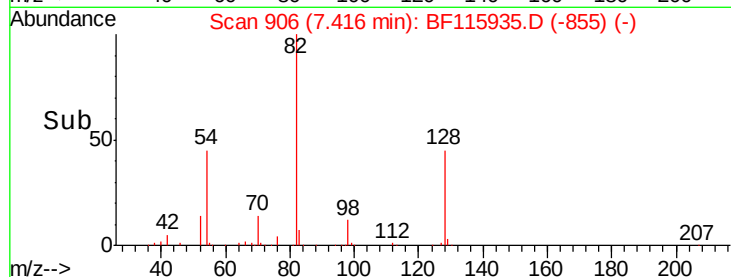
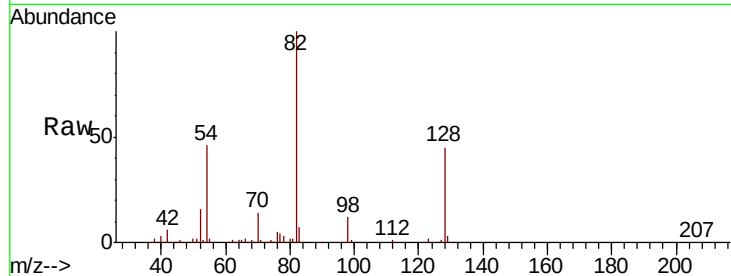
#23
Nitrobenzene-d5
Concen: 85.217 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.6	55.0
54	46.2	36.6	55.0

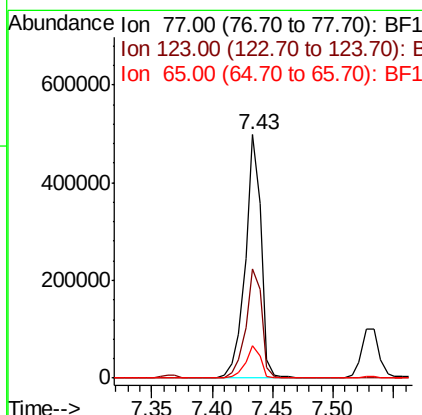
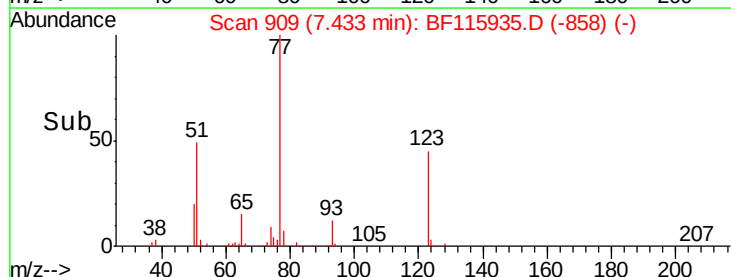
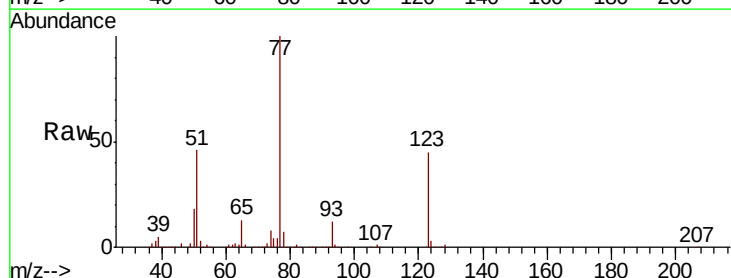
Manual Integrations
APPROVED

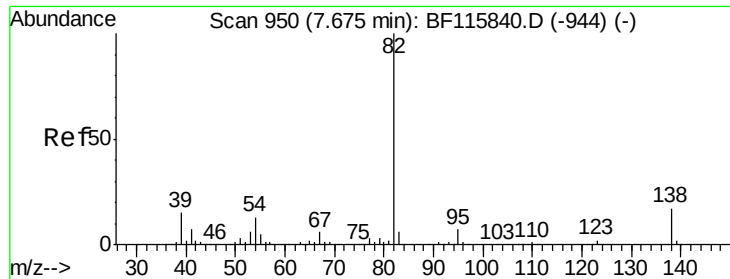
mohammad
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#24
Nitrobenzene
Concen: 42.122 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.0	35.5	53.3
65	13.3	10.6	15.8





#25

Isophorone

Concen: 43.263 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

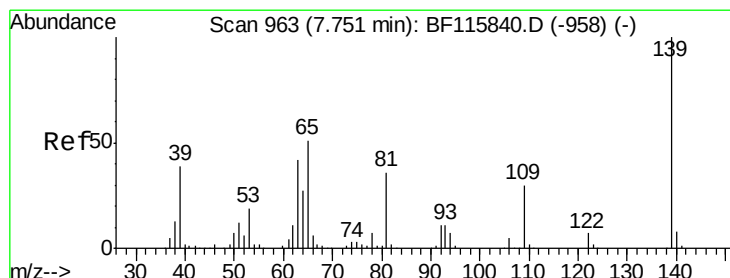
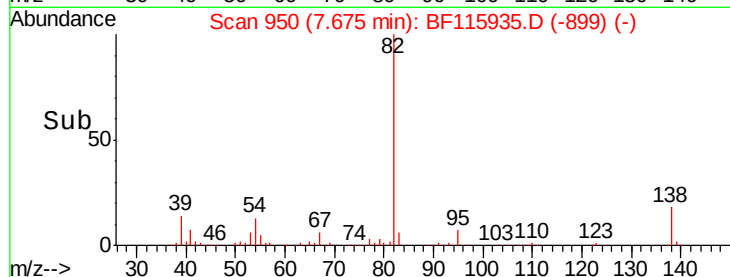
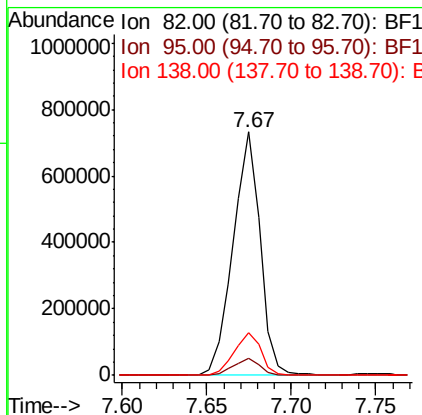
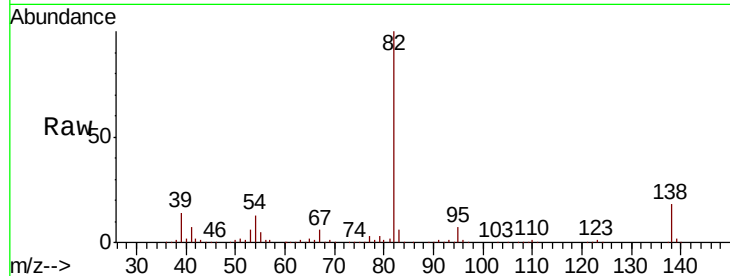
ClientSampleId :

PB121887BS

Tot Ion	82	Resp	820969
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.5	13.9	20.9

Manual Integrations
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#26

2-Nitrophenol

Concen: 44.817 ng

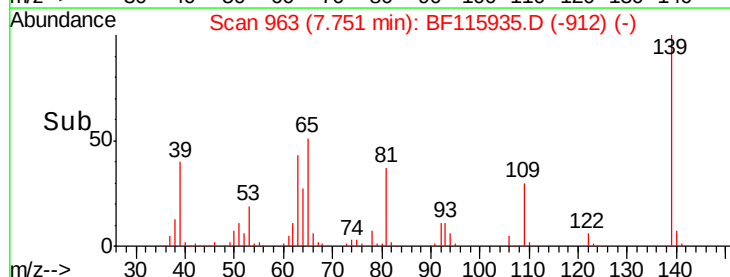
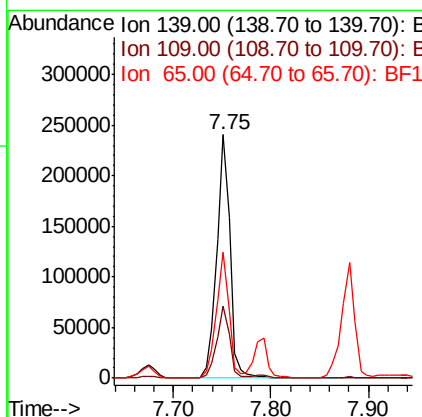
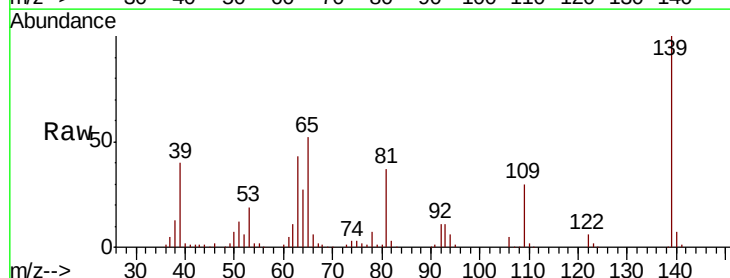
RT: 7.75 min Scan# 963

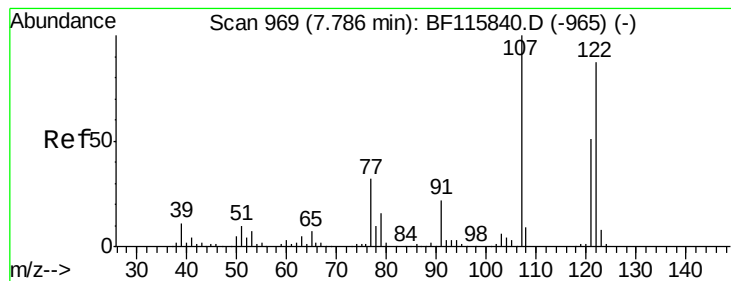
Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tgt Ion	139	Resp	226375
Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.6	35.4
65	51.7	40.6	60.8





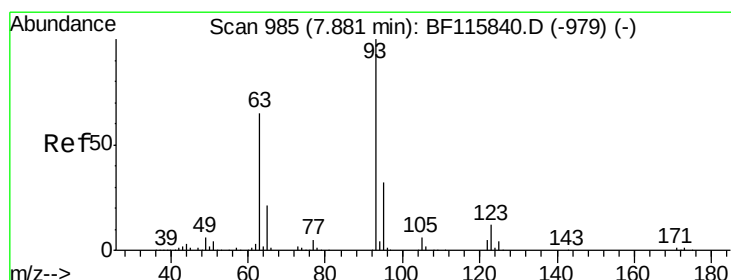
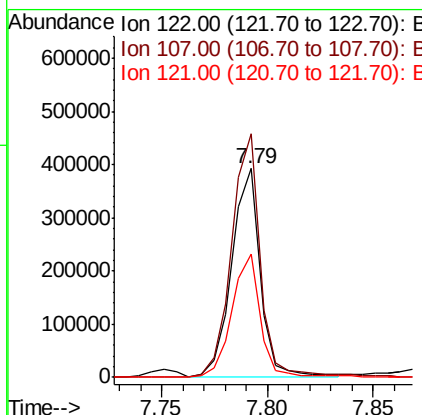
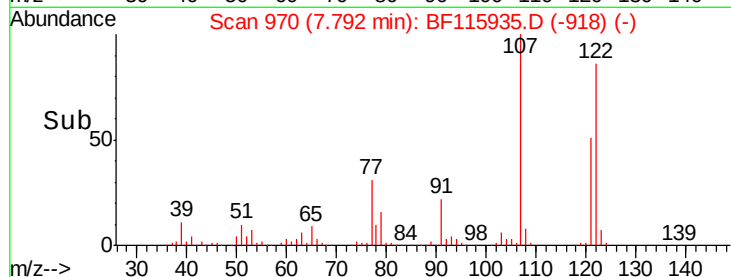
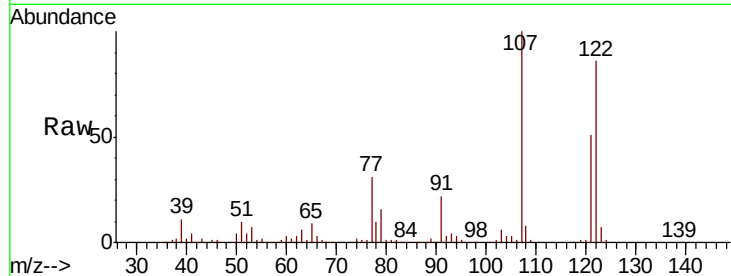
#27
 2,4-Dimethylphenol
 Concen: 48.439 ng
 RT: 7.79 min Scan# 970
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	368108		
107	116.5	91.7	137.5	
121	59.1	46.6	70.0	

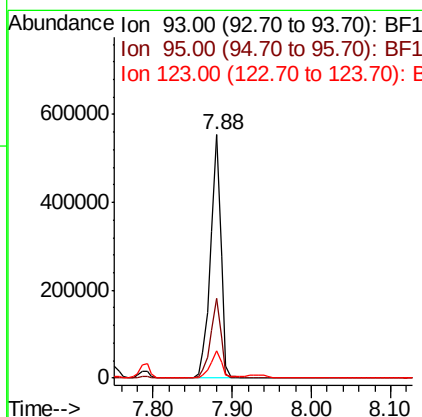
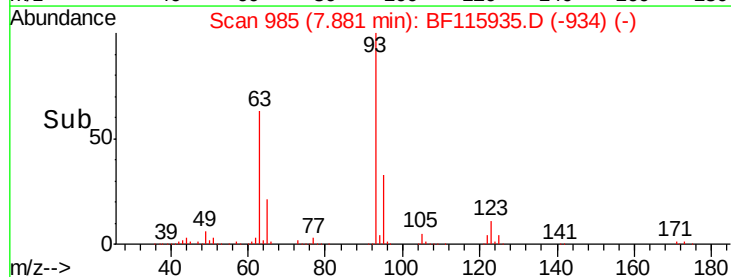
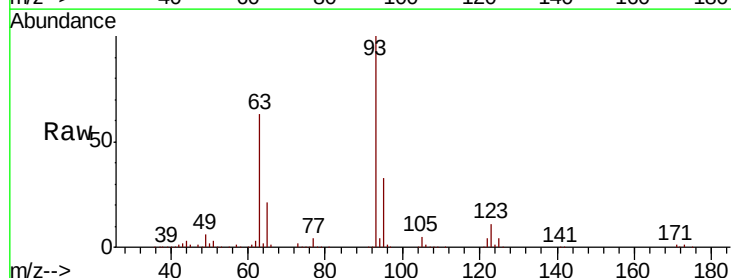
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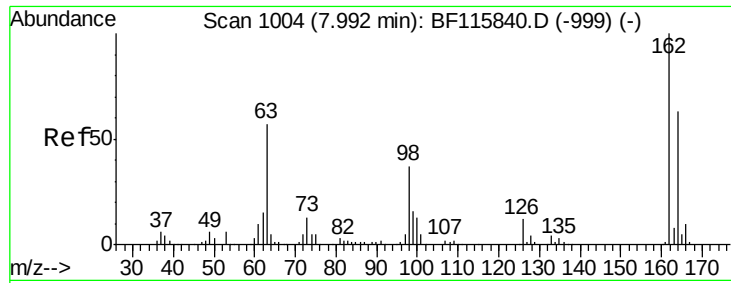
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 43.158 ng
 RT: 7.88 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	507616		
95	32.6	26.0	39.0	
123	11.4	9.5	14.3	





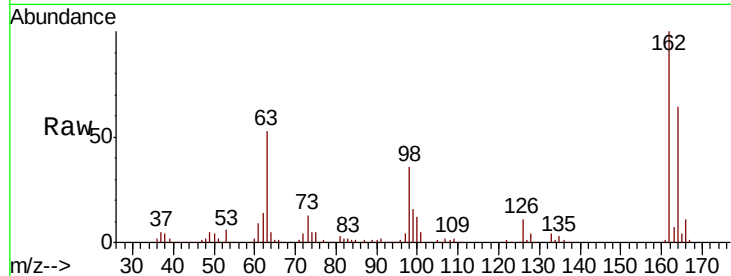
#29
 2,4-Dichlorophenol
 Concen: 44.717 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	358803		
164	63.6	43.2	83.2	
98	36.0	17.3	57.3	

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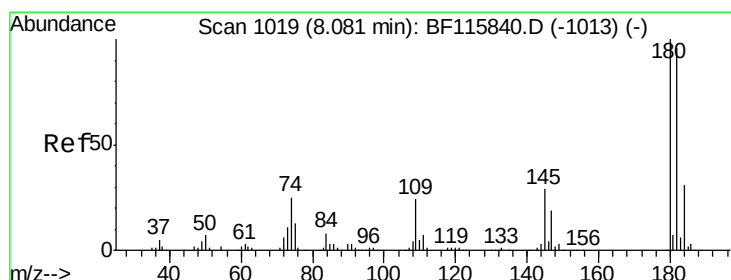
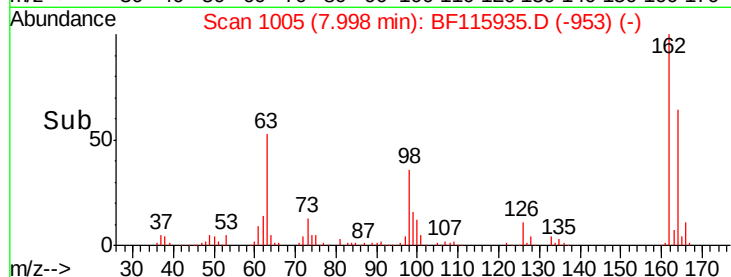
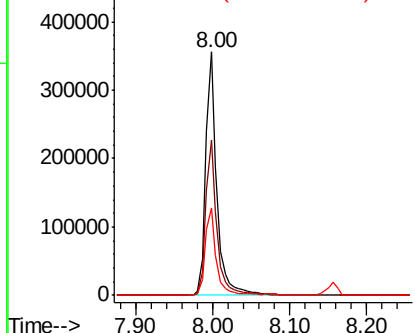


Abundance

Ion 162.00 (161.70 to 162.70): E

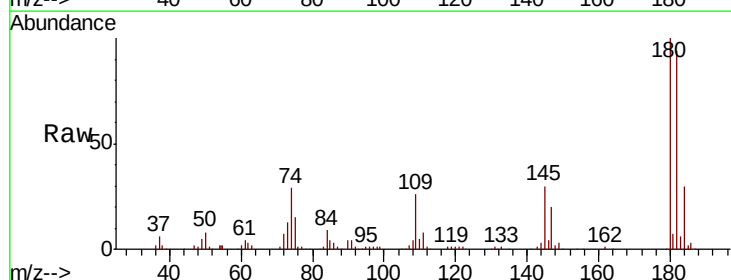
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 41.404 ng
 RT: 8.07 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	378699		
182	94.0	76.6	114.8	
145	30.3	23.2	34.8	

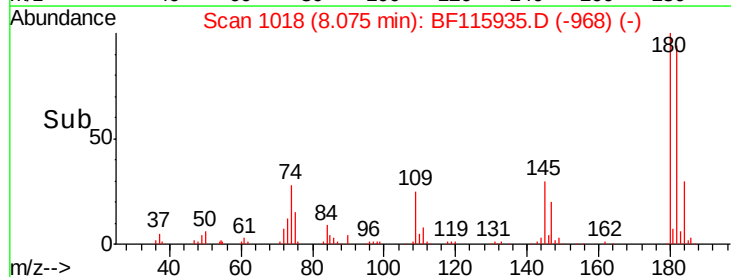
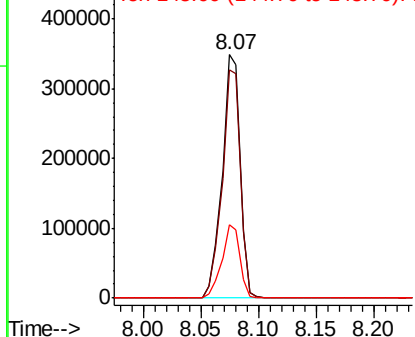


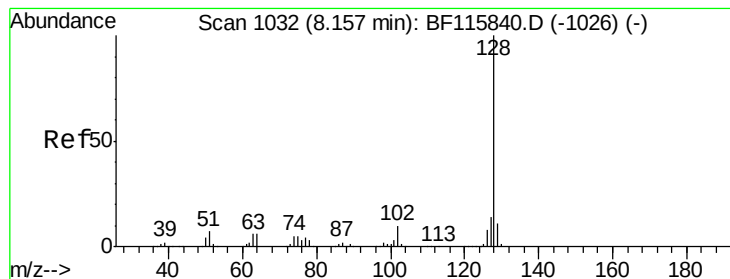
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 43.532 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

ClientSampleId :

PB121887BS

Tot Ion:128 Resp: 1173471

Ion Ratio Lower Upper

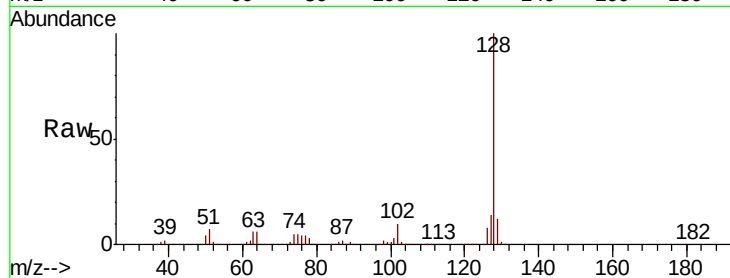
128 100

129 11.7 9.2 13.8

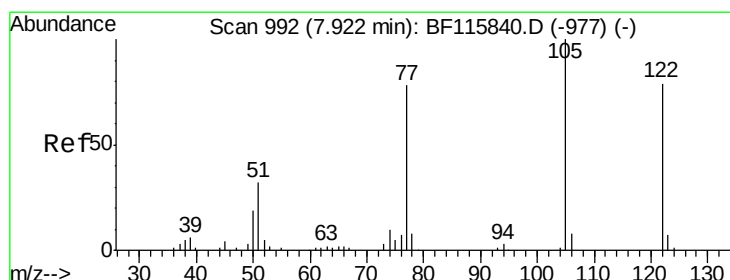
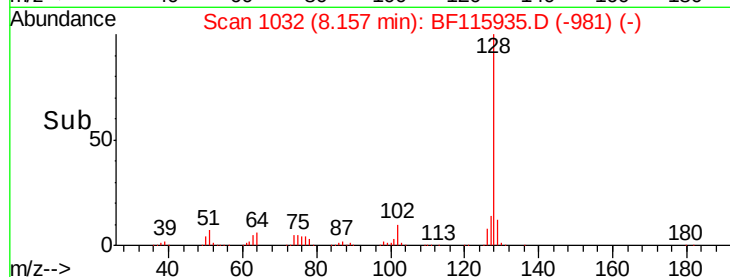
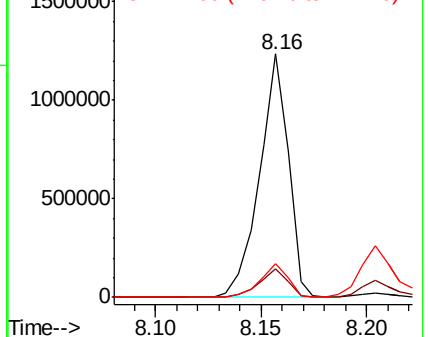
127 13.9 11.0 16.4

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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: 48.102 ng

RT: 7.94 min Scan# 995

Delta R.T. 0.02 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

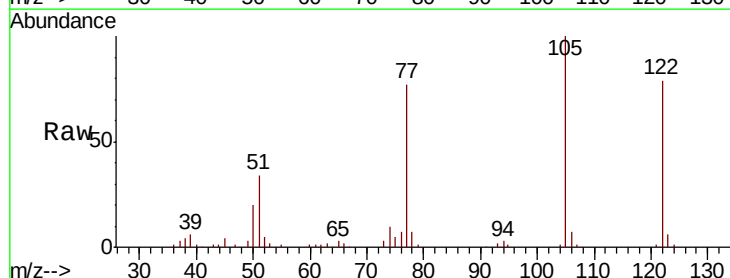
Tgt Ion:122 Resp: 257717

Ion Ratio Lower Upper

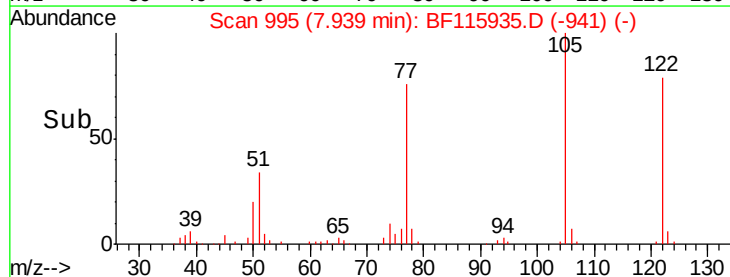
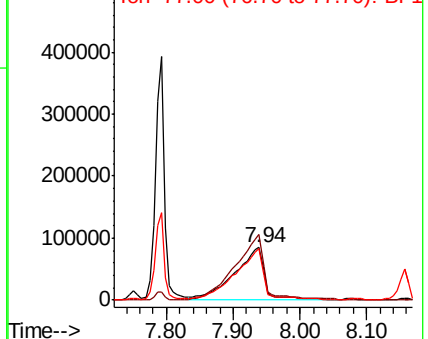
122 100

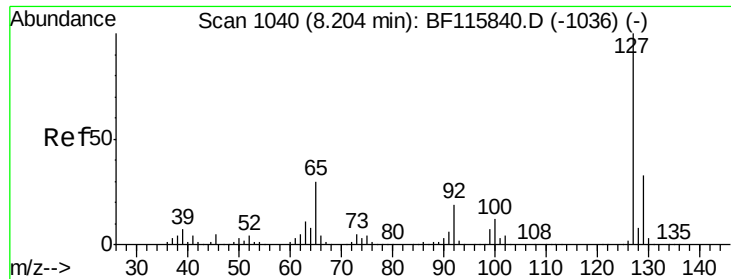
105 126.1 103.1 143.1

77 97.3 76.8 116.8



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





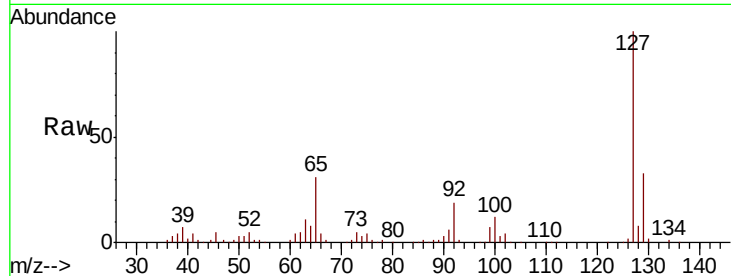
#33
4-Chloroaniline
Concen: 28.519 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

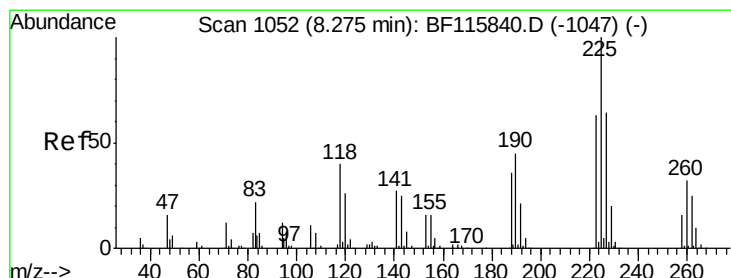
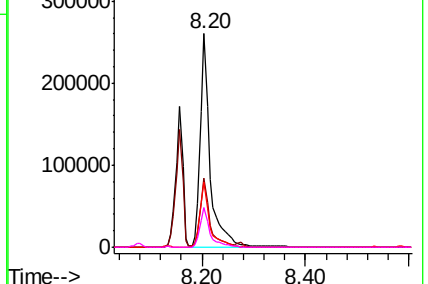
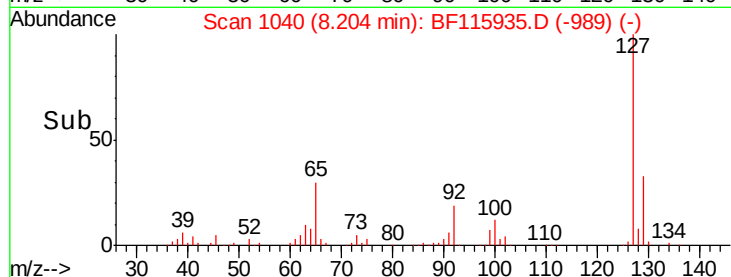
Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.6	26.0	39.0	
65	30.7	23.9	35.9	
92	18.7	14.9	22.3	

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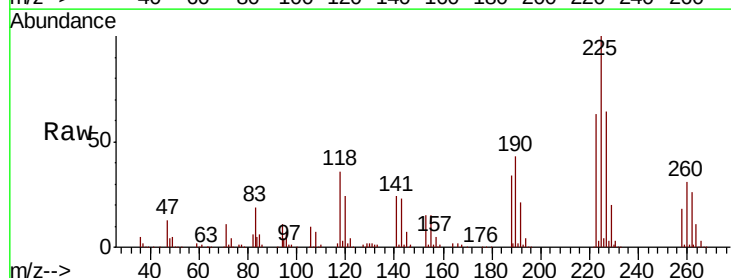


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

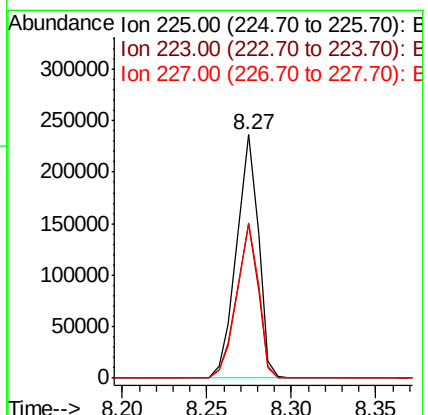
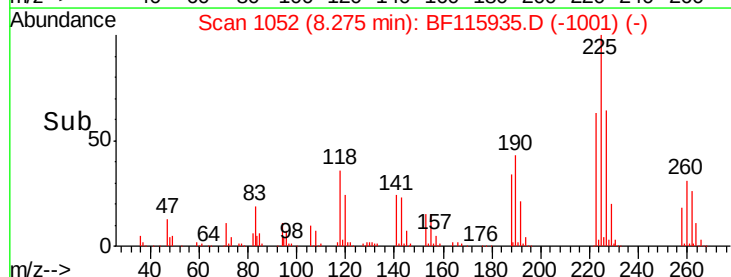


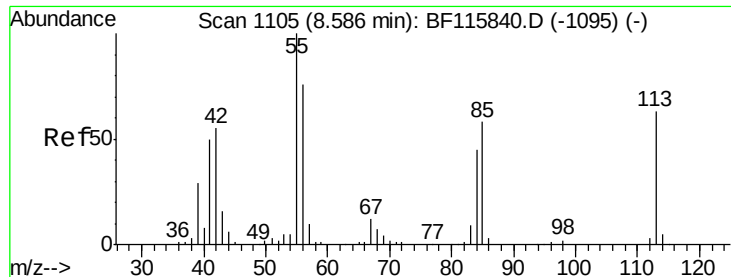
#34
Hexachlorobutadiene
Concen: 40.661 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	50.4	75.6	
227	63.6	51.6	77.4	



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





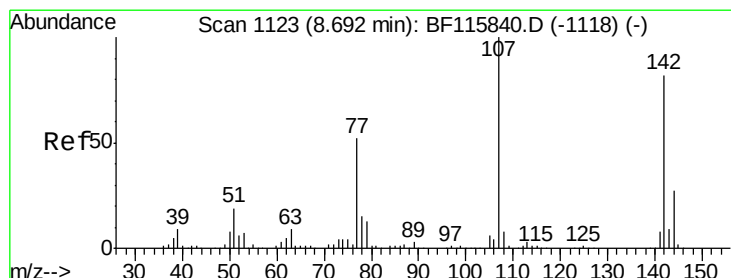
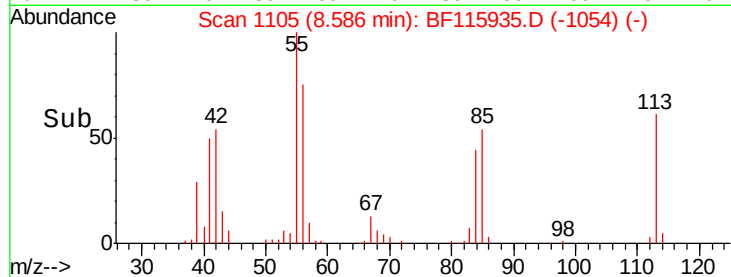
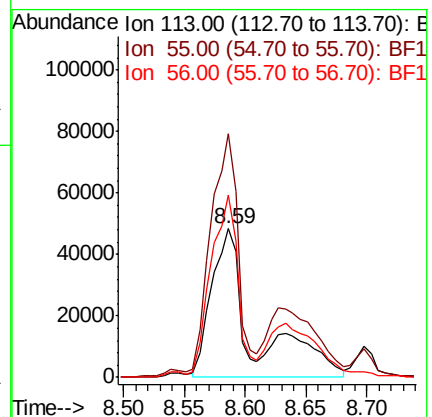
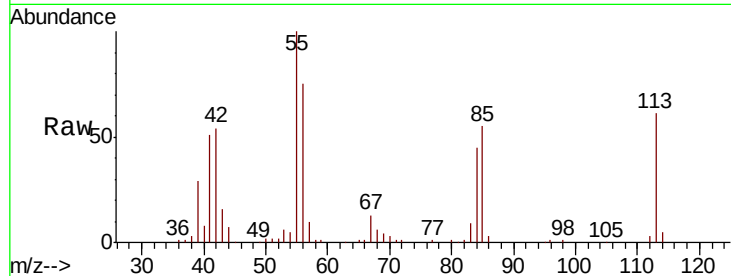
#35
Caprolactam
Concen: 44.545 ng/ml
RT: 8.59 min Scan# 1105
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleID :
PB121887BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	164.1	138.1	178.1
56	122.4	100.6	140.6

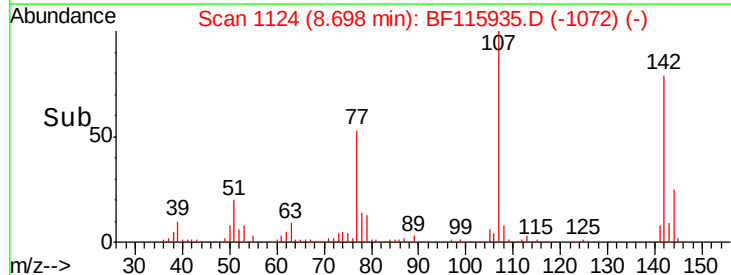
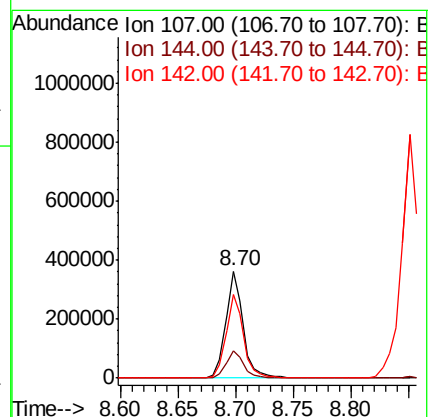
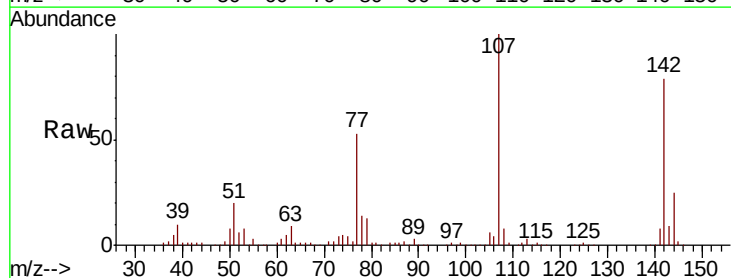
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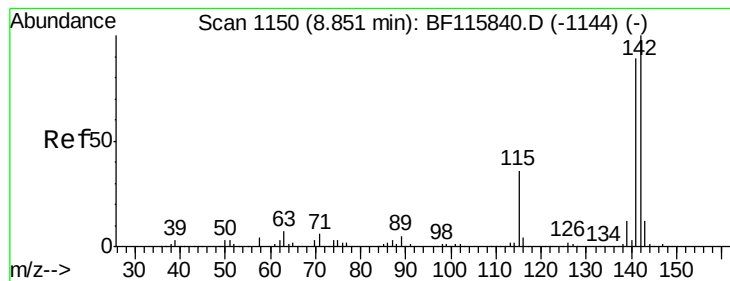
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#36
4-Chloro-3-methylphenol
Concen: 45.381 ng/ml
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	21.4	32.0
142	78.6	65.5	98.3





#37

2-Methylnaphthalene

Concen: 44.514 ng

RT: 8.85 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

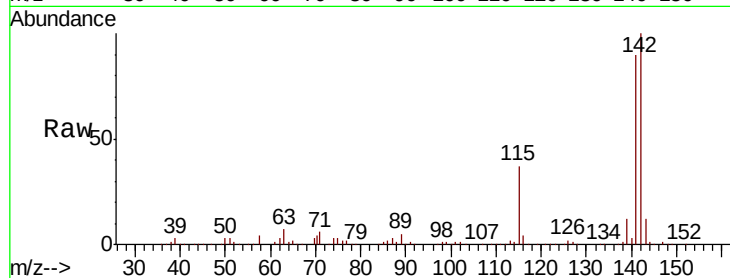
ClientSampleId :

PB121887BS

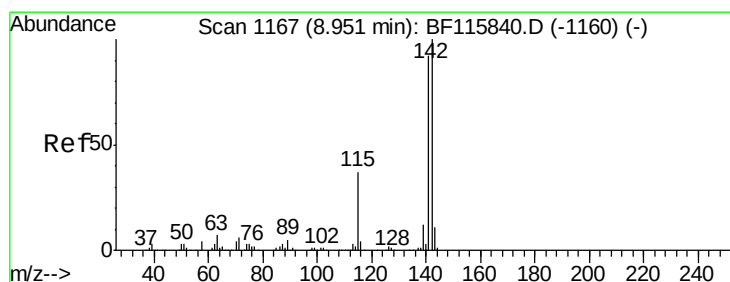
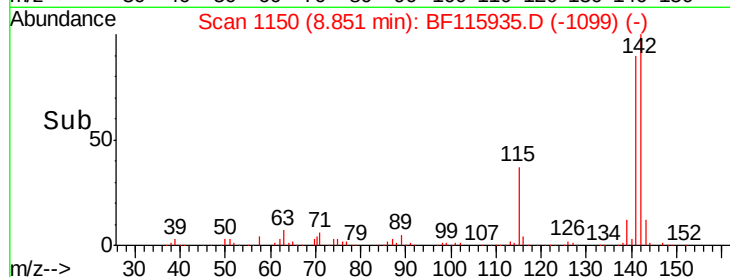
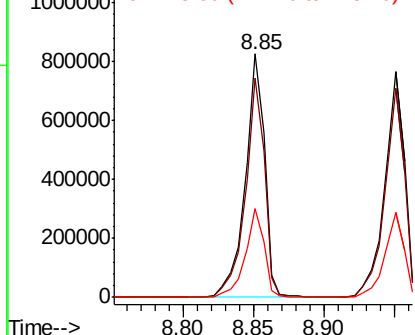
Tot Ion:	142	Resp:	790273
Ion Ratio	Lower	Upper	
142	100		
141	89.9	71.4	107.2
115	36.5	28.9	43.3

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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: 44.344 ng

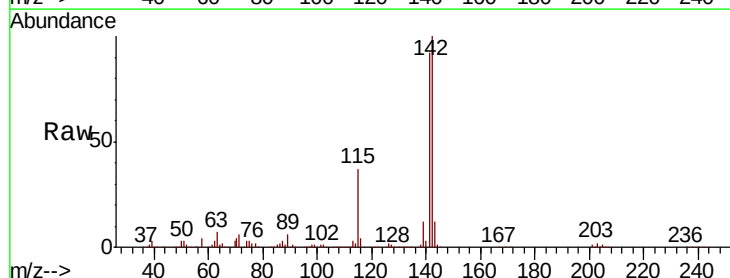
RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

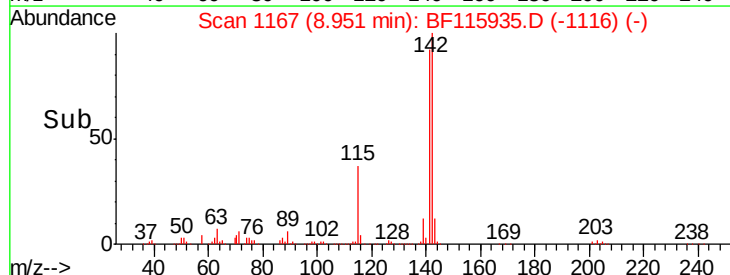
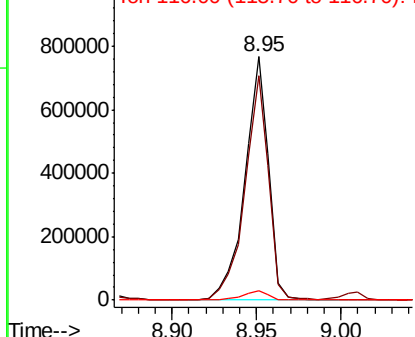
Lab File: BF115935.D

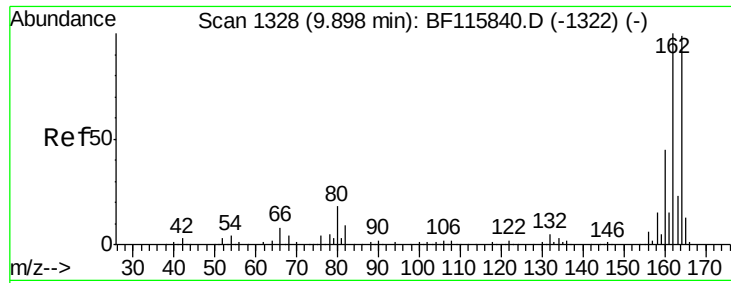
Acq: 2 Aug 2019 10:00

Tgt Ion:	142	Resp:	744770
Ion Ratio	Lower	Upper	
142	100		
141	92.3	73.8	110.6
116	4.0	3.1	4.7



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





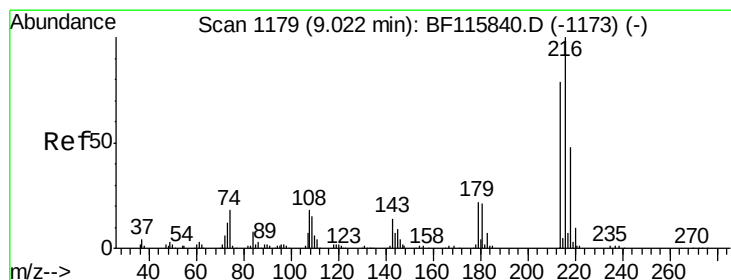
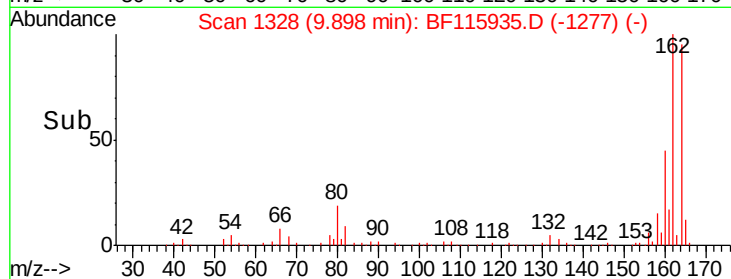
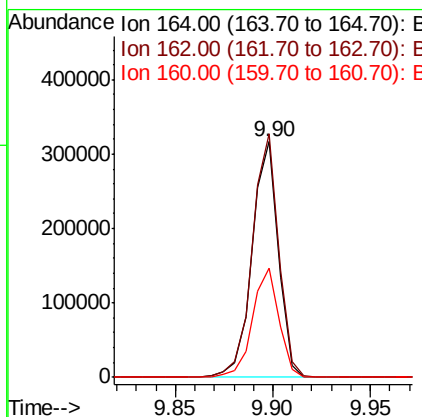
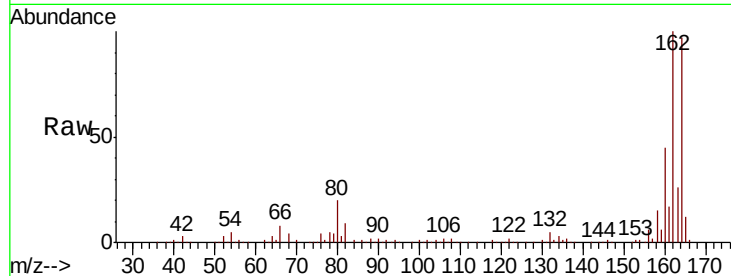
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	80.8	121.2
160	46.7	36.2	54.4

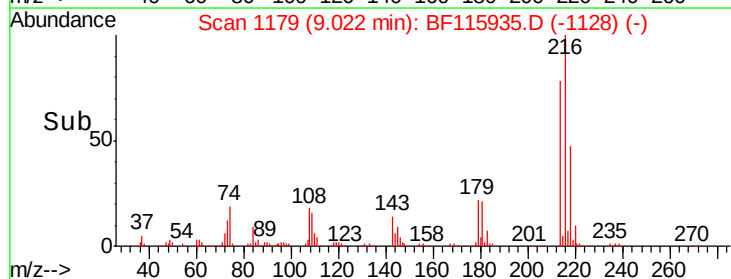
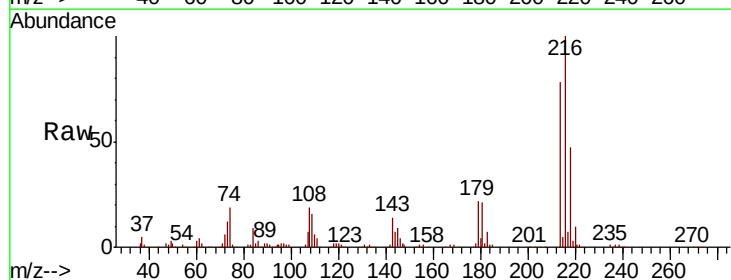
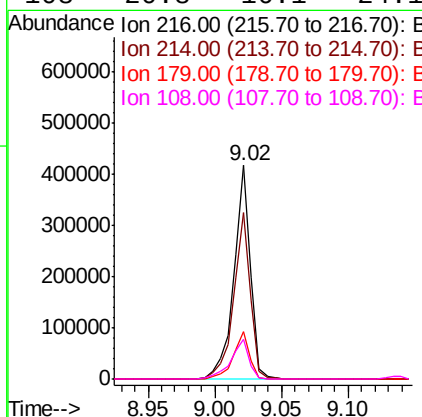
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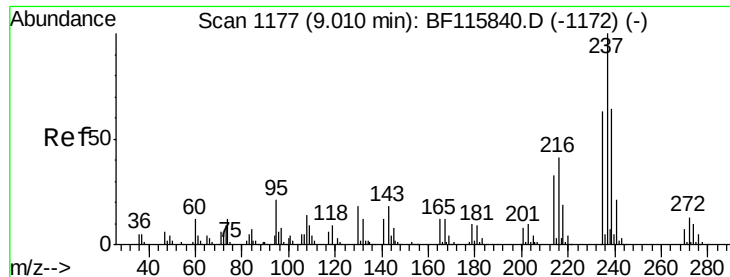
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.110 ng
RT: 9.02 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.8	94.2
179	21.8	17.6	26.4
108	20.8	16.1	24.1





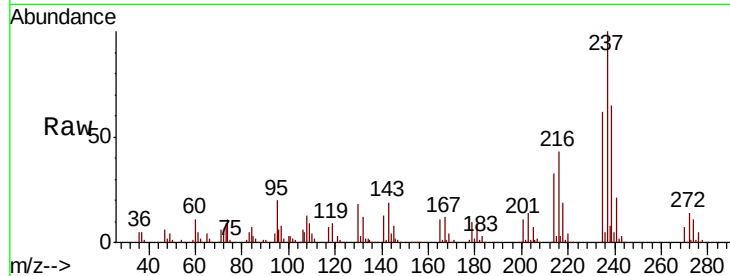
#41
Hexachlorocyclopentadiene
Concen: 51.316 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

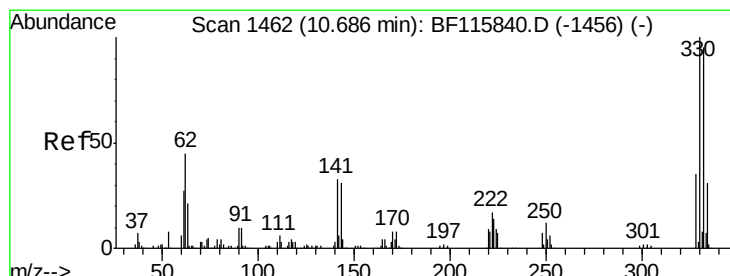
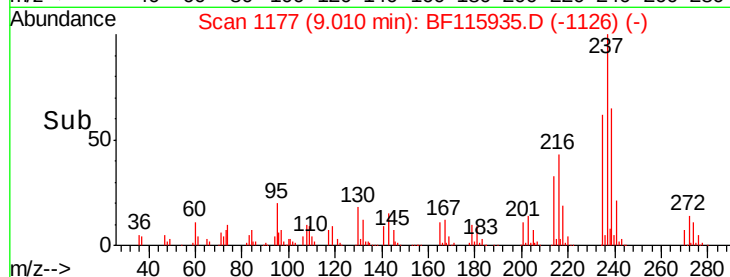
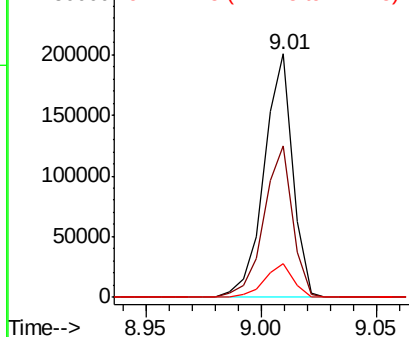
Tot Ion:	237	Resp:	173299
Ion Ratio	Lower	Upper	
237	100		
235	62.3	42.5	82.5
272	13.6	0.0	33.3

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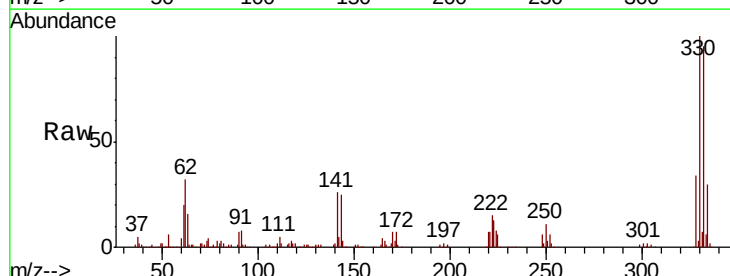


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

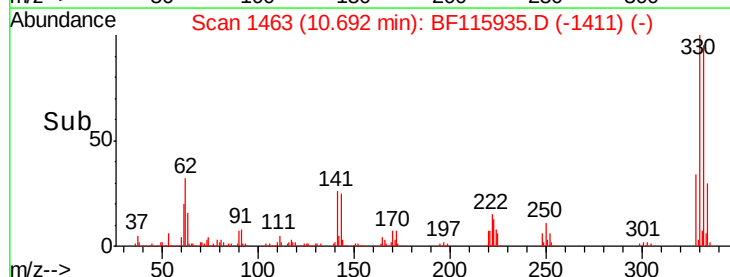
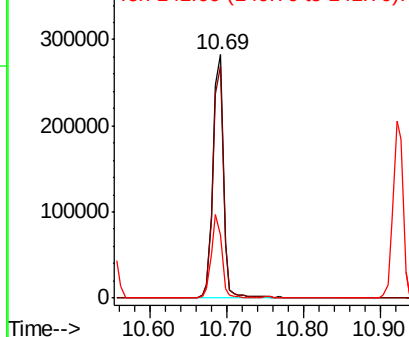


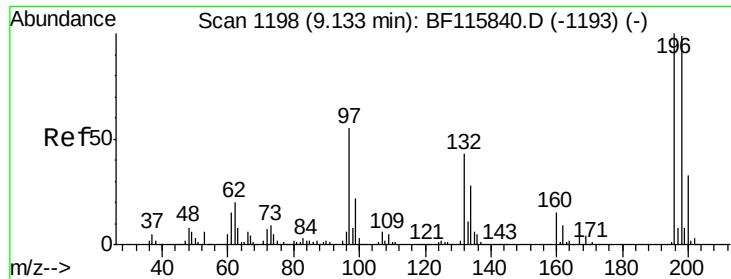
#42
2,4,6-Tribromophenol
Concen: 93.067 ng
RT: 10.69 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion:	330	Resp:	265774
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.7	116.5
141	33.8	28.1	42.1



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





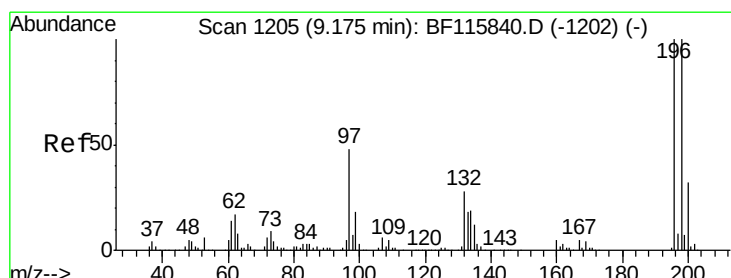
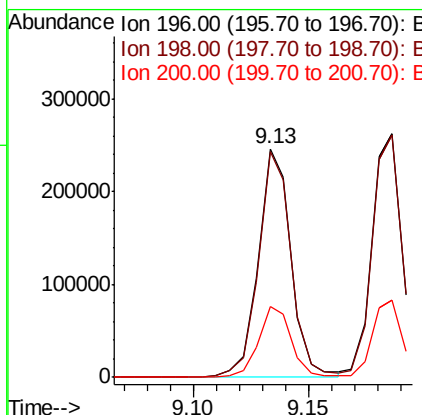
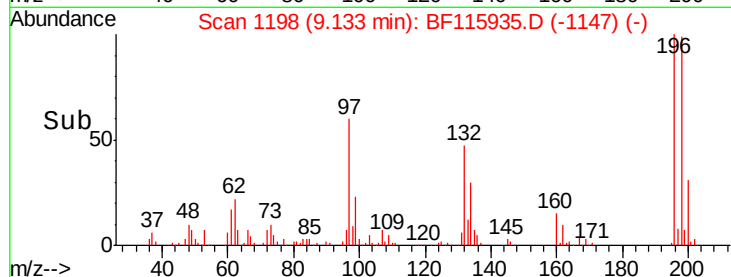
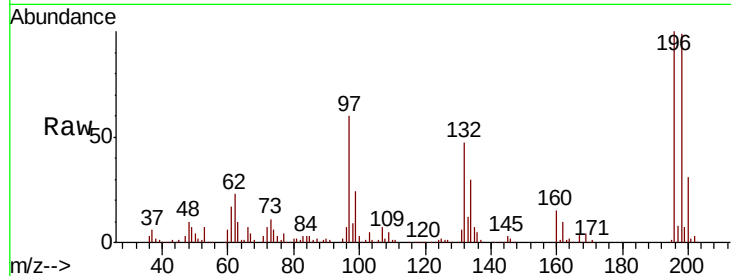
#43
 2,4,6-Trichlorophenol
 Concen: 44.881 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	243258		
198	98.6	79.1	118.7	
200	31.0	26.0	39.0	

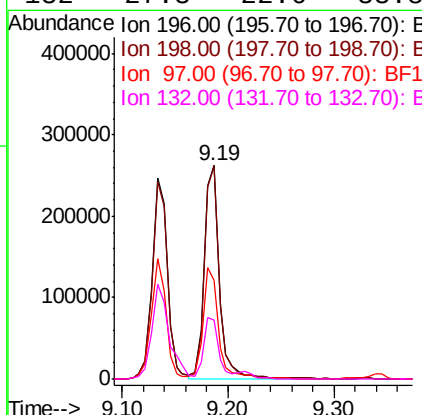
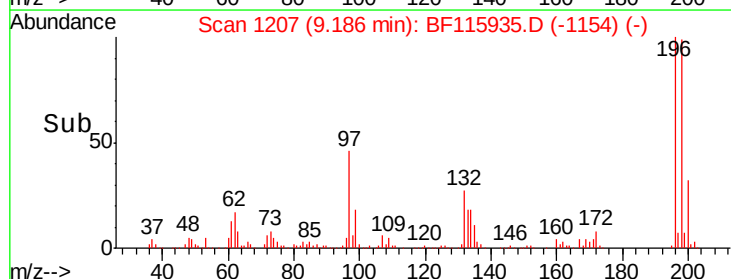
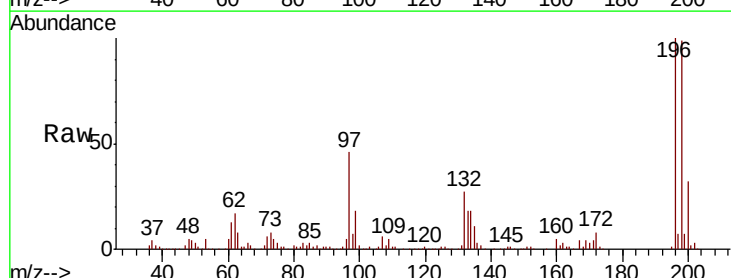
Manual Integrations
 APPROVED

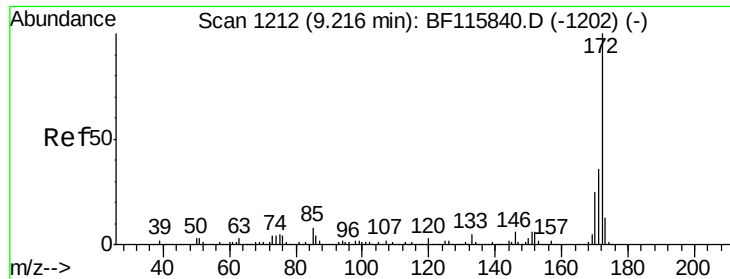
mohammad
 8/8/2019 4:44:00 PM



#44
 2,4,5-Trichlorophenol
 Concen: 46.115 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	258370		
198	99.3	80.1	120.1	
97	45.9	38.9	58.3	
132	27.3	22.6	33.8	





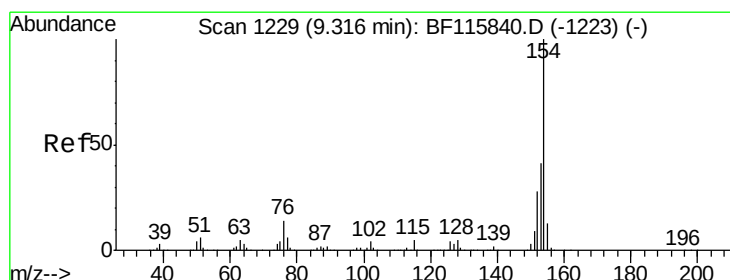
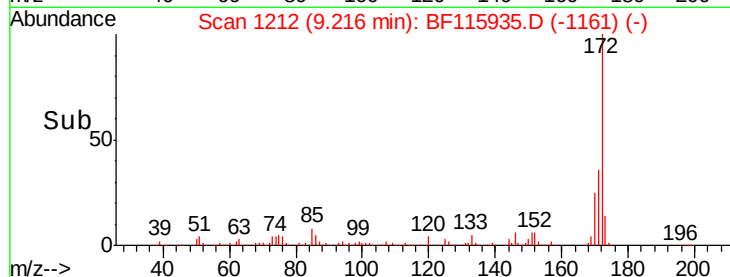
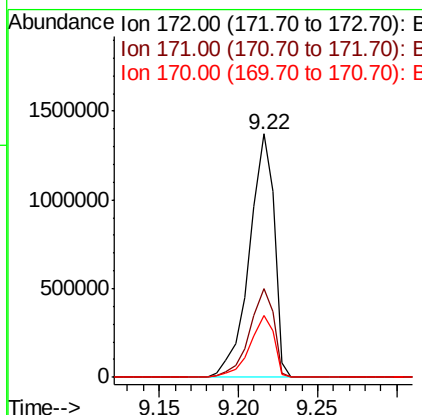
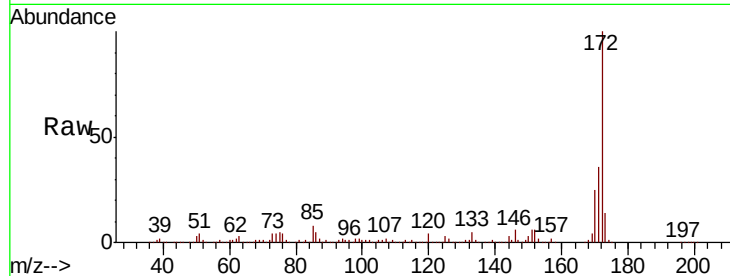
#45
2-Fluorobiphenyl
Concen: 95.053 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.1	43.7
170	25.3	20.1	30.1

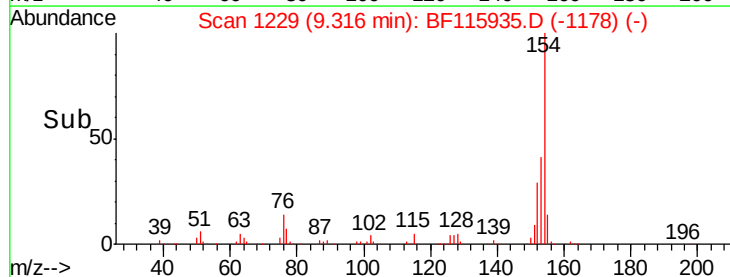
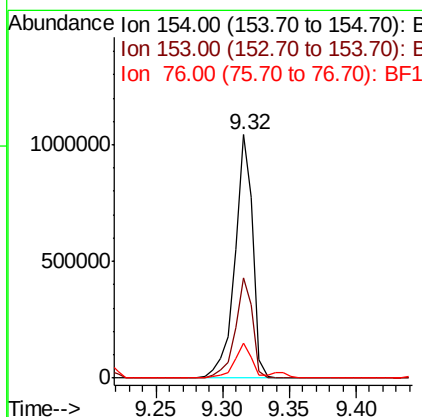
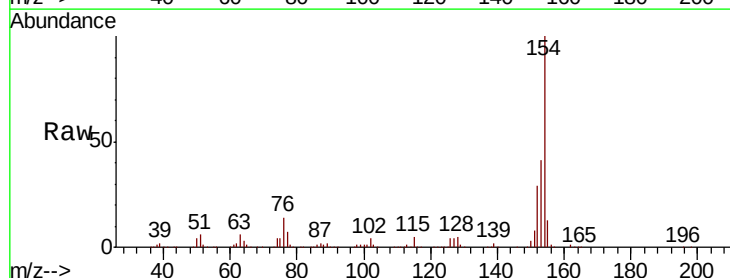
Manual Integrations
APPROVED

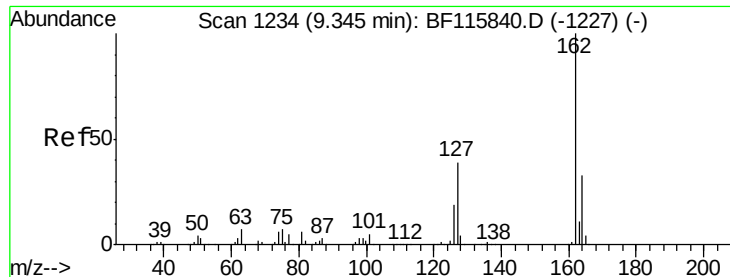
mohammad
8/8/2019 4:44:00 PM



#46
1,1'-Biphenyl
Concen: 46.871 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.9	60.9
76	14.5	0.0	34.3





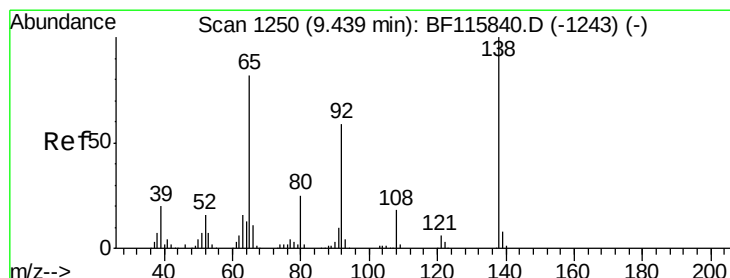
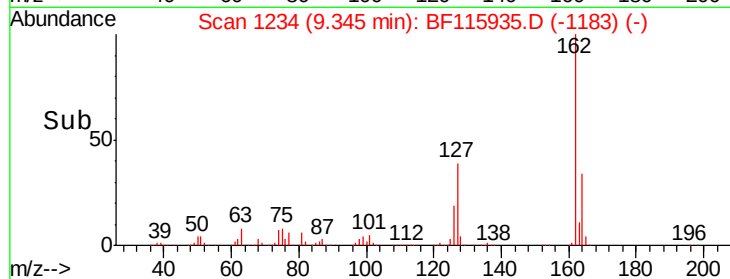
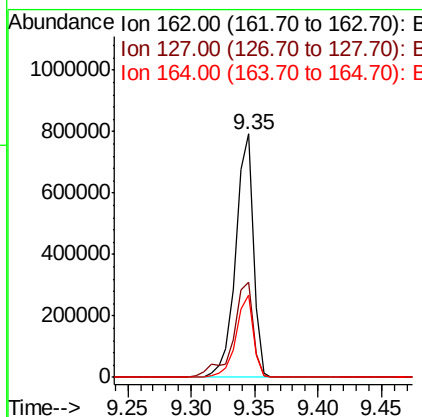
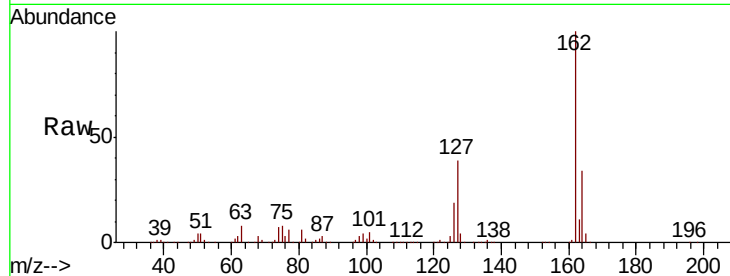
#47
 2-Chloronaphthalene
 Concen: 43.899 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampled :
 PB121887BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100				
127	39.2	31.3	46.9		
164	33.6	26.6	40.0		

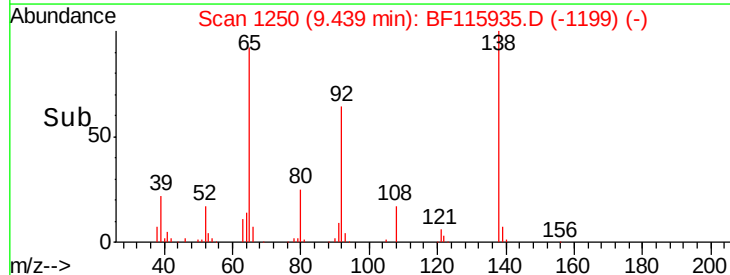
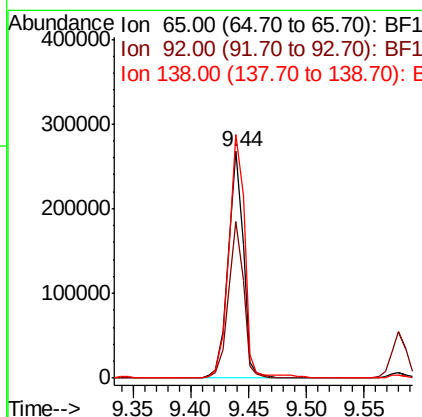
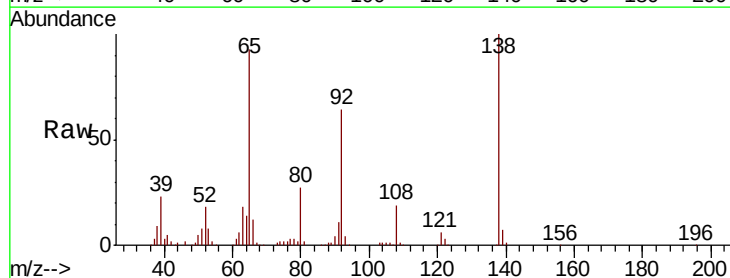
Manual Integrations
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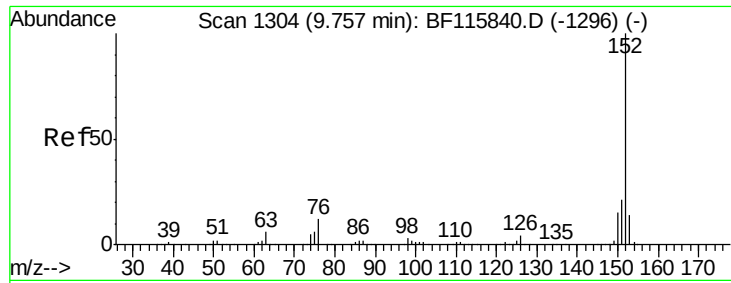
mohammad
 8/8/2019 4:44:00 PM



#48
 2-Nitroaniline
 Concen: 42.743 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
92	69.0	57.1	85.7		
138	107.5	97.1	145.7		





#49

Acenaphthylene

Concen: 45.896 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

ClientSampleId :

PB121887BS

Tot Ion:152 Resp: 1158864

Ion Ratio Lower Upper

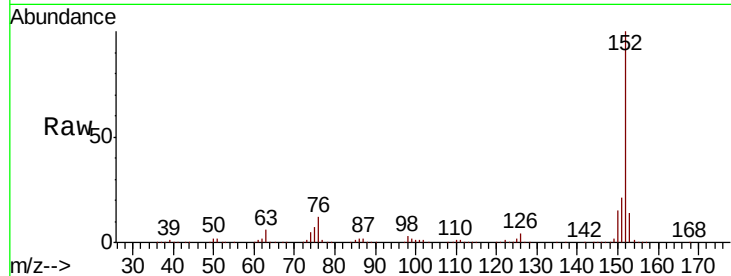
152 100

151 21.1 16.8 25.2

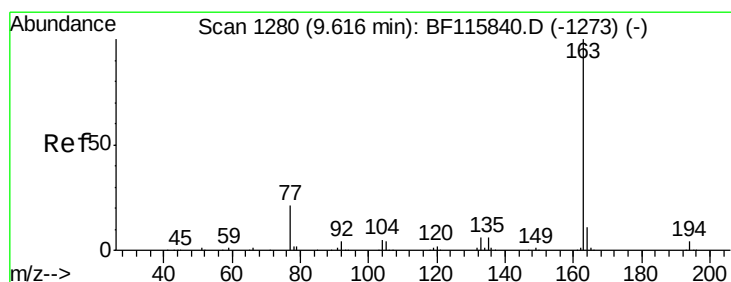
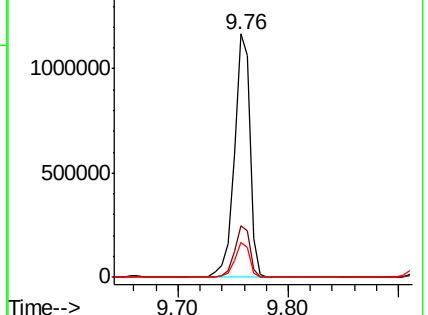
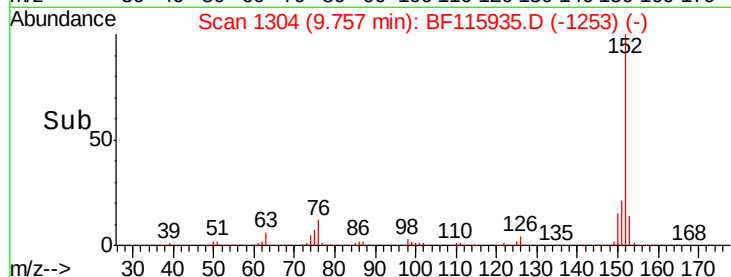
153 14.2 11.6 17.4

Manual Integrations
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mohammad
8/8/2019 4:44:00 PM



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: 44.711 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

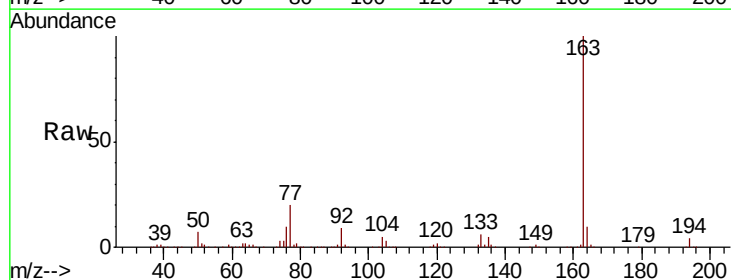
Tgt Ion:163 Resp: 896691

Ion Ratio Lower Upper

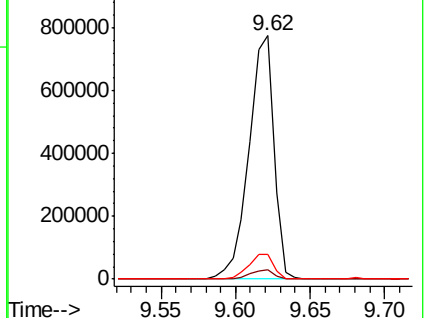
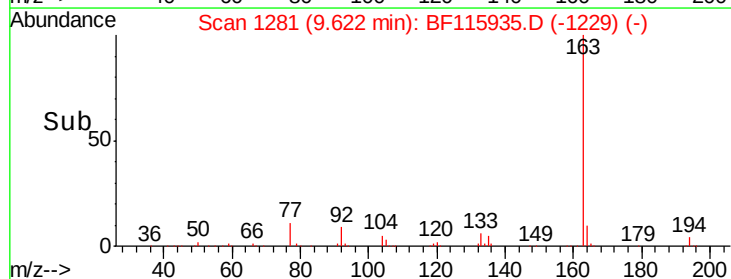
163 100

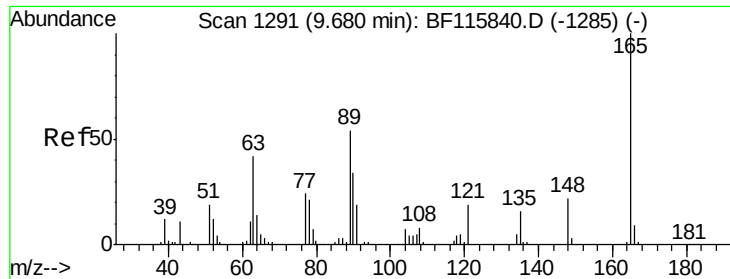
194 3.9 3.0 4.6

164 10.1 8.4 12.6



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





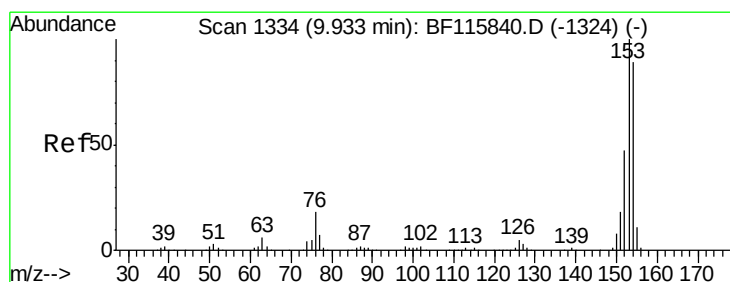
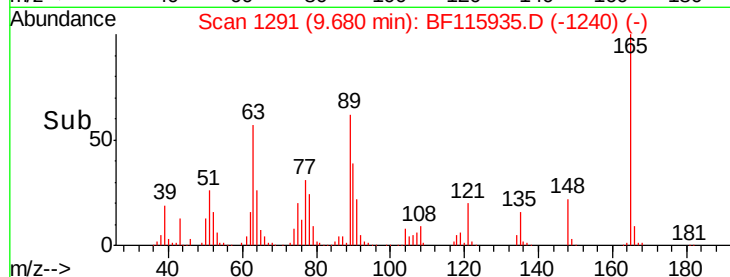
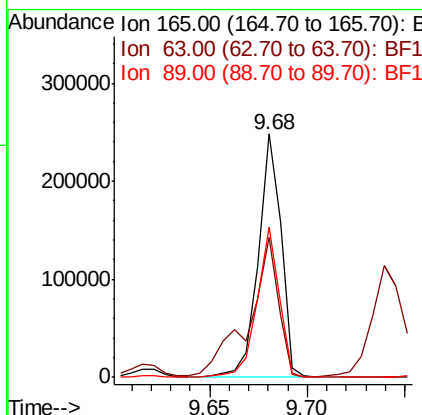
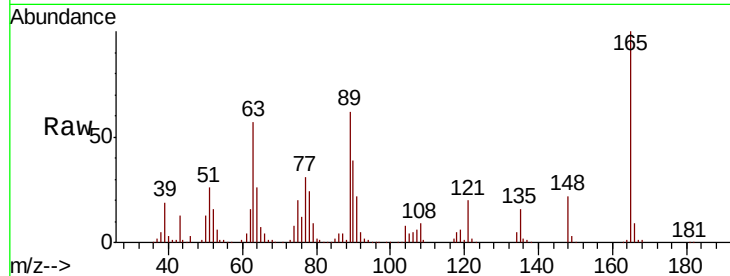
#51
 2,6-Dinitrotoluene
 Concen: 46.139 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	201093		
63	57.3	39.4	59.2	
89	61.7	43.0	64.6	

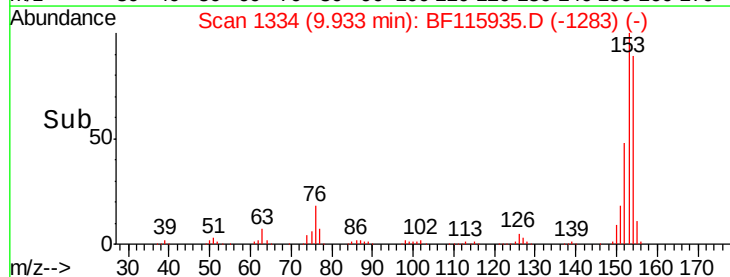
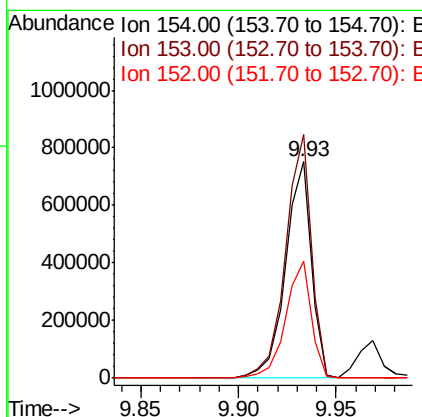
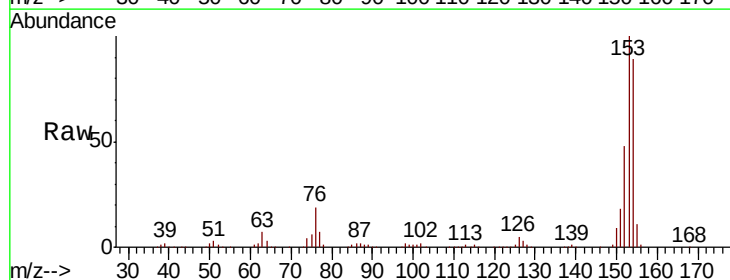
Manual Integrations
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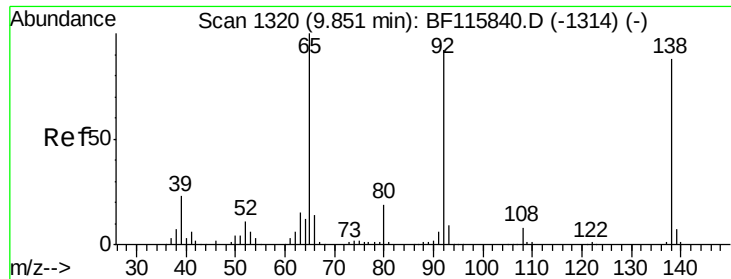
mohammad
 8/8/2019 4:44:00 PM



#52
 Acenaphthene
 Concen: 44.586 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	690660		
153	112.5	90.1	135.1	
152	53.8	42.6	63.8	





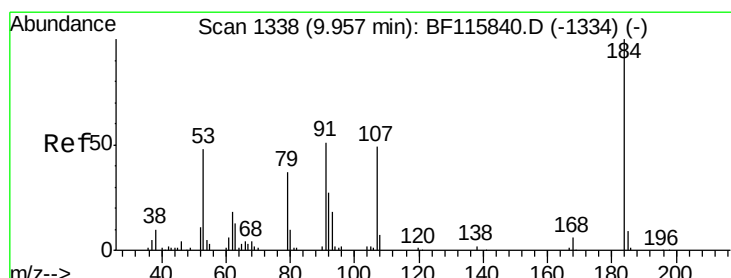
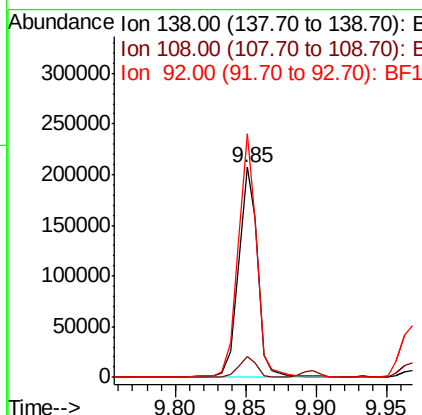
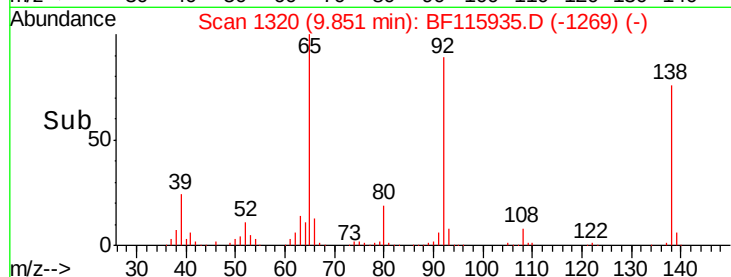
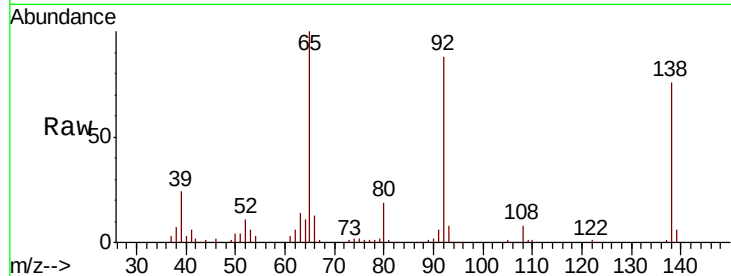
#53
3-Nitroaniline
Concen: 35.662 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.1	7.4	11.2
92	115.9	83.9	125.9

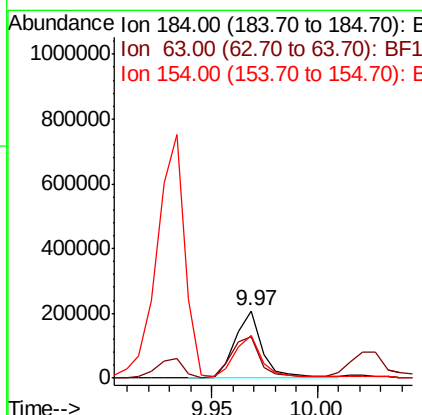
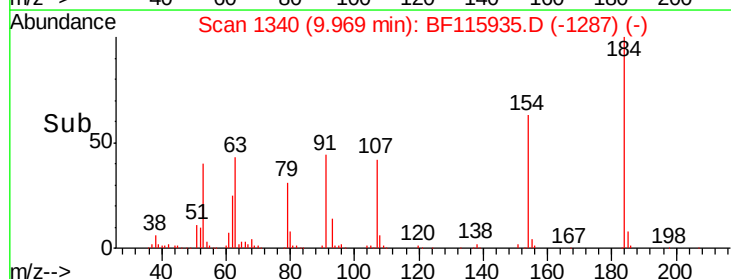
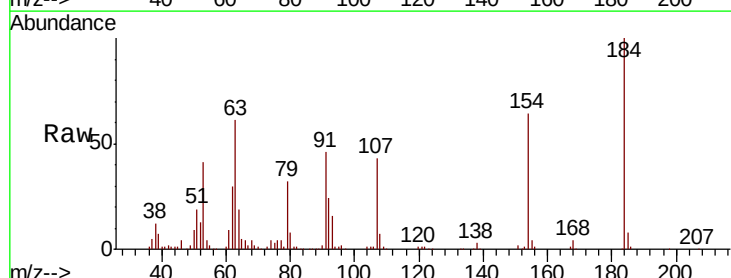
Manual Integrations
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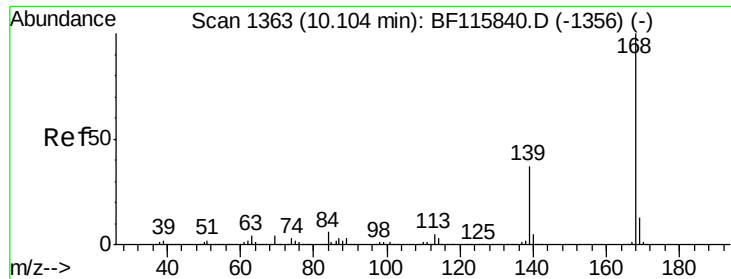
mohammad
8/8/2019 4:44:00 PM



#54
2,4-Dinitrophenol
Concen: 84.858 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.8	56.7	85.1
154	63.6	51.9	77.9





#55

Dibenzofuran

Concen: 45.945 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

ClientSampleId :

PB121887BS

Tot Ion:168 Resp: 1035014

Ion Ratio Lower Upper

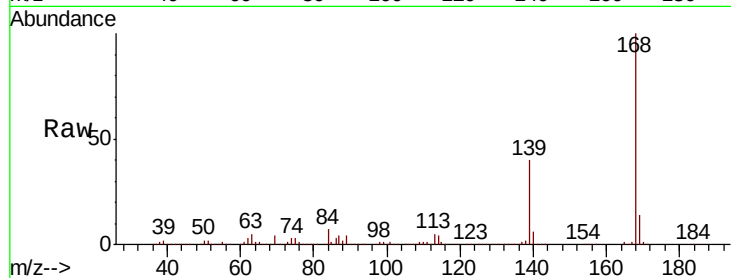
168 100

139 39.7 30.2 45.2

169 13.9 10.8 16.2

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mohammad
8/8/2019 4:44:00 PM

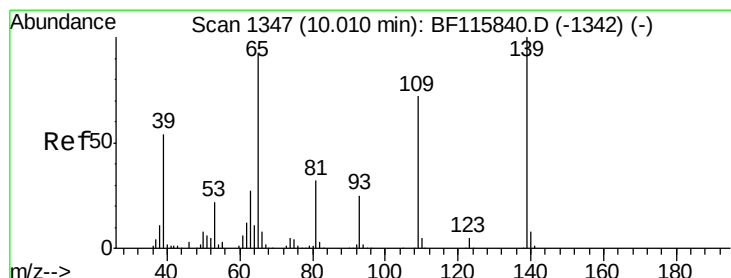
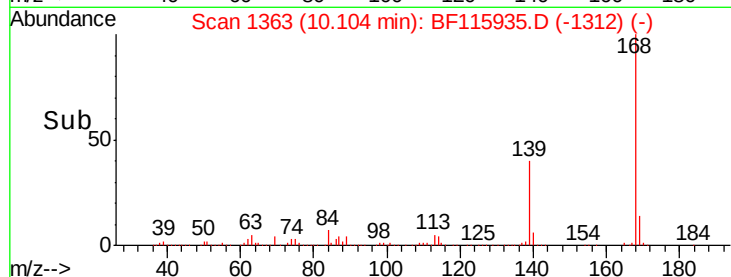
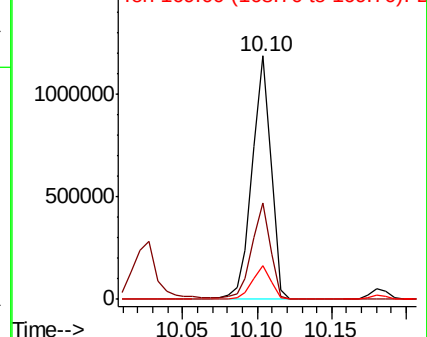


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 90.278 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.02 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

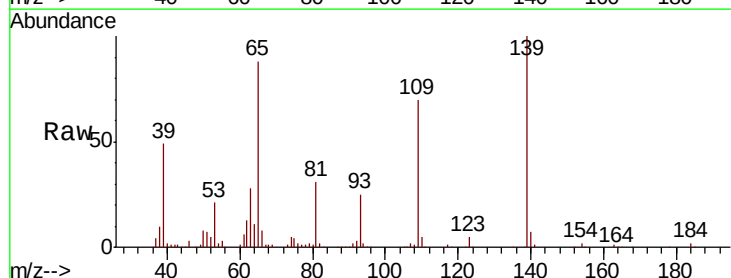
Tgt Ion:139 Resp: 311446

Ion Ratio Lower Upper

139 100

109 70.0 52.0 92.0

65 88.2 72.6 112.6

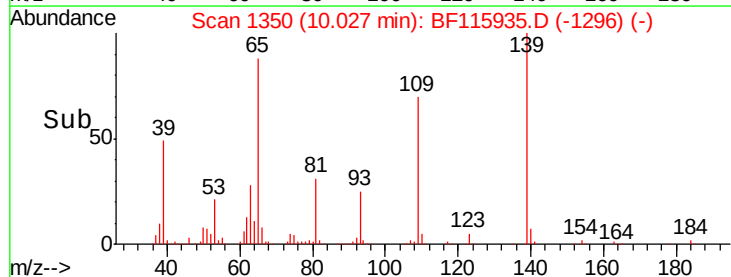
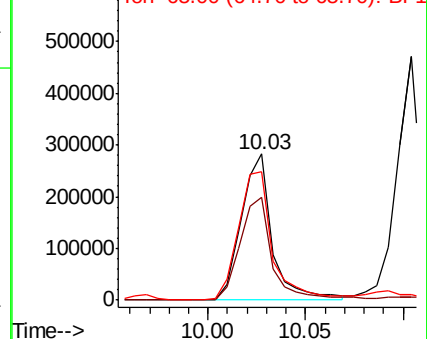


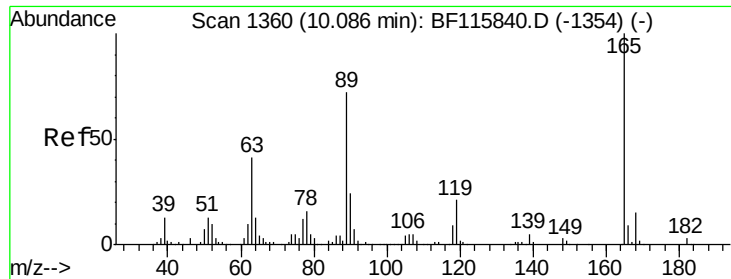
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





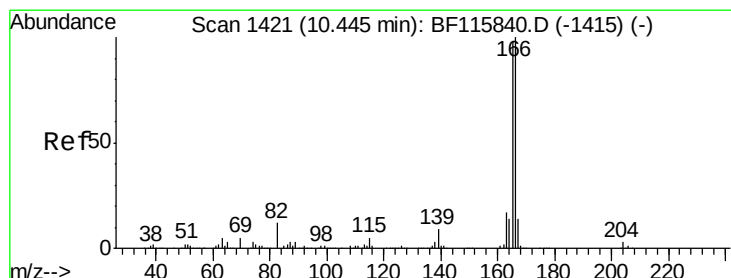
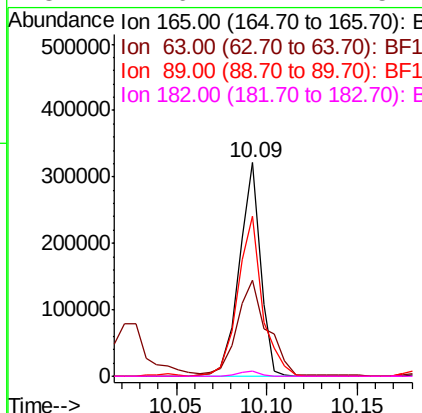
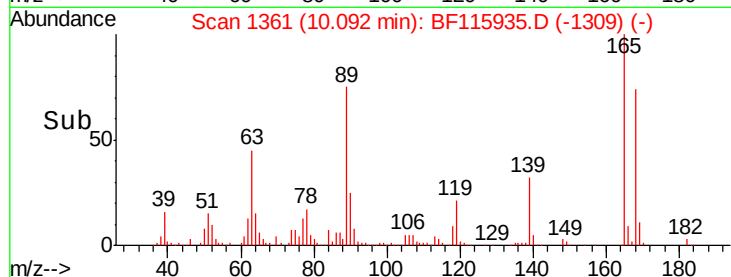
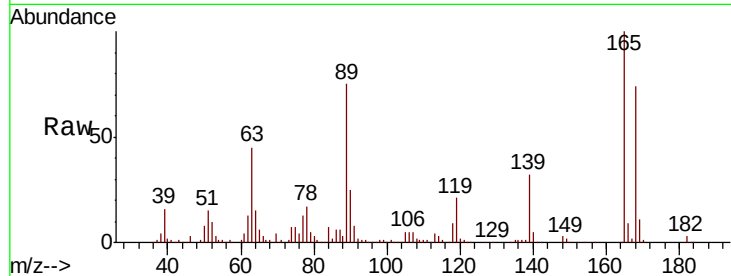
#57
2,4-Dinitrotoluene
Concen: 45.018 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	45.1	33.2	49.8
89	75.1	57.3	85.9
182	2.6	2.1	3.1

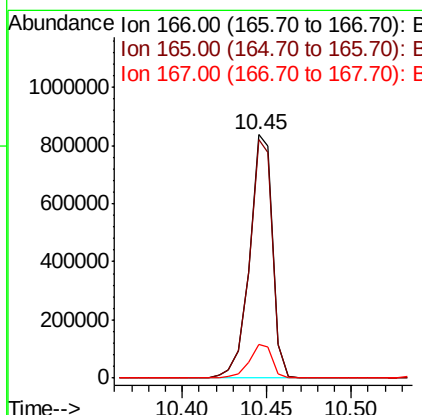
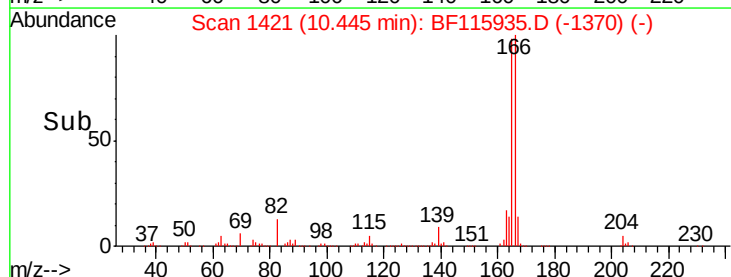
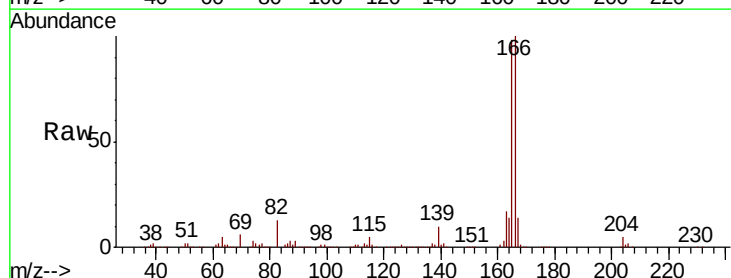
Manual Integrations
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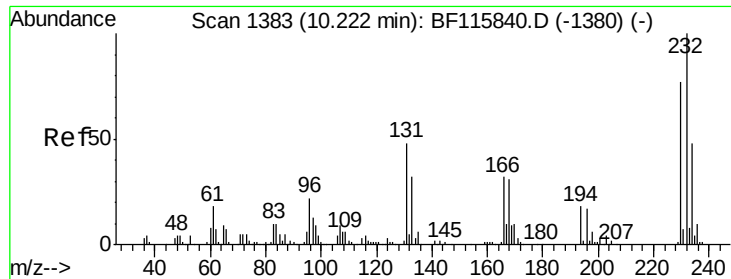
mohammad
8/8/2019 4:44:00 PM



#58
Fluorene
Concen: 46.056 ng
RT: 10.45 min Scan# 1421
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	98.2	78.6	118.0
167	13.9	10.9	16.3





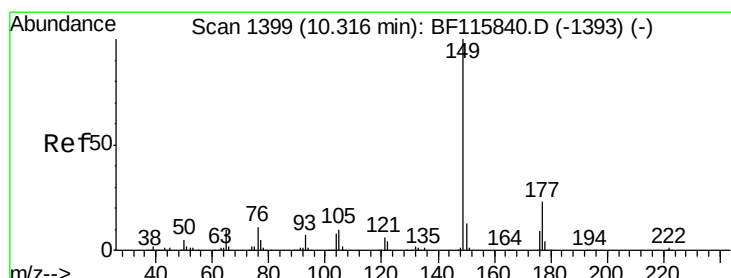
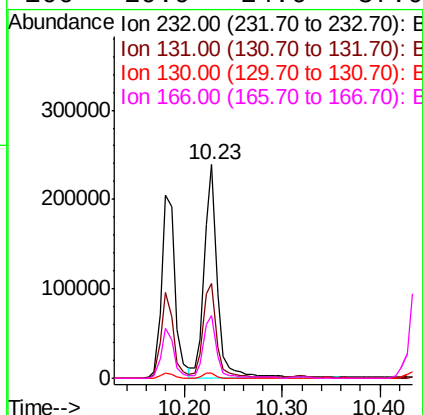
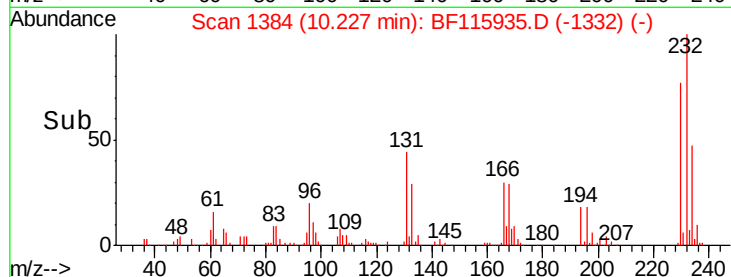
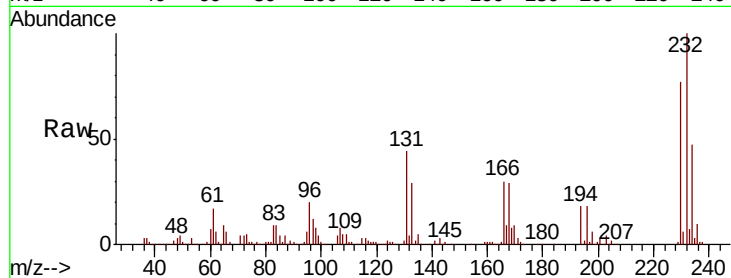
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.043 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
232	100	221744		
131	47.6		37.6	56.4
130	2.5		1.8	2.8
166	29.9		24.6	37.0

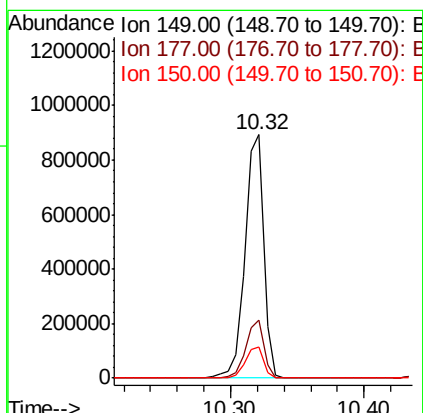
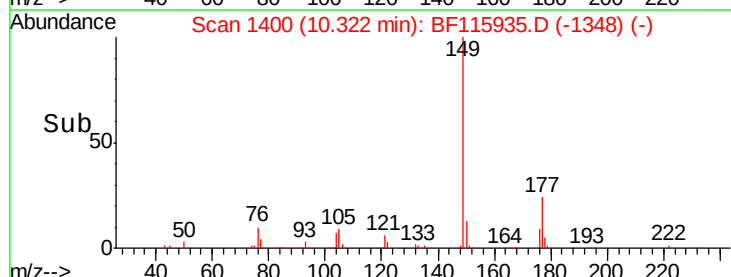
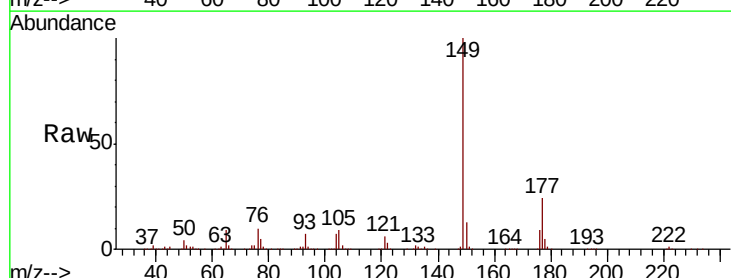
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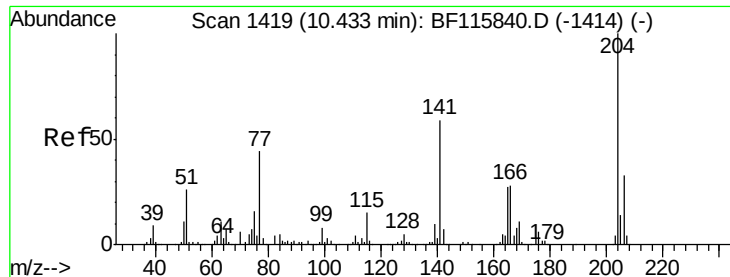
mohammad
8/8/2019 4:44:00 PM



#60
Diethylphthalate
Concen: 45.877 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	859005		
177	23.9		18.4	27.6
150	12.6		10.1	15.1





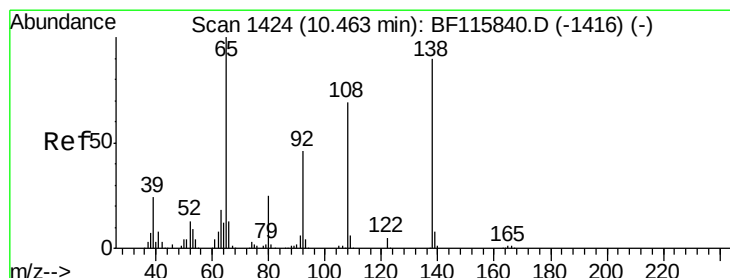
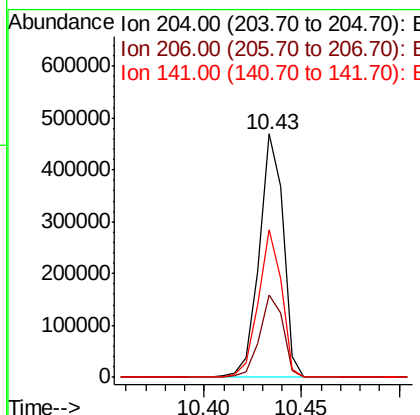
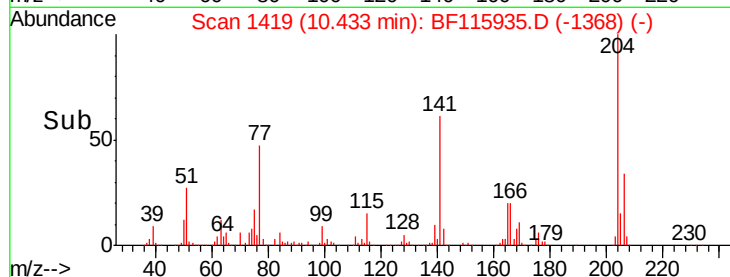
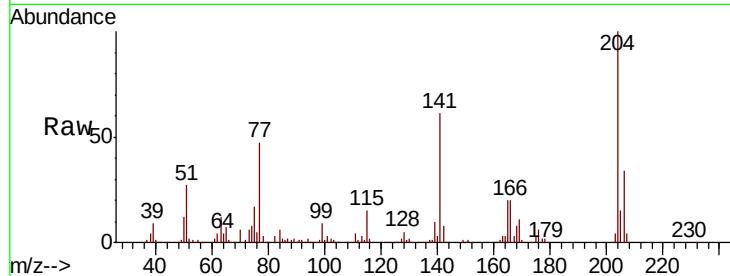
#61
4-Chlorophenyl-phenylether
Concen: 45.459 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.8	26.4	39.6
141	60.8	47.0	70.4

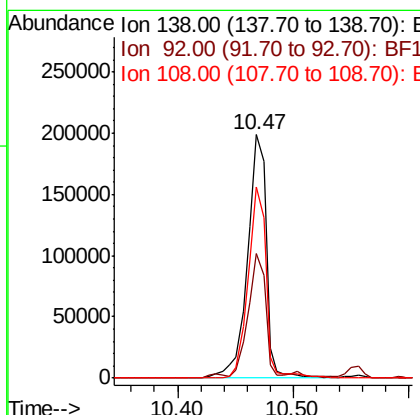
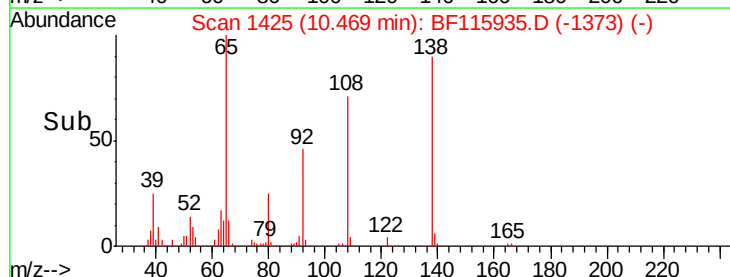
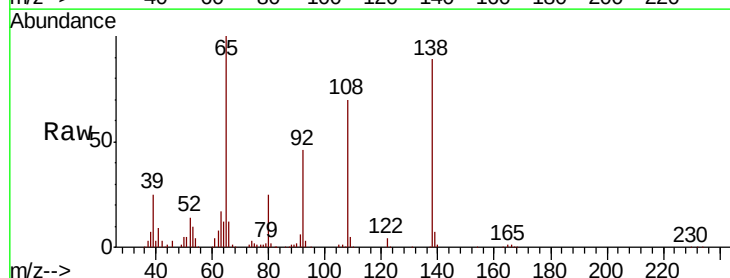
Manual Integrations
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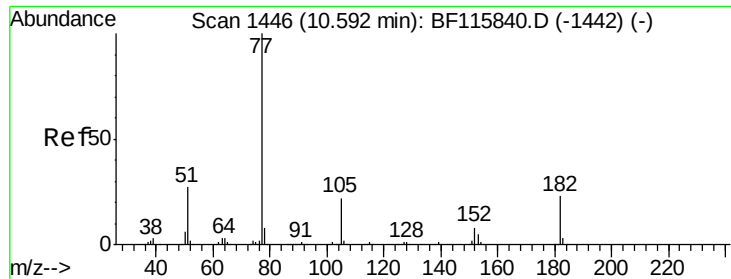
mohammad
8/8/2019 4:44:00 PM



#62
4-Nitroaniline
Concen: 40.569 ng
RT: 10.47 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
138	100		
92	51.2	31.0	71.0
108	78.3	56.7	96.7





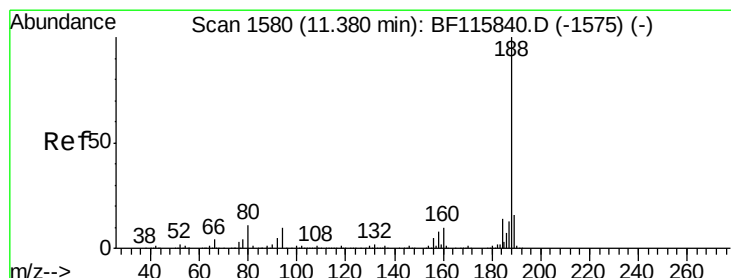
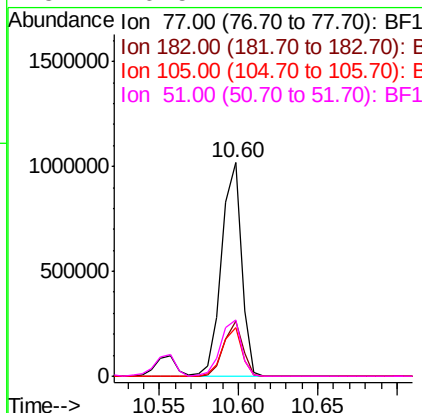
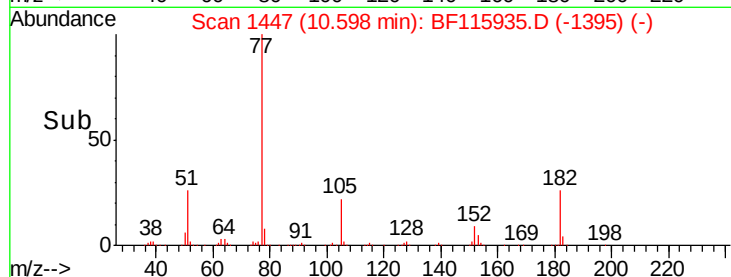
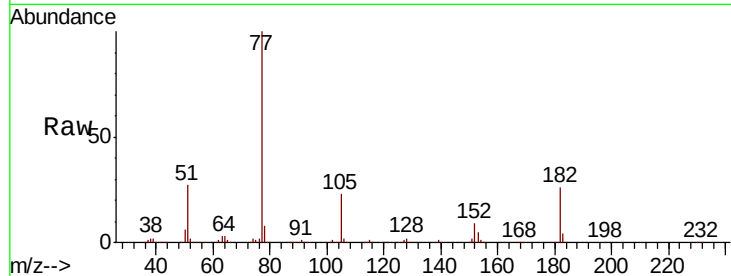
#63
Azobenzene
Concen: 46.364 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
182	25.8	2.6	42.6	
105	22.6	1.6	41.6	
51	26.5	7.4	47.4	

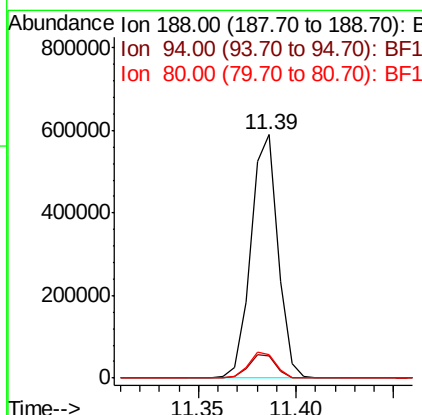
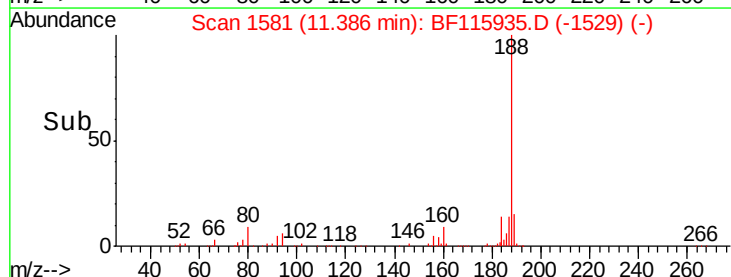
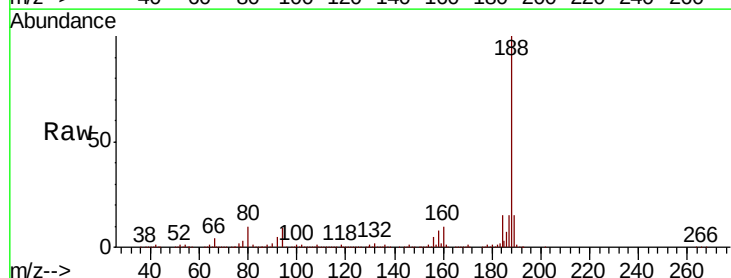
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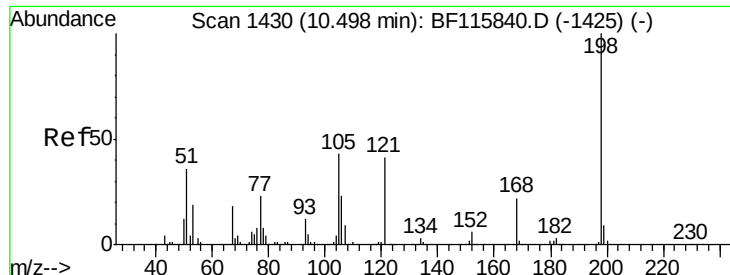
mohammad
8/8/2019 4:44:00 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.1	8.0	12.0	
80	9.8	8.6	12.8	





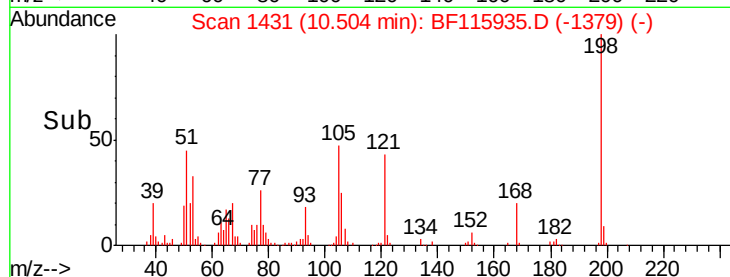
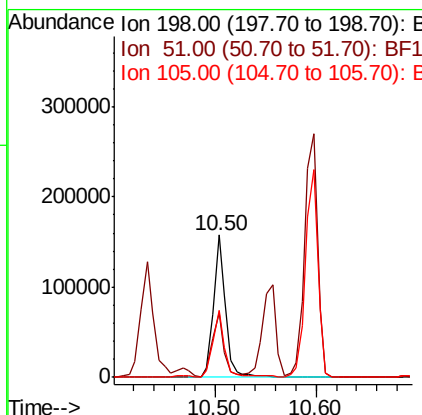
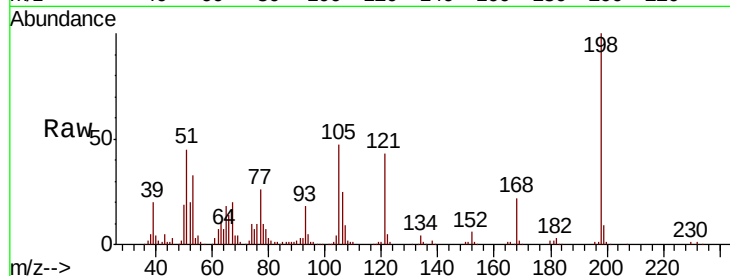
#65
 4,6-Dinitro-2-methylphenol
 Concen: 44.009 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	132365		
51	44.9	21.1	61.1	
105	46.8	24.5	64.5	

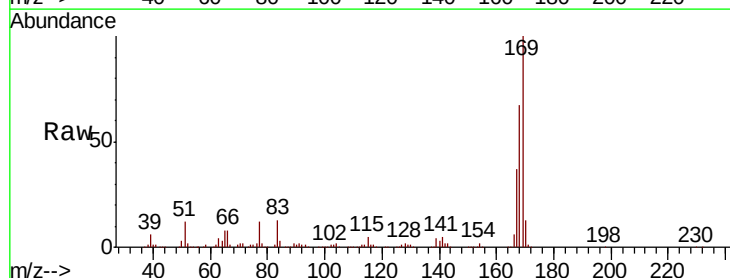
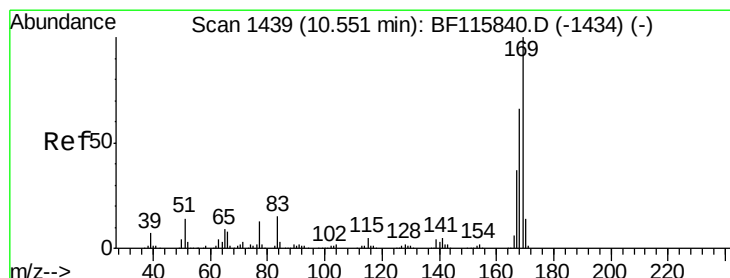
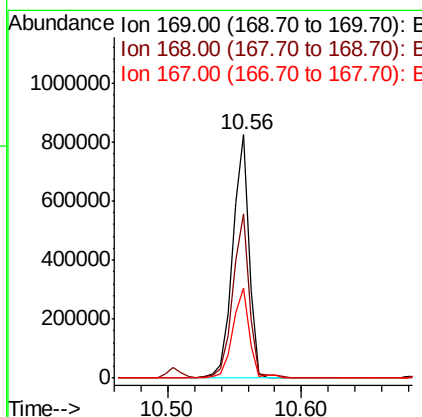
Manual Integrations
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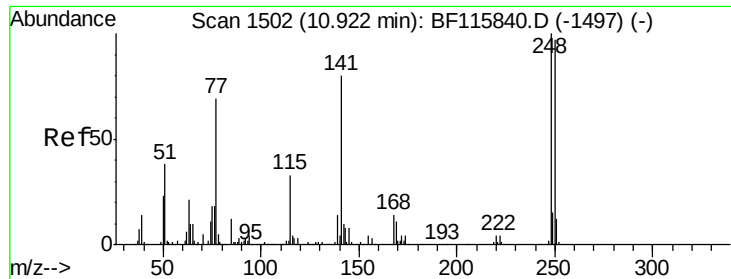
mohammad
 8/8/2019 4:44:00 PM



#66
 n-Nitrosodiphenylamine
 Concen: 41.817 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	714364		
168	67.3	53.0	79.6	
167	36.9	29.9	44.9	





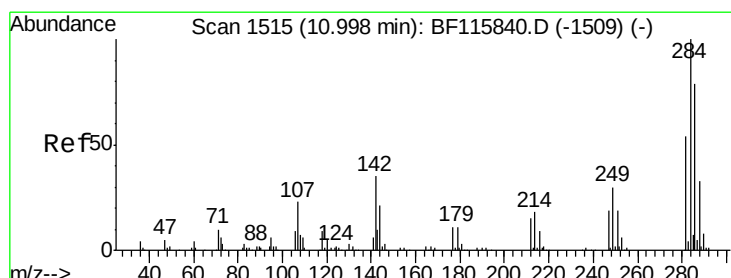
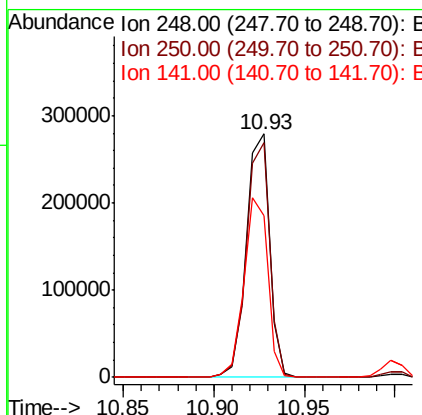
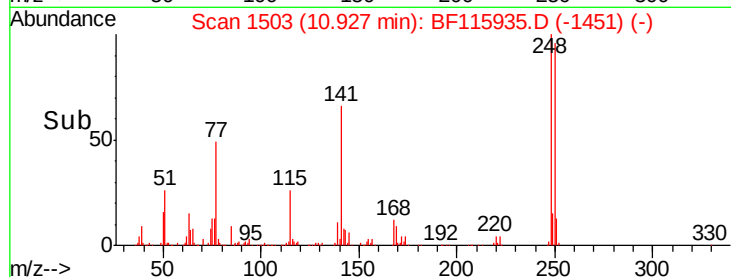
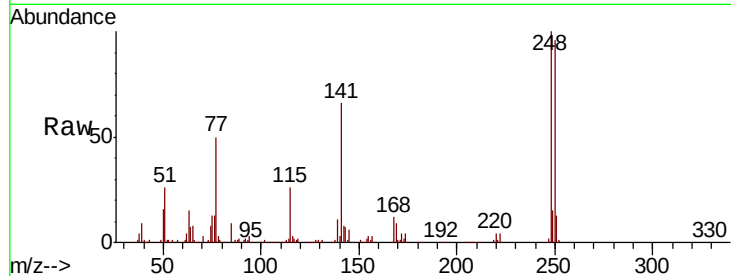
#67
 4-Bromophenyl-phenylether
 Concen: 41.080 ng
 RT: 10.93 min Scan# 1503
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion:	248	Resp:	249593
Ion Ratio	Lower	Upper	
248	100		
250	96.3	77.8	116.6
141	66.4	64.3	96.5

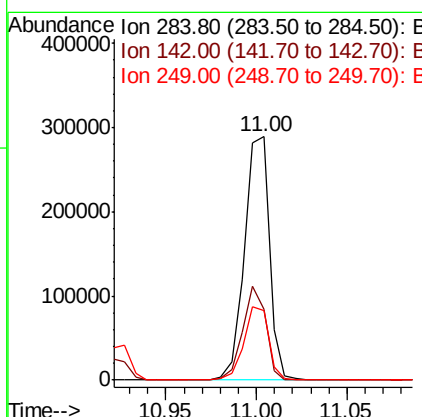
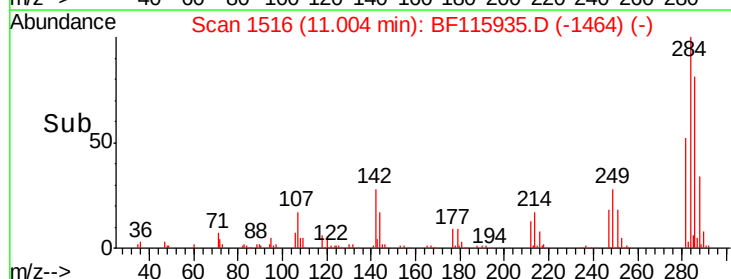
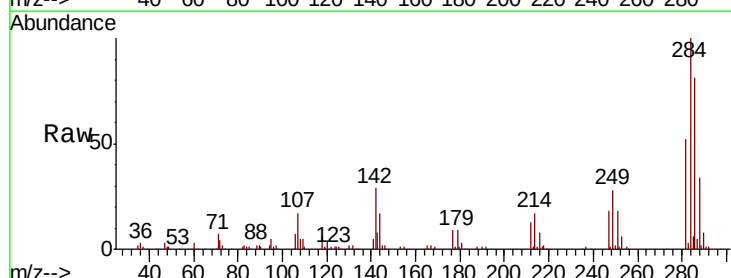
Manual Integrations
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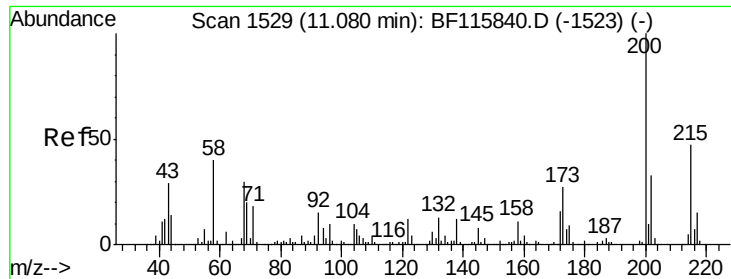
mohammad
 8/8/2019 4:44:00 PM



#68
 Hexachlorobenzene
 Concen: 39.467 ng
 RT: 11.00 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion:	284	Resp:	277279
Ion Ratio	Lower	Upper	
284	100		
142	29.0	28.2	42.2
249	28.5	24.0	36.0





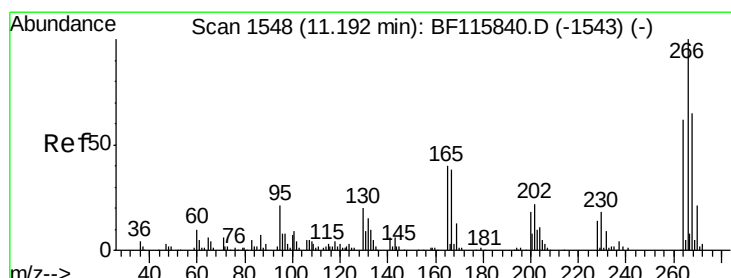
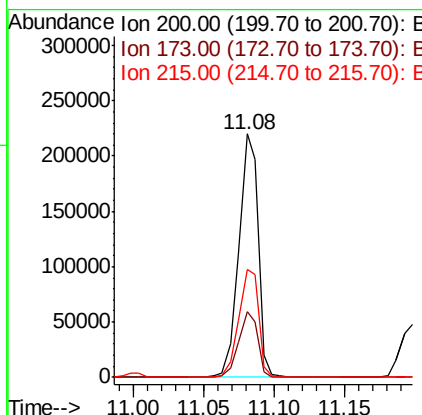
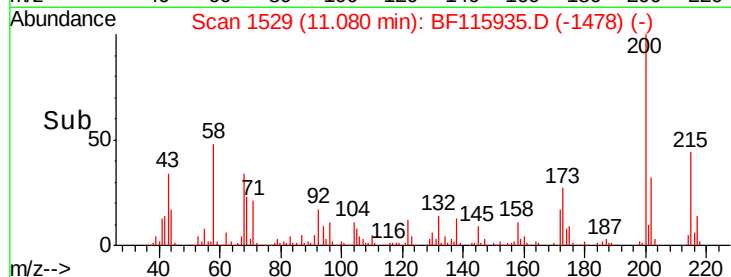
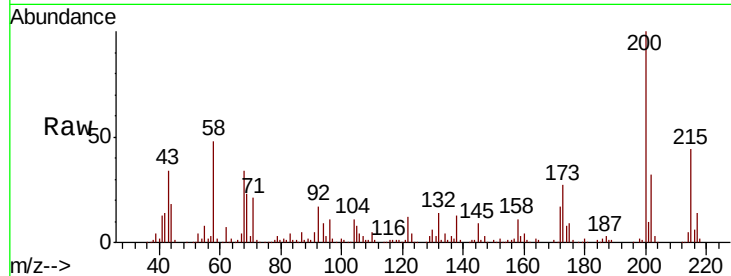
#69
 Atrazine
 Concen: 37.148 ng
 RT: 11.08 min Scan# 1529
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.3	47.3
215	44.5	26.9	66.9

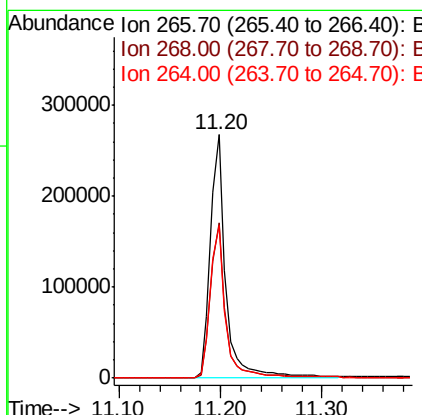
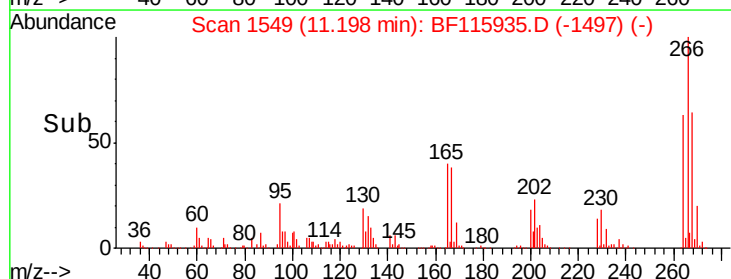
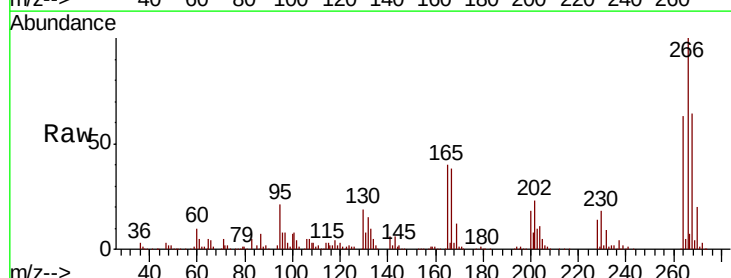
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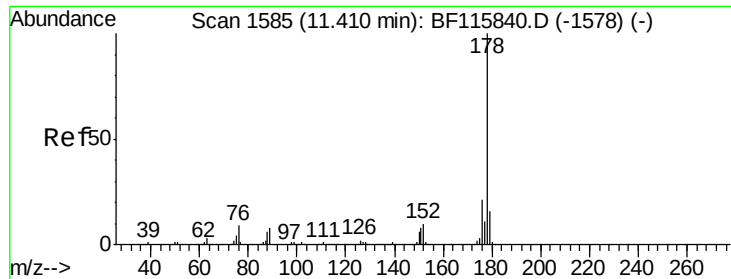
mohammad
 8/8/2019 4:44:00 PM



#70
 Pentachlorophenol
 Concen: 84.061 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.6	77.4
264	62.7	49.4	74.0





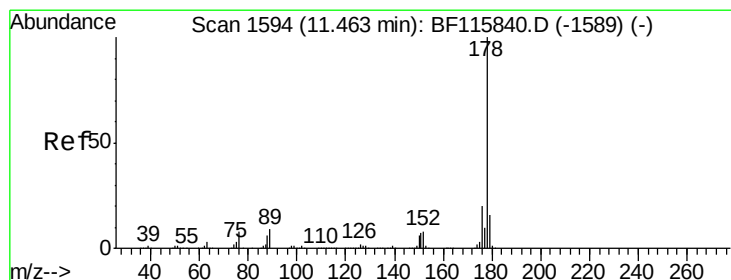
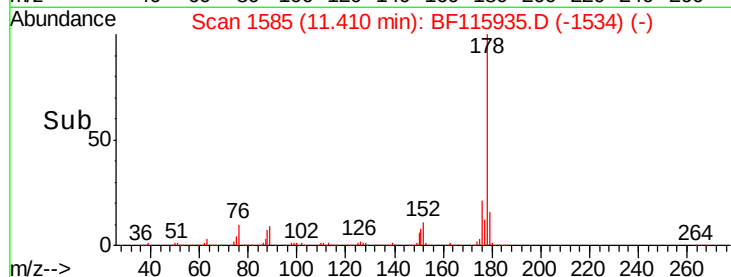
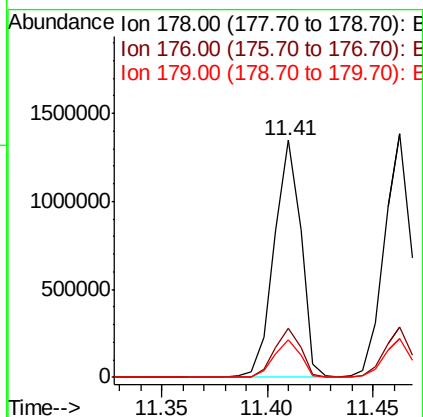
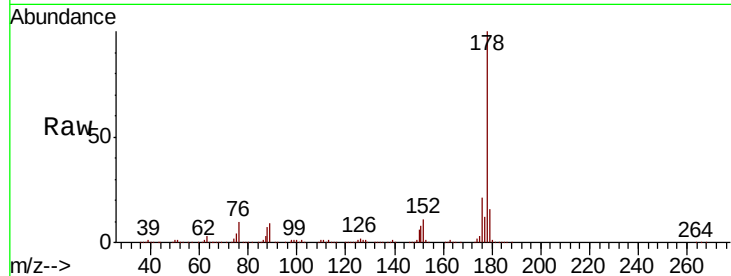
#71
Phenanthrene
Concen: 41.096 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.5	24.7
179	16.0	12.6	18.8

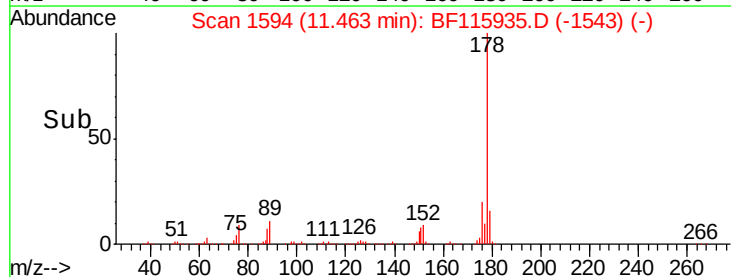
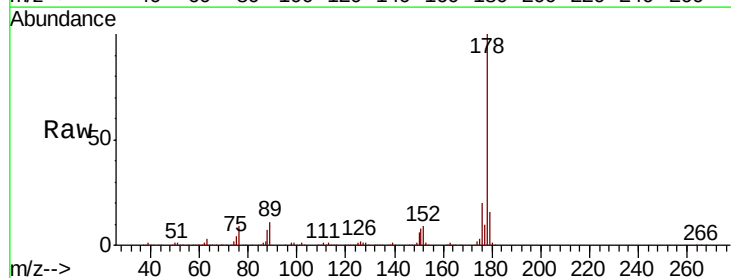
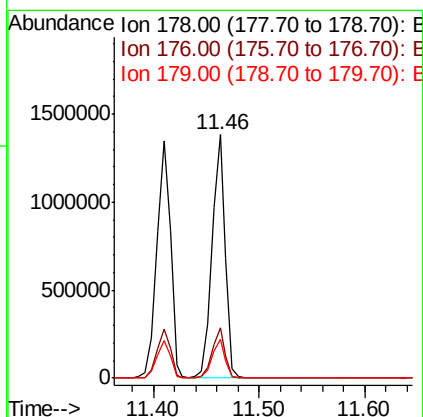
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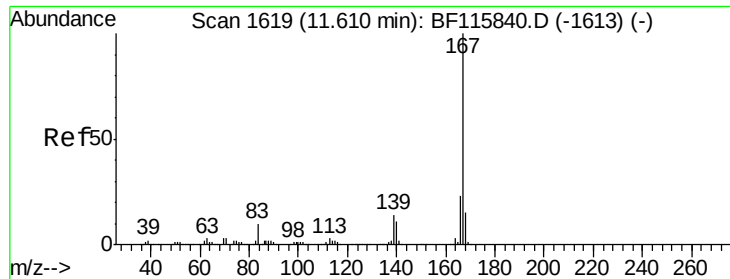
mohammad
8/8/2019 4:44:00 PM



#72
Anthracene
Concen: 41.583 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	16.2	12.4	18.6





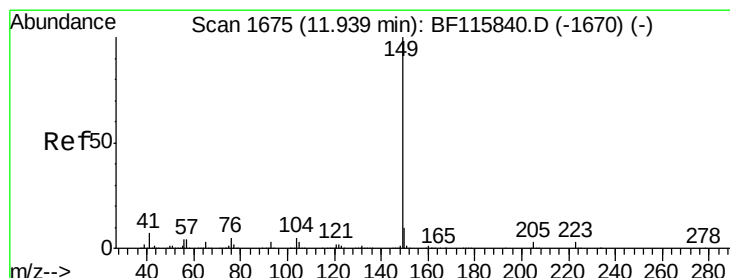
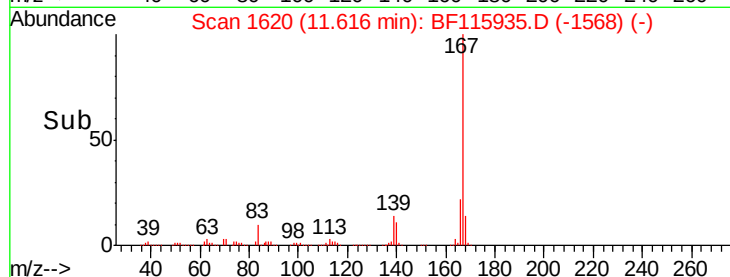
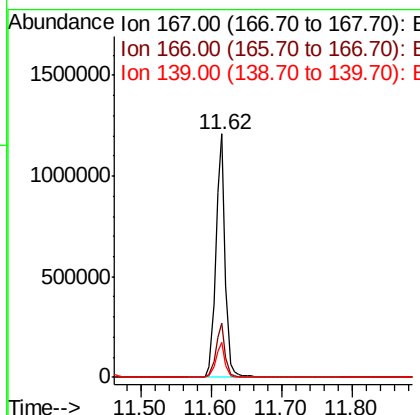
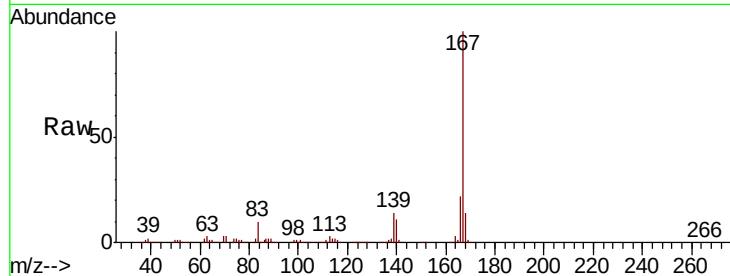
#73
 Carbazole
 Concen: 42.047 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.0	27.0
139	14.2	11.4	17.2

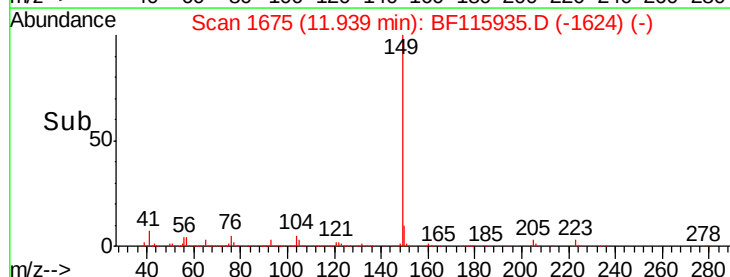
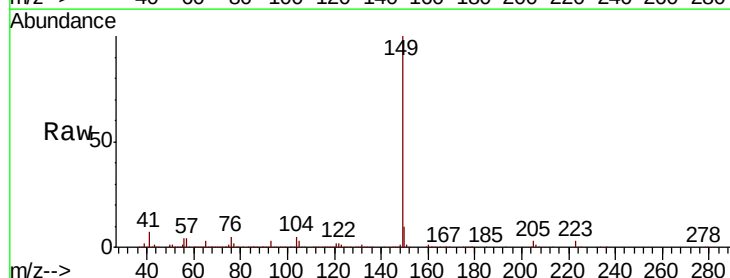
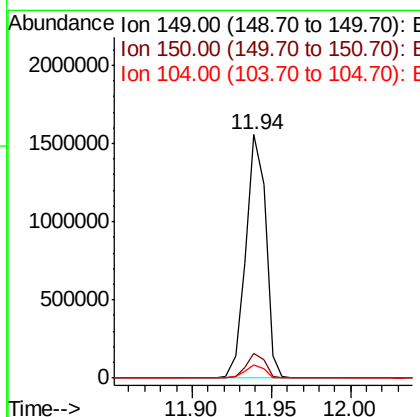
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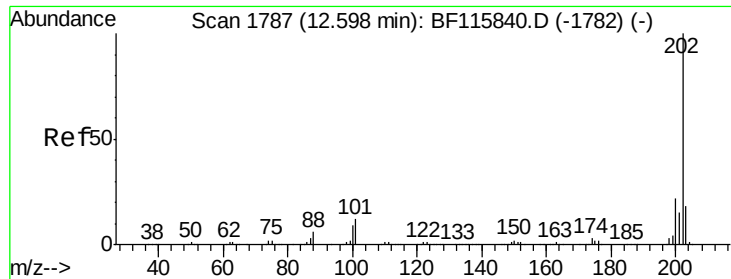
mohammad
 8/8/2019 4:44:00 PM



#74
 Di-n-butylphthalate
 Concen: 43.772 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.7	11.5
104	5.4	4.3	6.5





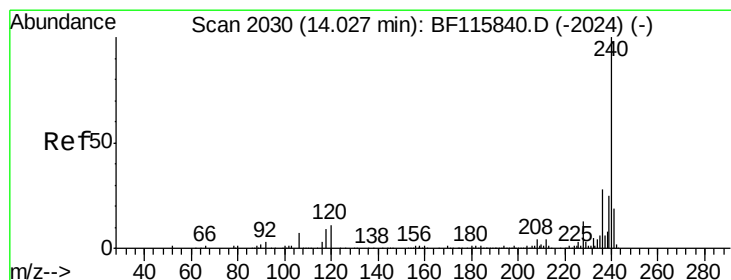
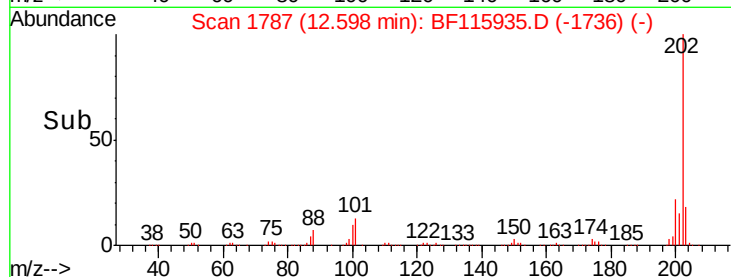
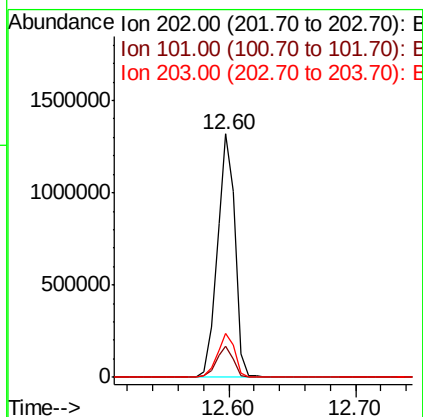
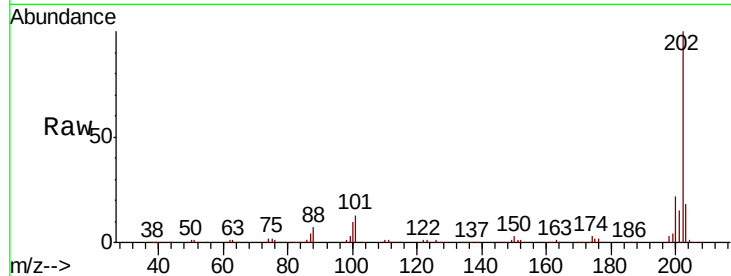
#75
 Fluoranthene
 Concen: 42.148 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1280290		
101	12.9		0.0	31.5
203	18.2		0.0	37.9

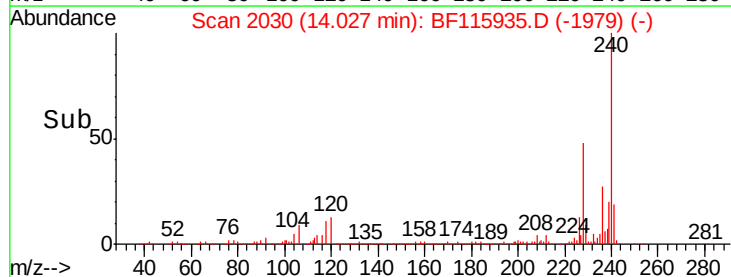
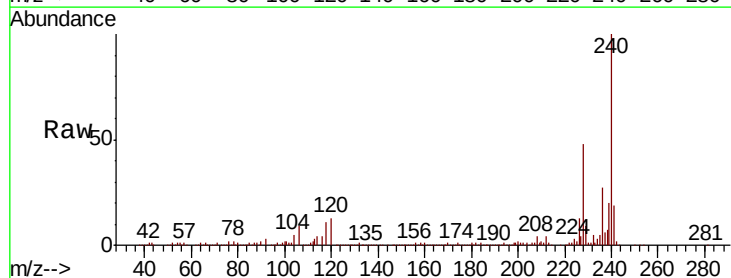
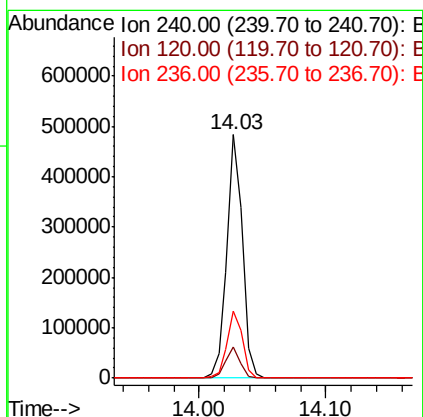
Manual Integrations
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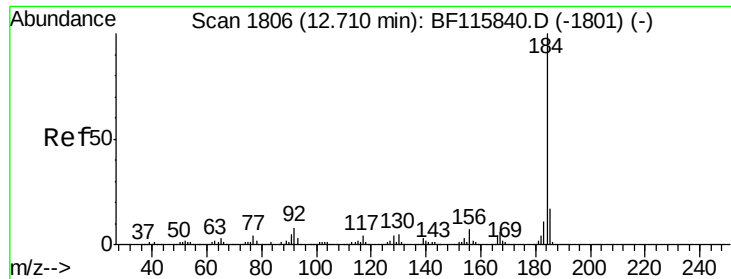
mohammad
 8/8/2019 4:44:00 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	411870		
120	12.6		8.5	12.7
236	27.3		22.2	33.2





#77

Benzidine

Concen: 14.718 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

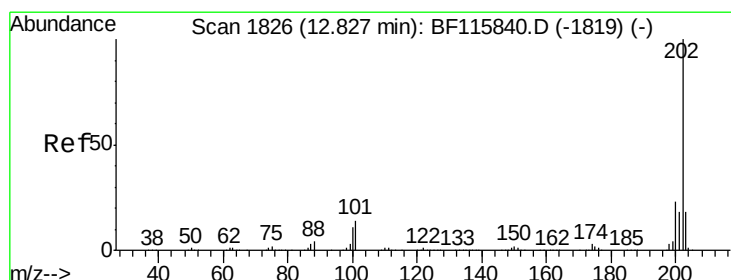
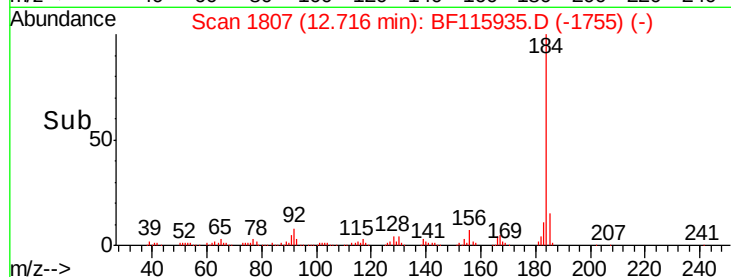
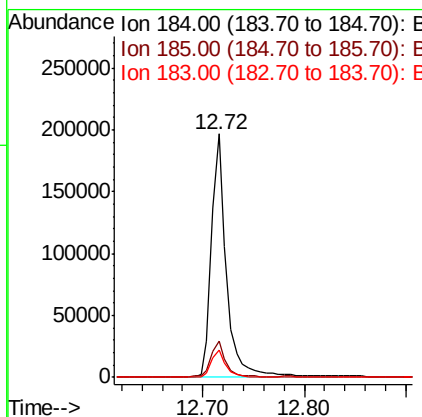
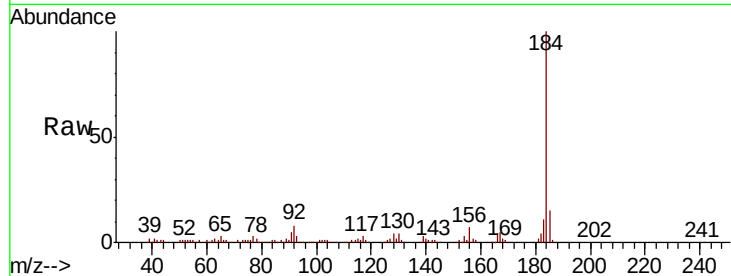
ClientSampleId :

PB121887BS

Tot Ion:	184	Resp:	204803
Ion Ratio	Lower	Upper	
184	100		
185	14.7	13.4	20.2
183	11.4	9.1	13.7

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#78

Pyrene

Concen: 42.346 ng

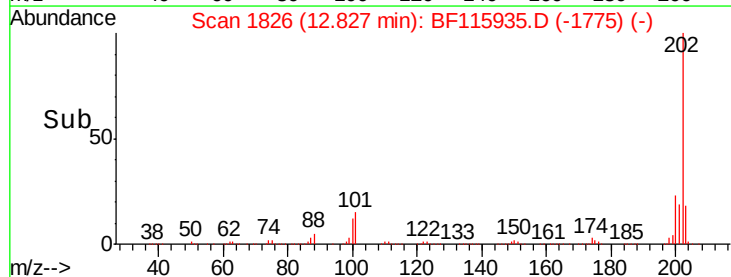
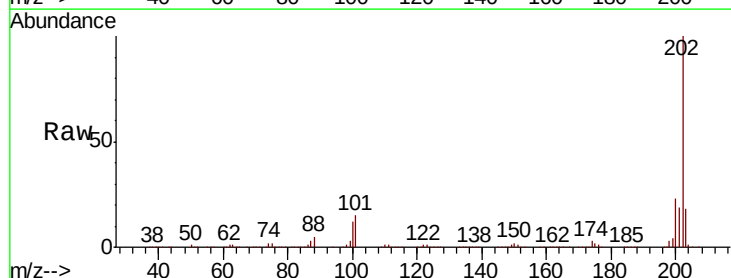
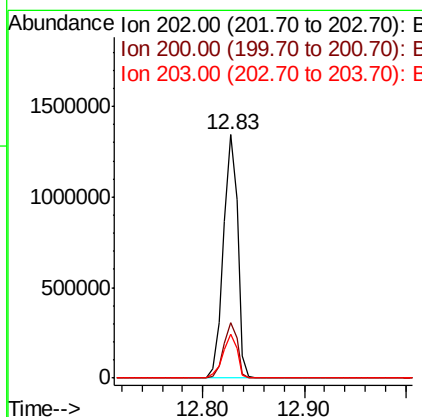
RT: 12.83 min Scan# 1826

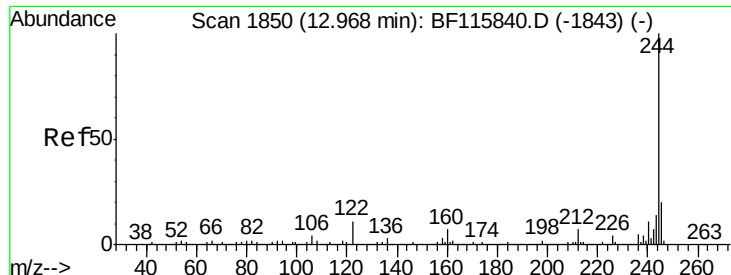
Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tgt Ion:	202	Resp:	1314743
Ion Ratio	Lower	Upper	
202	100		
200	22.7	18.2	27.2
203	18.2	14.3	21.5





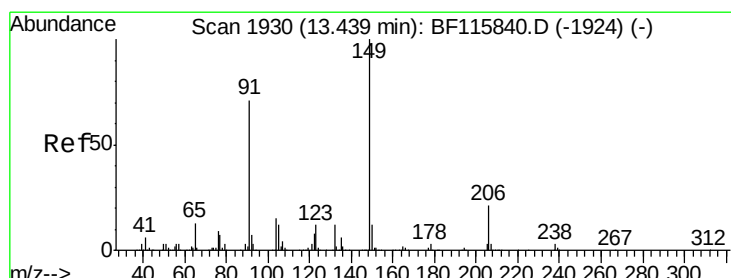
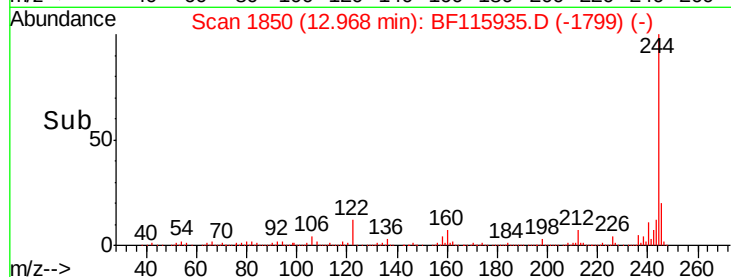
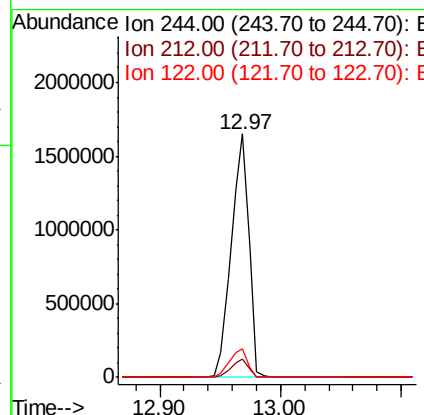
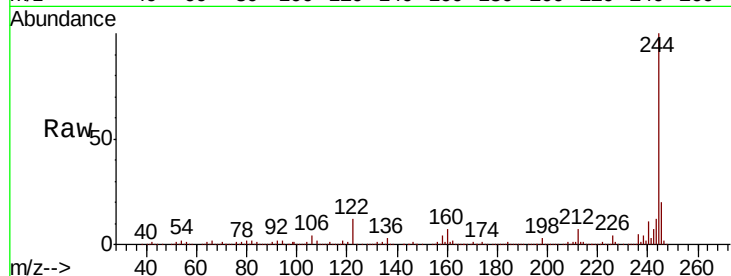
#79
 Terphenyl-d14
 Concen: 85.157 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.6	8.6	13.0

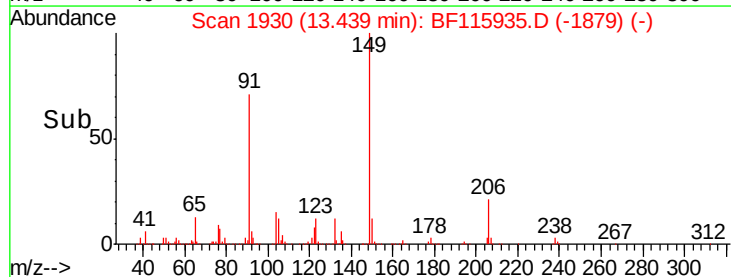
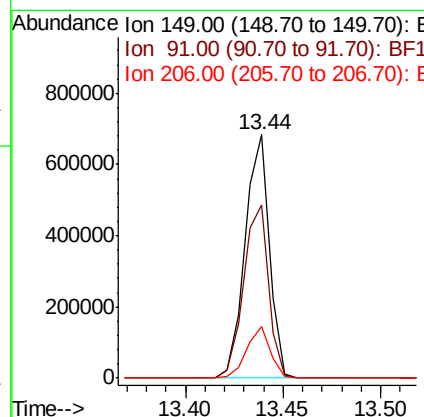
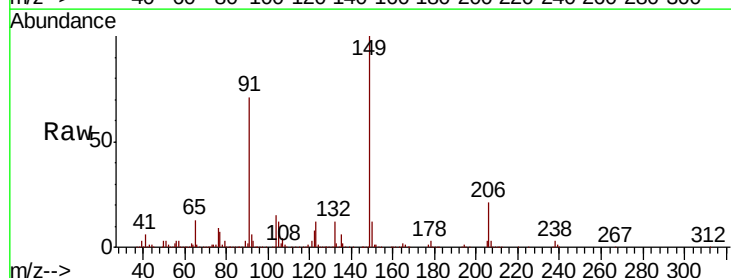
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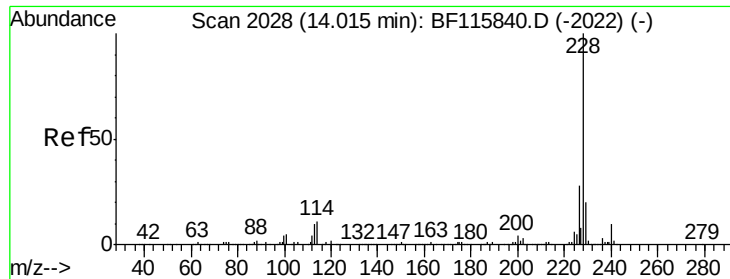
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#80
 Butylbenzylphthalate
 Concen: 44.945 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.3	57.0	85.6
206	21.3	16.9	25.3





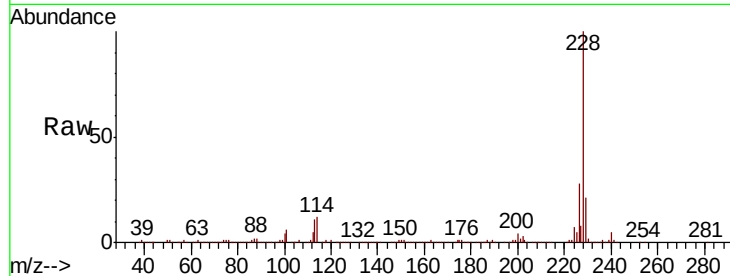
#81
Benzo(a)anthracene
Concen: 42.327 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.5	33.7
229	21.0	16.1	24.1

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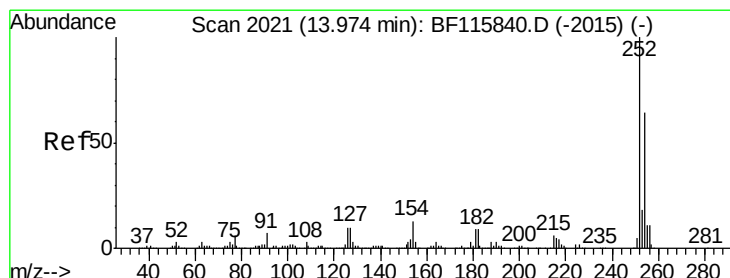
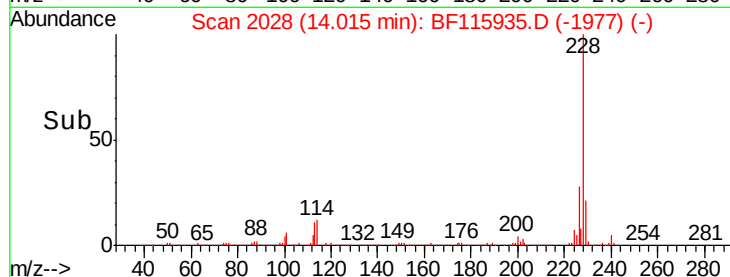
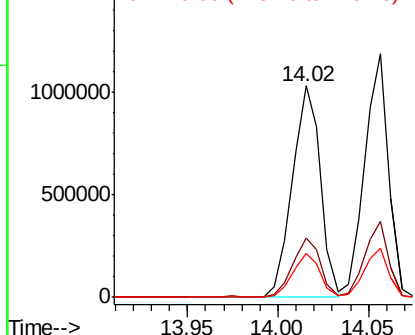


Abundance

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: 36.504 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

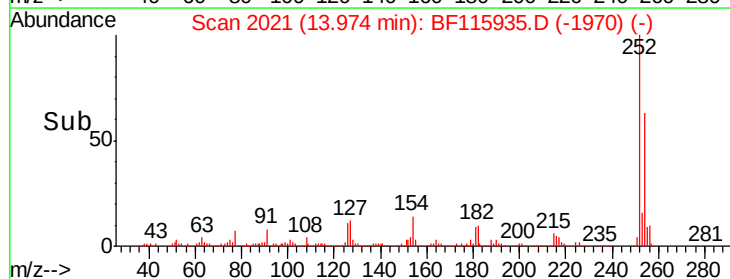
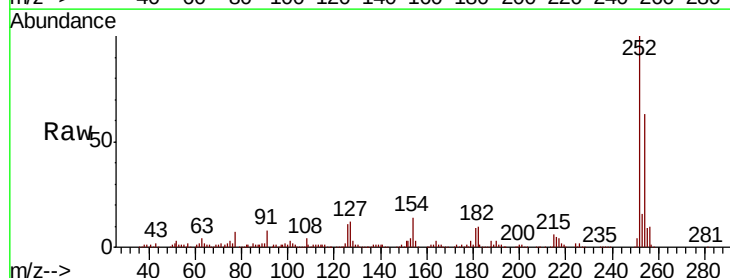
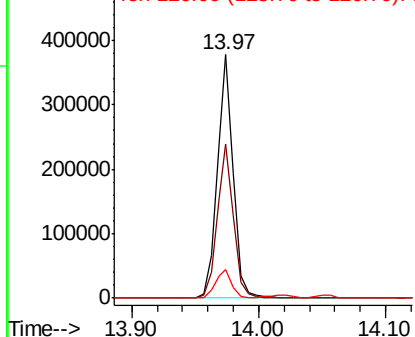
Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.2	76.8
126	11.5	8.1	12.1

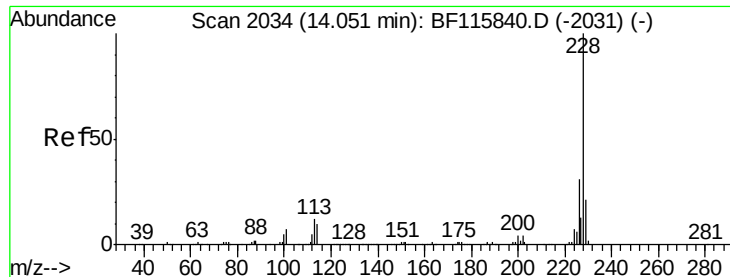
Abundance

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





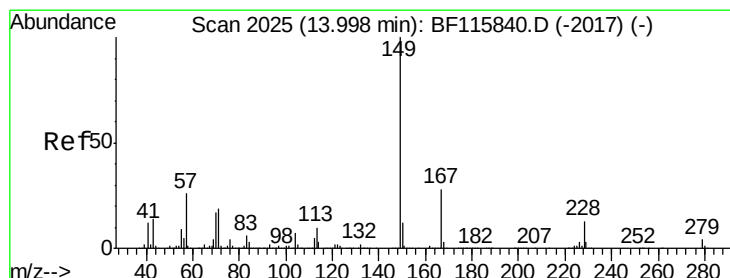
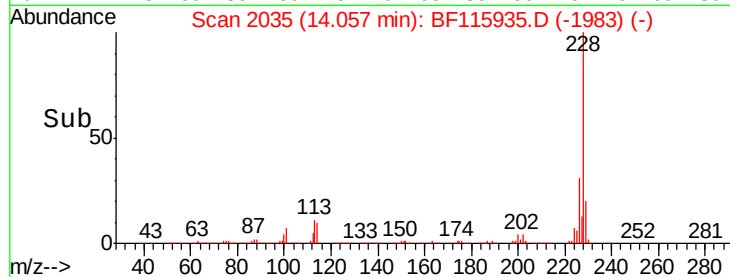
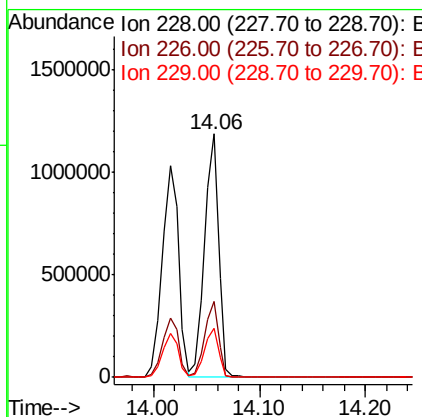
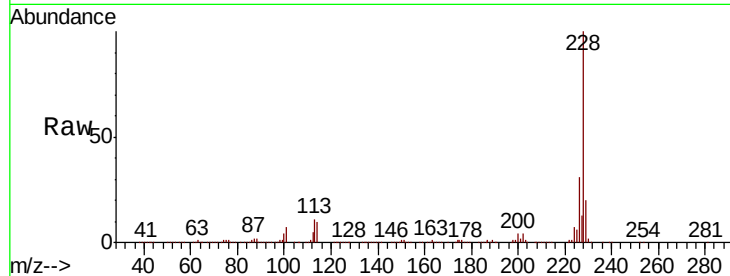
#83
 Chrysene
 Concen: 42.665 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Instrument :
 BNA_F
 ClientSampleId :
 PB121887BS

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	31.4	24.8	37.2	
229	20.2	16.4	24.6	

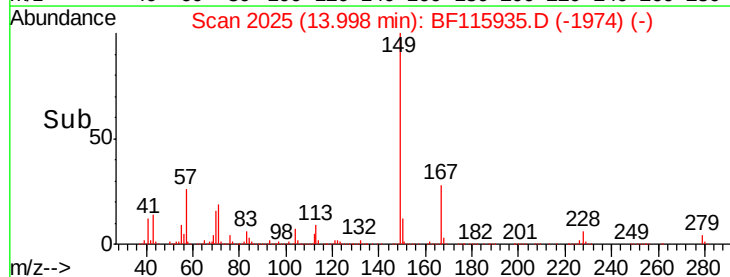
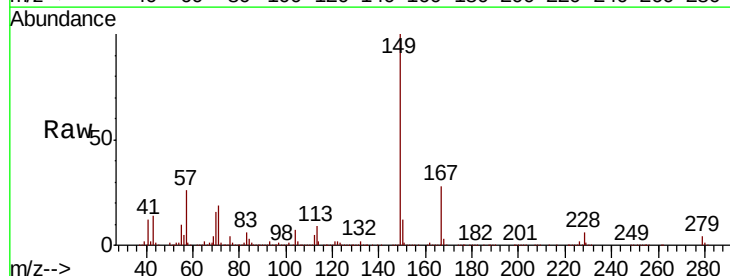
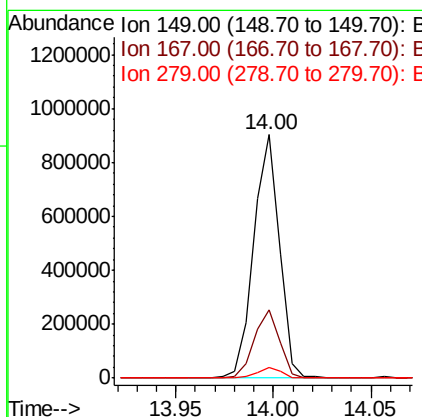
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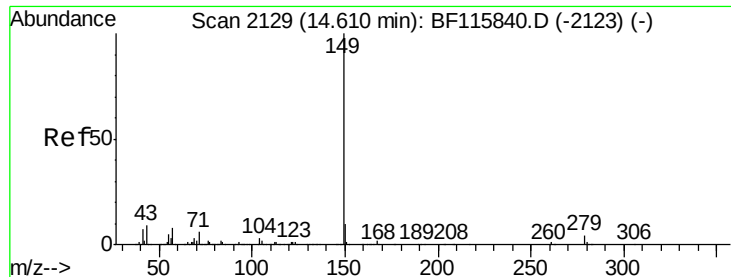
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.172 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115935.D
 Acq: 2 Aug 2019 10:00

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
167	27.9	22.4	33.6	
279	4.2	3.3	4.9	





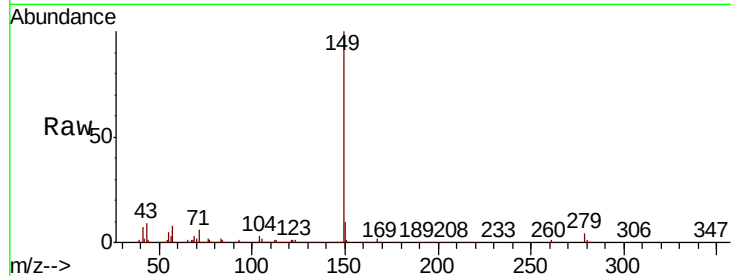
#85
Di-n-octyl phthalate
Concen: 48.248 ng
RT: 14.61 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

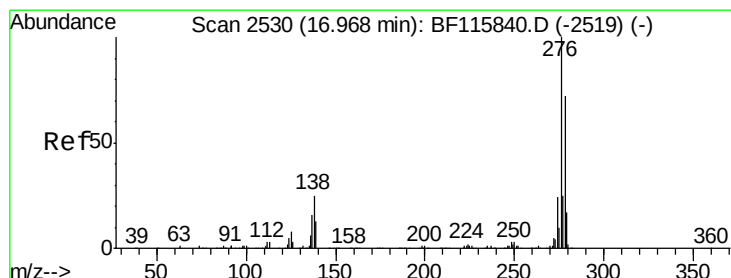
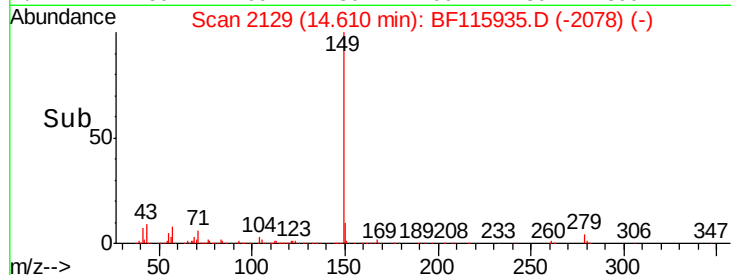
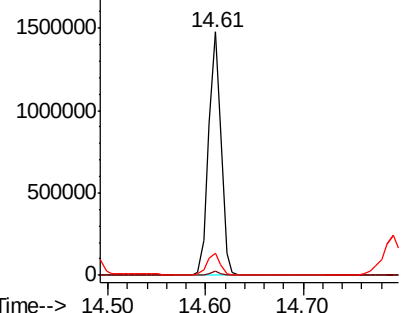
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.1	7.4	11.0

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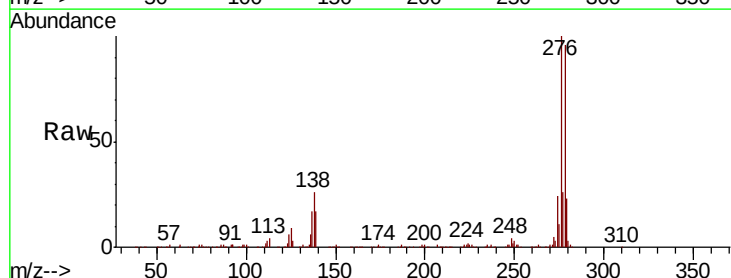


Abundance Ion 149.00 (148.70 to 149.70): E
2000000
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

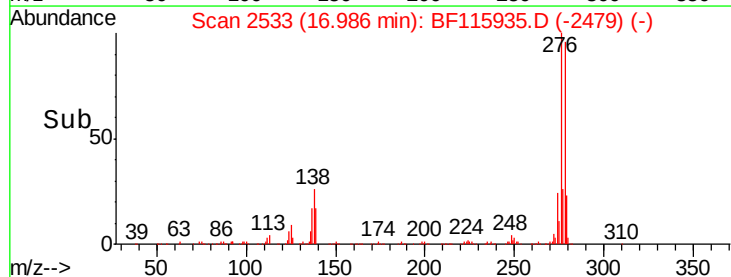
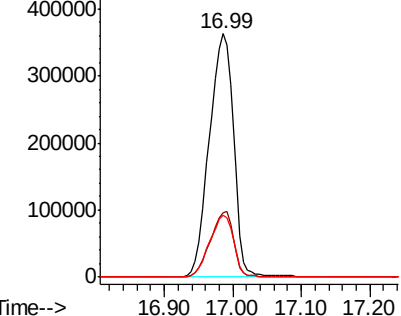


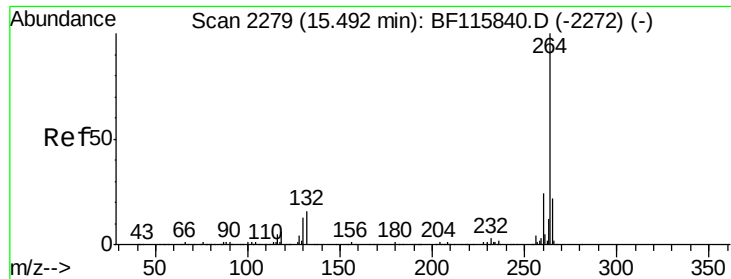
#86
Indeno(1,2,3-cd)pyrene
Concen: 41.586 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.02 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	19.6	29.4
277	25.2	20.1	30.1



Abundance Ion 276.00 (275.70 to 276.70): E
500000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Instrument :

BNA_F

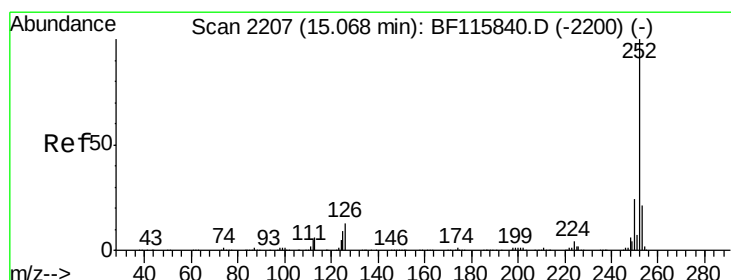
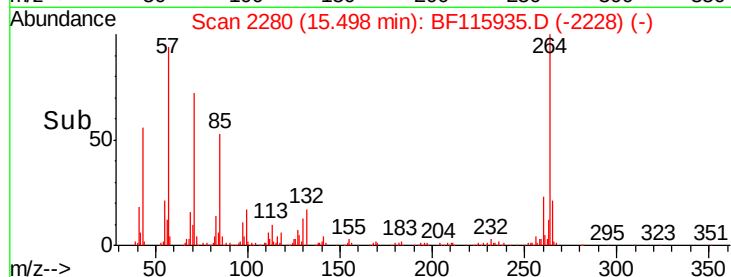
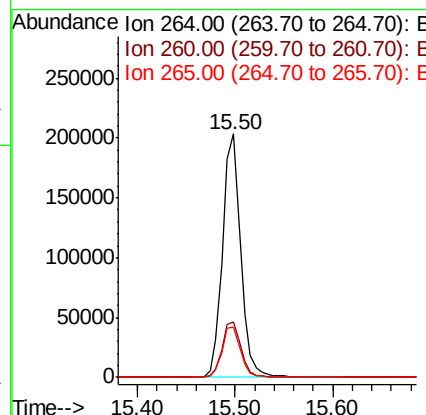
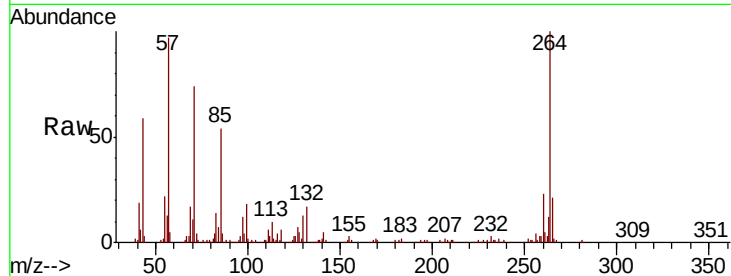
ClientSampled :

PB121887BS

Tot Ion:	264	Resp:	264085
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.4	29.2
265	20.8	17.5	26.3

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#88

Benzo(b)fluoranthene

Concen: 67.401 ng m

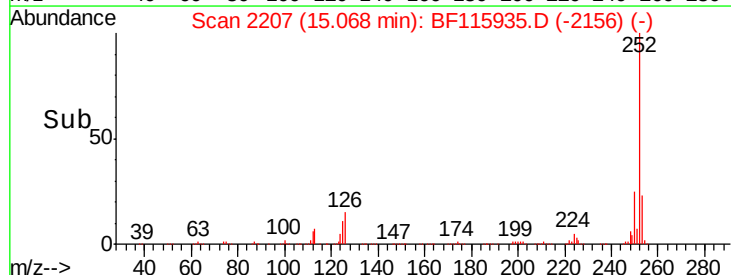
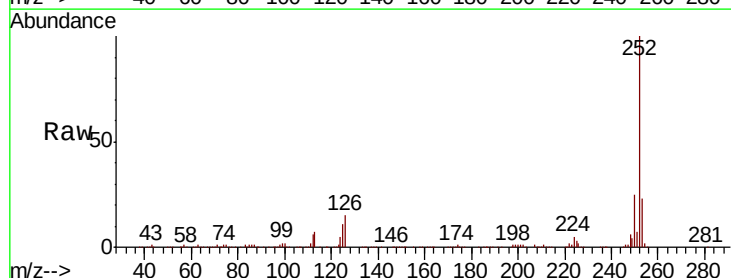
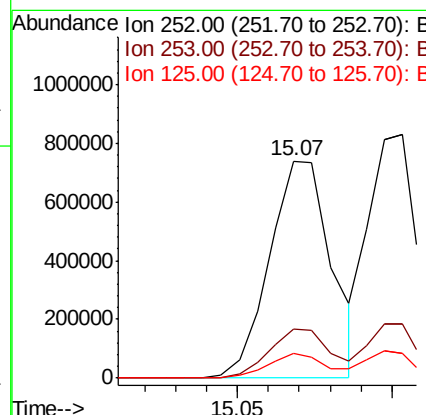
RT: 15.07 min Scan# 2207

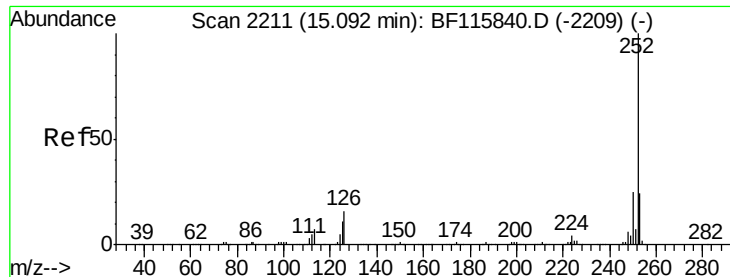
Delta R.T. 0.00 min

Lab File: BF115935.D

Acq: 2 Aug 2019 10:00

Tgt Ion:	252	Resp:	1029190
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.2	25.8
125	11.3	7.4	11.0#





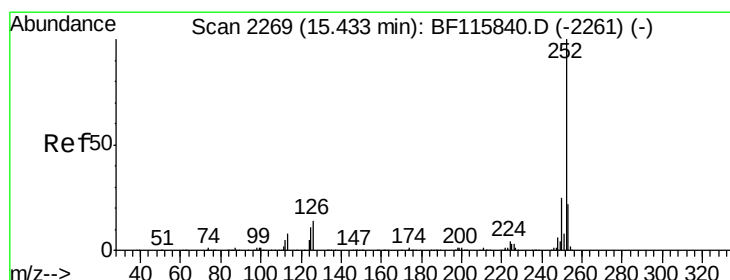
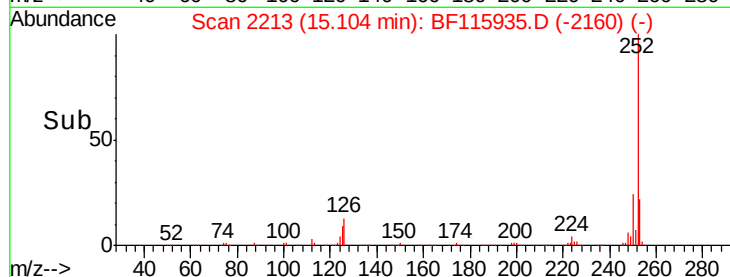
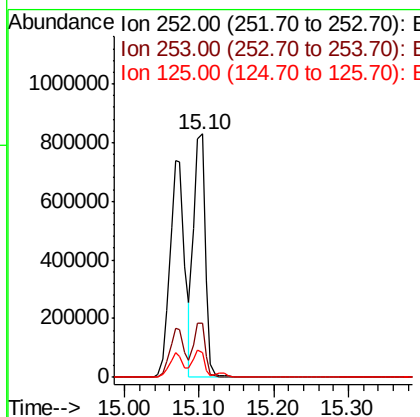
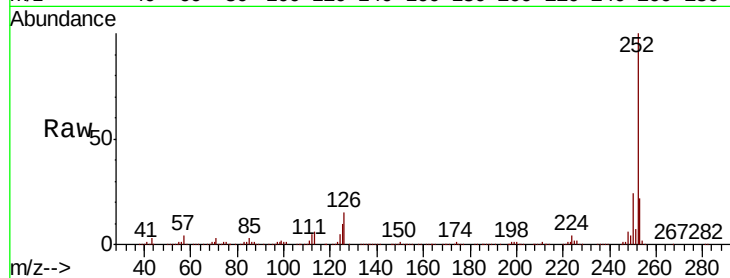
#89
Benzo(k)fluoranthene
Concen: 61.096 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleID :
PB121887BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	10.0	8.9	13.3

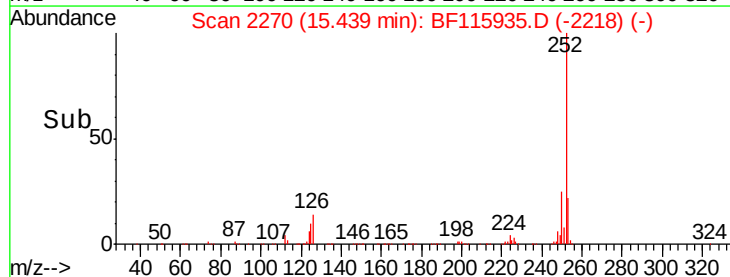
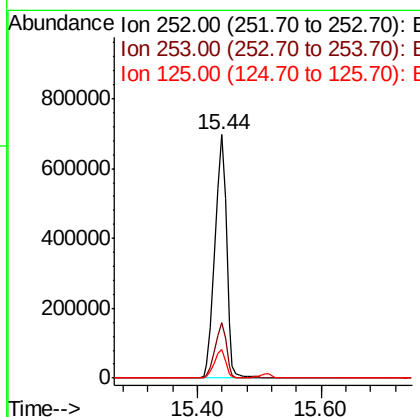
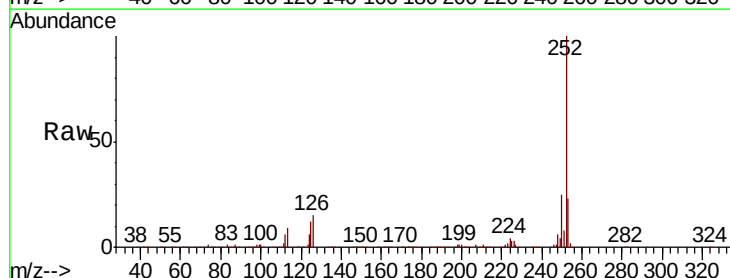
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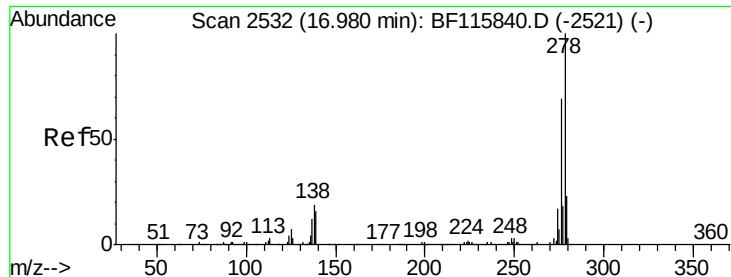
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#90
Benzo(a)pyrene
Concen: 65.551 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.0	8.8	13.2





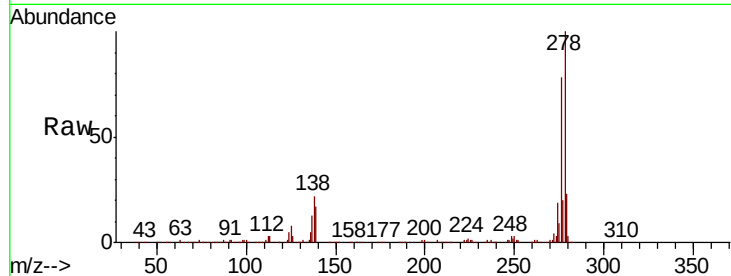
#91
Dibenzo(a,h)anthracene
Concen: 65.010 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Instrument :
BNA_F
ClientSampleId :
PB121887BS

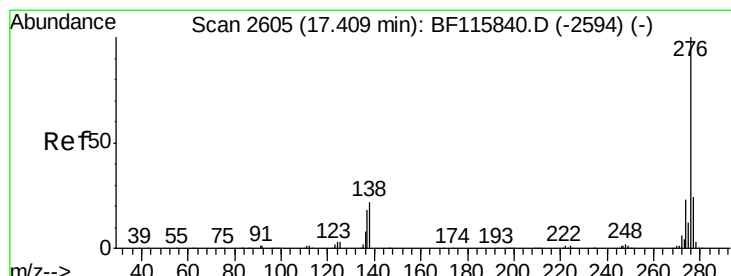
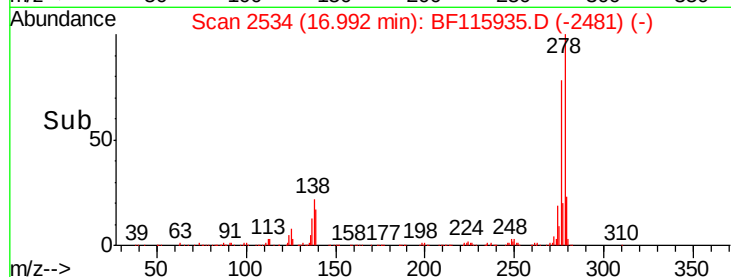
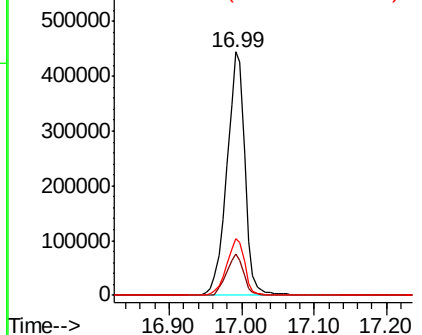
Tot Ion:278	Resp:	768124
Ion Ratio	Lower	Upper
278 100		
139 16.8	12.6	19.0
279 23.2	18.8	28.2

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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: 64.043 ng
RT: 17.43 min Scan# 2609
Delta R.T. 0.02 min
Lab File: BF115935.D
Acq: 2 Aug 2019 10:00

Tgt Ion:276	Resp:	743154
Ion Ratio	Lower	Upper
276 100		
277 23.7	19.5	29.3
138 21.3	17.8	26.8

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

