

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116172.D
 Acq On : 11 Aug 2019 3:38
 Operator : HP/JU
 Sample : K4293-04MSD
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:04 AM

Quant Time: Aug 12 04:18:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	130721	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	504235	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	256819	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	395275	20.00	ng	0.00
76) Chrysene-d12	14.00	240	260478	20.00	ng	0.00
87) Perylene-d12	15.47	264	278224	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1016539	130.18	ng	0.00
7) Phenol-d6	6.49	99	1317595	133.74	ng	0.00
23) Nitrobenzene-d5	7.40	82	852967	97.64	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	315599	126.75	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1372346	100.09	ng	-0.01
79) Terphenyl-d14	12.94	244	1245431	100.75	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.64	88	141102	35.769	ng	98
3) Pyridine	3.40	79	376114	34.131	ng	99
4) n-Nitrosodimethylamine	3.35	42	163995	37.711	ng	99
6) Aniline	6.50	93	294748	20.891	ng	# 66
8) 2-Chlorophenol	6.63	128	384076	44.480	ng	98
9) Benzaldehyde	6.39	77	196784	28.949	ng	98
10) Phenol	6.50	94	505022	43.530	ng	86
11) bis(2-Chloroethyl)ether	6.57	93	374449	43.900	ng	97
12) 1,3-Dichlorobenzene	6.78	146	416107	41.698	ng	99
13) 1,4-Dichlorobenzene	6.86	146	423233	42.358	ng	99
14) 1,2-Dichlorobenzene	7.01	146	388819	42.261	ng	98
15) Benzyl Alcohol	6.99	79	316601	42.346	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.12	45	490360	42.147	ng	96
17) 2-Methylphenol	7.10	107	322095	44.053	ng	99
18) Hexachloroethane	7.35	117	145532	39.560	ng	98
19) n-Nitroso-di-n-propylamine	7.26	70	268573	43.992	ng	99
20) 3+4-Methylphenols	7.25	107	404189	46.715	ng	# 81
22) Acetophenone	7.25	105	524533	47.432	ng	98
24) Nitrobenzene	7.42	77	428577	45.438	ng	98
25) Isophorone	7.66	82	776581	46.492	ng	100
26) 2-Nitrophenol	7.74	139	206455	46.434	ng	98
27) 2,4-Dimethylphenol	7.77	122	347947	52.016	ng	98
28) bis(2-Chloroethoxy)methane	7.86	93	483167	46.669	ng	100
29) 2,4-Dichlorophenol	7.99	162	337592	47.798	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	359957	44.709	ng	99
31) Naphthalene	8.14	128	1096599	46.215	ng	99
32) Benzoic acid	7.91	122	88317	18.727	ng	94
33) 4-Chloroaniline	8.19	127	127599	12.035	ng	98
34) Hexachlorobutadiene	8.26	225	204622	44.125	ng	99
35) Caprolactam	8.57	113	98321m	43.042	ng	
36) 4-Chloro-3-methylphenol	8.69	107	347322	47.270	ng	97
37) 2-Methylnaphthalene	8.83	142	731214	46.791	ng	98
38) 1-Methylnaphthalene	8.93	142	677992	45.860	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	335202	48.822	ng	100

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 ClientSampleId :
 PE-4MSD

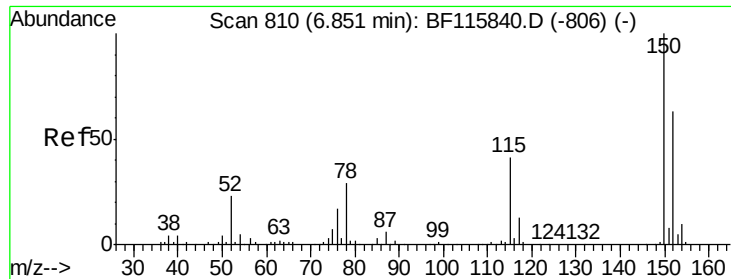
Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:55:04 AM

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	78002	29.355	ng	98
43) 2,4,6-Trichlorophenol	9.12	196	212798	45.029	ng	98
44) 2,4,5-Trichlorophenol	9.16	196	226584	46.383	ng	100
46) 1,1'-Biphenyl	9.29	154	881021	48.591	ng	99
47) 2-Chloronaphthalene	9.32	162	687990	45.591	ng	99
48) 2-Nitroaniline	9.42	65	221544	44.415	ng	95
49) Acenaphthylene	9.73	152	1026462	46.624	ng	99
50) Dimethylphthalate	9.59	163	997778	57.060	ng	99
51) 2,6-Dinitrotoluene	9.66	165	178157	46.882	ng	94
52) Acenaphthene	9.91	154	610681	45.214	ng	99
53) 3-Nitroaniline	9.83	138	115601	24.619	ng	98
54) 2,4-Dinitrophenol	9.96	184	43745	28.235	ng	98
55) Dibenzofuran	10.08	168	885600	45.088	ng	100
56) 4-Nitrophenol	10.01	139	232300	77.228	ng	95
57) 2,4-Dinitrotoluene	10.07	165	216668	42.824	ng	97
58) Fluorene	10.42	166	697145	46.132	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.20	232	180455	43.907	ng	99
60) Diethylphthalate	10.29	149	801238	49.078	ng	99
61) 4-Chlorophenyl-phenylether	10.41	204	361164	47.190	ng	98
62) 4-Nitroaniline	10.45	138	177441	36.567	ng	99
63) Azobenzene	10.57	77	780245	46.465	ng	95
65) 4,6-Dinitro-2-methylphenol	10.49	198	49814	23.781	ng	85
66) n-Nitrosodiphenylamine	10.53	169	639669	53.766	ng	99
67) 4-Bromophenyl-phenylether	10.90	248	217148	51.318	ng	97
68) Hexachlorobenzene	10.98	284	227633	46.523	ng	93
69) Atrazine	11.06	200	202723	51.794	ng	99
70) Pentachlorophenol	11.17	266	171294	72.108	ng	97
71) Phenanthrene	11.39	178	949437	46.985	ng	100
72) Anthracene	11.44	178	1006667	49.224	ng	99
73) Carbazole	11.59	167	887439	47.831	ng	99
74) Di-n-butylphthalate	11.92	149	1180289	54.532	ng	99
75) Fluoranthene	12.57	202	925316	43.740	ng	99
77) Benzidine	12.69	184	461851	52.483	ng	98
78) Pyrene	12.80	202	916746	46.689	ng	100
80) Butylbenzylphthalate	13.41	149	433450	52.187	ng	96
81) Benzo(a)anthracene	13.99	228	779502	46.820	ng	99
82) 3,3'-Dichlorobenzidine	13.95	252	226595	39.175	ng	99
83) Chrysene	14.03	228	768875	47.569	ng	97
84) Bis(2-ethylhexyl)phthalate	13.97	149	622776	57.700	ng	99
85) Di-n-octyl phthalate	14.57	149	1007305	58.757	ng	99
86) Indeno(1,2,3-cd)pyrene	16.95	276	721822	53.171	ng	99
88) Benzo(b)fluoranthene	15.04	252	742693	46.167	ng	100
89) Benzo(k)fluoranthene	15.07	252	742554	47.390	ng	99
90) Benzo(a)pyrene	15.41	252	718362	49.953	ng	99
91) Dibenzo(a,h)anthracene	16.95	278	619710	49.784	ng	99
92) Benzo(g,h,i)perylene	17.39	276	586016	47.935	ng	100

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



#1

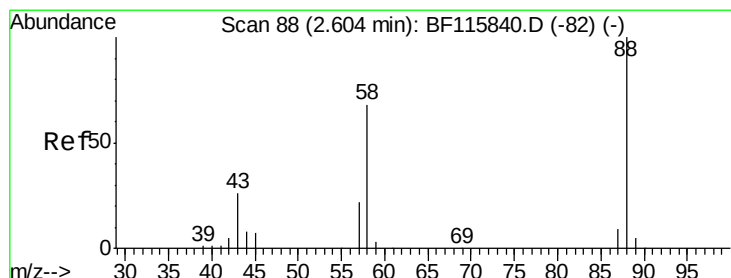
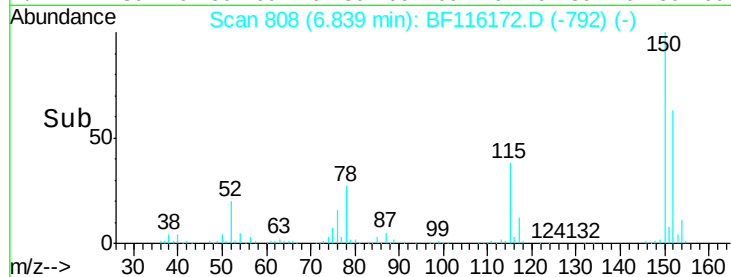
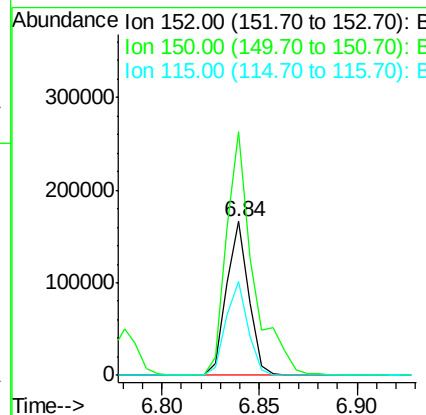
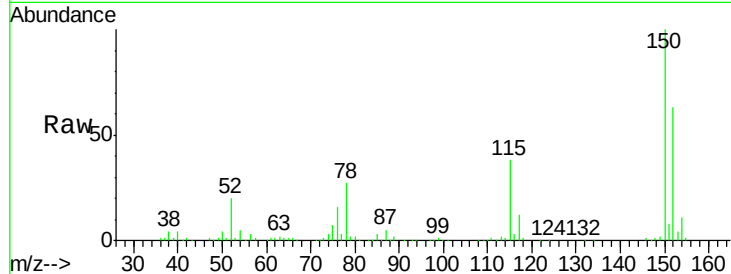
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	126.2	189.2
115	60.8	49.9	74.9

Manual Integrations
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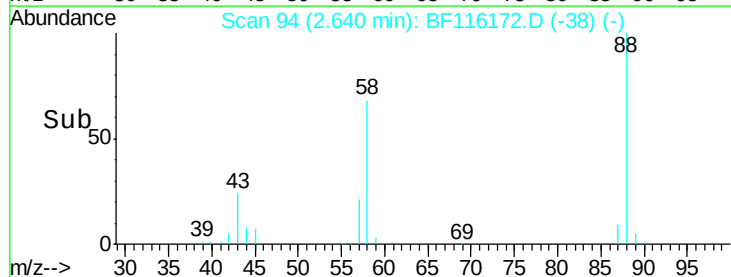
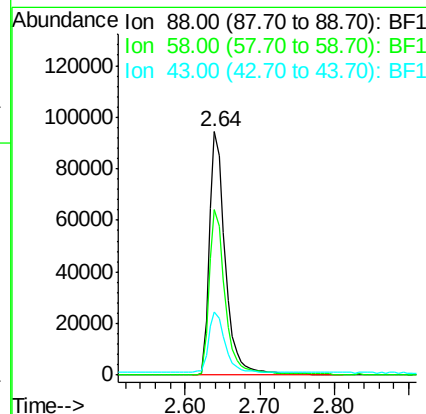
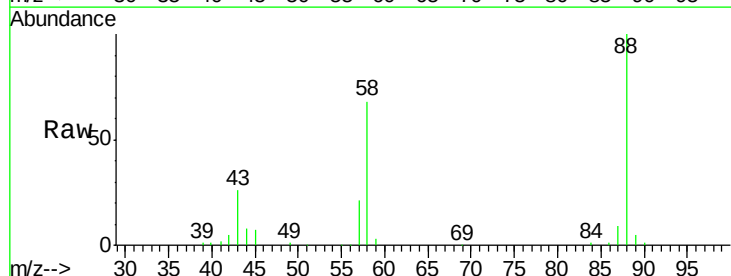
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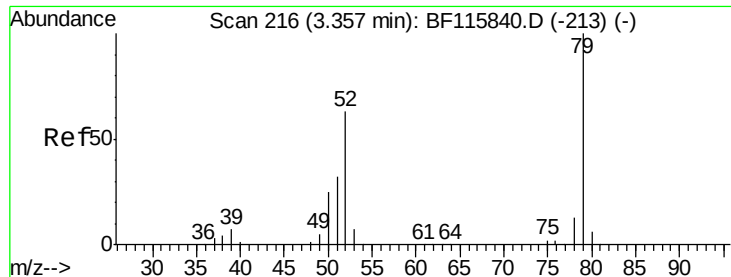


#2

1,4-Dioxane
Concen: 35.769 ng
RT: 2.64 min Scan# 94
Delta R.T. 0.03 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.9	53.7	80.5
43	25.0	21.0	31.4





#3

Pvridine

Concen: 34.131 ng

RT: 3.40 min Scan# 224

Delta R.T. 0.04 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

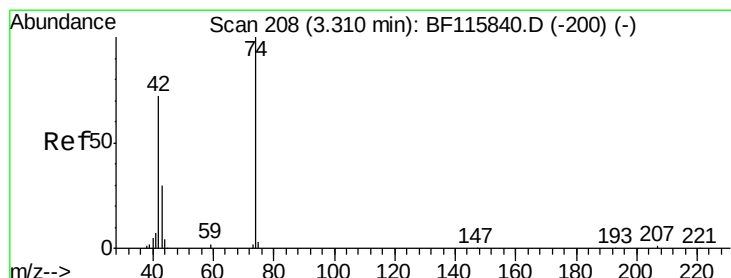
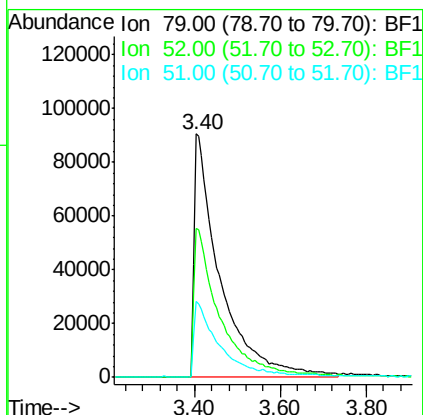
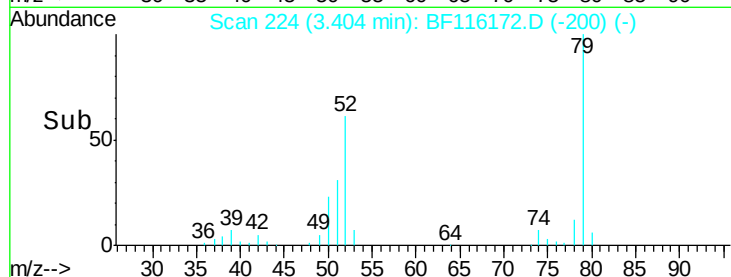
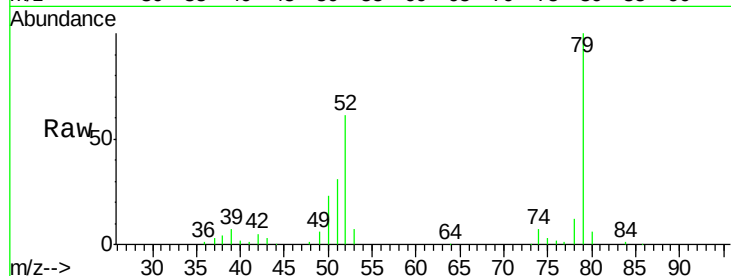
ClientSampleId :

PE-4MSD

Tot Ion:	79	Resp:	376114
Ion	Ratio	Lower	Upper
79	100		
52	61.3	49.8	74.8
51	31.3	25.2	37.8

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 37.711 ng

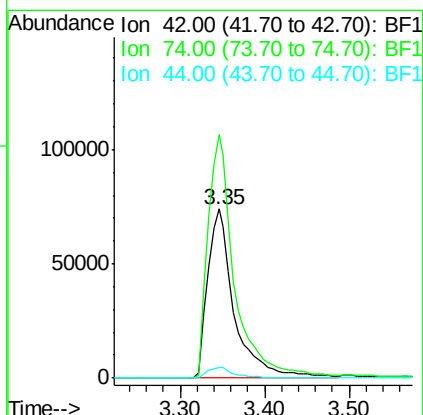
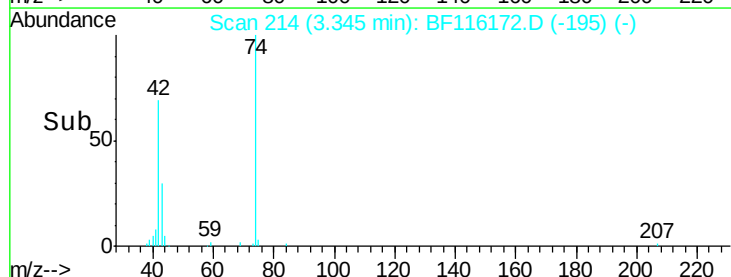
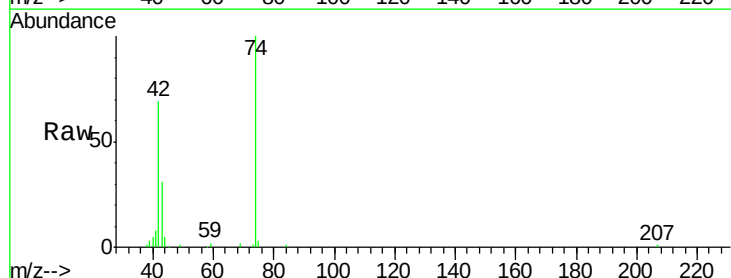
RT: 3.35 min Scan# 214

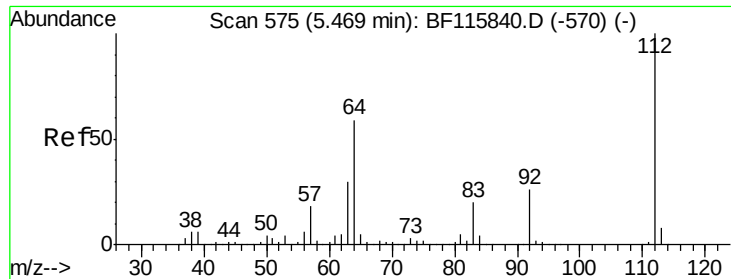
Delta R.T. 0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Tgt Ion:	42	Resp:	163995
Ion	Ratio	Lower	Upper
42	100		
74	144.3	116.0	174.0
44	6.5	4.6	7.0





#5

2-Fluorophenol

Concen: 130.182 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

ClientSampleId :

PE-4MSD

Tot Ion:112 Resp: 1016539

Ion Ratio Lower Upper

112 100

64 55.9 45.4 68.2

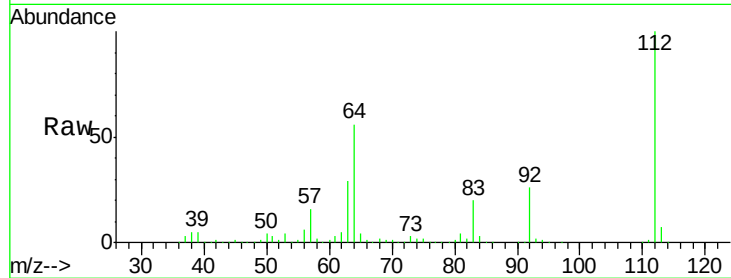
63 29.0 23.7 35.5

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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

1200000

1000000

800000

600000

400000

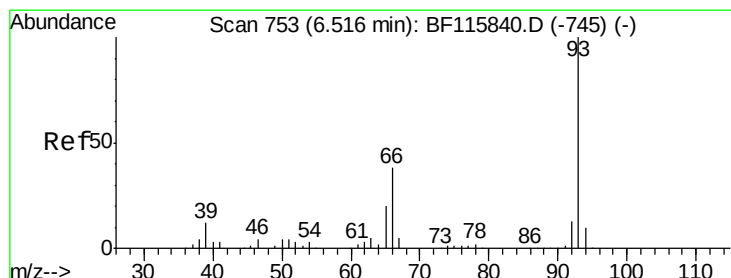
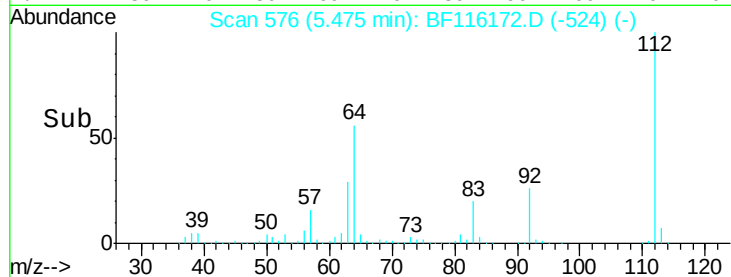
200000

0

5.47

5.40 5.50 5.60 5.70 5.80

Time-->



#6

Aniline

Concen: 20.891 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

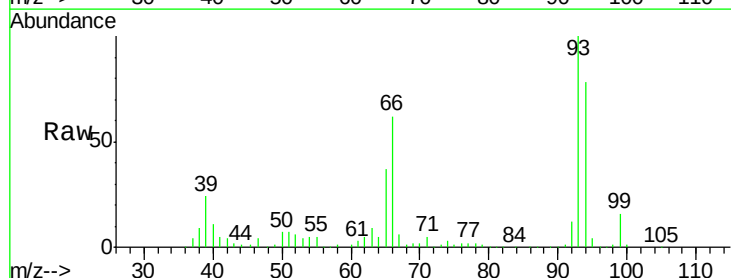
Tgt Ion: 93 Resp: 294748

Ion Ratio Lower Upper

93 100

66 61.7 32.2 48.4#

65 37.2 17.0 25.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

600000

500000

400000

300000

200000

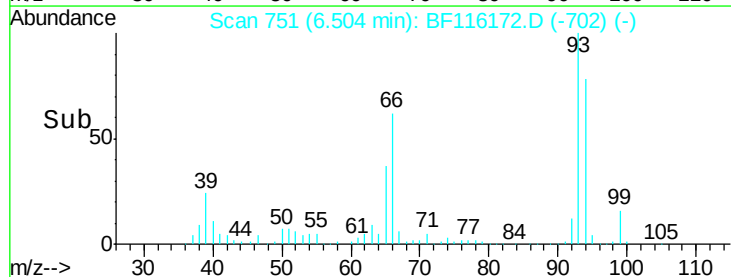
100000

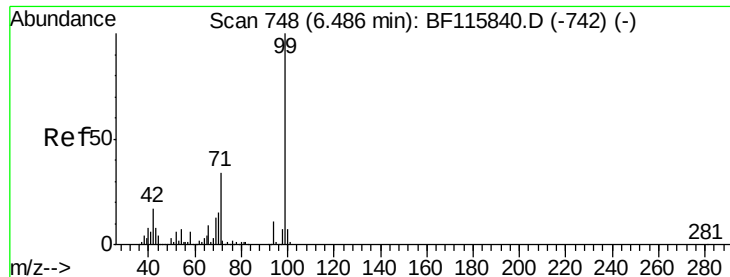
0

6.50

6.45 6.50 6.55

Time-->





#7

Phenol-d6

Concen: 133.740 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

ClientSampled :

PE-4MSD

Tot Ion: 99 Resp: 1317595

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.8

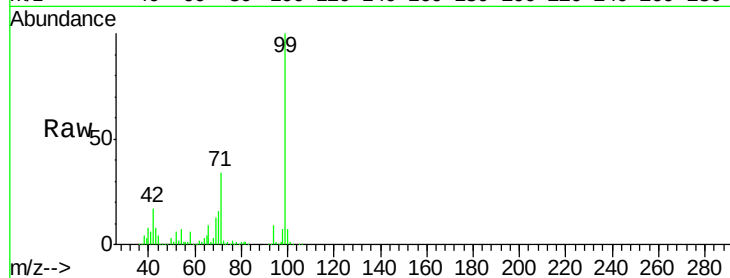
71 34.3 27.3 40.9

Manual Integrations

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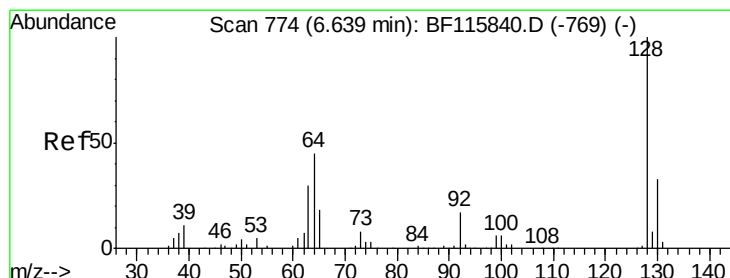
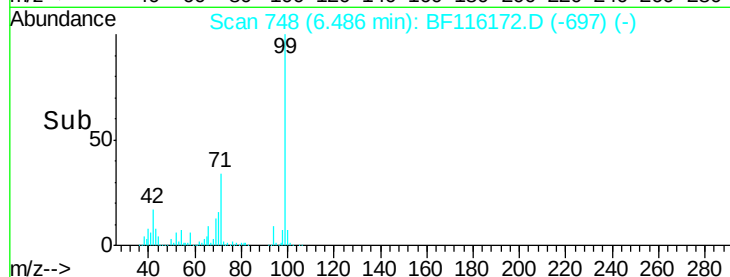
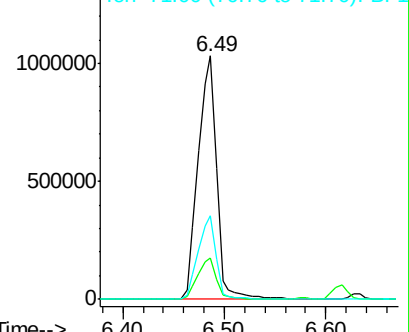
8/14/2019 2:55:04 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.480 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

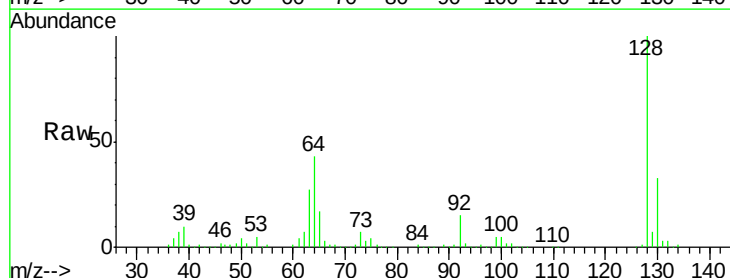
Tgt Ion: 128 Resp: 384076

Ion Ratio Lower Upper

128 100

130 33.1 12.9 52.9

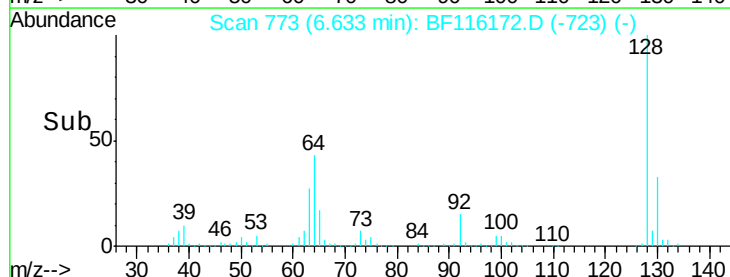
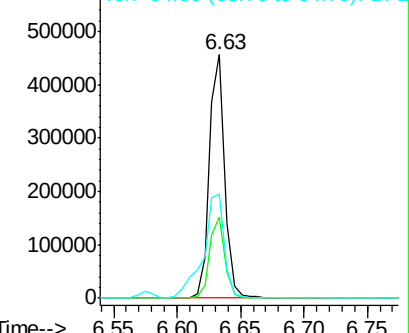
64 42.5 24.3 64.3

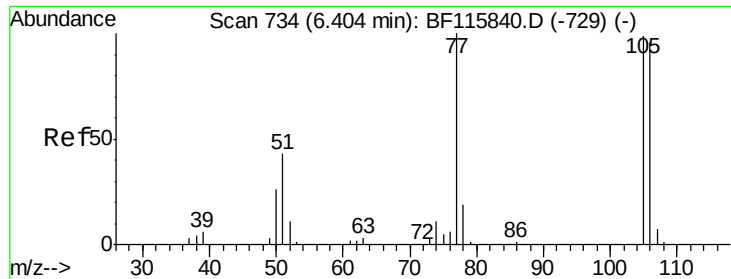


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





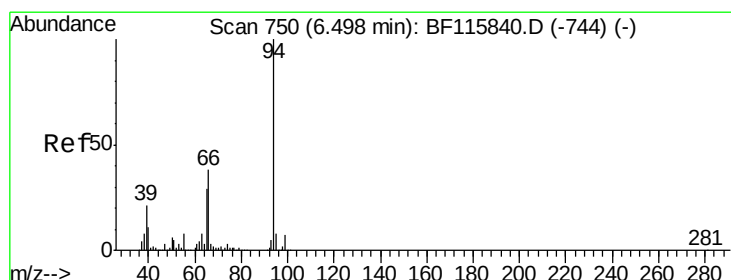
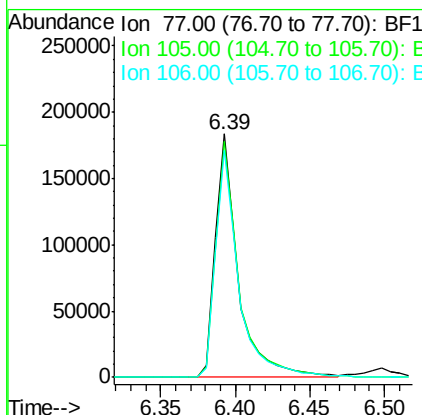
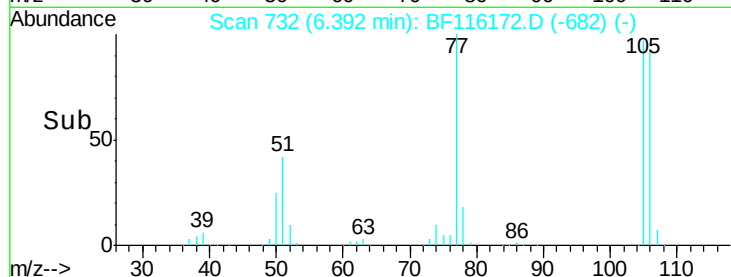
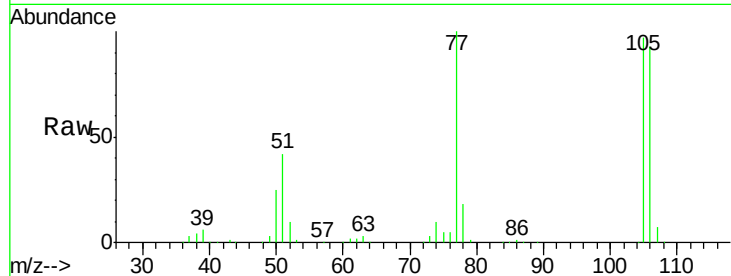
#9
Benzaldehyde
Concen: 28.949 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	96.9	79.2	119.2		
106	93.3	74.3	114.3		

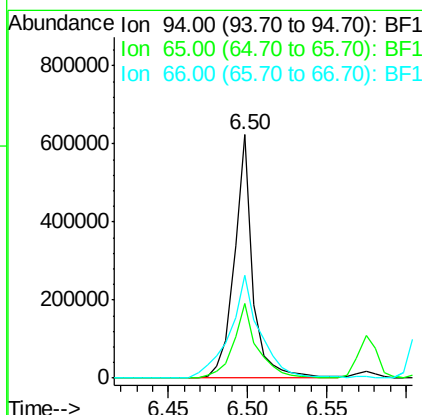
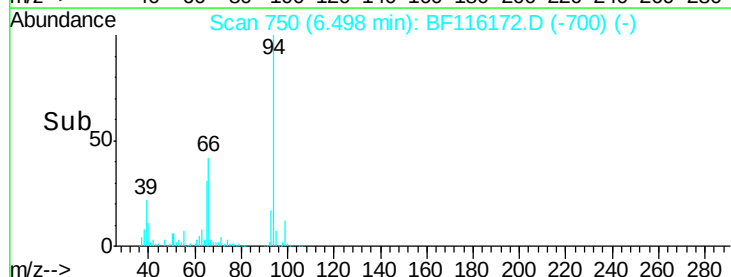
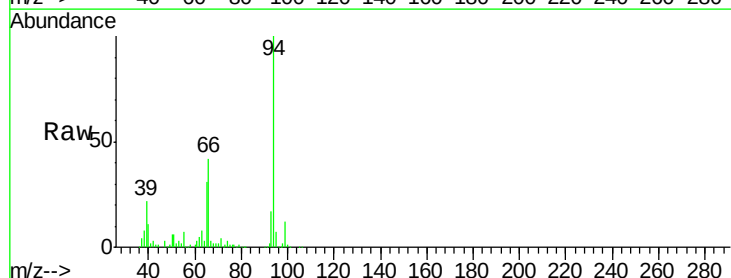
Manual Integrations
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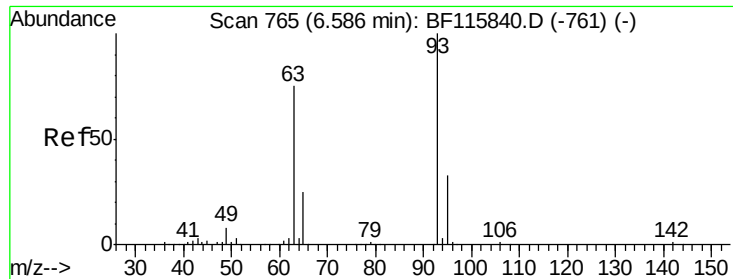
mohammad
8/14/2019 2:55:04 AM



#10
Phenol
Concen: 43.530 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	30.5	16.8	56.8		
66	42.1	34.2	74.2		





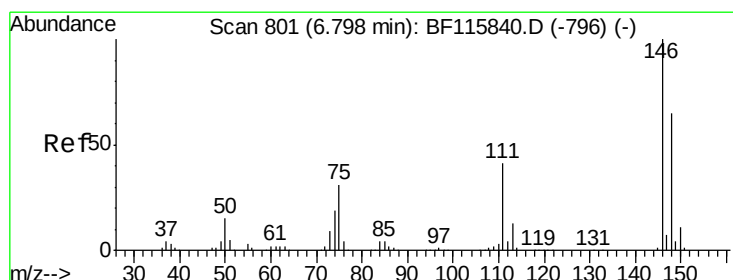
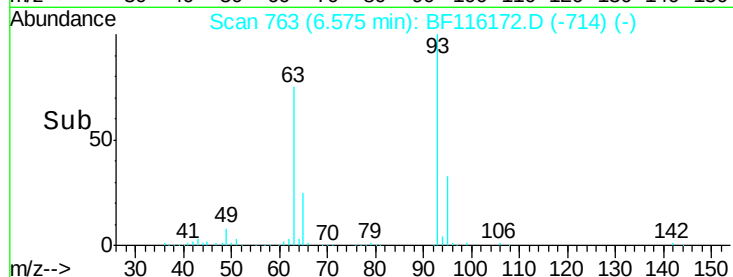
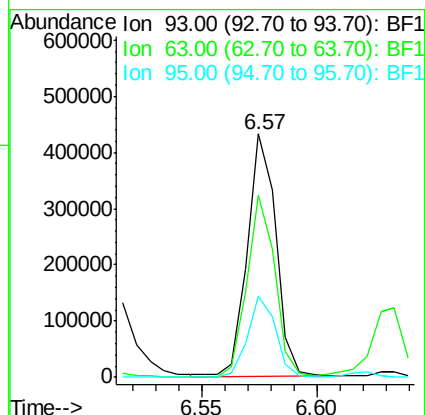
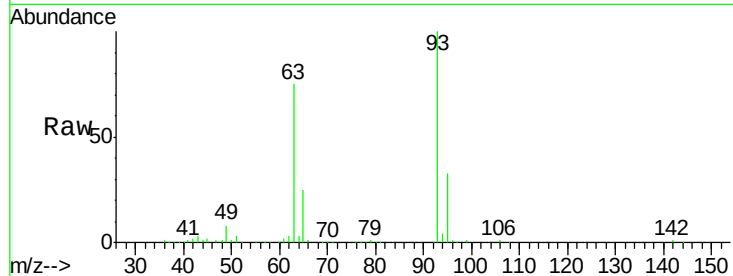
#11
bis(2-Chloroethyl)ether
Concen: 43.900 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion:	93	Resp:	374449
Ion Ratio	Lower	Upper	
93	100		
63	75.1	51.9	91.9
95	33.2	13.0	53.0

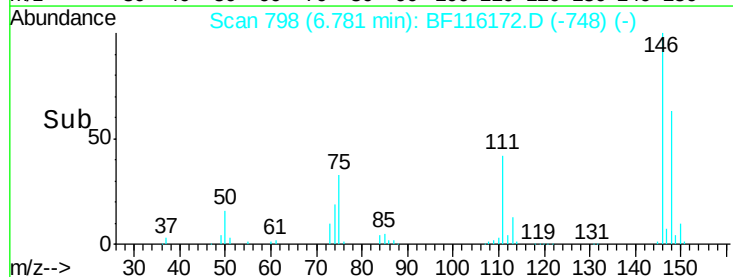
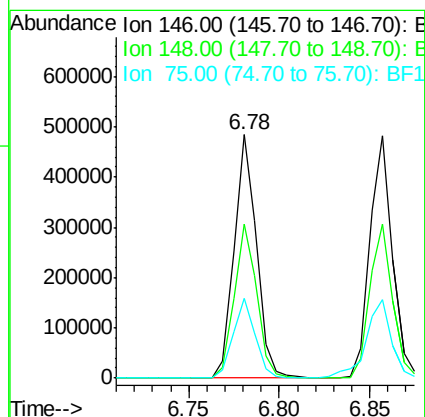
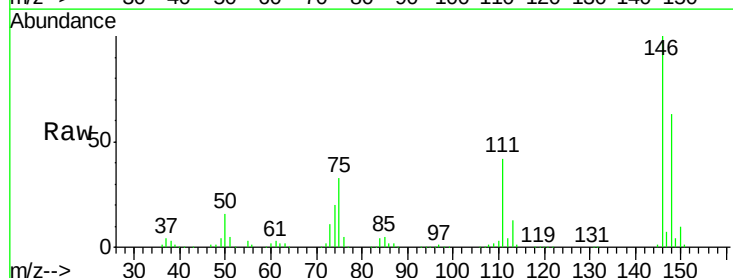
Manual Integrations
APPROVED

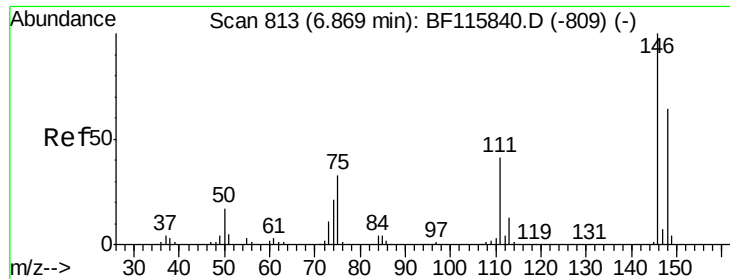
mohammad
8/14/2019 2:55:04 AM



#12
1,3-Dichlorobenzene
Concen: 41.698 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion:	146	Resp:	416107
Ion Ratio	Lower	Upper	
146	100		
148	63.4	51.3	76.9
75	32.9	27.4	41.2





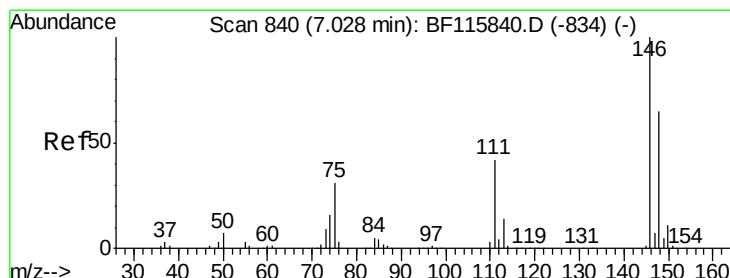
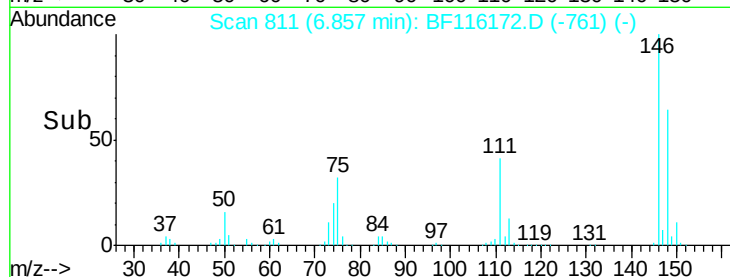
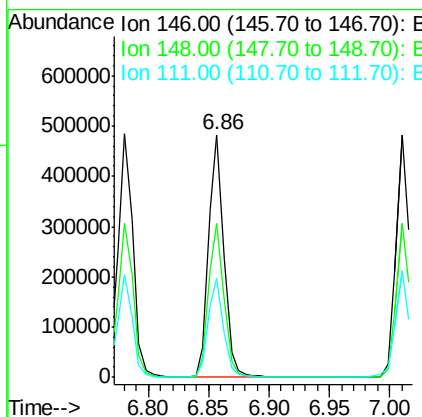
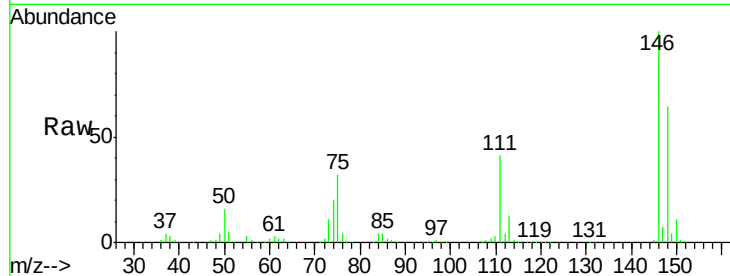
#13
 1,4-Dichlorobenzene
 Concen: 42.358 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.3	76.9
111	40.7	34.0	51.0

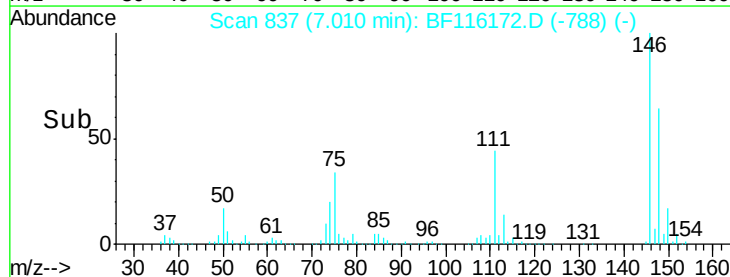
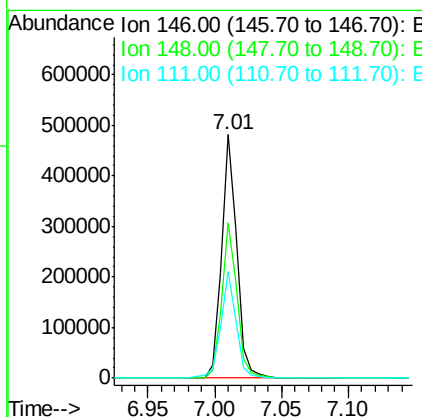
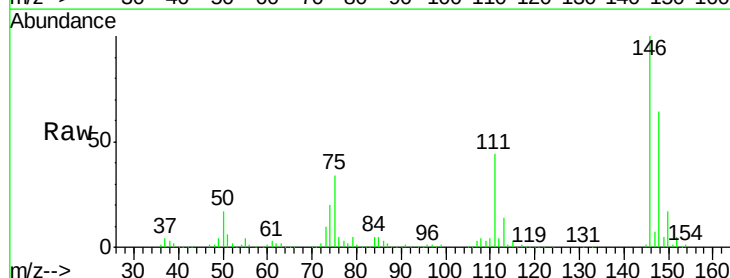
Manual Integrations
 APPROVED

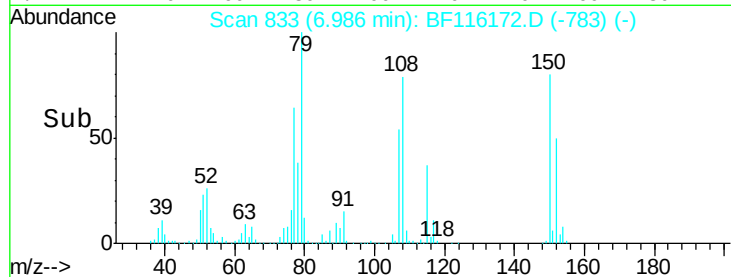
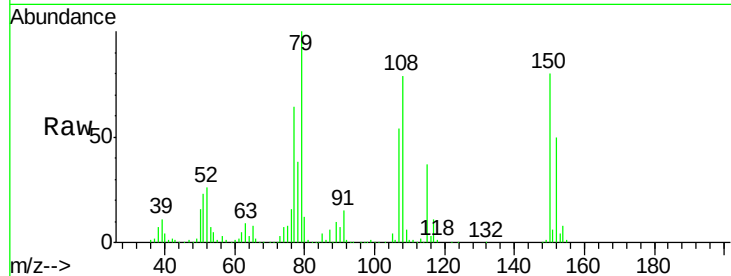
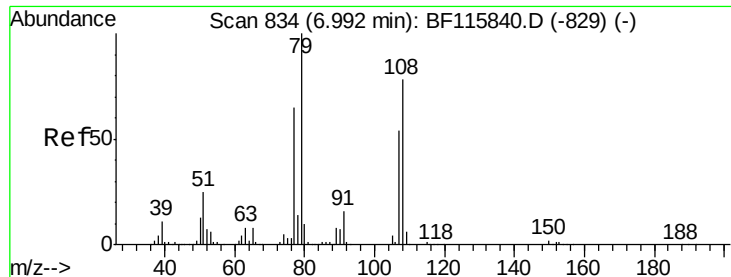
mohammad
 8/14/2019 2:55:04 AM



#14
 1,2-Dichlorobenzene
 Concen: 42.261 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.2	76.8
111	43.9	33.5	50.3





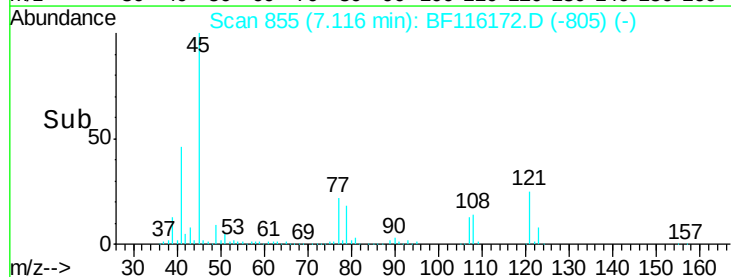
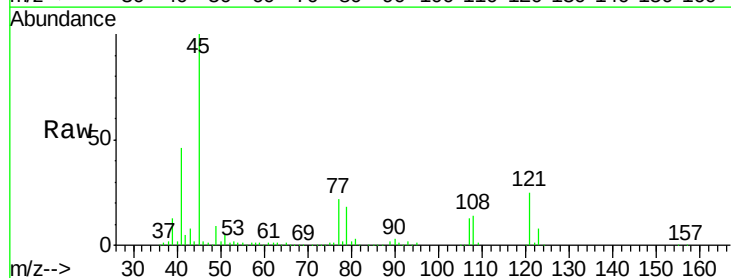
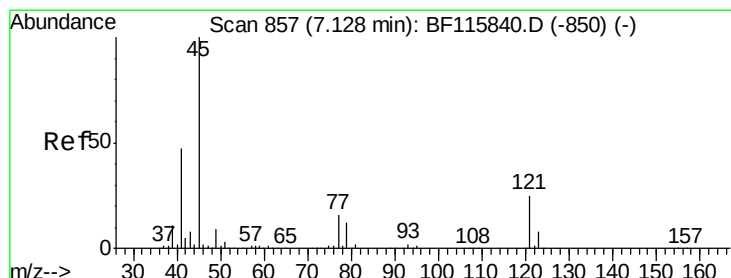
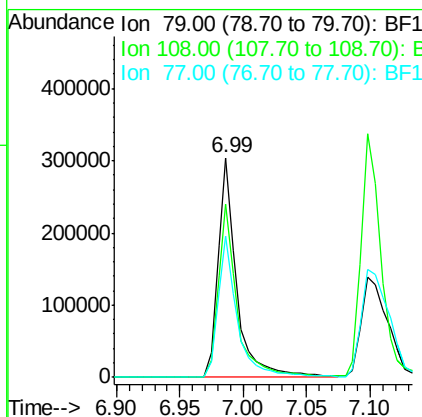
#15
Benzyl Alcohol
Concen: 42.346 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tot Ion	Ratio	Resp	Lower	Upper
79	100	316601		
108	78.6	62.7	94.1	
77	64.0	52.2	78.2	

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

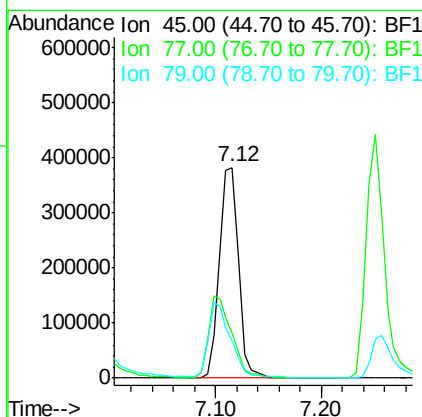
Manual Integrations
APPROVED

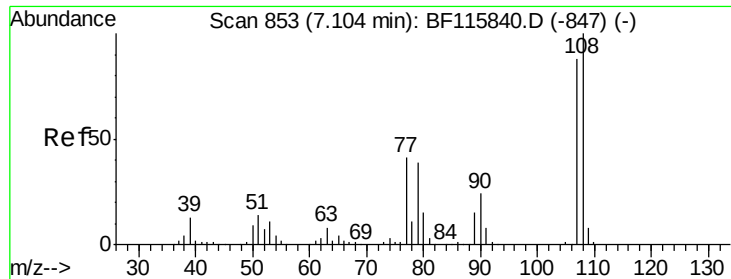
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.147 ng
RT: 7.12 min Scan# 855
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	490360		
77	21.5	0.0	40.0	
79	17.7	0.0	35.9	





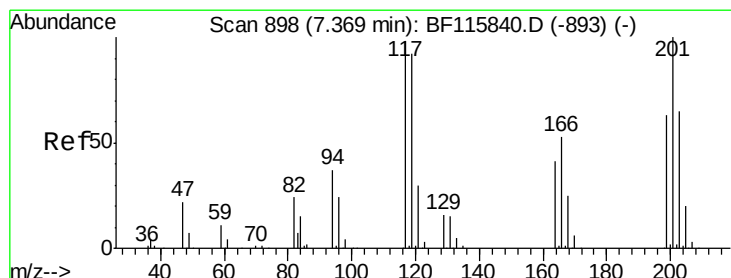
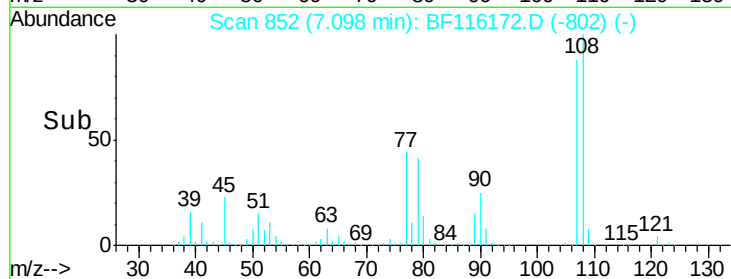
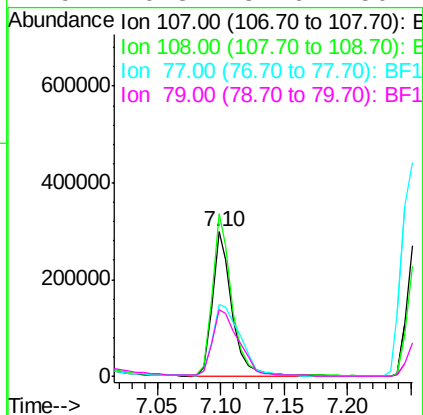
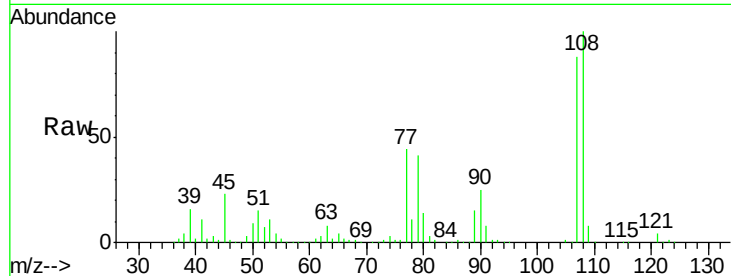
#17
2-Methylphenol
Concen: 44.053 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	113.1	91.2	136.8	
77	50.0	40.3	60.5	
79	46.3	37.6	56.4	

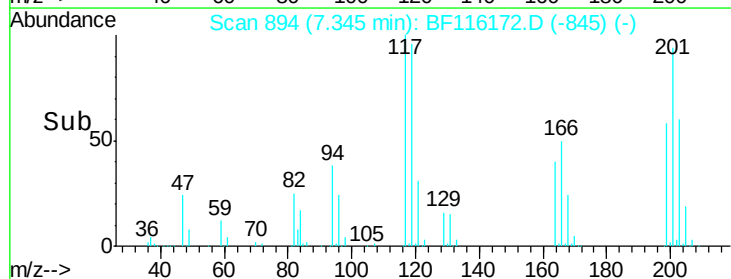
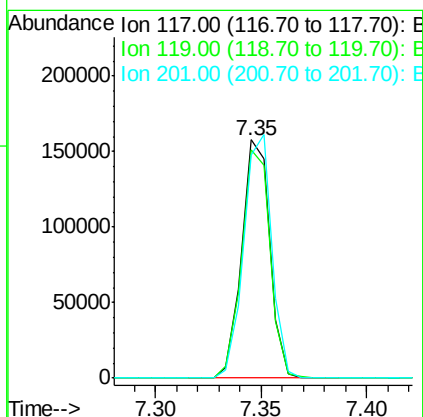
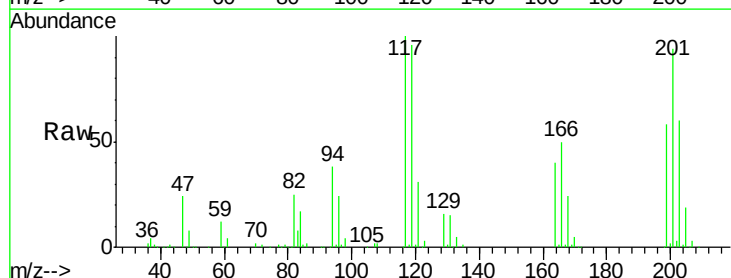
Manual Integrations
APPROVED

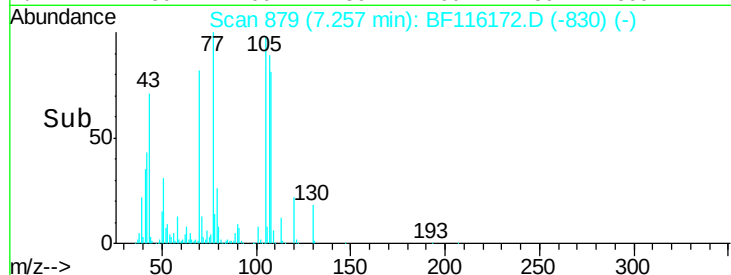
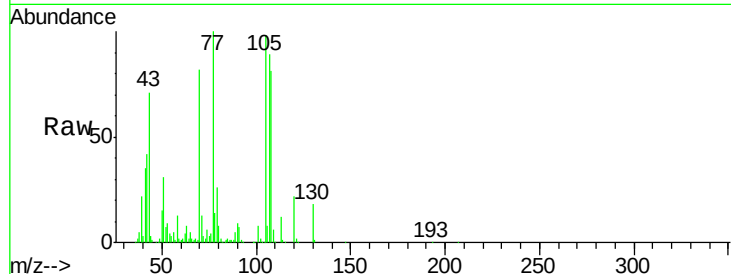
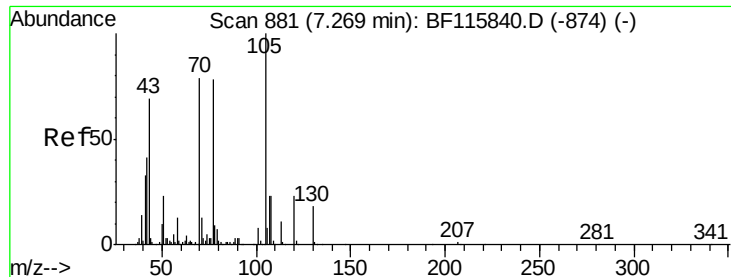
mohammad
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#18
Hexachloroethane
Concen: 39.560 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.9	76.1	114.1	
201	93.5	77.0	115.4	





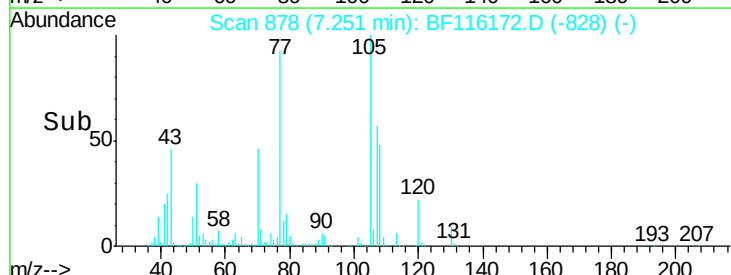
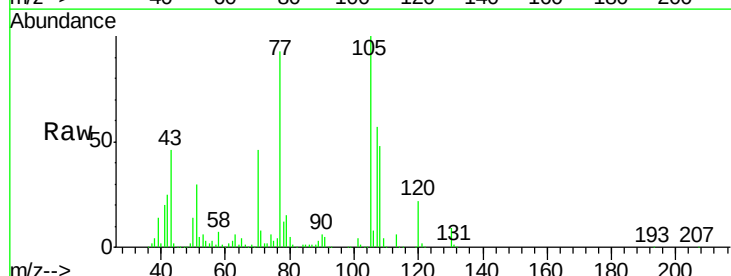
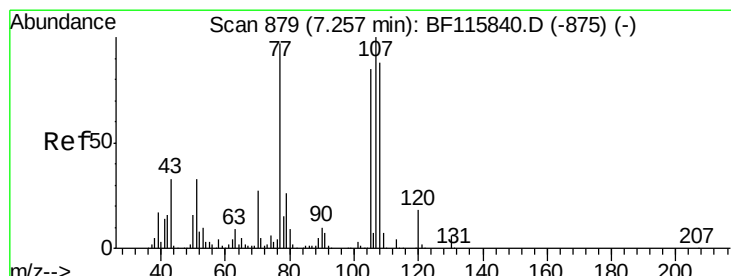
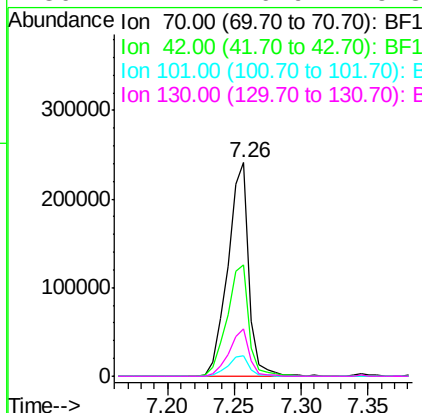
#19
n-Nitroso-di-n-propylamine
Concen: 43.992 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		268573		
42	51.9	40.9	61.3		
101	9.8	7.9	11.9		
130	22.2	16.9	25.3		

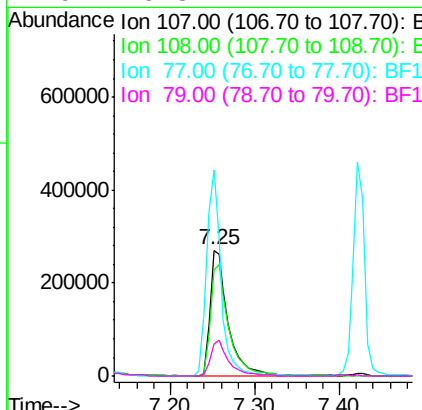
Manual Integrations
APPROVED

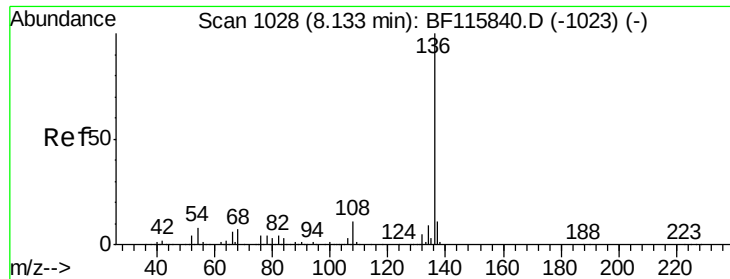
mohammad
8/14/2019 2:55:04 AM



#20
3+4-Methylphenols
Concen: 46.715 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		404189		
108	84.5	67.6	107.6		
77	163.4	104.4	144.4		
79	25.8	7.4	47.4		





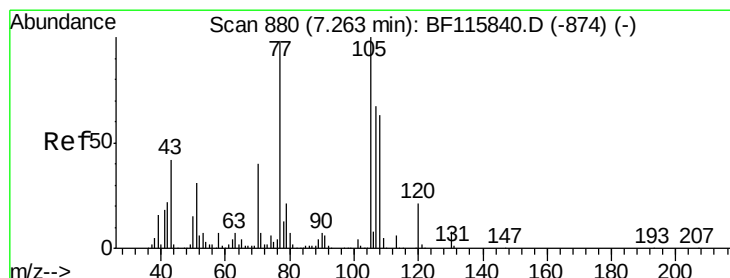
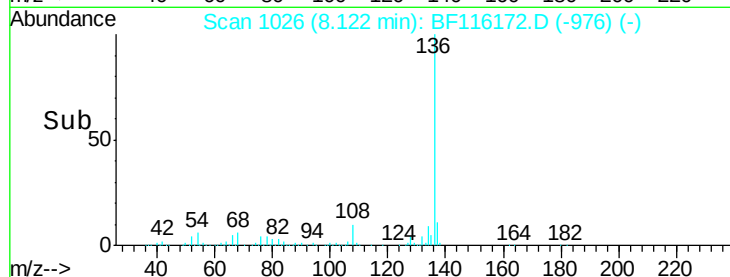
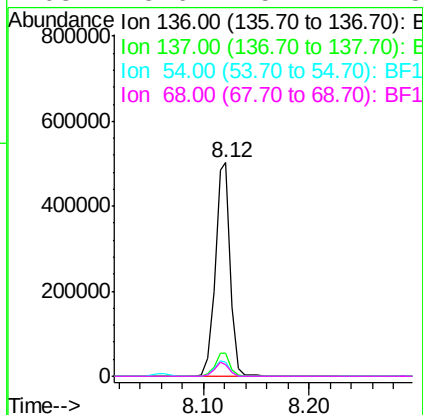
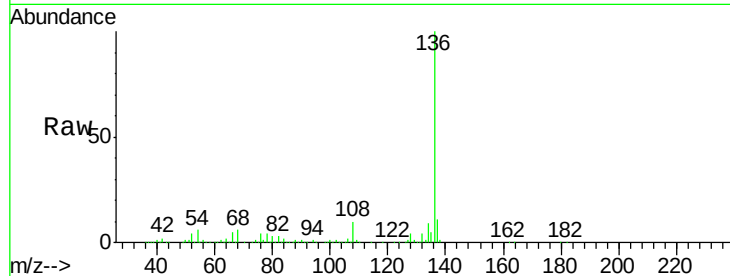
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	504235		
137	10.7		9.0	13.4
54	6.5		5.8	8.6
68	5.6		5.2	7.8

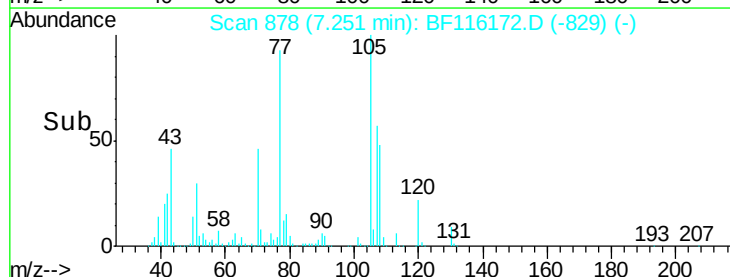
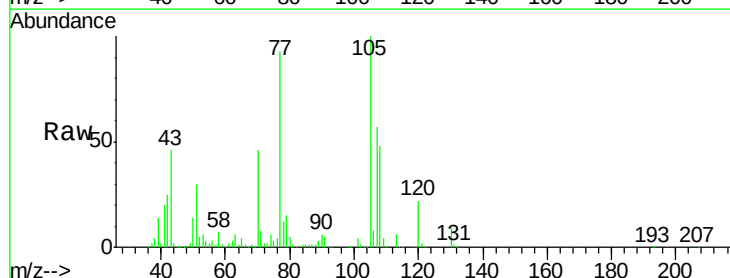
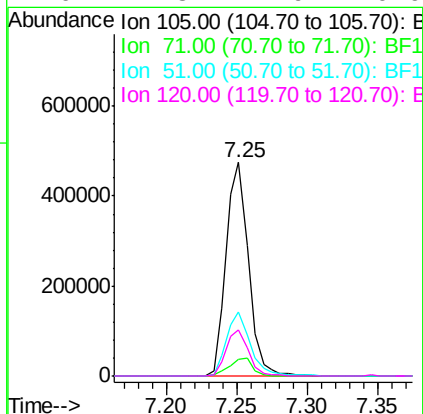
Manual Integrations
APPROVED

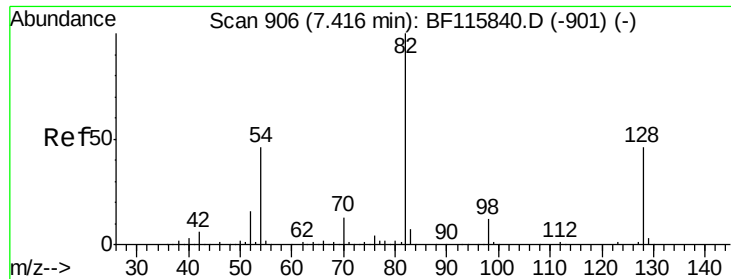
mohammad
8/14/2019 2:55:04 AM



#22
Acetophenone
Concen: 47.432 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	524533		
71	7.6		5.9	8.9
51	29.8		25.3	37.9
120	21.8		17.9	26.9





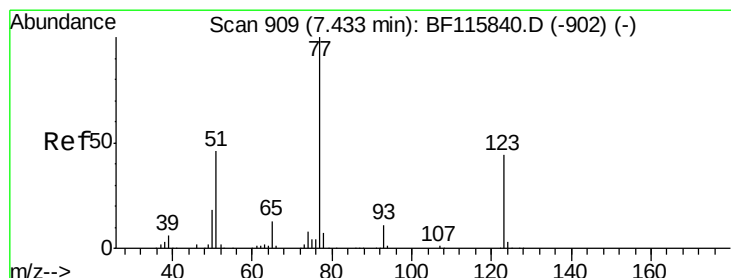
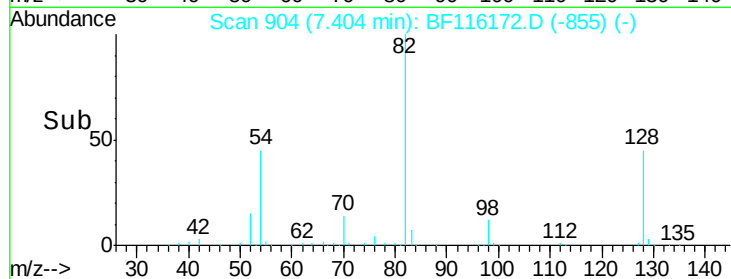
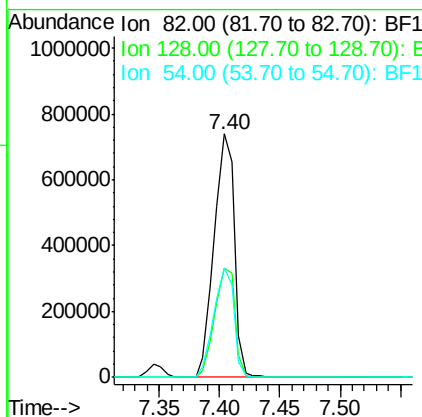
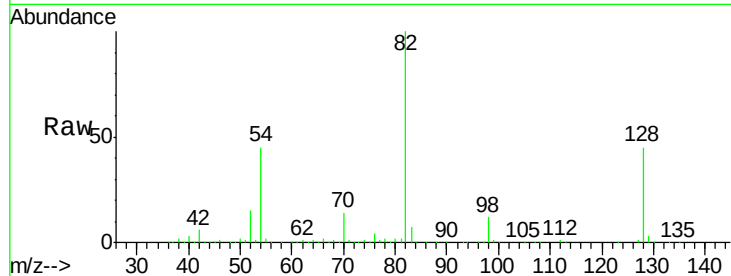
#23
Nitrobenzene-d5
Concen: 97.645 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100	852967		
128	44.9	36.5	54.7	
54	45.0	36.0	54.0	

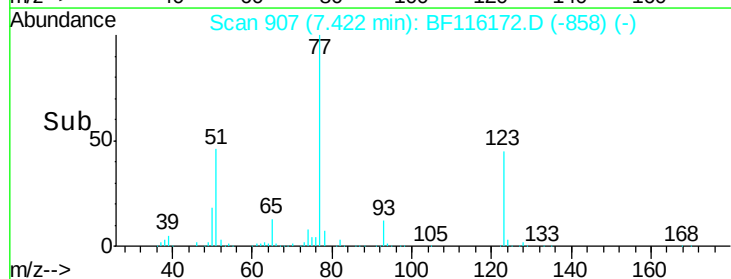
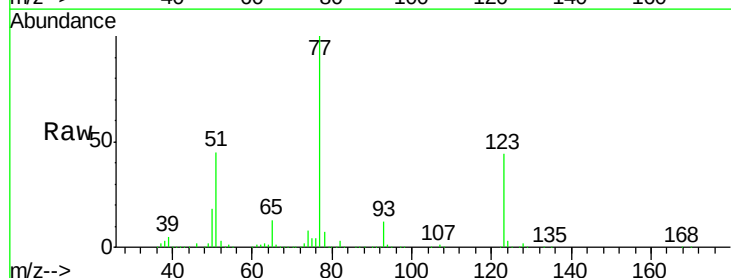
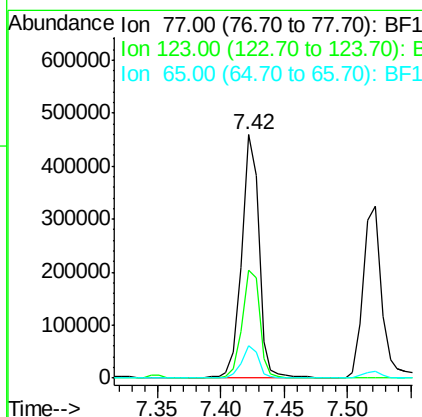
Manual Integrations
APPROVED

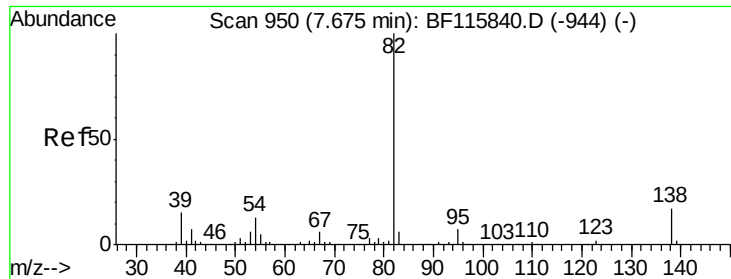
mohammad
8/14/2019 2:55:04 AM



#24
Nitrobenzene
Concen: 45.438 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	428577		
123	44.4	36.7	55.1	
65	13.3	10.6	16.0	





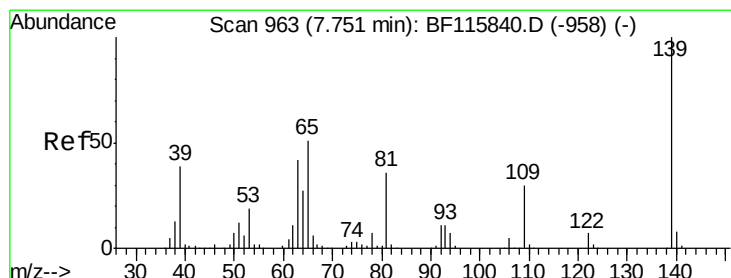
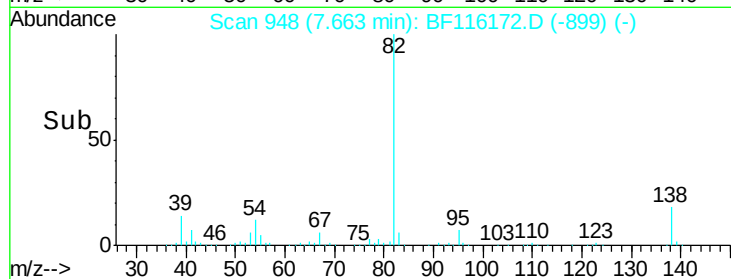
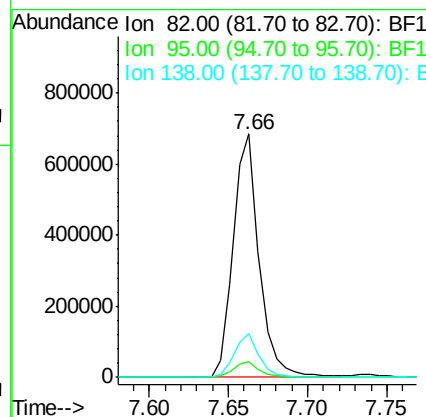
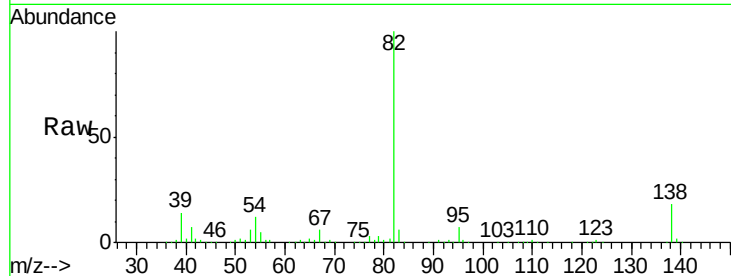
#25
Isophorone
Concen: 46.492 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.5	5.4	8.0	
138	18.2	14.5	21.7	

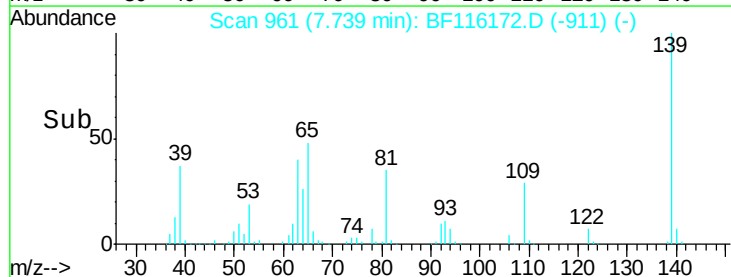
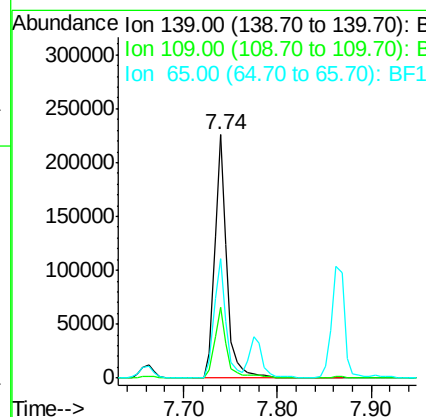
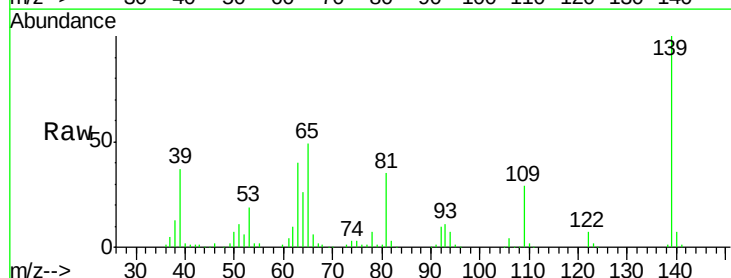
Manual Integrations
APPROVED

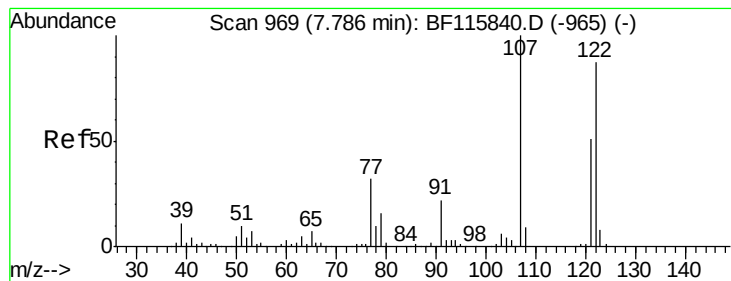
mohammad
8/14/2019 2:55:04 AM



#26
2-Nitrophenol
Concen: 46.434 ng
RT: 7.74 min Scan# 961
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	29.0	23.4	35.2	
65	48.9	41.1	61.7	





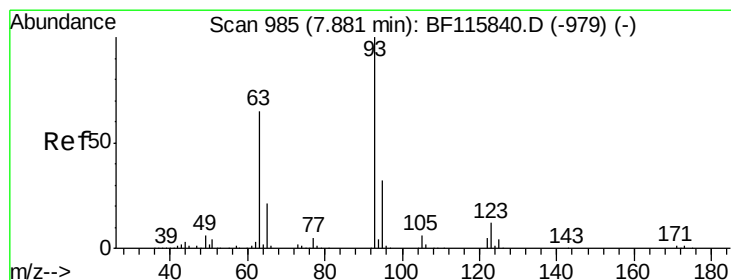
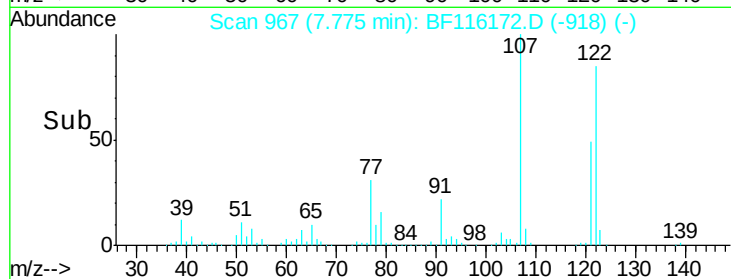
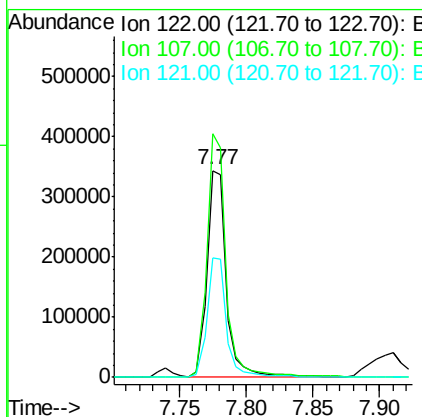
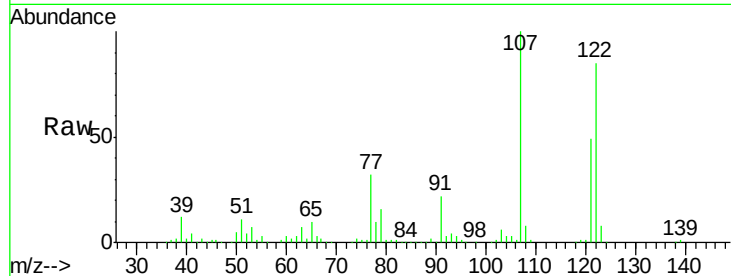
#27
 2,4-Dimethylphenol
 Concen: 52.016 ng
 RT: 7.77 min Scan# 967
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
347947	122	100			
139.6	107	117.7	93.0		
71.4	121	58.0	47.6		

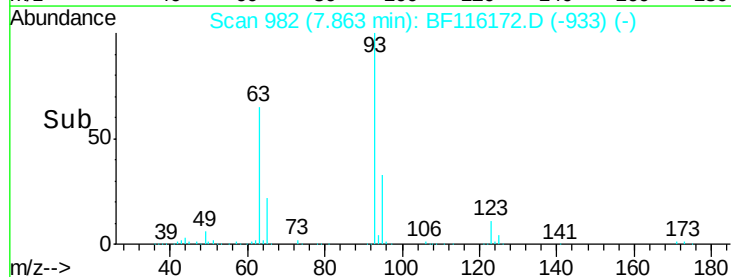
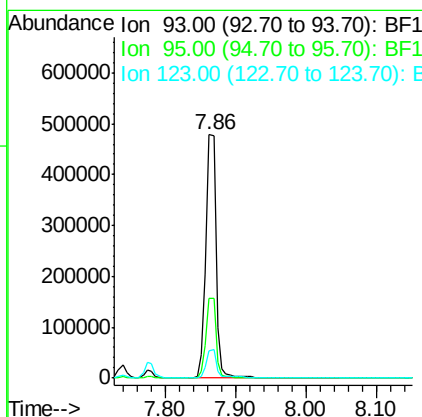
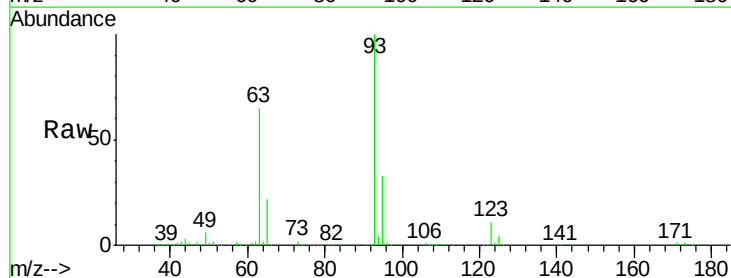
Manual Integrations
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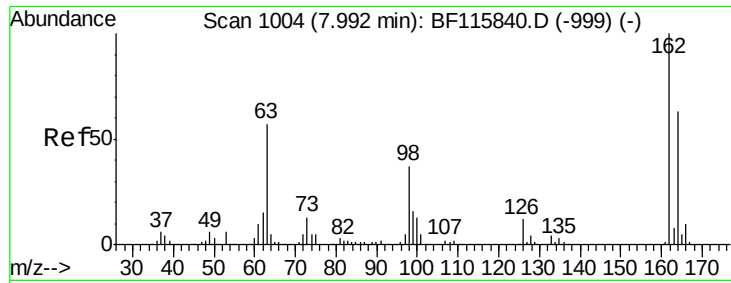
mohammad
 8/14/2019 2:55:04 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.669 ng
 RT: 7.86 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
483167	93	100			
39.4	95	32.7	26.2		
13.8	123	11.1	9.2		





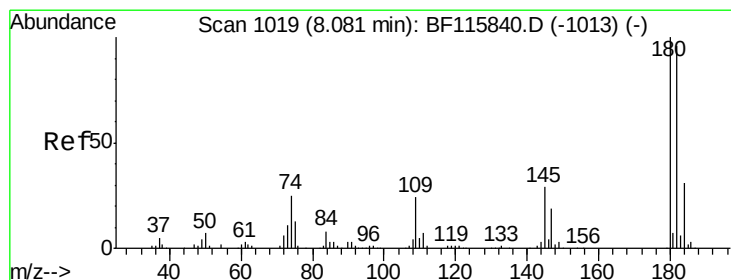
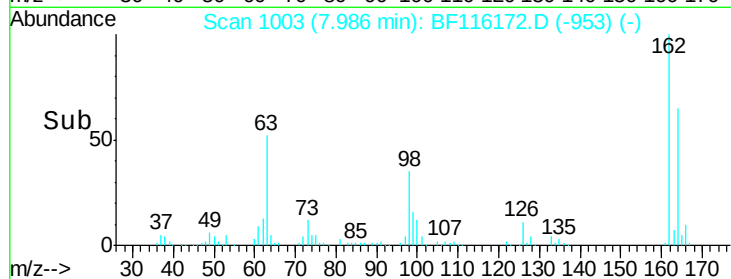
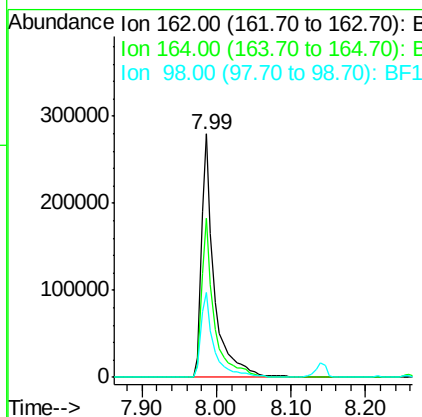
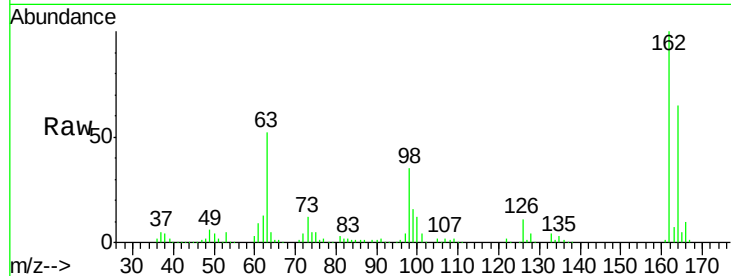
#29
 2,4-Dichlorophenol
 Concen: 47.798 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		337592		
164	65.4	45.1	85.1		
98	34.9	15.8	55.8		

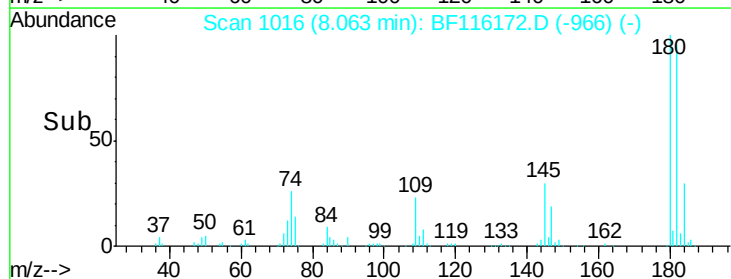
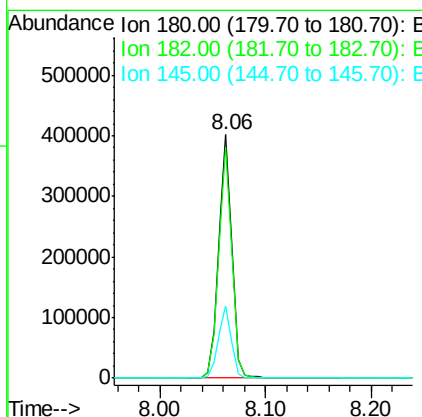
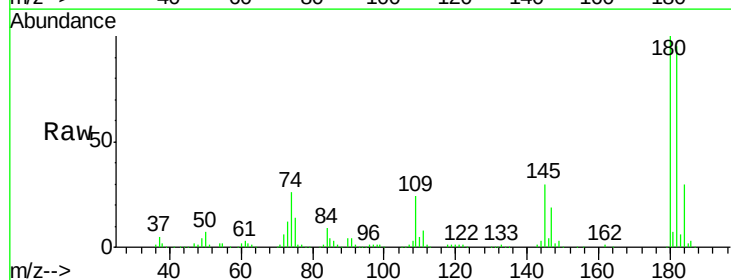
Manual Integrations
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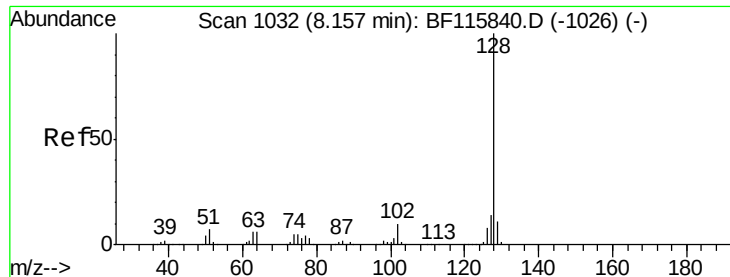
mohammad
 8/14/2019 2:55:04 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 44.709 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		359957		
182	95.0	75.7	113.5		
145	29.8	24.3	36.5		





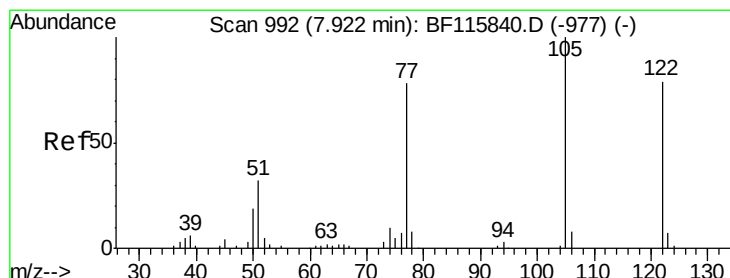
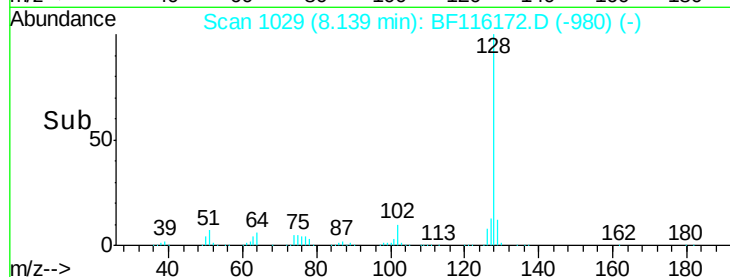
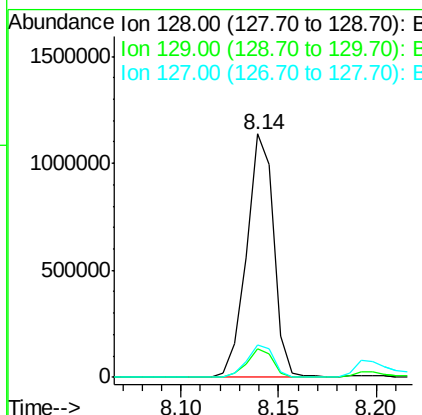
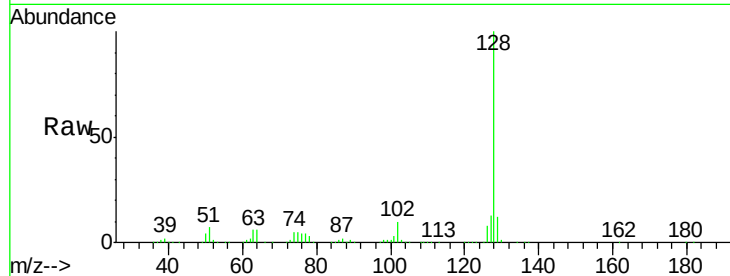
#31
Naphthalene
Concen: 46.215 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.3	13.9
127	13.5	11.4	17.0

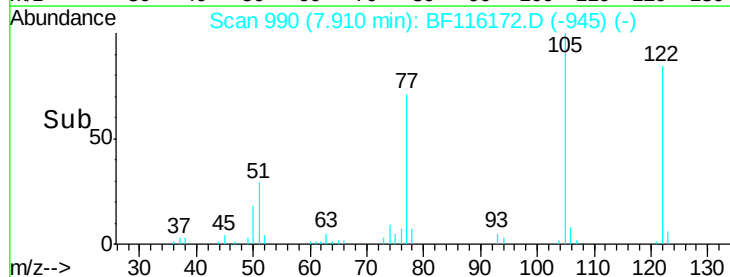
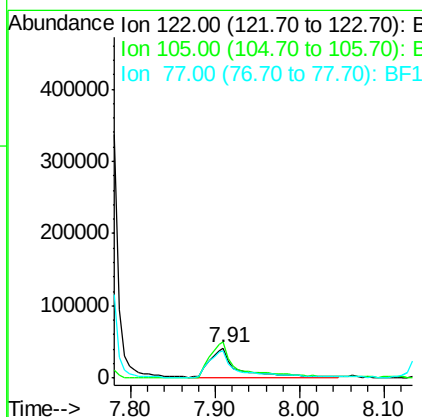
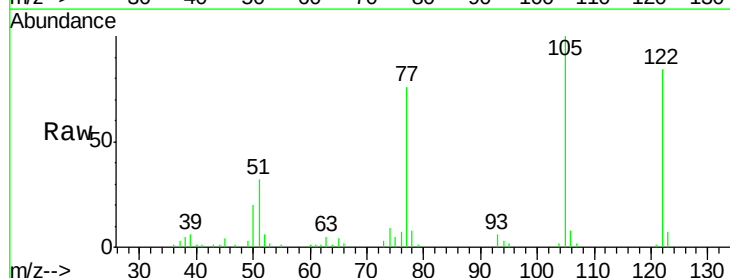
Manual Integrations
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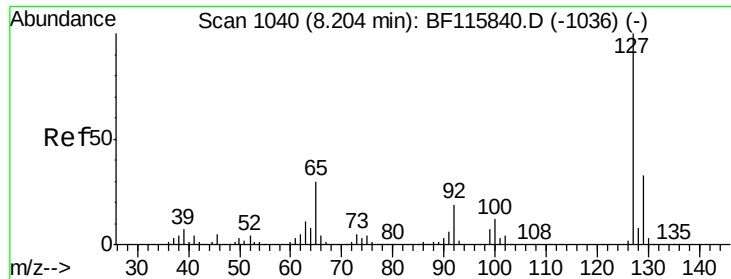
mohammad
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#32
Benzoic acid
Concen: 18.727 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.04 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.7	106.1	146.1
77	90.7	76.7	116.7





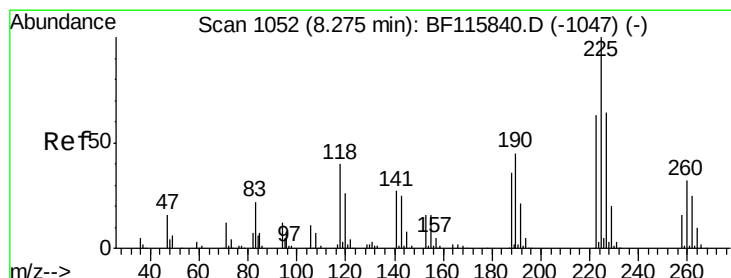
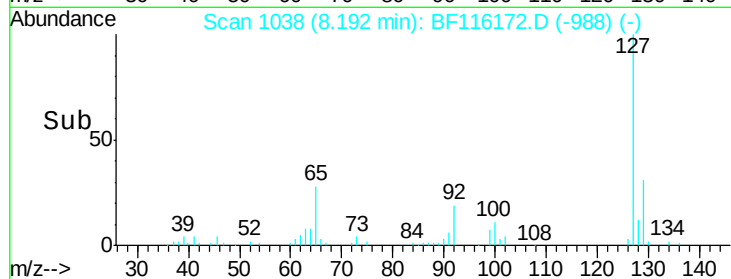
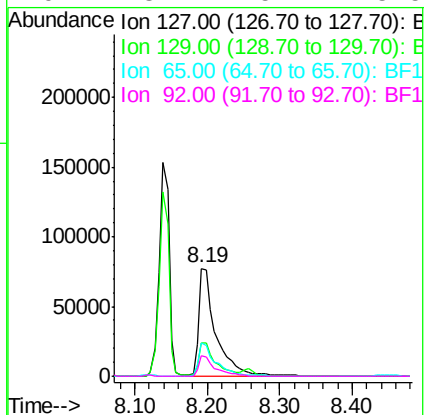
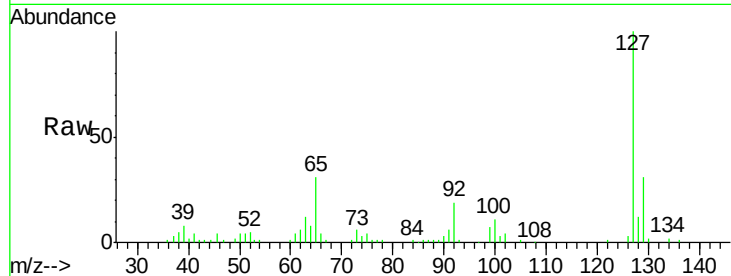
#33
4-Chloroaniline
Concen: 12.035 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		127599		
129	31.2	26.1	39.1		
65	30.9	24.9	37.3		
92	18.7	15.7	23.5		

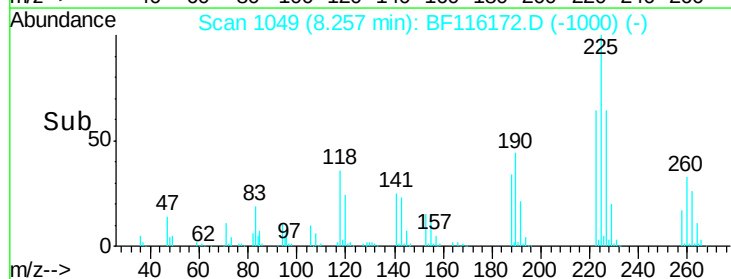
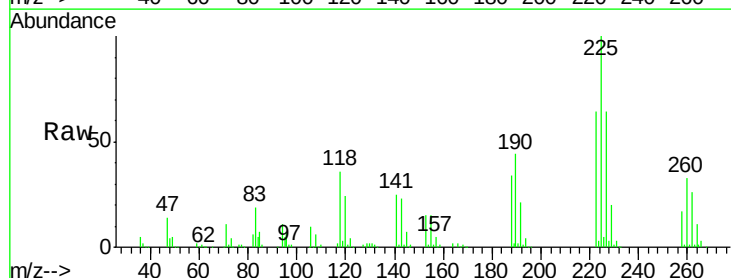
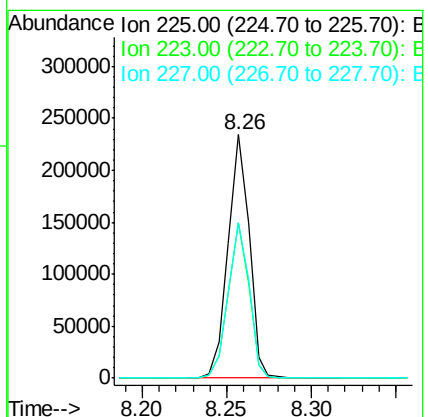
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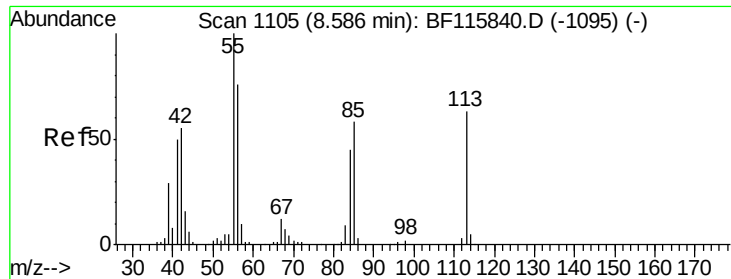
mohammad
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#34
Hexachlorobutadiene
Concen: 44.125 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		204622		
223	63.6	50.0	75.0		
227	63.7	51.0	76.4		





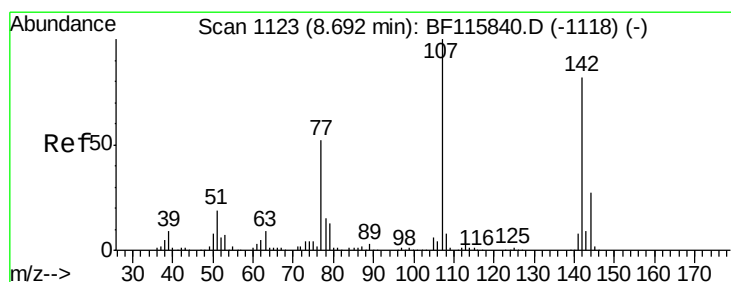
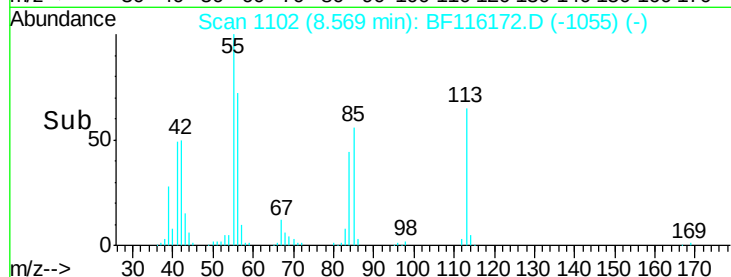
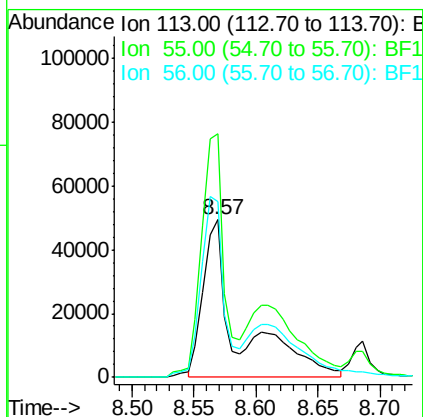
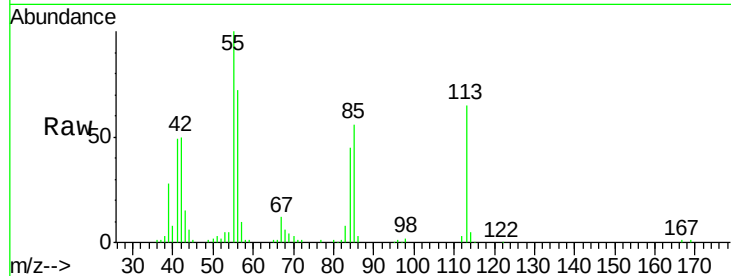
#35
Caprolactam
Concen: 43.042 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.02 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100				
55	154.4	144.3	184.3		
56	111.1	97.1	137.1		

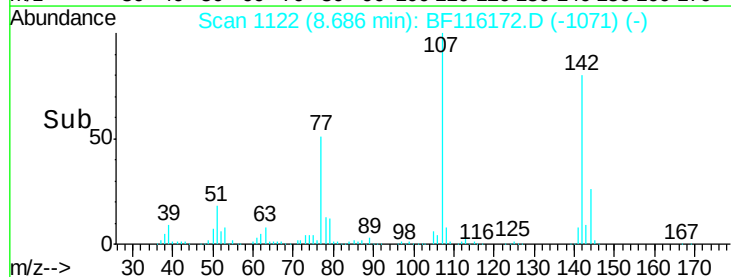
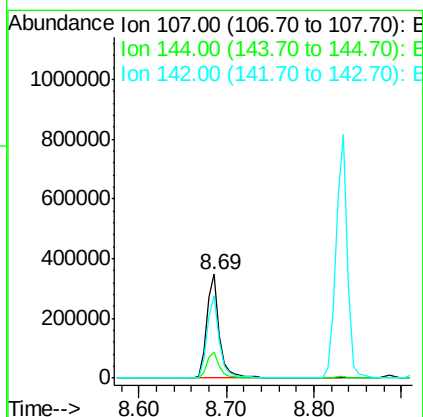
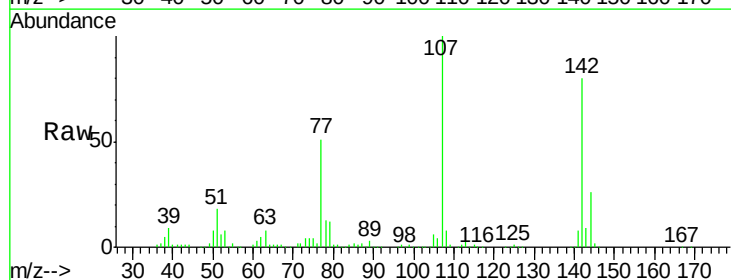
Manual Integrations
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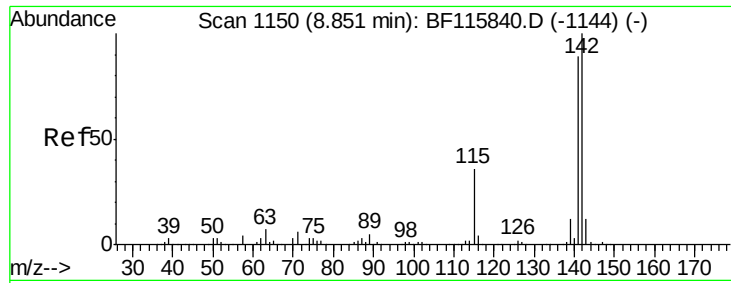
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 47.270 ng/ml
RT: 8.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	25.6	20.2	30.2		
142	79.9	61.7	92.5		





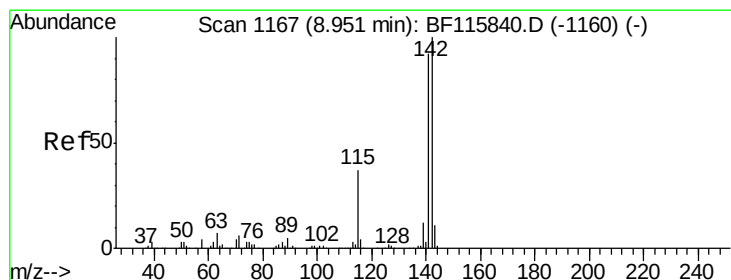
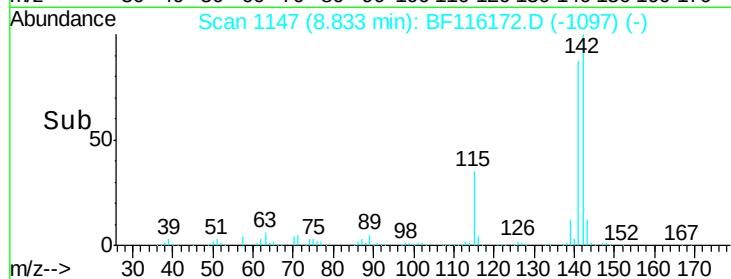
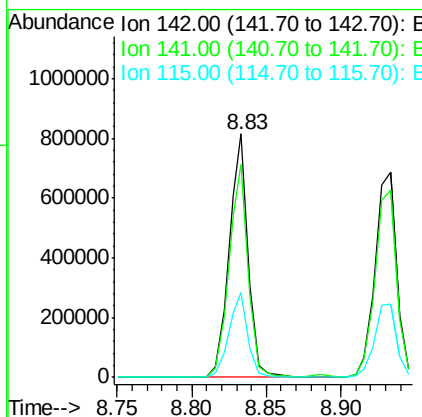
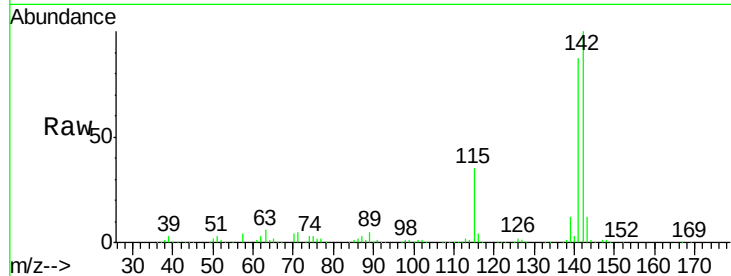
#37
2-Methylnaphthalene
Concen: 46.791 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.9	106.3
115	34.7	29.0	43.6

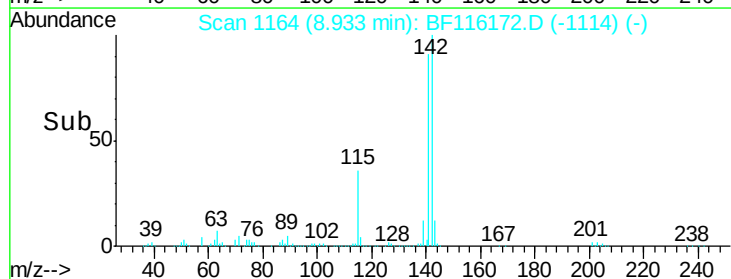
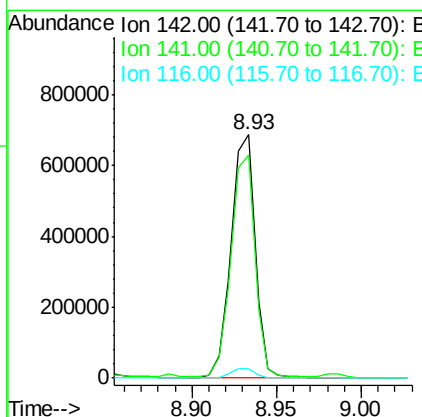
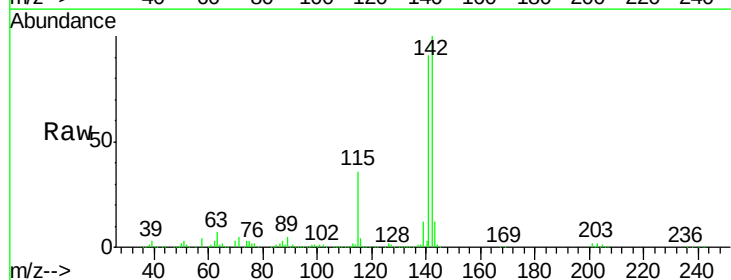
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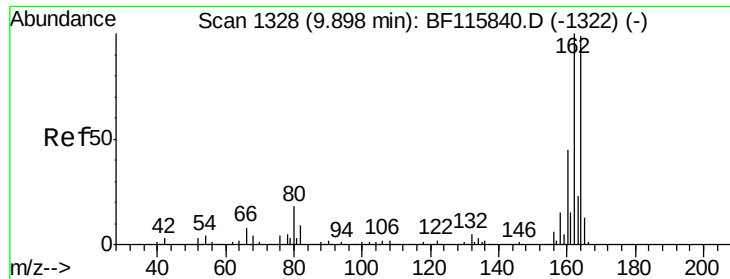
mohammad
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#38
1-Methylnaphthalene
Concen: 45.860 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	74.4	111.6
116	3.7	3.1	4.7





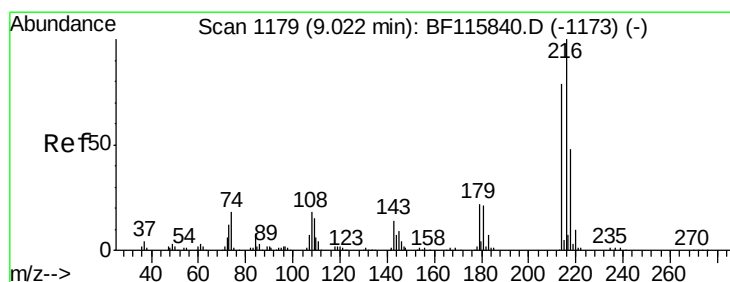
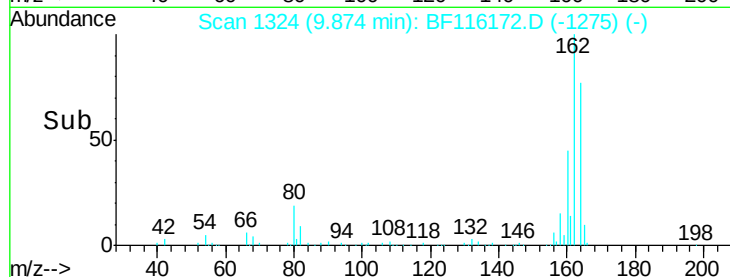
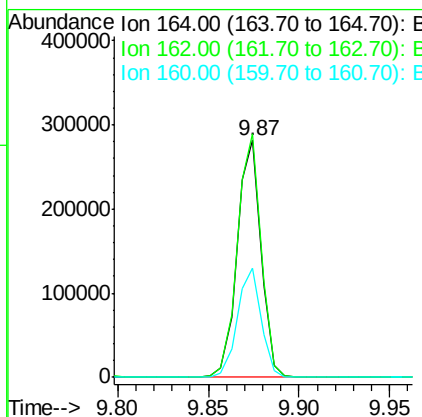
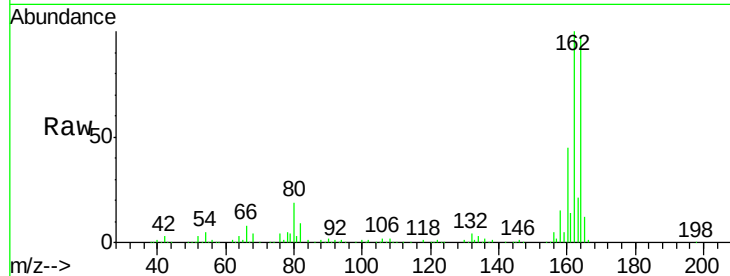
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.6	124.0	
160	45.9	37.6	56.4	

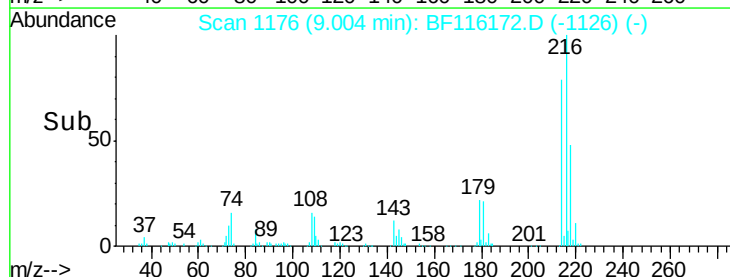
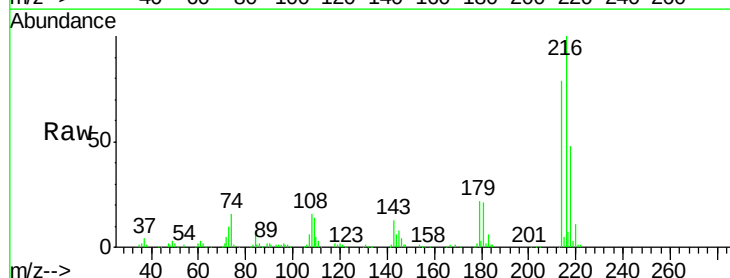
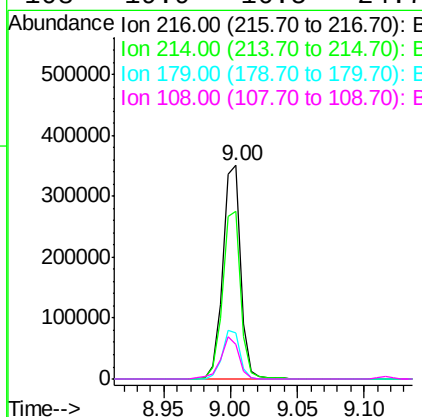
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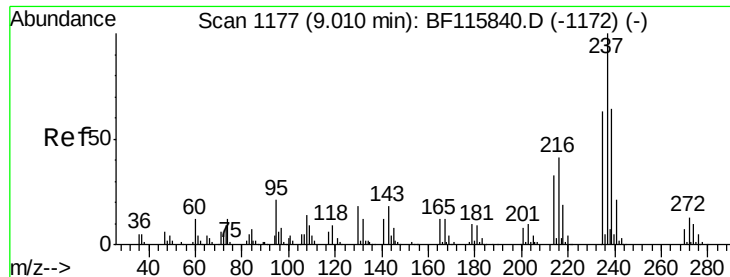
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.822 ng
RT: 9.00 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.3	63.6	95.4	
179	22.2	17.8	26.8	
108	19.9	16.5	24.7	





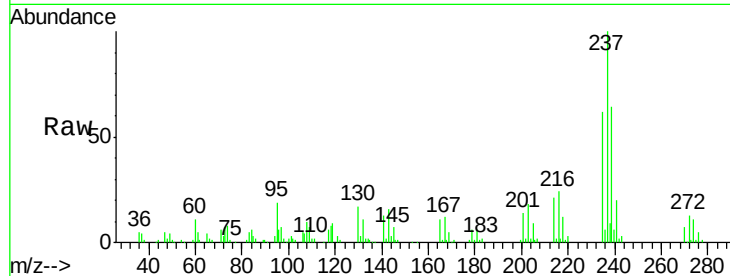
#41
Hexachlorocyclopentadiene
Concen: 29.355 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

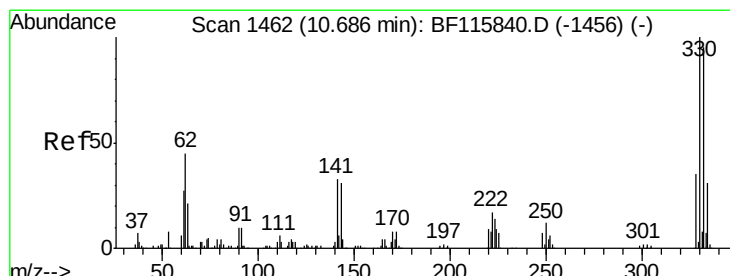
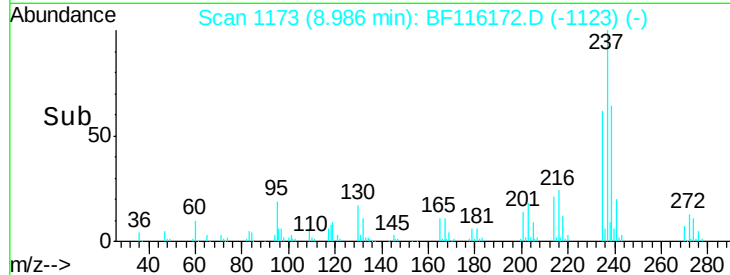
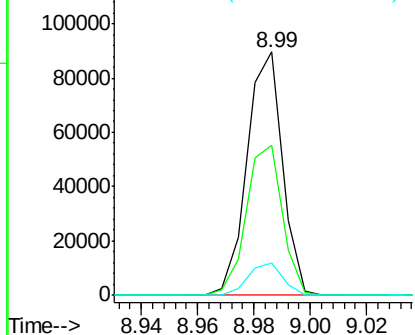
Tot Ion:	237	Resp:	78002
Ion Ratio	Lower	Upper	
237	100		
235	61.9	43.4	83.4
272	13.3	0.0	33.2

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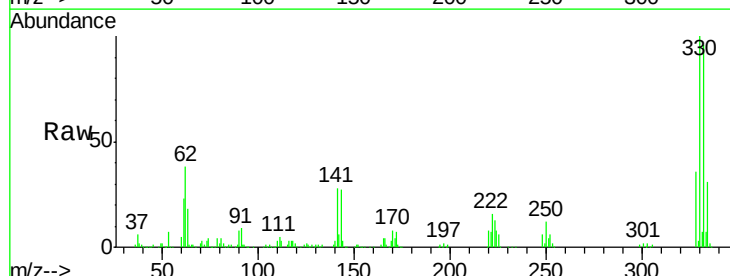


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

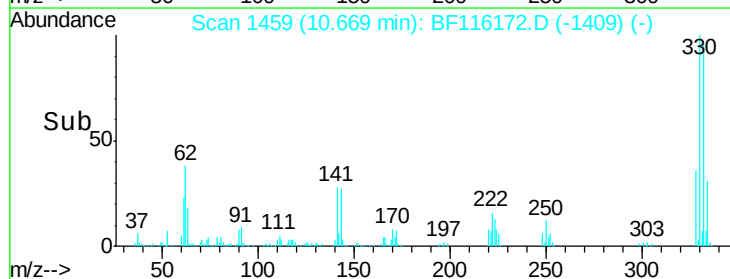
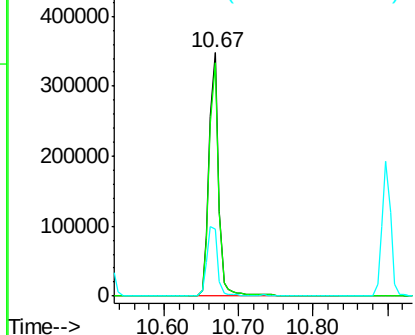


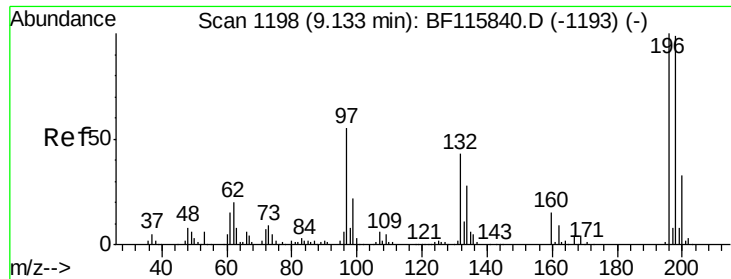
#42
2,4,6-Tribromophenol
Concen: 126.750 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion:	330	Resp:	315599
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.8	115.2
141	32.3	26.3	39.5



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





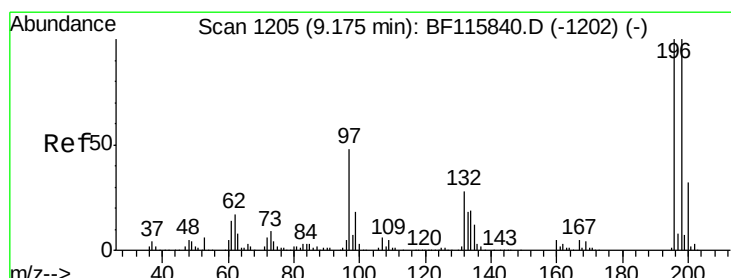
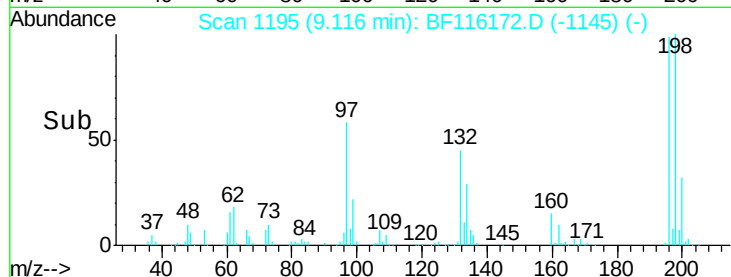
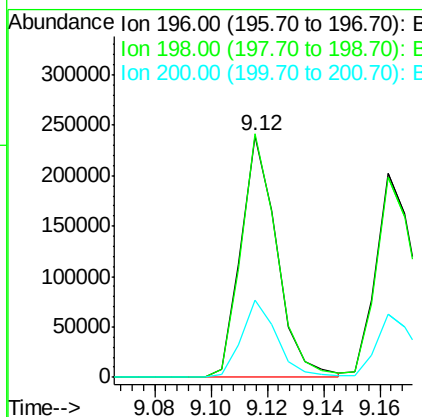
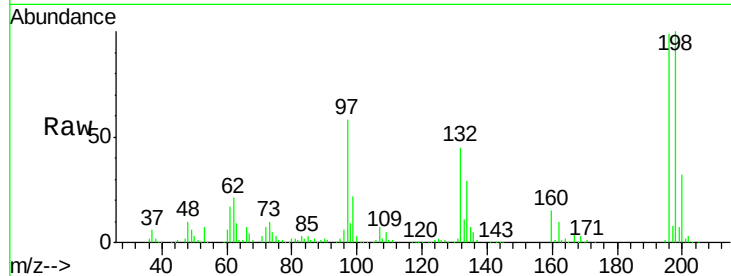
#43
 2,4,6-Trichlorophenol
 Concen: 45.029 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampled :
 PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	212798		
198	100.9	79.2	118.8	
200	32.1	25.2	37.8	

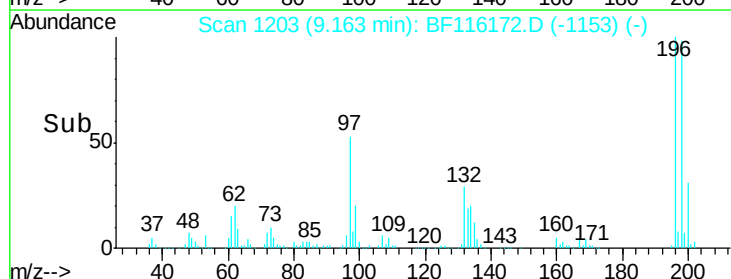
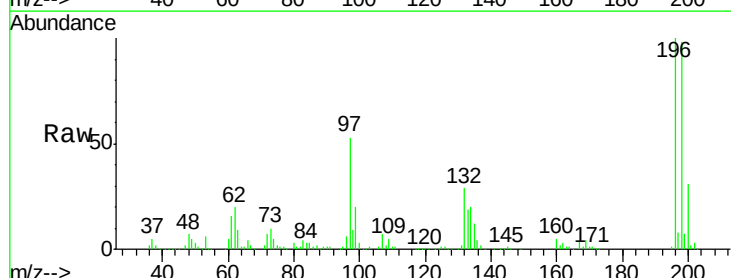
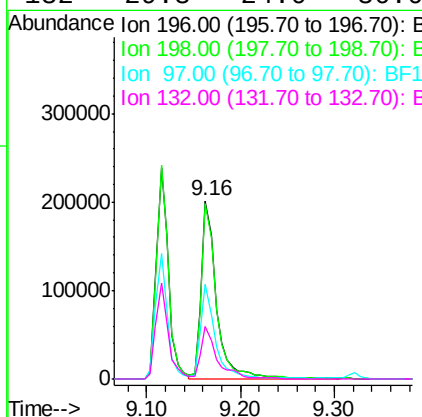
Manual Integrations
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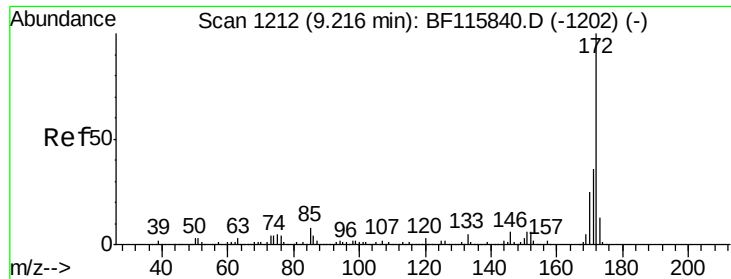
mohammad
 8/14/2019 2:55:04 AM



#44
 2,4,5-Trichlorophenol
 Concen: 46.383 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	226584		
198	98.2	78.8	118.2	
97	52.8	42.2	63.4	
132	29.3	24.0	36.0	





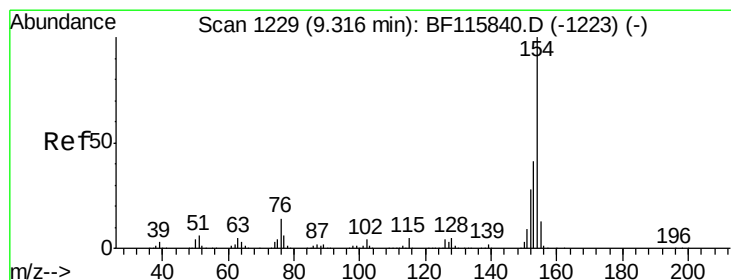
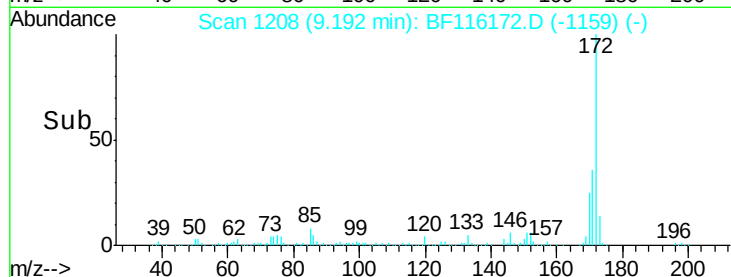
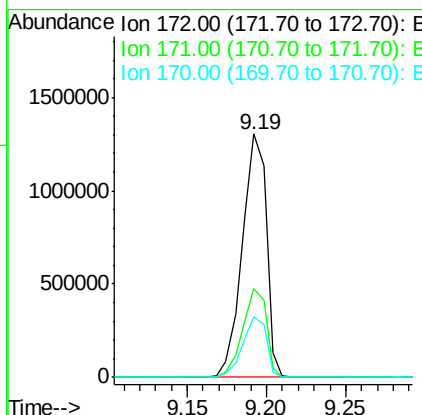
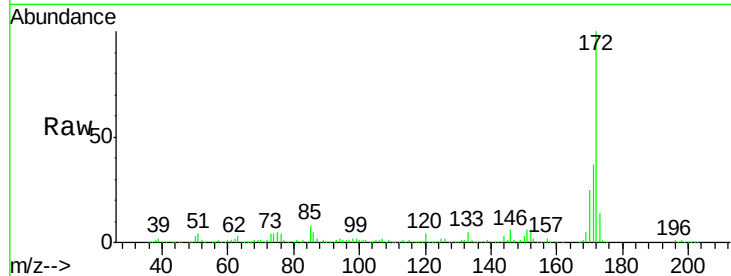
#45
2-Fluorobiphenyl
Concen: 100.090 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.6	44.4
170	24.9	20.1	30.1

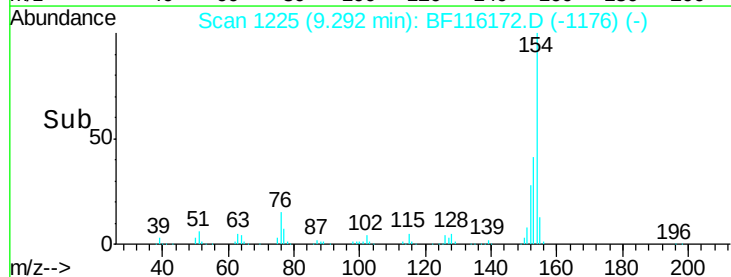
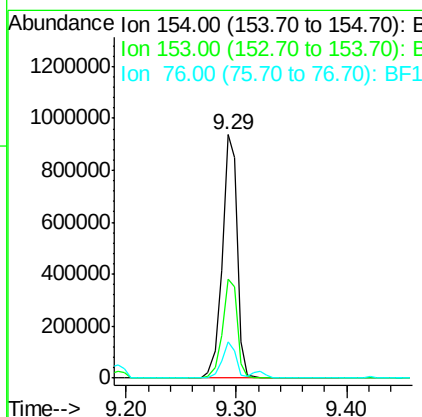
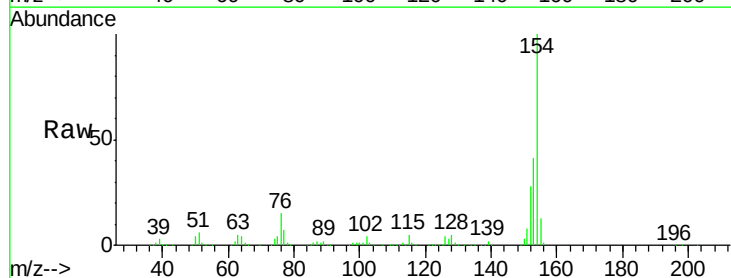
Manual Integrations
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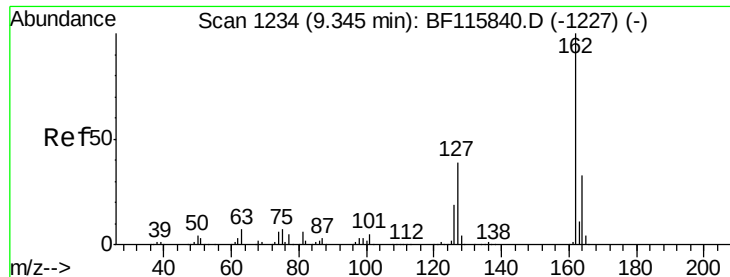
mohammad
8/14/2019 2:55:04 AM



#46
1,1'-Biphenyl
Concen: 48.591 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.7	21.4	61.4
76	14.8	0.0	35.2





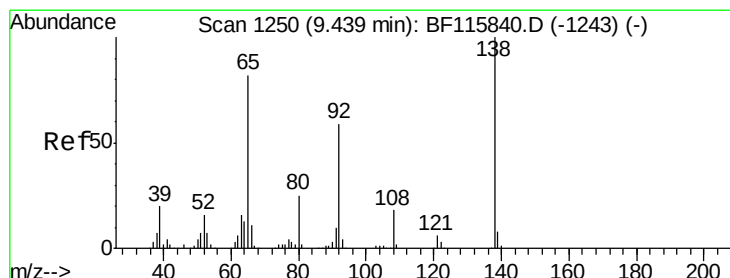
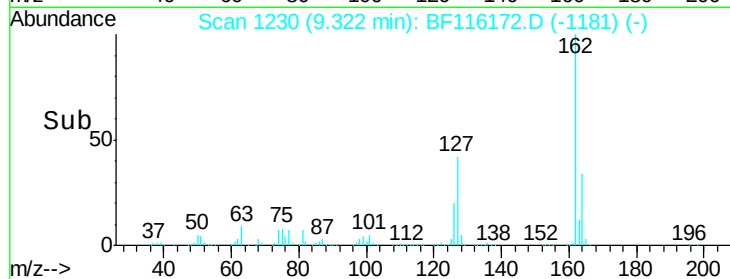
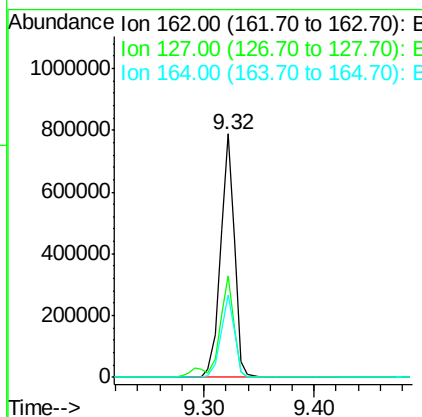
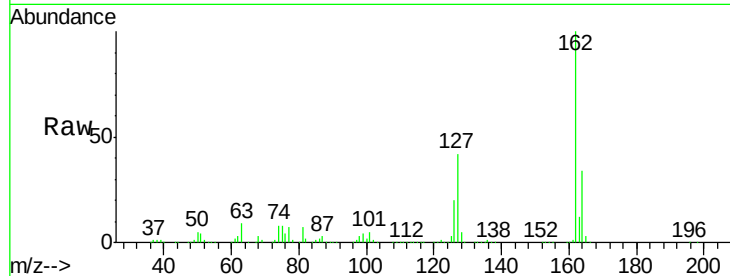
#47
 2-Chloronaphthalene
 Concen: 45.591 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	687990		
127	41.6	32.8	49.2	
164	33.6	26.6	39.8	

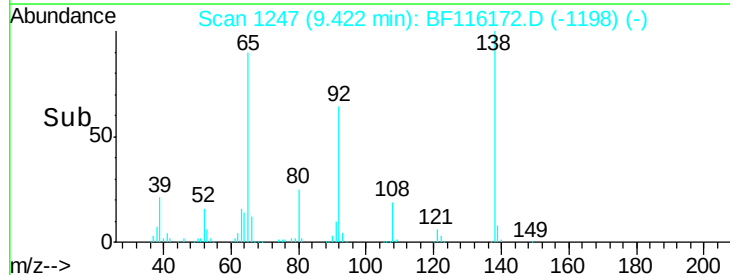
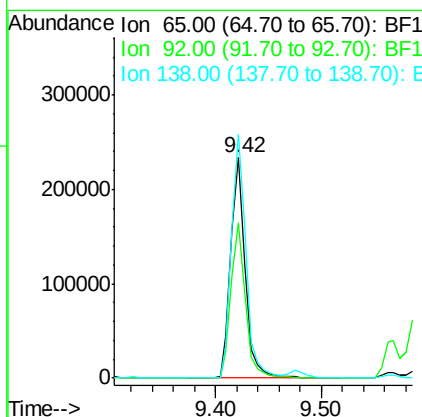
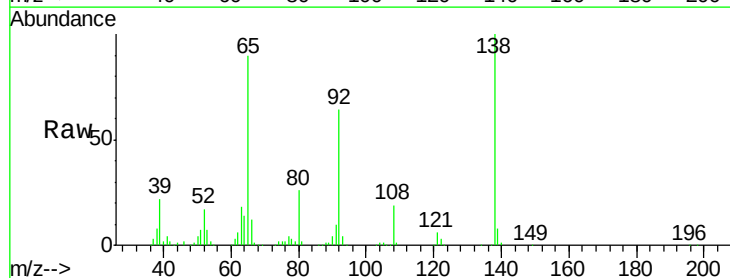
Manual Integrations
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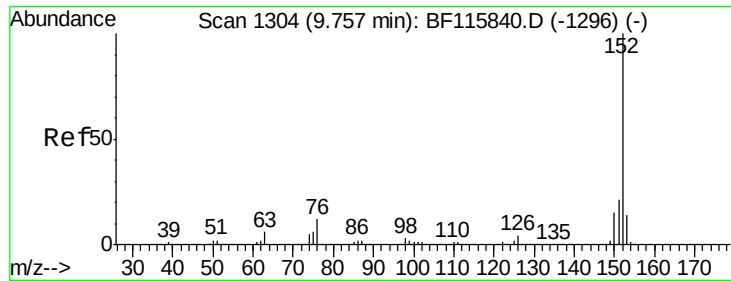
mohammad
 8/14/2019 2:55:04 AM



#48
 2-Nitroaniline
 Concen: 44.415 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	221544		
92	70.7	57.8	86.8	
138	110.6	94.0	141.0	





#49

Acenaphthylene

Concen: 46.624 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

ClientSampleId :

PE-4MSD

Tot Ion:152 Resp: 1026462

Ion Ratio Lower Upper

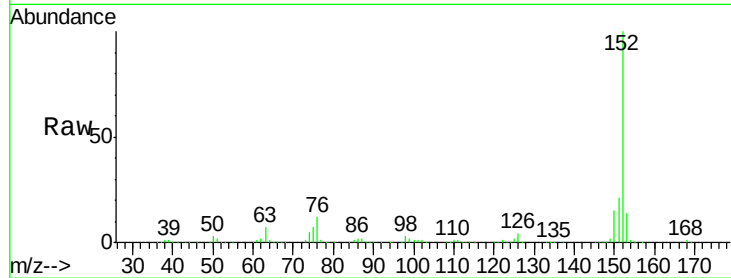
152 100

151 20.9 17.2 25.8

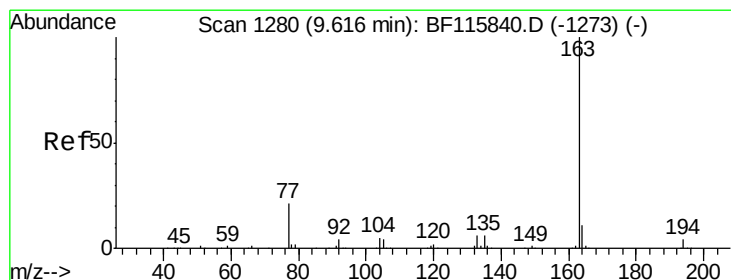
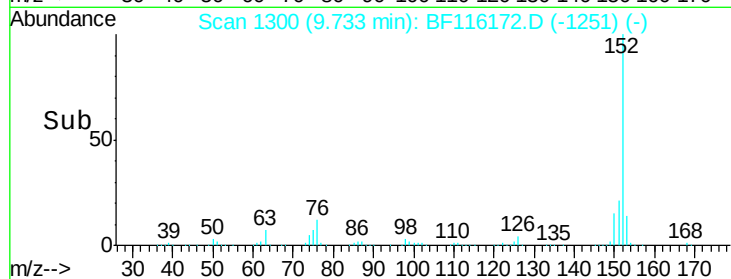
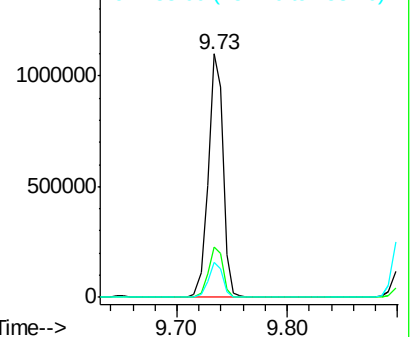
153 14.2 11.8 17.8

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 57.060 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

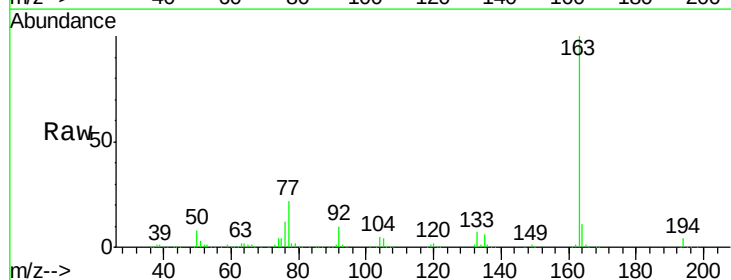
Tgt Ion:163 Resp: 997778

Ion Ratio Lower Upper

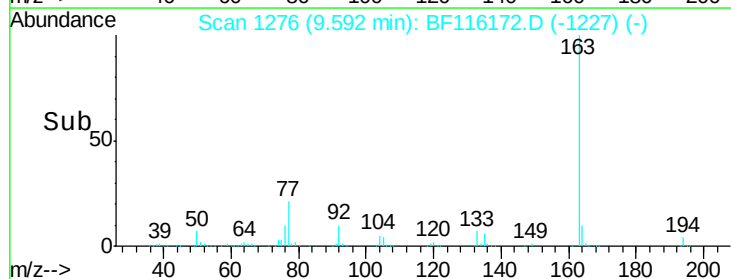
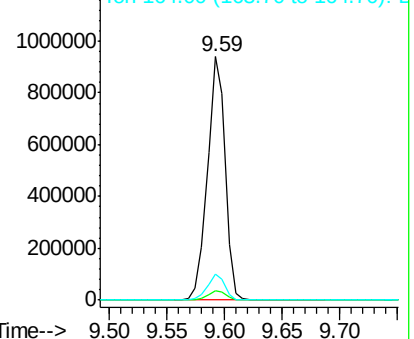
163 100

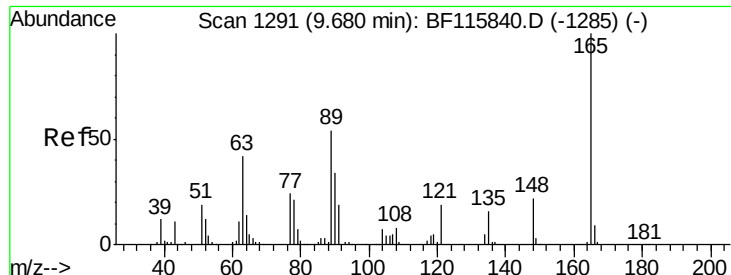
194 3.7 3.0 4.6

164 10.8 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





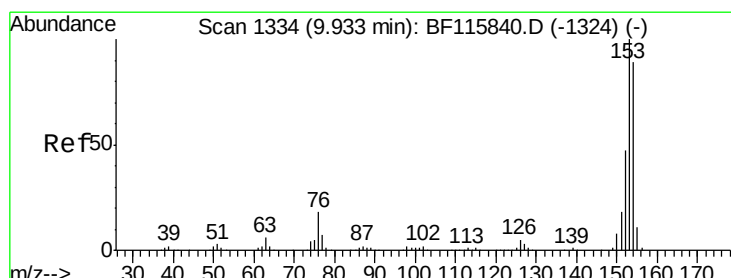
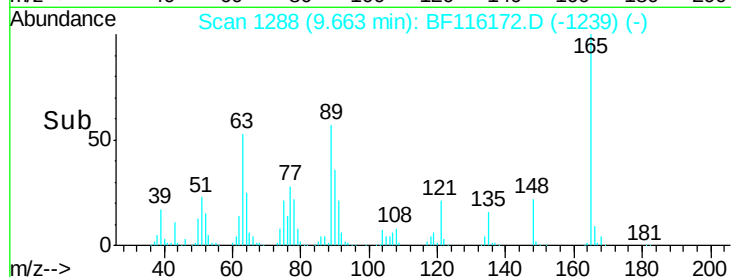
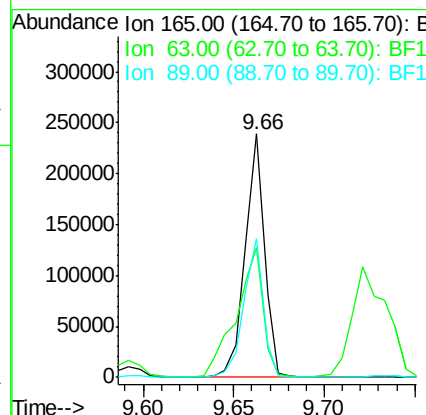
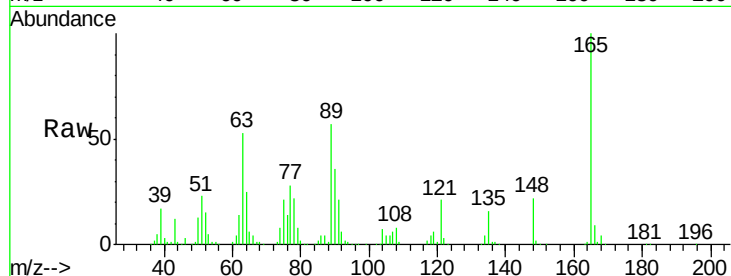
#51
2,6-Dinitrotoluene
Concen: 46.882 ng
RT: 9.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	53.0	38.2	57.2
89	56.9	42.9	64.3

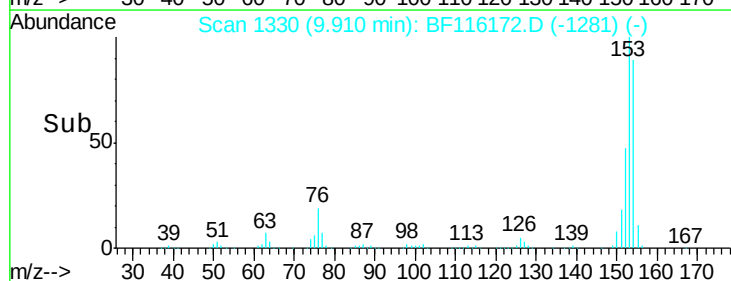
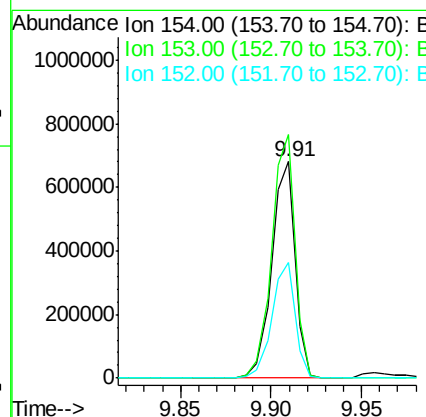
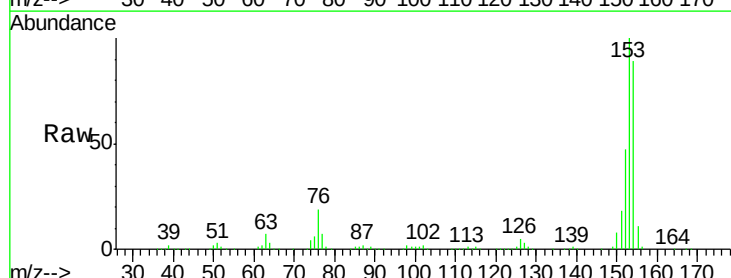
Manual Integrations
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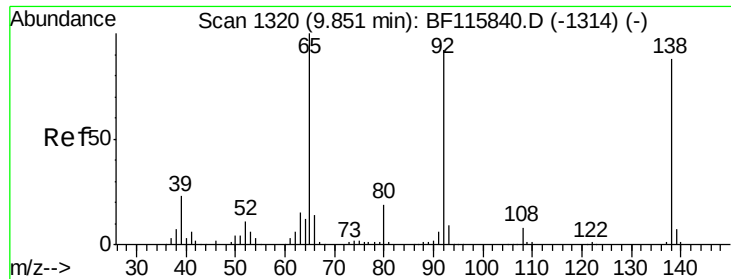
mohammad
8/14/2019 2:55:04 AM



#52
Acenaphthene
Concen: 45.214 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.4	89.4	134.0
152	53.3	42.3	63.5





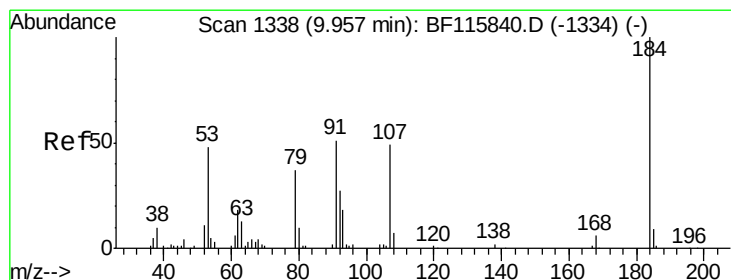
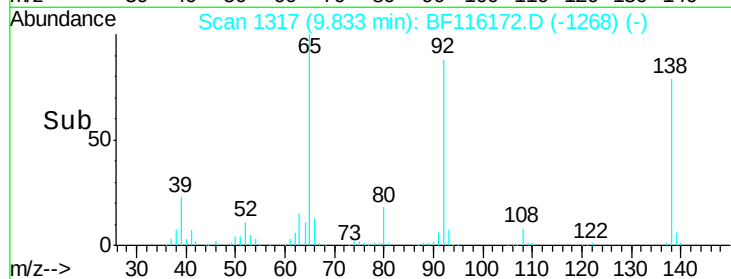
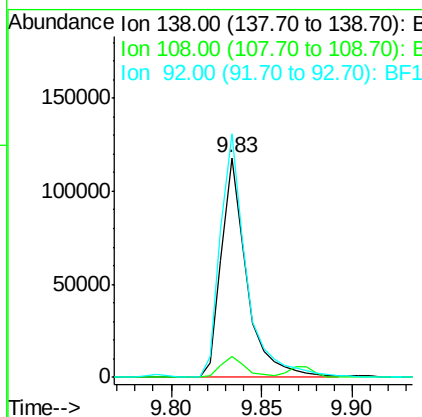
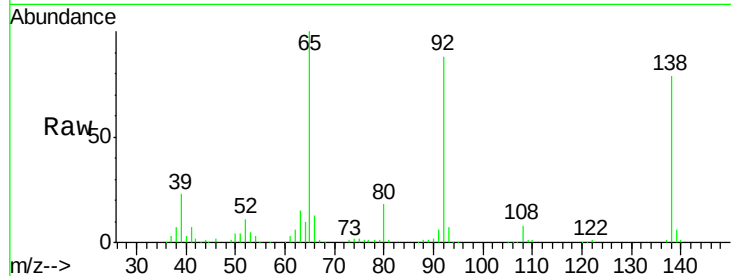
#53
3-Nitroaniline
Concen: 24.619 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
138	100	115601		
108	9.8	8.0	12.0	
92	111.0	91.0	136.6	

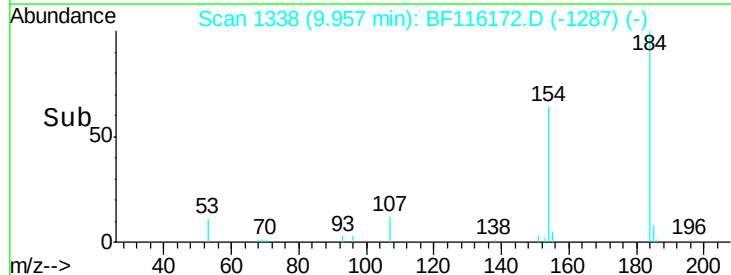
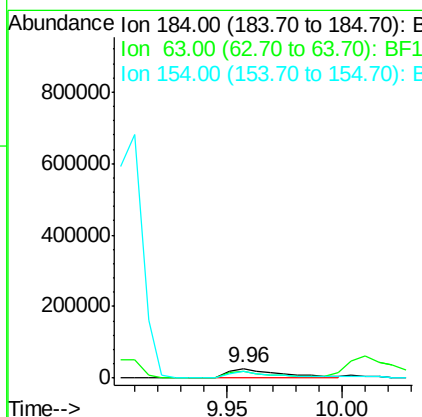
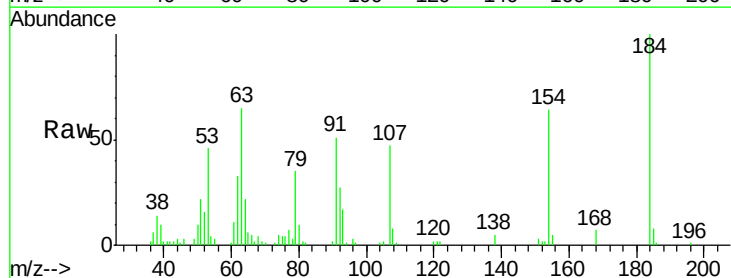
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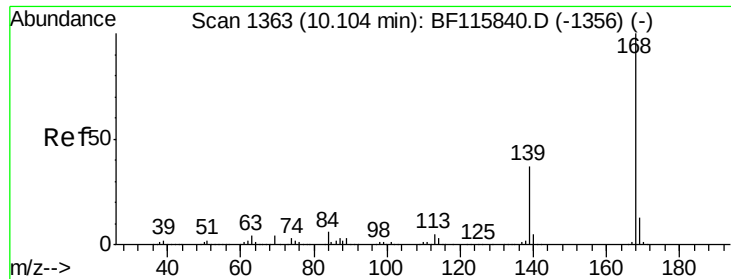
mohammad
8/14/2019 2:55:04 AM



#54
2,4-Dinitrophenol
Concen: 28.235 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	43745		
63	65.2	53.0	79.4	
154	64.0	50.1	75.1	





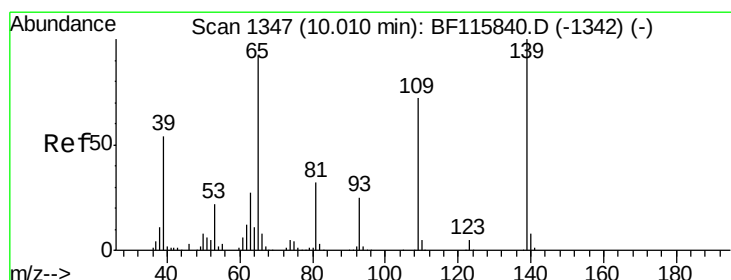
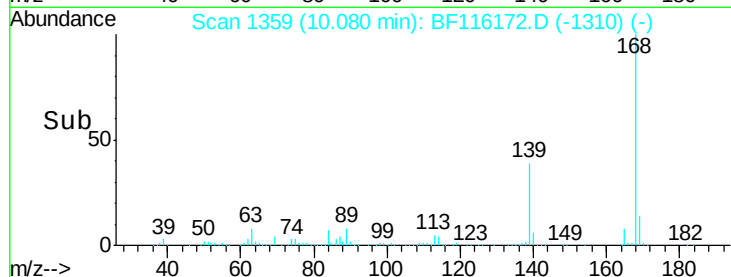
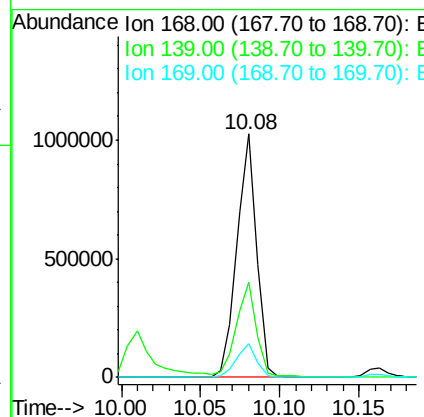
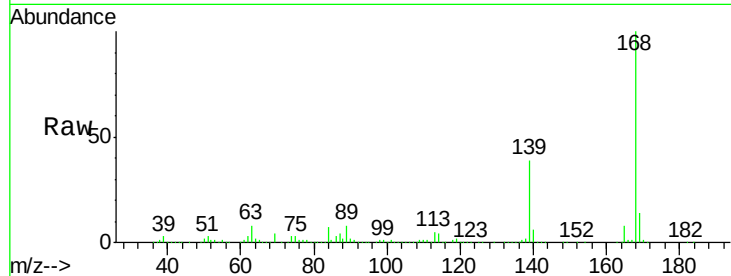
#55
Dibenzenofuran
Concen: 45.088 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
168	100	885600		
139	39.0		31.4	47.2
169	13.7		10.9	16.3

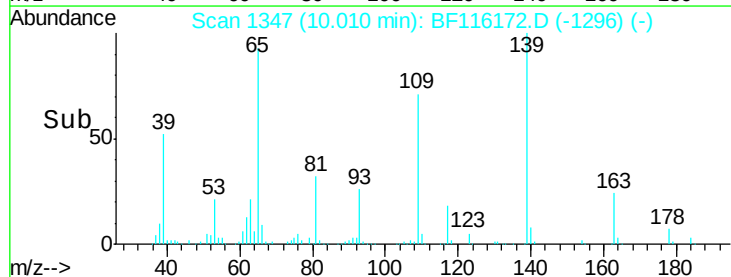
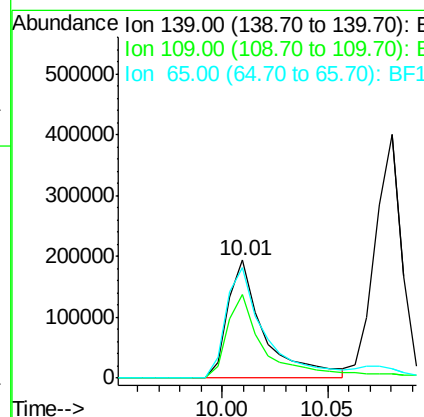
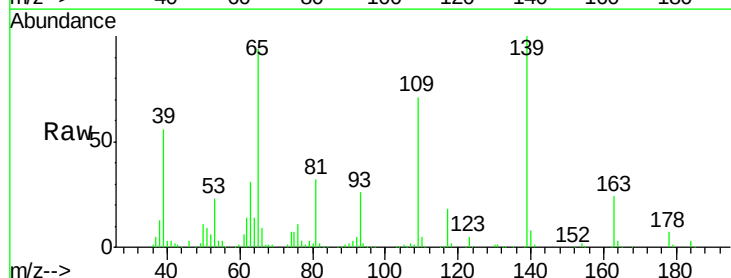
Manual Integrations
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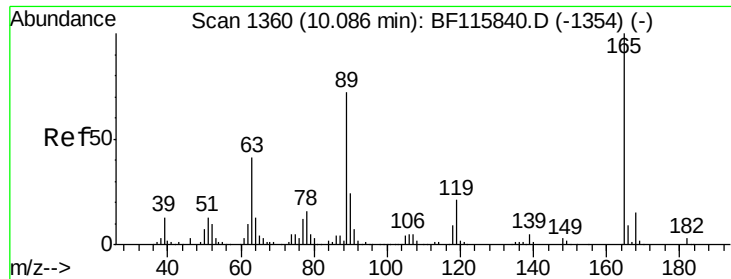
mohammad
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#56
4-Nitrophenol
Concen: 77.228 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	232300		
109	71.1		54.4	94.4
65	94.1		80.6	120.6





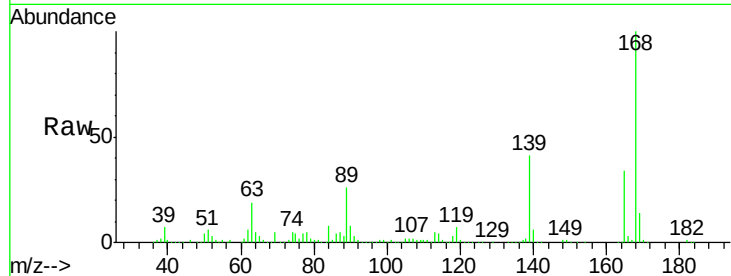
#57
2,4-Dinitrotoluene
Concen: 42.824 ng
RT: 10.07 min Scan# 1358
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

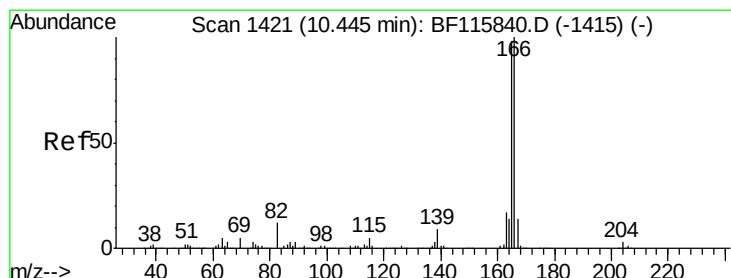
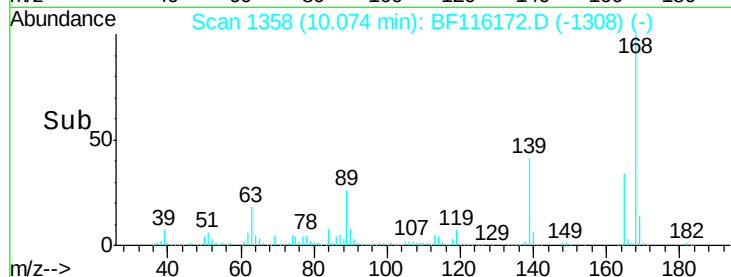
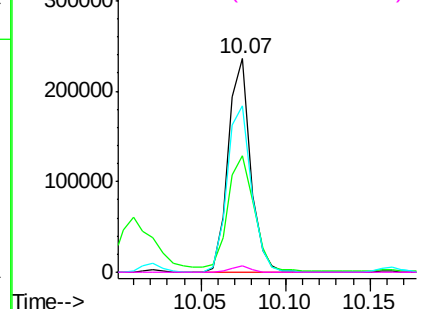
Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		216668		
63	54.7	39.6	59.4		
89	77.8	62.2	93.2		
182	2.7	2.1	3.1		

Manual Integrations
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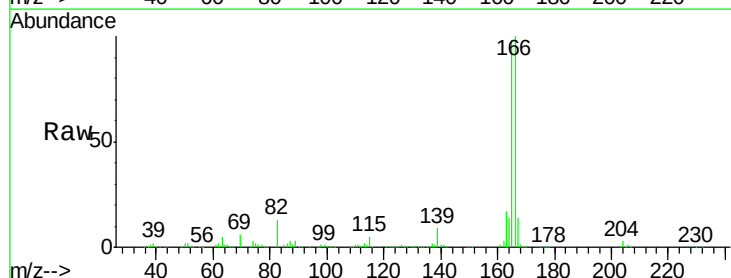


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

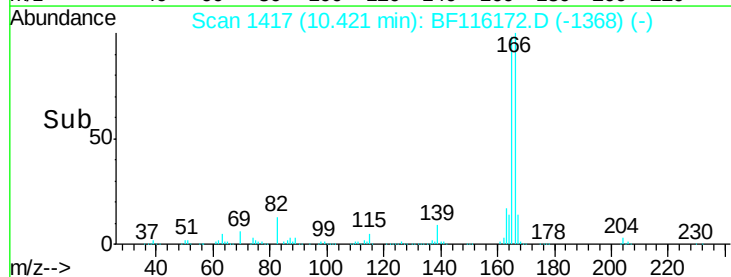
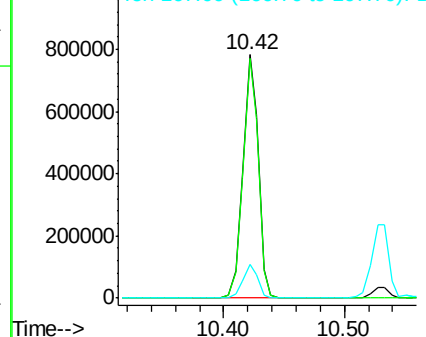


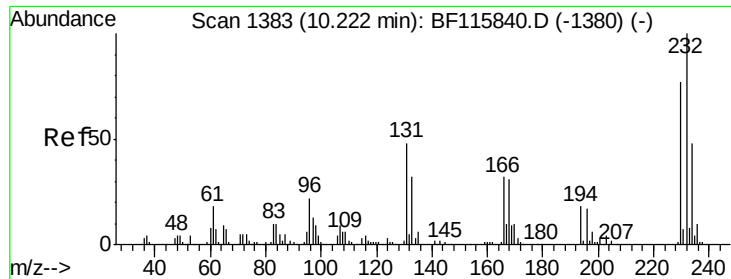
#58
Fluorene
Concen: 46.132 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		697145		
165	98.4	78.4	117.6		
167	13.8	11.0	16.4		



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





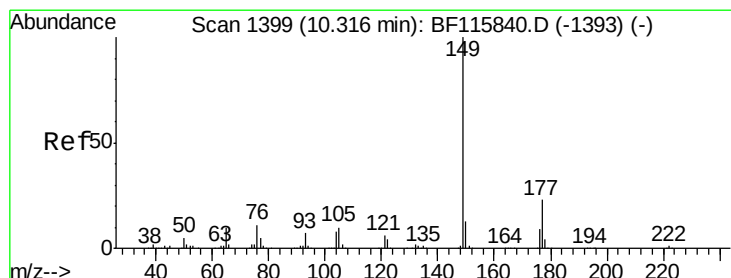
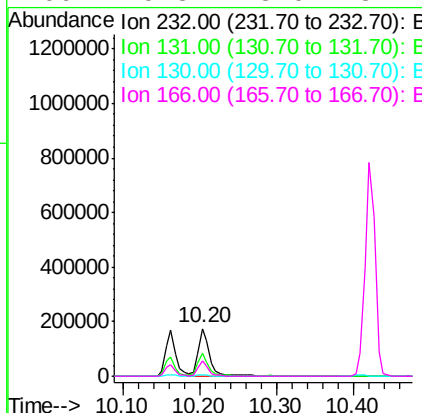
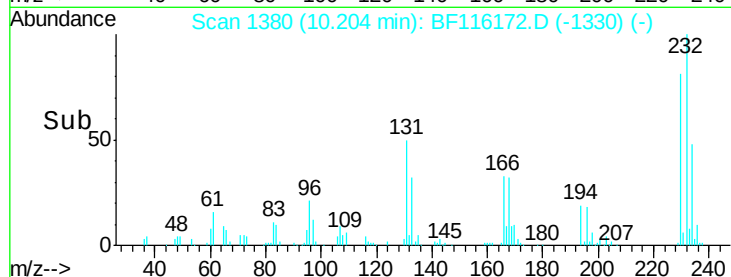
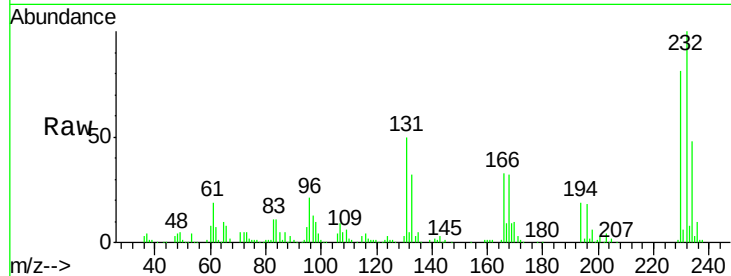
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.907 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		180455		
131	44.5	36.2	54.2		
130	2.3	1.9	2.9		
166	29.3	23.0	34.4		

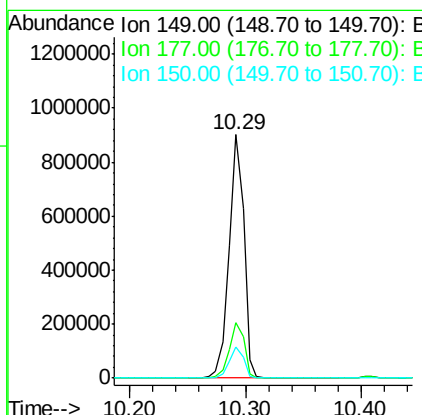
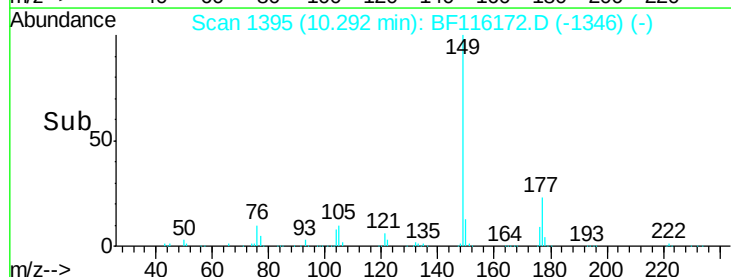
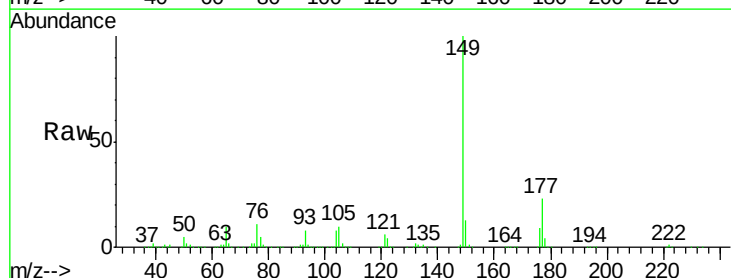
Manual Integrations
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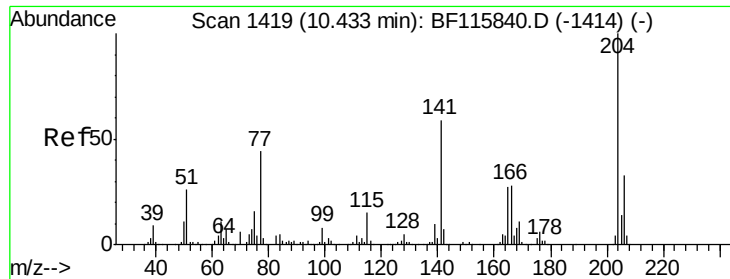
mohammad
8/14/2019 2:55:04 AM



#60
Diethylphthalate
Concen: 49.078 ng
RT: 10.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		801238		
177	22.9	18.8	28.2		
150	12.6	10.2	15.4		





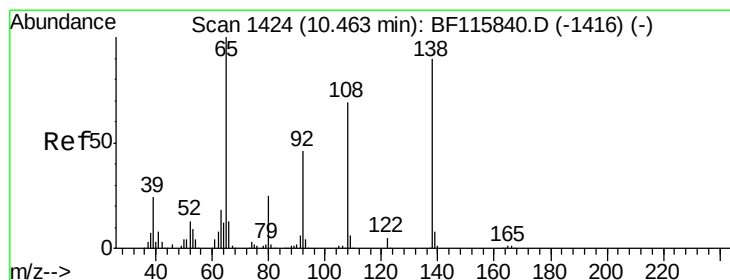
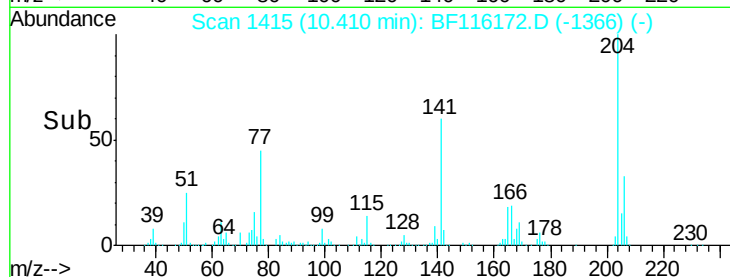
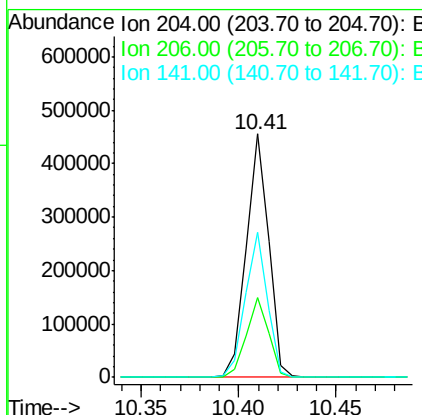
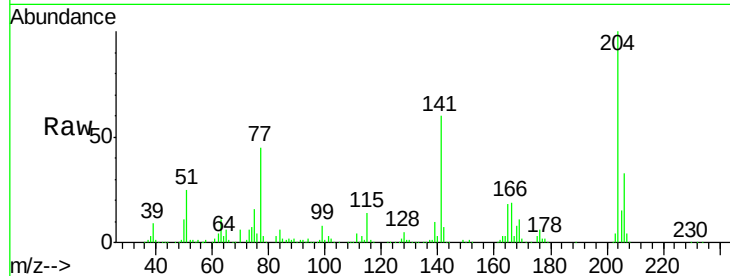
#61
4-Chlorophenyl-phenylether
Concen: 47.190 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.4	39.6
141	59.6	46.4	69.6

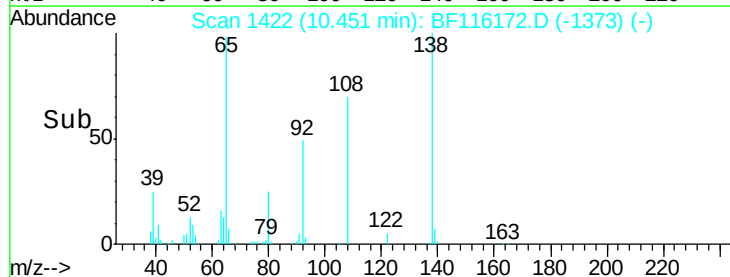
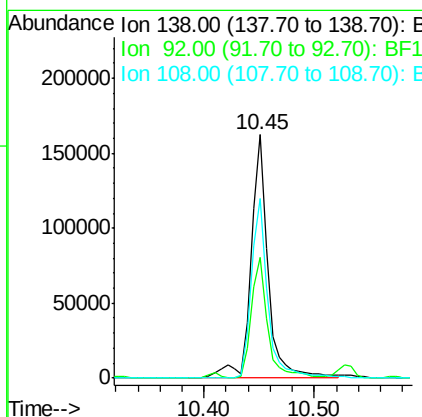
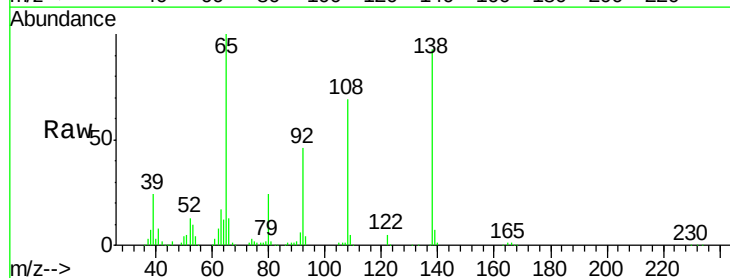
Manual Integrations
APPROVED

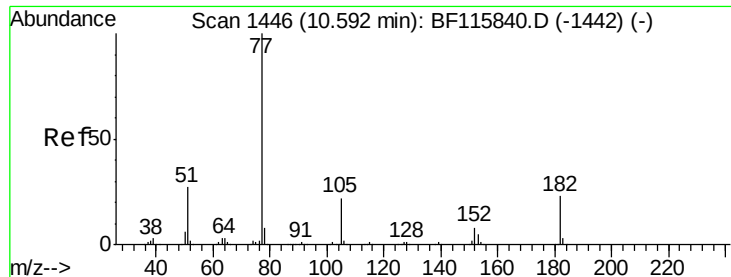
mohammad
8/14/2019 2:55:04 AM



#62
4-Nitroaniline
Concen: 36.567 ng
RT: 10.45 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.0	69.0
108	74.0	54.7	94.7





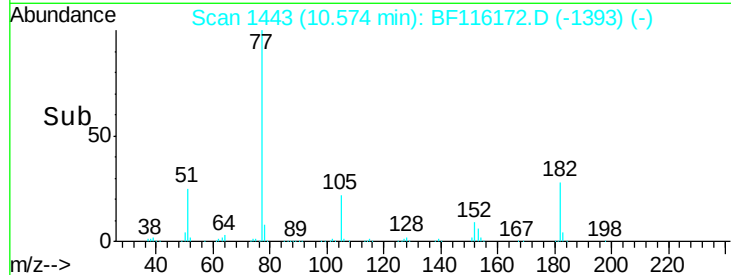
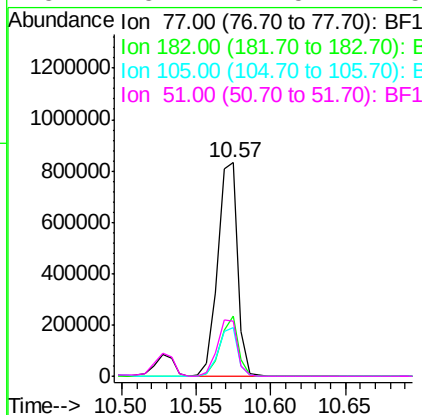
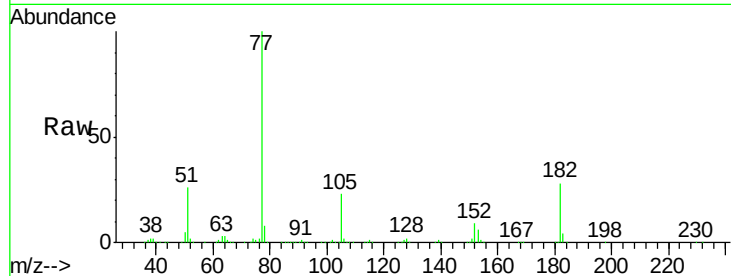
#63
Azobenzene
Concen: 46.465 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		780245		
182	28.0	4.0	44.0		
105	23.1	2.0	42.0		
51	25.7	7.5	47.5		

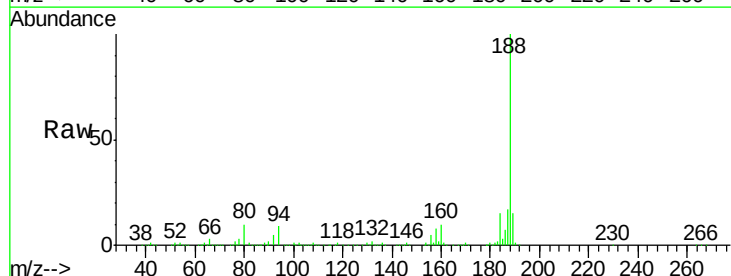
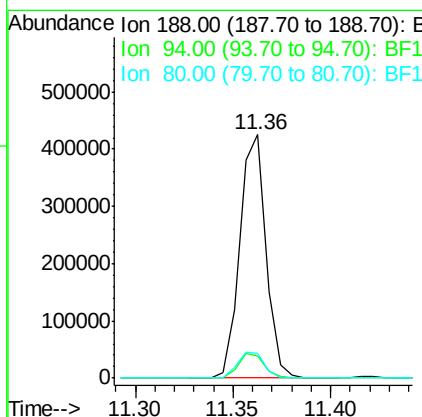
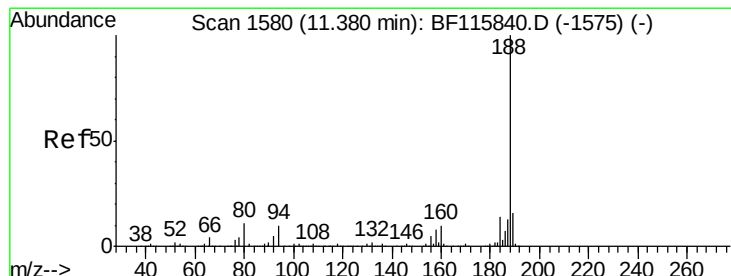
Manual Integrations
APPROVED

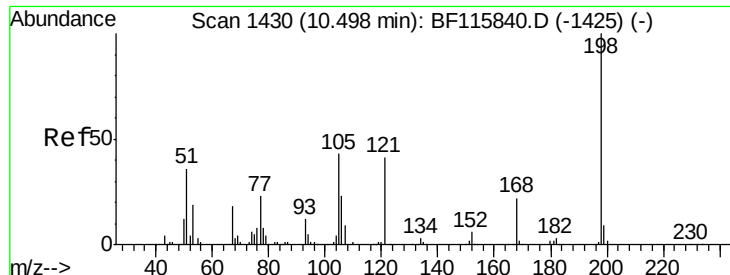
mohammad
8/14/2019 2:55:04 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		395275		
94	9.1	8.1	12.1		
80	9.9	8.7	13.1		





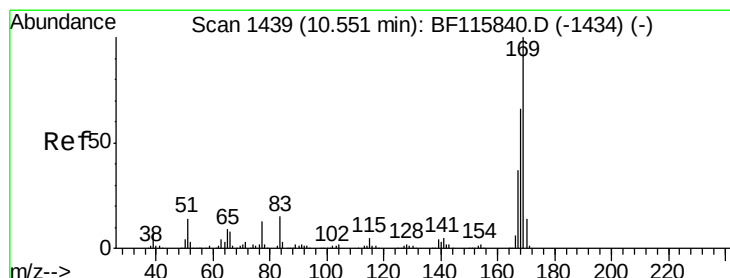
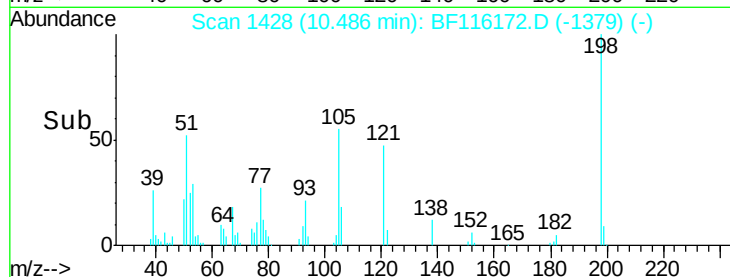
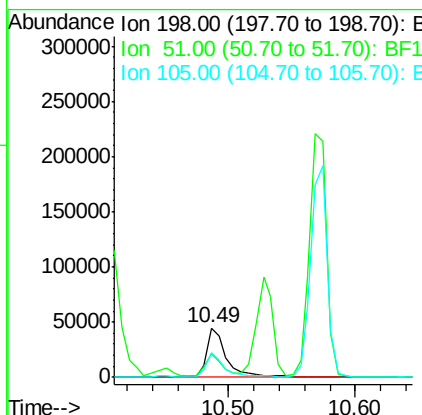
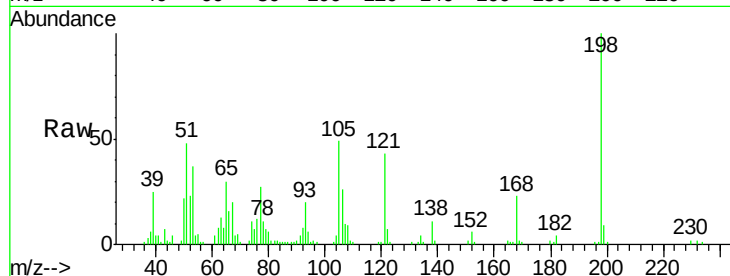
#65
4,6-Dinitro-2-methylphenol
Concen: 23.781 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	49814		
51	47.8	17.0	57.0	
105	49.3	21.6	61.6	

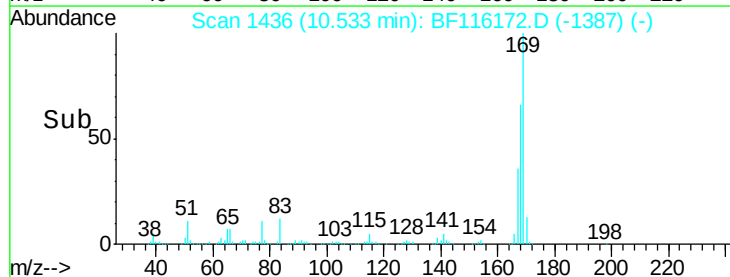
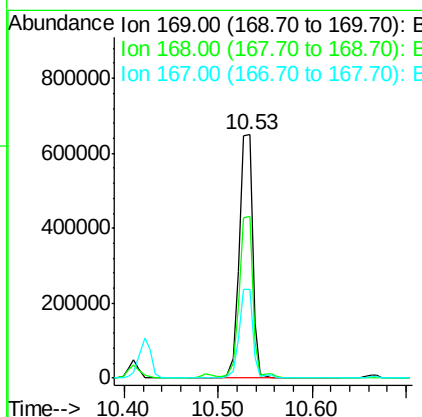
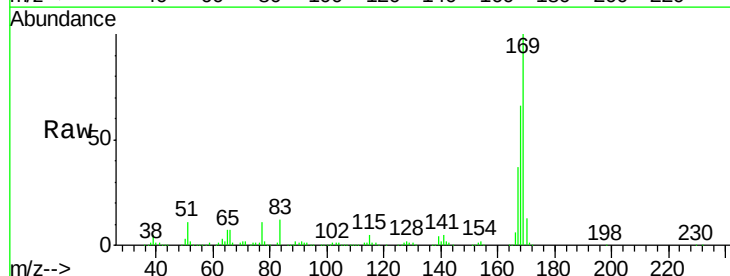
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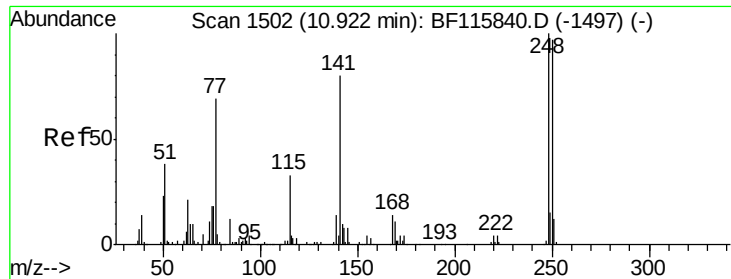
mohammad
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#66
n-Nitrosodiphenylamine
Concen: 53.766 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	639669		
168	66.5	53.8	80.6	
167	36.5	29.6	44.4	





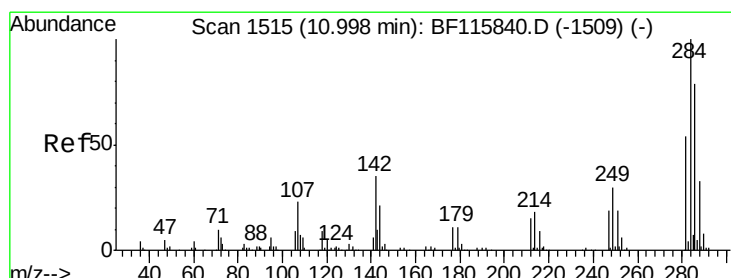
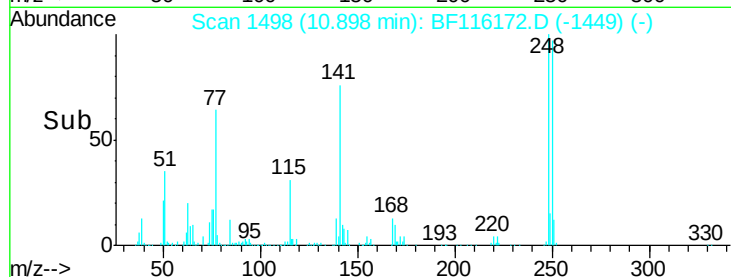
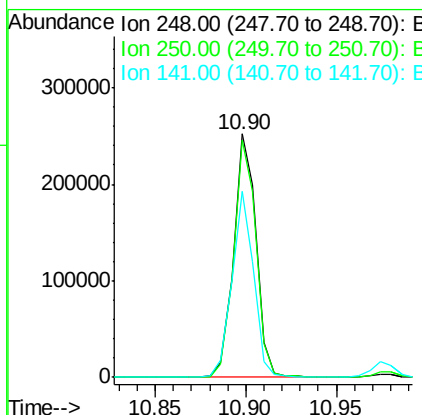
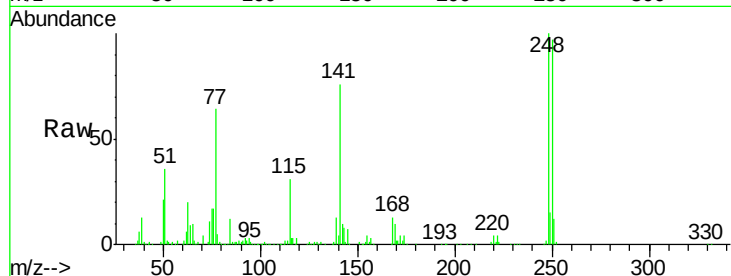
#67
4-Bromophenyl-phenylether
Concen: 51.318 ng
RT: 10.90 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.4	116.2
141	76.5	56.8	85.2

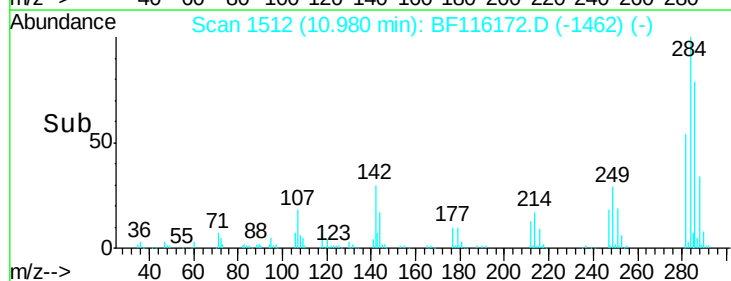
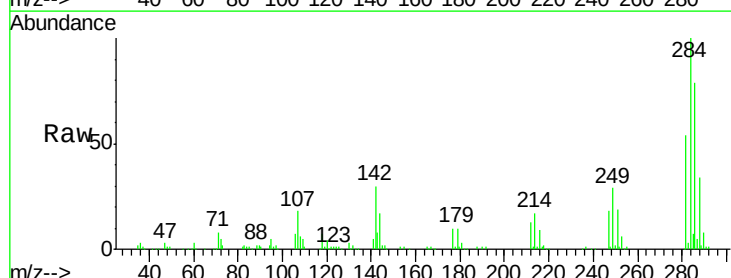
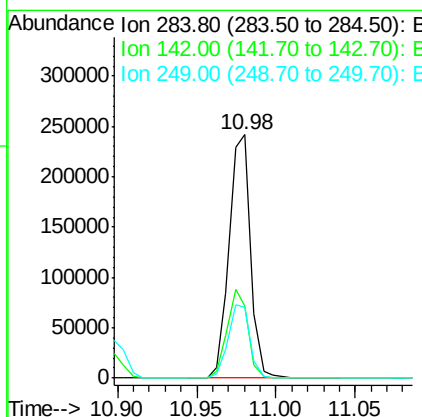
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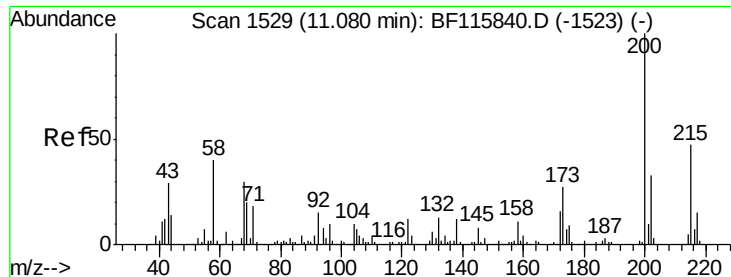
mohammad
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#68
Hexachlorobenzene
Concen: 46.523 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.8	28.4	42.6
249	28.9	24.5	36.7





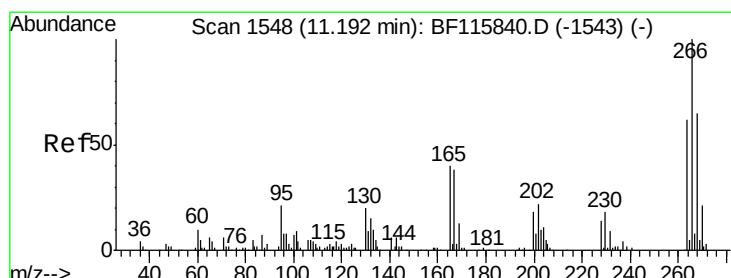
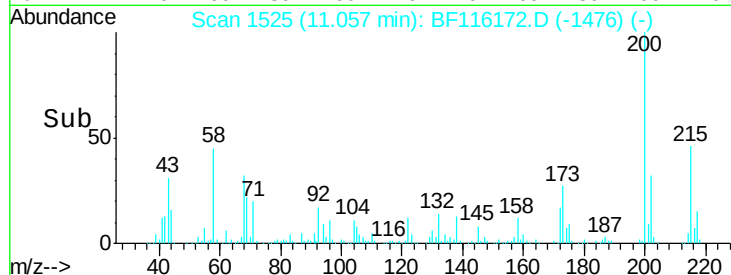
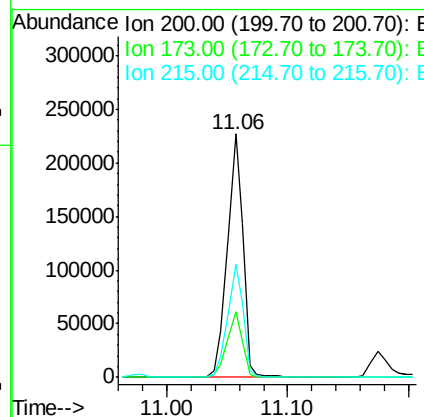
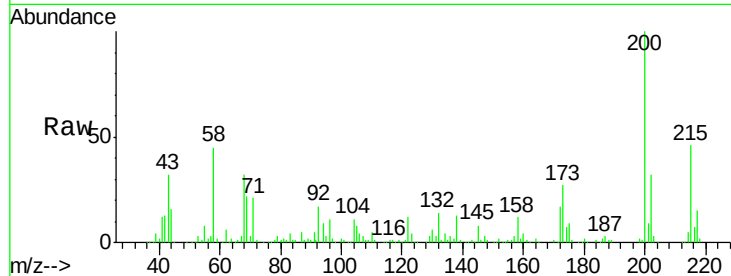
#69
 Atrazine
 Concen: 51.794 ng
 RT: 11.06 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.9	6.8	46.8
215	46.4	27.5	67.5

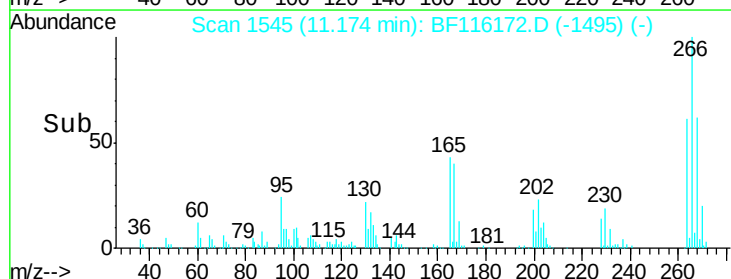
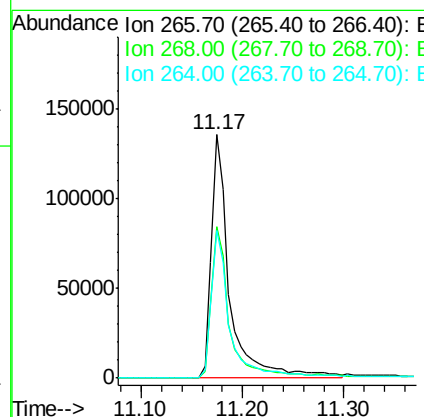
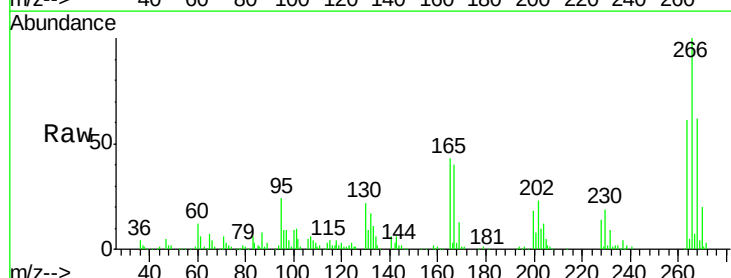
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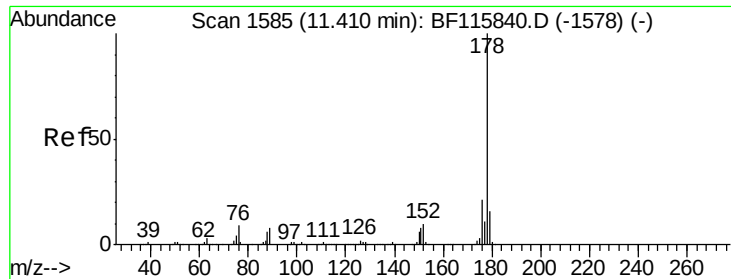
mohammad
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#70
 Pentachlorophenol
 Concen: 72.108 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	62.4	48.8	73.2
264	60.7	50.6	76.0





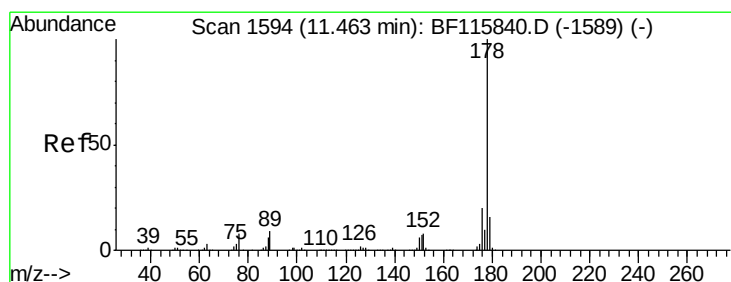
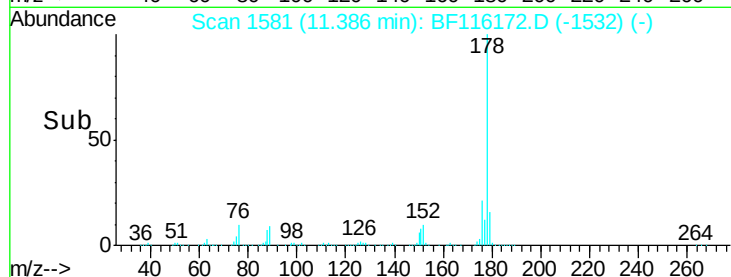
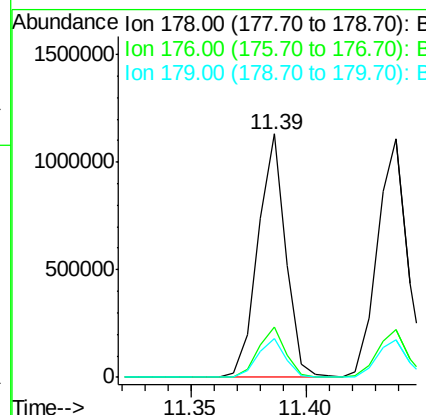
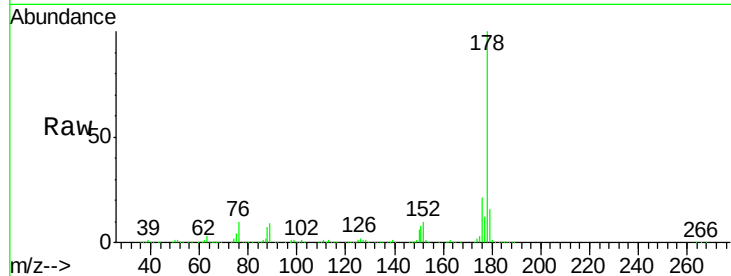
#71
Phenanthrene
Concen: 46.985 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.6	24.8
179	15.9	12.5	18.7

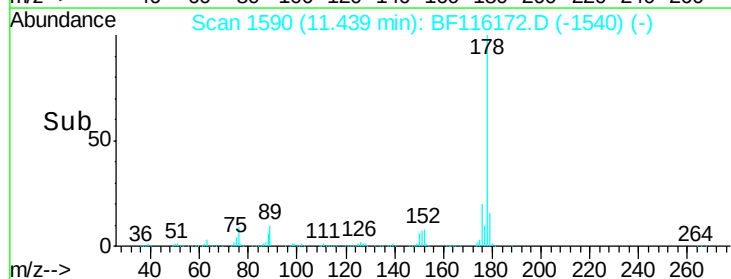
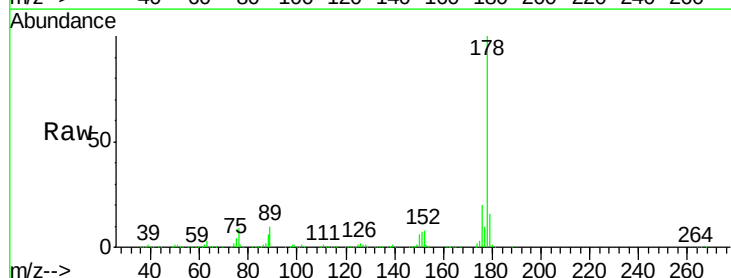
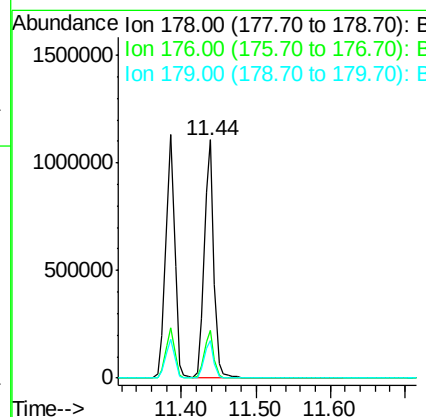
Manual Integrations
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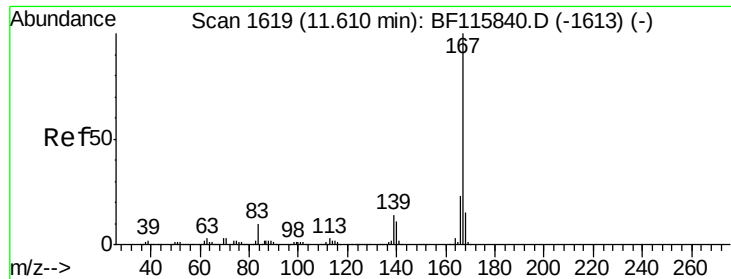
mohammad
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#72
Anthracene
Concen: 49.224 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.7	23.5
179	15.7	13.0	19.6





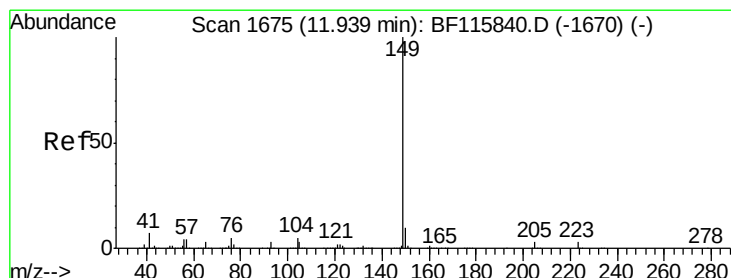
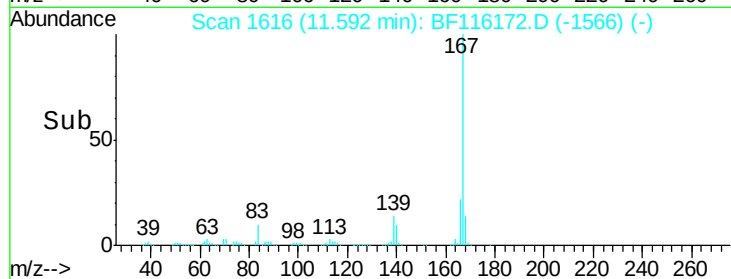
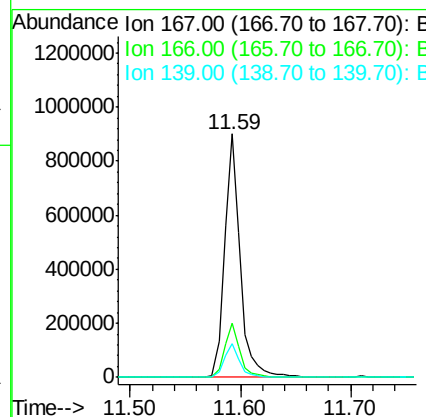
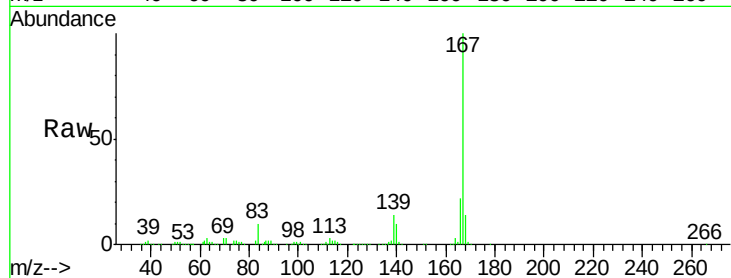
#73
 Carbazole
 Concen: 47.831 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.8	26.6
139	13.7	11.4	17.0

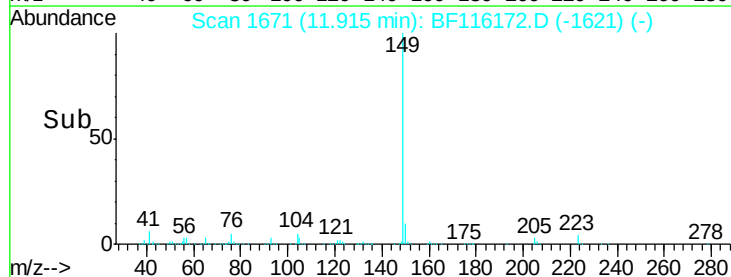
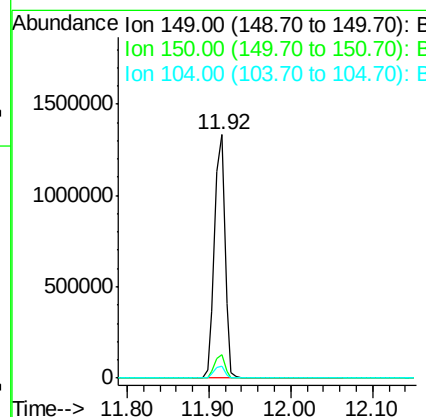
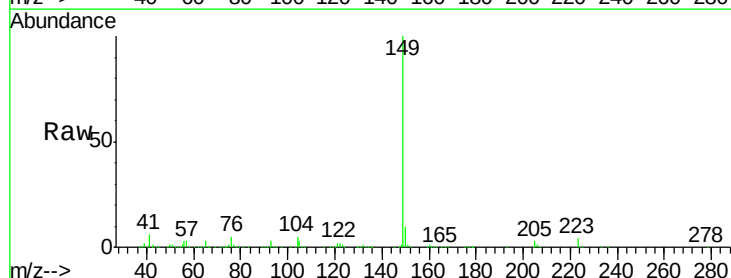
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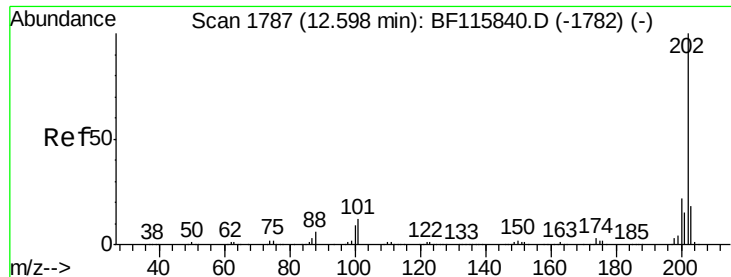
mohammad
 8/14/2019 2:55:04 AM



#74
 Di-n-butylphthalate
 Concen: 54.532 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.0	12.0
104	5.1	4.5	6.7





#75

Fluoranthene

Concen: 43.740 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

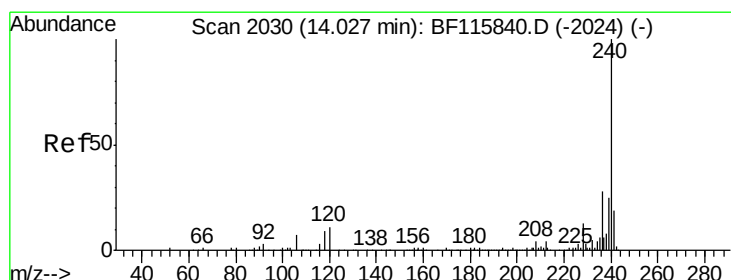
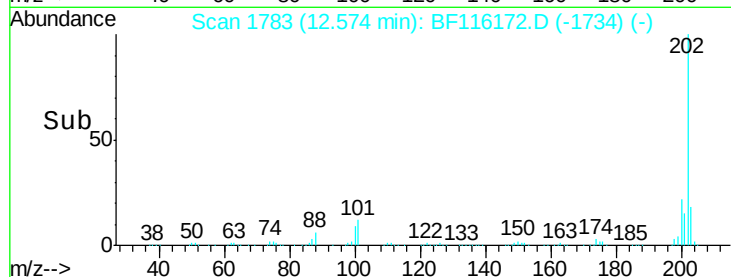
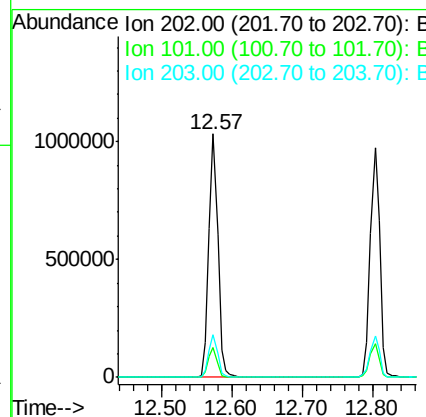
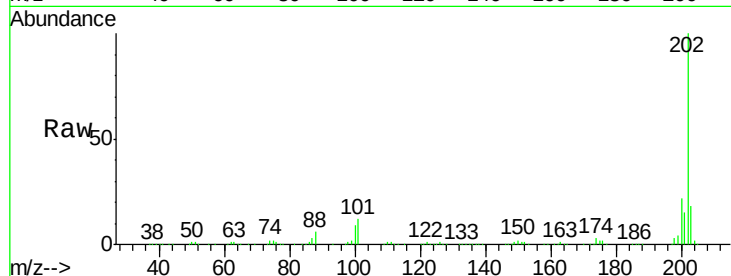
ClientSampled :

PE-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		925316		
101	12.4	0.0	31.2		
203	17.7	0.0	37.8		

Manual Integrations
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8/14/2019 2:55:04 AM



#76

Chrysene-d12

Concen: 20.000 ng

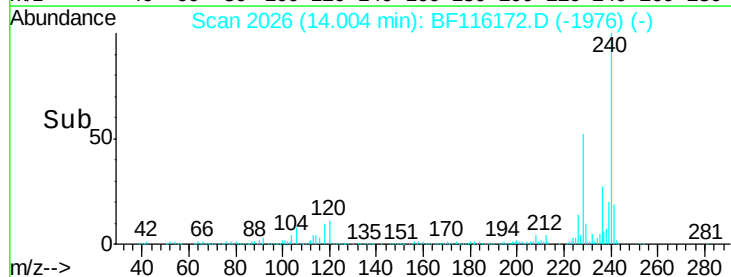
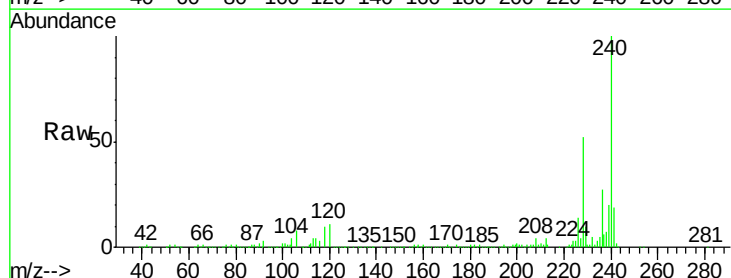
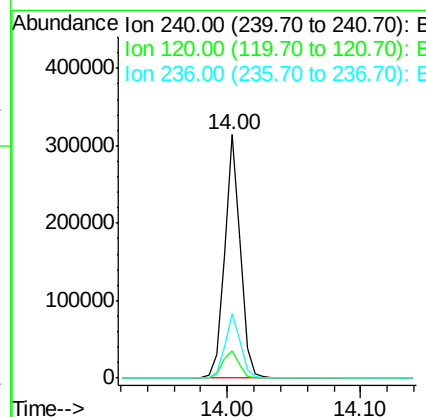
RT: 14.00 min Scan# 2026

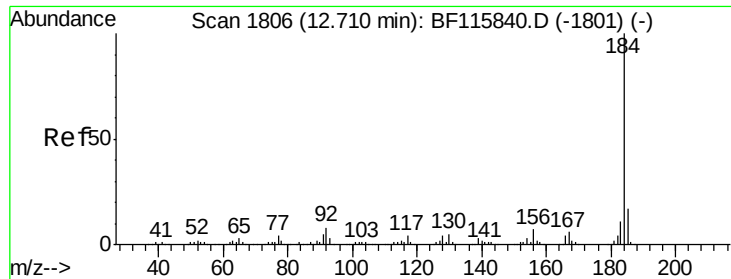
Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		260478		
120	11.3	10.7	16.1		
236	26.7	22.2	33.2		





#77

Benzidine

Concen: 52.483 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

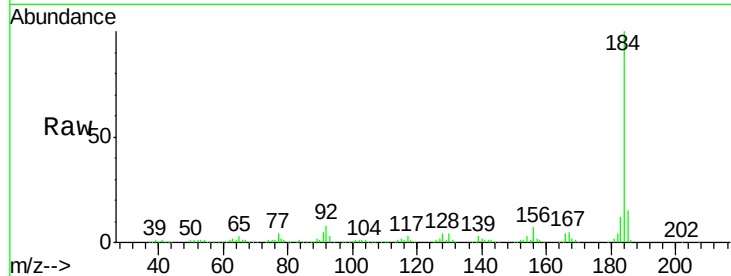
ClientSampled :

PE-4MSD

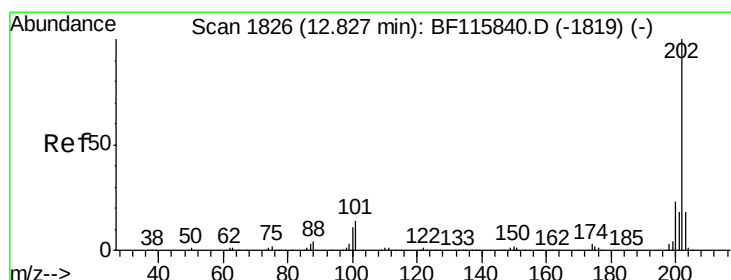
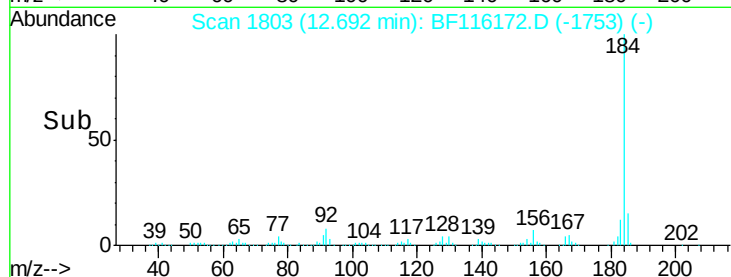
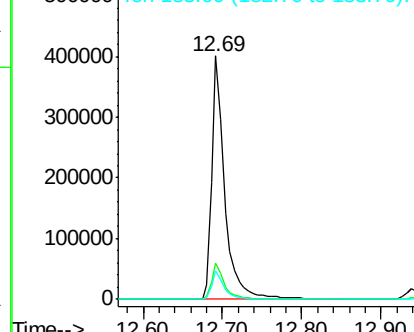
Tot Ion:	184	Resp:	461851
Ion Ratio	Lower	Upper	
184	100		
185	14.7	12.8	19.2
183	11.8	9.4	14.0

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



#78

Pyrene

Concen: 46.689 ng

RT: 12.80 min Scan# 1822

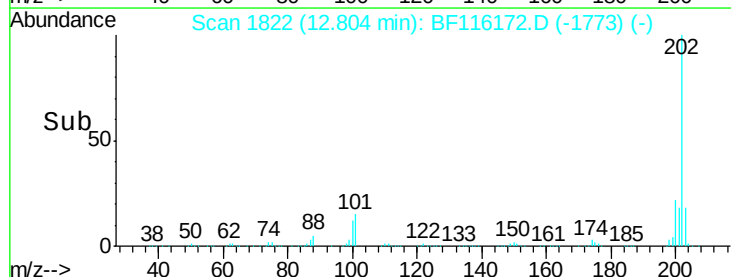
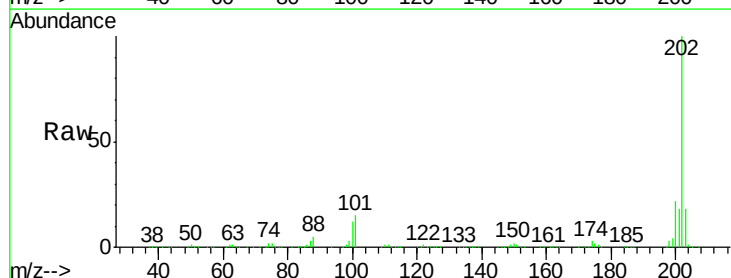
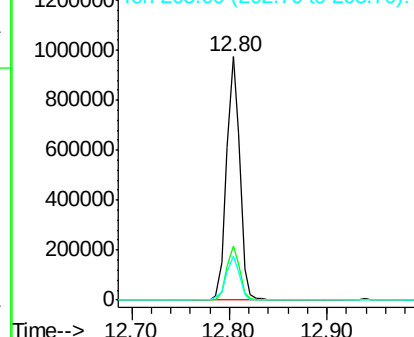
Delta R.T. -0.01 min

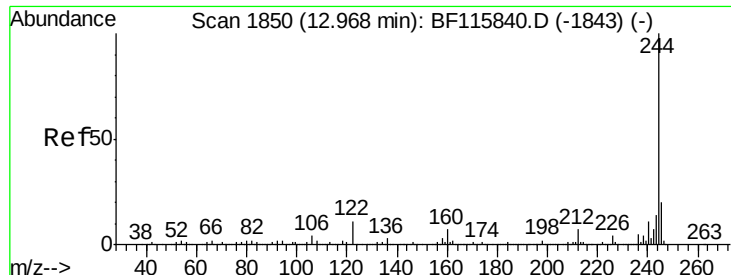
Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Tgt Ion:	202	Resp:	916746
Ion Ratio	Lower	Upper	
202	100		
200	22.4	18.0	27.0
203	17.9	14.1	21.1

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





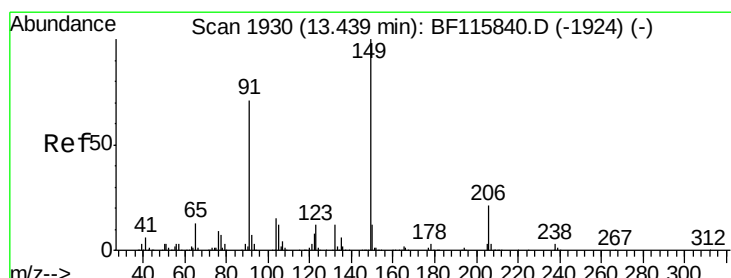
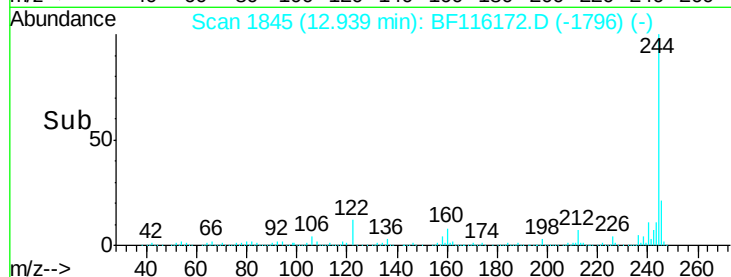
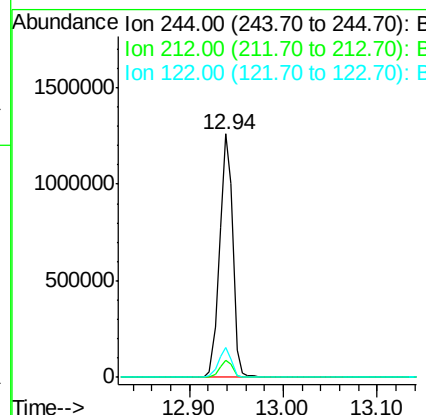
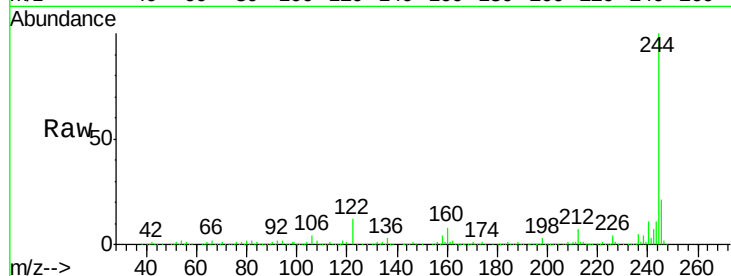
#79
 Terphenyl-d14
 Concen: 100.751 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampleId :
 PE-4MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.4	9.0	13.4

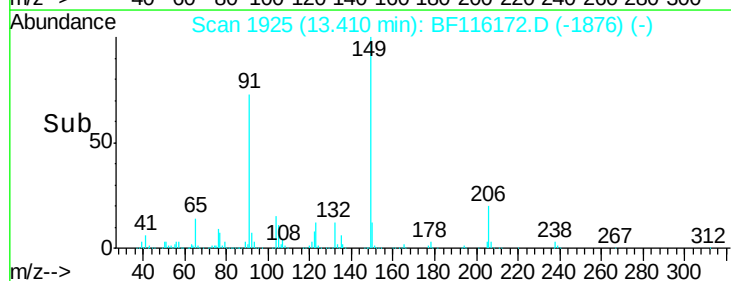
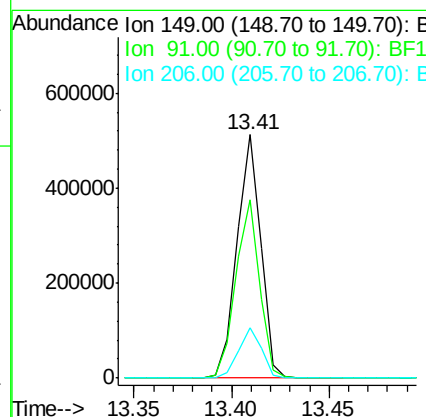
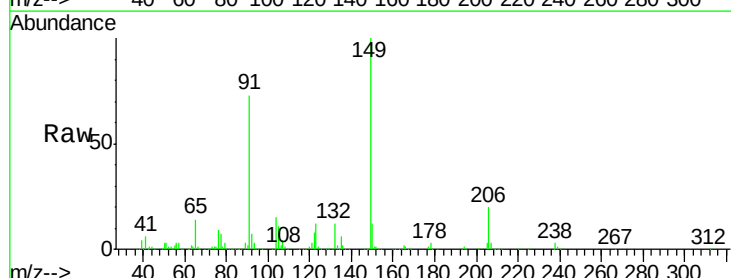
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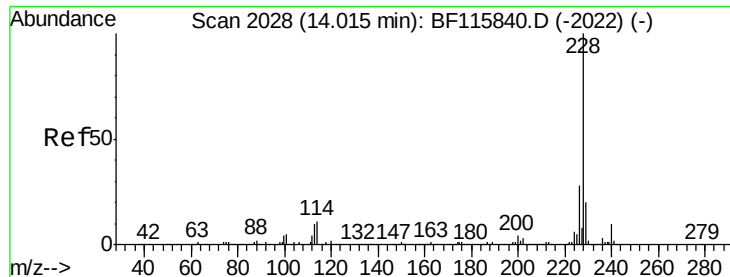
mohammad
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#80
 Butylbenzylphthalate
 Concen: 52.187 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
149	100		
91	73.2	56.3	84.5
206	20.5	18.0	27.0





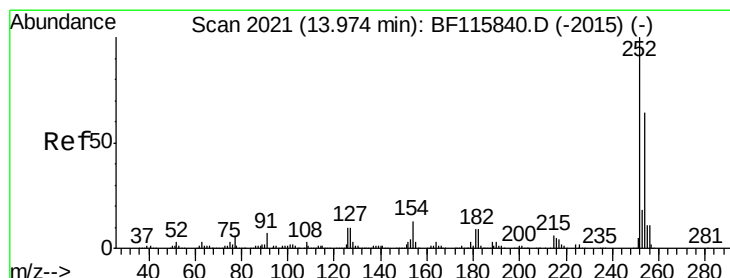
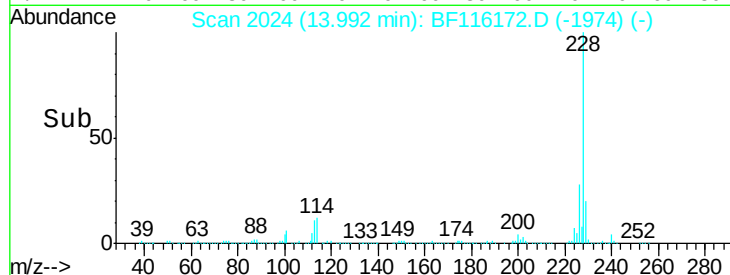
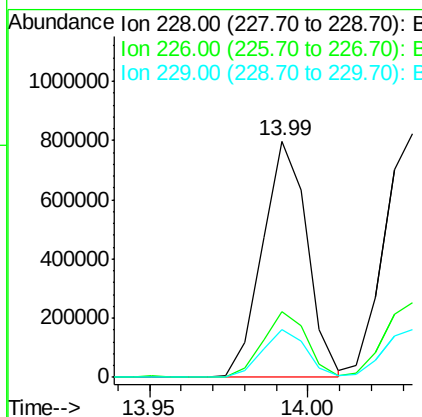
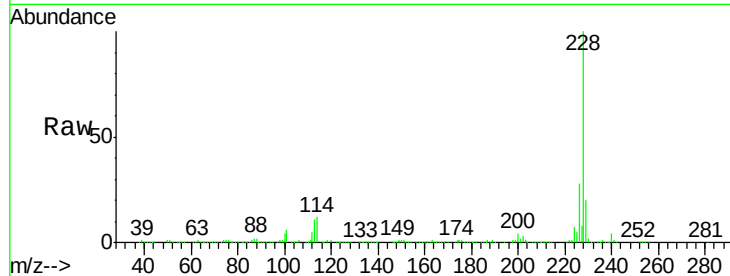
#81
Benzo(a)anthracene
Concen: 46.820 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.7	34.1
229	20.0	16.2	24.4

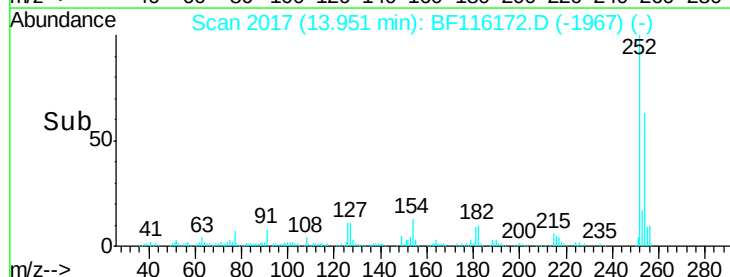
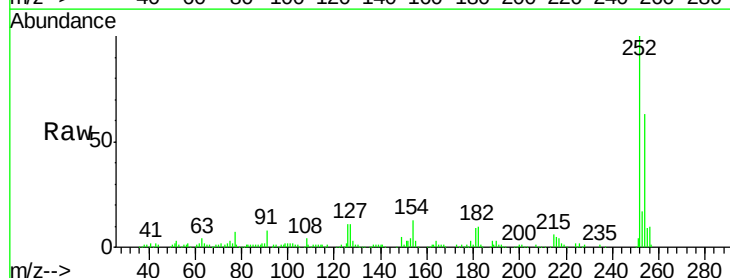
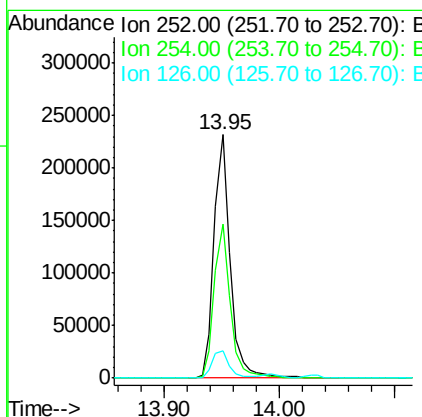
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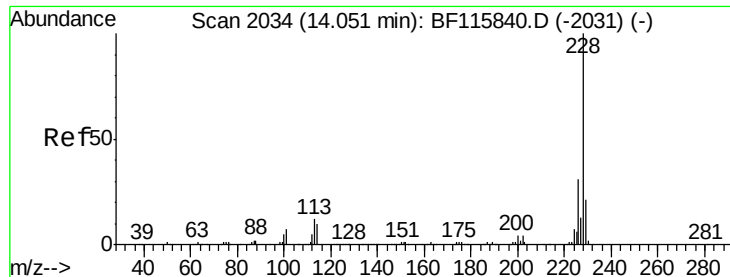
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 39.175 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.4	50.9	76.3
126	11.1	9.8	14.8





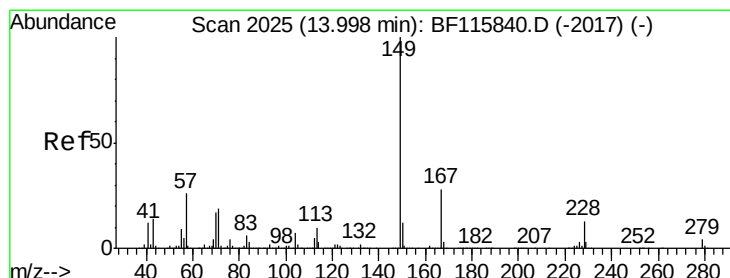
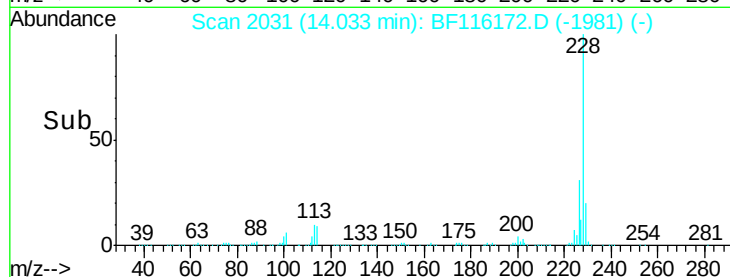
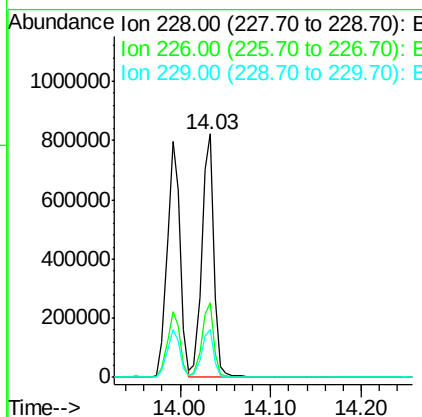
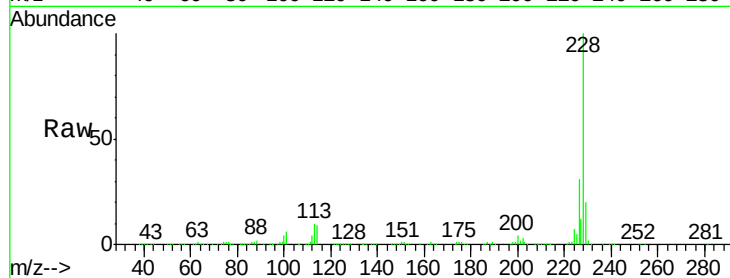
#83
 Chrysene
 Concen: 47.569 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Instrument :
 BNA_F
 ClientSampled :
 PE-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
228	100	768875		
226	30.5		25.5	38.3
229	19.5		16.6	24.8

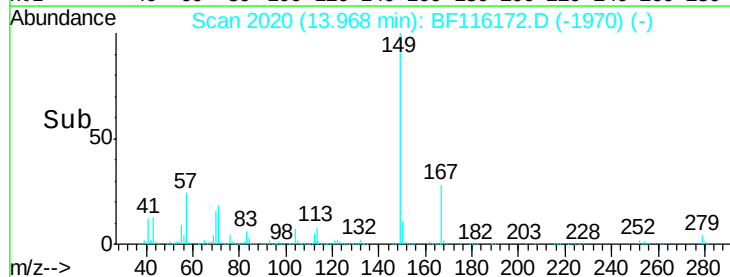
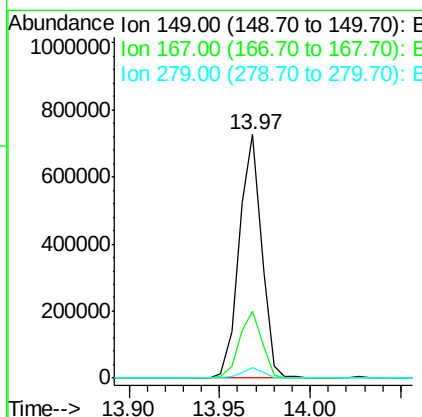
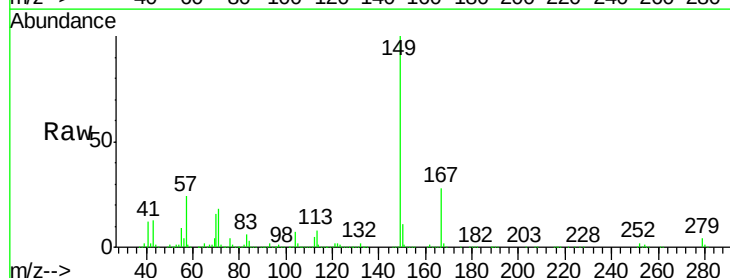
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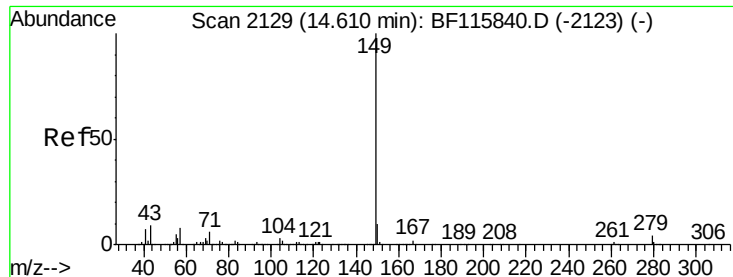
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 57.700 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF116172.D
 Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	622776		
167	27.7		21.6	32.4
279	4.3		3.0	4.4





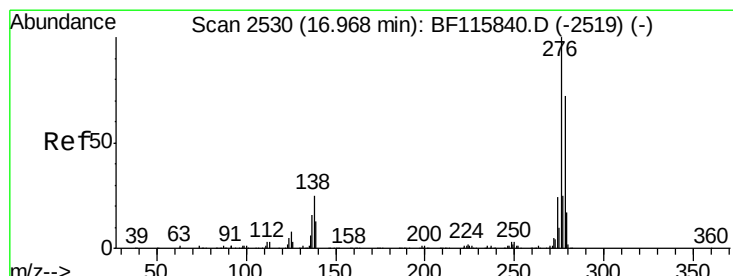
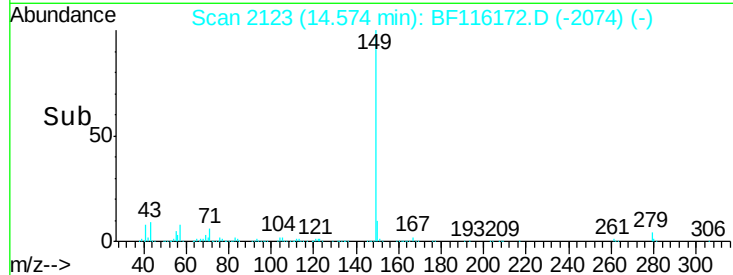
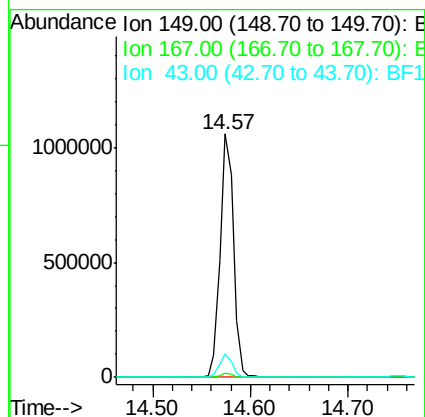
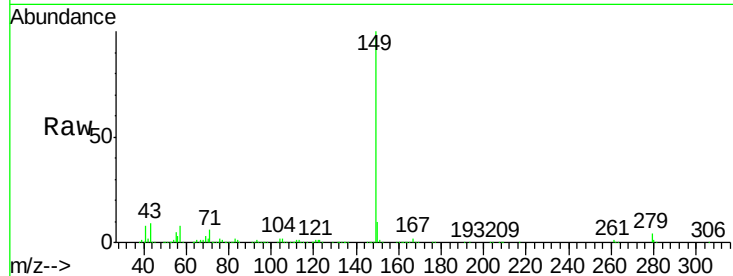
#85
Di-n-octyl phthalate
Concen: 58.757 ng
RT: 14.57 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	8.9	7.5	11.3

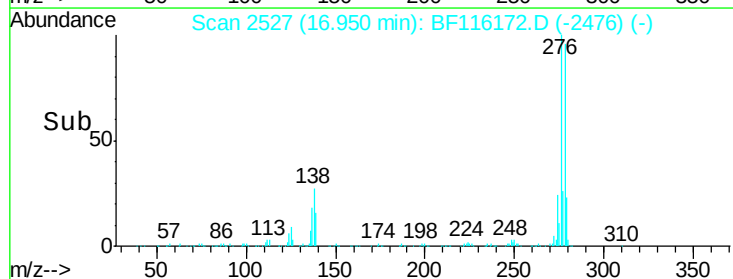
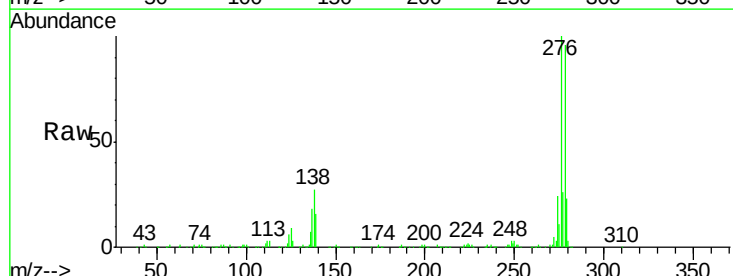
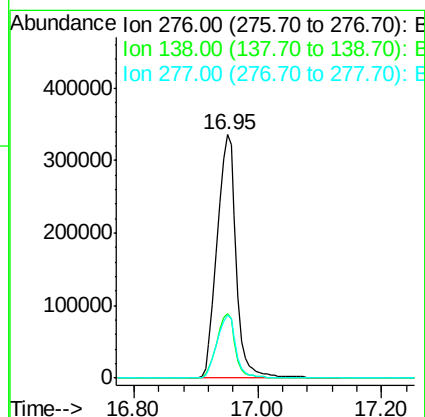
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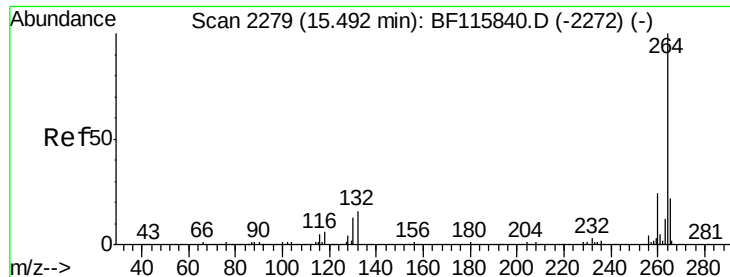
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 53.171 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.4	30.6
277	25.8	20.0	30.0





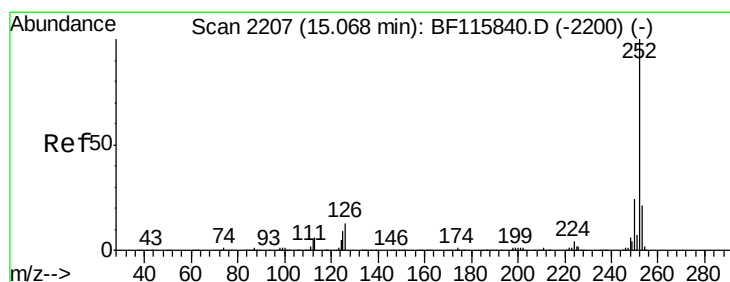
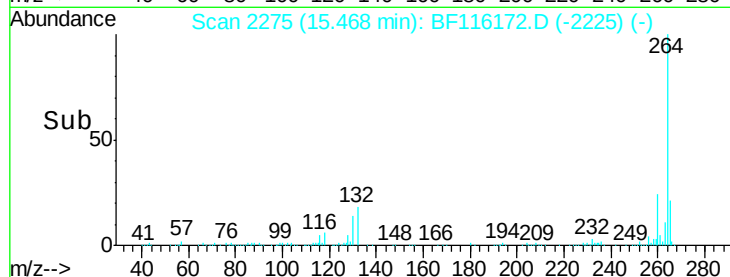
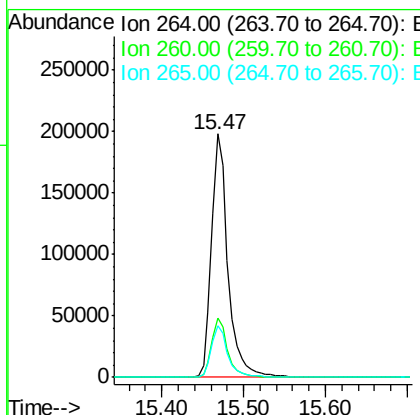
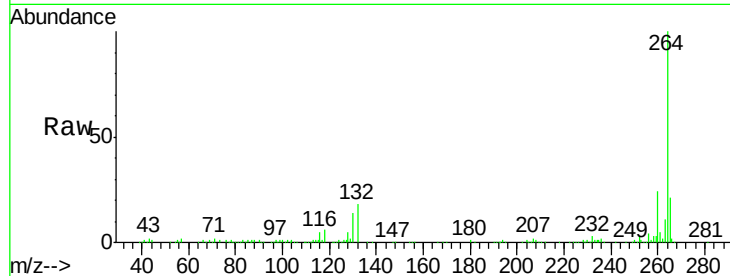
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampled :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.7	29.5
265	21.0	17.4	26.0

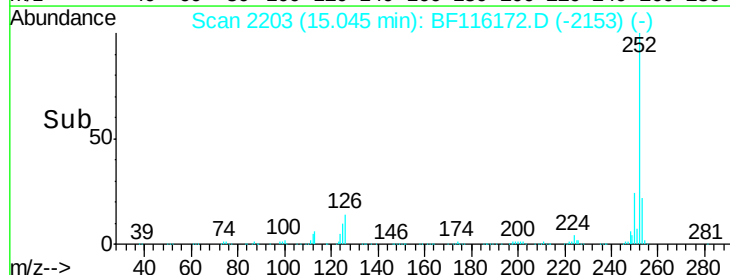
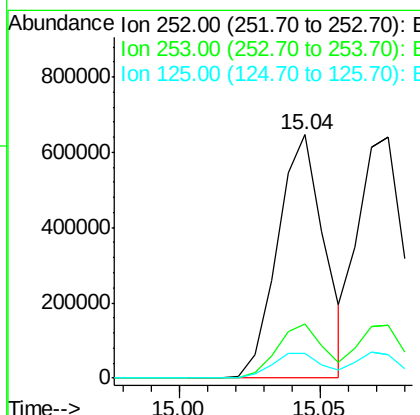
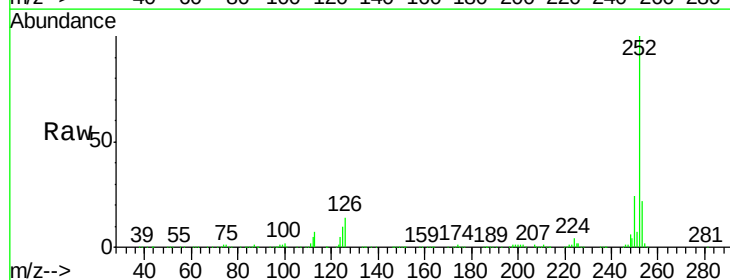
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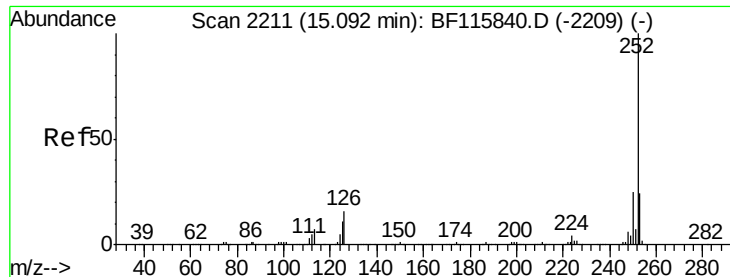
mohammad
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#88
Benzo(b)fluoranthene
Concen: 46.167 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	10.3	8.4	12.6





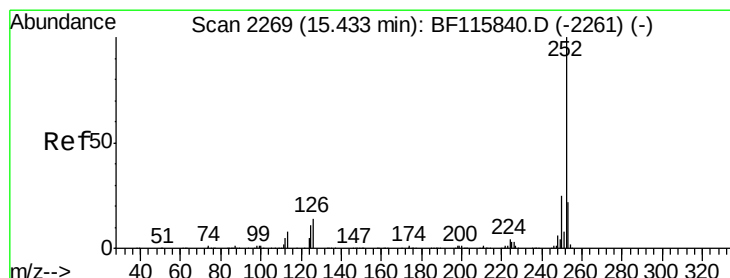
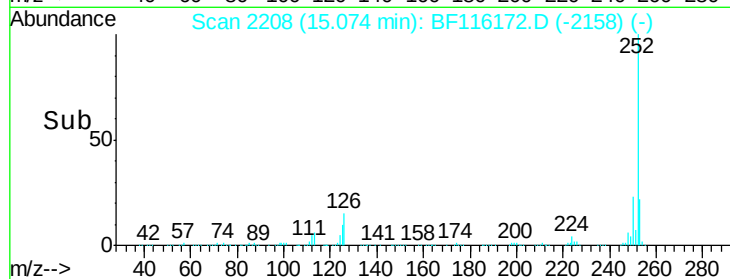
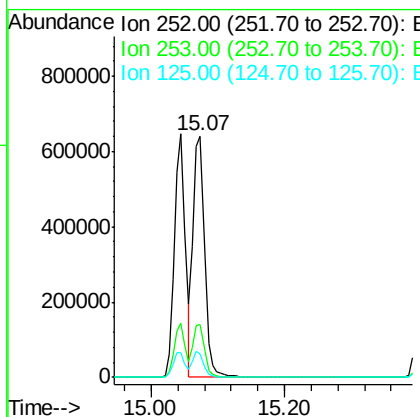
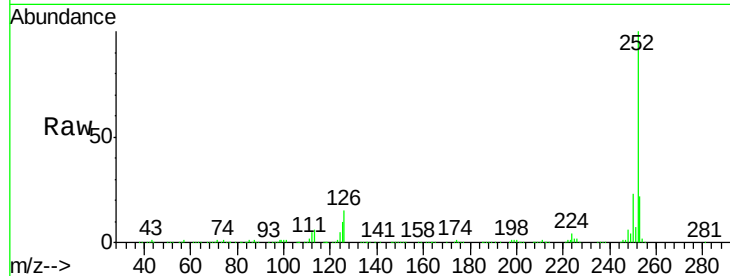
#89
Benzo(k)fluoranthene
Concen: 47.390 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Instrument :
BNA_F
ClientSampleId :
PE-4MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.0	7.7	11.5

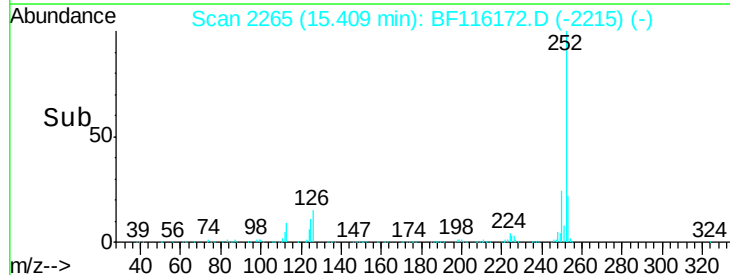
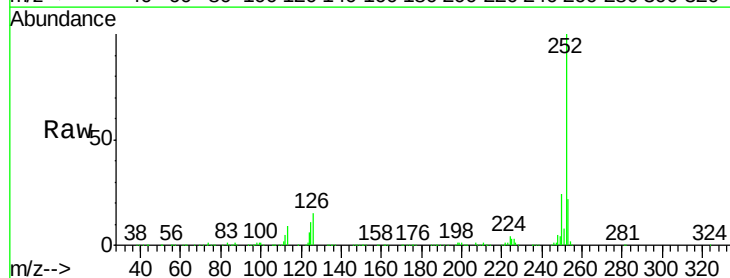
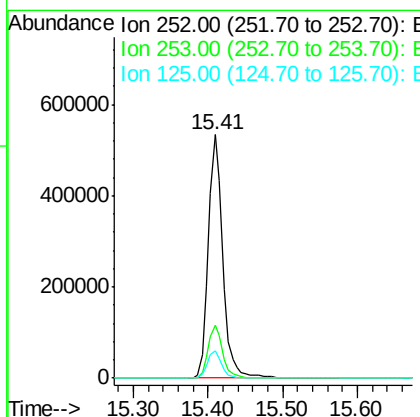
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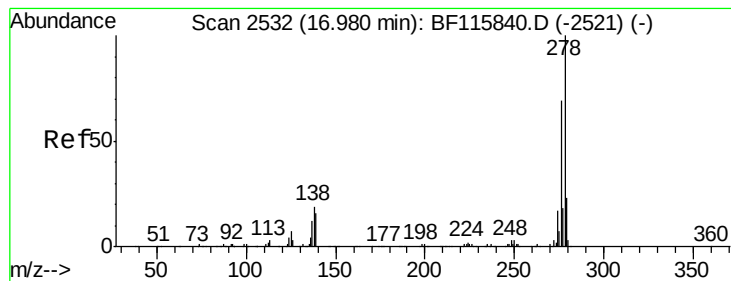
mohammad
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#90
Benzo(a)pyrene
Concen: 49.953 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116172.D
Acq: 11 Aug 2019 3:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.4	8.9	13.3





#91

Dibenzo(a,h)anthracene

Concen: 49.784 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Instrument :

BNA_F

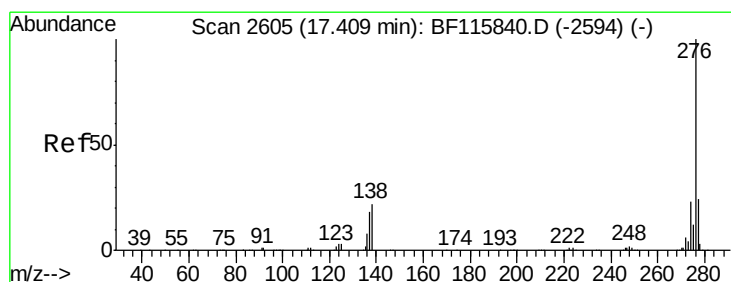
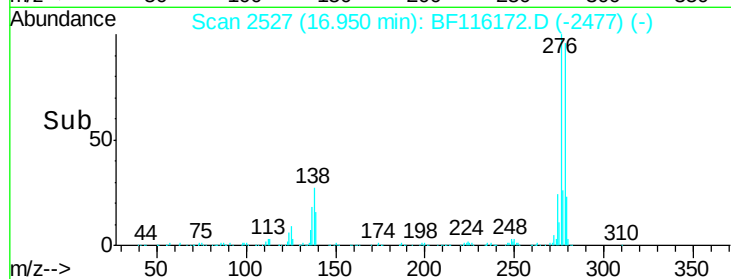
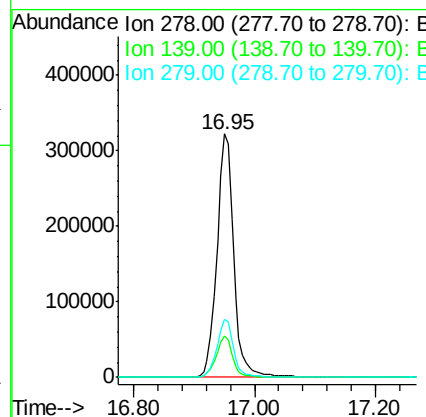
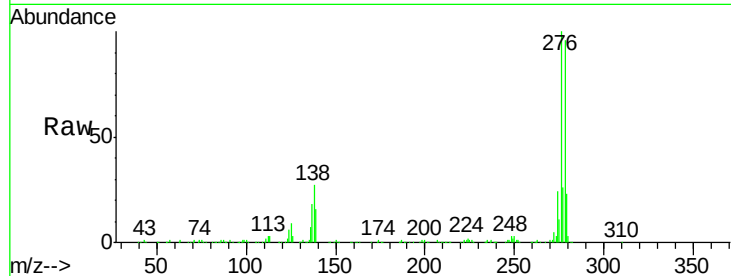
ClientSampleId :

PE-4MSD

Tot Ion:	278	Resp:	619710
Ion Ratio	Lower	Upper	
278	100		
139	16.9	12.8	19.2
279	24.0	18.8	28.2

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 47.935 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BF116172.D

Acq: 11 Aug 2019 3:38

Tgt Ion:	276	Resp:	586016
Ion Ratio	Lower	Upper	
276	100		
277	22.7	18.4	27.6
138	21.5	17.0	25.6

