

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115321.D
 Acq On : 29 Jun 2019 14:27
 Operator : HP/JU
 Sample : K3530-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

Manual Integrations
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 7/1/2019 5:59:07 PM

Quant Time: Jun 30 02:35:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	182581	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	710110	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	353858	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	719311	20.00	ng	0.00
76) Chrysene-d12	13.71	240	615423	20.00	ng	0.00
87) Perylene-d12	15.08	264	631356	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1092516	92.34	ng	0.00
7) Phenol-d6	6.24	99	1397011	97.28	ng	0.00
23) Nitrobenzene-d5	7.16	82	810698	70.23	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	401661	107.64	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1511800	72.57	ng	0.00
79) Terphenyl-d14	12.68	244	1811639	62.59	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	353	0.063	ng	# 27
6) Aniline	6.25	93	108	0.005	ng	# 1
8) 2-Chlorophenol	6.38	128	450	0.034	ng	# 1
9) Benzaldehyde	6.24	77	1963	0.210	ng	# 1
10) Phenol	6.25	94	6964	0.414	ng	# 90
11) bis(2-Chloroethyl)ether	6.37	93	1639	0.132	ng	# 1
15) Benzyl Alcohol	6.75	79	13966	1.336	ng	# 42
16) 2,2'-oxybis(1-Chloropropan	6.88	45	488	0.027	ng	# 67
17) 2-Methylphenol	7.02	107	108	0.010	ng	# 11
18) Hexachloroethane	7.17	117	118	0.022	ng	# 1
20) 3+4-Methylphenols	7.02	107	108	0.009	ng	# 7
22) Acetophenone	7.00	105	491	0.030	ng	# 58
24) Nitrobenzene	7.16	77	2484	0.195	ng	# 31
28) bis(2-Chloroethoxy)methane	7.88	93	110	0.007	ng	# 1
31) Naphthalene	7.90	128	7554	0.217	ng	# 94
33) 4-Chloroaniline	7.90	127	862	0.054	ng	# 19
35) Caprolactam	8.27	113	690	0.193	ng	# 1
36) 4-Chloro-3-methylphenol	8.35	107	119	0.011	ng	# 17
37) 2-Methylnaphthalene	8.59	142	2863	0.122	ng	# 97
38) 1-Methylnaphthalene	8.69	142	2196	0.098	ng	# 89
46) 1,1'-Biphenyl	9.05	154	3549	0.125	ng	# 97
47) 2-Chloronaphthalene	9.35	162	976	0.042	ng	# 1
48) 2-Nitroaniline	9.09	65	408	0.061	ng	# 1
49) Acenaphthylene	9.48	152	10841	0.303	ng	# 98
50) Dimethylphthalate	9.35	163	176017	6.761	ng	# 98
51) 2,6-Dinitrotoluene	9.35	165	1782	0.296	ng	# 28
52) Acenaphthene	9.65	154	3685	0.165	ng	# 94
55) Dibenzofuran	9.82	168	4340	0.135	ng	# 95
56) 4-Nitrophenol	9.82	139	1653	0.281	ng	# 20
60) Diethylphthalate	10.05	149	3307	0.126	ng	# 92
63) Azobenzene	10.34	77	1181	0.048	ng	# 1
66) n-Nitrosodiphenylamine	10.29	169	798	0.036	ng	# 24
71) Phenanthrene	11.12	178	65968	1.703	ng	# 97
72) Anthracene	11.17	178	19715	0.504	ng	# 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

73) Carbazole	11.32	167	6470	0.185	ng	96
74) Di-n-butylphthalate	11.67	149	13108	0.325	ng #	96
75) Fluoranthene	12.29	202	167481	4.334	ng	97
77) Benzidine	12.68	184	22892	0.838	ng #	91
78) Pyrene	12.52	202	162191	3.429	ng	97
80) Butylbenzylphthalate	13.15	149	3012	0.144	ng #	79
81) Benzo(a)anthracene	13.70	228	92714	2.100	ng	94
82) 3,3'-Dichlorobenzidine	13.64	252	1477	0.093	ng #	19
83) Chrysene	13.74	228	84806	2.097	ng	96
84) Bis(2-ethylhexyl)phthalate	13.72	149	9566	0.350	ng #	95
85) Di-n-octyl phthalate	14.34	149	418	0.009	ng #	1
86) Indeno(1,2,3-cd)pyrene	16.34	276	42178	0.881	ng	92
88) Benzo(b)fluoranthene	14.70	252	111098m	2.820	ng	
90) Benzo(a)pyrene	15.02	252	77870	2.193	ng #	96
91) Dibenzo(a,h)anthracene	16.35	278	11018	0.332	ng #	72
92) Benzo(g,h,i)perylene	16.71	276	36085	1.076	ng	96

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

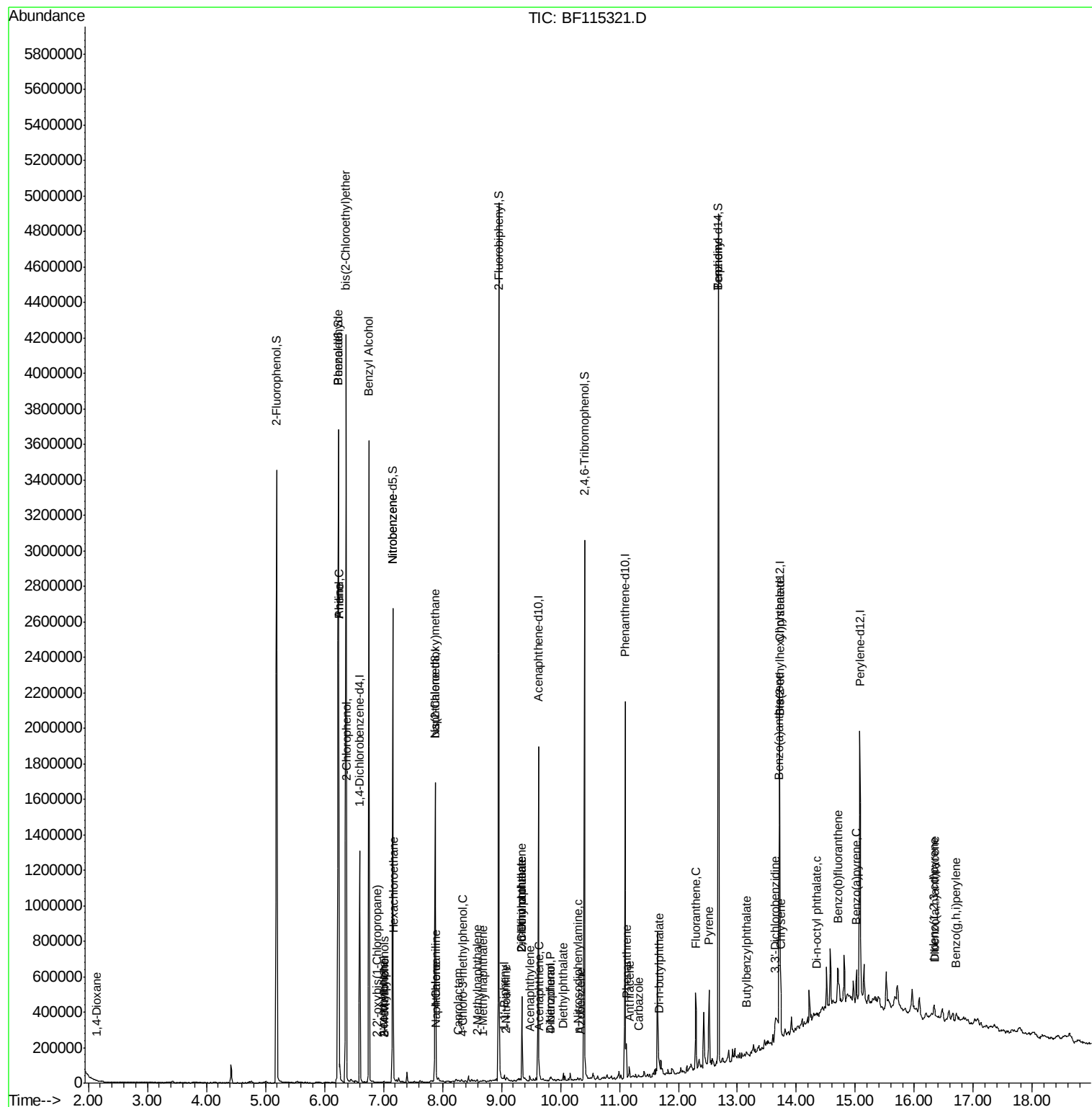
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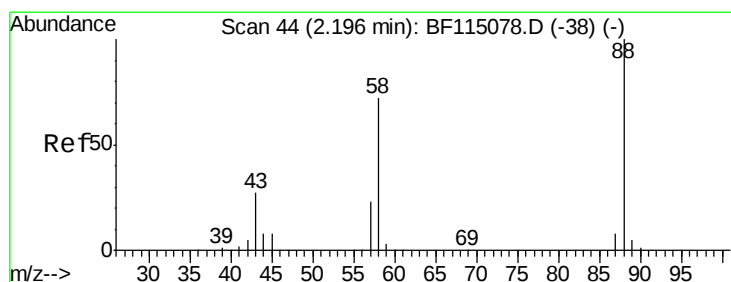
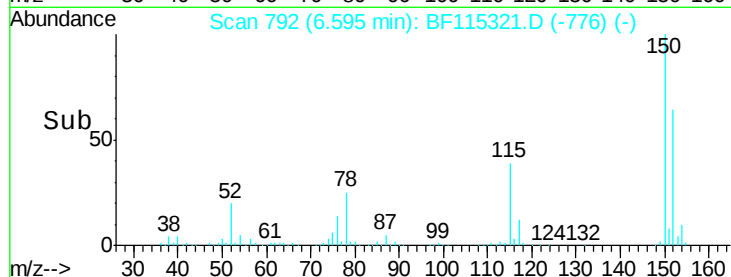
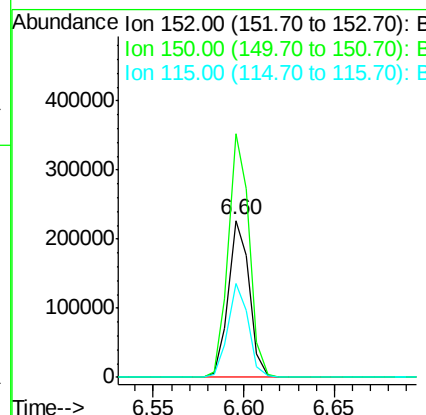
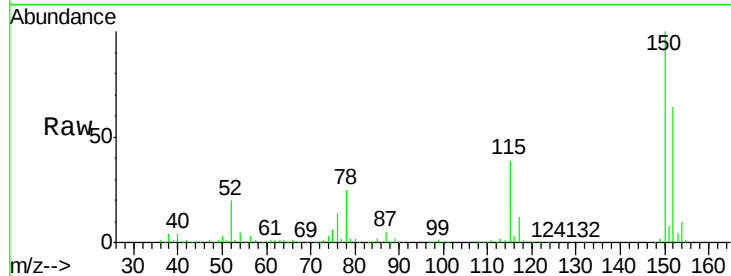
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.60 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.2	186.2
115	60.2	46.1	69.1

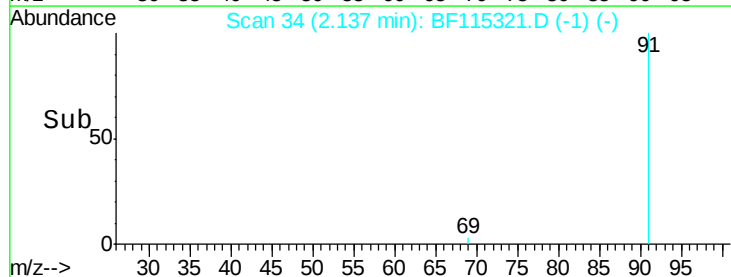
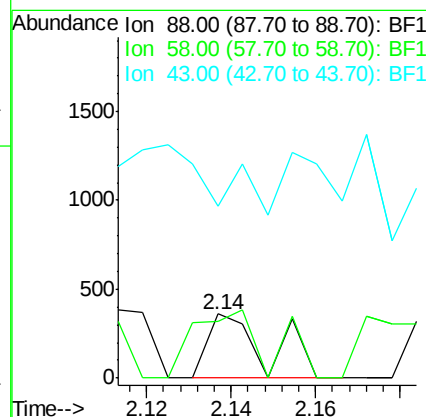
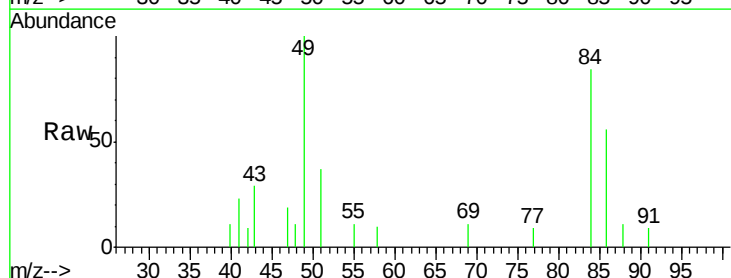
Manual Integrations
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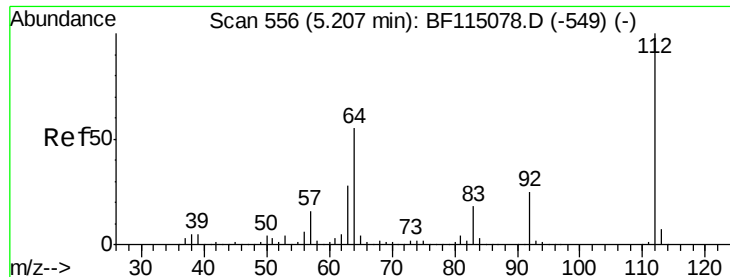
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#2
 1,4-Dioxane
 Concen: 0.063 ng
 RT: 2.14 min Scan# 34
 Delta R.T. -0.02 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
88	100		
58	136.3	56.1	84.1#
43	0.0	21.3	31.9#





#5

2-Fluorophenol

Concen: 92.339 ng

RT: 5.19 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

Tgt Ion: 112 Resp: 1092516

Ion Ratio Lower Upper

112 100

64 54.3 43.8 65.6

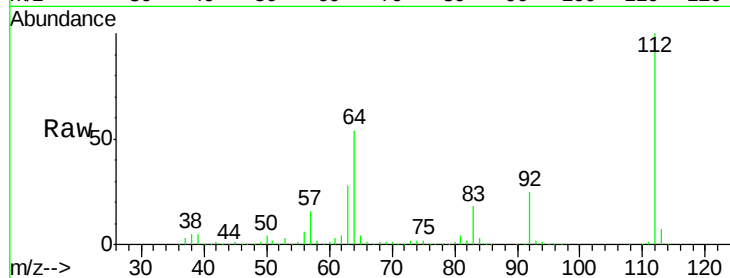
63 27.6 22.2 33.4

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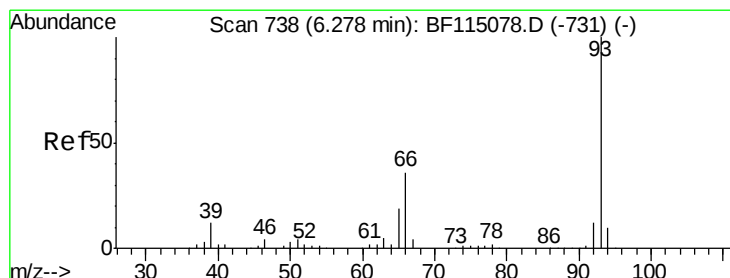
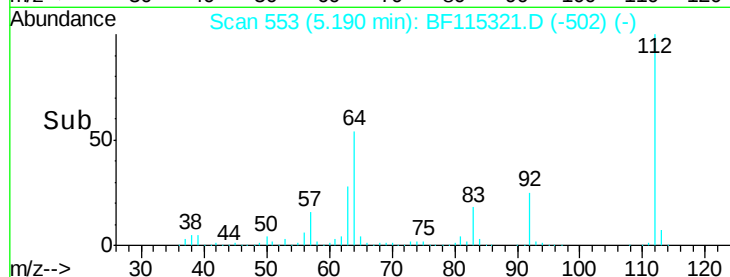
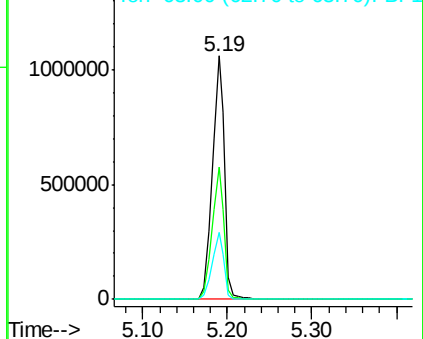
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.005 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

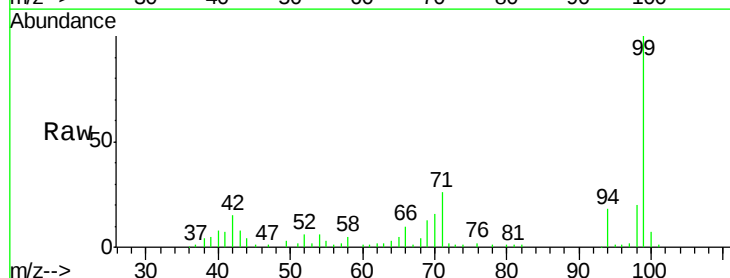
Tgt Ion: 93 Resp: 108

Ion Ratio Lower Upper

93 100

66 2036.6 30.0 45.0#

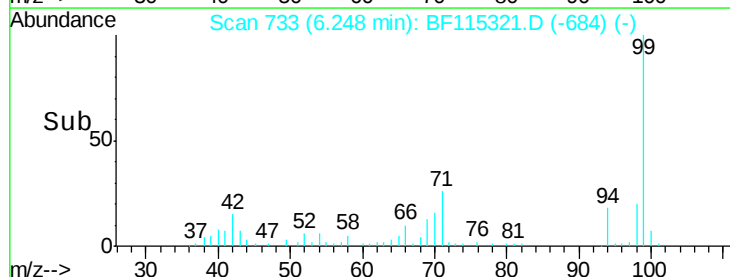
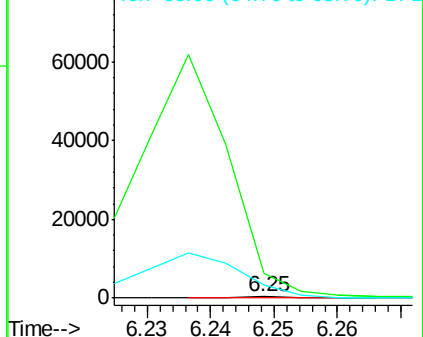
65 1125.2 15.6 23.4#

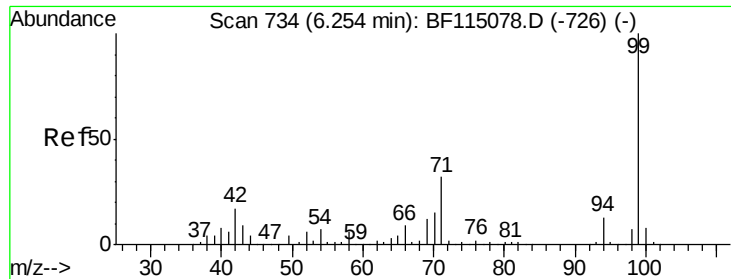


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 97.281 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B

Tgt Ion: 99 Resp: 1397011

Ion Ratio Lower Upper

99 100

42 16.6 13.6 20.4

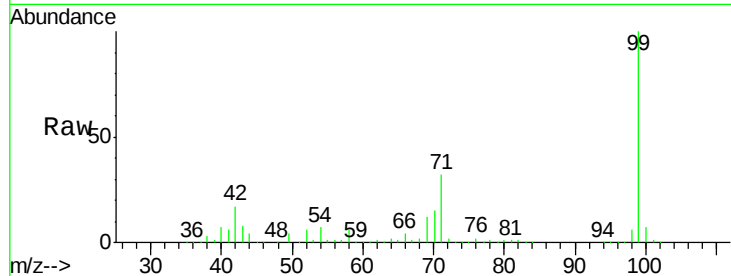
71 32.4 25.5 38.3

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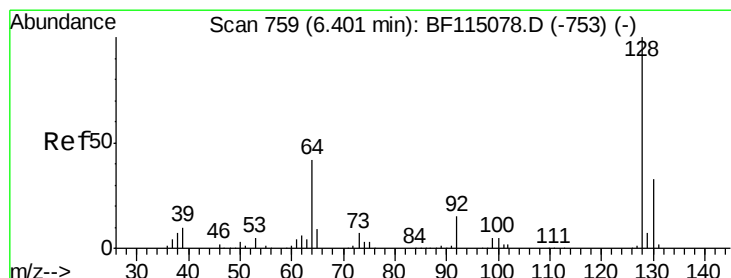
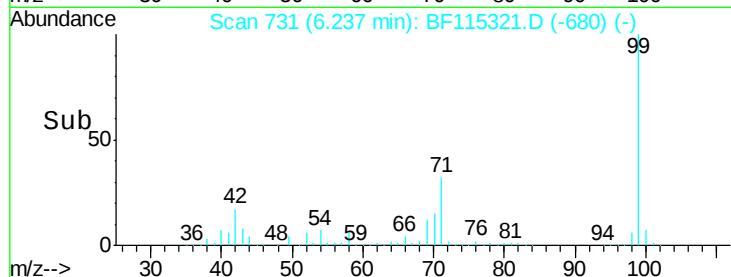
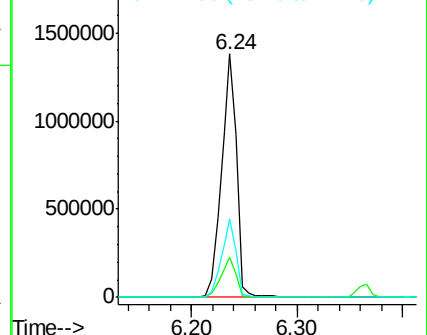
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.034 ng

RT: 6.38 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

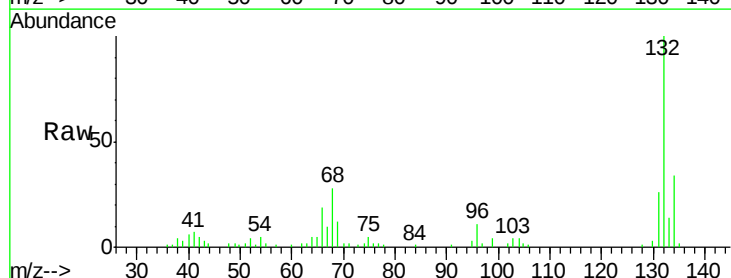
Tgt Ion: 128 Resp: 450

Ion Ratio Lower Upper

128 100

130 182.5 12.9 52.9#

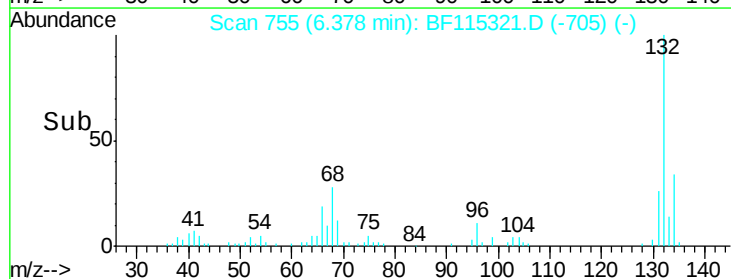
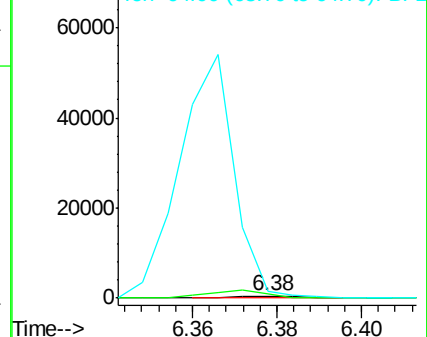
64 316.6 22.9 62.9#

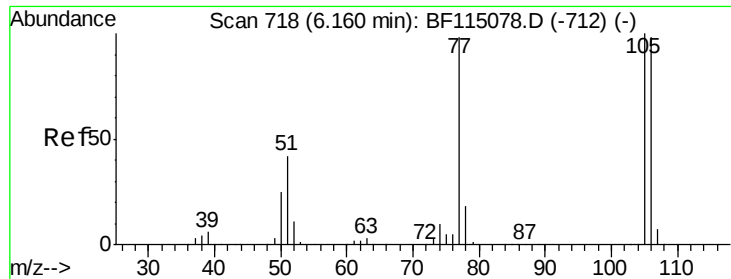


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





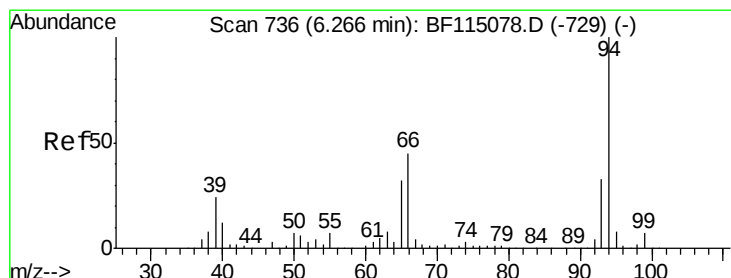
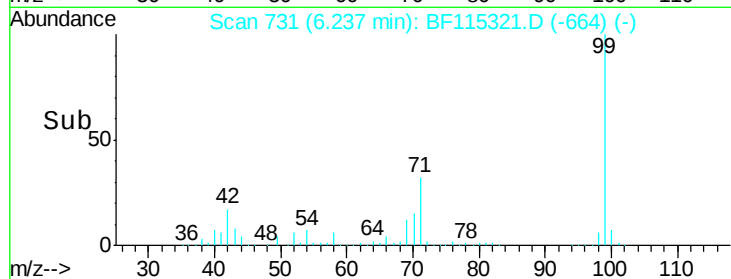
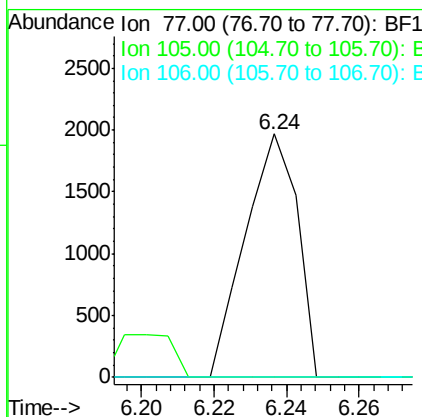
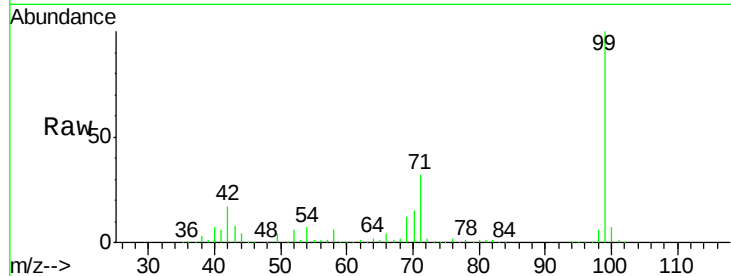
#9
Benzaldehyde
Concen: 0.210 ng
RT: 6.24 min Scan# 731
Delta R.T. 0.09 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.5	121.5#
106	0.0	79.7	119.7#

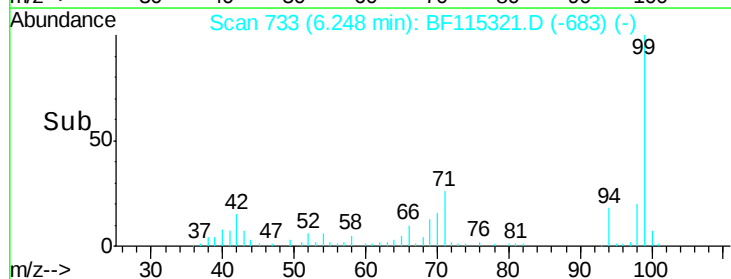
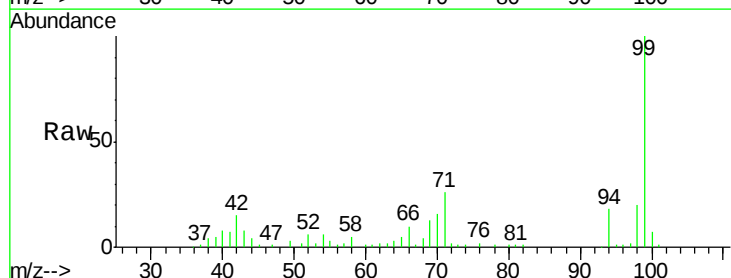
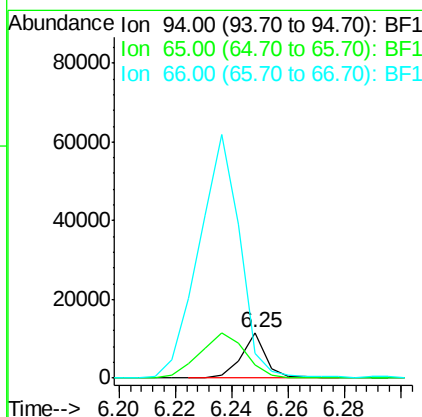
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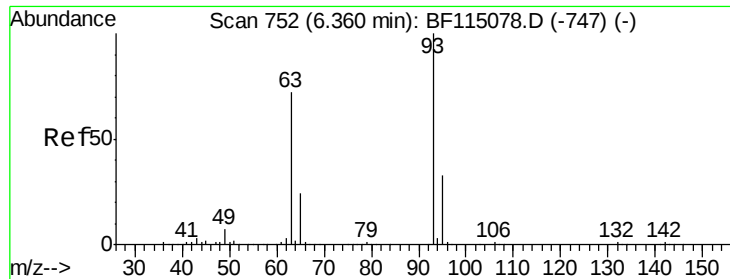
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#10
Phenol
Concen: 0.414 ng
RT: 6.25 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.0	11.9	51.9
66	54.3	25.2	65.2





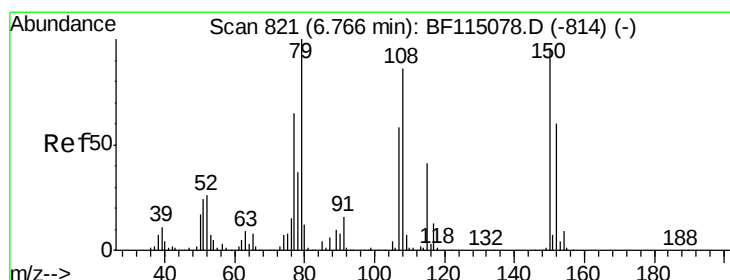
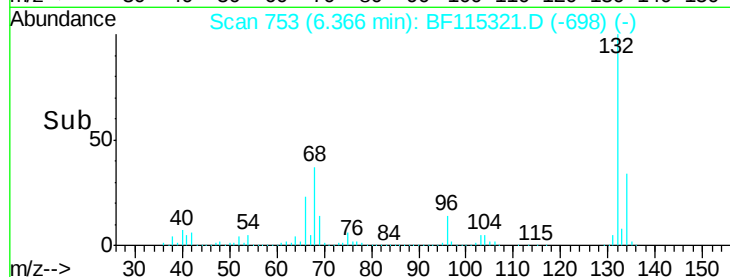
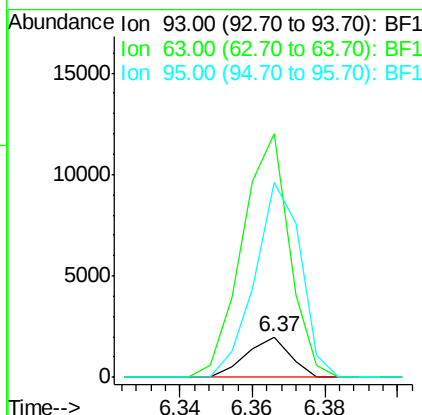
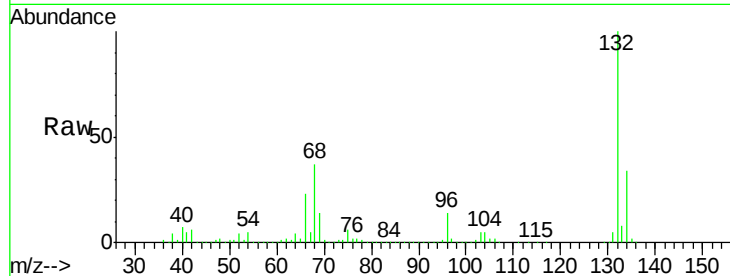
#11
bis(2-Chloroethyl)ether
Concen: 0.132 ng
RT: 6.37 min Scan# 753
Delta R.T. 0.02 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
93	100		
63	604.7	51.5	91.5#
95	483.5	13.4	53.4#

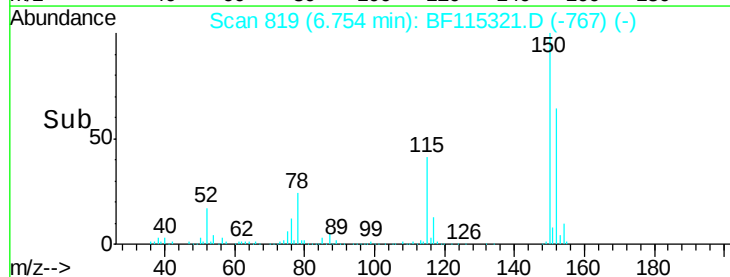
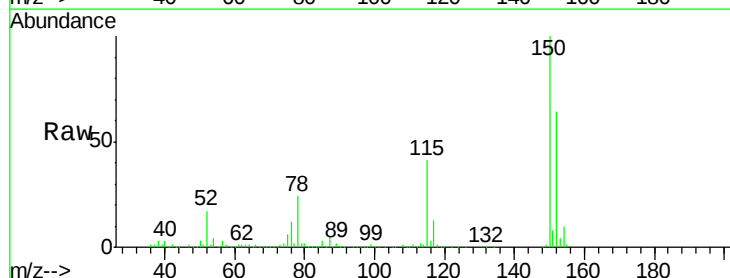
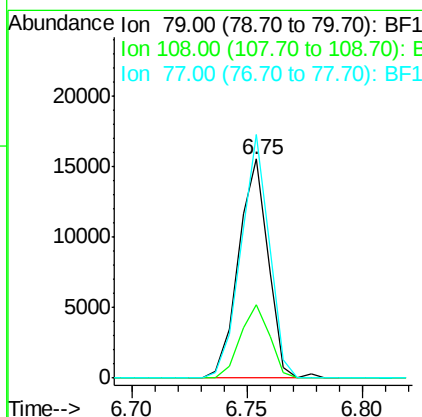
Manual Integrations
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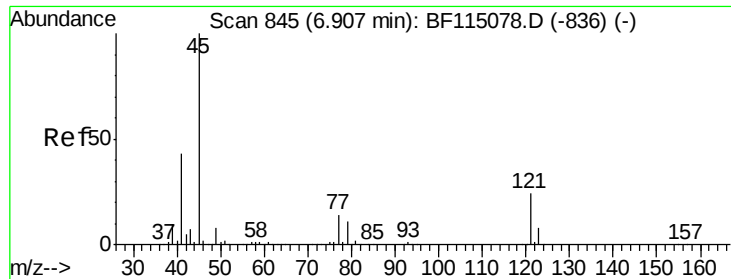
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#15
Benzyl Alcohol
Concen: 1.336 ng
RT: 6.75 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
79	100		
108	33.7	68.7	103.1#
77	111.1	51.7	77.5#





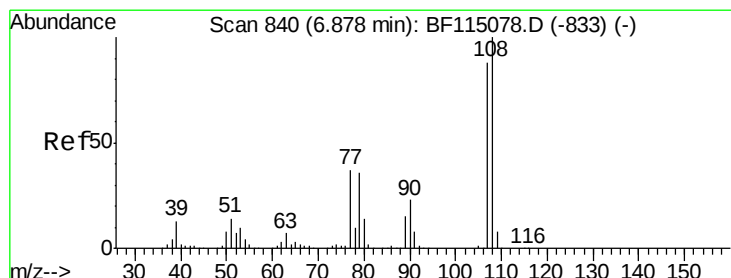
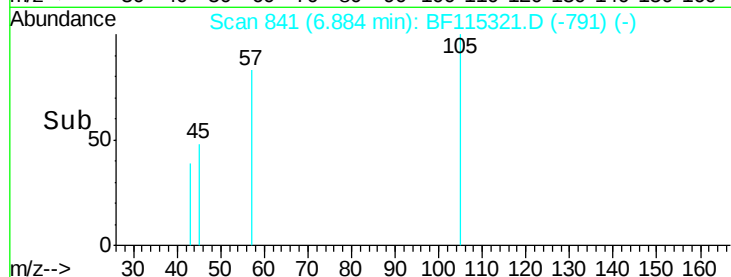
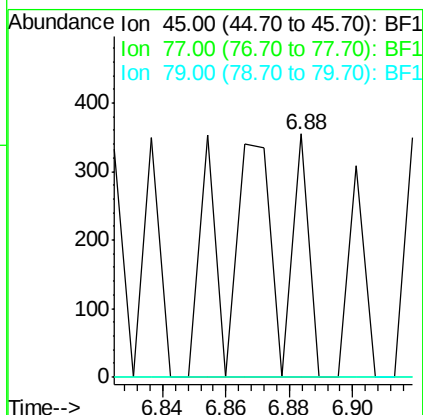
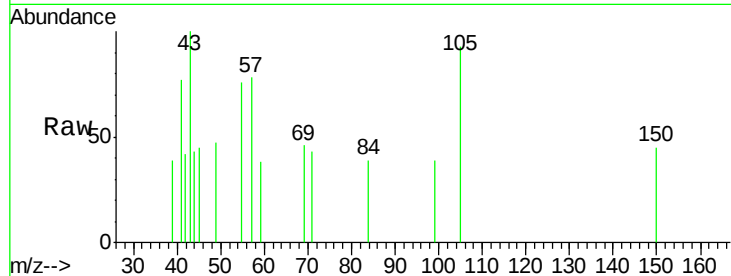
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.027 ng
RT: 6.88 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	34.6
79	0.0	0.0	31.2

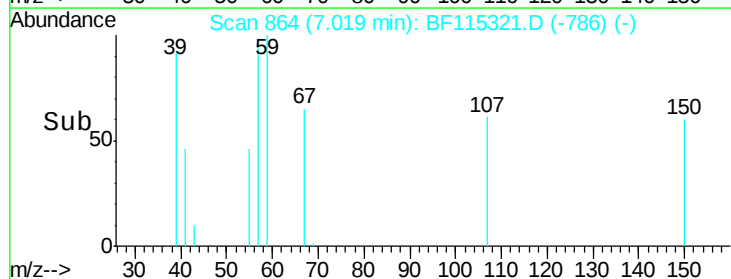
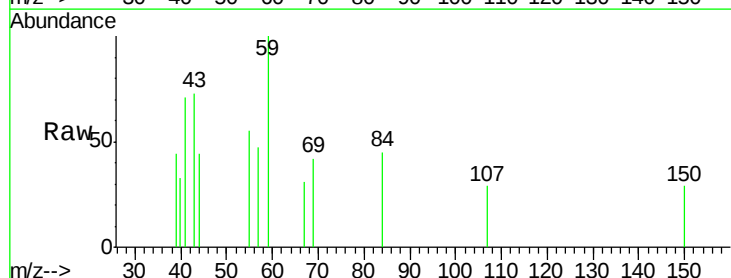
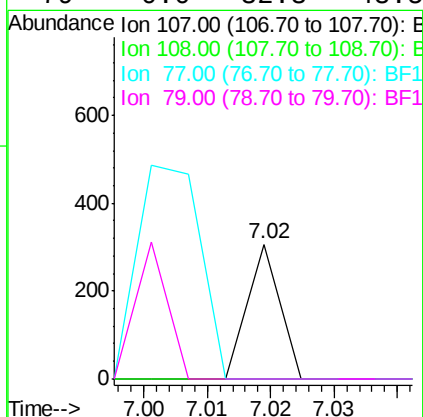
Manual Integrations
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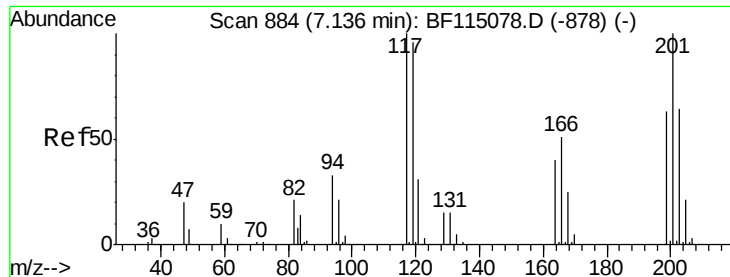
mohammad
7/1/2019 5:59:07 PM



#17
2-Methylphenol
Concen: 0.010 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.16 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	0.0	90.9	136.3#
77	0.0	33.4	50.2#
79	0.0	32.3	48.5#





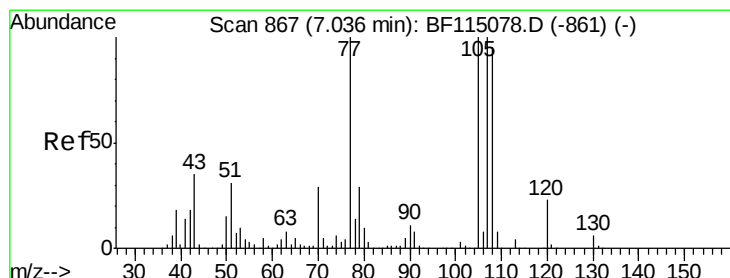
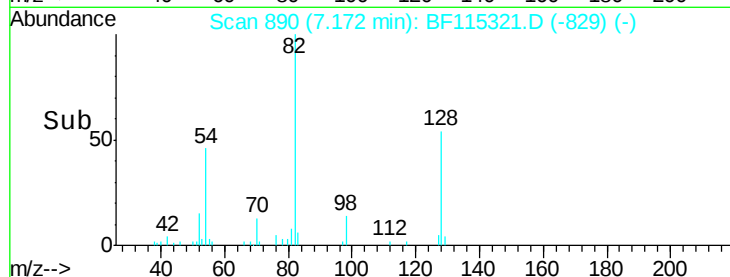
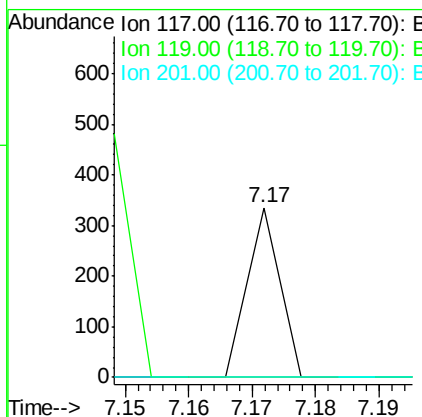
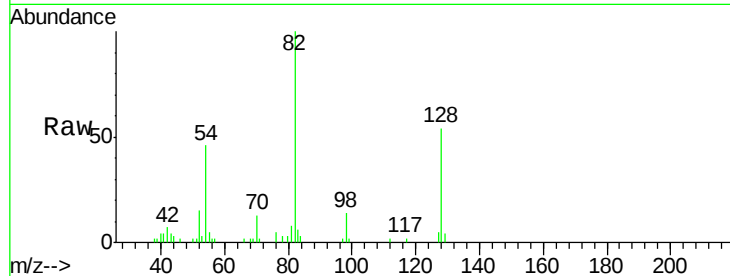
#18
Hexachloroethane
Concen: 0.022 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.06 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.6	114.8#
201	0.0	80.2	120.2#

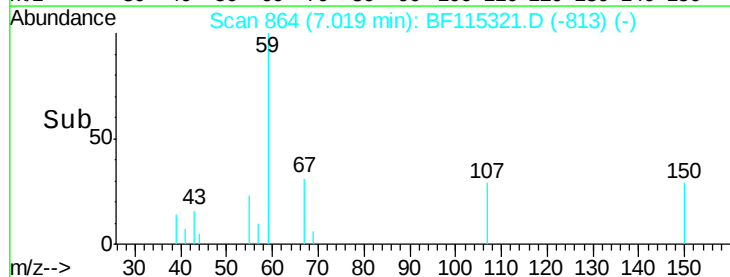
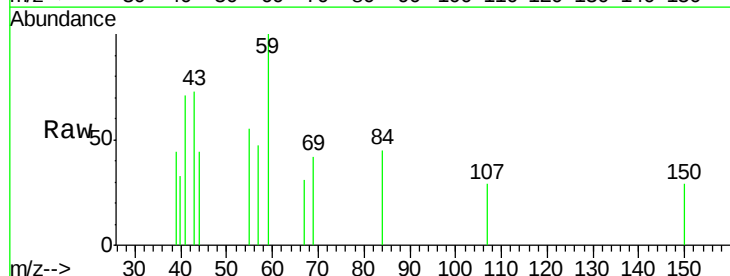
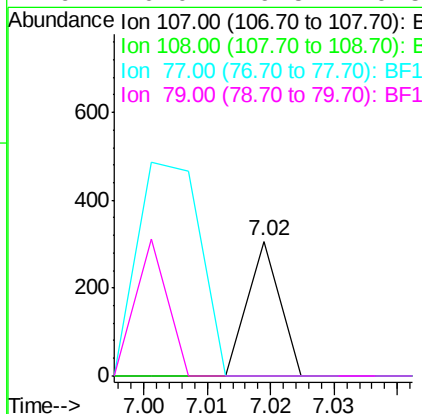
Manual Integrations
APPROVED

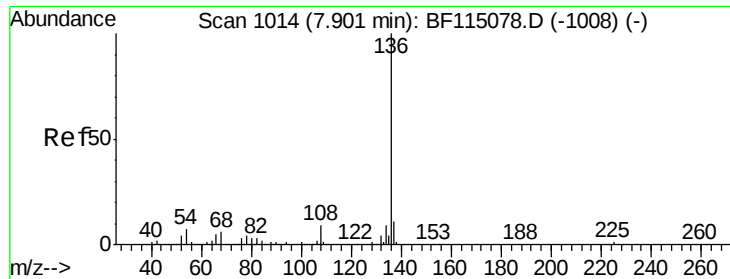
mohammad
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#20
3+4-Methylphenols
Concen: 0.009 ng
RT: 7.02 min Scan# 864
Delta R.T. 0.00 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	0.0	75.5	115.5#
77	0.0	80.2	120.2#
79	0.0	9.5	49.5#





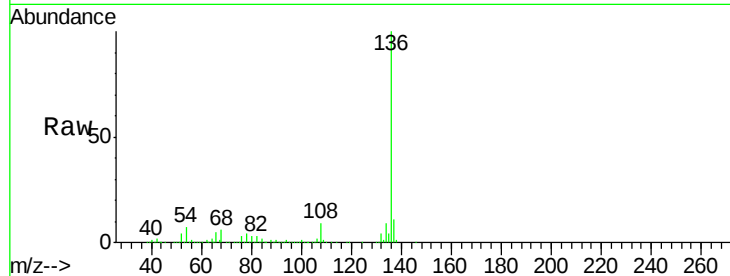
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

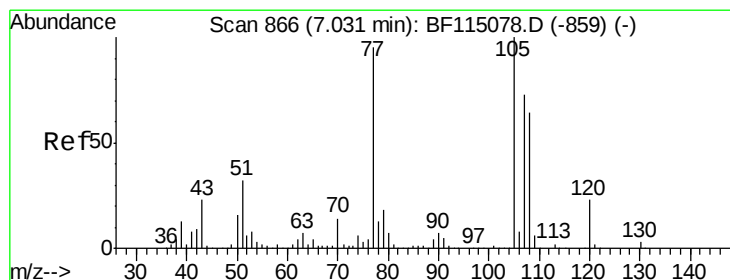
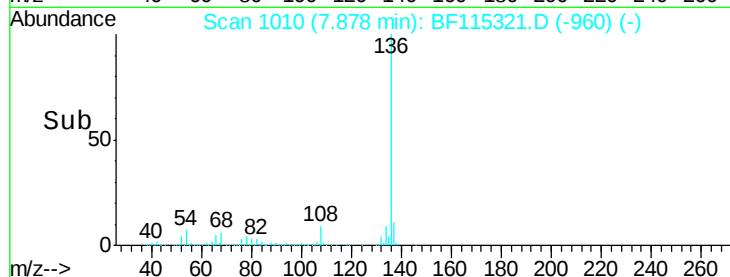
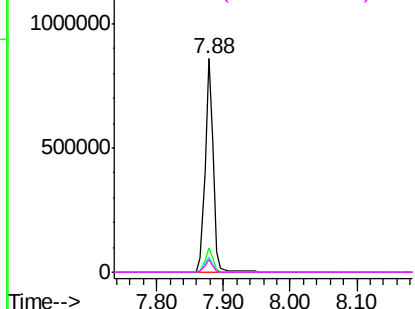
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	710110		
137	11.2	8.9	13.3	
54	7.2	5.6	8.4	
68	6.1	4.8	7.2	

Manual Integrations
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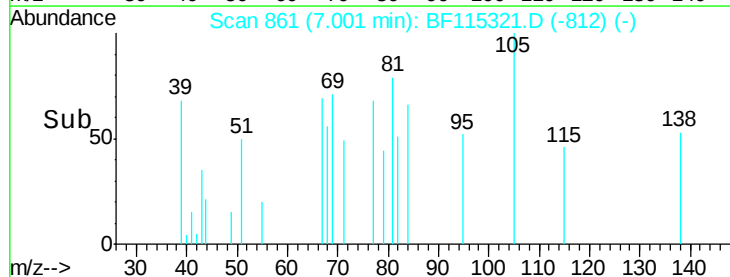
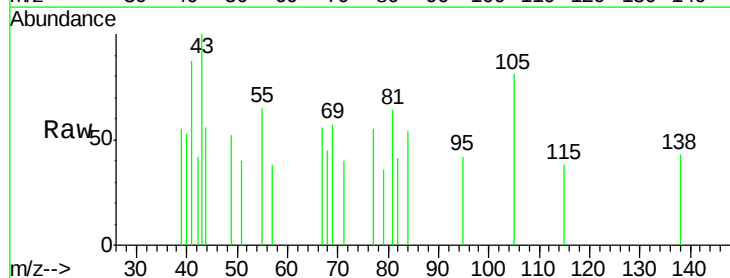
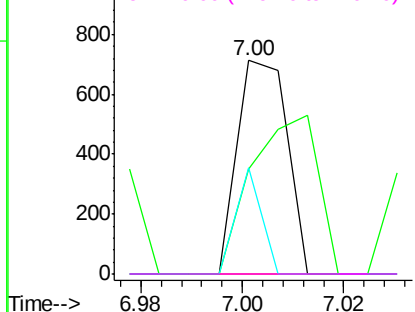
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

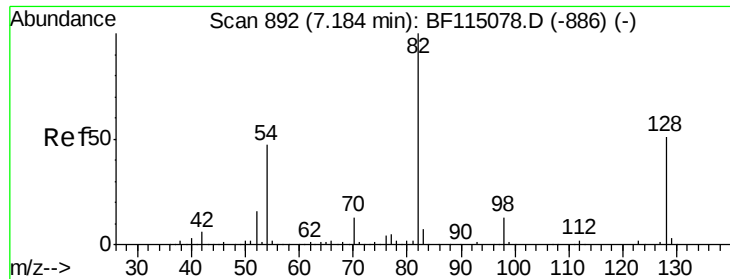


#22
Acetophenone
Concen: 0.030 ng
RT: 7.00 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	491		
71	49.1	1.9	2.9#	
51	49.6	25.8	38.8#	
120	0.0	18.5	27.7#	

Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF1
Ion 51.00 (50.70 to 51.70): BF1
Ion 120.00 (119.70 to 120.70): E





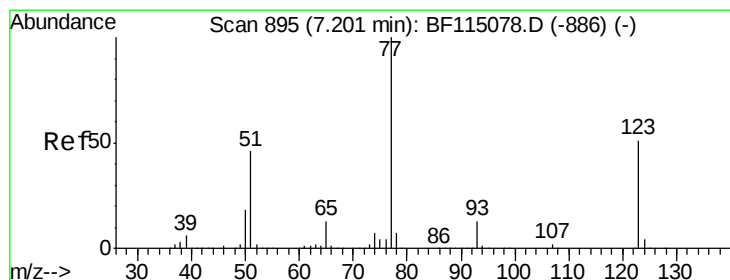
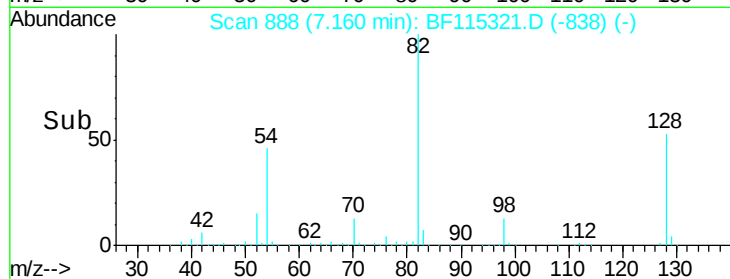
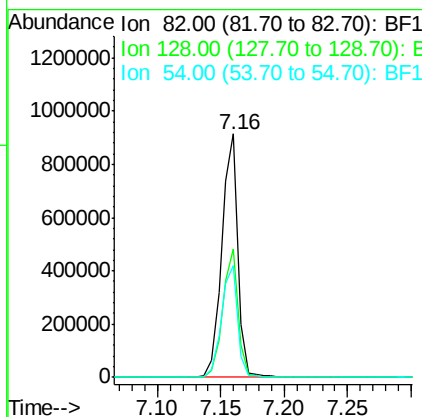
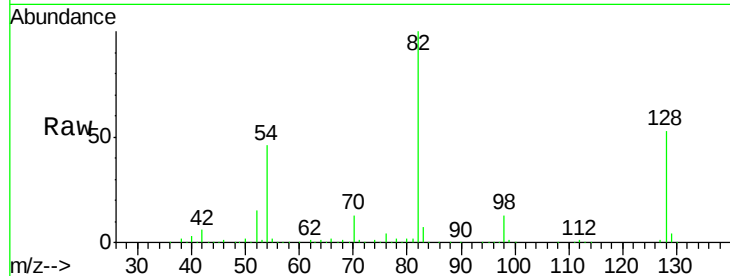
#23
Nitrobenzene-d5
Concen: 70.229 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.6	40.4	60.6
54	46.0	37.5	56.3

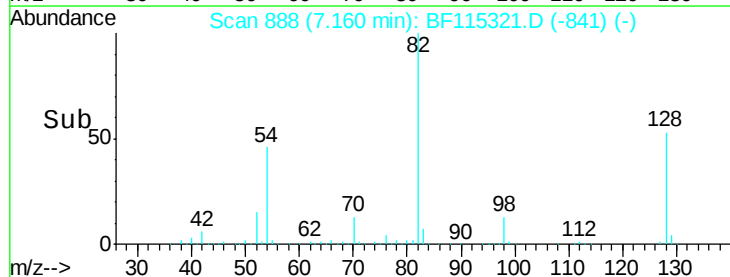
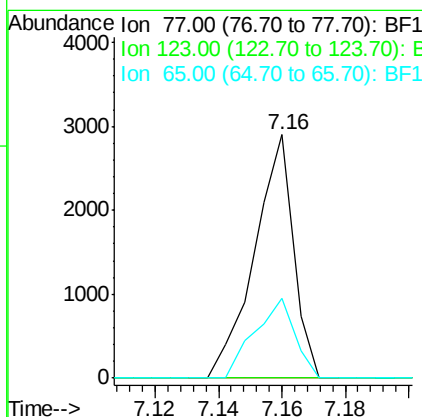
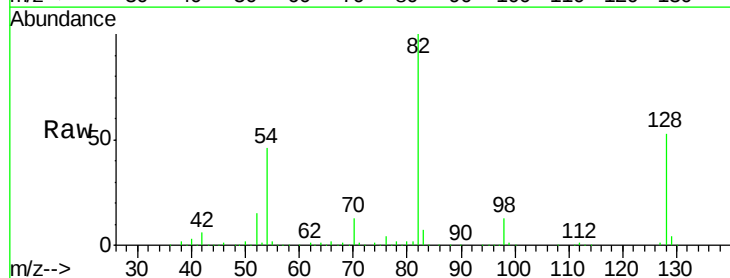
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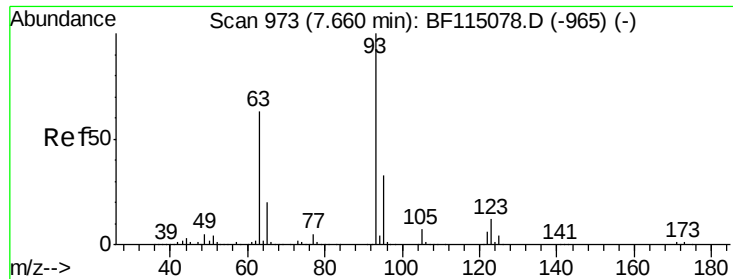
mohammad
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#24
Nitrobenzene
Concen: 0.195 ng
RT: 7.16 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	41.0	61.6#
65	32.7	10.5	15.7#





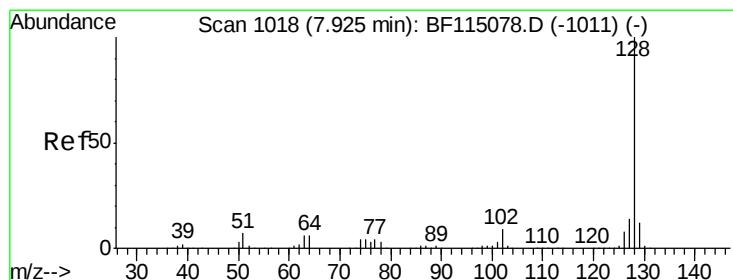
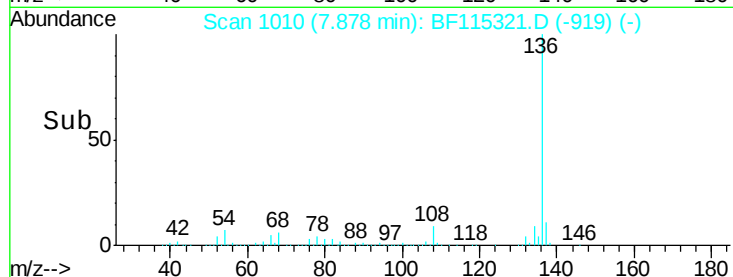
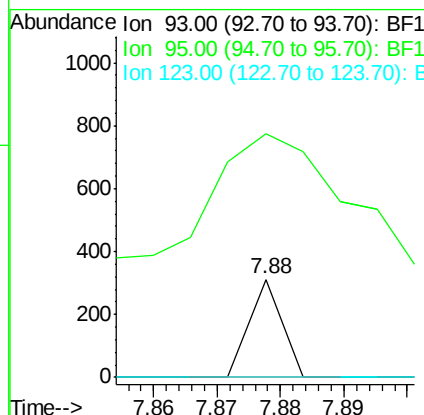
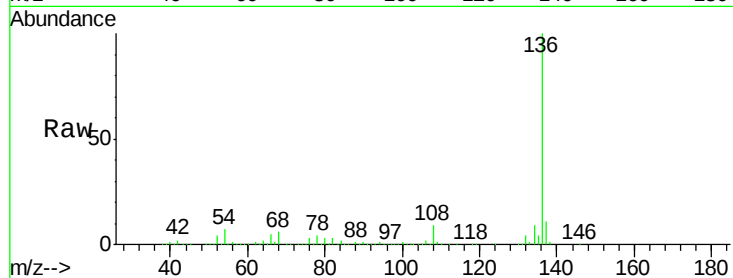
#28
bis(2-Chloroethoxy)methane
Concen: 0.007 ng
RT: 7.88 min Scan# 1010
Delta R.T. 0.24 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion: 93 Resp: 110
Ion Ratio Lower Upper
93 100
95 248.1 26.2 39.4#
123 0.0 9.7 14.5#

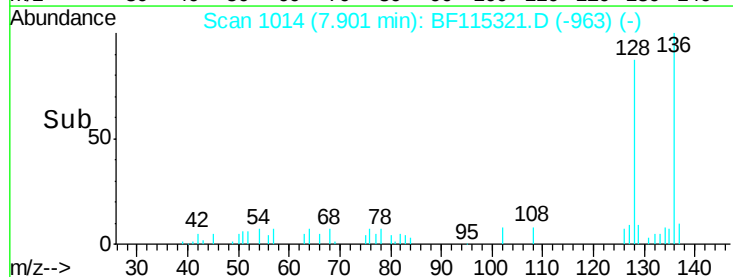
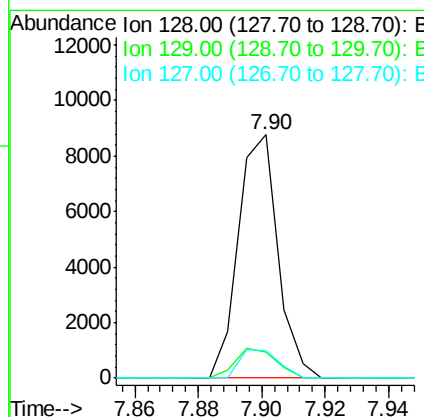
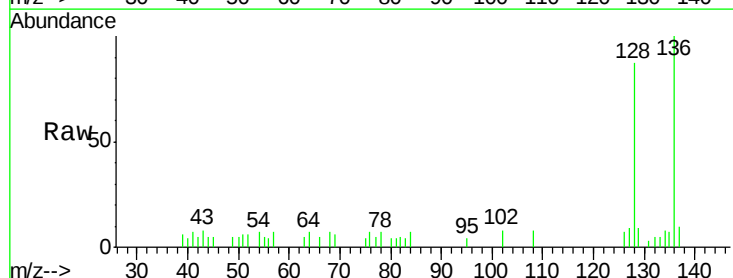
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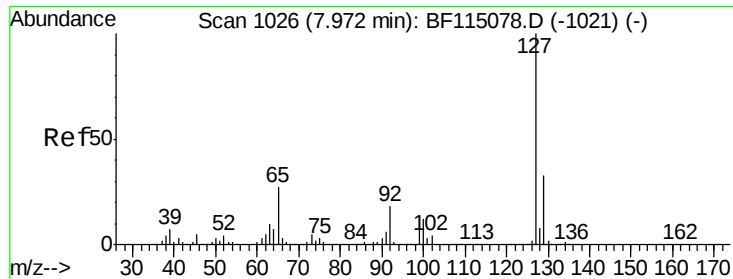
mohammad
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#31
Naphthalene
Concen: 0.217 ng
RT: 7.90 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion: 128 Resp: 7554
Ion Ratio Lower Upper
128 100
129 10.4 9.6 14.4
127 11.0 11.4 17.0#





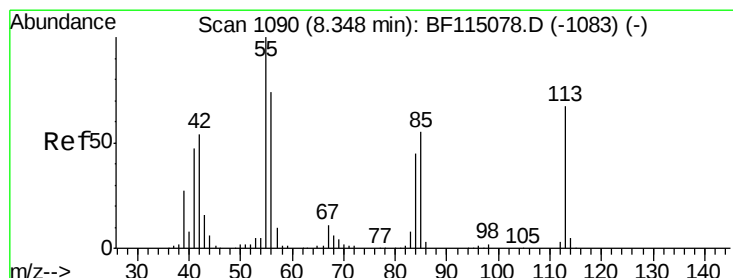
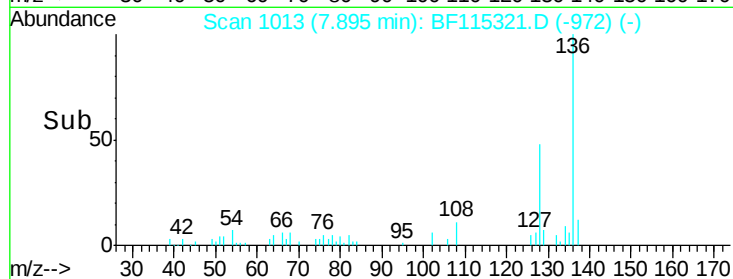
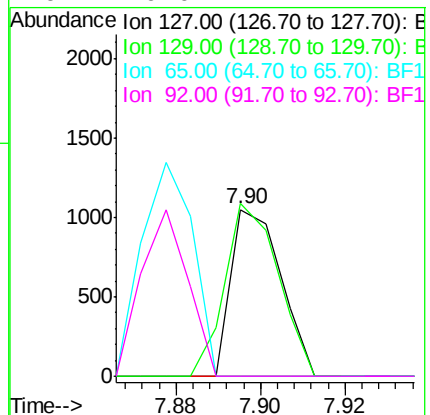
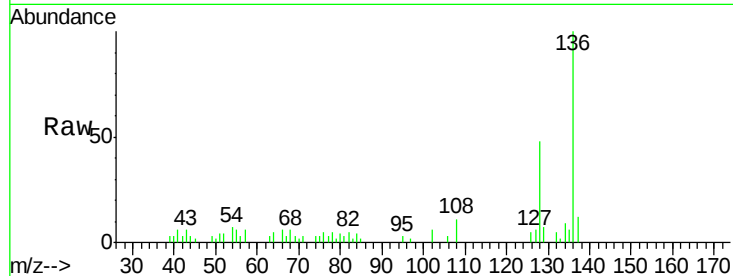
#33
4-Chloroaniline
Concen: 0.054 ng
RT: 7.90 min Scan# 1013
Delta R.T. -0.06 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	862		
129	103.5	26.1	39.1#	
65	0.0	21.4	32.2#	
92	0.0	14.1	21.1#	

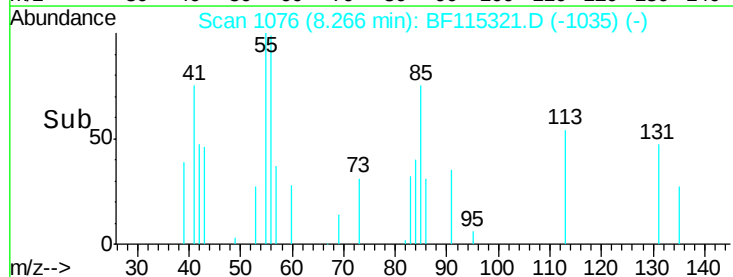
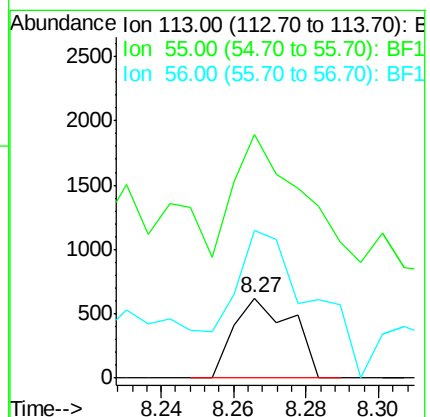
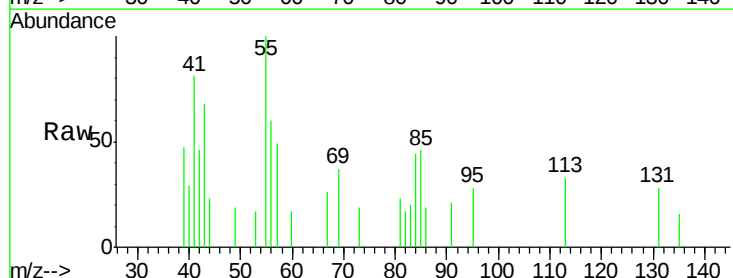
Manual Integrations
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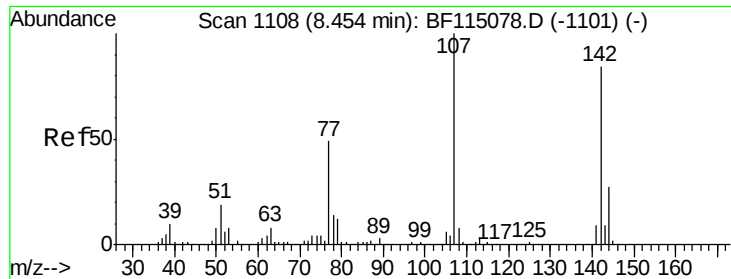
mohammad
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#35
Caprolactam
Concen: 0.193 ng
RT: 8.27 min Scan# 1076
Delta R.T. -0.06 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	690		
55	304.3	130.2	170.2#	
56	183.9	91.6	131.6#	





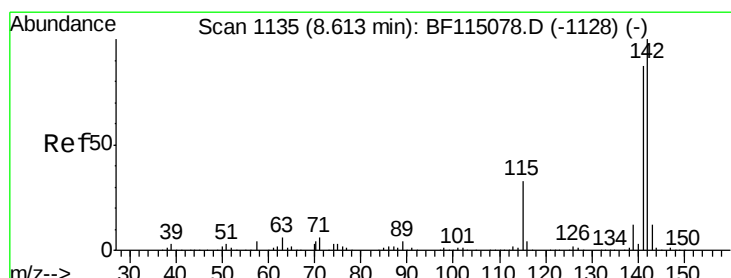
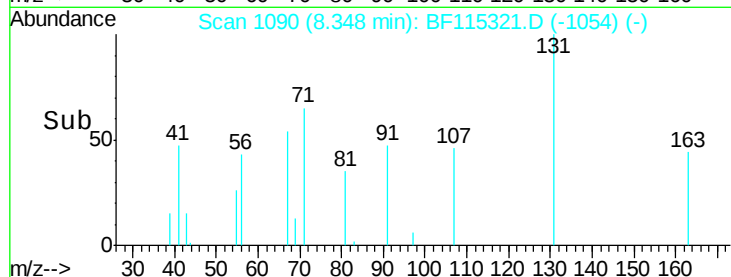
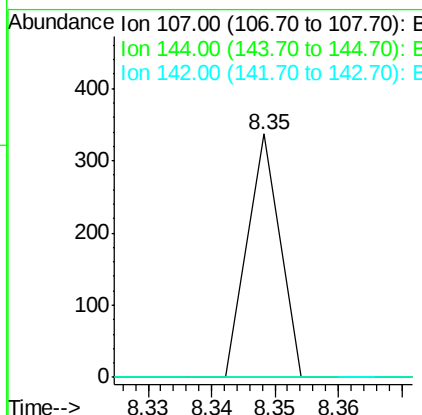
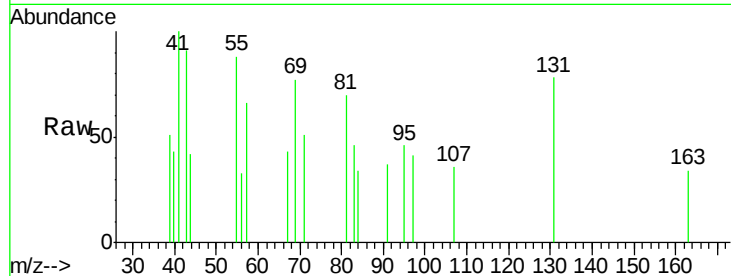
#36
 4-Chloro-3-methylphenol
 Concen: 0.011 ng
 RT: 8.35 min Scan# 1090
 Delta R.T. -0.09 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	21.7	32.5#
142	0.0	67.0	100.4#

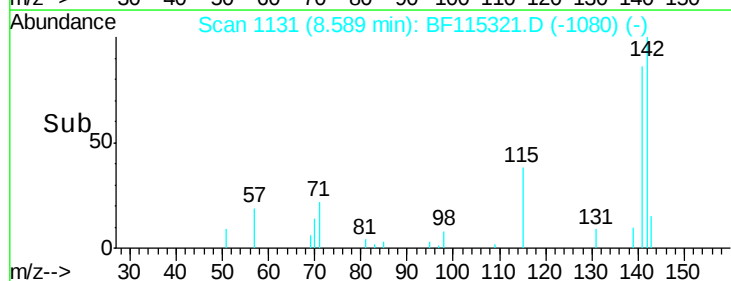
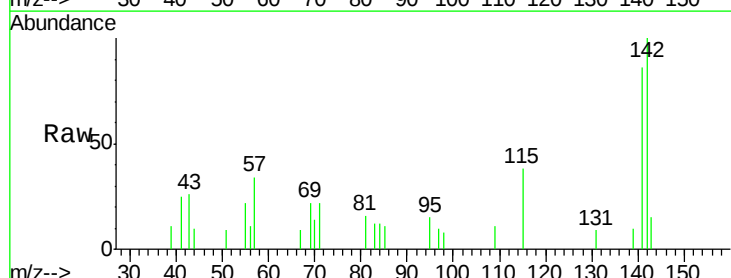
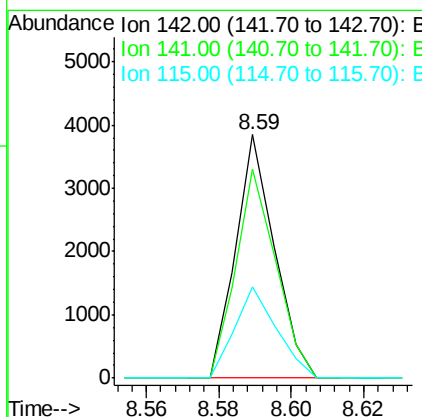
Manual Integrations
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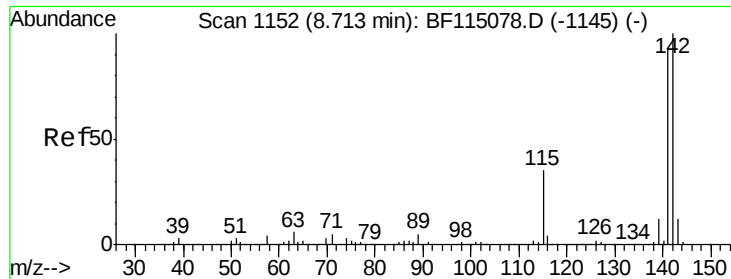
mohammad
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#37
 2-Methylnaphthalene
 Concen: 0.122 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.7	69.8	104.6
115	37.5	26.7	40.1





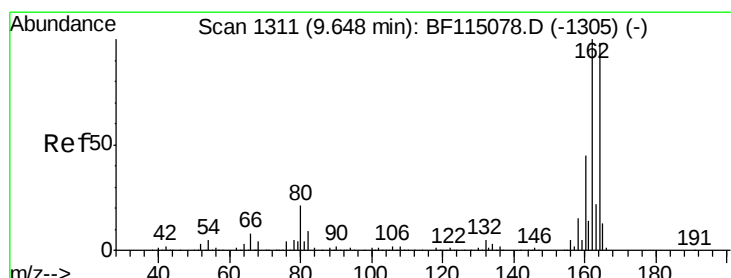
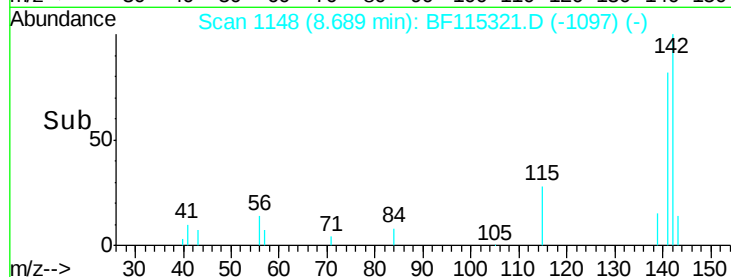
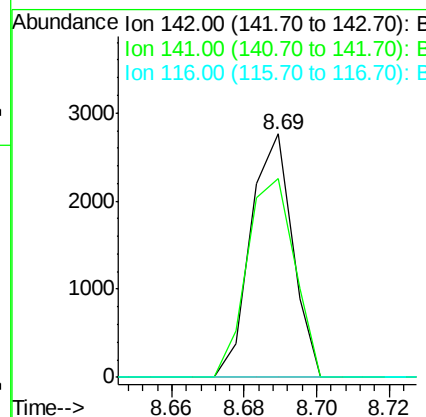
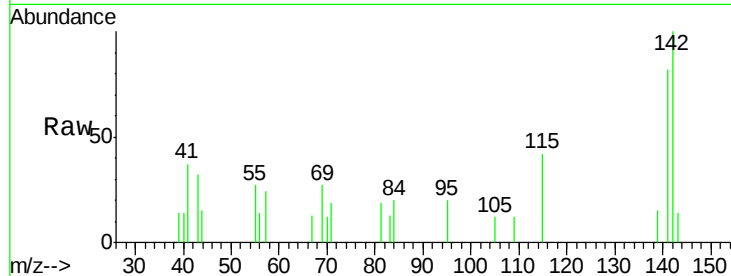
#38
1-Methylnaphthalene
Concen: 0.098 ng
RT: 8.69 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.9	73.8	110.8
116	0.0	2.8	4.2

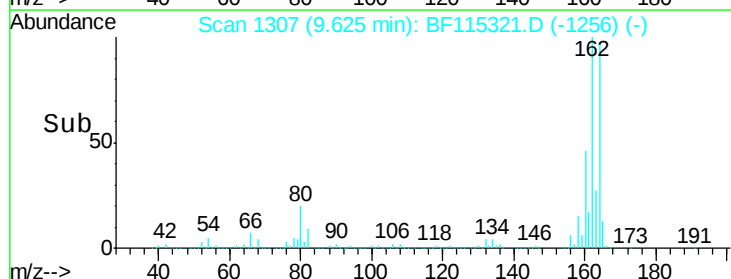
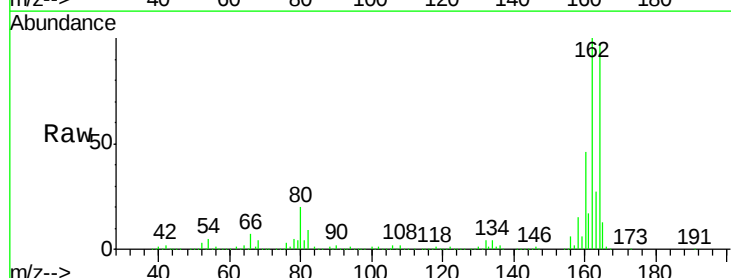
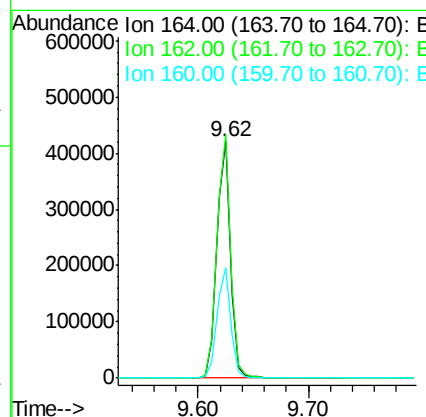
Manual Integrations
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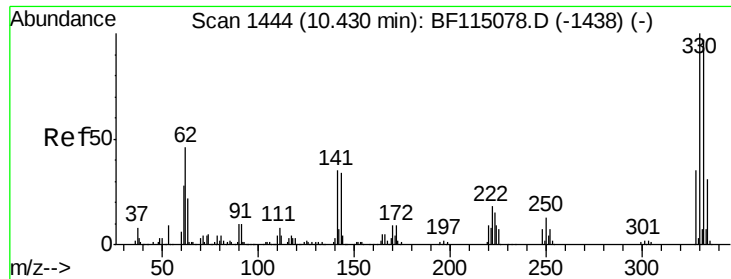
mohammad
7/1/2019 5:59:07 PM



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.7	122.5
160	46.7	37.0	55.4





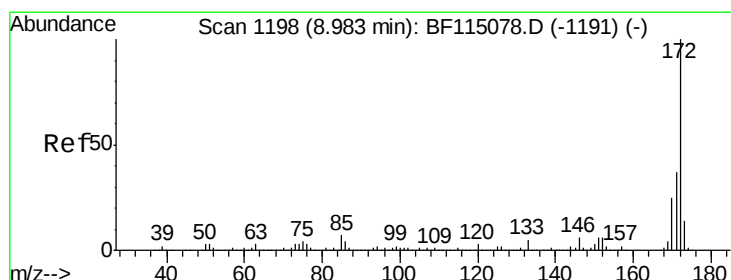
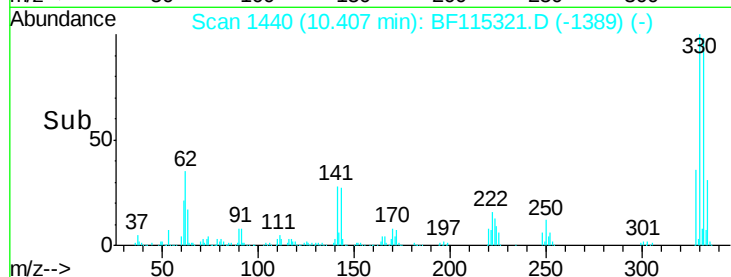
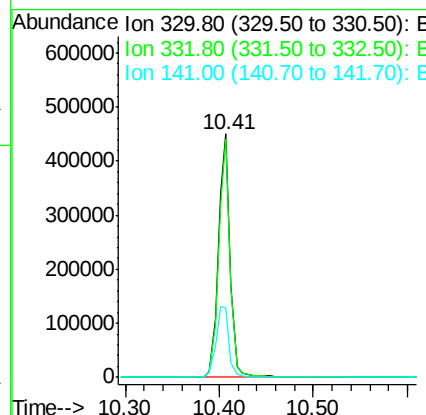
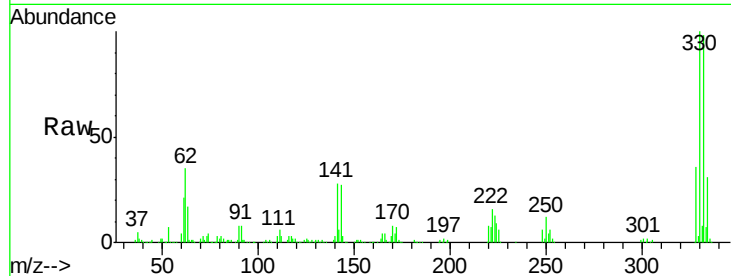
#42
 2,4,6-Tribromophenol
 Concen: 107.639 ng
 RT: 10.41 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	401661		
332	95.4	77.3	115.9	
141	32.9	28.2	42.2	

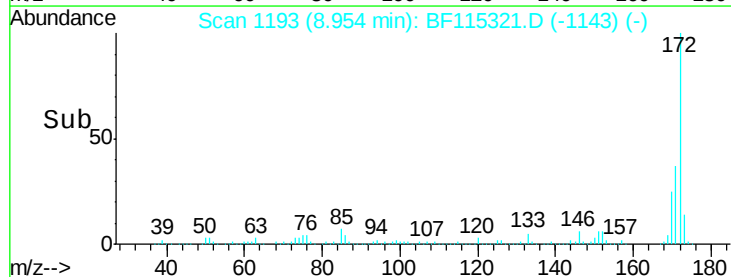
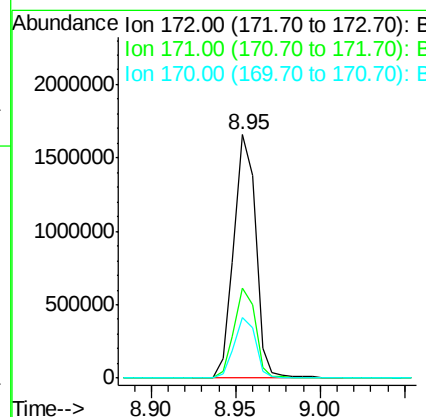
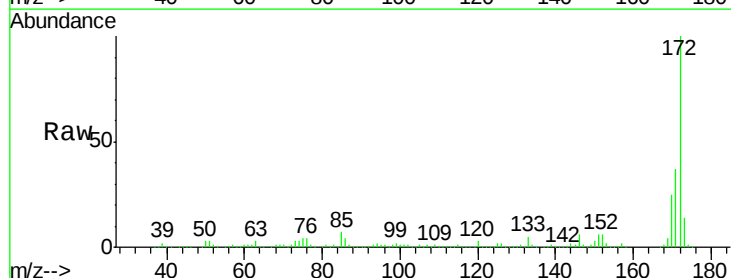
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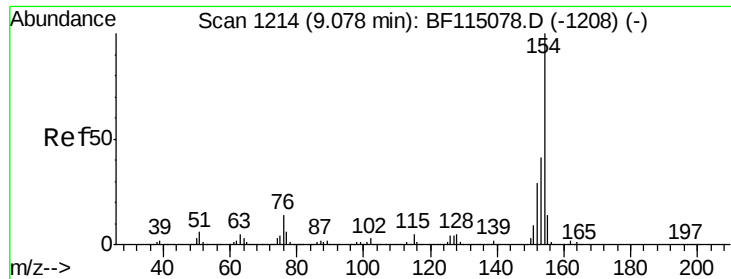
mohammad
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#45
 2-Fluorobiphenyl
 Concen: 72.571 ng
 RT: 8.95 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1511800		
171	36.9	29.8	44.6	
170	25.0	20.3	30.5	





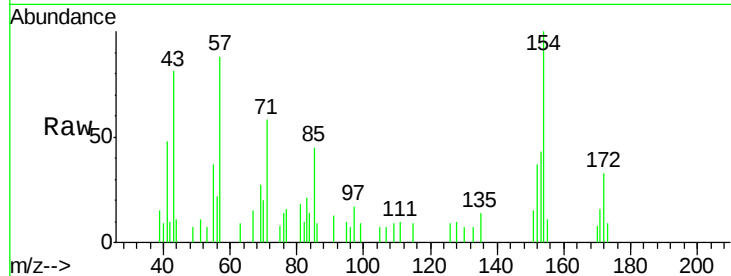
#46
 1,1'-Biphenyl
 Concen: 0.125 ng
 RT: 9.05 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-044-B

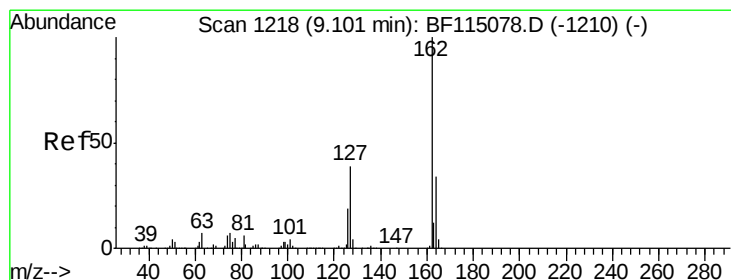
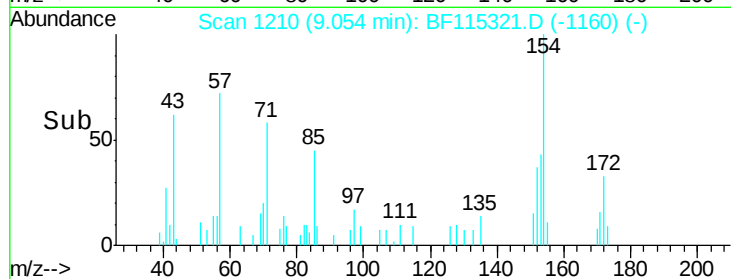
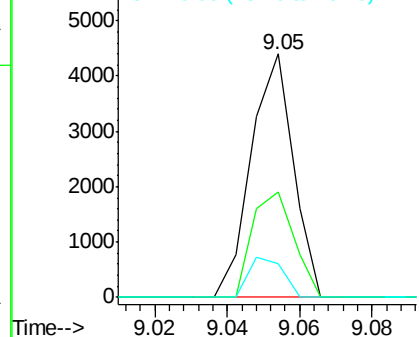
Tgt Ion:	154	Resp:	3549
Ion Ratio	Lower	Upper	
154	100		
153	43.1	20.9	60.9
76	13.6	0.0	34.1

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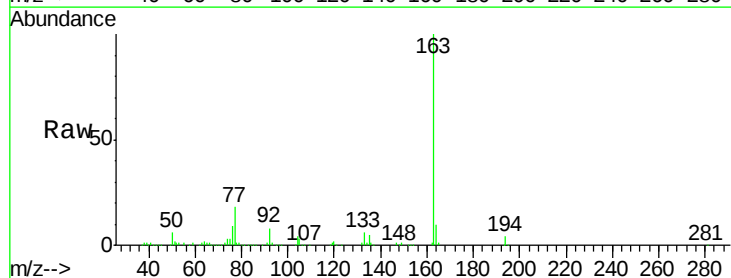


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

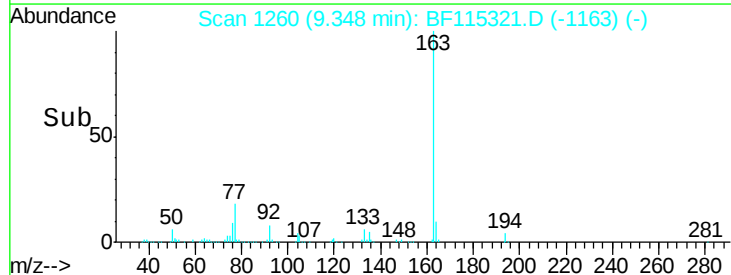
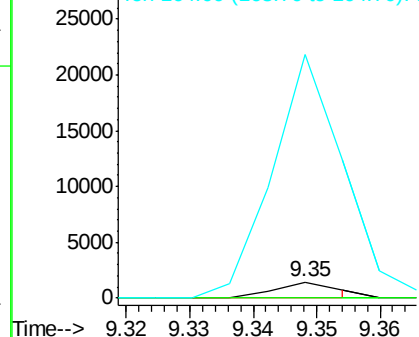


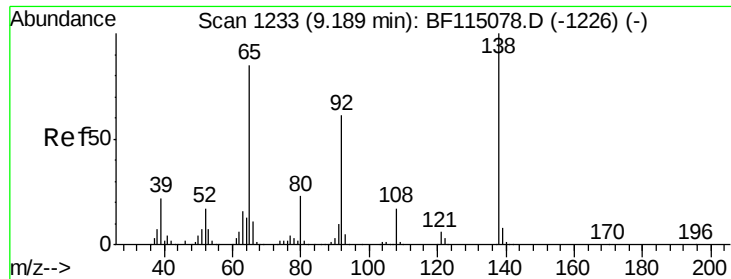
#47
 2-Chloronaphthalene
 Concen: 0.042 ng
 RT: 9.35 min Scan# 1260
 Delta R.T. 0.27 min
 Lab File: BF115321.D
 Acq: 29 Jun 2019 14:27

Tgt Ion:	162	Resp:	976
Ion Ratio	Lower	Upper	
162	100		
127	0.0	30.8	46.2#
164	1515.0	27.0	40.4#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





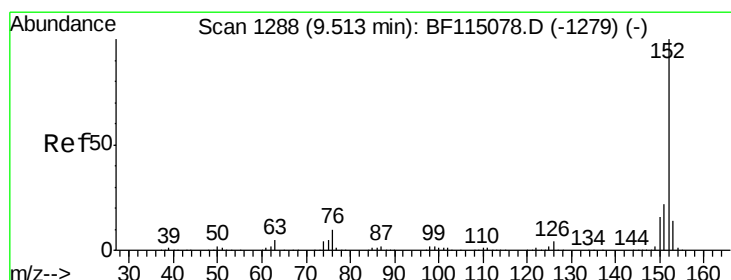
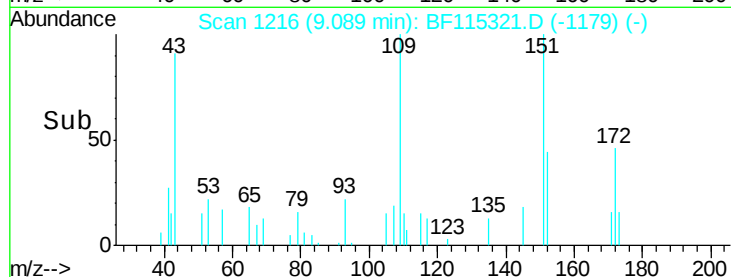
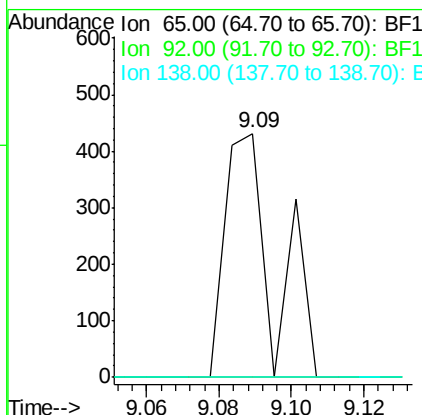
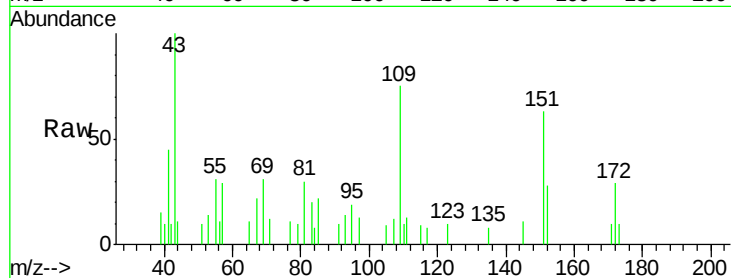
#48
2-Nitroaniline
Concen: 0.061 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.08 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	57.4	86.2#
138	0.0	94.1	141.1#

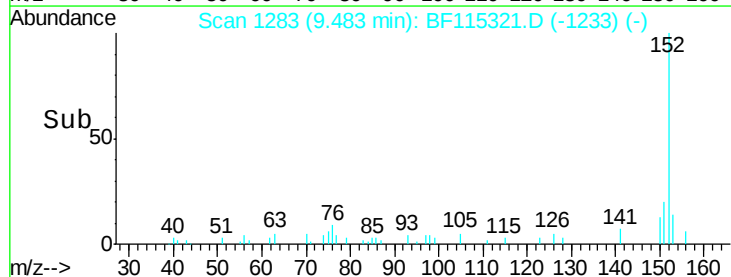
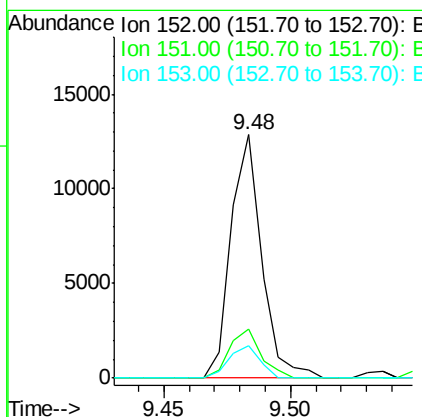
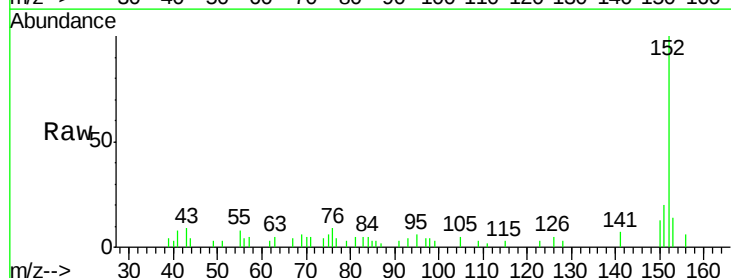
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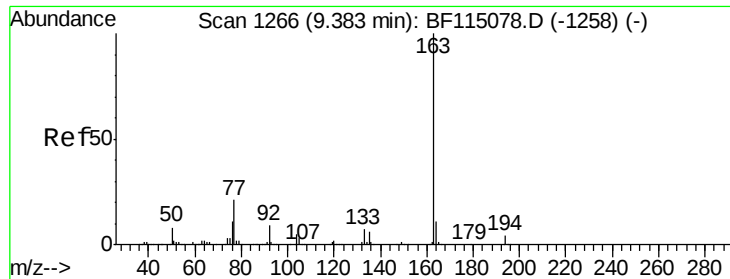
mohammad
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#49
Acenaphthylene
Concen: 0.303 ng
RT: 9.48 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.2	25.8
153	13.6	11.0	16.6





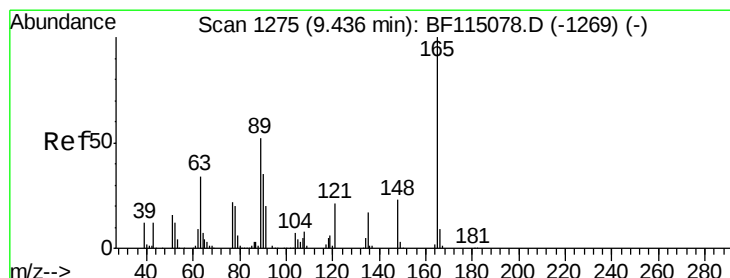
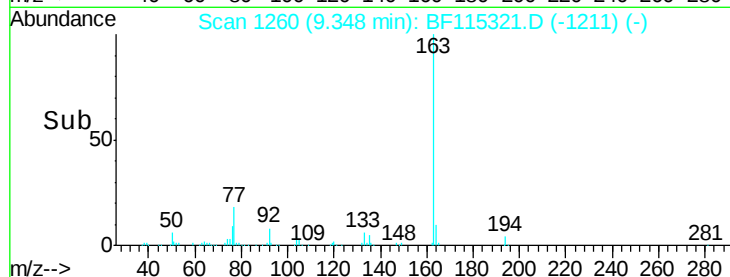
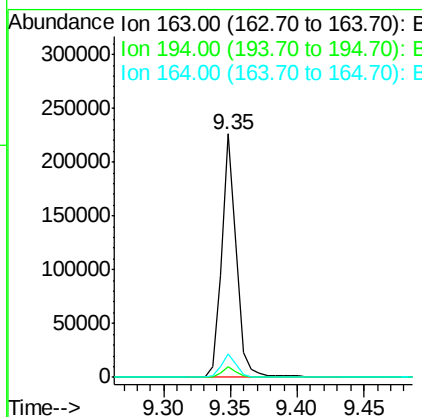
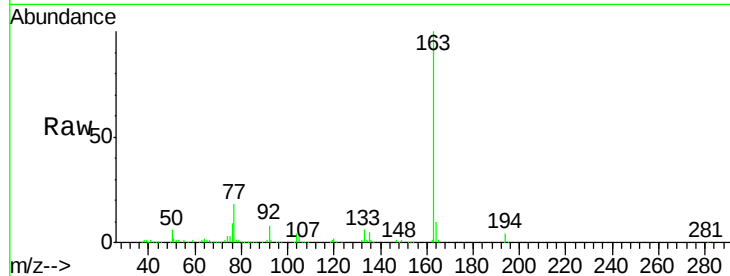
#50
Dimethylphthalate
Concen: 6.761 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	176017		
194	4.3	3.2	4.8	
164	9.6	8.6	13.0	

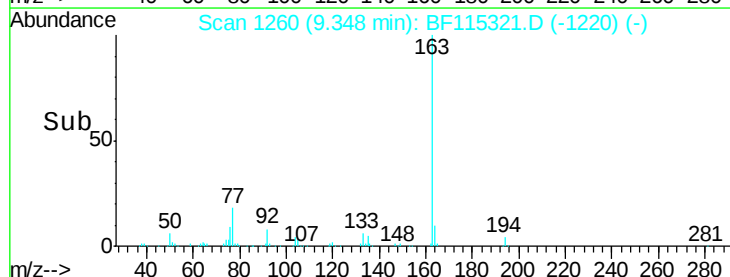
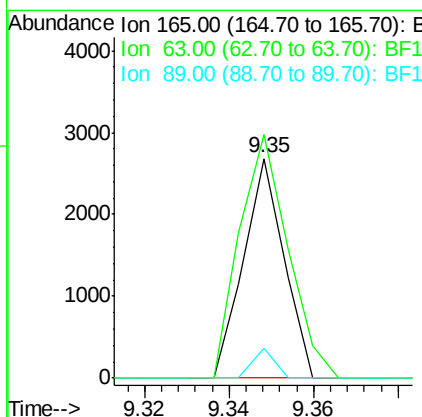
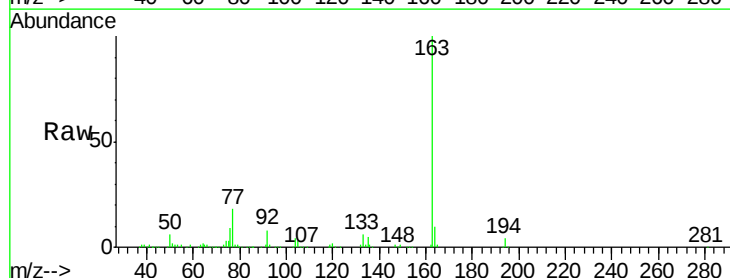
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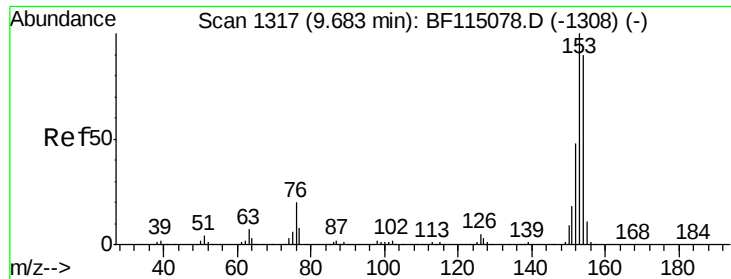
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#51
2,6-Dinitrotoluene
Concen: 0.296 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.06 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	1782		
63	111.0	39.4	59.2#	
89	13.5	42.0	63.0#	





#52

Acenaphthene

Concen: 0.165 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

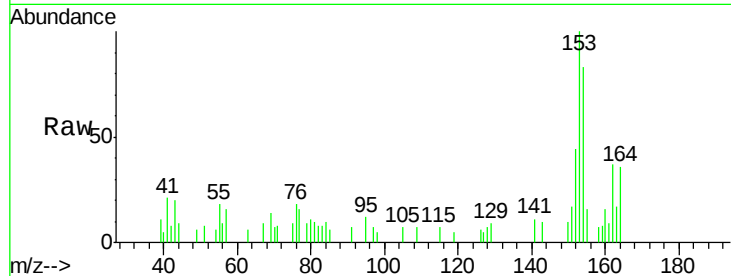
ClientSampleId :

FK-GF-02-044-B

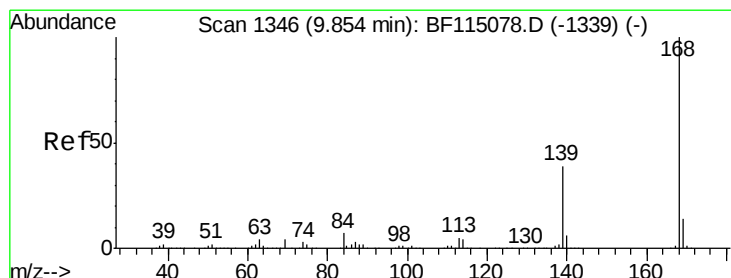
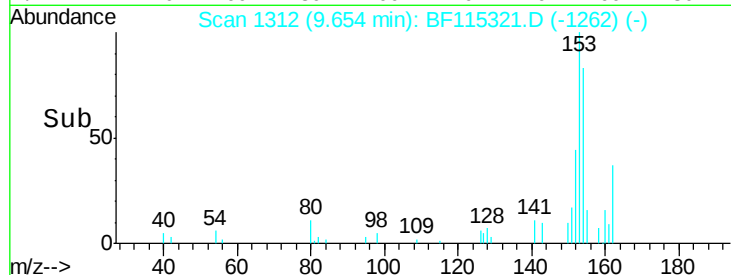
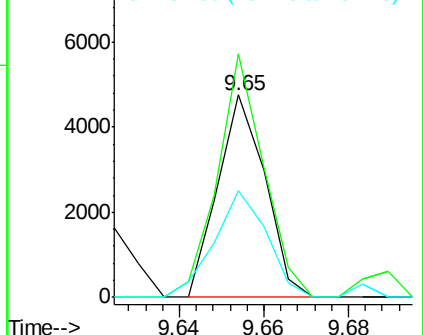
Tgt Ion:	154	Resp:	3685
Ion Ratio	Lower	Upper	
154	100		
153	120.4	88.7	133.1
152	52.7	42.6	64.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 0.135 ng

RT: 9.82 min Scan# 1341

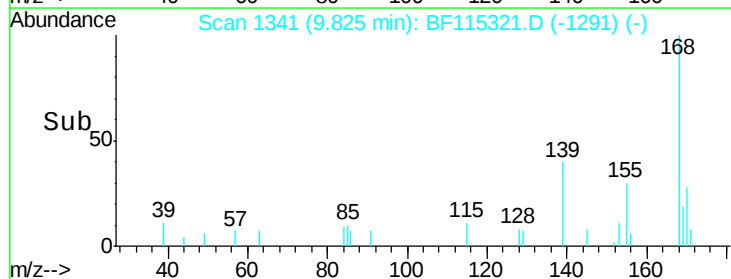
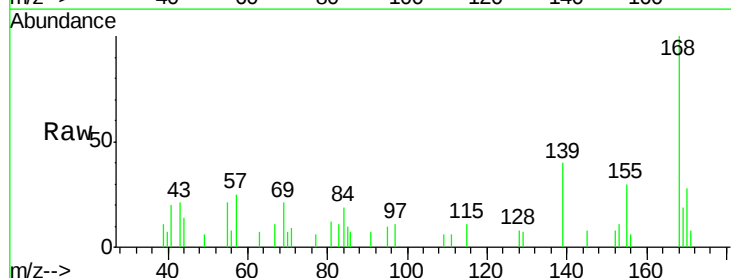
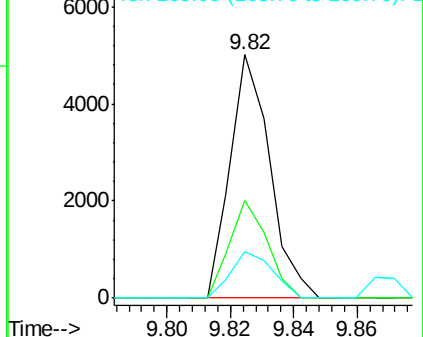
Delta R.T. -0.01 min

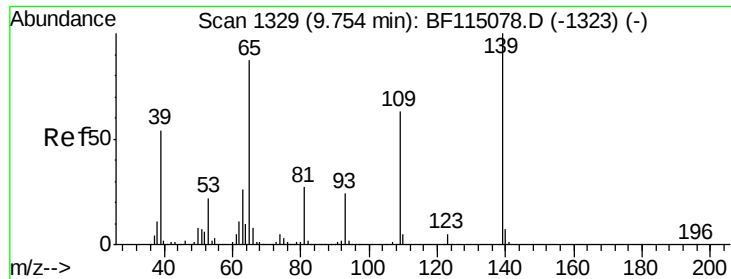
Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Tgt Ion:	168	Resp:	4340
Ion Ratio	Lower	Upper	
168	100		
139	40.0	31.1	46.7
169	19.2	11.3	16.9#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





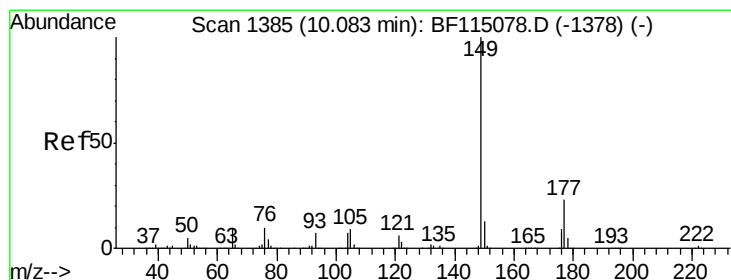
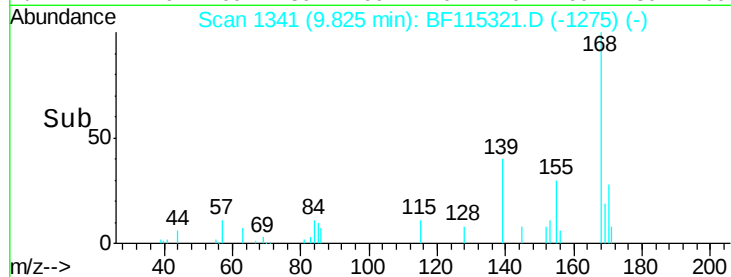
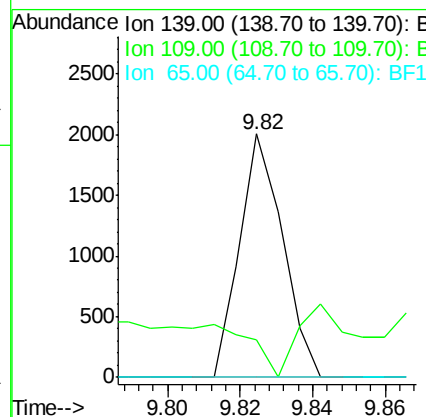
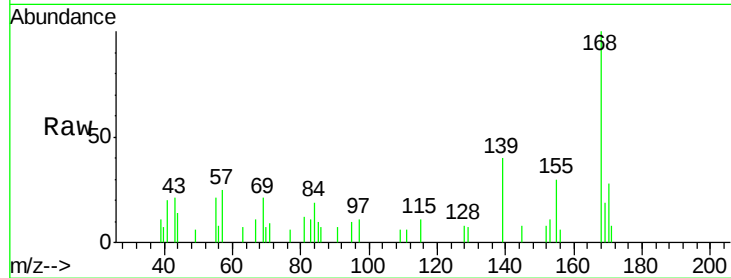
#56
4-Nitrophenol
Concen: 0.281 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.09 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
139	100		
109	15.3	43.0	83.0#
65	0.0	67.0	107.0#

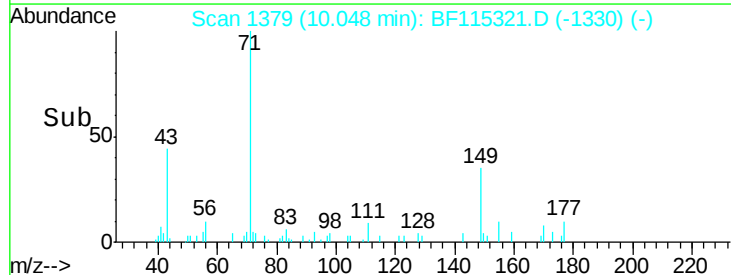
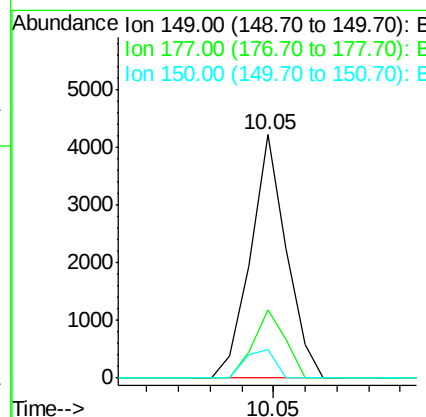
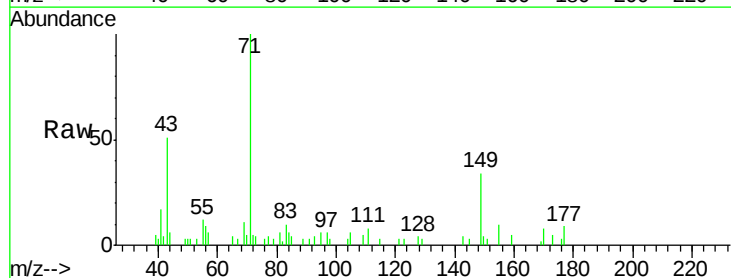
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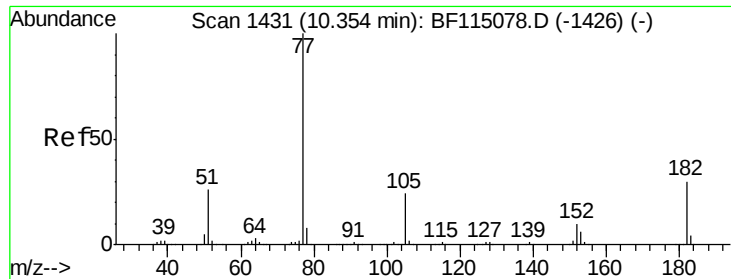
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#60
Diethylphthalate
Concen: 0.126 ng
RT: 10.05 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
149	100		
177	28.2	18.7	28.1#
150	11.6	10.4	15.6





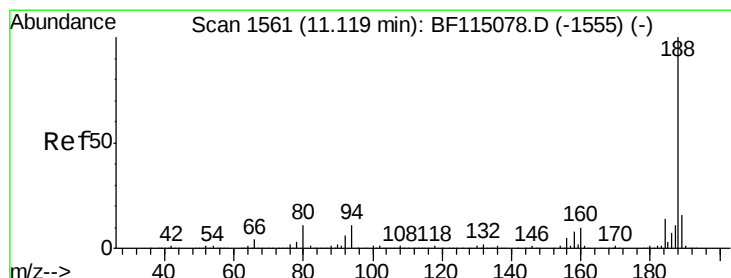
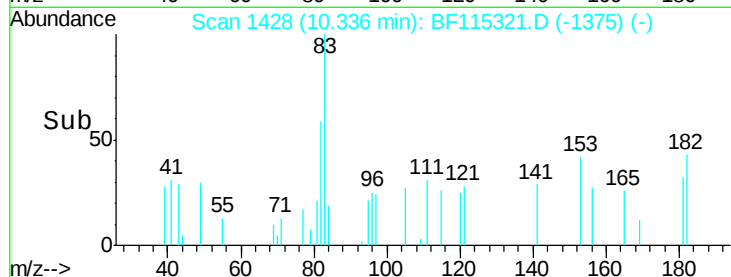
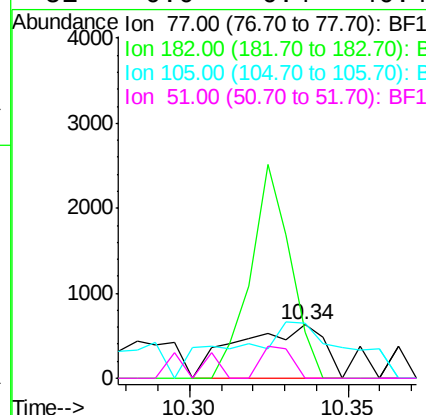
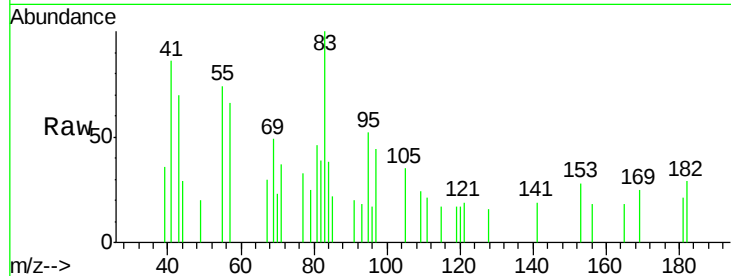
#63
Azobenzene
Concen: 0.048 ng
RT: 10.34 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
77	100		
182	85.8	10.1	50.1#
105	104.5	4.5	44.5#
51	0.0	6.4	46.4#

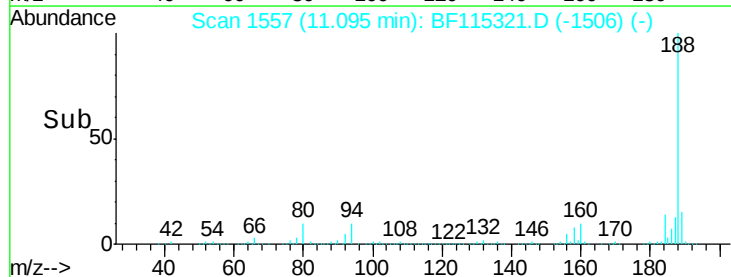
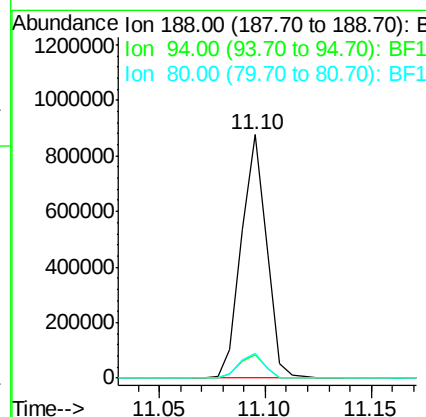
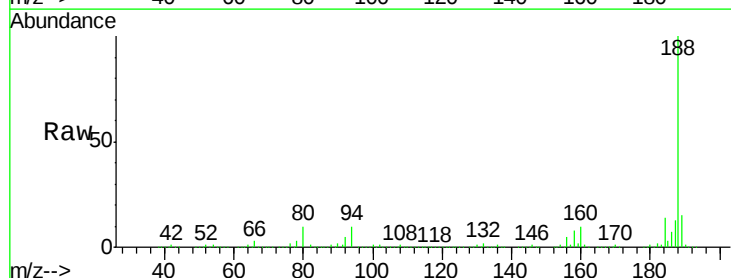
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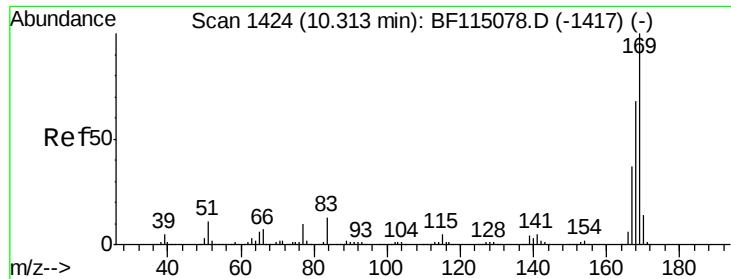
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.6	12.8
80	10.1	8.8	13.2





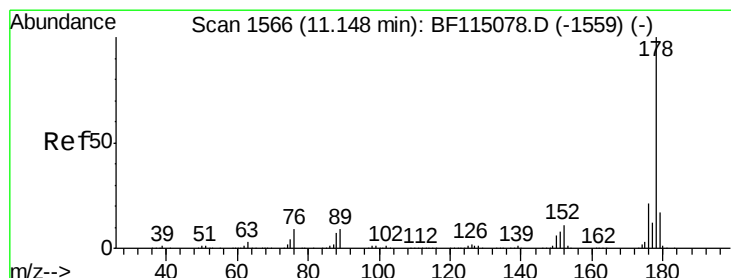
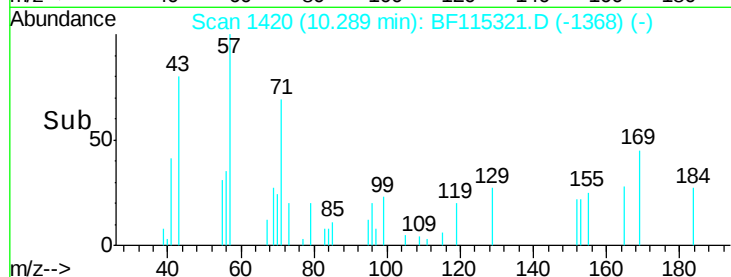
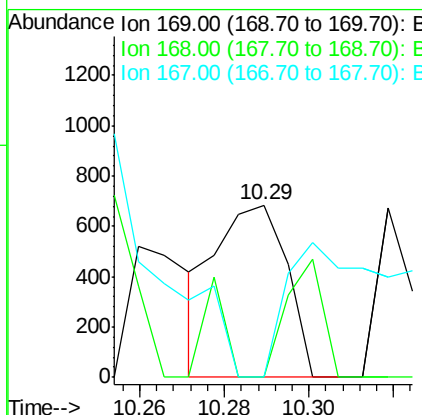
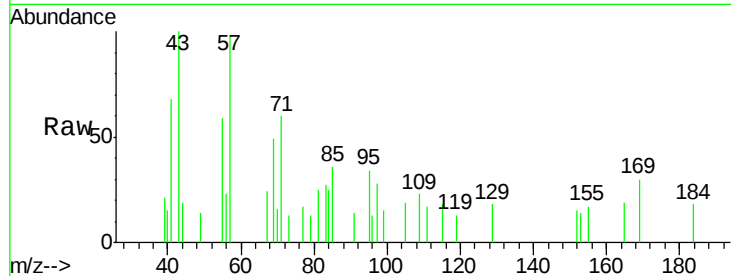
#66
n-Nitrosodiphenylamine
Concen: 0.036 ng
RT: 10.29 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
169	100		
168	0.0	54.2	81.4#
167	0.0	29.4	44.0#

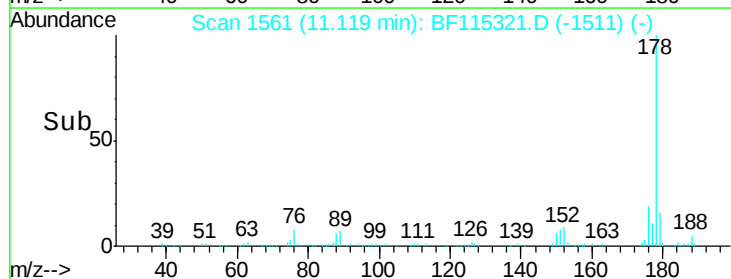
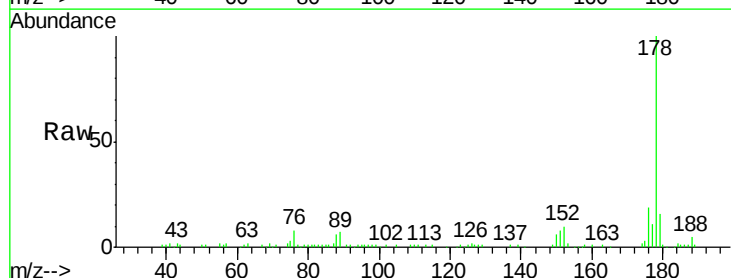
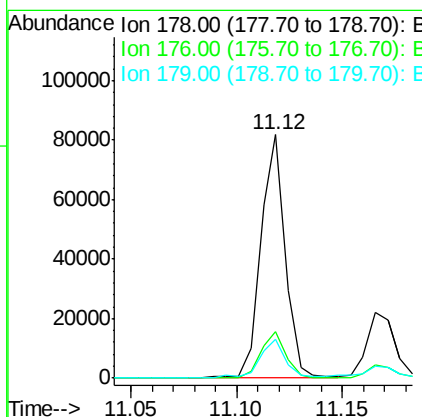
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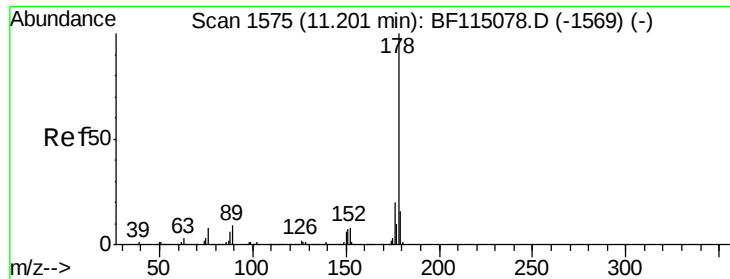
mohammad
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#71
Phenanthrene
Concen: 1.703 ng
RT: 11.12 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.9	25.3
179	16.0	13.2	19.8





#72

Anthracene

Concen: 0.504 ng

RT: 11.17 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

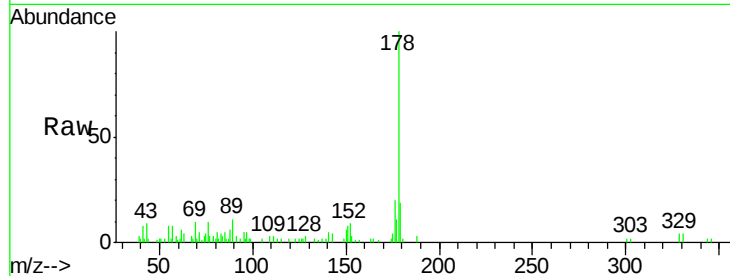
ClientSampleId :

FK-GF-02-044-B

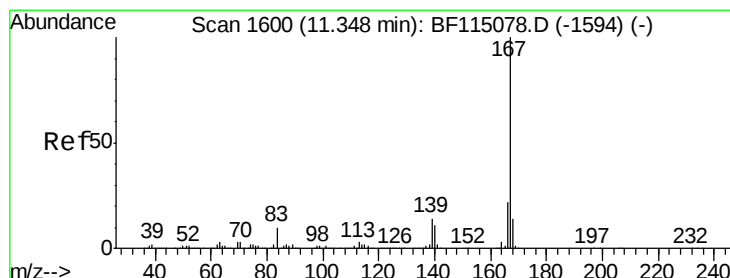
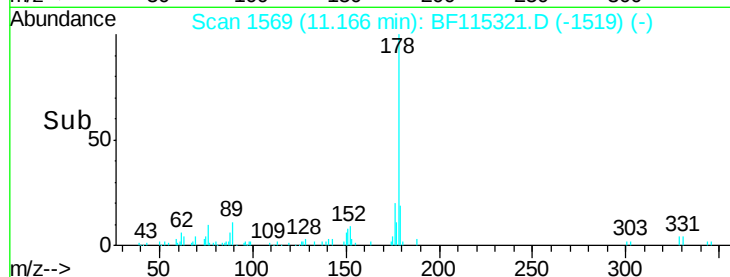
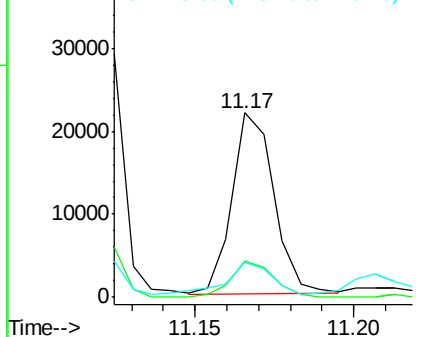
Tgt Ion:	178	Resp:	19715
Ion Ratio	Lower	Upper	
178	100		
176	19.8	16.1	24.1
179	19.0	12.9	19.3

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 0.185 ng

RT: 11.32 min Scan# 1596

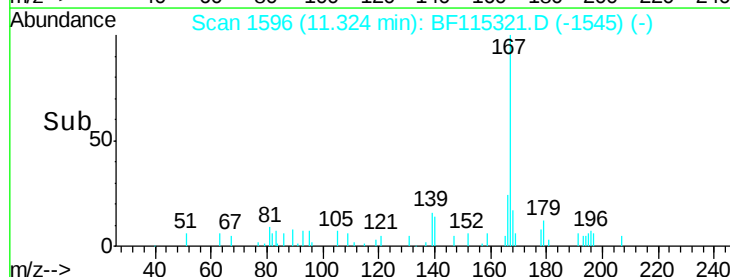
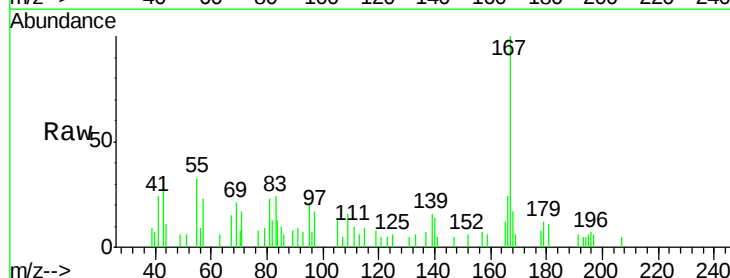
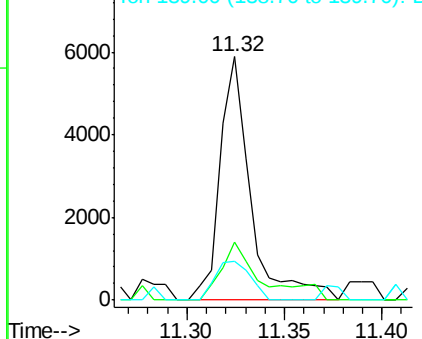
Delta R.T. 0.00 min

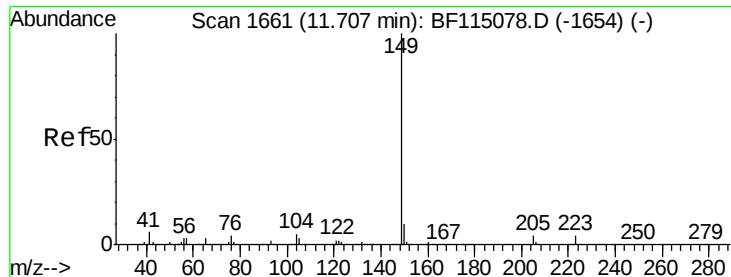
Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Tgt Ion:	167	Resp:	6470
Ion Ratio	Lower	Upper	
167	100		
166	23.8	18.0	27.0
139	16.1	11.1	16.7

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.325 ng

RT: 11.67 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

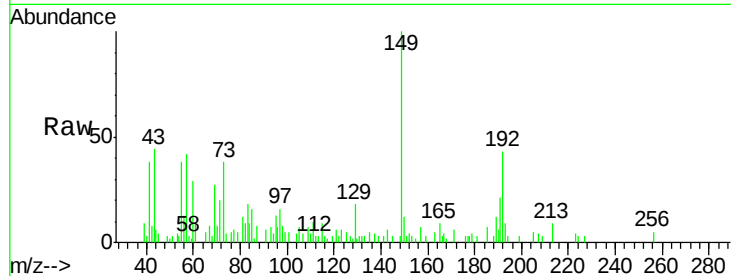
ClientSampleId :

FK-GF-02-044-B

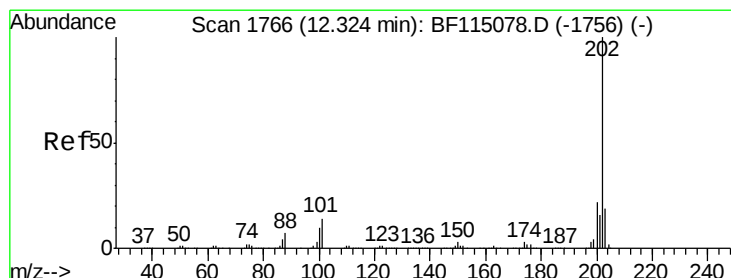
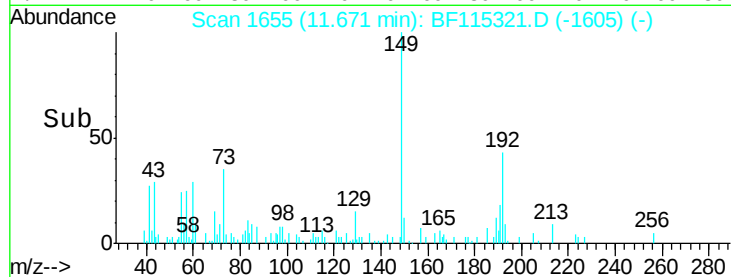
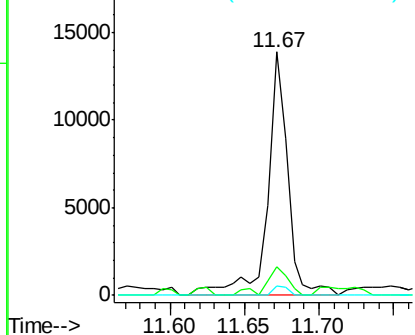
Tgt Ion:	149	Resp:	13108
Ion Ratio	Lower	Upper	
149	100		
150	11.8	7.8	11.8#
104	4.1	3.7	5.5

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 4.334 ng

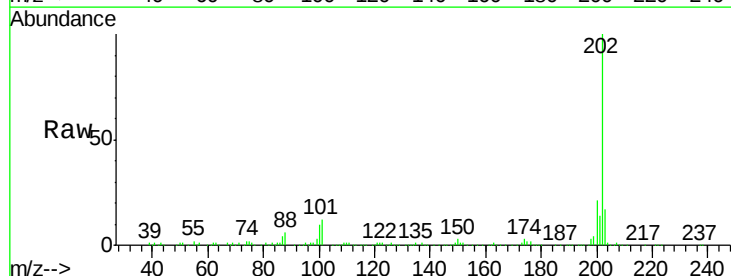
RT: 12.29 min Scan# 1761

Delta R.T. -0.01 min

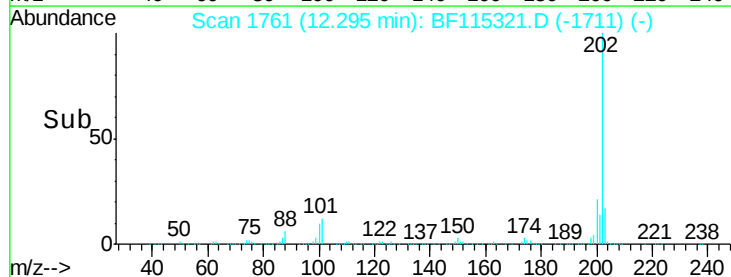
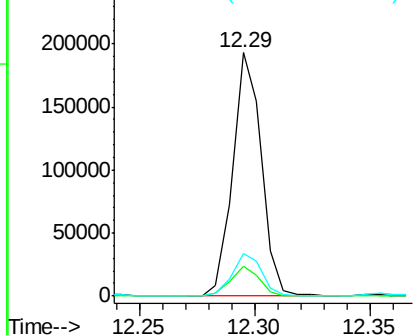
Lab File: BF115321.D

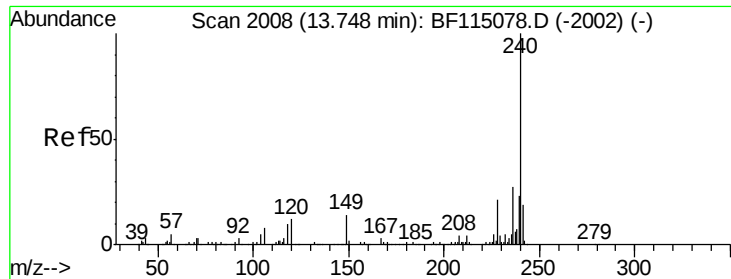
Acq: 29 Jun 2019 14:27

Tgt Ion:	202	Resp:	167481
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.0
203	17.3	0.0	38.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





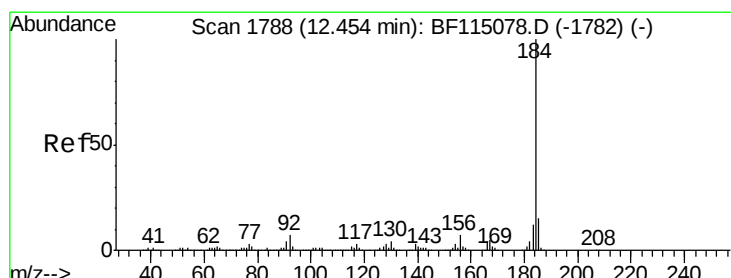
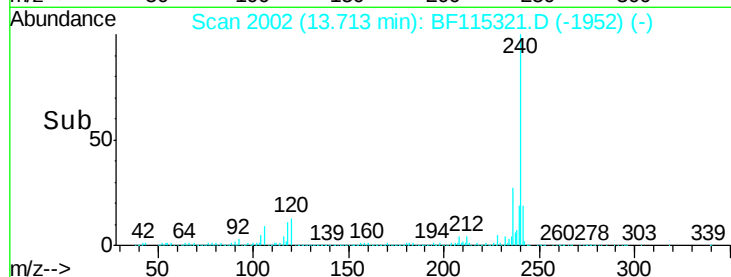
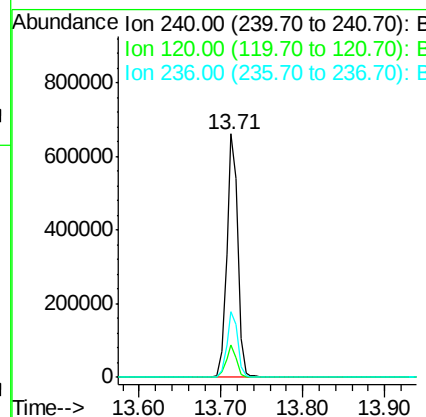
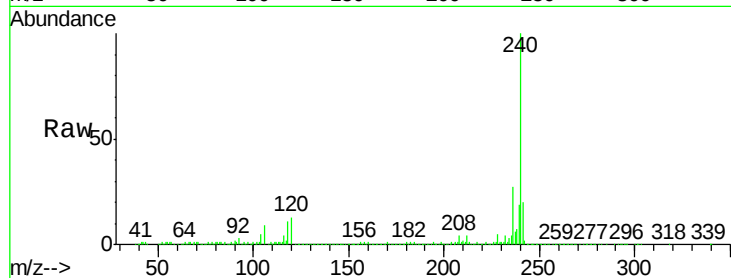
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.71 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.4	14.2
236	26.8	21.7	32.5

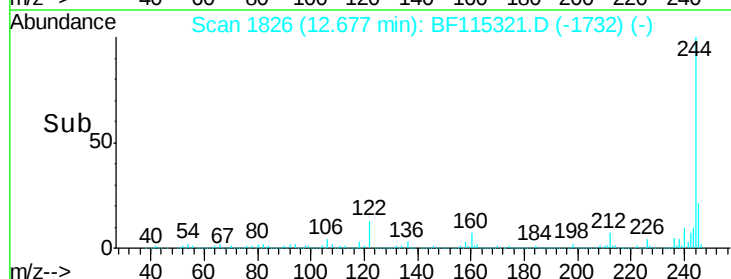
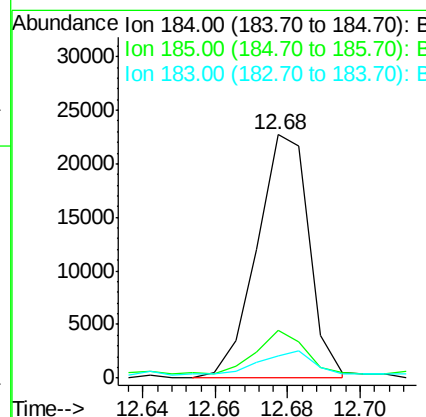
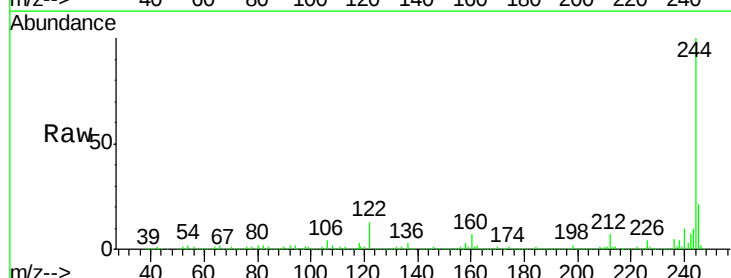
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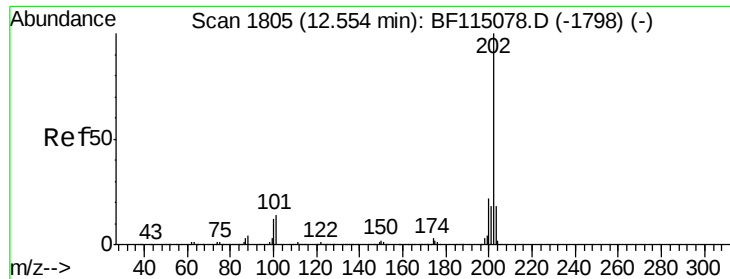
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#77
Benzidine
Concen: 0.838 ng
RT: 12.68 min Scan# 1826
Delta R.T. 0.25 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
184	100		
185	19.7	12.2	18.2#
183	9.0	9.6	14.4#





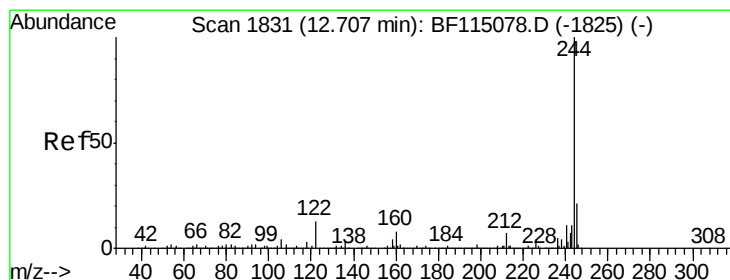
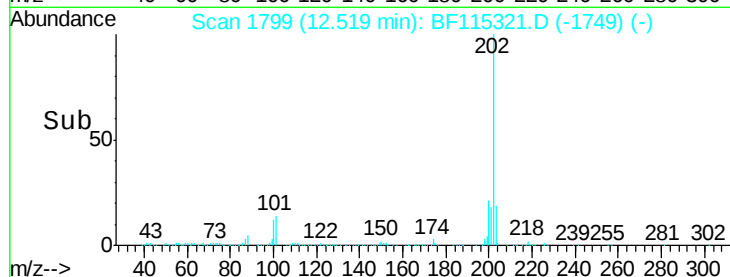
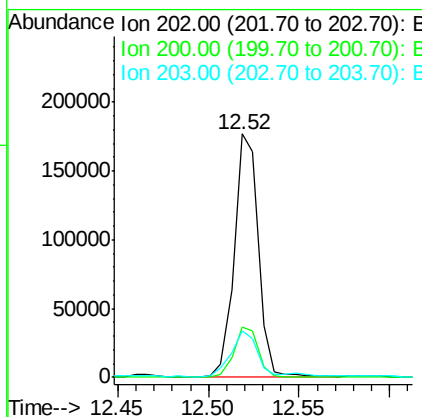
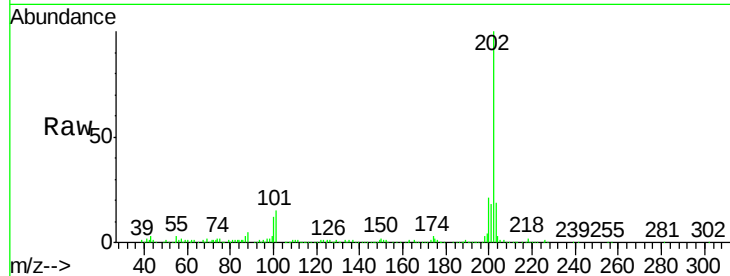
#78
Pyrene
Concen: 3.429 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion:	202	Resp:	162191
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.9	26.9
203	19.1	14.6	21.8

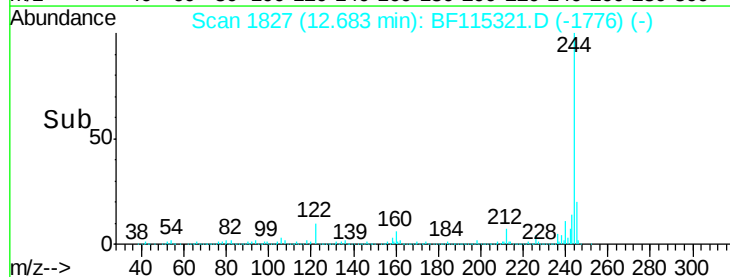
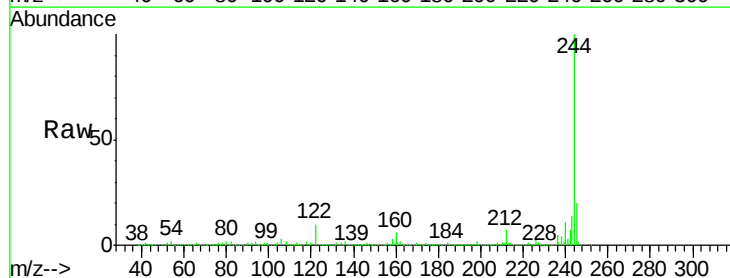
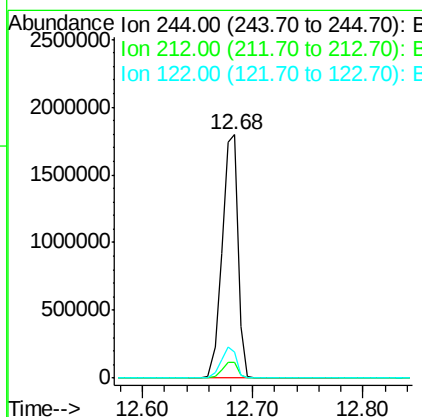
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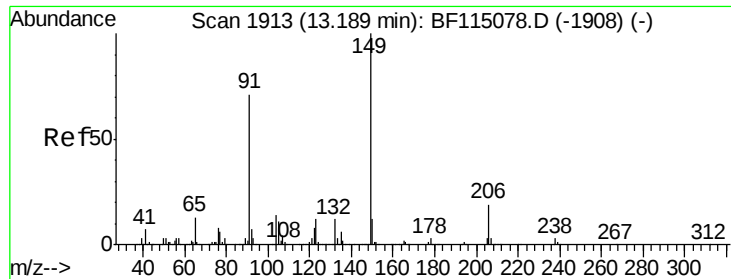
mohammad
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#79
Terphenyl-d14
Concen: 62.588 ng
RT: 12.68 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion:	244	Resp:	1811639
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.8	8.6
122	10.4	10.4	15.6





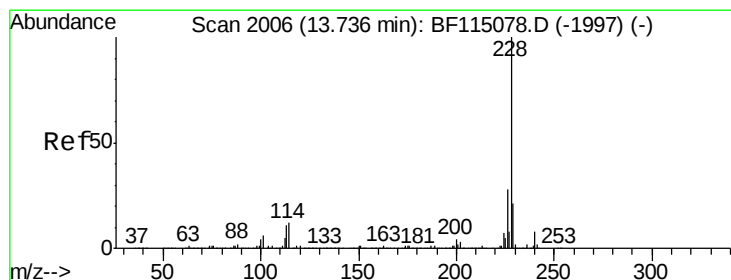
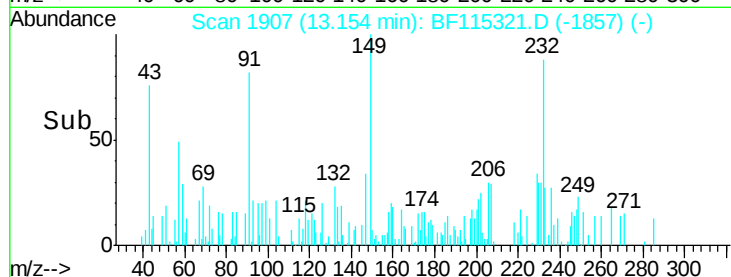
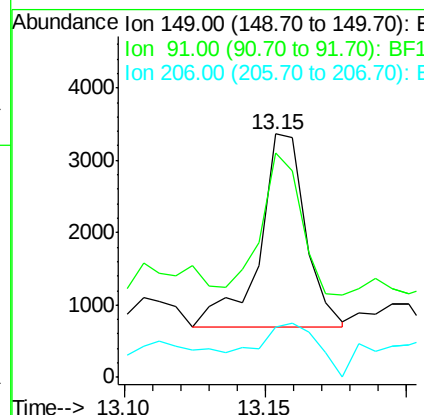
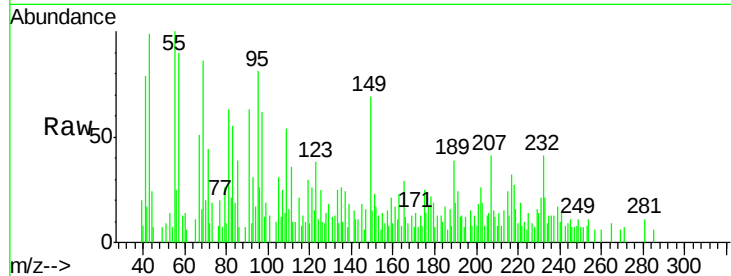
#80
Butylbenzylphthalate
Concen: 0.144 ng
RT: 13.15 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	3012		
91	91.9	56.5	84.7#	
206	20.7	15.3	22.9	

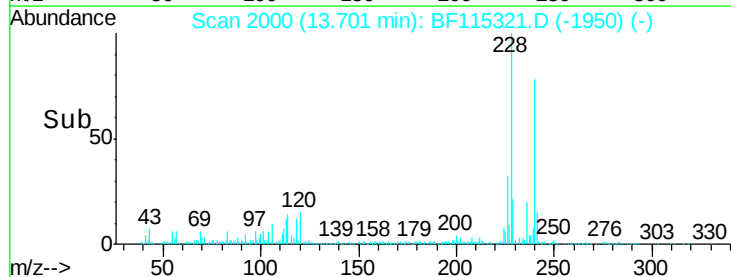
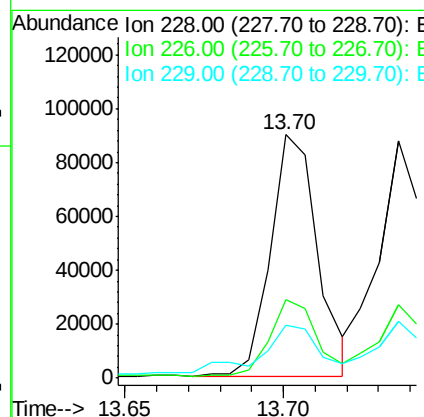
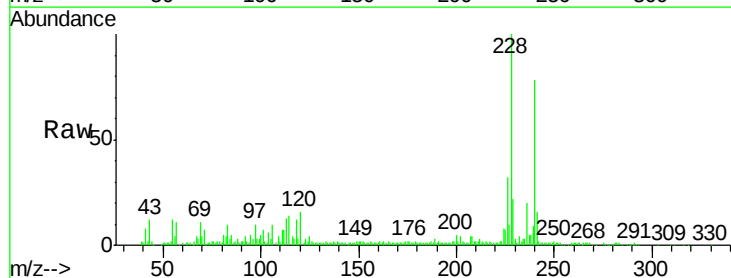
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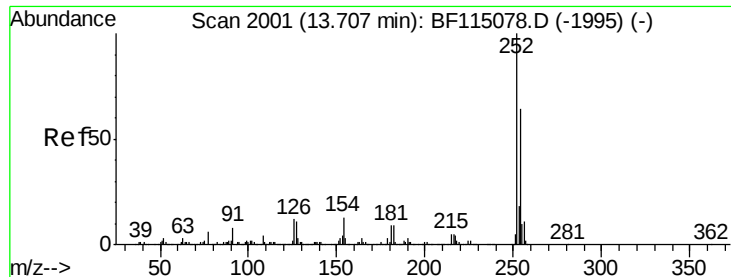
mohammad
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#81
Benzo(a)anthracene
Concen: 2.100 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	92714		
226	32.5	22.5	33.7	
229	21.9	16.6	24.8	





#82

3,3'-Dichlorobenzidine

Concen: 0.093 ng

RT: 13.64 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

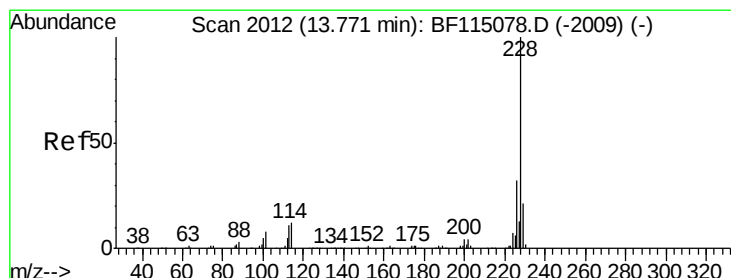
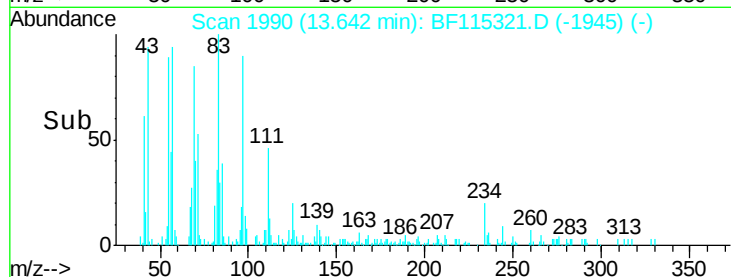
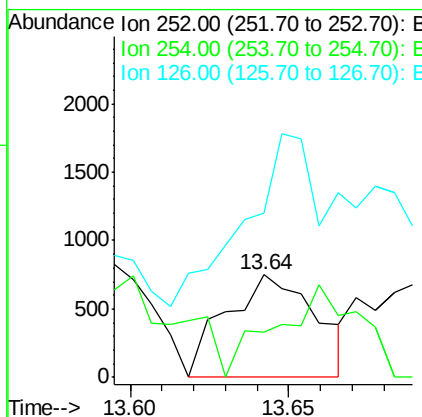
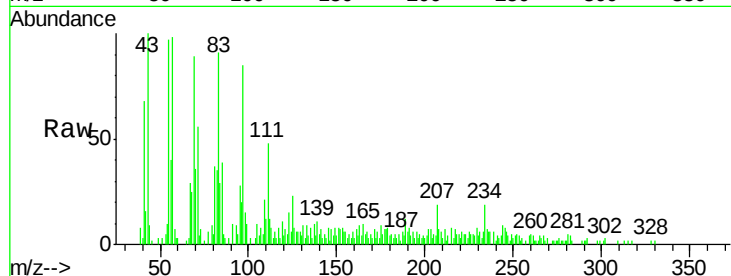
ClientSampleId :

FK-GF-02-044-B

Tgt Ion:	252	Resp:	1477
Ion Ratio	Lower	Upper	
252	100		
254	43.7	51.1	76.7#
126	160.1	9.4	14.0#

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#83

Chrysene

Concen: 2.097 ng

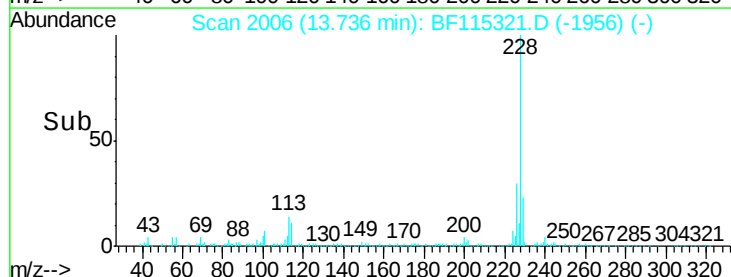
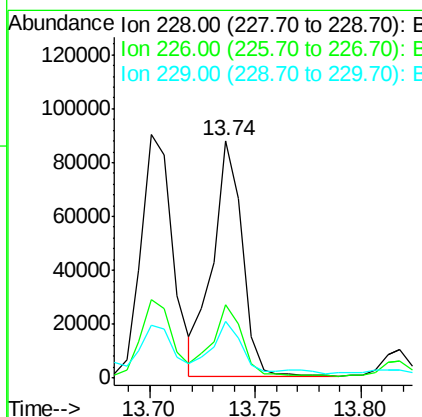
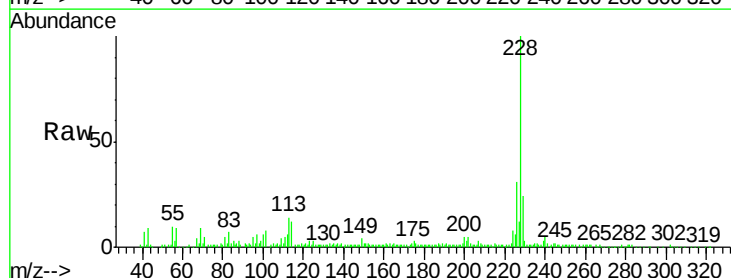
RT: 13.74 min Scan# 2006

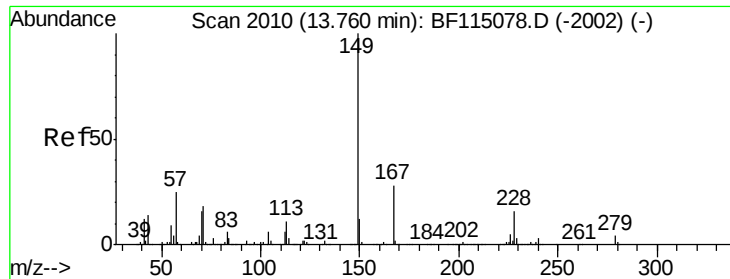
Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Tgt Ion:	228	Resp:	84806
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.4	38.0
229	24.0	16.5	24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.350 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

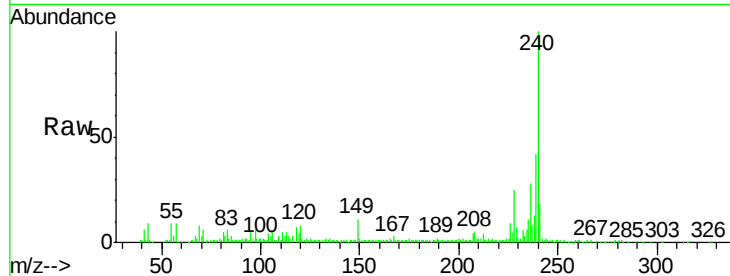
ClientSampleId :

FK-GF-02-044-B

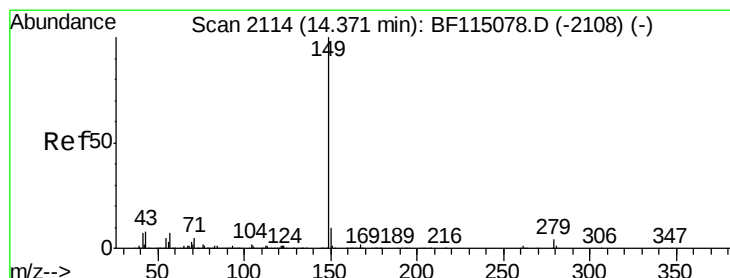
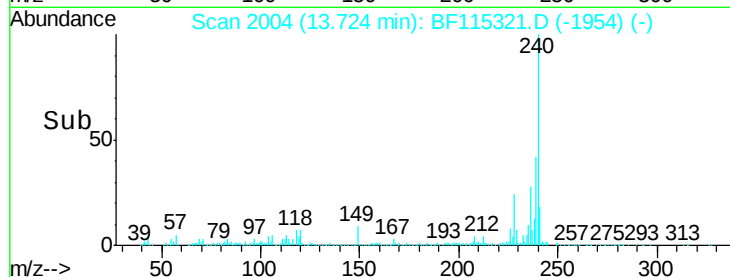
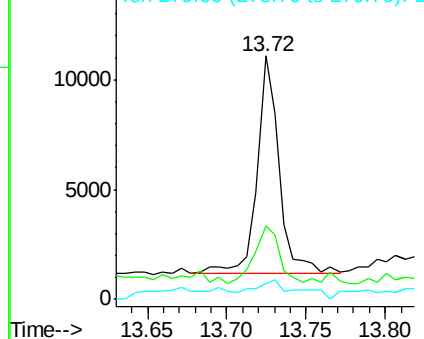
Tgt Ion:	149	Resp:	9566
Ion Ratio	Lower	Upper	
149	100		
167	30.3	22.2	33.4
279	6.7	2.9	4.3#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 0.009 ng

RT: 14.34 min Scan# 2108

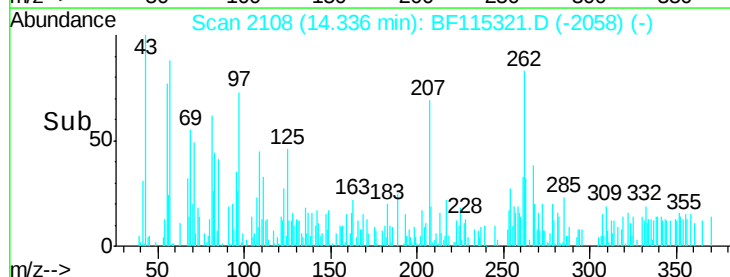
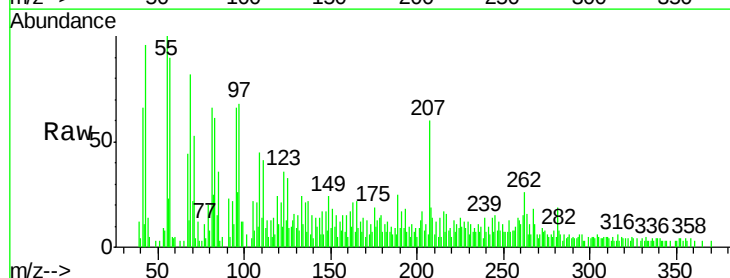
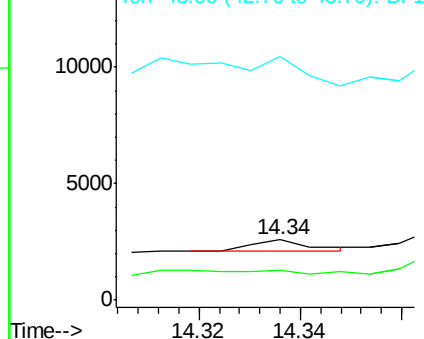
Delta R.T. -0.01 min

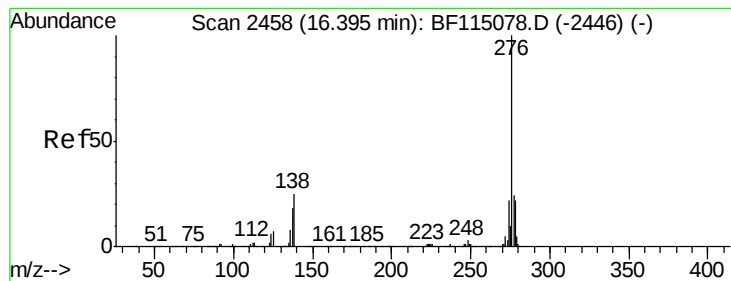
Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Tgt Ion:	149	Resp:	418
Ion Ratio	Lower	Upper	
149	100		
167	130.1	1.2	1.8#
43	1373.2	7.0	10.6#

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





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.881 ng

RT: 16.34 min Scan# 2448

Delta R.T. -0.02 min

Lab File: BF115321.D

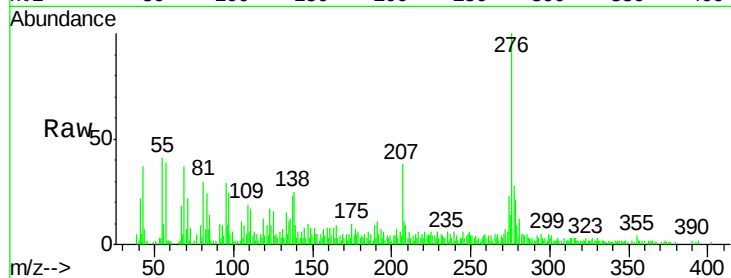
Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-B



Tgt Ion:276 Resp: 42178

Ion Ratio Lower Upper

276 100

138 23.7 23.2 34.8

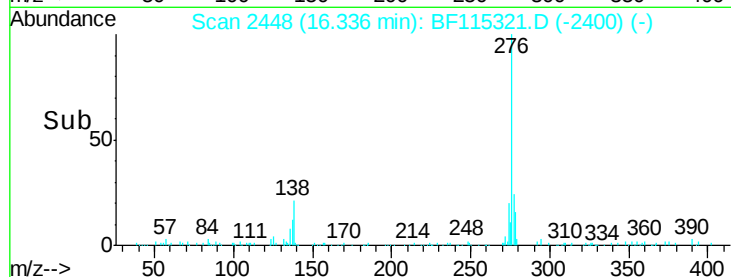
277 27.9 20.1 30.1

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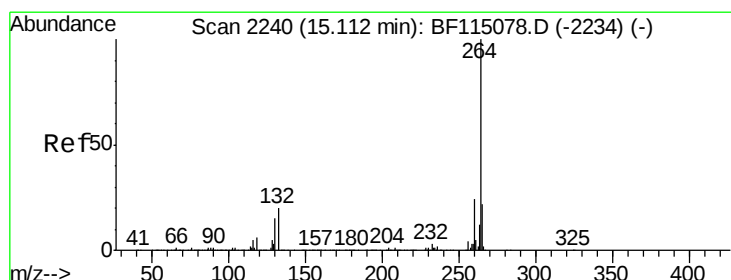
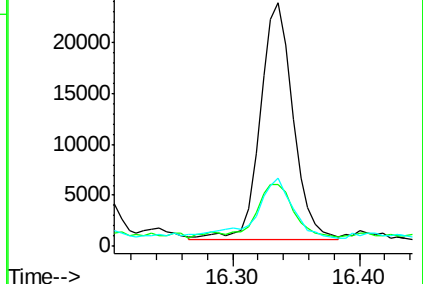
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Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.08 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

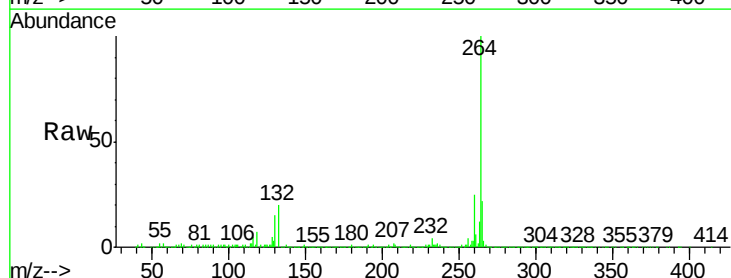
Tgt Ion:264 Resp: 631356

Ion Ratio Lower Upper

264 100

260 24.6 19.6 29.4

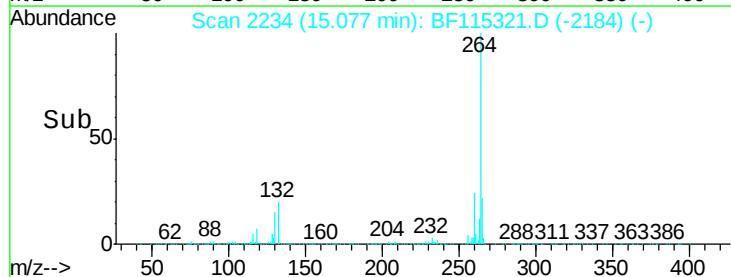
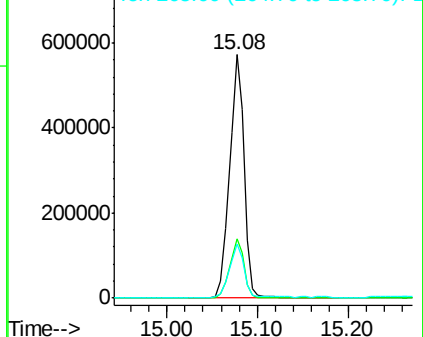
265 22.4 17.3 25.9

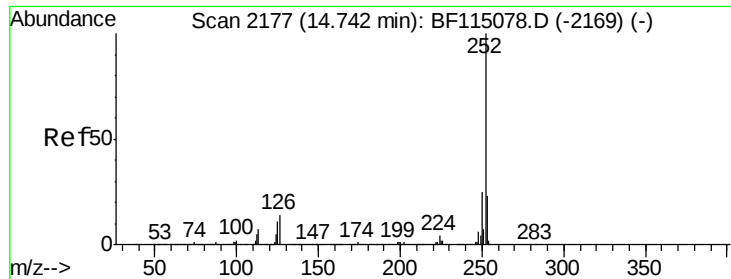


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





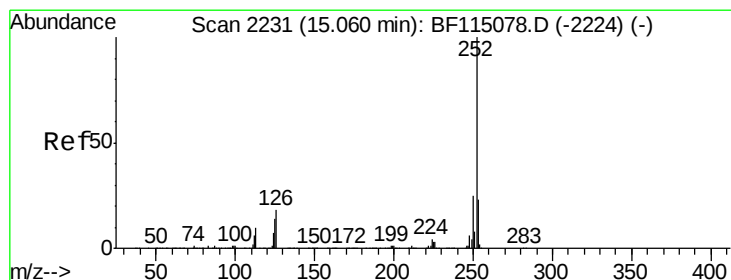
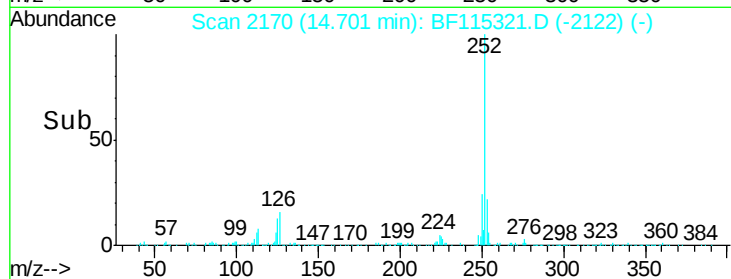
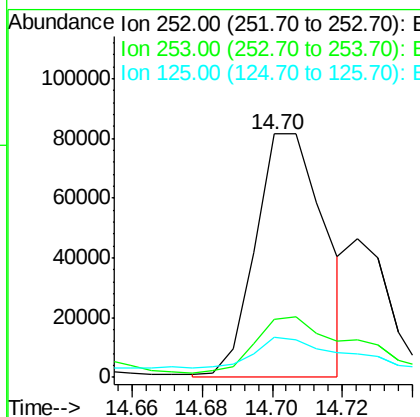
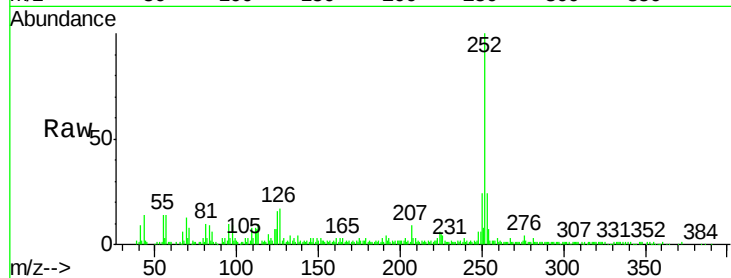
#88
Benzo(b)fluoranthene
Concen: 2.820 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-044-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	16.3	8.7	13.1

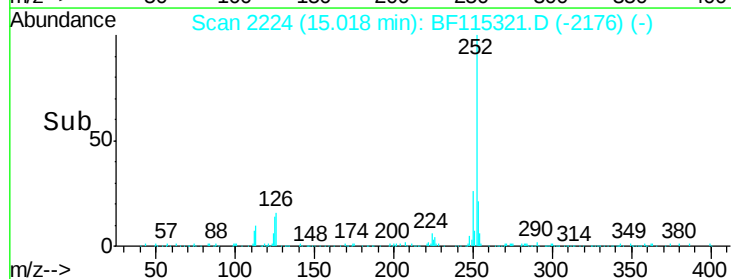
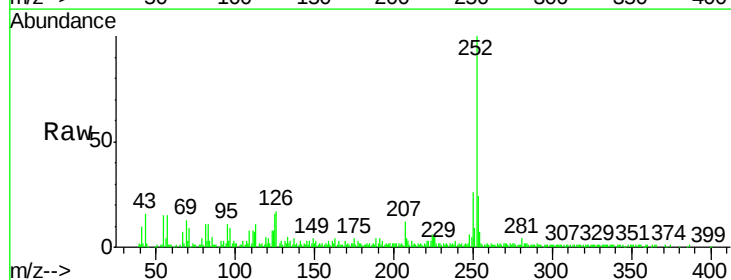
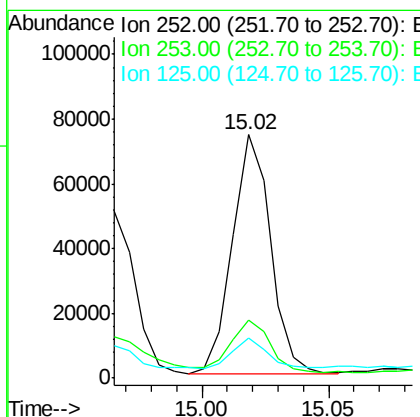
Manual Integrations
APPROVED

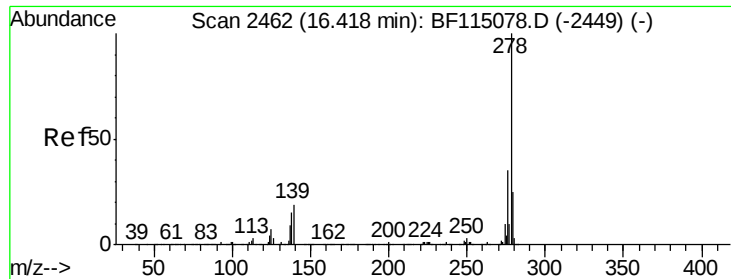
mohammad
7/1/2019 5:59:07 PM



#90
Benzo(a)pyrene
Concen: 2.193 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115321.D
Acq: 29 Jun 2019 14:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.3	27.5
125	16.4	10.9	16.3





#91

Dibenzo(a,h)anthracene

Concen: 0.332 ng

RT: 16.35 min Scan# 2450

Delta R.T. -0.02 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Instrument :

BNA_F

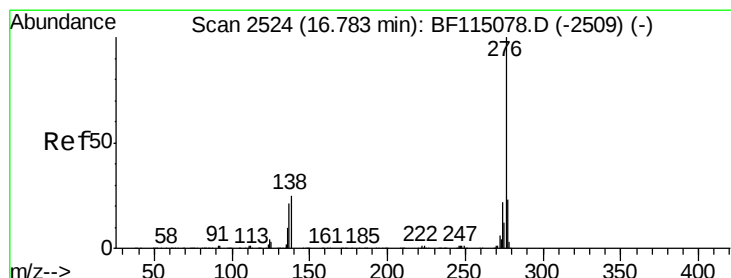
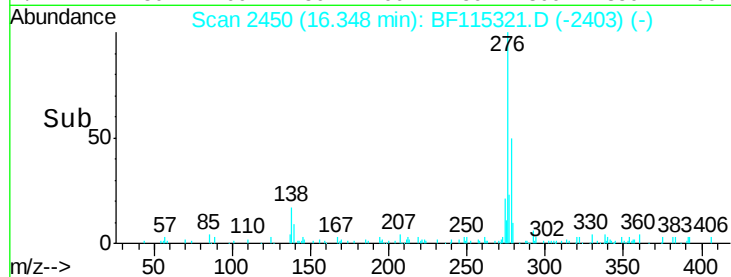
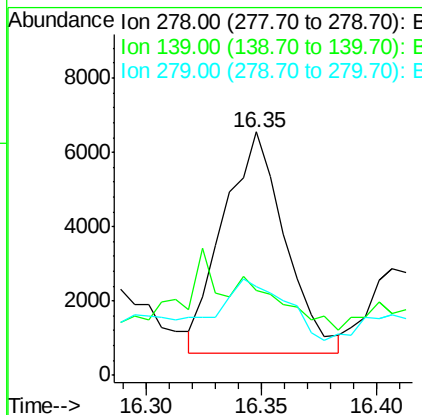
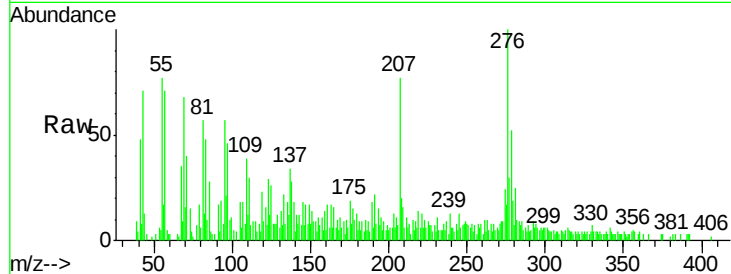
ClientSampleId :

FK-GF-02-044-B

Tgt Ion:	278	Resp:	11018
Ion Ratio	Lower	Upper	
278	100		
139	35.0	15.4	23.2#
279	36.3	19.9	29.9#

Manual Integrations
APPROVED

mohammad
7/1/2019 5:59:07 PM



#92

Benzo(g,h,i)perylene

Concen: 1.076 ng

RT: 16.71 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF115321.D

Acq: 29 Jun 2019 14:27

Tgt Ion:	276	Resp:	36085
Ion Ratio	Lower	Upper	
276	100		
277	26.1	18.6	28.0
138	25.4	19.8	29.6

