

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
 Data File : BF115320.D
 Acq On : 29 Jun 2019 14:01
 Operator : HP/JU
 Sample : K3530-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 7/1/2019 5:59:04 PM

Quant Time: Jul 01 09:23:10 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	198608	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	770332	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	383455	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	775367	20.00	ng	0.00
76) Chrysene-d12	13.71	240	645538	20.00	ng	0.00
87) Perylene-d12	15.08	264	664468	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.19	112	1126205	87.51	ng	0.00
7) Phenol-d6	6.24	99	1433539	91.77	ng	0.00
23) Nitrobenzene-d5	7.16	82	836289	66.78	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	409022	101.15	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1585602	70.24	ng	0.00
79) Terphenyl-d14	12.68	244	1880138	61.92	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.14	88	368	0.061	ng	# 49
6) Aniline	6.25	93	166	0.008	ng	# 1
8) 2-Chlorophenol	6.38	128	301	0.021	ng	# 1
9) Benzaldehyde	6.24	77	2111	0.207	ng	# 1
10) Phenol	6.25	94	9402	0.514	ng	# 94
11) bis(2-Chloroethyl)ether	6.37	93	1850	0.137	ng	# 1
15) Benzyl Alcohol	6.75	79	14334	1.260	ng	# 45
16) 2,2'-oxybis(1-Chloropropan	6.66	45	237	0.012	ng	# 67
17) 2-Methylphenol	7.01	107	148	0.012	ng	# 11
18) Hexachloroethane	7.17	117	429	0.074	ng	# 1
20) 3+4-Methylphenols	7.01	107	148	0.011	ng	# 7
22) Acetophenone	7.00	105	350	0.020	ng	# 42
24) Nitrobenzene	7.16	77	2702	0.196	ng	# 31
28) bis(2-Chloroethoxy)methane	7.88	93	366	0.023	ng	# 1
31) Naphthalene	7.90	128	33386	0.883	ng	# 97
33) 4-Chloroaniline	7.90	127	4035	0.233	ng	# 34
35) Caprolactam	8.27	113	440	0.114	ng	# 11
36) 4-Chloro-3-methylphenol	8.35	107	114	0.010	ng	# 17
37) 2-Methylnaphthalene	8.59	142	10370	0.407	ng	# 99
38) 1-Methylnaphthalene	8.59	142	10370	0.426	ng	# 95
46) 1,1'-Biphenyl	9.05	154	7258	0.237	ng	# 94
47) 2-Chloronaphthalene	9.35	162	1700	0.068	ng	# 1
48) 2-Nitroaniline	9.29	65	107	0.015	ng	# 1
49) Acenaphthylene	9.48	152	9102	0.235	ng	# 96
50) Dimethylphthalate	9.35	163	333051	11.805	ng	# 99
51) 2,6-Dinitrotoluene	9.35	165	3742	0.575	ng	# 8
52) Acenaphthene	9.65	154	35160	1.449	ng	# 99
53) 3-Nitroaniline	9.82	138	526	0.066	ng	# 5
55) Dibenzofuran	9.82	168	33682	0.967	ng	# 97
56) 4-Nitrophenol	9.82	139	12309	1.932	ng	# 16
60) Diethylphthalate	10.05	149	2883	0.102	ng	# 92
62) 4-Nitroaniline	10.17	138	536	0.067	ng	# 24
63) Azobenzene	10.33	77	806	0.030	ng	# 1
66) n-Nitrosodiphenylamine	10.28	169	2552	0.106	ng	# 92

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF062919\
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Instrument :
 BNA_F
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 FK-GF-02-044-A

Manual Integrations
 APPROVED

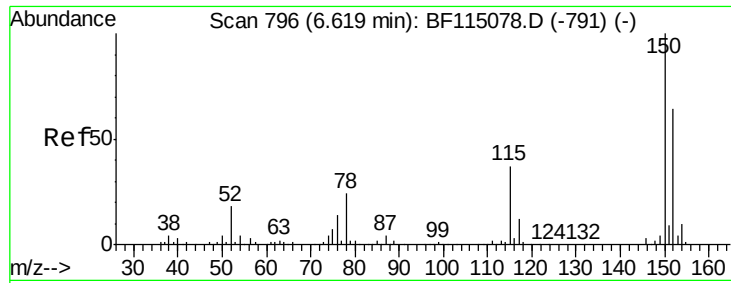
mohammad
 7/1/2019 5:59:04 PM

Quant Time: Jul 01 09:23:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF062119.M
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 Response via : Initial Calibration

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

71) Phenanthrene	11.12	178	526243	12.606	ng	97
72) Anthracene	11.17	178	153759	3.649	ng	97
73) Carbazole	11.32	167	62300	1.656	ng	97
74) Di-n-butylphthalate	11.67	149	6528	0.150	ng	# 87
75) Fluoranthene	12.30	202	642290	15.420	ng	95
77) Benzidine	12.68	184	23729	0.828	ng	95
78) Pyrene	12.52	202	565868	11.406	ng	99
80) Butylbenzylphthalate	13.15	149	1067	0.049	ng	# 57
81) Benzo(a)anthracene	13.70	228	274246	5.921	ng	98
82) 3,3'-Dichlorobenzidine	13.68	252	128	0.008	ng	# 4
83) Chrysene	13.74	228	248480	5.856	ng	97
84) Bis(2-ethylhexyl)phthalate	13.72	149	11902	0.415	ng	# 89
85) Di-n-octyl phthalate	14.34	149	916	0.019	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.33	276	122421m	2.438	ng	
88) Benzo(b)fluoranthene	14.70	252	304878m	7.353	ng	
89) Benzo(k)fluoranthene	14.72	252	93237m	2.508	ng	
90) Benzo(a)pyrene	15.02	252	220147	5.891	ng	99
91) Dibenzo(a,h)anthracene	16.34	278	31591	0.906	ng	# 85
92) Benzo(g,h,i)perylene	16.71	276	112378	3.183	ng	97

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



#1

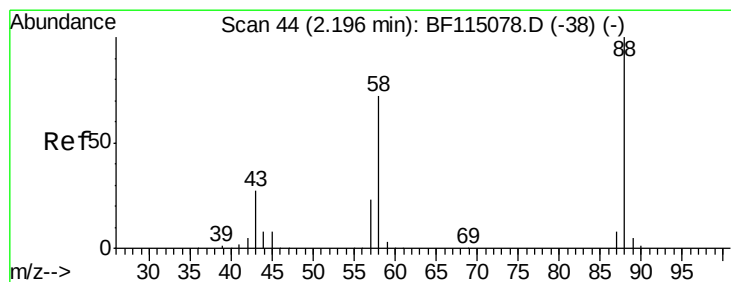
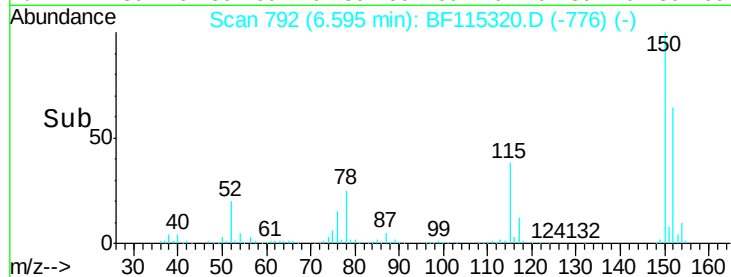
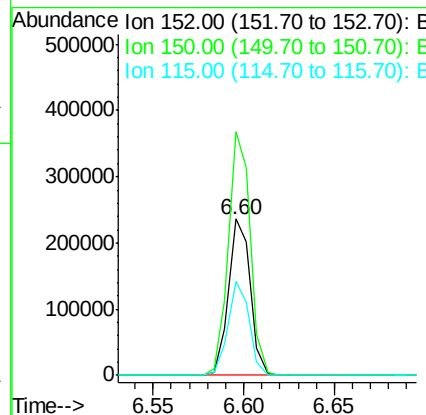
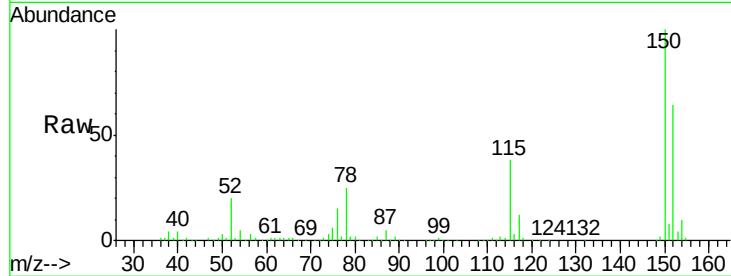
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.2	186.2
115	59.8	46.1	69.1

Manual Integrations
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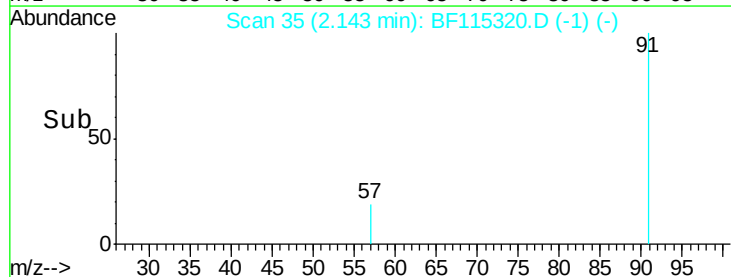
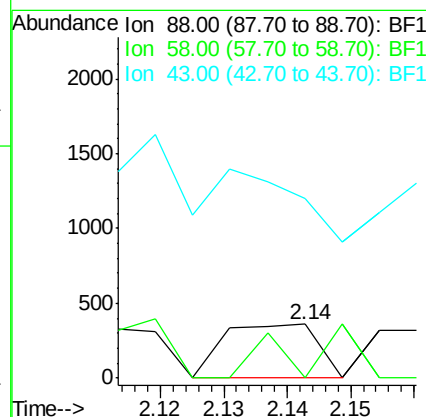
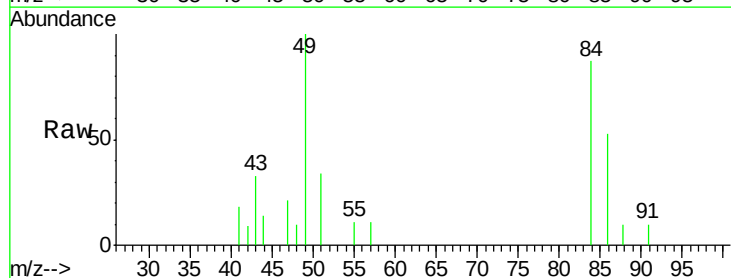
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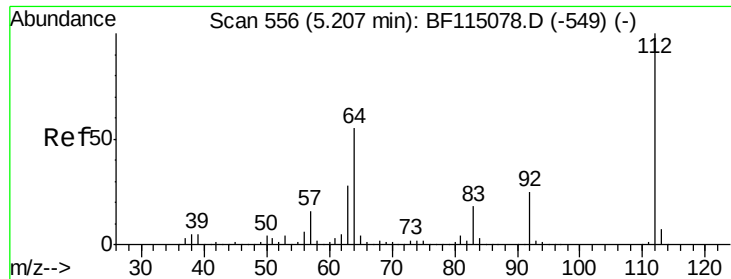


#2

1,4-Dioxane
Concen: 0.061 ng
RT: 2.14 min Scan# 35
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	28.8	56.1	84.1#
43	0.0	21.3	31.9#





#5

2-Fluorophenol

Concen: 87.505 ng

RT: 5.19 min Scan# 553

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

Tgt Ion: 112 Resp: 1126205

Ion Ratio Lower Upper

112 100

64 54.2 43.8 65.6

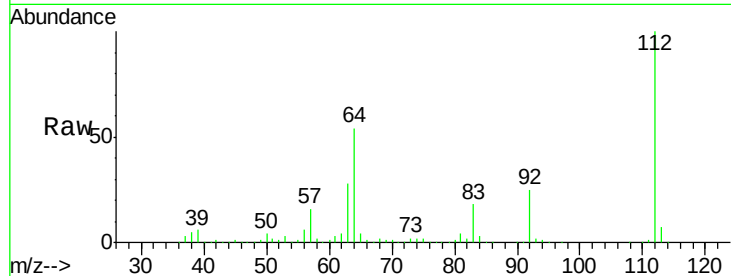
63 27.6 22.2 33.4

Manual Integrations

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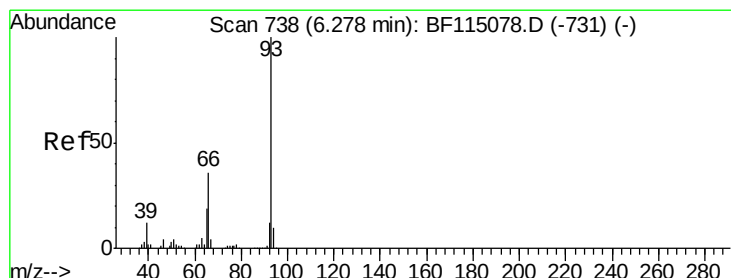
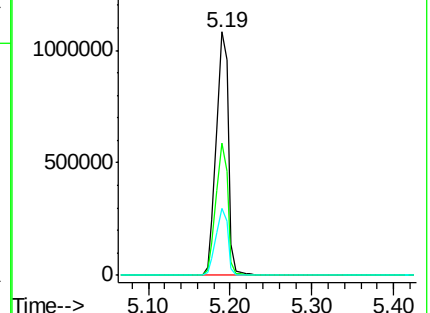
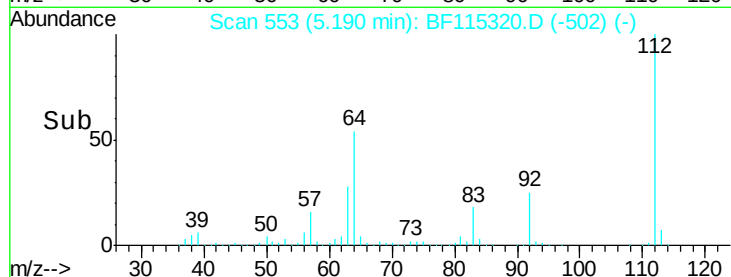
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.008 ng

RT: 6.25 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

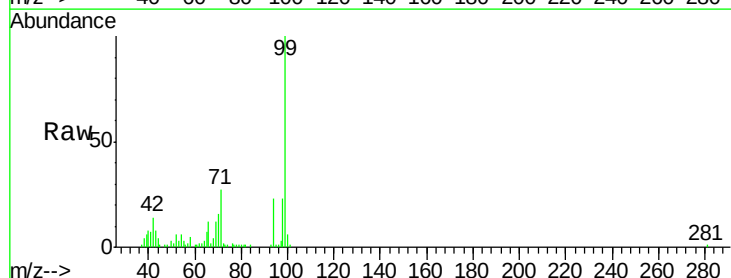
Tgt Ion: 93 Resp: 166

Ion Ratio Lower Upper

93 100

66 1726.3 30.0 45.0#

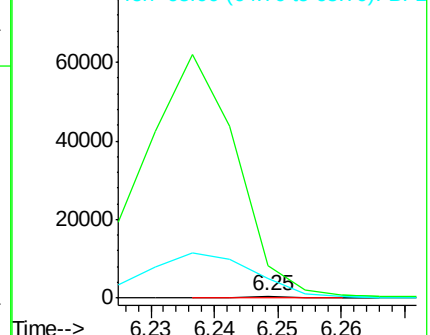
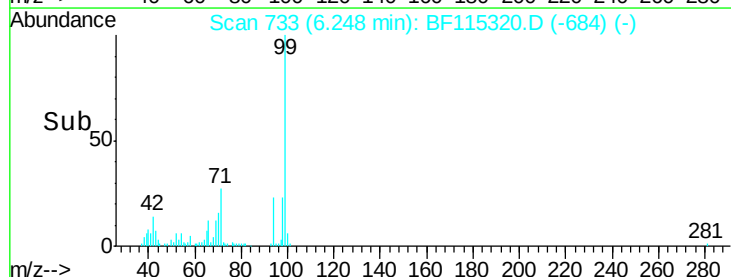
65 1033.8 15.6 23.4#

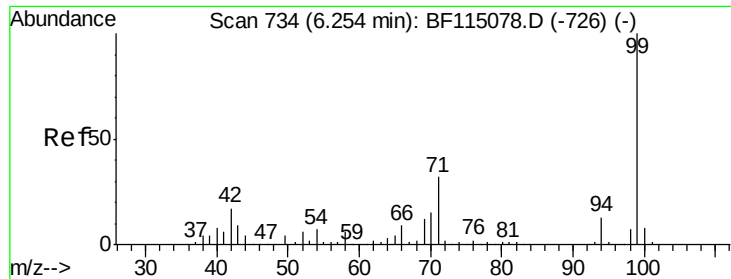


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 91.769 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

Tgt Ion: 99 Resp: 1433539

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

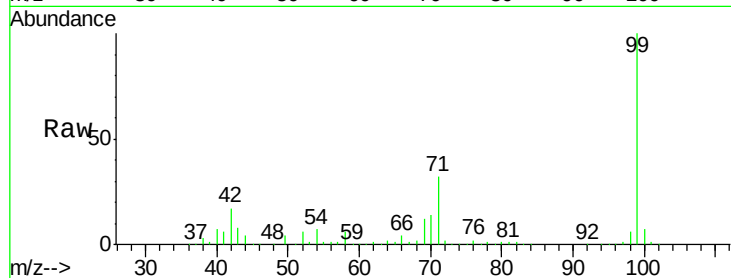
71 31.9 25.5 38.3

Manual Integrations

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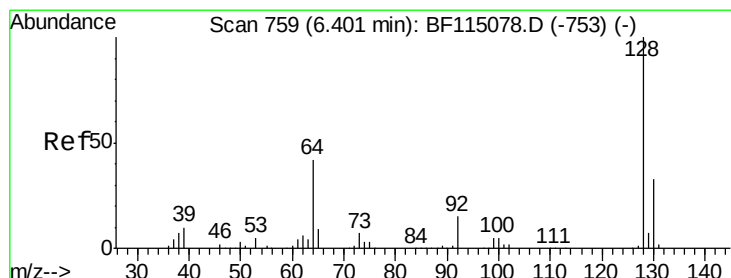
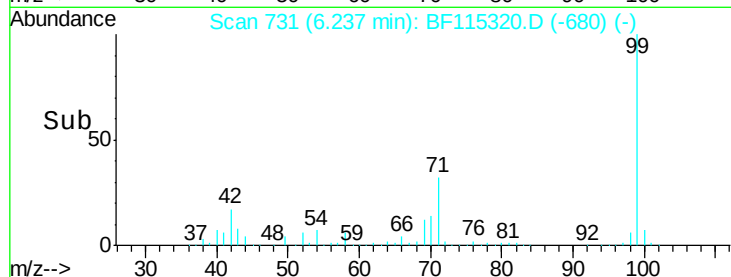
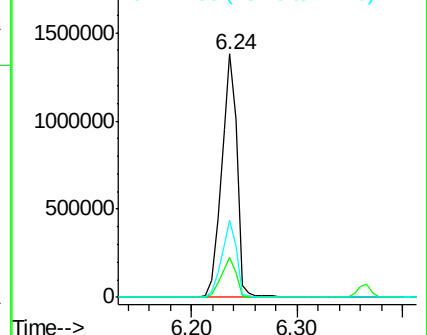
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 0.021 ng

RT: 6.38 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

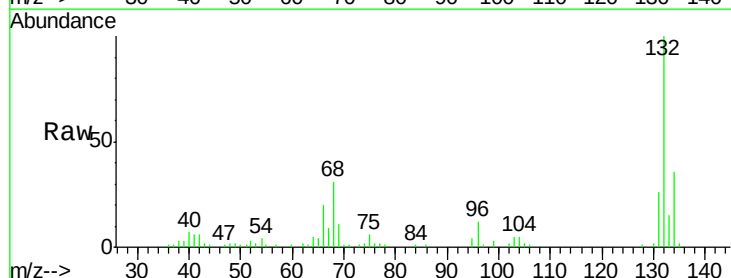
Tgt Ion: 128 Resp: 301

Ion Ratio Lower Upper

128 100

130 184.5 12.9 52.9#

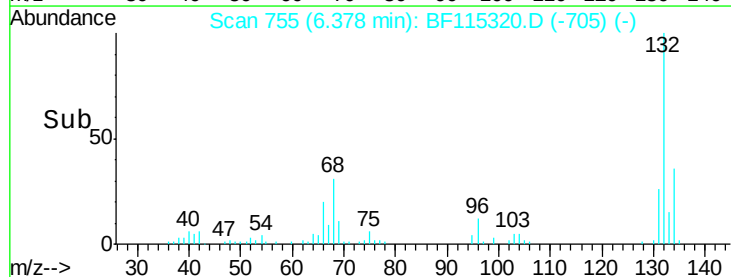
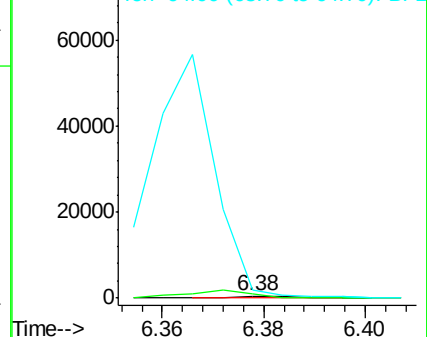
64 417.0 22.9 62.9#

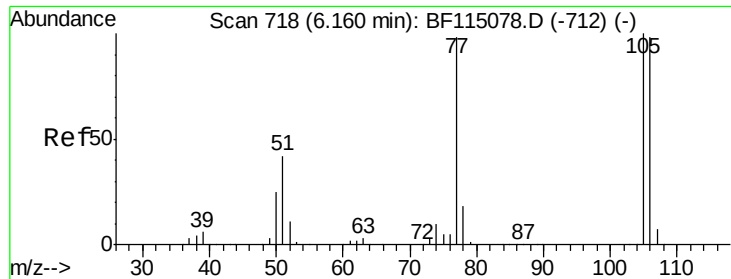


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 0.207 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.09 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

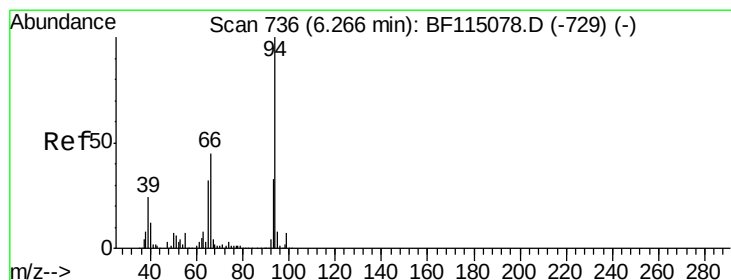
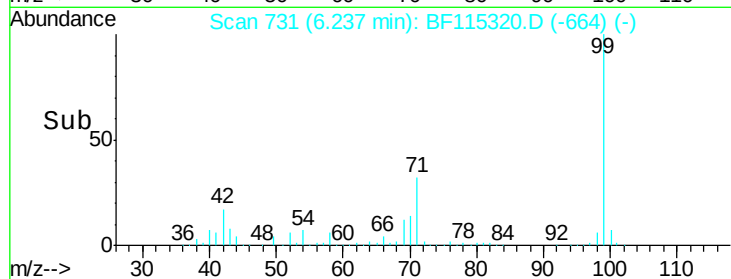
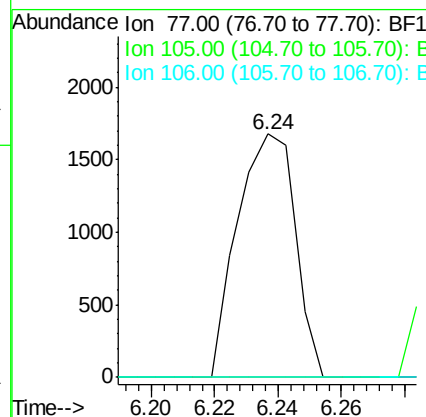
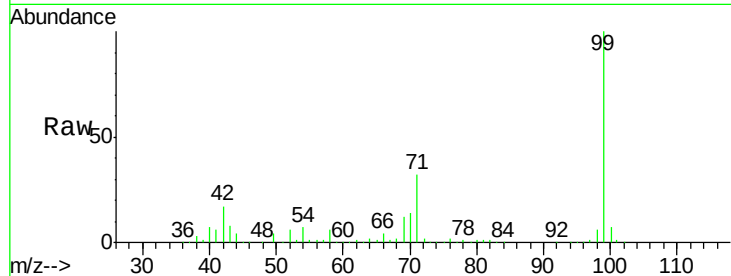
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	77	Resp:	2111
Ion	Ratio	Lower	Upper
77	100		
105	0.0	81.5	121.5#
106	0.0	79.7	119.7#

Manual Integrations
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#10

Phenol

Concen: 0.514 ng

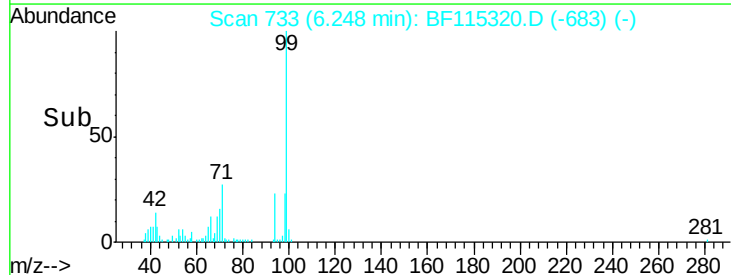
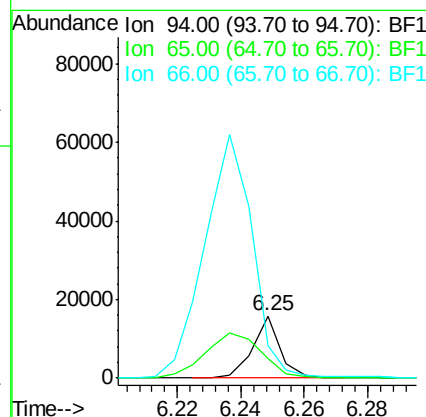
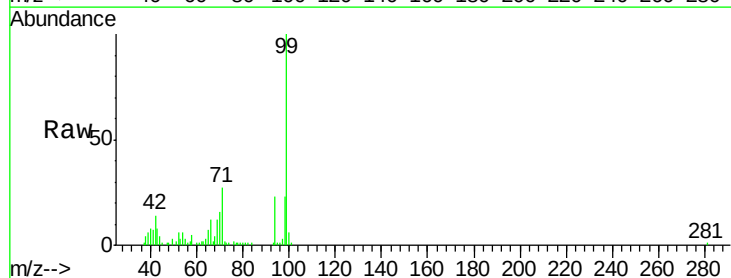
RT: 6.25 min Scan# 733

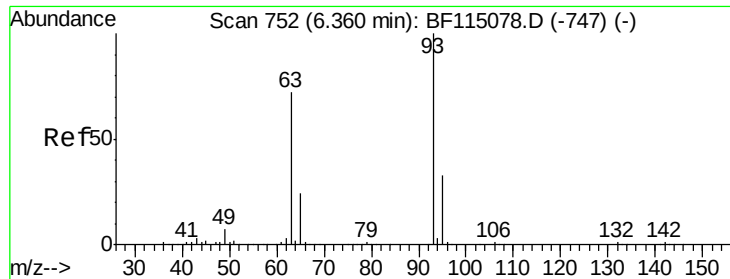
Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	94	Resp:	9402
Ion	Ratio	Lower	Upper
94	100		
65	30.8	11.9	51.9
66	51.4	25.2	65.2





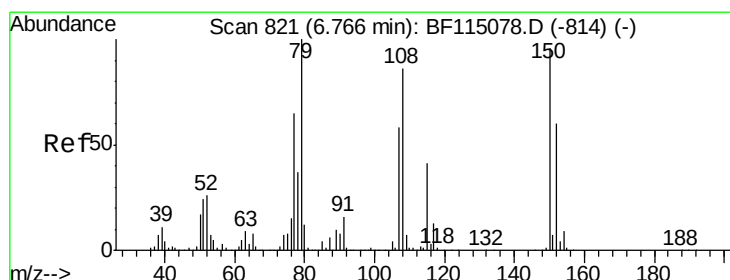
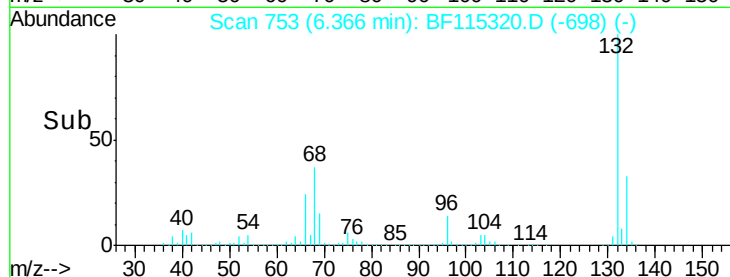
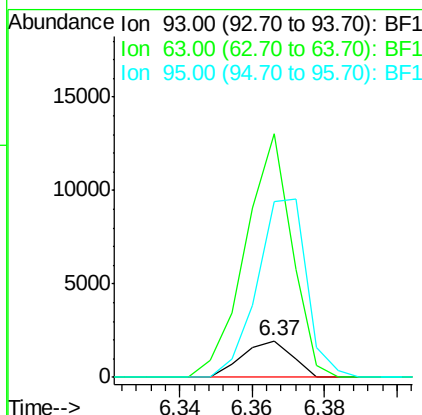
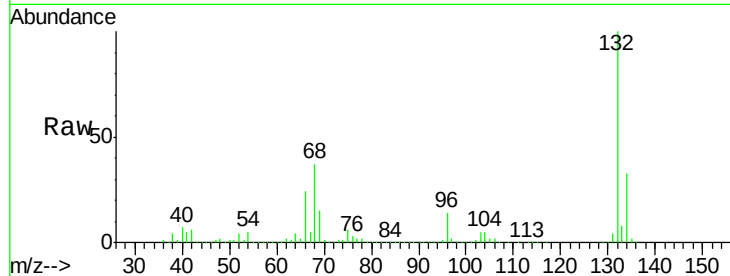
#11
bis(2-Chloroethyl)ether
Concen: 0.137 ng
RT: 6.37 min Scan# 753
Delta R.T. 0.02 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Lower	Upper
93	100		
63	667.9	51.5	91.5#
95	482.1	13.4	53.4#

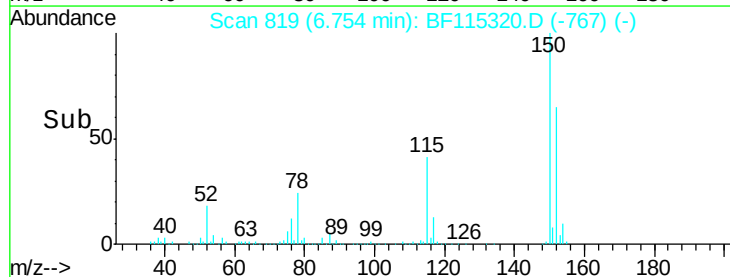
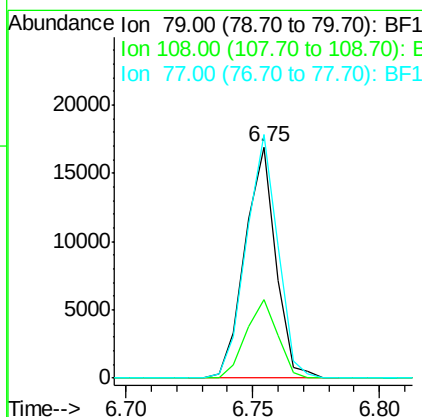
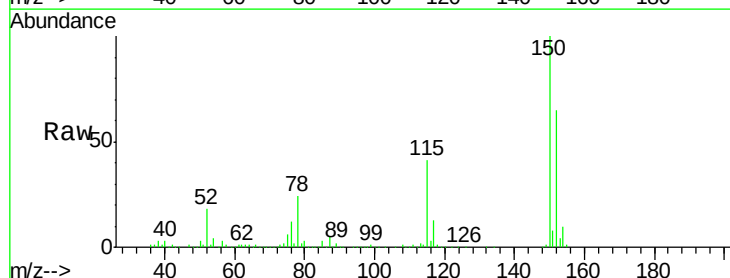
Manual Integrations
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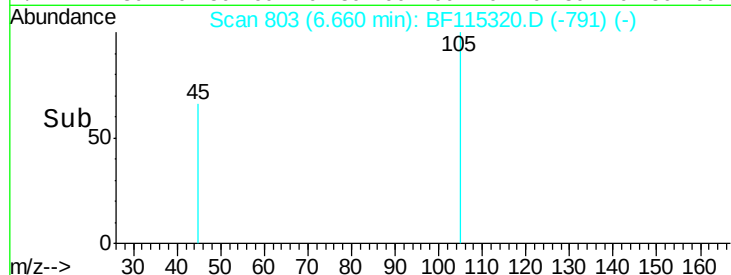
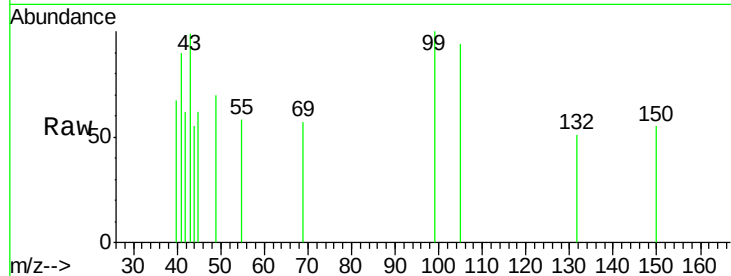
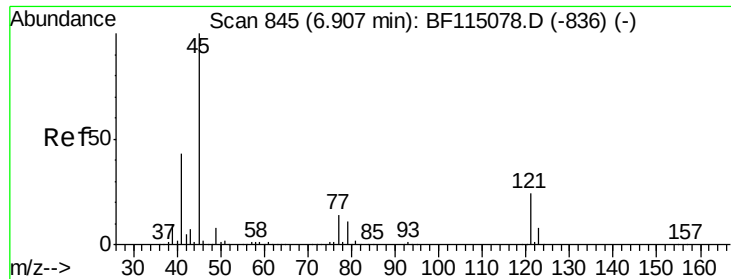
mohammad
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#15
Benzyl Alcohol
Concen: 1.260 ng
RT: 6.75 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
79	100		
108	33.8	68.7	103.1#
77	105.4	51.7	77.5#





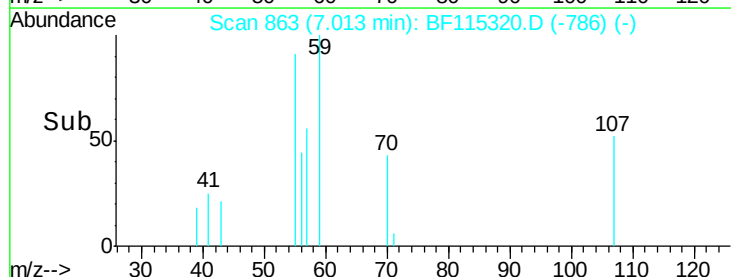
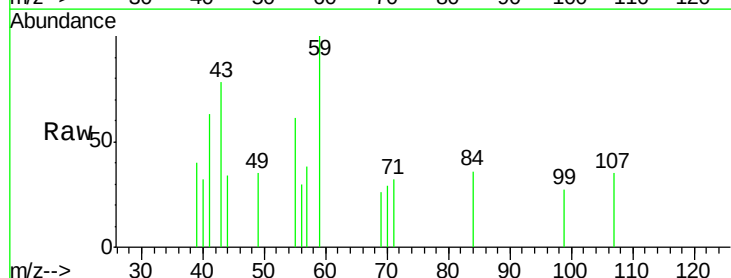
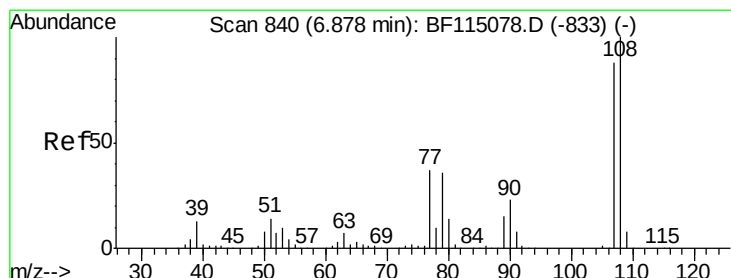
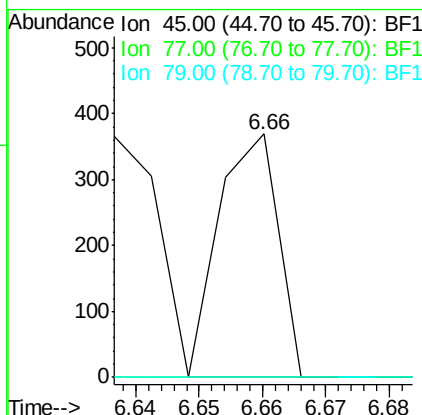
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.012 ng
RT: 6.66 min Scan# 803
Delta R.T. -0.23 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

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

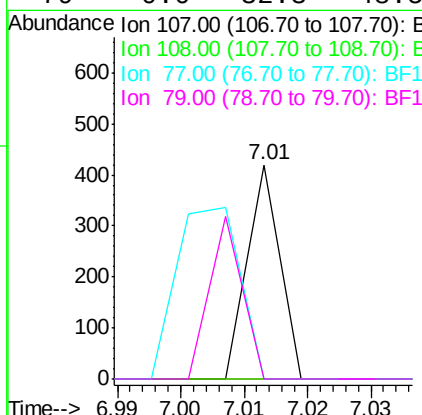
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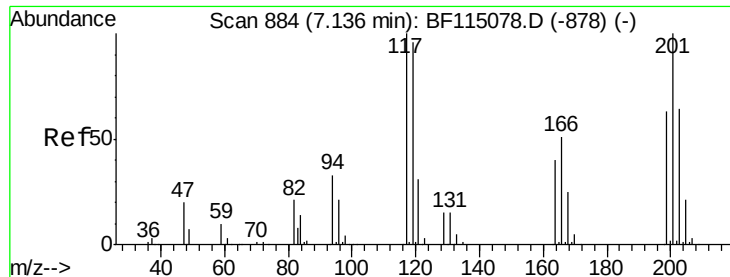
mohammad
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#17
2-Methylphenol
Concen: 0.012 ng
RT: 7.01 min Scan# 863
Delta R.T. 0.15 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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#





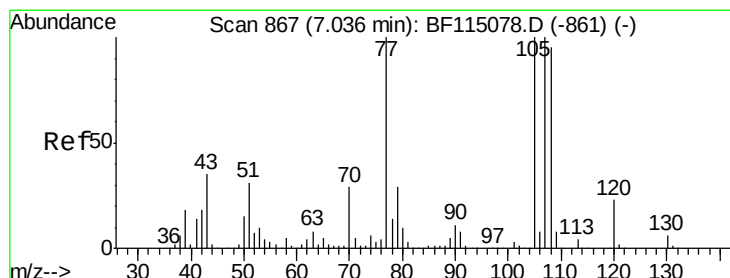
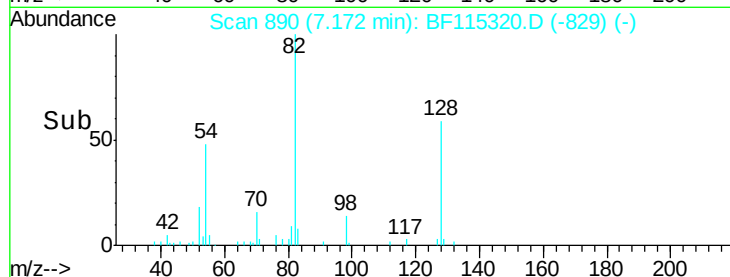
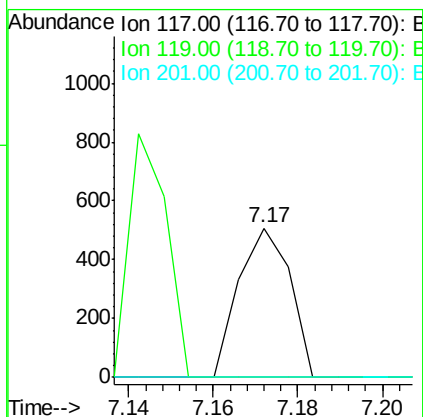
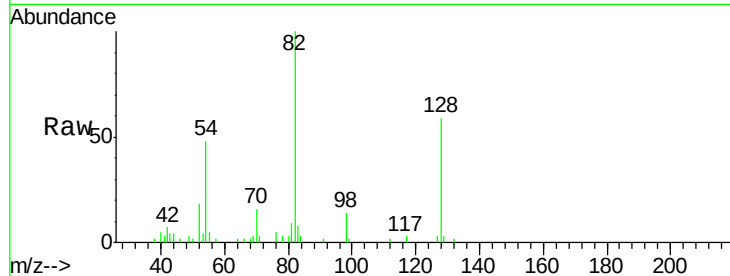
#18
Hexachloroethane
Concen: 0.074 ng
RT: 7.17 min Scan# 890
Delta R.T. 0.06 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion:117 Resp: 429
Ion Ratio Lower Upper
117 100
119 0.0 76.6 114.8#
201 0.0 80.2 120.2#

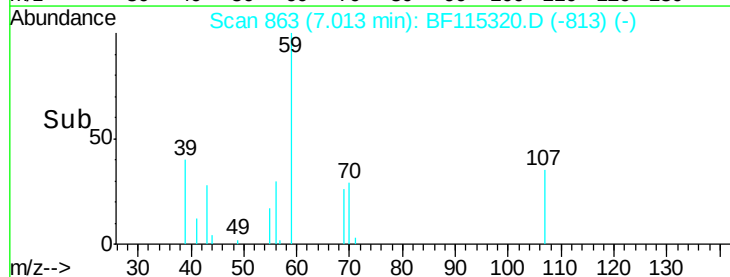
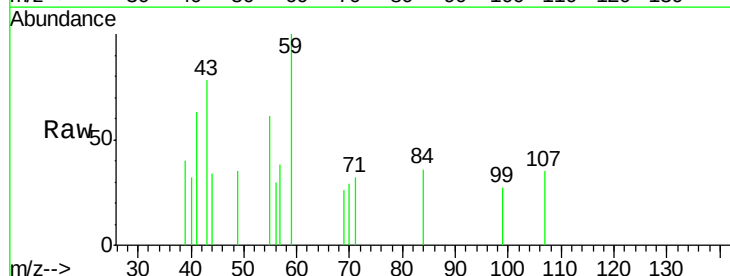
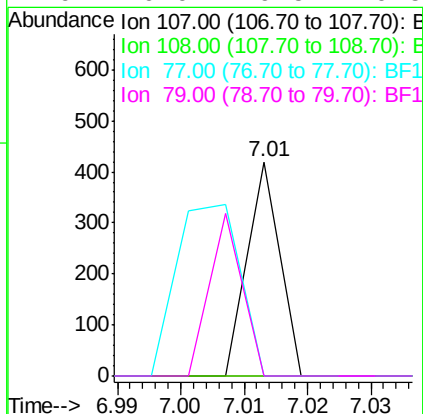
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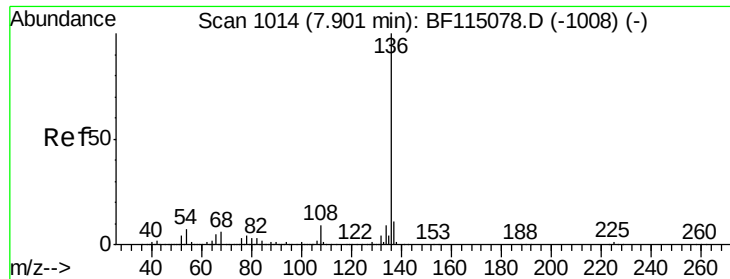
mohammad
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#20
3+4-Methylphenols
Concen: 0.011 ng
RT: 7.01 min Scan# 863
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:107 Resp: 148
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#





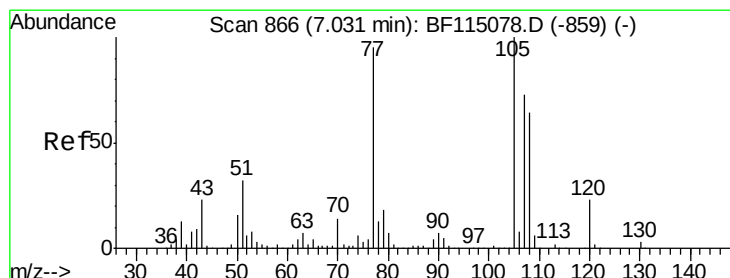
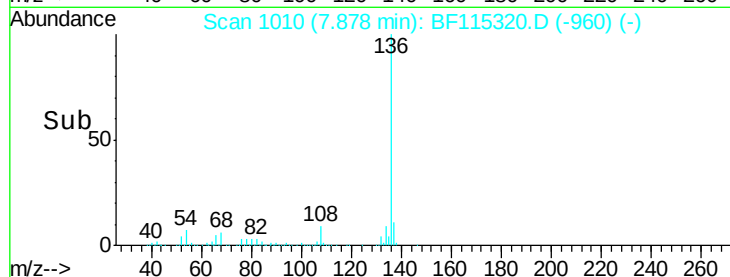
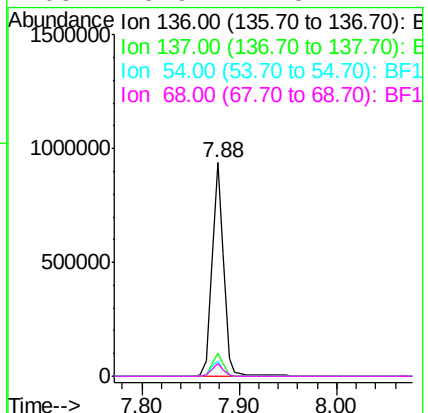
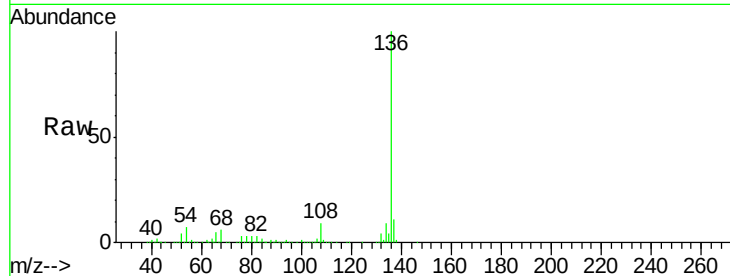
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.88 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	770332		
137	11.1		8.9	13.3
54	6.9		5.6	8.4
68	5.9		4.8	7.2

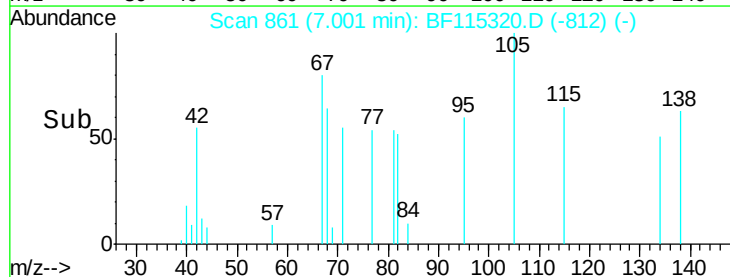
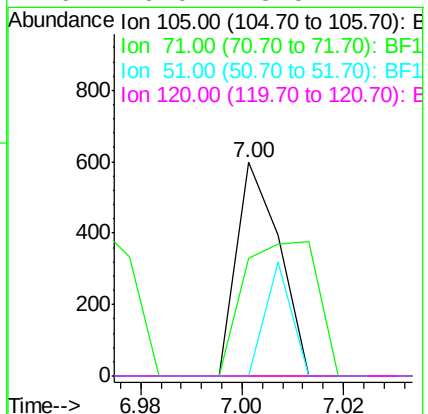
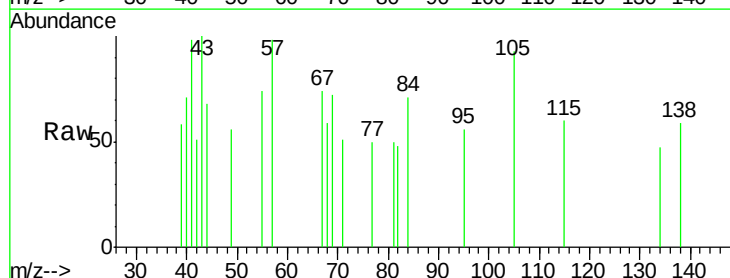
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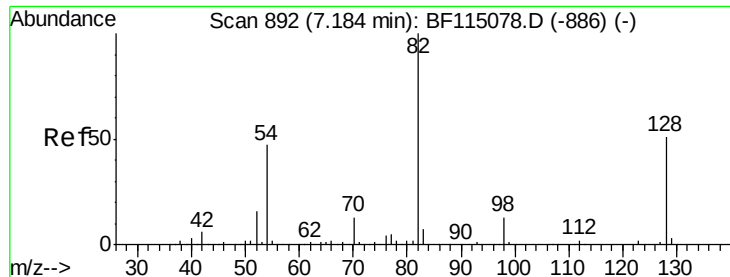
mohammad
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#22
Acetophenone
Concen: 0.020 ng
RT: 7.00 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	350		
71	55.2		1.9	2.9#
51	0.0		25.8	38.8#
120	0.0		18.5	27.7#





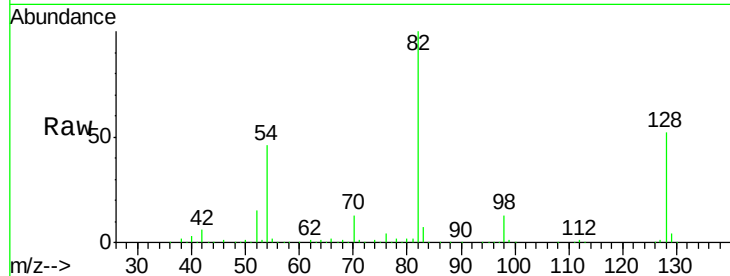
#23
 Nitrobenzene-d5
 Concen: 66.782 ng
 RT: 7.16 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

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

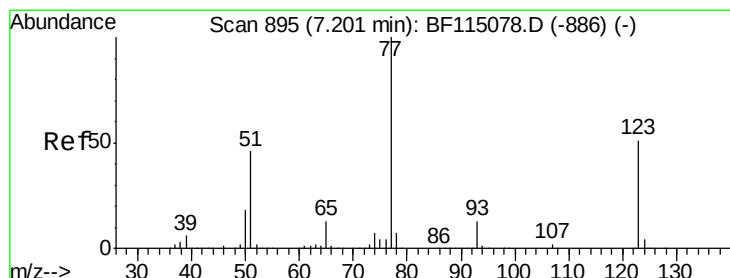
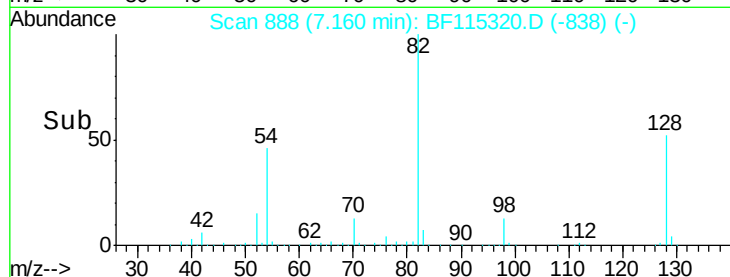
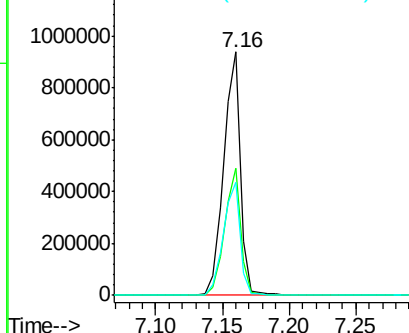
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	836289		
128	52.3		40.4	60.6
54	46.3		37.5	56.3

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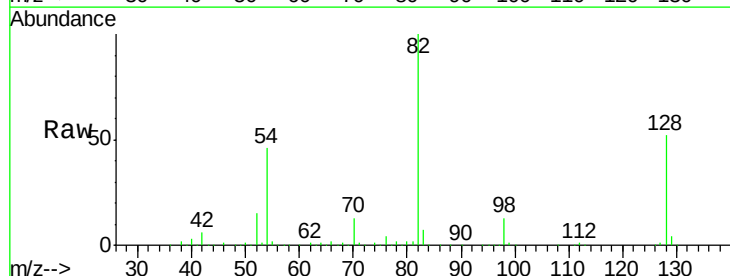


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

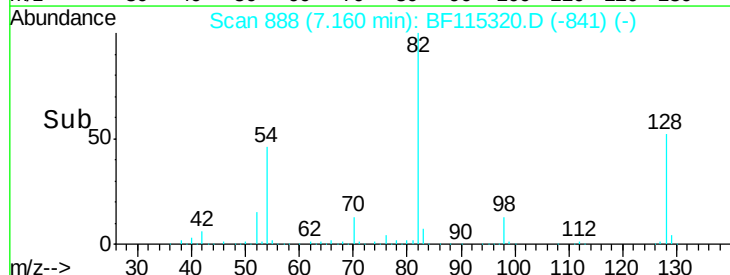
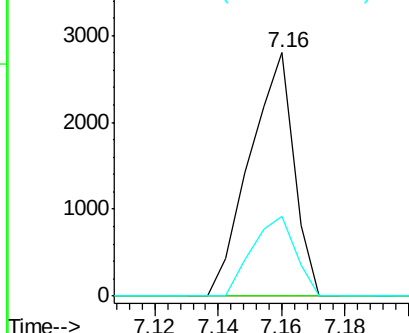


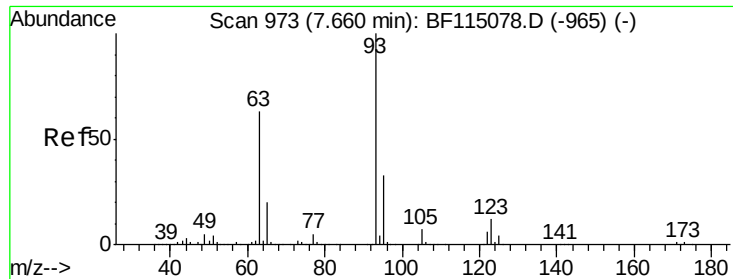
#24
 Nitrobenzene
 Concen: 0.196 ng
 RT: 7.16 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	2702		
123	0.0		41.0	61.6#
65	33.0		10.5	15.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#28

bis(2-Chloroethoxy)methane

Concen: 0.023 ng

RT: 7.88 min Scan# 1011

Delta R.T. 0.24 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

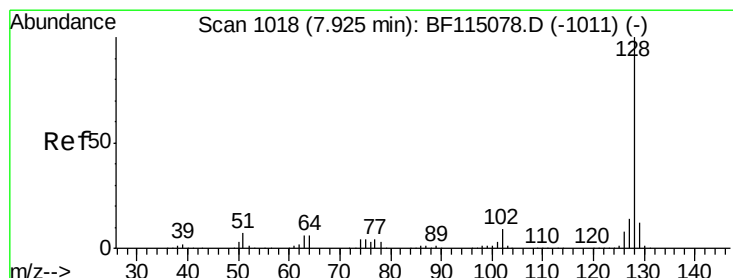
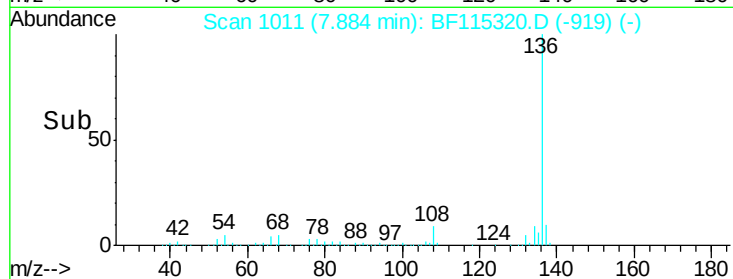
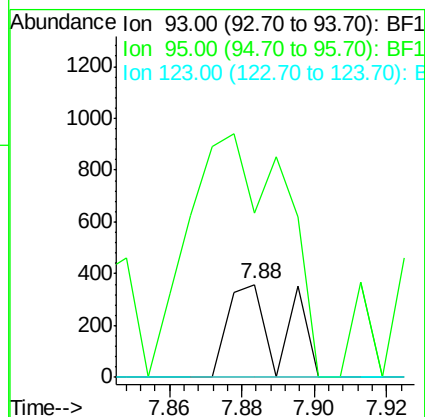
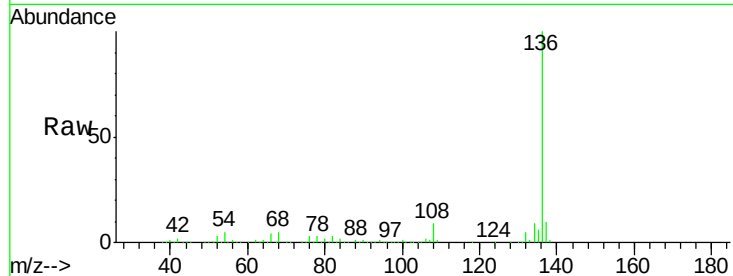
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	93	Resp:	366
Ion	Ratio	Lower	Upper
93	100		
95	176.8	26.2	39.4#
123	0.0	9.7	14.5#

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#31

Naphthalene

Concen: 0.883 ng

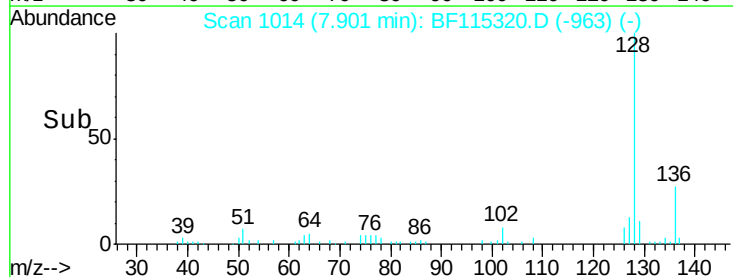
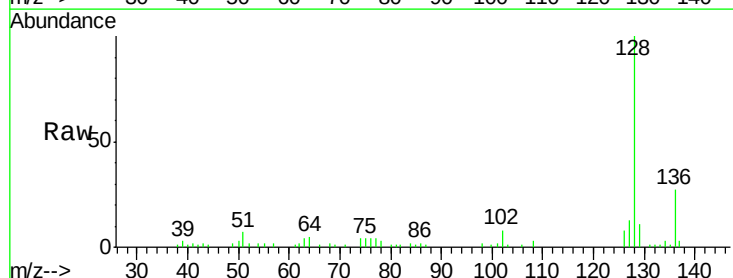
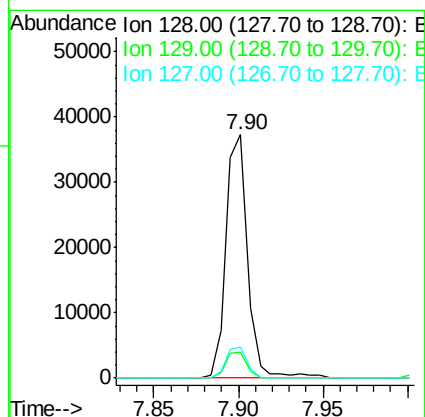
RT: 7.90 min Scan# 1014

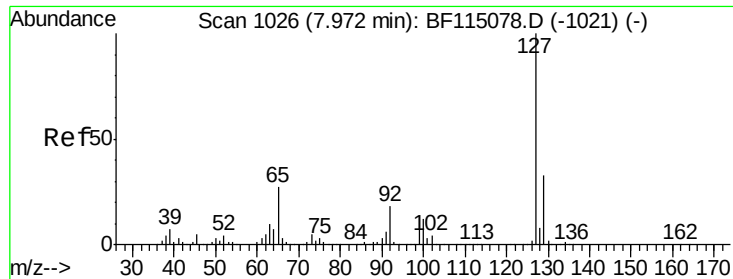
Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	128	Resp:	33386
Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.6	14.4
127	12.9	11.4	17.0





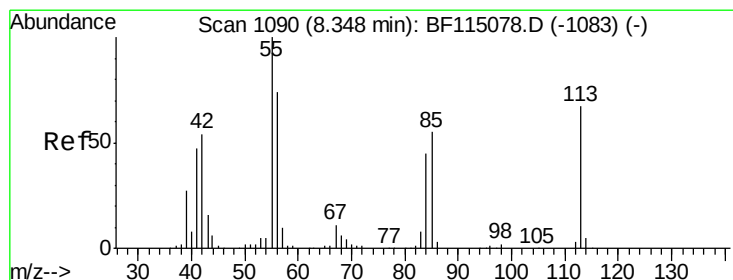
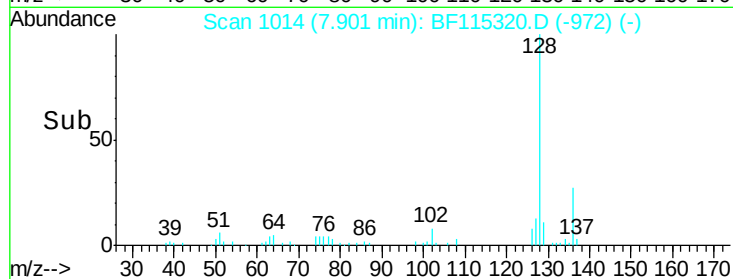
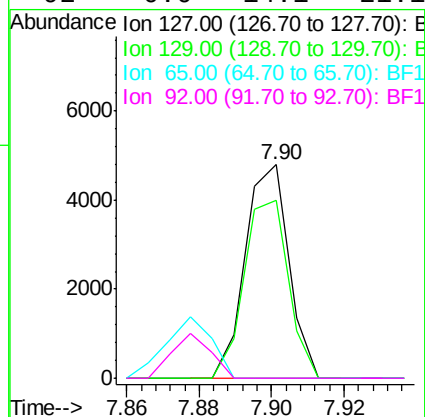
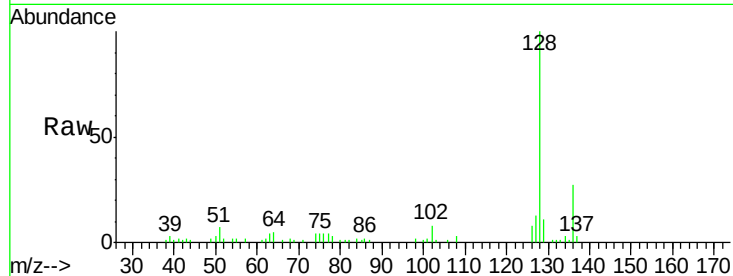
#33
4-Chloroaniline
Concen: 0.233 ng
RT: 7.90 min Scan# 1014
Delta R.T. -0.05 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion:	127	Resp:	4035
Ion Ratio	Lower	Upper	
127	100		
129	83.5	26.1	39.1#
65	0.0	21.4	32.2#
92	0.0	14.1	21.1#

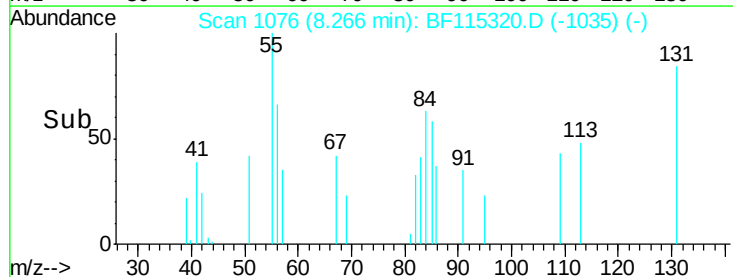
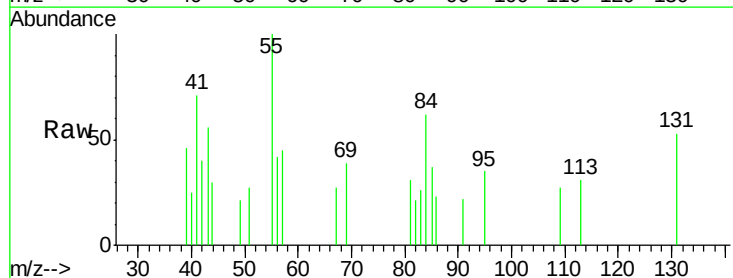
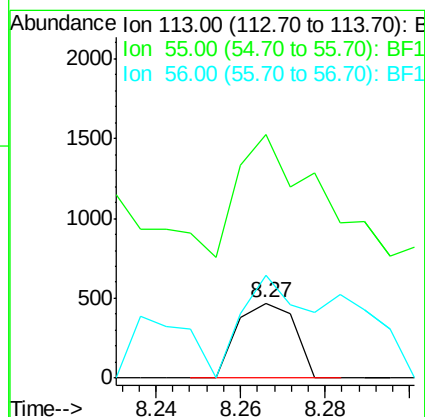
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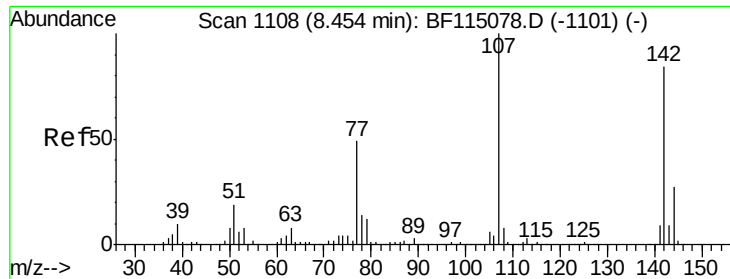
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#35
Caprolactam
Concen: 0.114 ng
RT: 8.27 min Scan# 1076
Delta R.T. -0.06 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:	113	Resp:	440
Ion Ratio	Lower	Upper	
113	100		
55	325.2	130.2	170.2#
56	137.3	91.6	131.6#





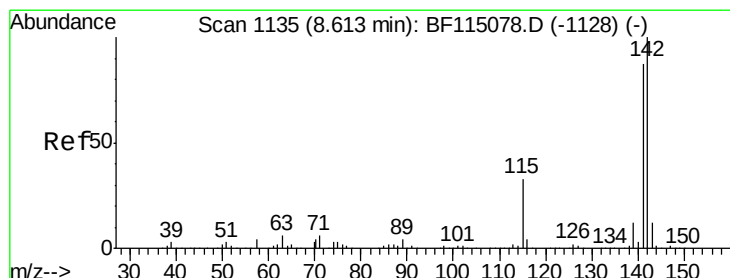
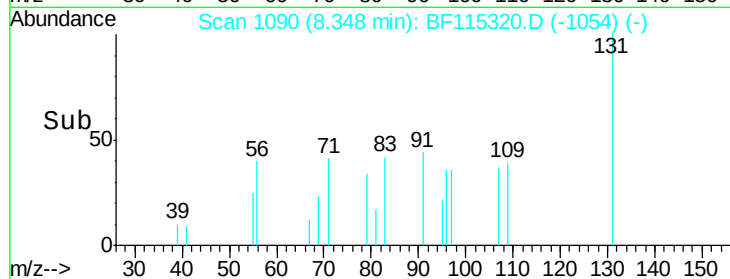
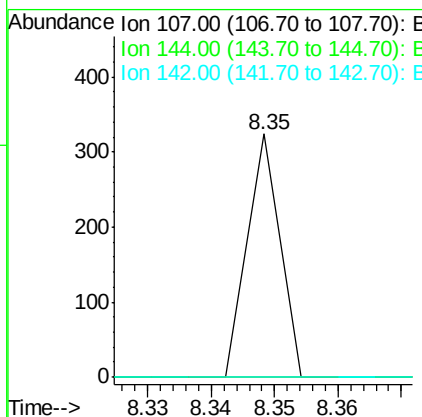
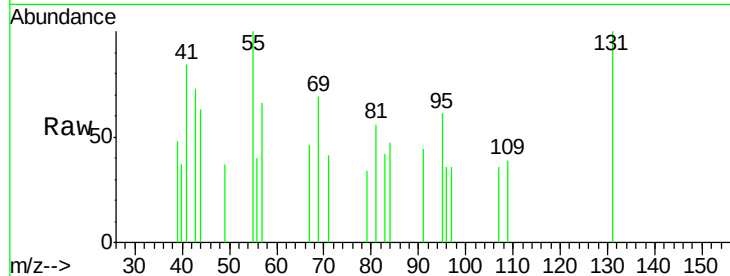
#36
 4-Chloro-3-methylphenol
 Concen: 0.010 ng
 RT: 8.35 min Scan# 1090
 Delta R.T. -0.09 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

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

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

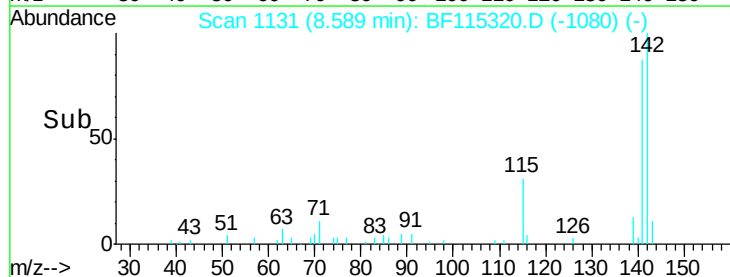
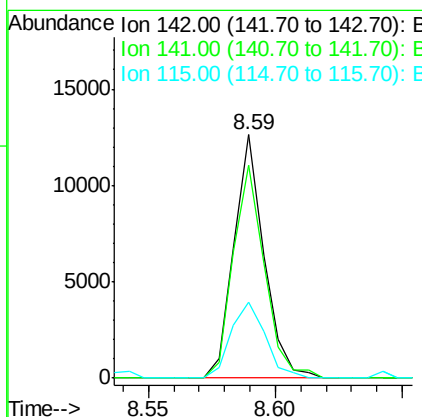
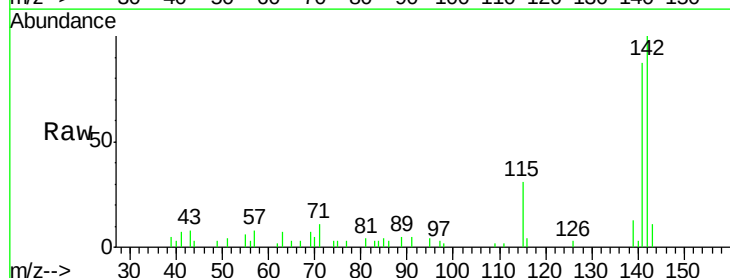
Manual Integrations
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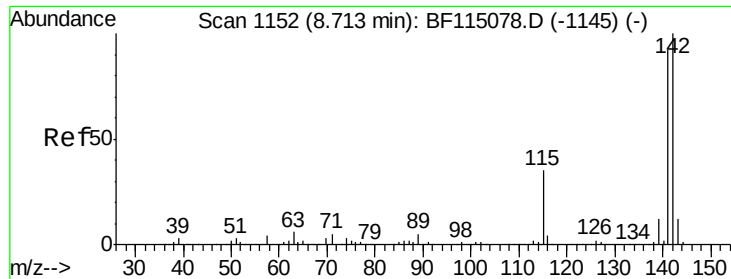
mohammad
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#37
 2-Methylnaphthalene
 Concen: 0.407 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.6
115	31.2	26.7	40.1





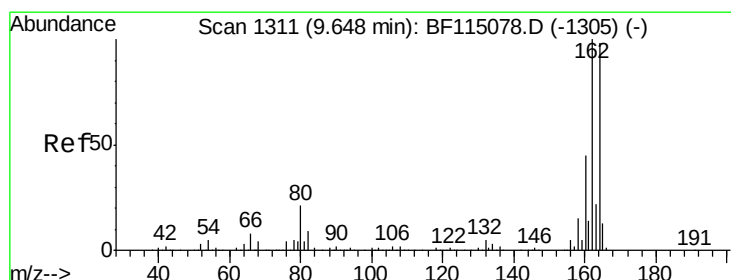
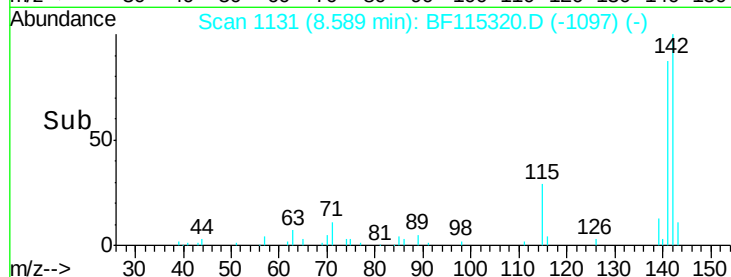
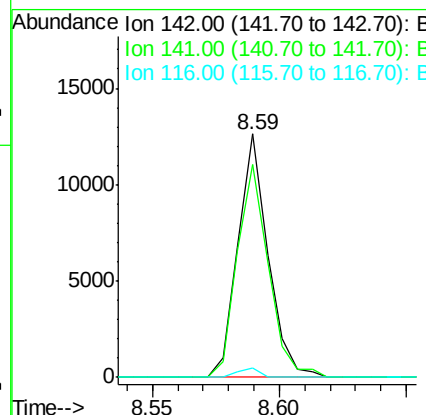
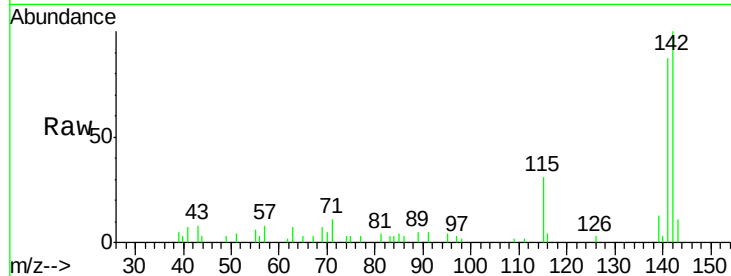
#38
1-Methylnaphthalene
Concen: 0.426 ng
RT: 8.59 min Scan# 1131
Delta R.T. -0.10 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.3	73.8	110.8
116	3.9	2.8	4.2

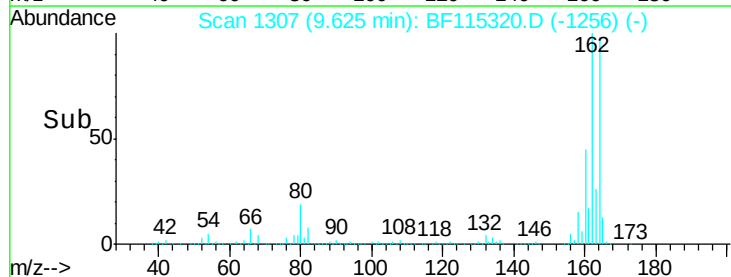
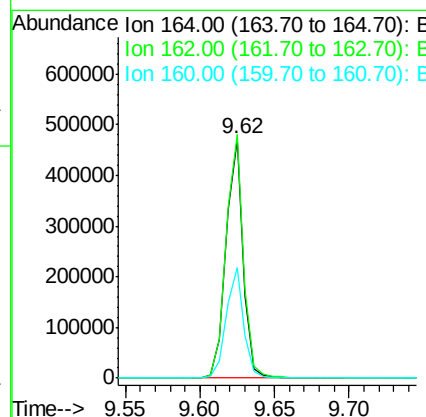
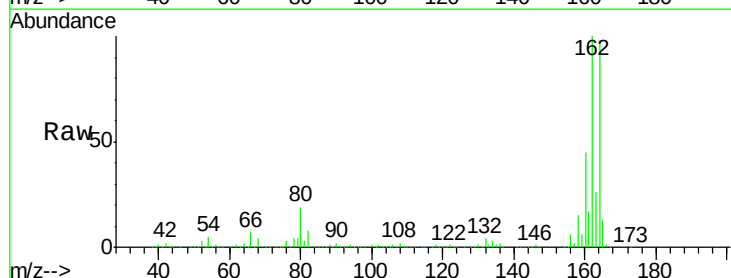
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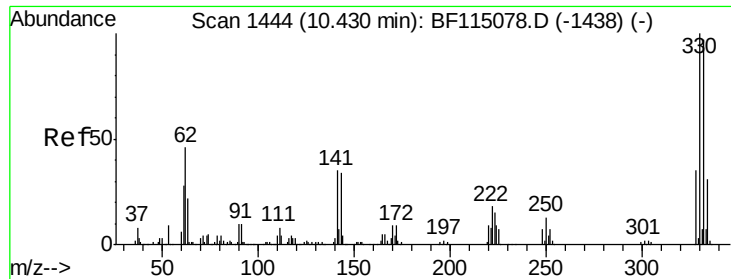
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1307
Delta R.T. 0.00 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.7	122.5
160	46.1	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 101.151 ng

RT: 10.41 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

Tgt Ion:330 Resp: 409022
Ion Ratio Lower Upper

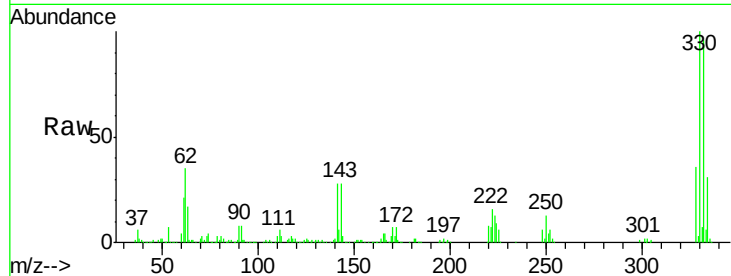
330 100

332 95.1 77.3 115.9

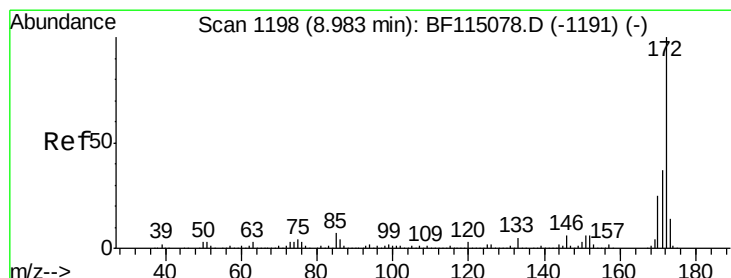
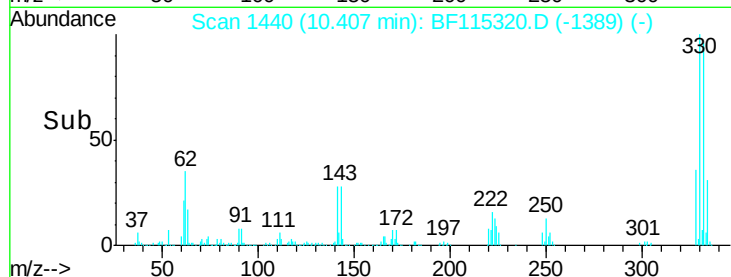
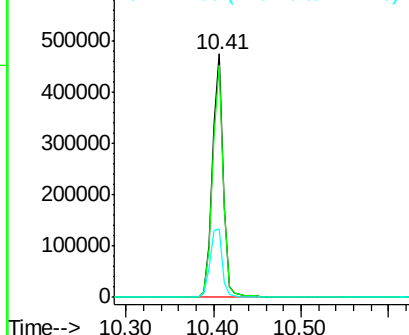
141 32.8 28.2 42.2

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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



#45

2-Fluorobiphenyl

Concen: 70.239 ng

RT: 8.95 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF115320.D

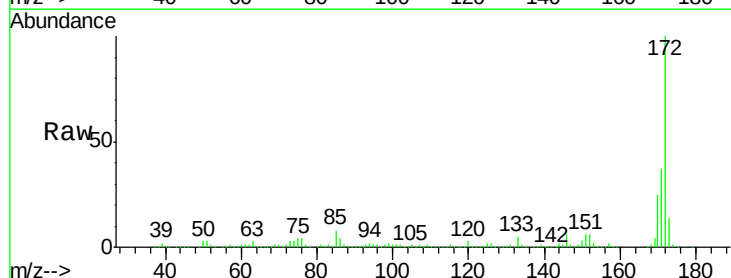
Acq: 29 Jun 2019 14:01

Tgt Ion:172 Resp: 1585602
Ion Ratio Lower Upper

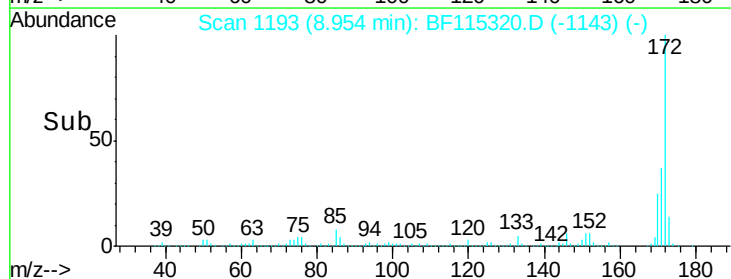
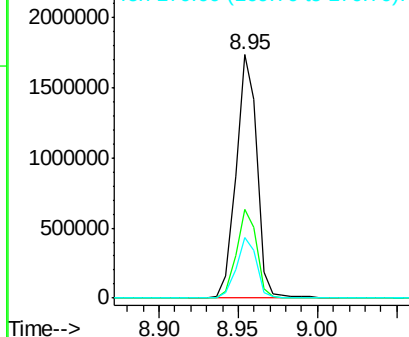
172 100

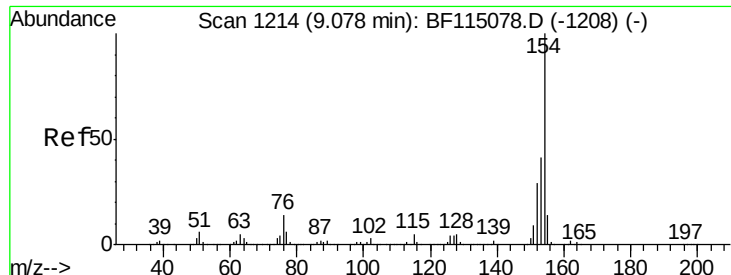
171 36.6 29.8 44.6

170 25.0 20.3 30.5



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





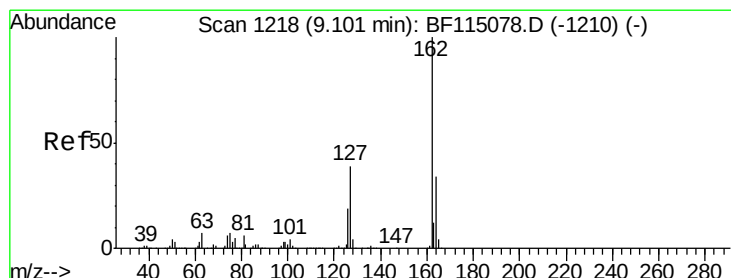
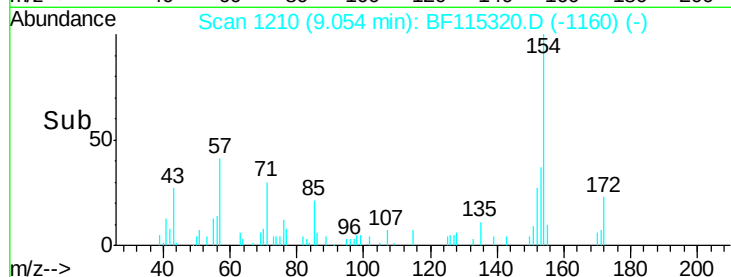
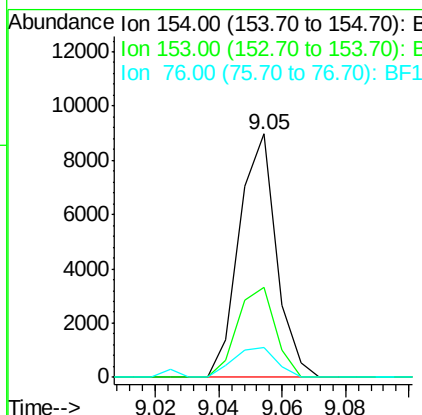
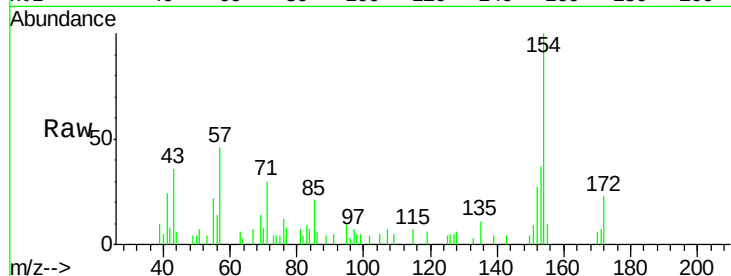
#46
 1,1'-Biphenyl
 Concen: 0.237 ng
 RT: 9.05 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Lower	Upper
154	100		
153	36.9	20.9	60.9
76	12.1	0.0	34.1

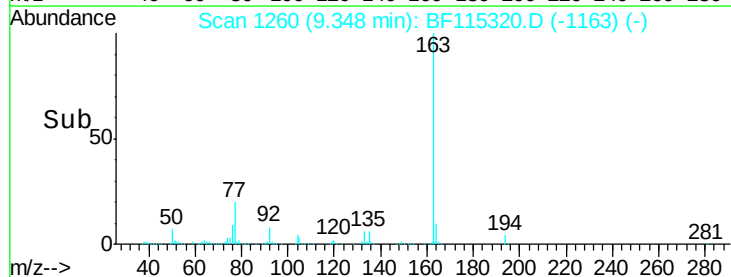
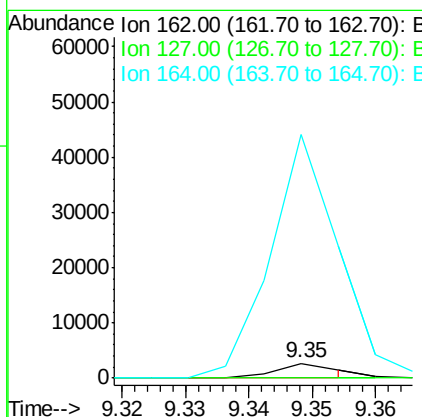
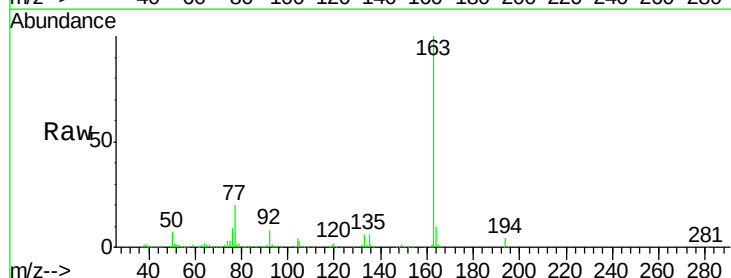
Manual Integrations
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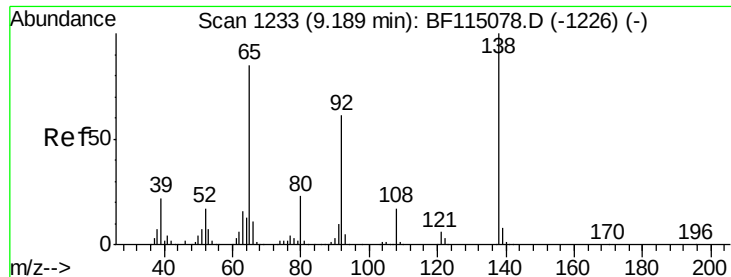
mohammad
 7/1/2019 5:59:04 PM



#47
 2-Chloronaphthalene
 Concen: 0.068 ng
 RT: 9.35 min Scan# 1260
 Delta R.T. 0.27 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
162	100		
127	0.0	30.8	46.2#
164	1668.4	27.0	40.4#





#48

2-Nitroaniline

Concen: 0.015 ng

RT: 9.29 min Scan# 1250

Delta R.T. 0.12 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

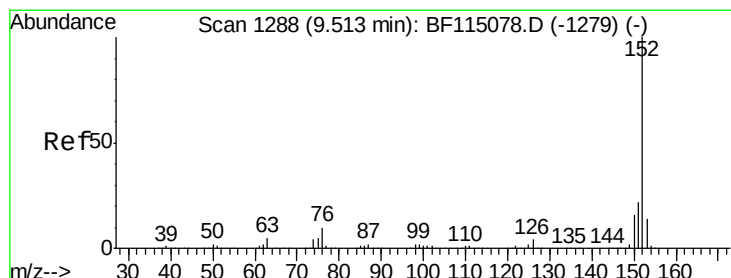
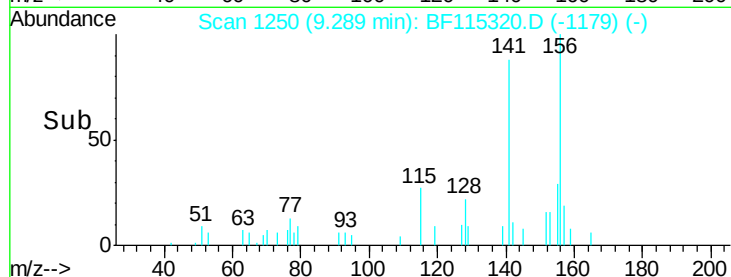
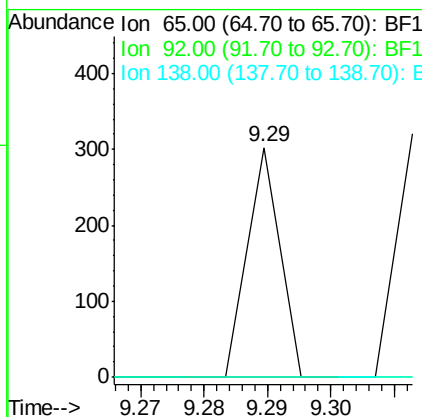
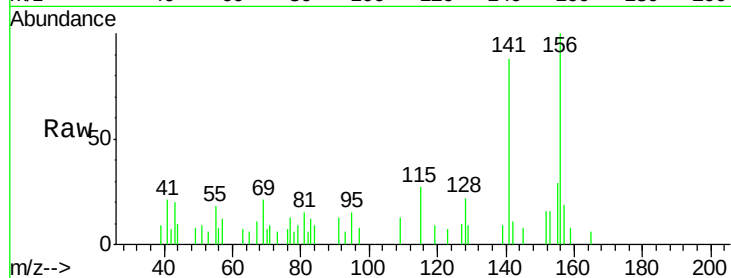
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	65	Resp:	107
Ion Ratio	Lower	Upper	
65	100		
92	0.0	57.4	86.2#
138	0.0	94.1	141.1#

Manual Integrations
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#49

Acenaphthylene

Concen: 0.235 ng

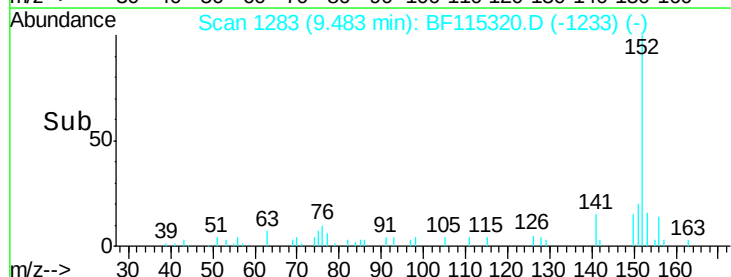
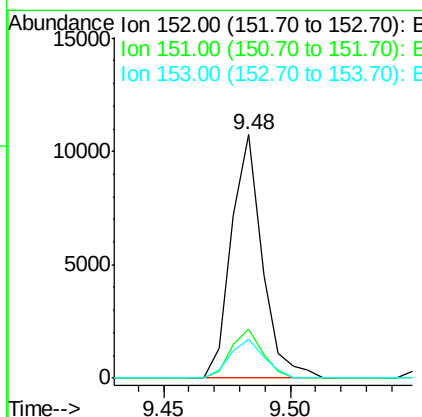
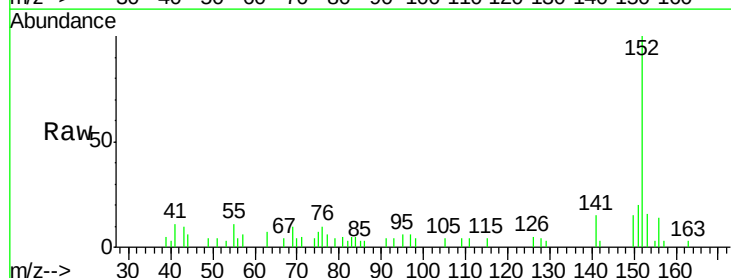
RT: 9.48 min Scan# 1283

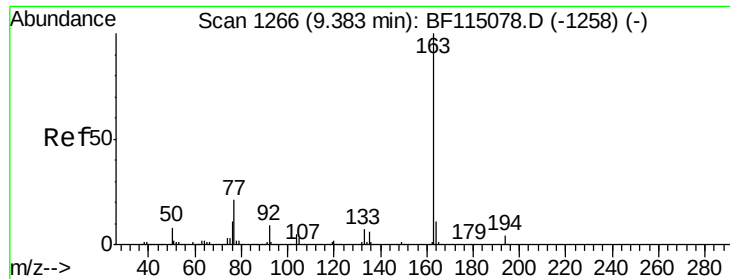
Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	152	Resp:	9102
Ion Ratio	Lower	Upper	
152	100		
151	20.0	17.2	25.8
153	15.9	11.0	16.6





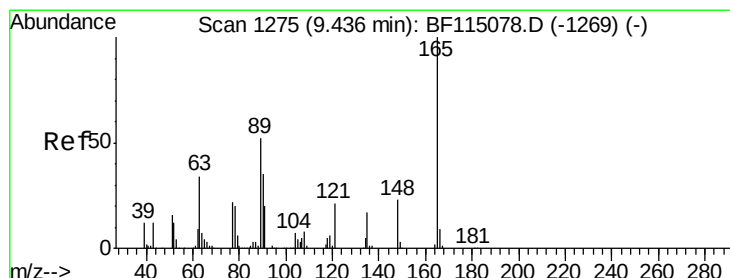
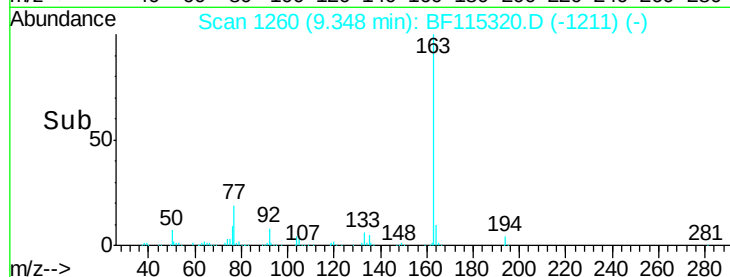
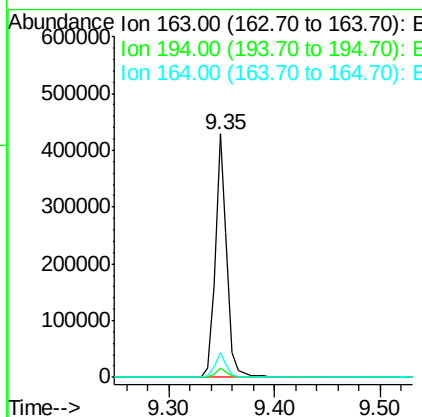
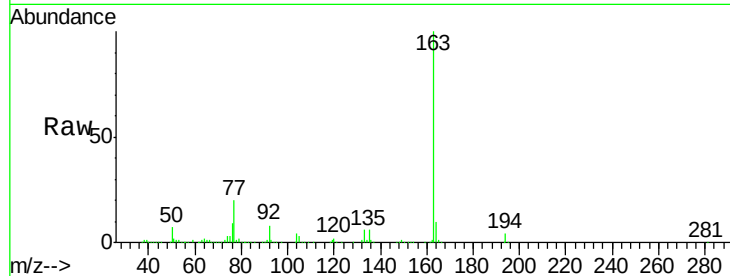
#50
Dimethylphthalate
Concen: 11.805 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	333051		
194	4.1		3.2	4.8
164	10.3		8.6	13.0

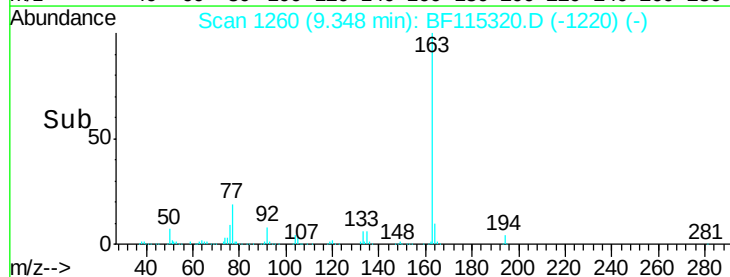
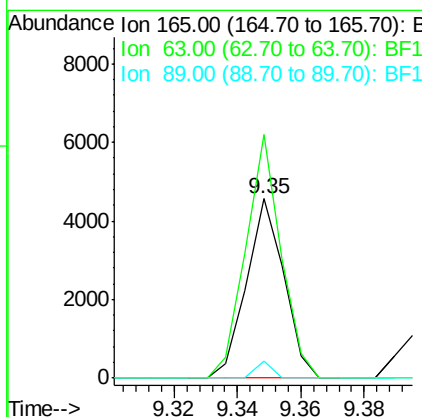
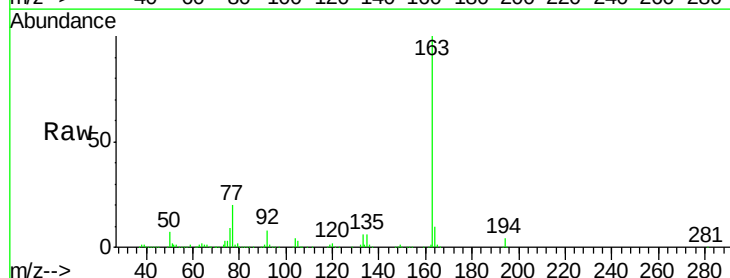
Manual Integrations
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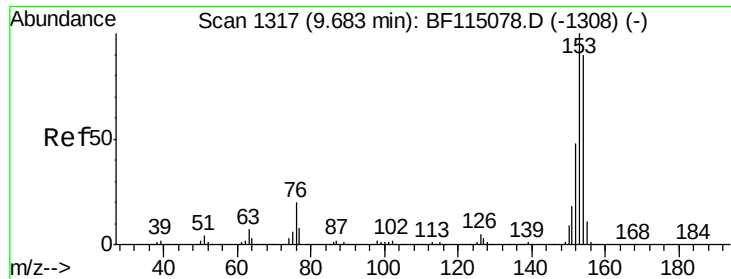
mohammad
7/1/2019 5:59:04 PM



#51
2,6-Dinitrotoluene
Concen: 0.575 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.06 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	3742		
63	136.0		39.4	59.2#
89	9.8		42.0	63.0#





#52

Acenaphthene

Concen: 1.449 ng

RT: 9.65 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

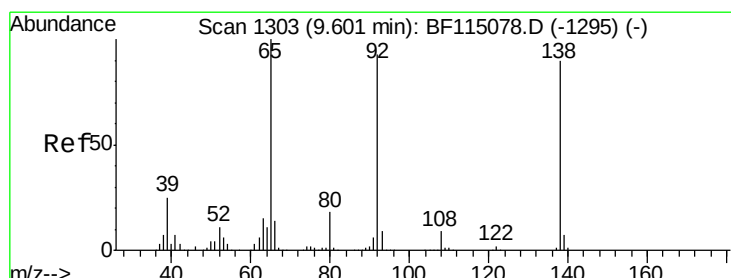
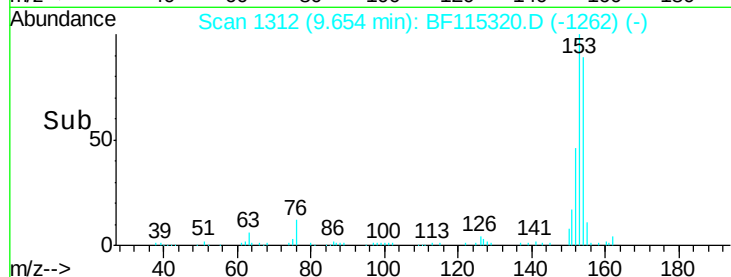
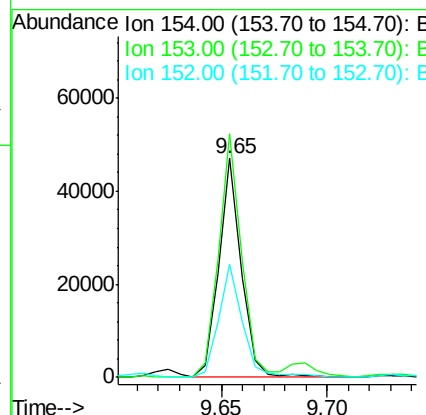
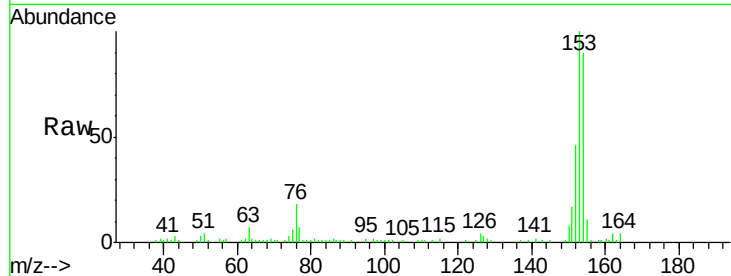
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	154	Resp:	35160
Ion Ratio	Lower	Upper	
154	100		
153	111.2	88.7	133.1
152	51.7	42.6	64.0

Manual Integrations
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#53

3-Nitroaniline

Concen: 0.066 ng

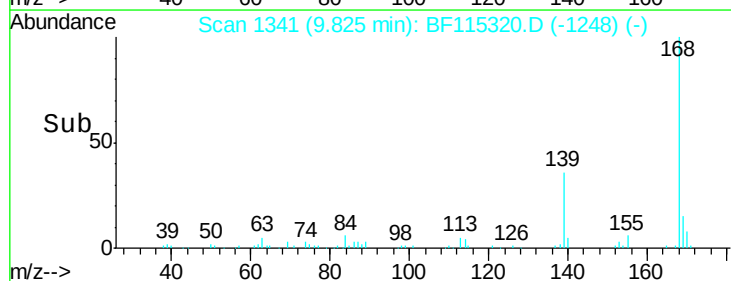
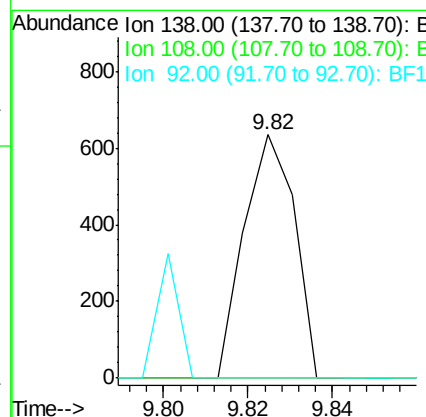
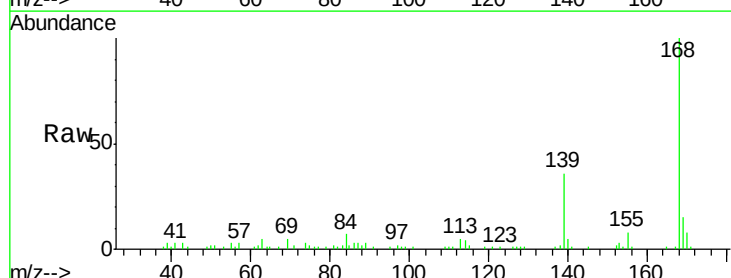
RT: 9.82 min Scan# 1341

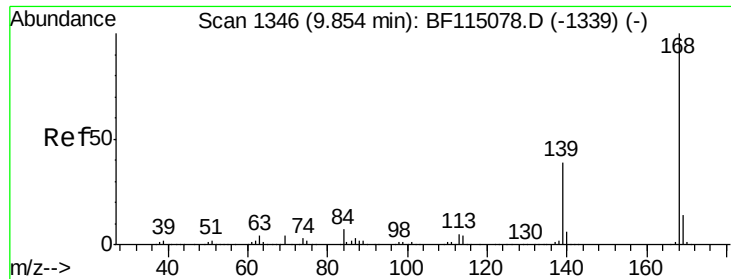
Delta R.T. 0.25 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	138	Resp:	526
Ion Ratio	Lower	Upper	
138	100		
108	0.0	7.8	11.6#
92	0.0	82.9	124.3#





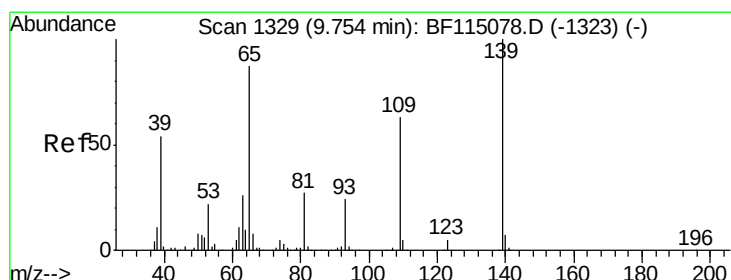
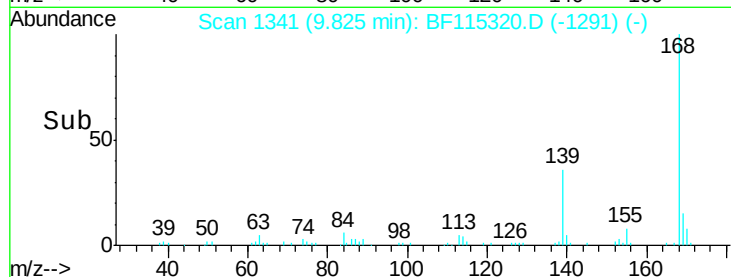
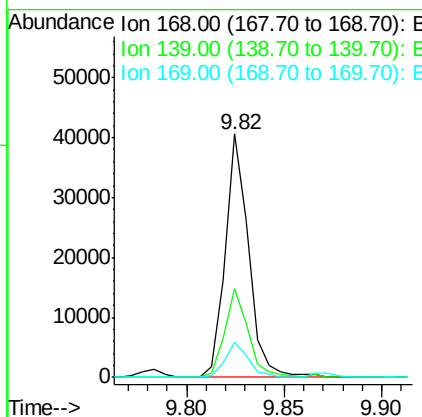
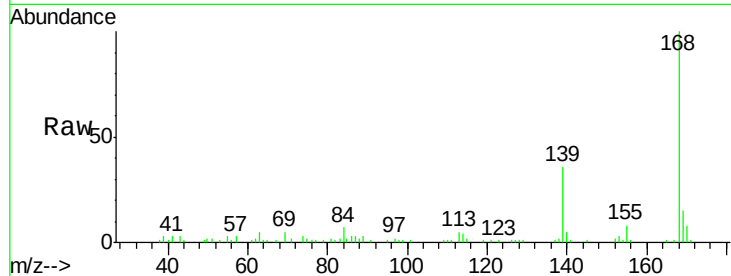
#55
Dibenzofuran
Concen: 0.967 ng
RT: 9.82 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	33682		
139	36.3		31.1	46.7
169	14.6		11.3	16.9

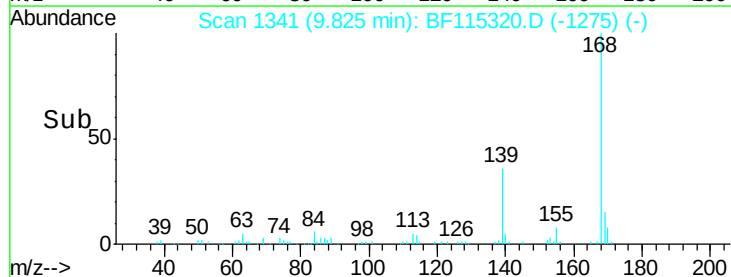
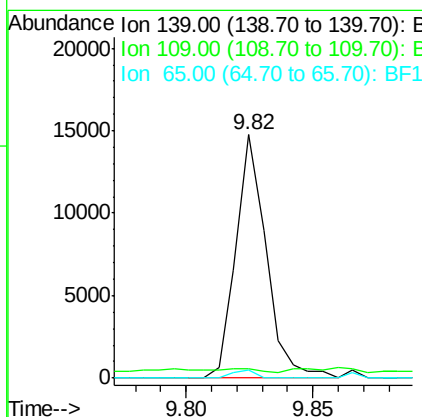
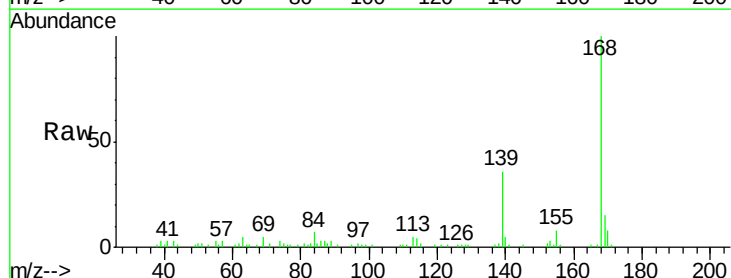
Manual Integrations
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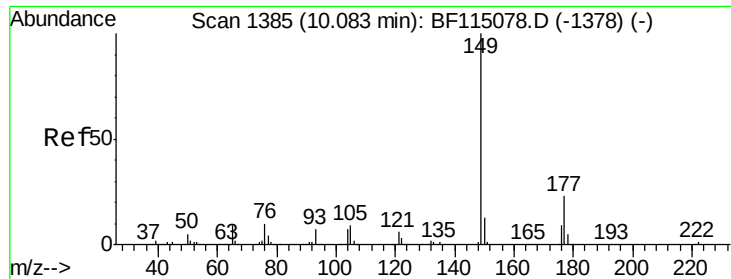
mohammad
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#56
4-Nitrophenol
Concen: 1.932 ng
RT: 9.82 min Scan# 1341
Delta R.T. 0.09 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	12309		
109	4.1		43.0	83.0#
65	3.3		67.0	107.0#





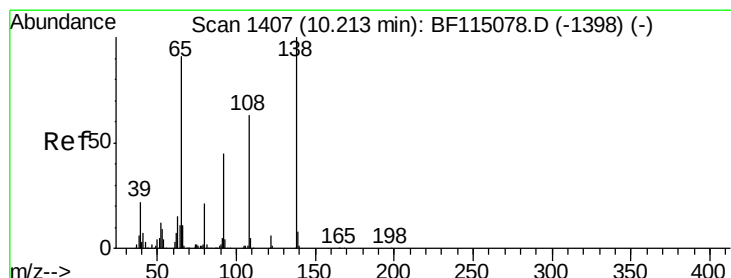
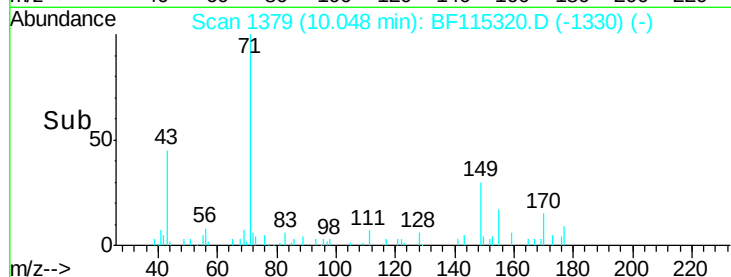
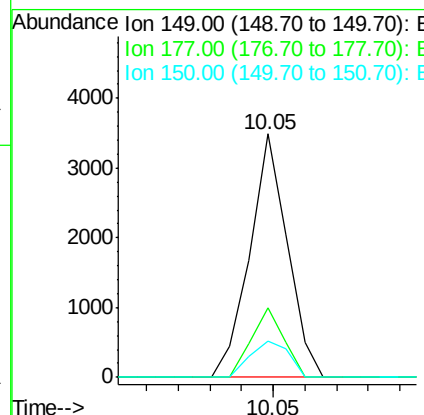
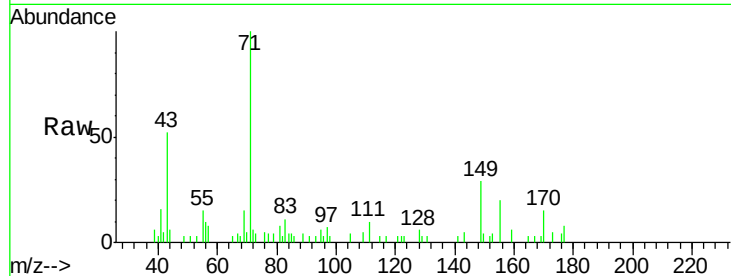
#60
Diethylphthalate
Concen: 0.102 ng
RT: 10.05 min Scan# 1379
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Lower	Upper
149	100		
177	28.3	18.7	28.1#
150	14.9	10.4	15.6

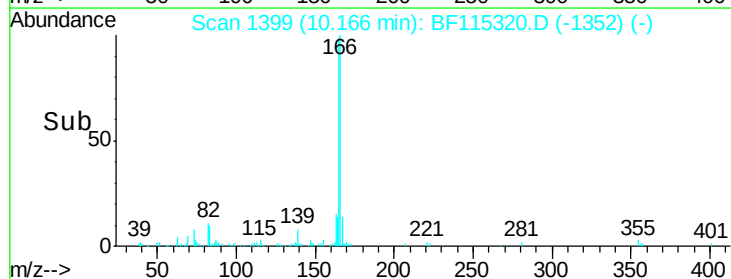
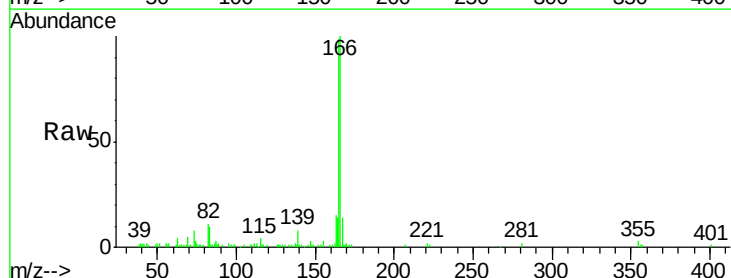
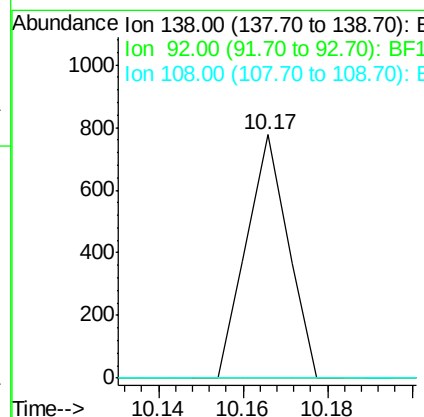
Manual Integrations
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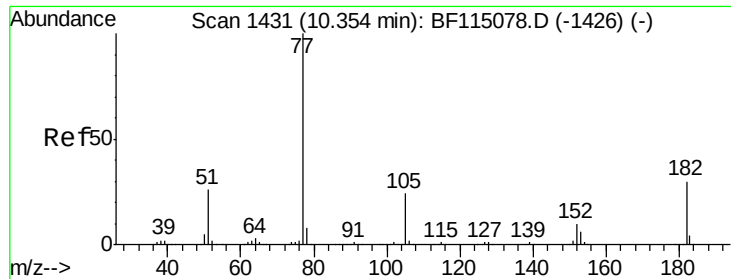
mohammad
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#62
4-Nitroaniline
Concen: 0.067 ng
RT: 10.17 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	24.8	64.8#
108	0.0	43.3	83.3#





#63

Azobenzene

Concen: 0.030 ng

RT: 10.33 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A

Tgt Ion: 77 Resp: 806

Ion Ratio Lower Upper

77 100

182 601.5 10.1 50.1#

105 59.1 4.5 44.5#

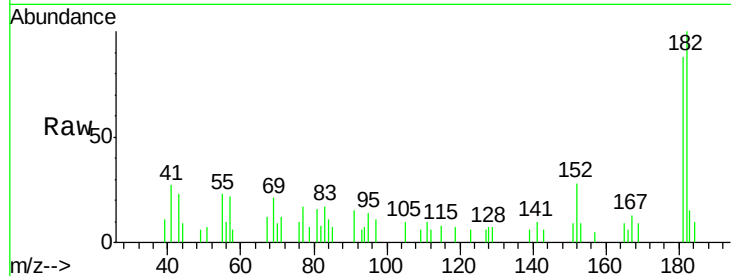
51 41.0 6.4 46.4

Manual Integrations

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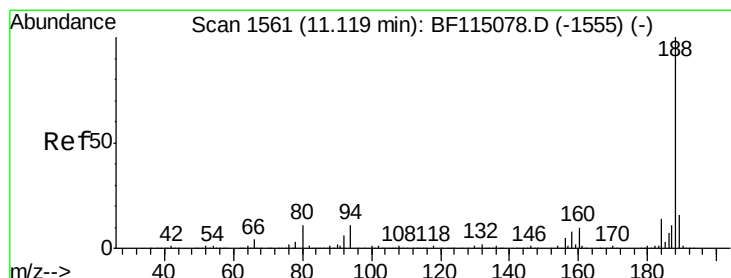
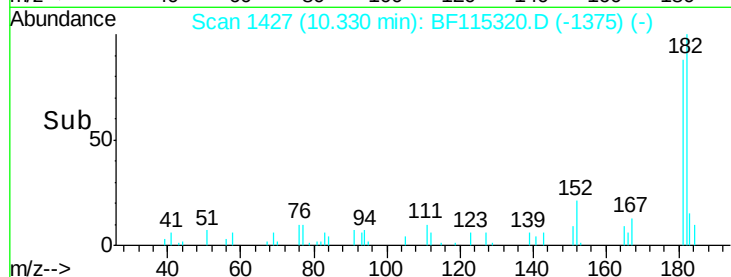
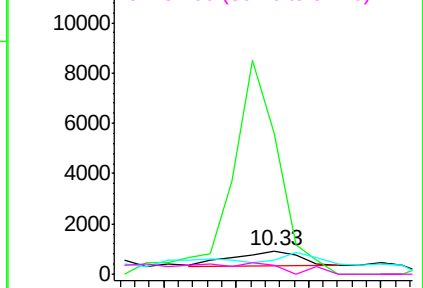


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.10 min Scan# 1557

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

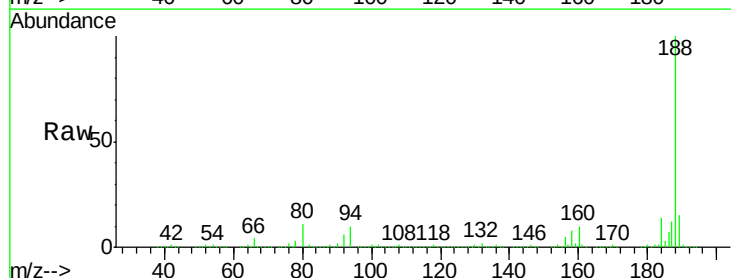
Tgt Ion: 188 Resp: 775367

Ion Ratio Lower Upper

188 100

94 10.3 8.6 12.8

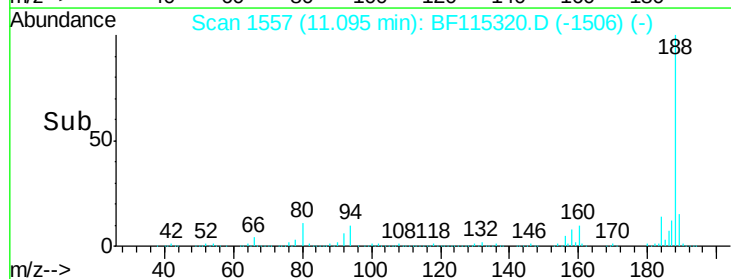
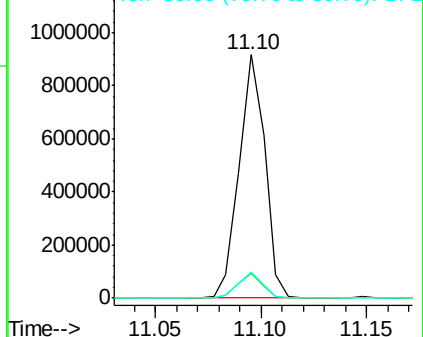
80 10.6 8.8 13.2

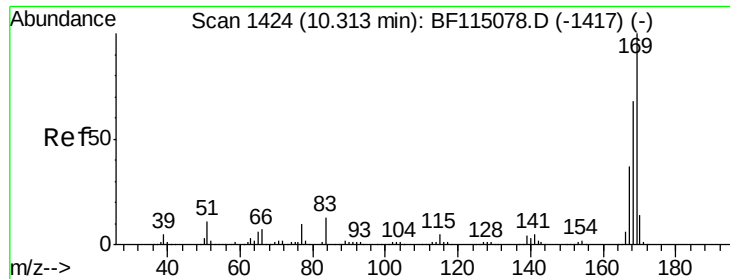


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





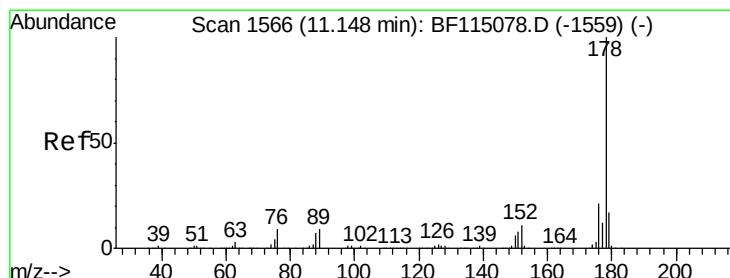
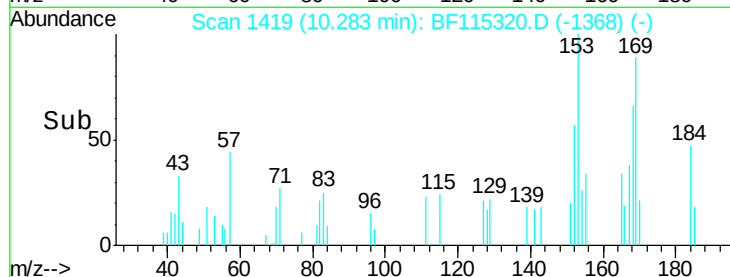
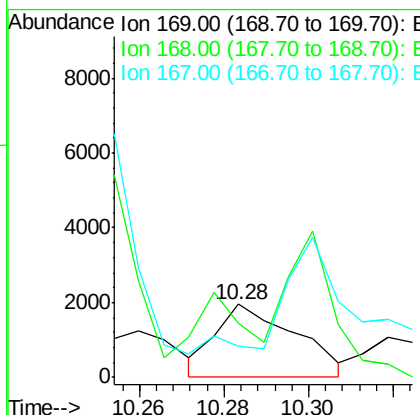
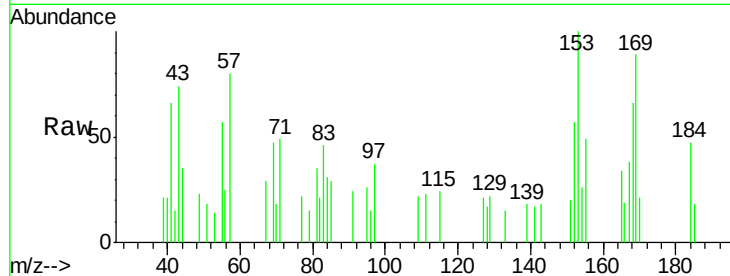
#66
n-Nitrosodiphenylamine
Concen: 0.106 ng
RT: 10.28 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	2552		
168	74.2		54.2	81.4
167	42.3		29.4	44.0

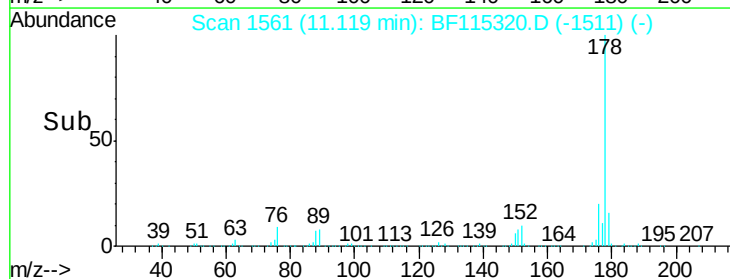
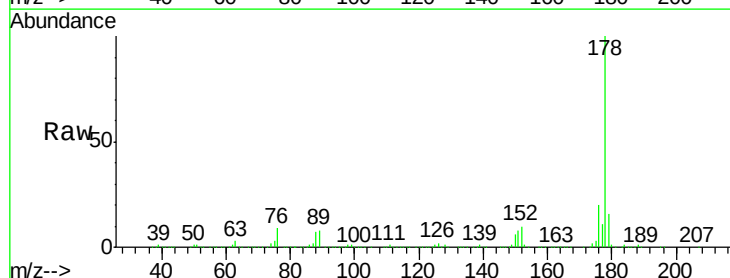
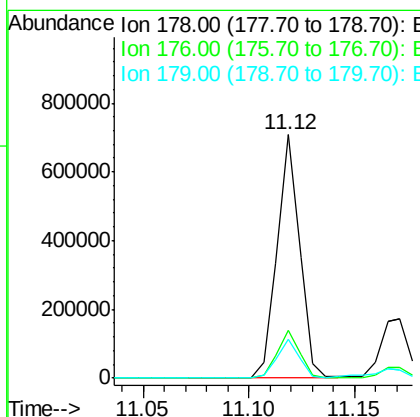
Manual Integrations
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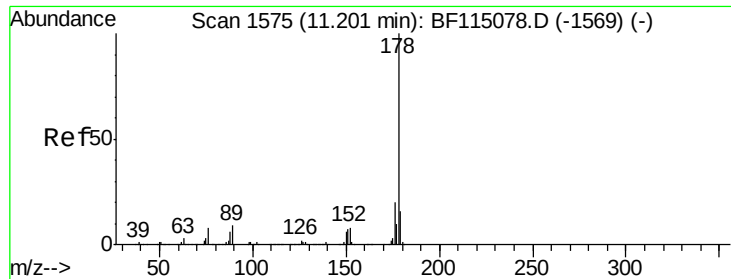
mohammad
7/1/2019 5:59:04 PM



#71
Phenanthrene
Concen: 12.606 ng
RT: 11.12 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	526243		
176	19.6		16.9	25.3
179	15.8		13.2	19.8





#72

Anthracene

Concen: 3.649 ng

RT: 11.17 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

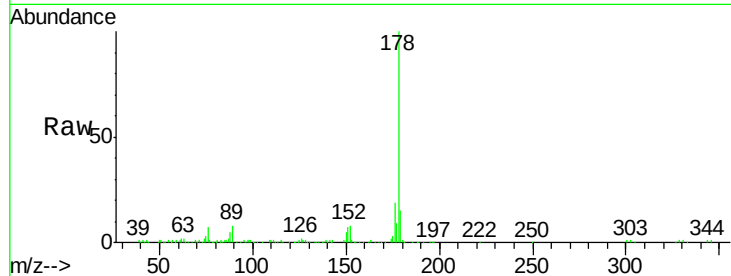
ClientSampleId :

FK-GF-02-044-A

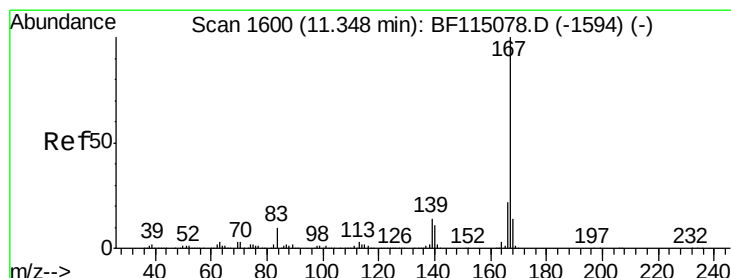
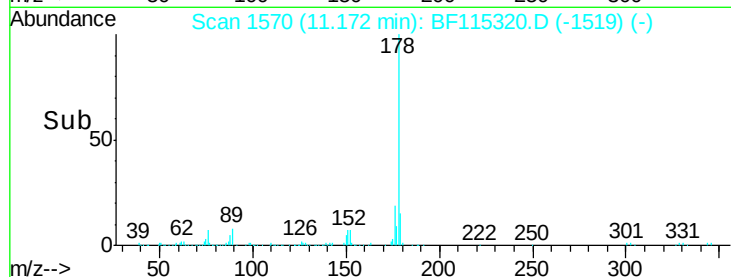
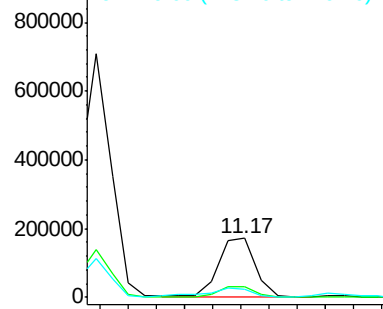
Tgt Ion:	178	Resp:	153759
Ion Ratio	Lower	Upper	
178	100		
176	18.7	16.1	24.1
179	14.7	12.9	19.3

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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: 1.656 ng

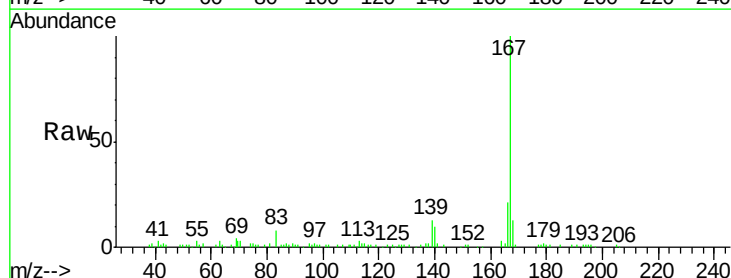
RT: 11.32 min Scan# 1596

Delta R.T. 0.00 min

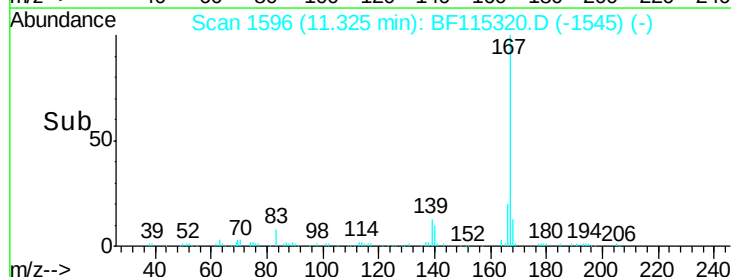
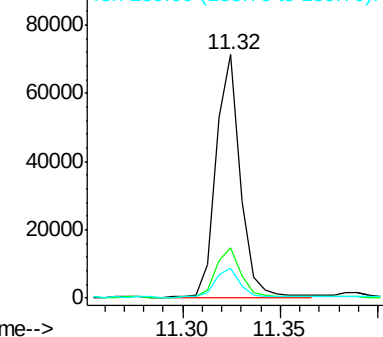
Lab File: BF115320.D

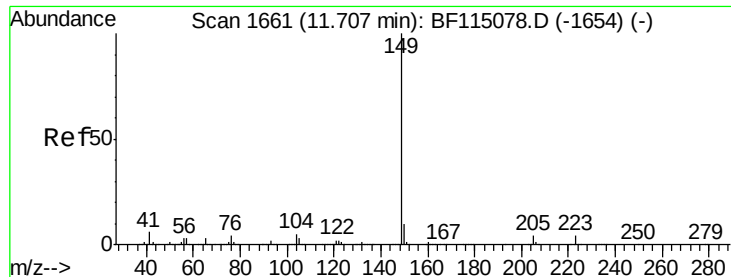
Acq: 29 Jun 2019 14:01

Tgt Ion:	167	Resp:	62300
Ion Ratio	Lower	Upper	
167	100		
166	20.8	18.0	27.0
139	12.5	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: 0.150 ng

RT: 11.67 min Scan# 1655

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

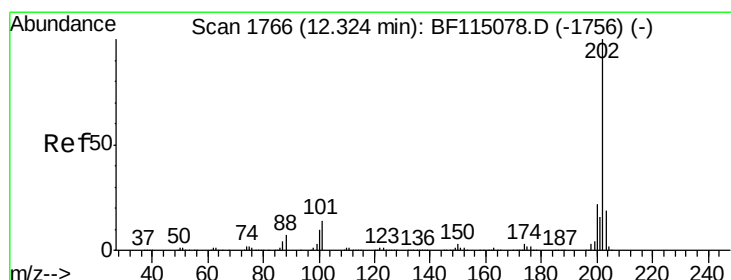
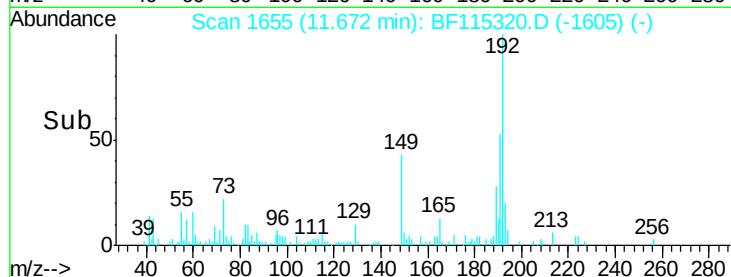
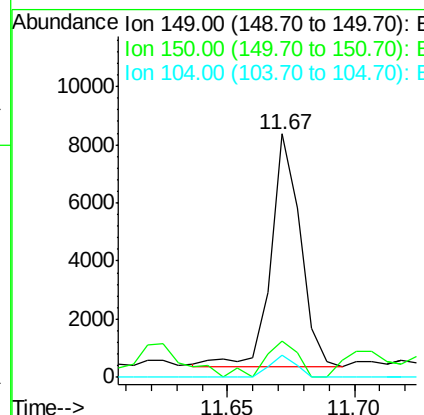
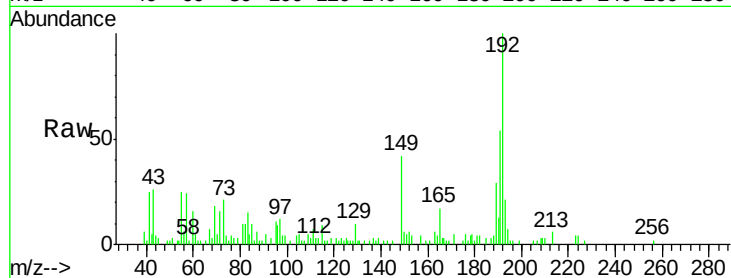
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	149	Resp:	6528
Ion Ratio	Lower	Upper	
149	100		
150	14.7	7.8	11.8#
104	8.8	3.7	5.5#

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#75

Fluoranthene

Concen: 15.420 ng

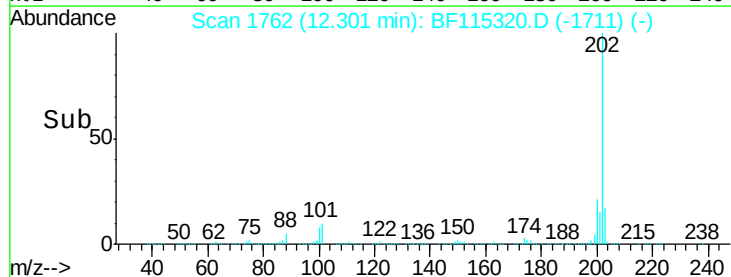
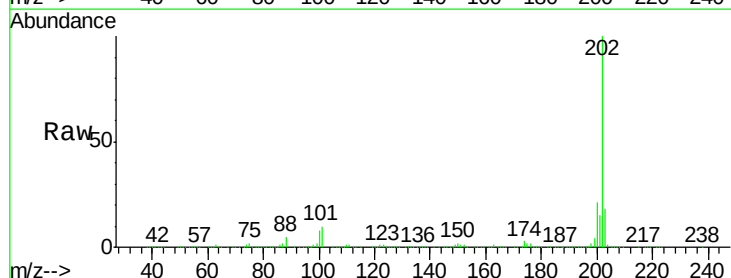
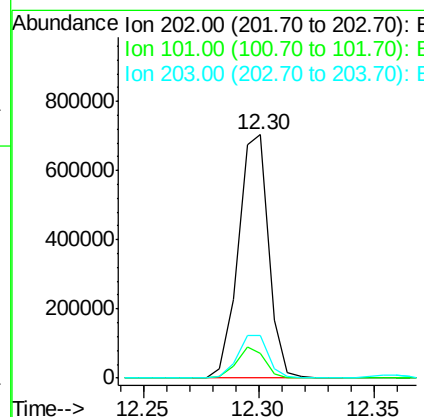
RT: 12.30 min Scan# 1762

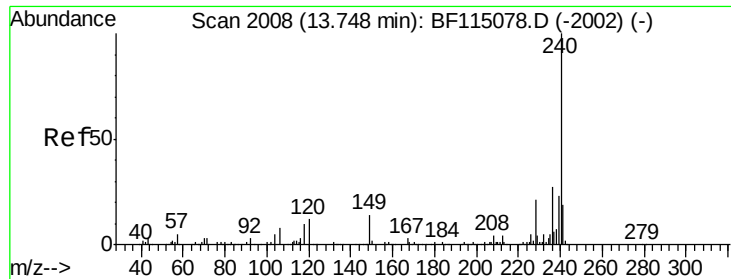
Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	202	Resp:	642290
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	34.0
203	17.5	0.0	38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.71 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

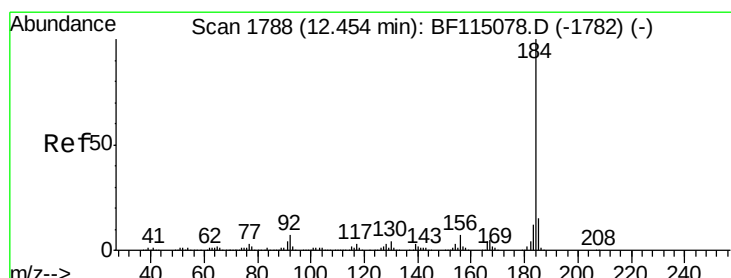
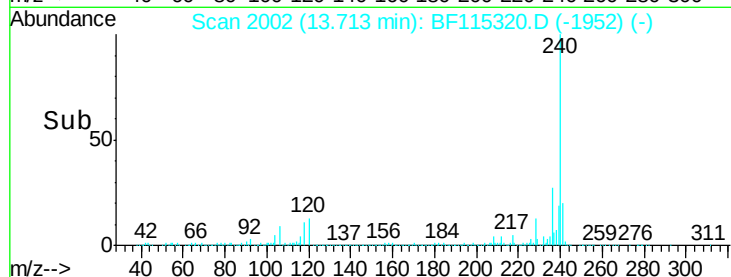
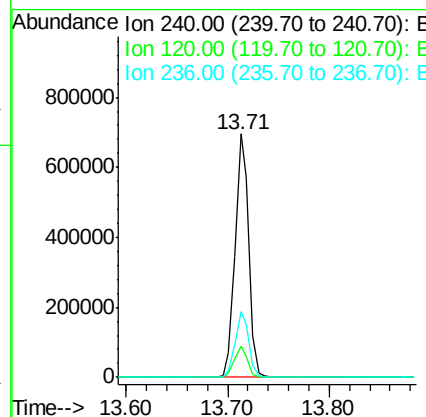
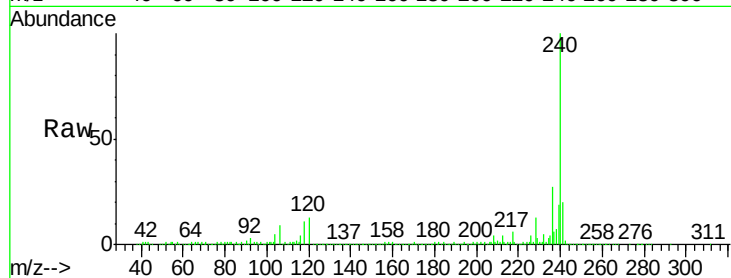
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	240	Resp:	645538
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.4	14.2
236	26.9	21.7	32.5

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#77

Benzidine

Concen: 0.828 ng

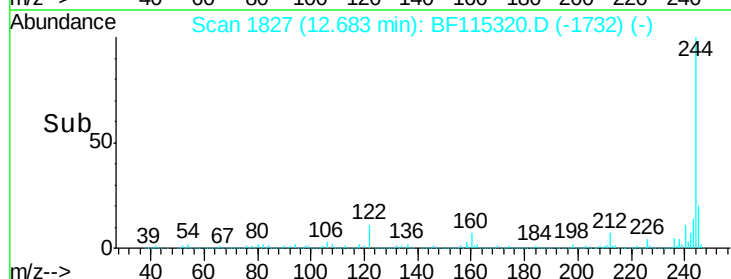
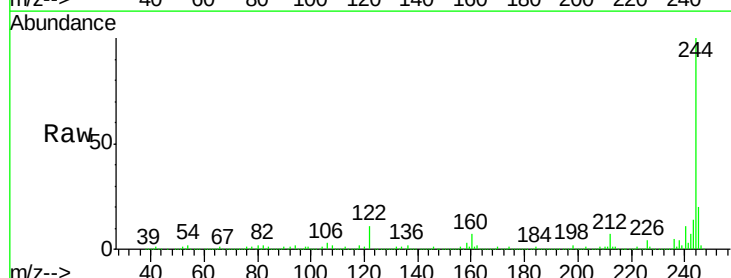
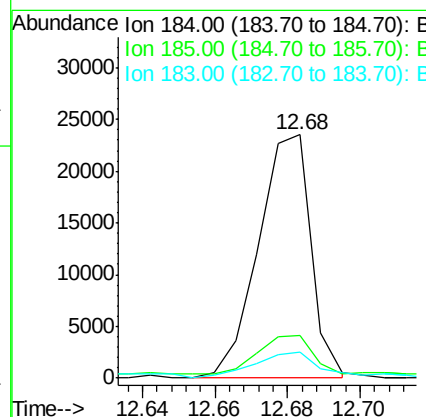
RT: 12.68 min Scan# 1827

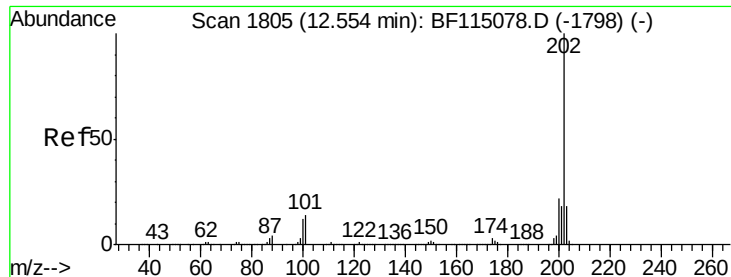
Delta R.T. 0.26 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	184	Resp:	23729
Ion Ratio	Lower	Upper	
184	100		
185	17.7	12.2	18.2
183	10.8	9.6	14.4





#78

Pyrene

Concen: 11.406 ng

RT: 12.52 min Scan# 1800

Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

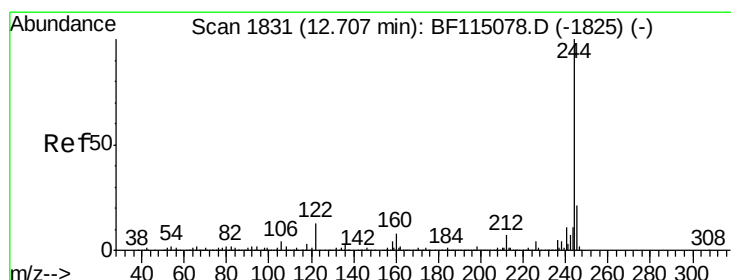
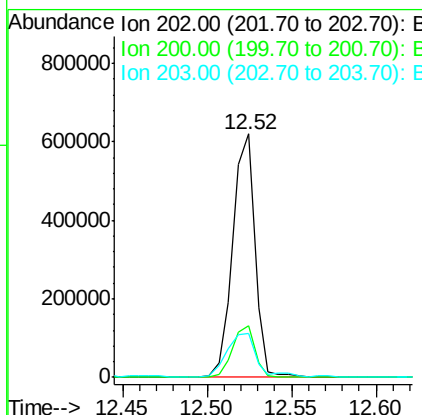
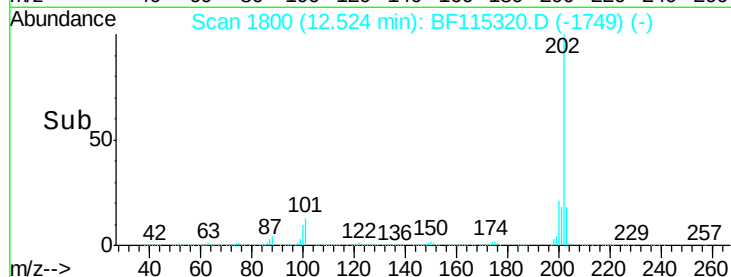
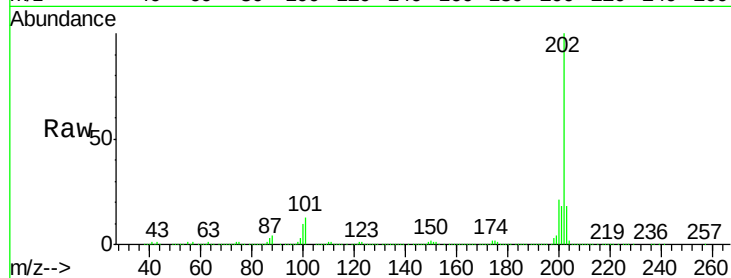
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	202	Resp:	565868
Ion Ratio		Lower	Upper
202	100		
200	21.4	17.9	26.9
203	18.1	14.6	21.8

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#79

Terphenyl-d14

Concen: 61.925 ng

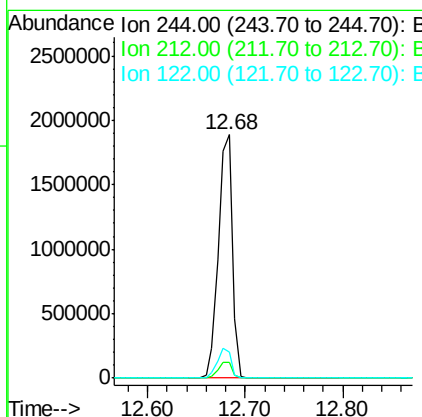
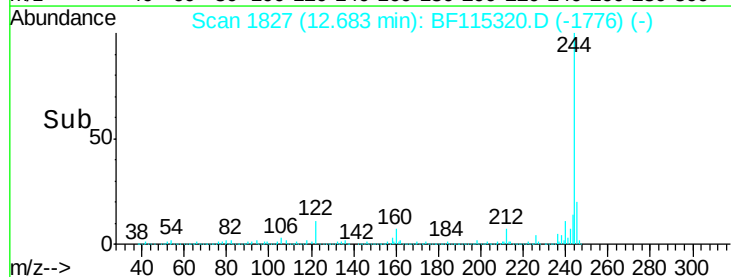
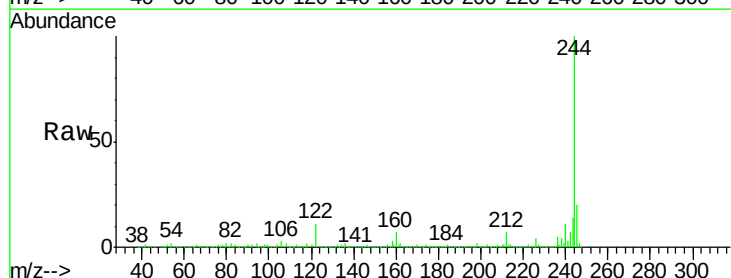
RT: 12.68 min Scan# 1827

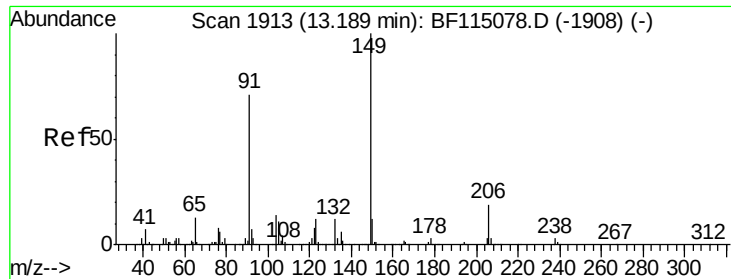
Delta R.T. 0.00 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	244	Resp:	1880138
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.8	8.6
122	10.7	10.4	15.6





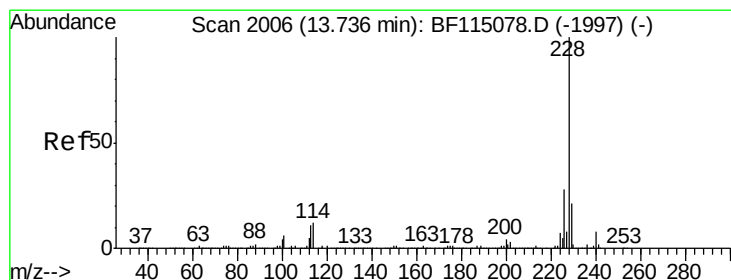
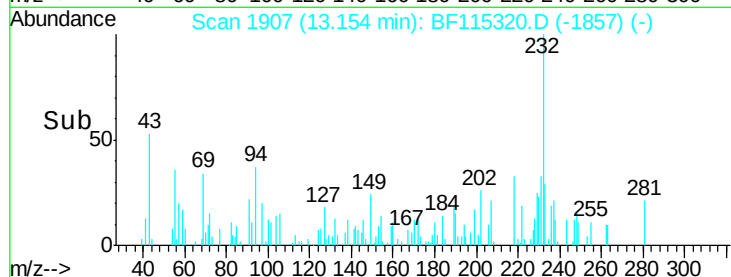
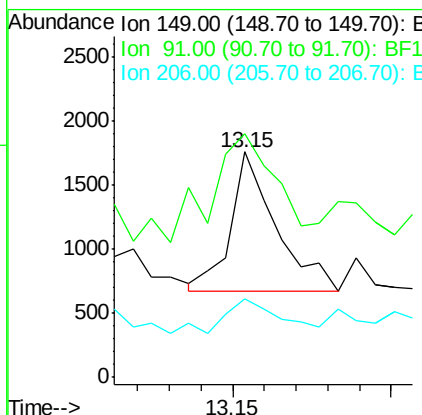
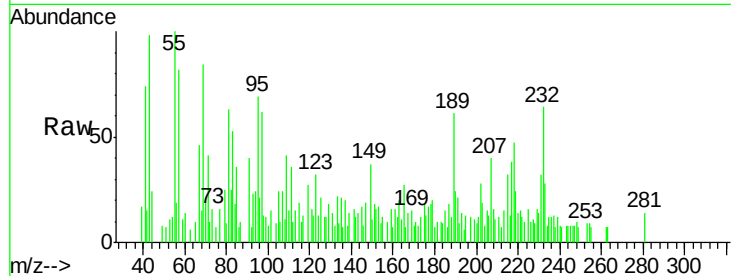
#80
Butylbenzylphthalate
Concen: 0.049 ng
RT: 13.15 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion:	149	Resp:	1067
Ion Ratio	Lower	Upper	
149	100		
91	108.2	56.5	84.7#
206	34.7	15.3	22.9#

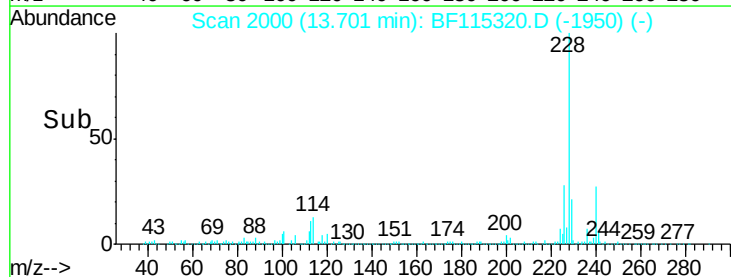
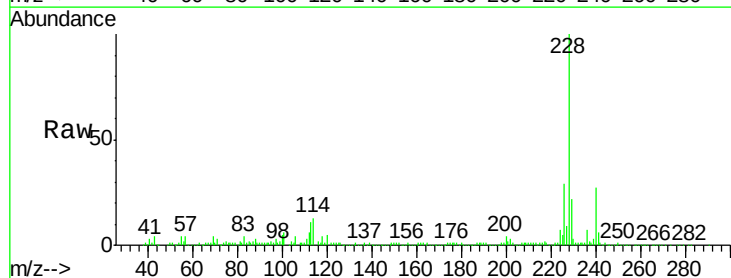
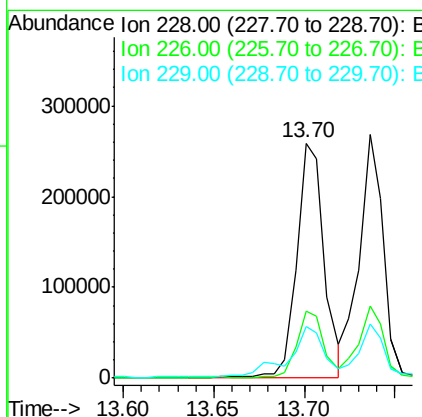
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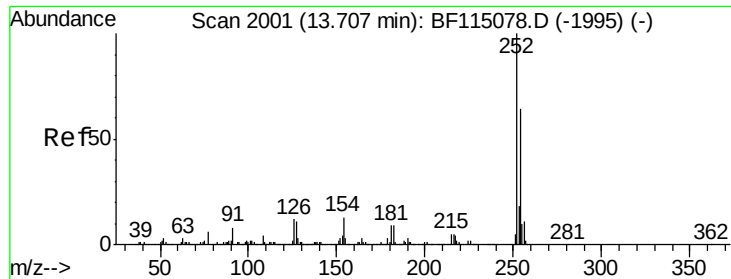
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#81
Benzo(a)anthracene
Concen: 5.921 ng
RT: 13.70 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:	228	Resp:	274246
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.5	33.7
229	21.8	16.6	24.8





#82

3,3'-Dichlorobenzidine

Concen: 0.008 ng

RT: 13.68 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

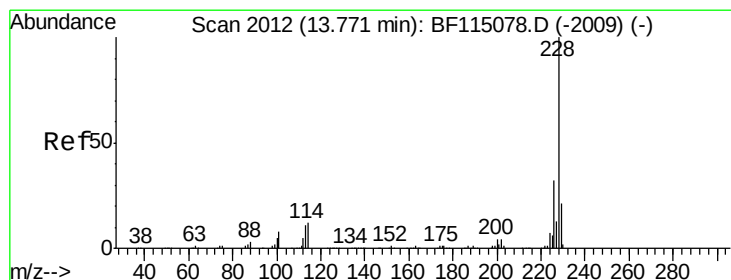
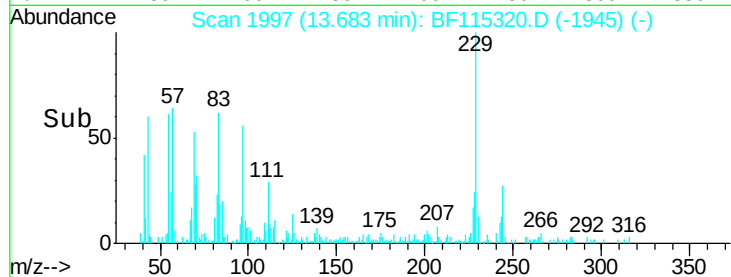
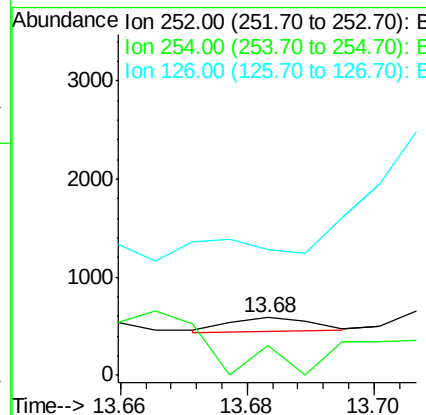
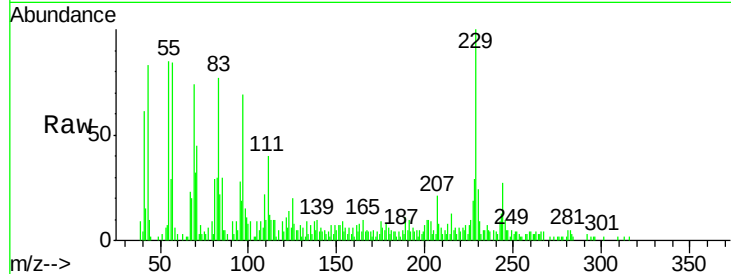
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	252	Resp:	128
Ion Ratio	Lower	Upper	
252	100		
254	50.9	51.1	76.7#
126	216.1	9.4	14.0#

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#83

Chrysene

Concen: 5.856 ng

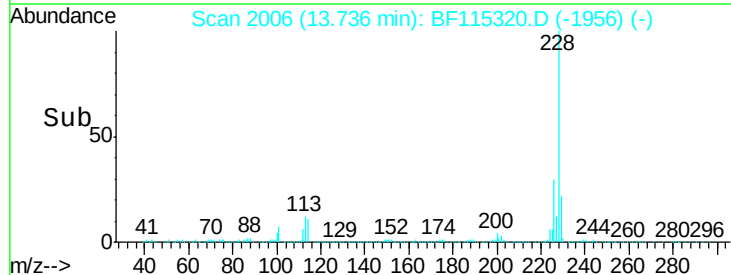
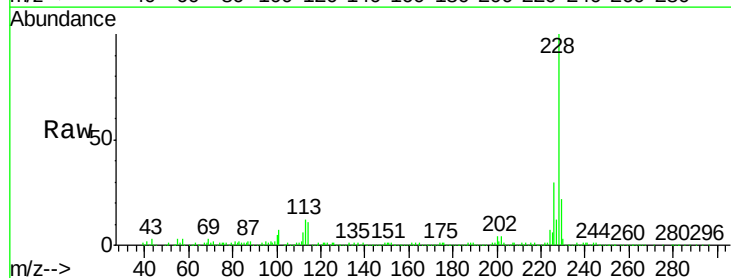
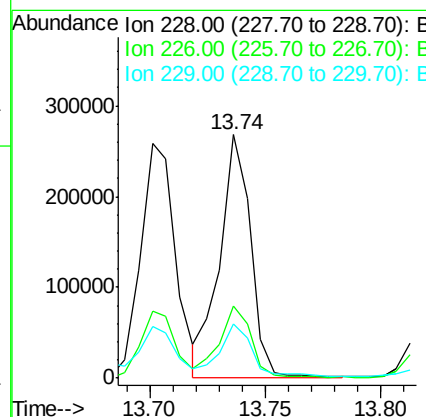
RT: 13.74 min Scan# 2006

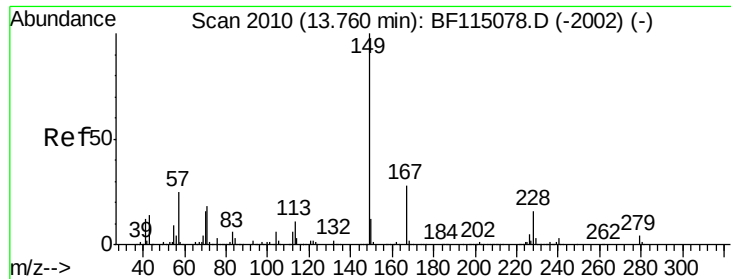
Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	228	Resp:	248480
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.4	38.0
229	22.0	16.5	24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.415 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

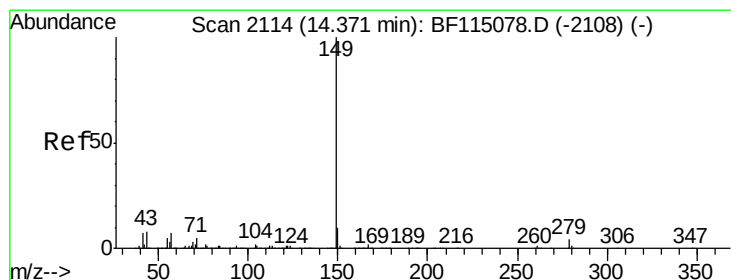
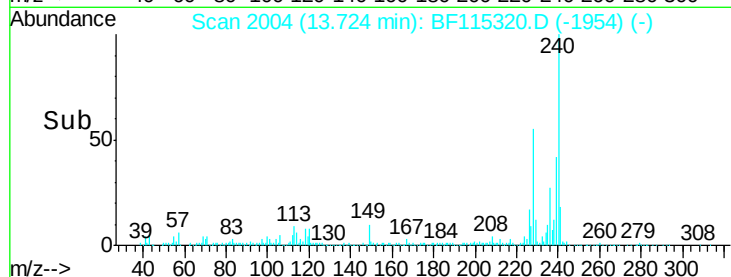
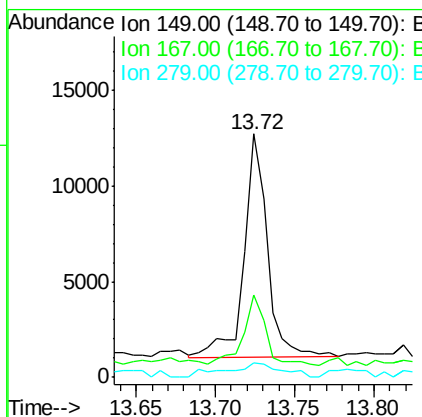
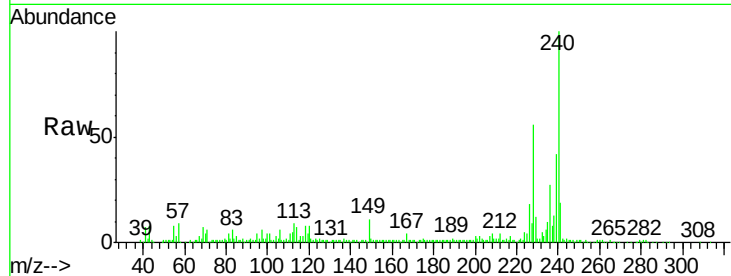
ClientSampleId :

FK-GF-02-044-A

Tgt Ion:	149	Resp:	11902
Ion Ratio	Lower	Upper	
149	100		
167	33.6	22.2	33.4#
279	5.8	2.9	4.3#

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#85

Di-n-octyl phthalate

Concen: 0.019 ng

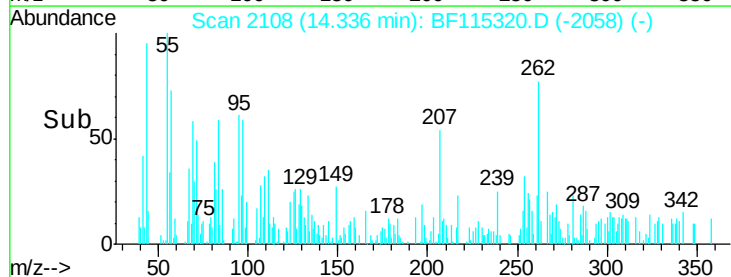
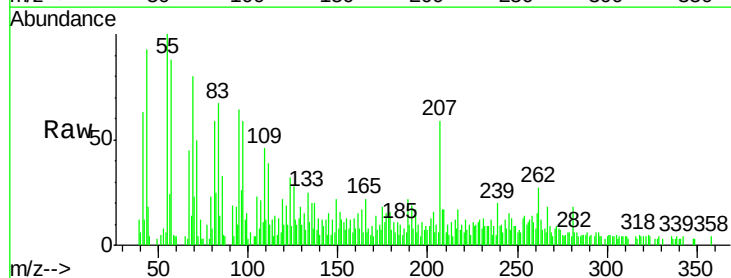
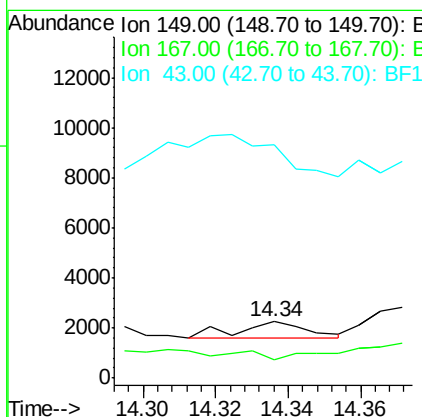
RT: 14.34 min Scan# 2108

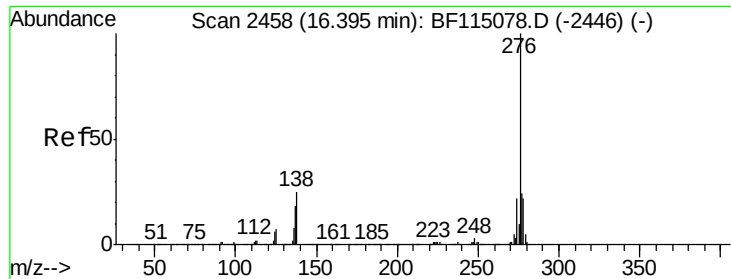
Delta R.T. -0.01 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion:	149	Resp:	916
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	1034.3	7.0	10.6#





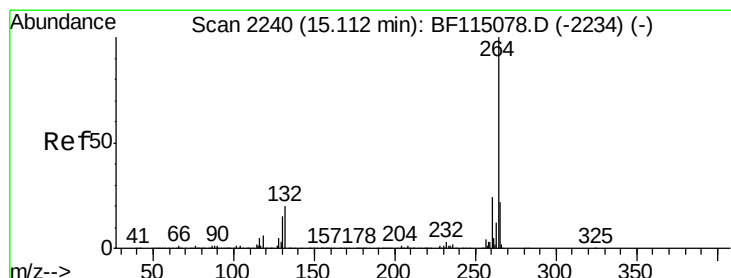
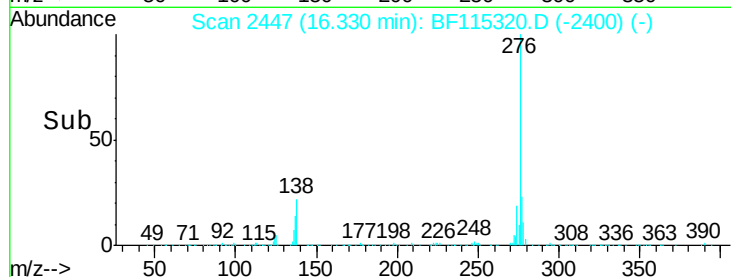
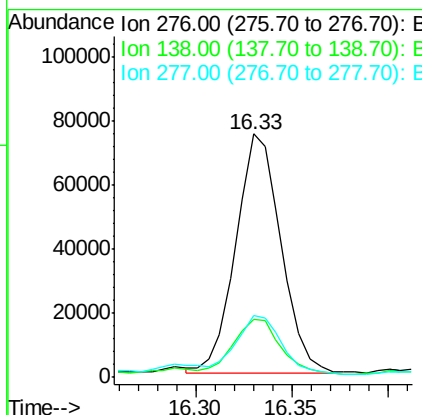
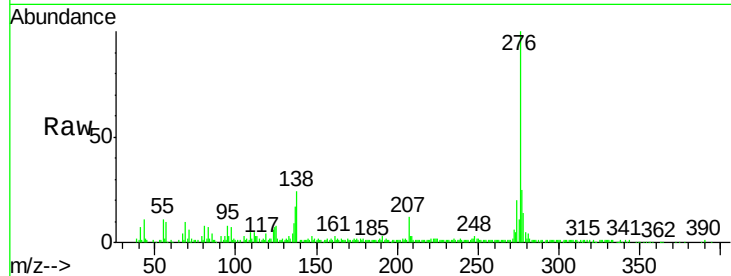
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.438 ng m
 RT: 16.33 min Scan# 2447
 Delta R.T. -0.02 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

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

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	122421		
138	4.3	23.2	34.8#	
277	4.5	20.1	30.1#	

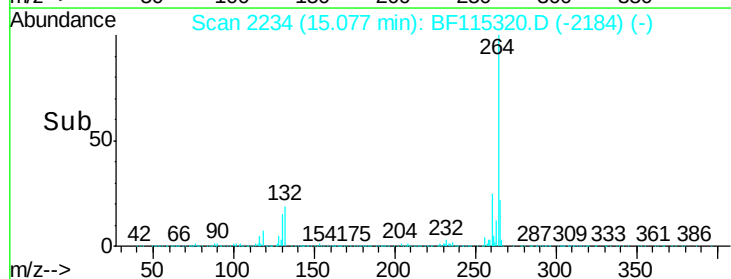
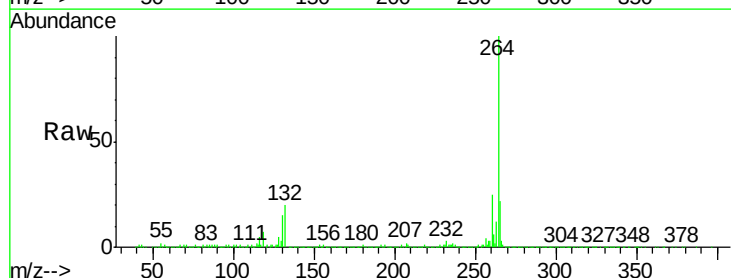
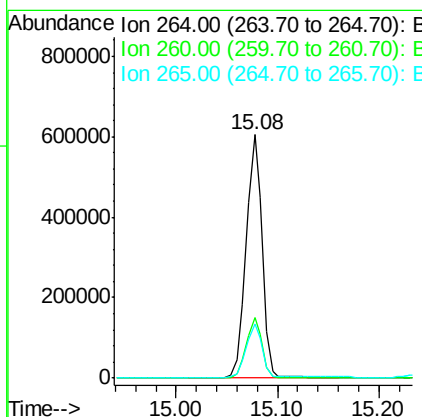
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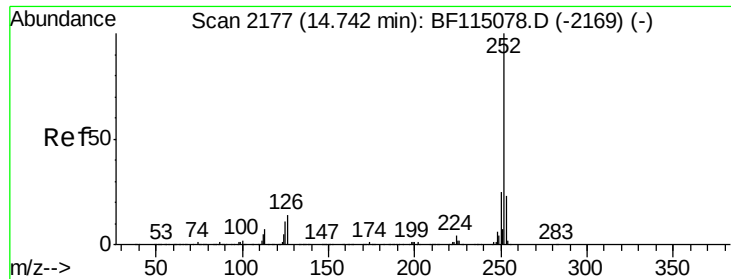
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.08 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF115320.D
 Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	664468		
260	24.7	19.6	29.4	
265	22.0	17.3	25.9	





#88

Benzo(b)fluoranthene

Concen: 7.353 ng m

RT: 14.70 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

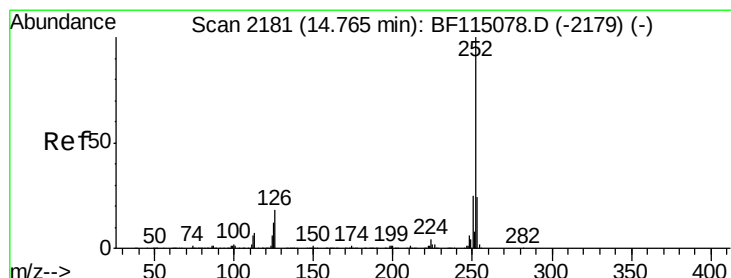
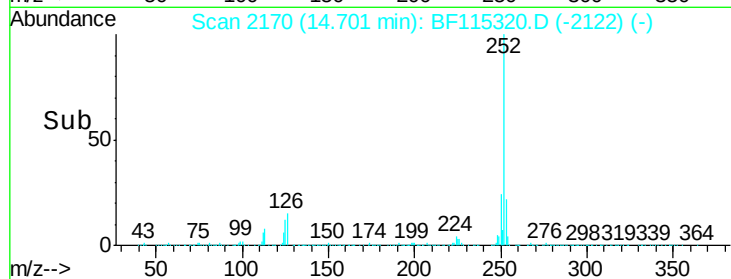
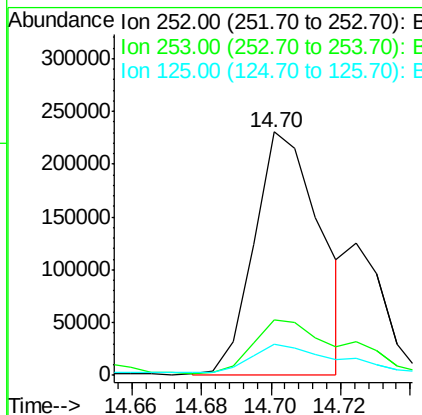
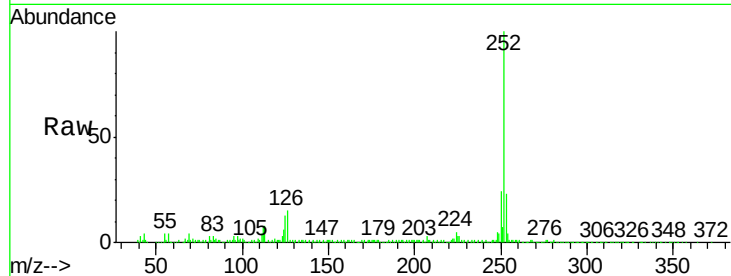
ClientSampleId :

FK-GF-02-044-A

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	304878		
253	22.6	18.1	27.1	
125	12.6	8.7	13.1	

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#89

Benzo(k)fluoranthene

Concen: 2.508 ng m

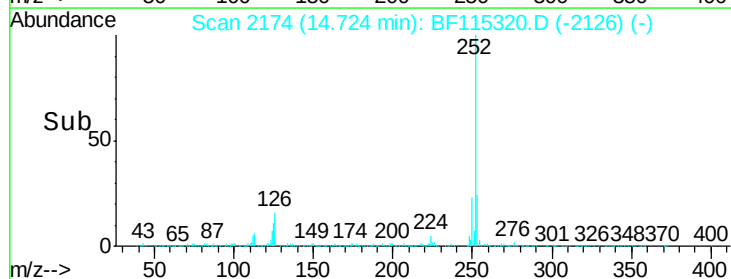
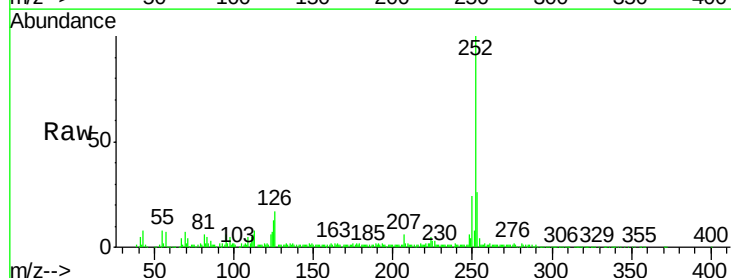
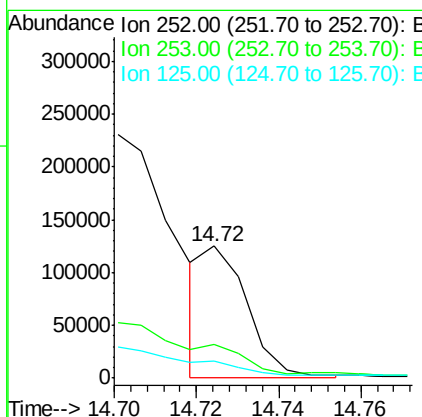
RT: 14.72 min Scan# 2174

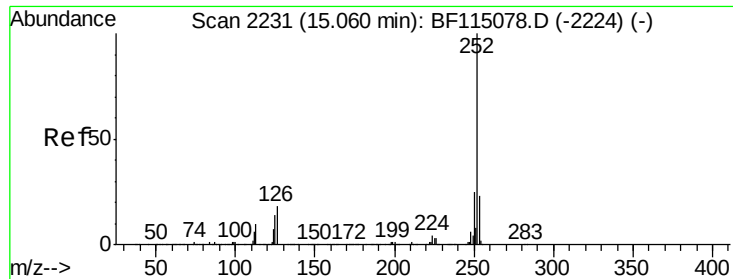
Delta R.T. -0.02 min

Lab File: BF115320.D

Acq: 29 Jun 2019 14:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	93237		
253	25.7	18.9	28.3	
125	12.6	10.2	15.2	





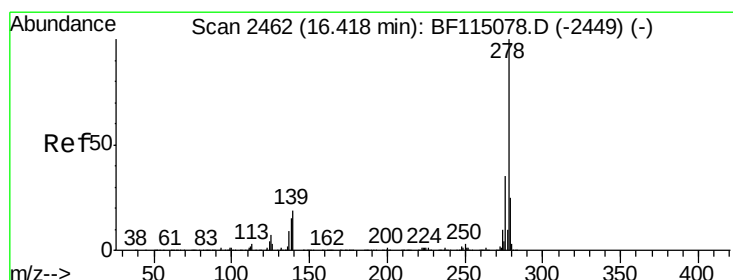
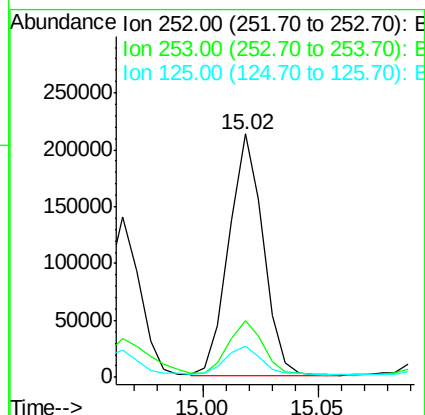
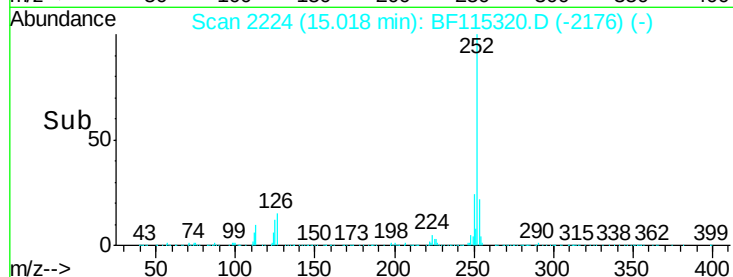
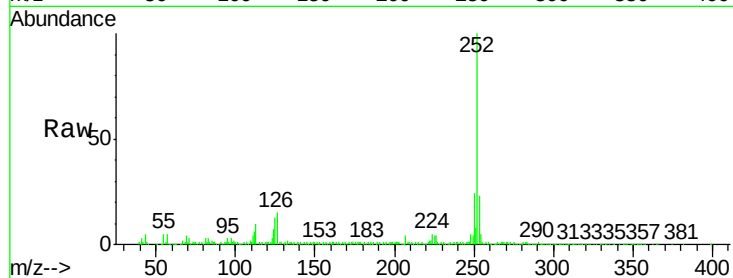
#90
Benzo(a)pyrene
Concen: 5.891 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

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

Tgt Ion:	252	Resp:	220147
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.3	27.5
125	12.7	10.9	16.3

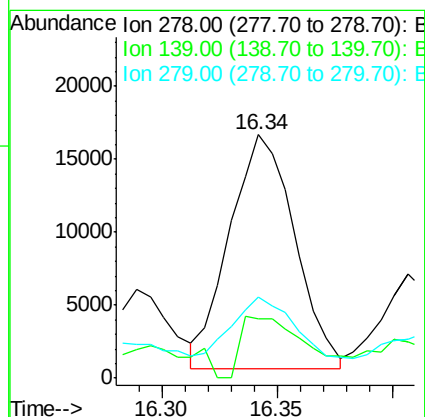
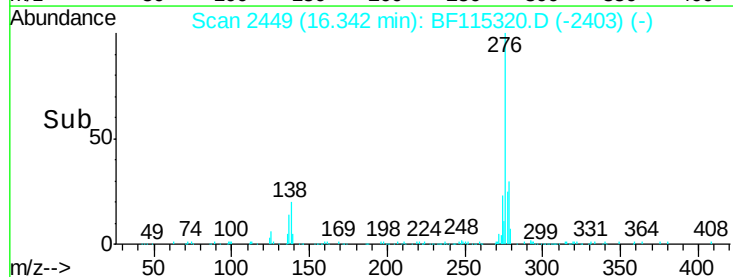
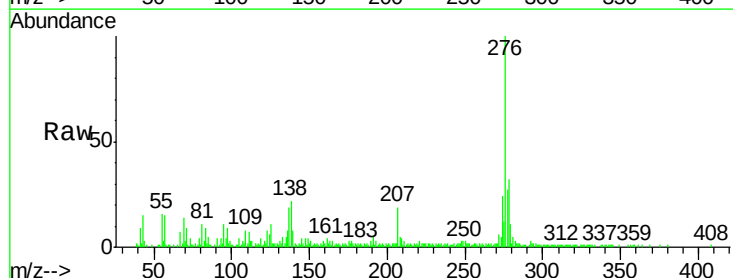
Manual Integrations
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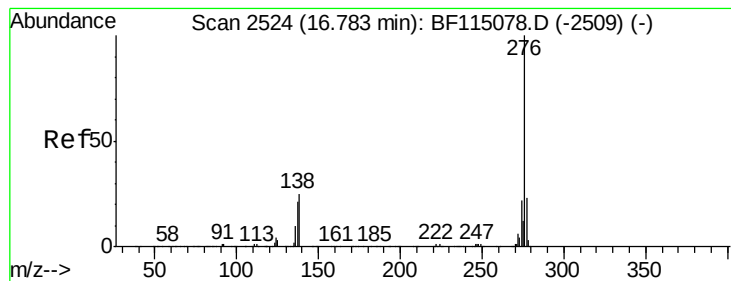
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#91
Dibenzo(a,h)anthracene
Concen: 0.906 ng
RT: 16.34 min Scan# 2449
Delta R.T. -0.03 min
Lab File: BF115320.D
Acq: 29 Jun 2019 14:01

Tgt Ion:	278	Resp:	31591
Ion Ratio	Lower	Upper	
278	100		
139	24.6	15.4	23.2#
279	33.5	19.9	29.9#





#92

Benzo(g,h,i)perylene

Concen: 3.183 ng

RT: 16.71 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF115320.D

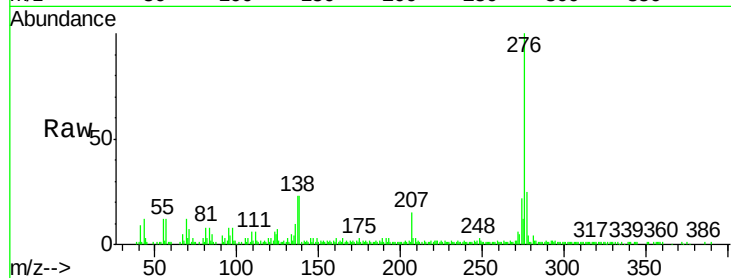
Acq: 29 Jun 2019 14:01

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-044-A



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.8	18.6	28.0		
138	23.1	19.8	29.6		

Manual Integrations
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