

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116009.D
 Acq On : 6 Aug 2019 13:29
 Operator : HP/JU
 Sample : K4135-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(0-1)

Manual Integrations
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 8/7/2019 4:41:44 PM

Quant Time: Aug 07 02:24:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	122701	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	472880	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	249204	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	440875	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	303077	20.00	ng	-0.02
87) Perylene-d12	15.46	264	328287	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	817799	111.58	ng	0.00
7) Phenol-d6	6.47	99	1072809	116.01	ng	-0.01
23) Nitrobenzene-d5	7.40	82	673326	82.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	261449	108.21	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1150538	86.48	ng	-0.02
79) Terphenyl-d14	12.94	244	1212479	84.30	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.49	93	176	0.013	ng	# 1
8) 2-Chlorophenol	6.63	128	107	0.013	ng	# 1
9) Benzaldehyde	6.47	77	1602	0.251	ng	# 1
10) Phenol	6.49	94	12982	1.192	ng	# 52
11) bis(2-Chloroethyl)ether	6.62	93	1209	0.151	ng	# 1
15) Benzyl Alcohol	7.00	79	11572	1.649	ng	# 46
22) Acetophenone	7.27	105	506	0.049	ng	# 36
24) Nitrobenzene	7.40	77	2246	0.254	ng	# 35
31) Naphthalene	8.15	128	3126	0.140	ng	# 97
33) 4-Chloroaniline	8.15	127	258	0.026	ng	# 21
38) 1-Methylnaphthalene	8.93	142	1857	0.134	ng	# 99
46) 1,1'-Biphenyl	9.30	154	3132	0.178	ng	# 96
47) 2-Chloronaphthalene	9.59	162	293	0.020	ng	# 1
48) 2-Nitroaniline	9.59	65	873	0.180	ng	# 1
49) Acenaphthylene	9.74	152	752	0.035	ng	# 68
50) Dimethylphthalate	9.59	163	90608	5.340	ng	100
52) Acenaphthene	9.91	154	36267	2.767	ng	99
53) 3-Nitroaniline	10.09	138	110	0.024	ng	# 4
55) Dibenzofuran	10.09	168	21132	1.109	ng	95
58) Fluorene	10.42	166	33760	2.302	ng	96
60) Diethylphthalate	10.29	149	6043	0.381	ng	99
62) 4-Nitroaniline	10.42	138	137	0.029	ng	# 17
63) Azobenzene	10.58	77	1383	0.085	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.66	198	593	0.254	ng	# 1
71) Phenanthrene	11.39	178	604387	26.816	ng	99
72) Anthracene	11.44	178	165290	7.246	ng	99
73) Carbazole	11.59	167	44844	2.167	ng	99
74) Di-n-butylphthalate	11.92	149	7467	0.309	ng	# 90
75) Fluoranthene	12.57	202	881957	37.378	ng	97
77) Benzidine	12.94	184	16437	1.605	ng	96
78) Pyrene	12.80	202	743436	32.541	ng	98
80) Butylbenzylphthalate	13.41	149	1280	0.132	ng	# 1
81) Benzo(a)anthracene	13.99	228	369622	19.081	ng	99
82) 3,3'-Dichlorobenzidine	14.03	252	2513	0.373	ng	# 1

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BNA_F
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1S-B1-B4-COMP-(0-1)

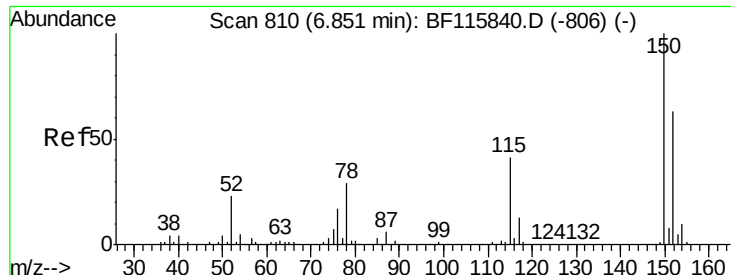
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Quant Time: Aug 07 02:24:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 31 15:31:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Chrysene	14.03	228	290218	15.432	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	6847	0.545	nq #	95
86) Indeno(1,2,3-cd)pyrene	16.93	276	154953	9.810	nq	96
88) Benzo(b)fluoranthene	15.04	252	336096m	17.706	nq	
89) Benzo(k)fluoranthene	15.06	252	121506m	6.572	nq	
90) Benzo(a)pyrene	15.40	252	243757	14.365	nq	98
91) Dibenzo(a,h)anthracene	16.93	278	40602m	2.764	nq	
92) Benzo(a,h,i)perylene	17.37	276	142100	9.851	nq	99

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



#1

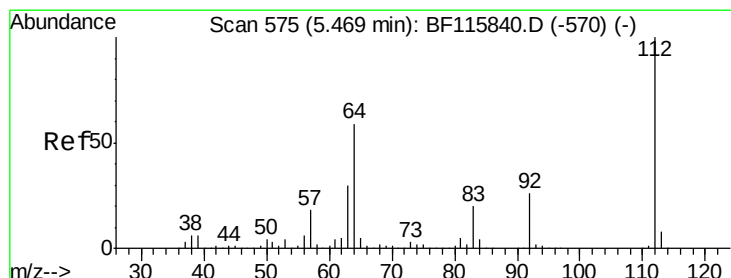
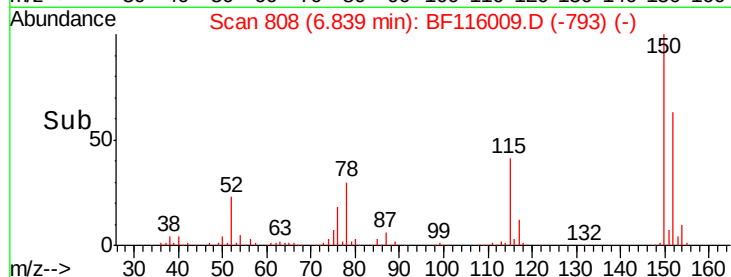
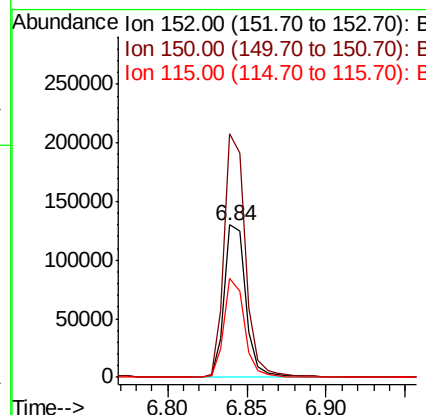
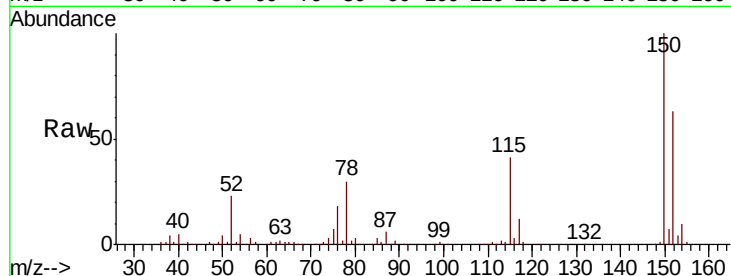
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	127.4	191.0
115	64.9	51.8	77.8

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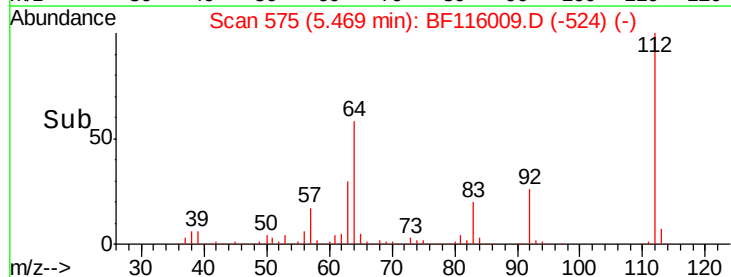
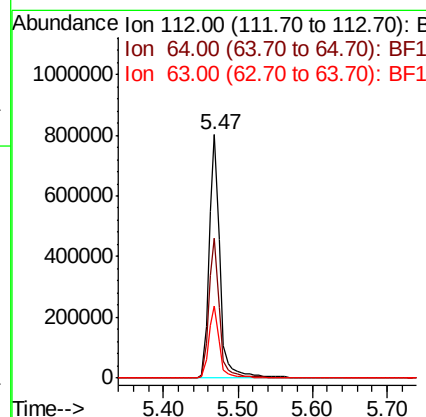
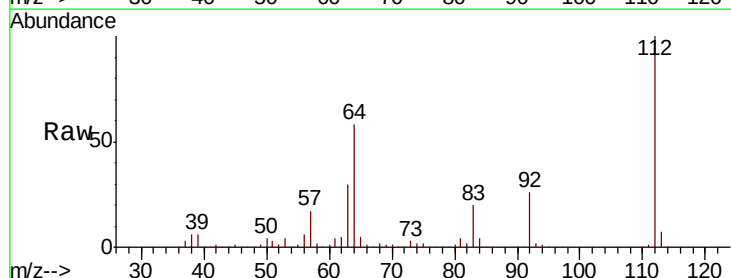
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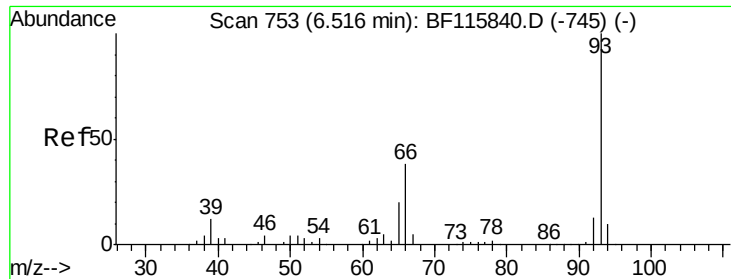


#5

2-Fluorophenol
Concen: 111.576 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.00 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.8	70.2
63	29.7	24.2	36.2





#6

Aniline

Concen: 0.013 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion: 93 Resp: 176

Ion Ratio Lower Upper

93 100

66 2586.5 31.4 47.0

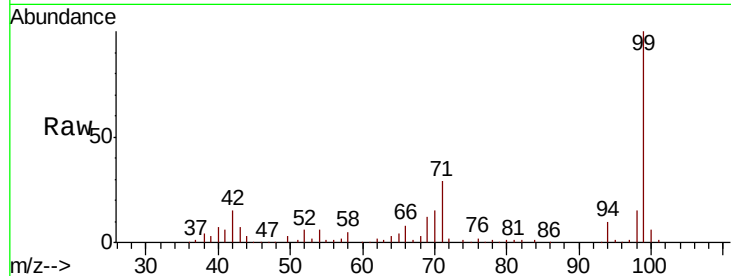
65 1202.8 16.5 24.7

Manual Integrations

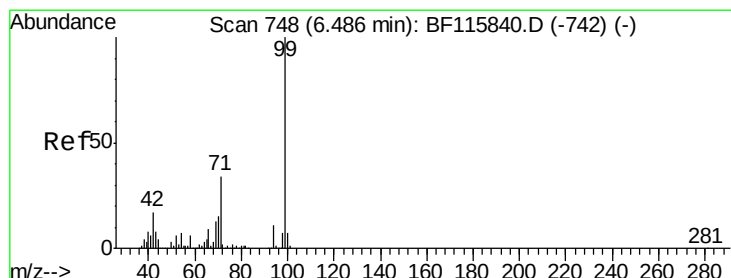
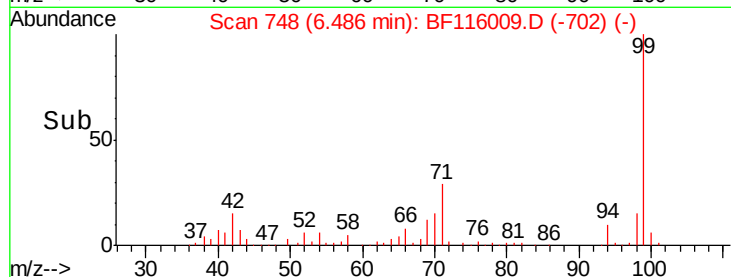
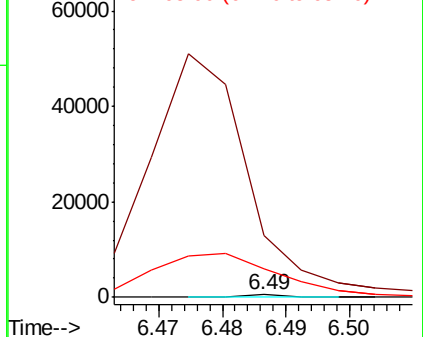
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Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 116.011 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

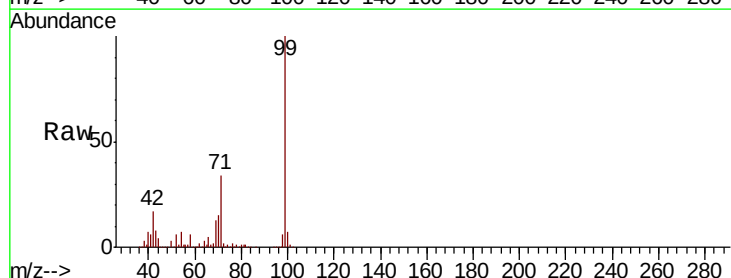
Tgt Ion: 99 Resp: 1072809

Ion Ratio Lower Upper

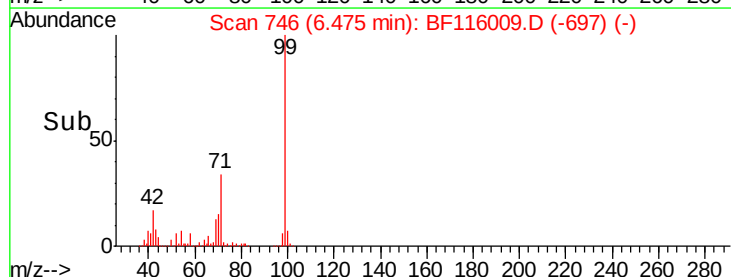
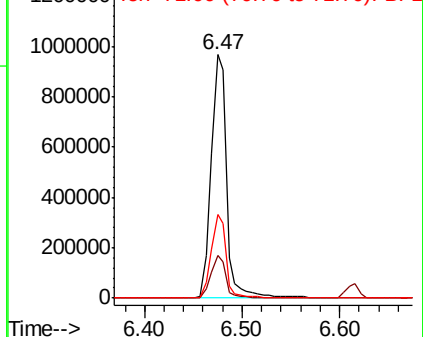
99 100

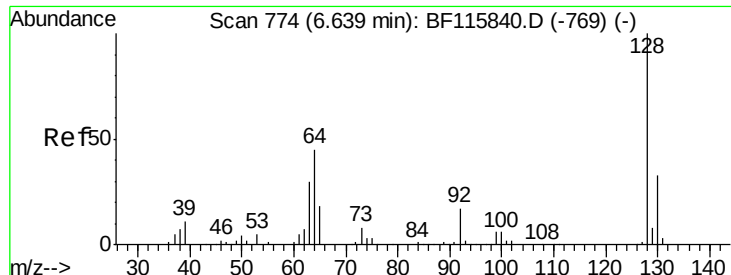
42 17.4 13.8 20.6

71 34.2 27.1 40.7



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: 0.013 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

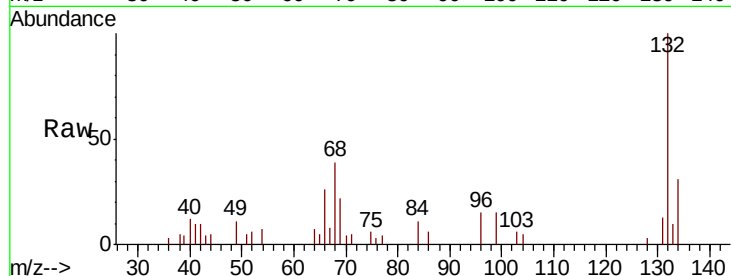
ClientSampleId :

1S-B1-B4-COMP-(0-1)

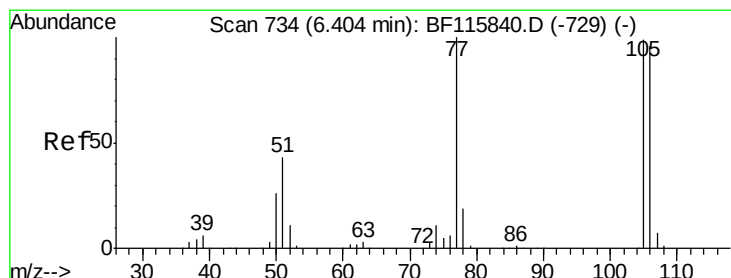
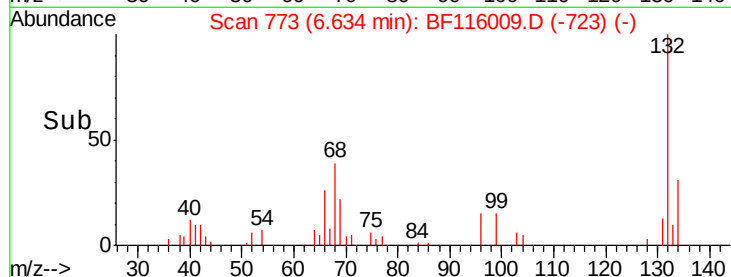
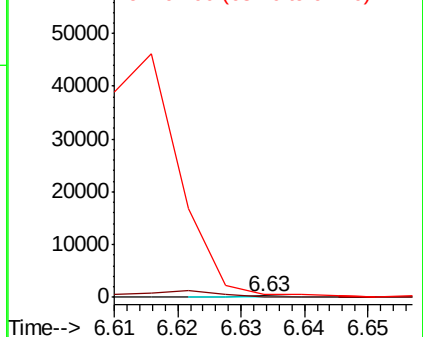
Tot Ion:	128	Resp:	107
Ion Ratio	Lower	Upper	
128	100		
130	0.0	12.9	52.9#
64	222.7	26.1	66.1#

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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: 0.251 ng

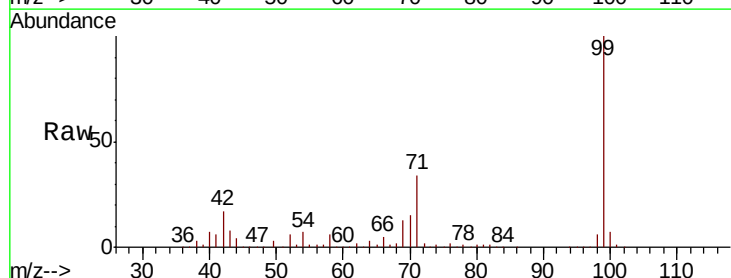
RT: 6.47 min Scan# 746

Delta R.T. 0.07 min

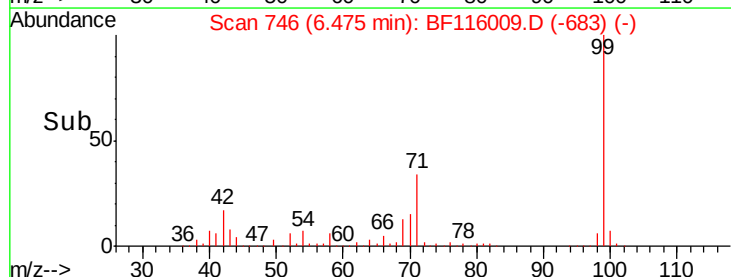
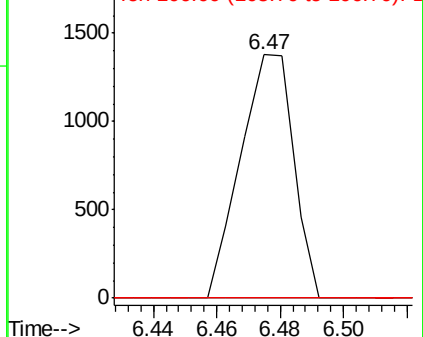
Lab File: BF116009.D

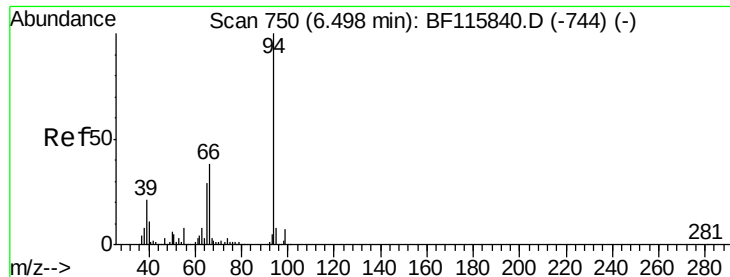
Acq: 6 Aug 2019 13:29

Tgt Ion:	77	Resp:	1602
Ion Ratio	Lower	Upper	
77	100		
105	0.0	79.0	119.0#
106	0.0	76.2	116.2#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





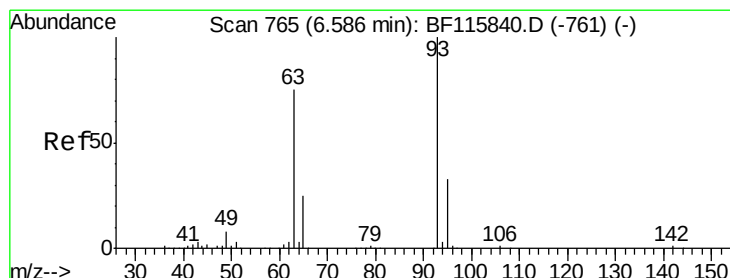
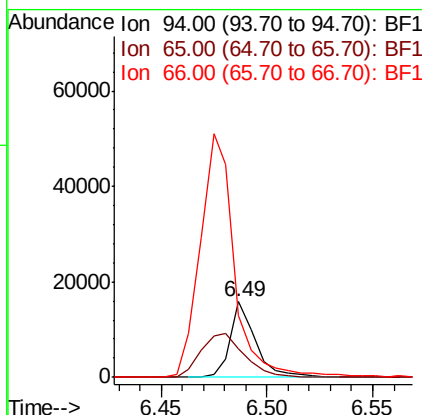
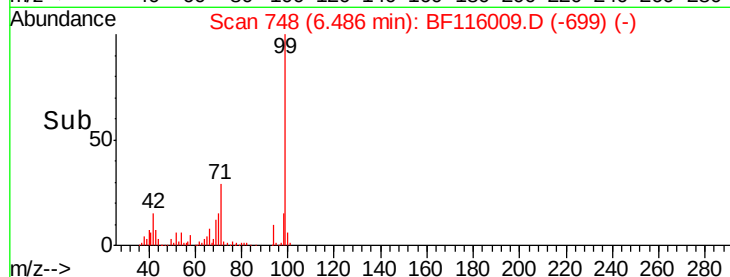
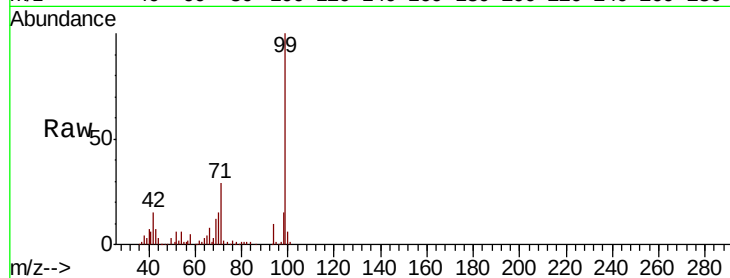
#10
Phenol
Concen: 1.192 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
94	100		
65	37.9	8.9	48.9
66	81.5	18.0	58.0#

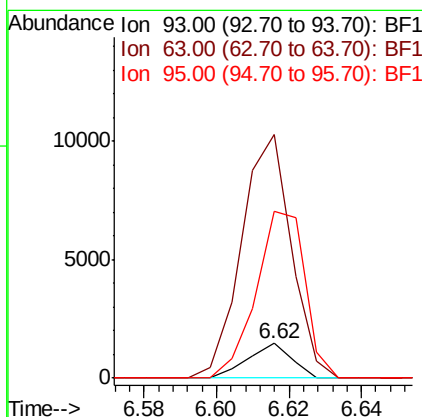
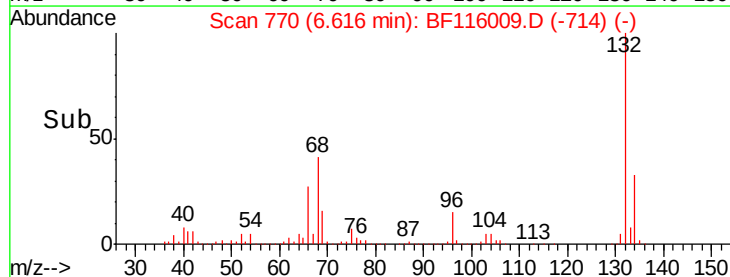
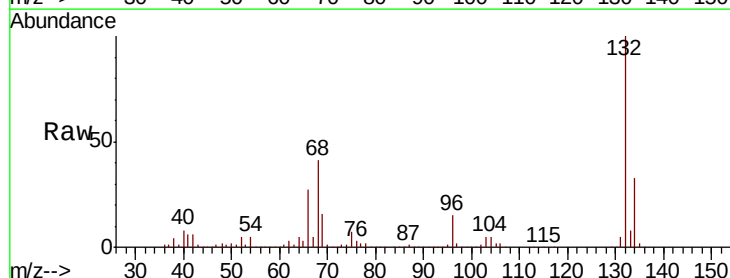
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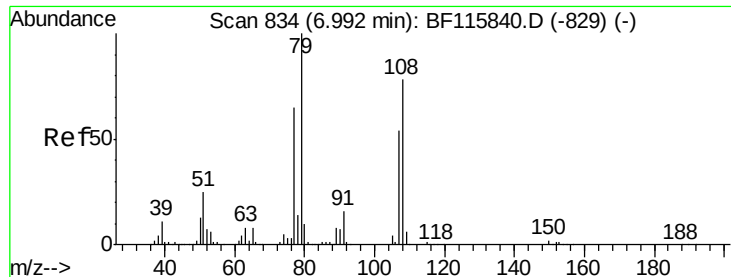
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#11
bis(2-Chloroethyl)ether
Concen: 0.151 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
93	100		
63	706.7	54.9	94.9#
95	484.2	13.3	53.3#





#15

Benzyl Alcohol

Concen: 1.649 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion: 79 Resp: 11572

Ion Ratio Lower Upper

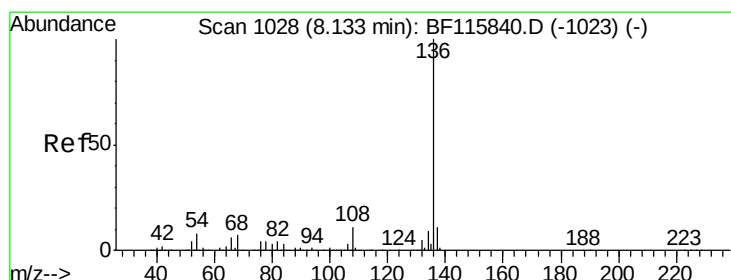
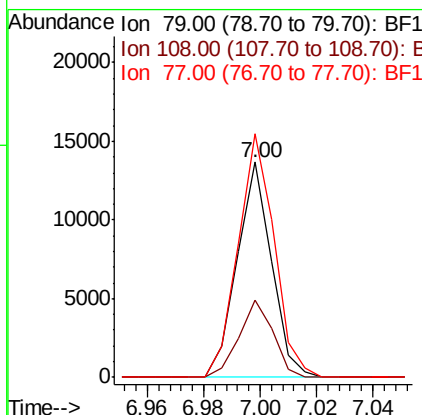
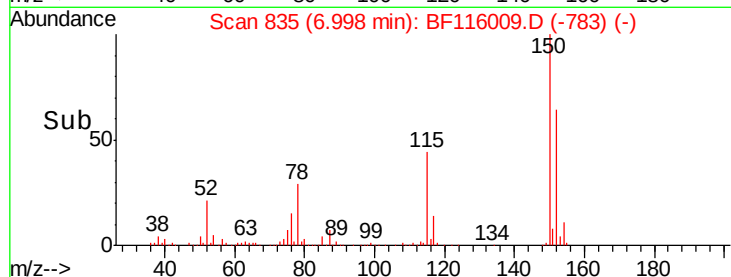
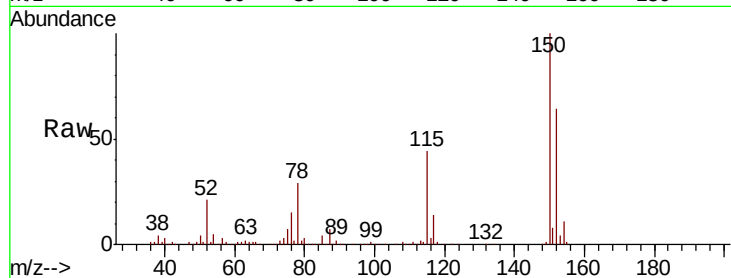
79 100

108 35.7 62.8 94.2#

77 113.1 52.0 78.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Tgt Ion: 136 Resp: 472880

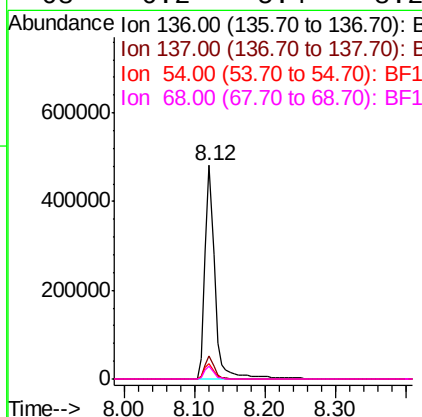
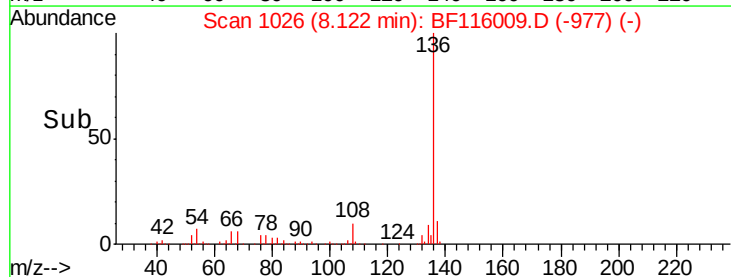
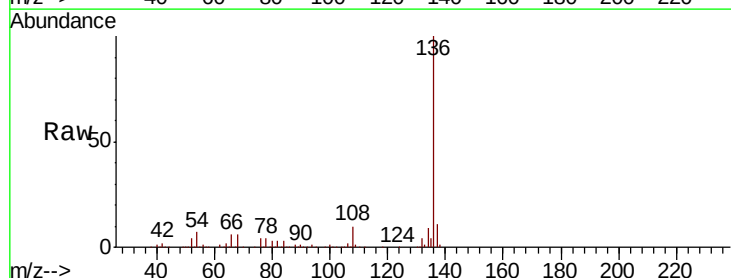
Ion Ratio Lower Upper

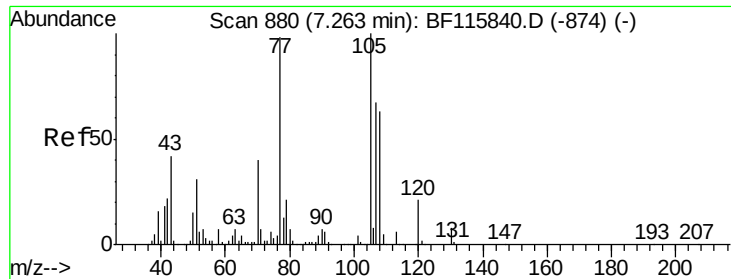
136 100

137 11.0 9.1 13.7

54 7.3 6.1 9.1

68 6.2 5.4 8.2





#22

Acetophenone

Concen: 0.049 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

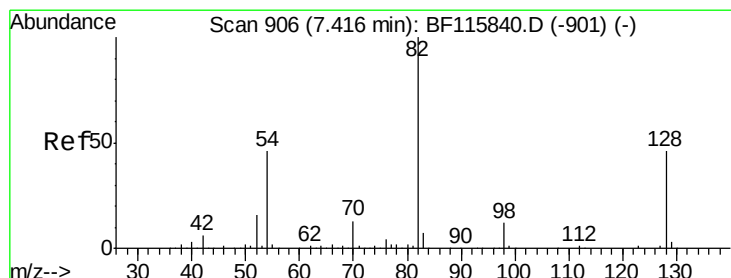
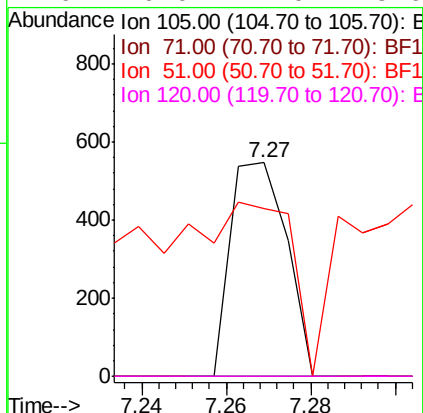
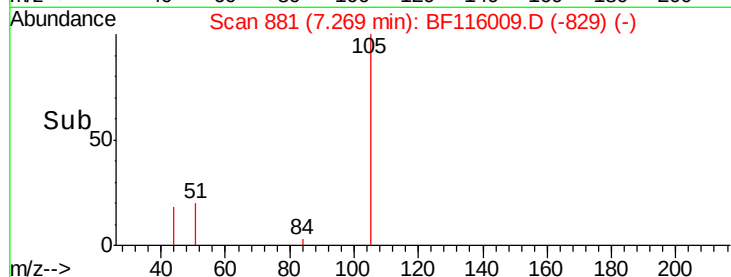
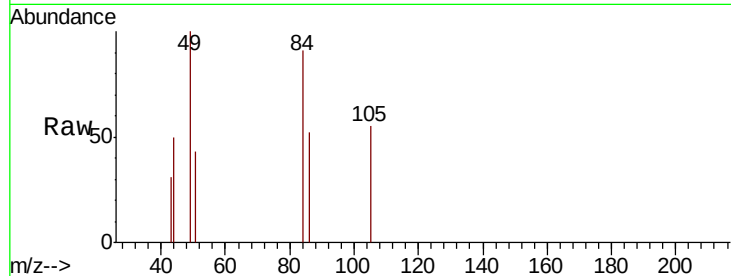
ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion:	105	Resp:	506
Ion Ratio	Lower	Upper	
105	100		
71	0.0	5.4	8.0#
51	78.2	24.6	36.8#
120	0.0	17.0	25.6#

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#23

Nitrobenzene-d5

Concen: 82.191 ng

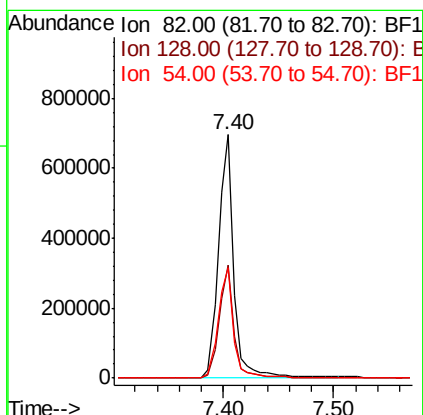
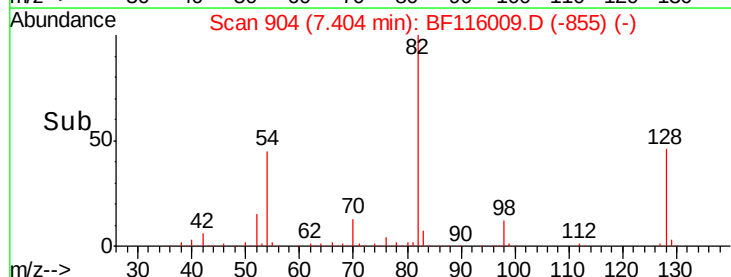
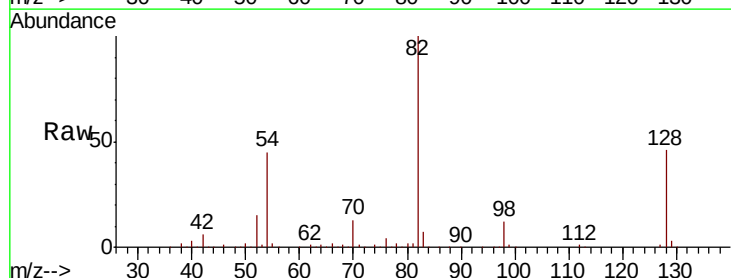
RT: 7.40 min Scan# 904

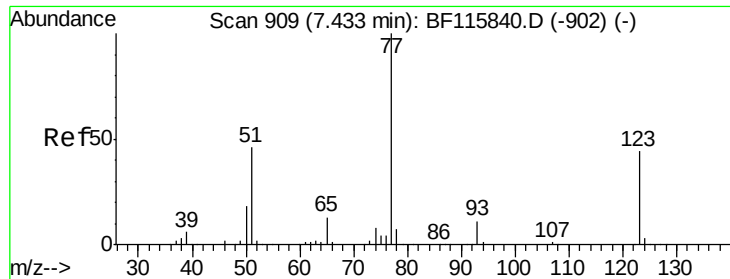
Delta R.T. -0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Tgt Ion:	82	Resp:	673326
Ion Ratio	Lower	Upper	
82	100		
128	46.5	36.6	55.0
54	45.3	36.6	55.0





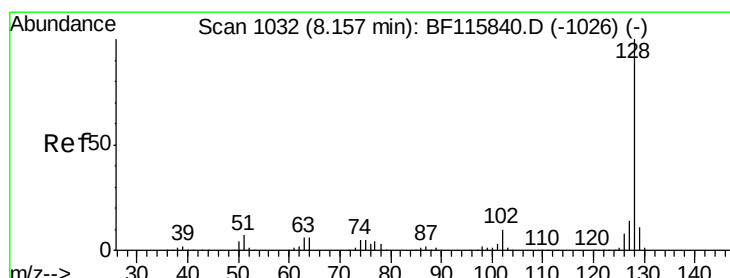
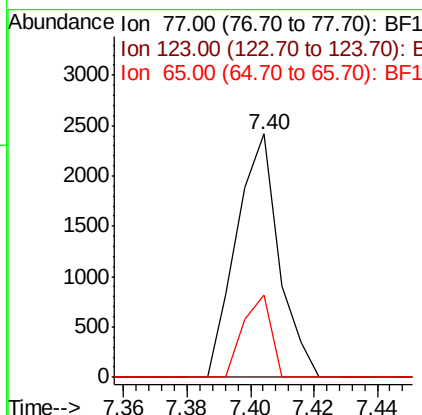
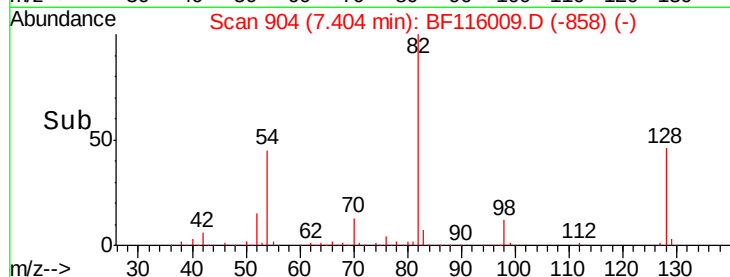
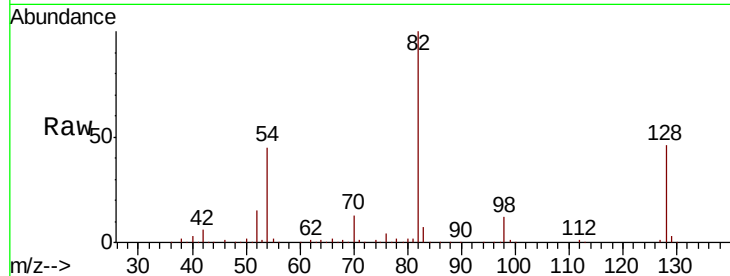
#24
Nitrobenzene
Concen: 0.254 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	34.0	10.6	15.8#

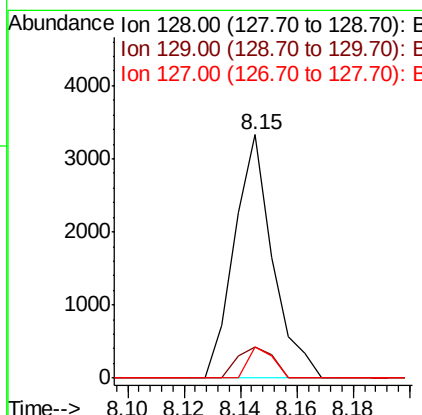
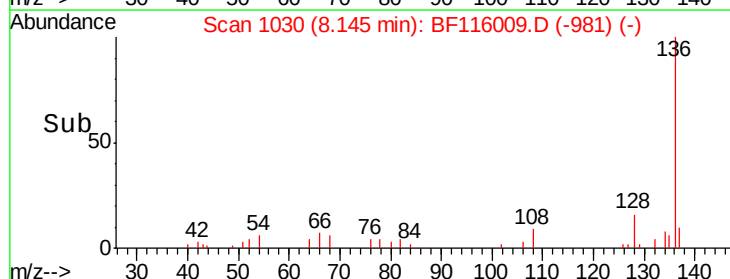
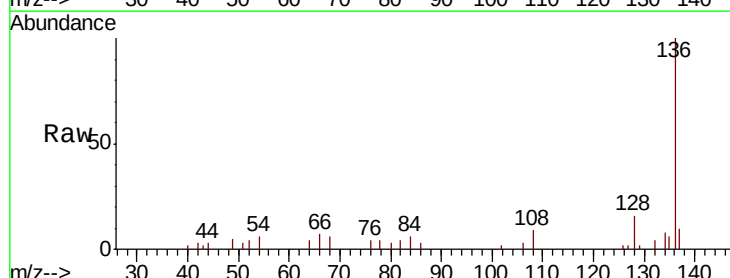
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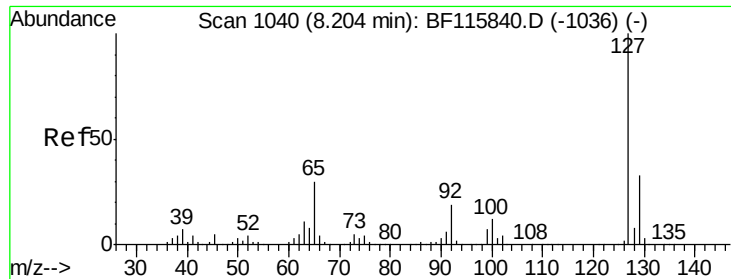
mohammad
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#31
Naphthalene
Concen: 0.140 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.2	13.8
127	12.6	11.0	16.4





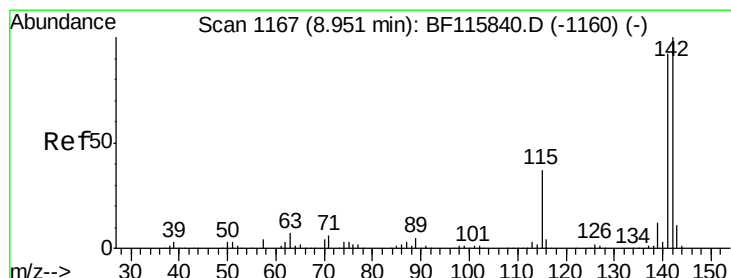
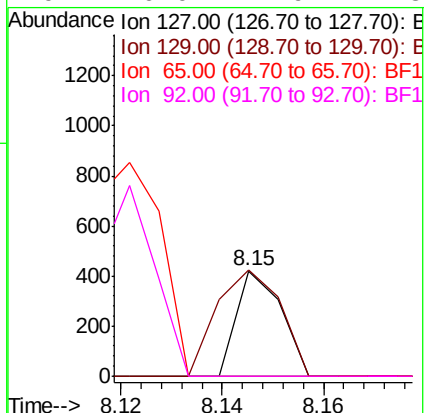
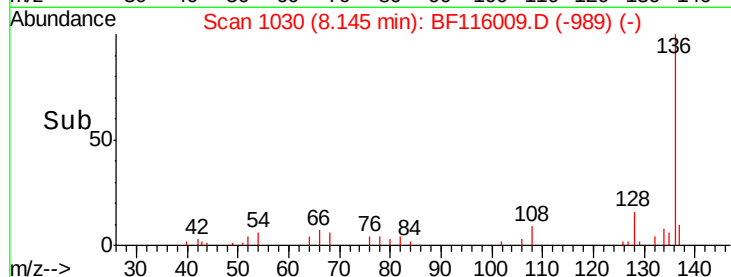
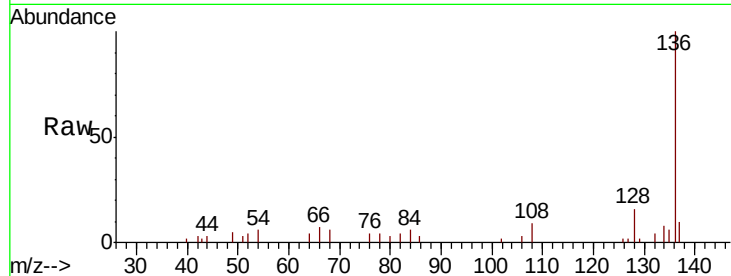
#33
4-Chloroaniline
Concen: 0.026 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
127	100		
129	101.0	26.0	39.0#
65	0.0	23.9	35.9#
92	0.0	14.9	22.3#

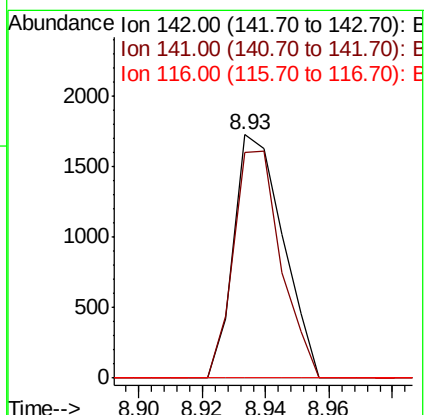
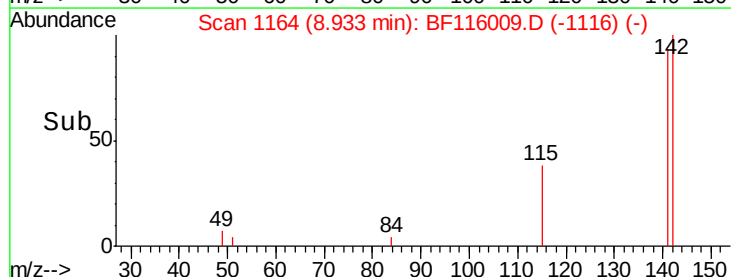
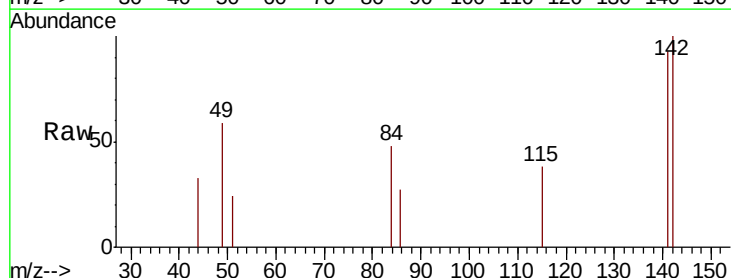
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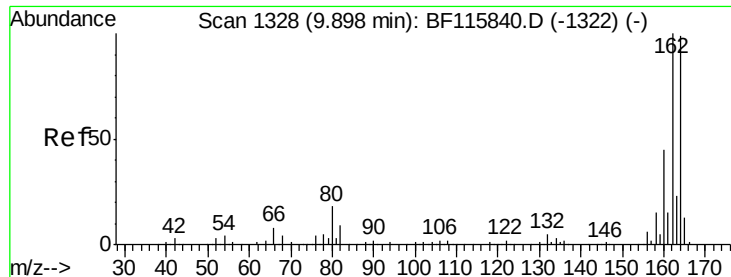
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#38
1-Methylnaphthalene
Concen: 0.134 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.8	110.6
116	0.0	3.1	4.7#





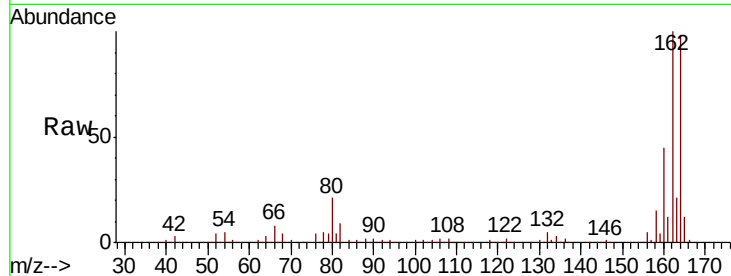
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	249204		
162	101.9	80.8	121.2	
160	45.9	36.2	54.4	

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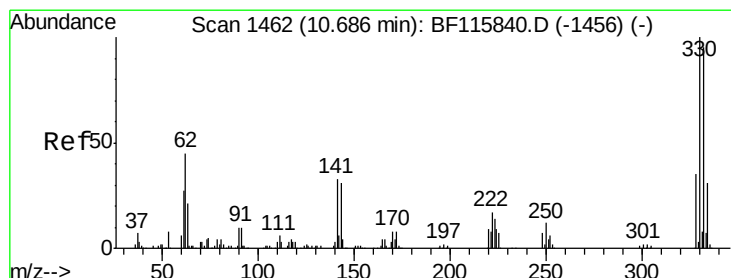
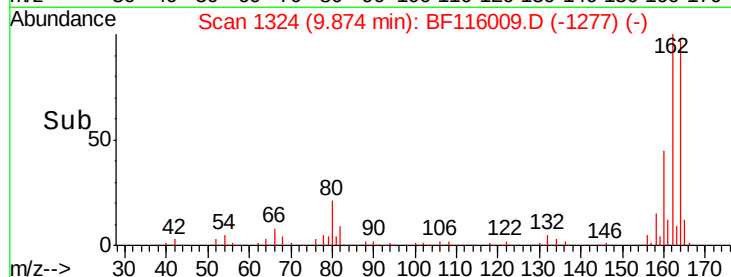
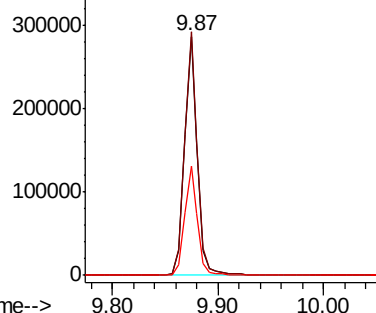


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 108.211 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

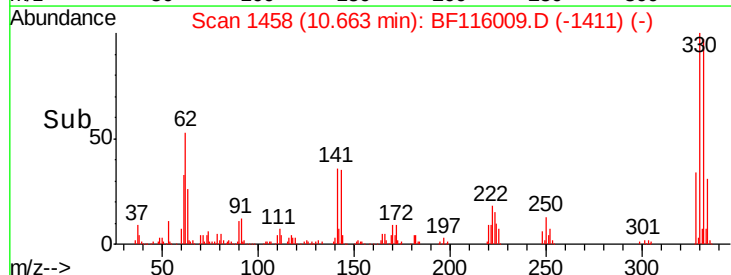
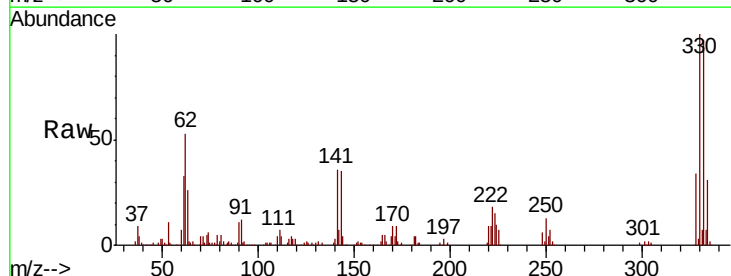
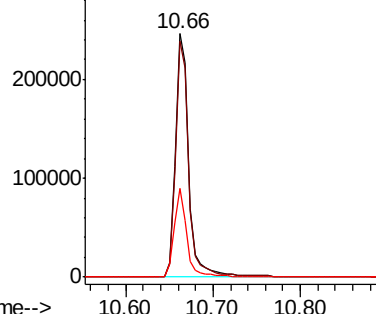
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	261449		
332	97.2	77.7	116.5	
141	35.0	28.1	42.1	

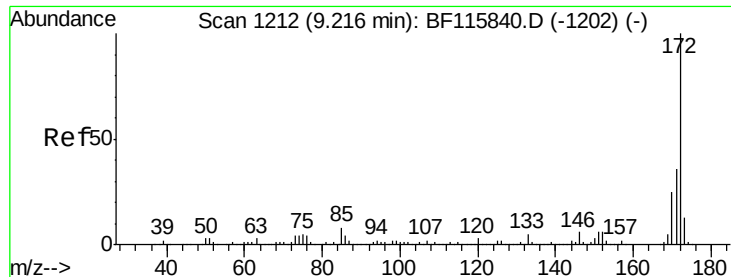
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





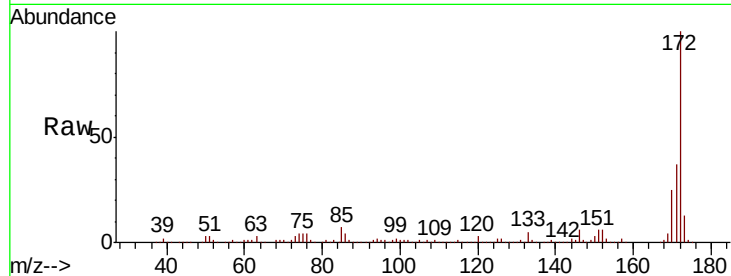
#45
2-Fluorobiphenyl
Concen: 86.477 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.1	43.7
170	24.7	20.1	30.1

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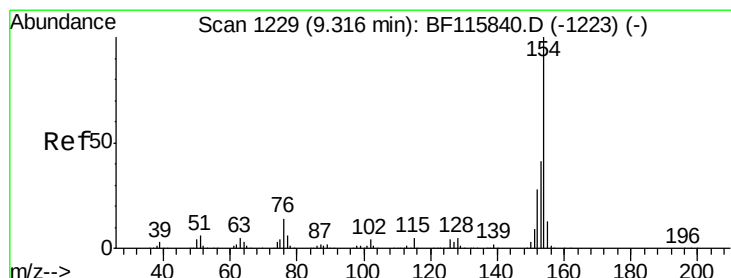
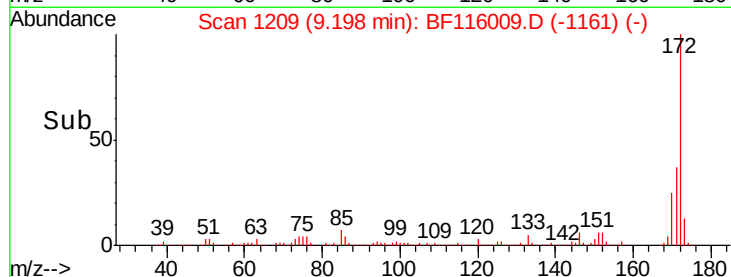
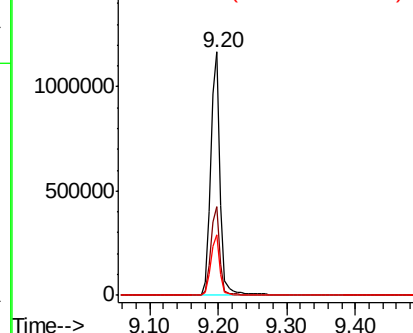


Abundance

Ion 172.00 (171.70 to 172.70): E

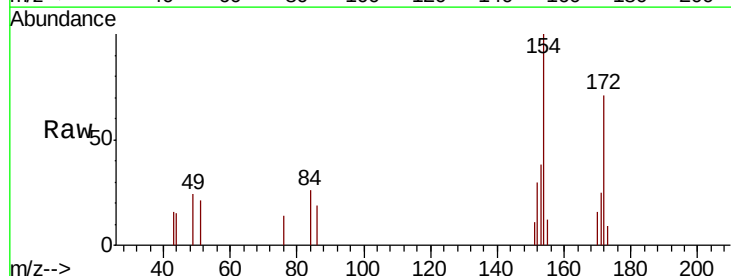
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 0.178 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	37.7	20.9	60.9
76	14.1	0.0	34.3

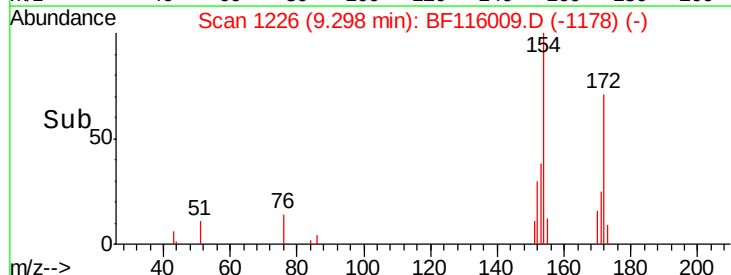
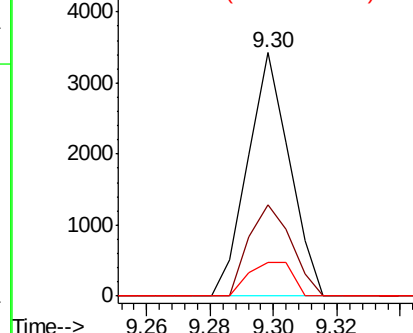


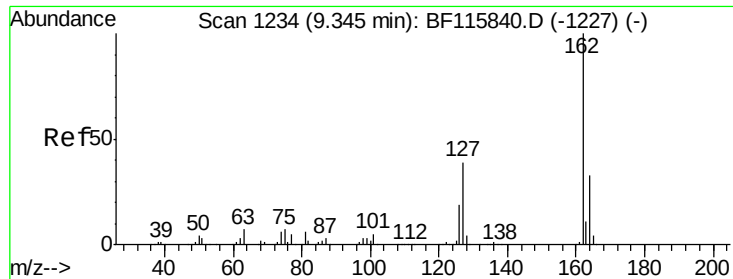
Abundance

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





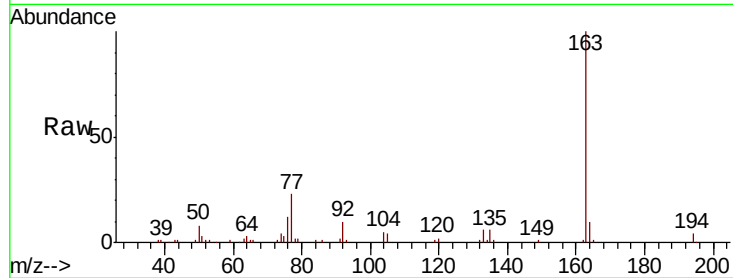
#47
2-Chloronaphthalene
Concen: 0.020 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.24 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

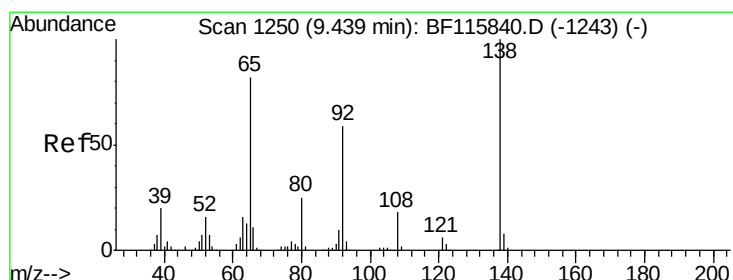
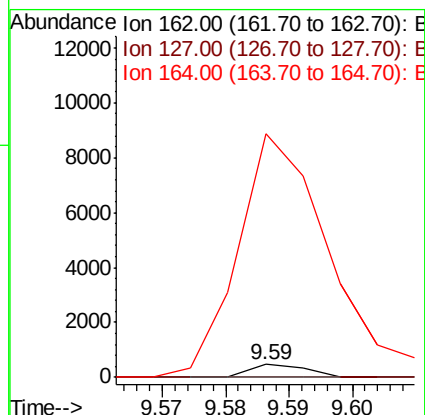
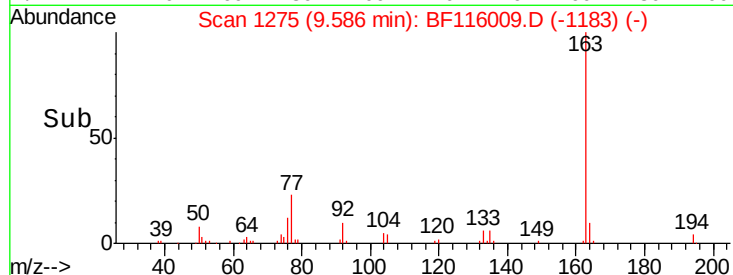
Tot Ion: 162 Resp: 293
Ion Ratio Lower Upper
162 100
127 0.0 31.3 46.9#
164 1895.5 26.6 40.0#

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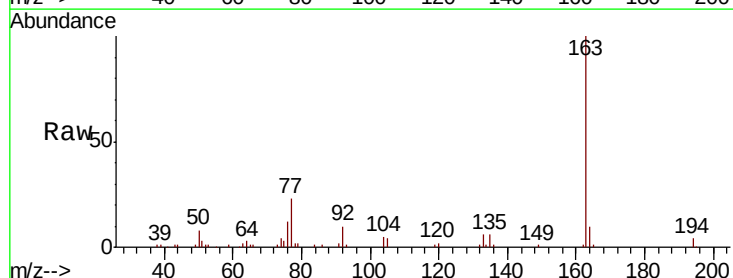


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E

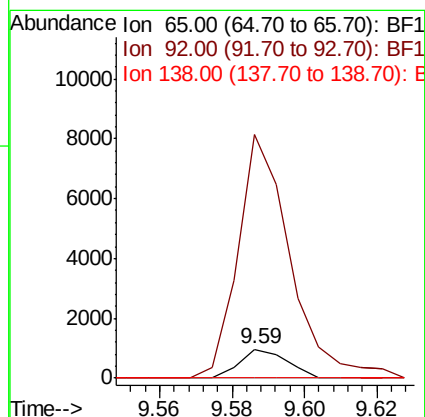
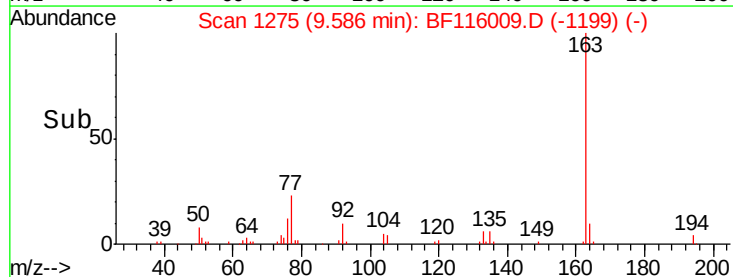


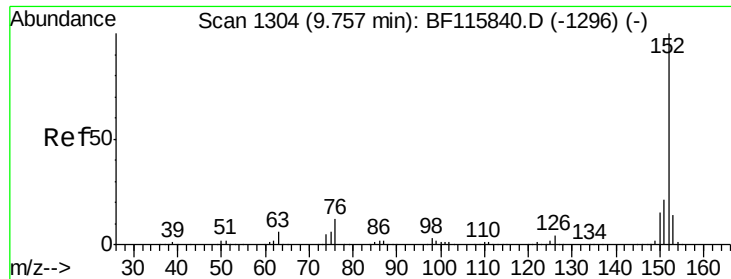
#48
2-Nitroaniline
Concen: 0.180 ng
RT: 9.59 min Scan# 1275
Delta R.T. 0.15 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion: 65 Resp: 873
Ion Ratio Lower Upper
65 100
92 852.3 57.1 85.7#
138 0.0 97.1 145.7#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.035 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

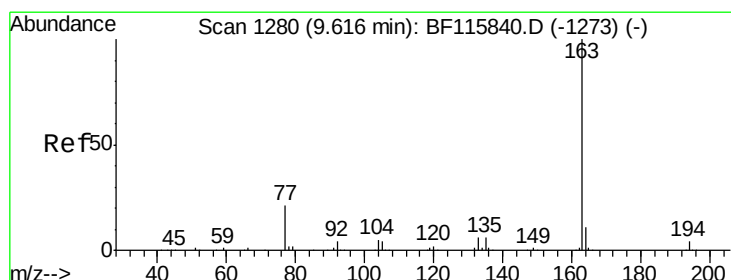
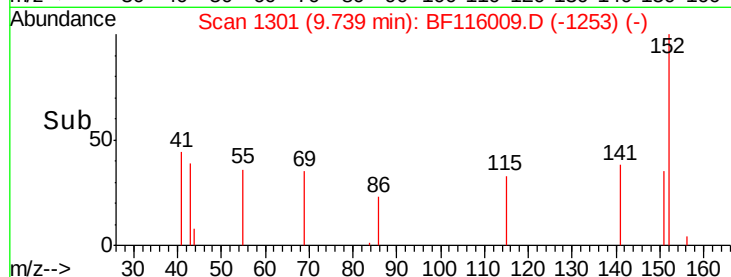
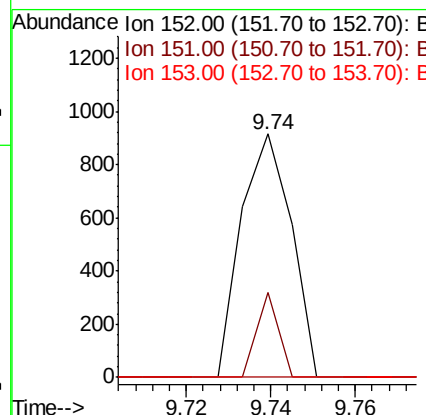
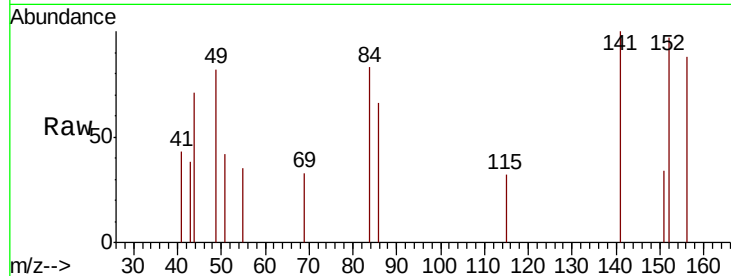
ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion:	152	Resp:	752
Ion Ratio	Lower	Upper	
152	100		
151	35.0	16.8	25.2#
153	0.0	11.6	17.4#

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#50

Dimethylphthalate

Concen: 5.340 ng

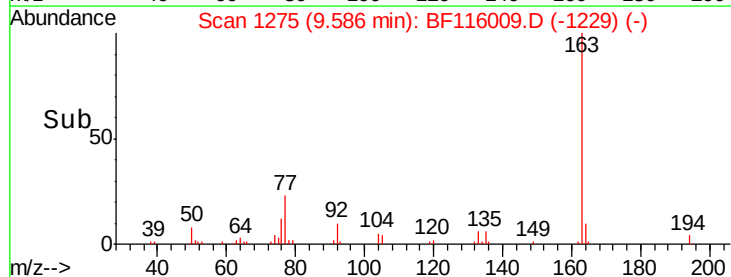
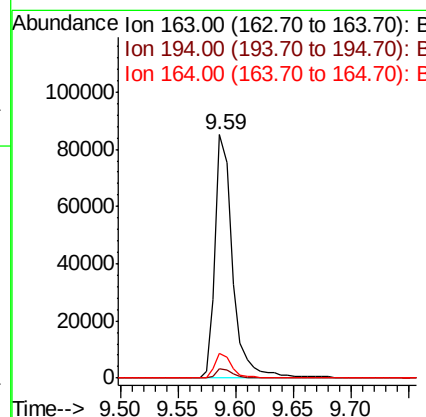
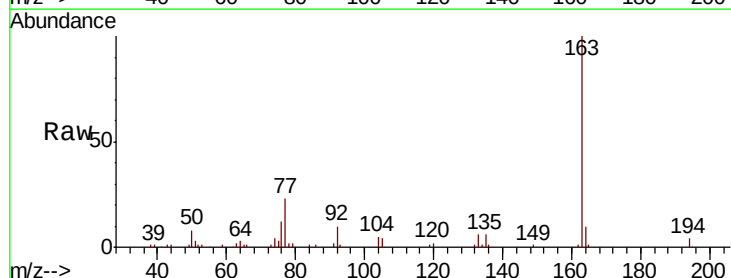
RT: 9.59 min Scan# 1275

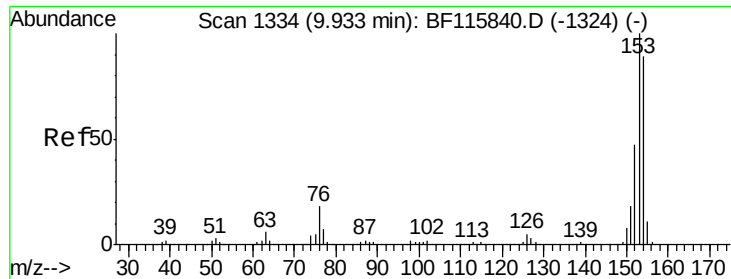
Delta R.T. -0.03 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Tgt Ion:	163	Resp:	90608
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.4	8.4	12.6





#52

Acenaphthene

Concen: 2.767 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

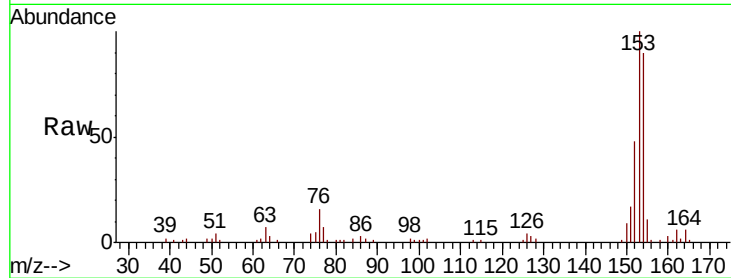
ClientSampleId :

1S-B1-B4-COMP-(0-1)

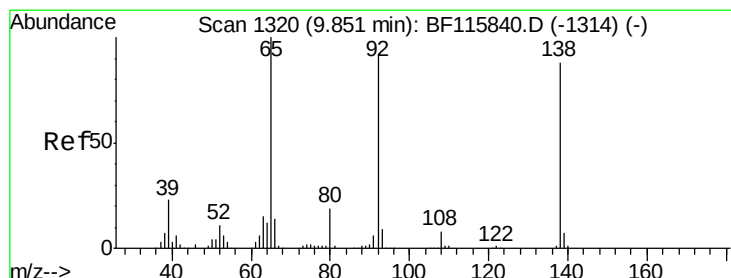
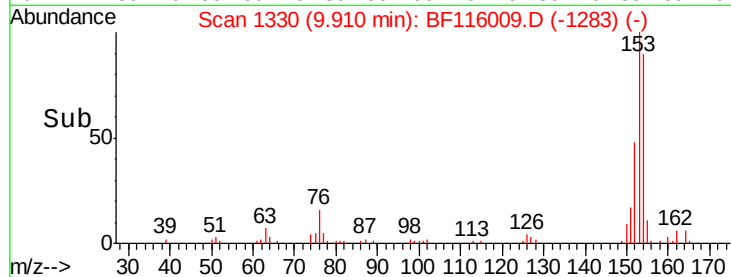
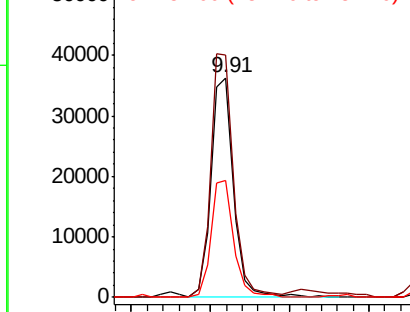
Tot Ion:	154	Resp:	36267
Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.1	135.1
152	53.2	42.6	63.8

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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



#53

3-Nitroaniline

Concen: 0.024 ng

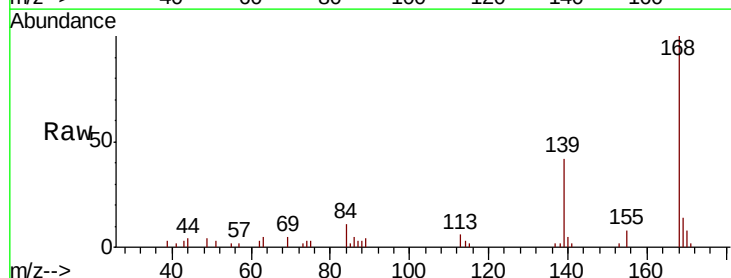
RT: 10.09 min Scan# 1360

Delta R.T. 0.24 min

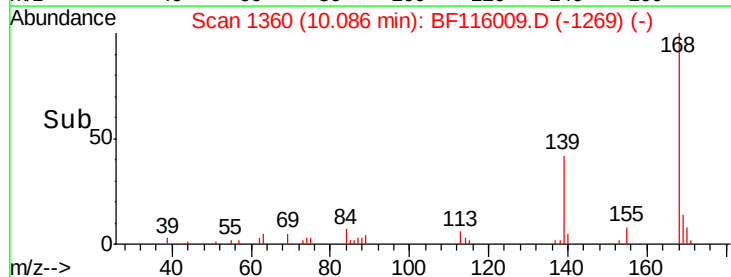
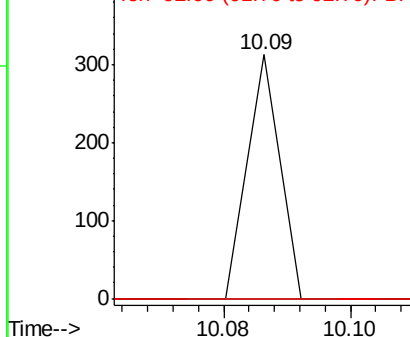
Lab File: BF116009.D

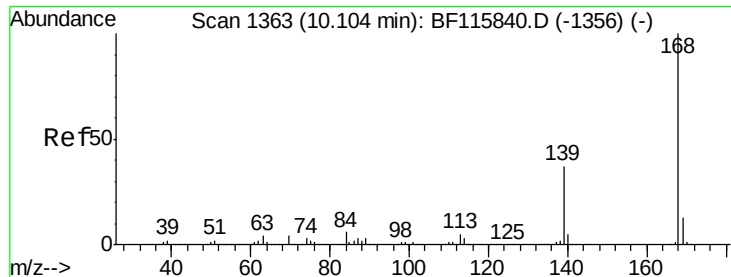
Acq: 6 Aug 2019 13:29

Tgt Ion:	138	Resp:	110
Ion	Ratio	Lower	Upper
138	100		
108	0.0	7.4	11.2#
92	0.0	83.9	125.9#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1





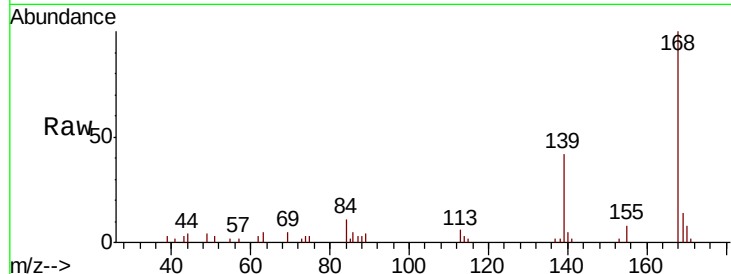
#55
Dibenzenofuran
Concen: 1.109 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.9	30.2	45.2
169	13.7	10.8	16.2

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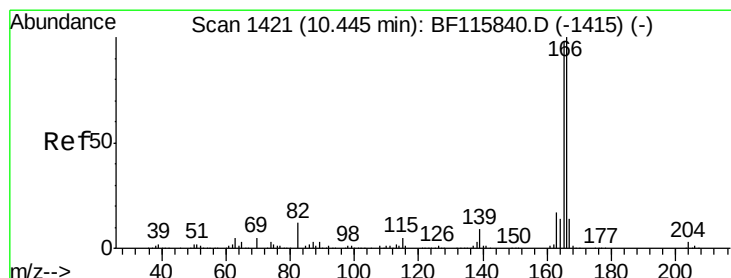
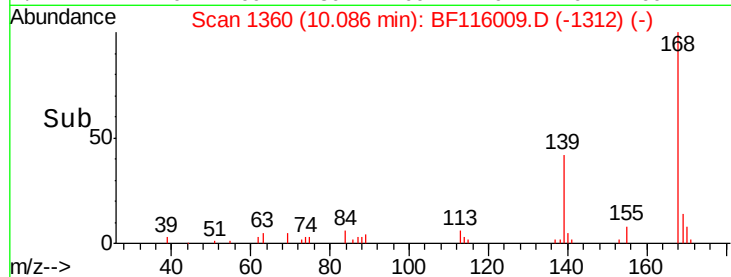
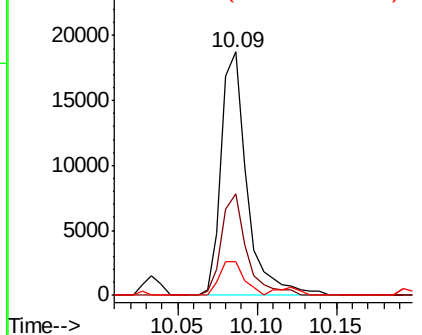


Abundance

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



#58
Fluorene
Concen: 2.302 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

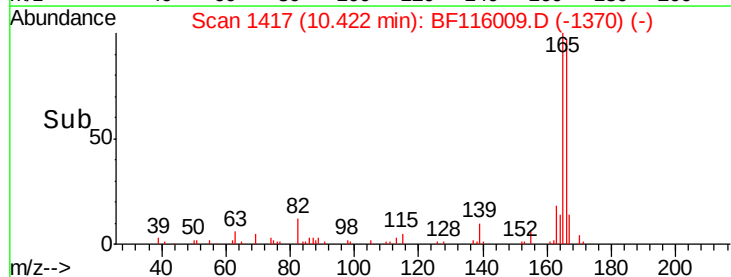
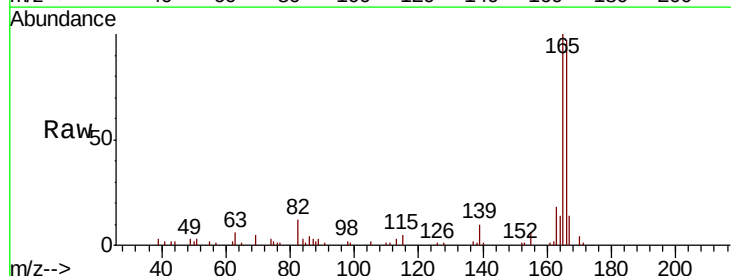
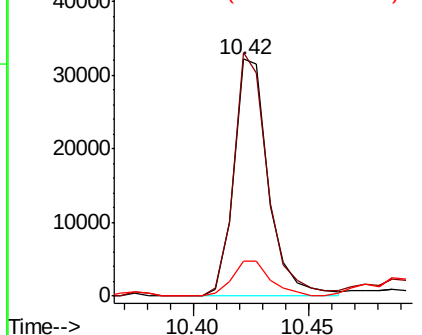
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.7	78.6	118.0
167	14.8	10.9	16.3

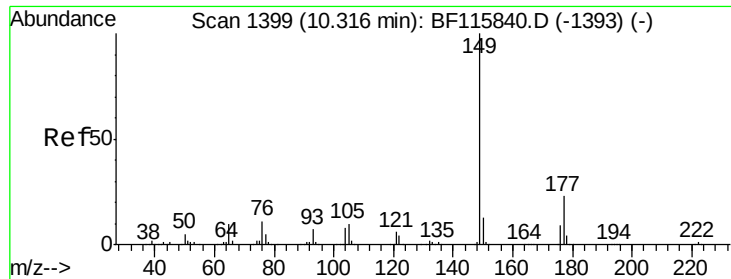
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#60

Diethylphthalate

Concen: 0.381 ng

RT: 10.29 min Scan# 1394

Delta R.T. -0.03 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

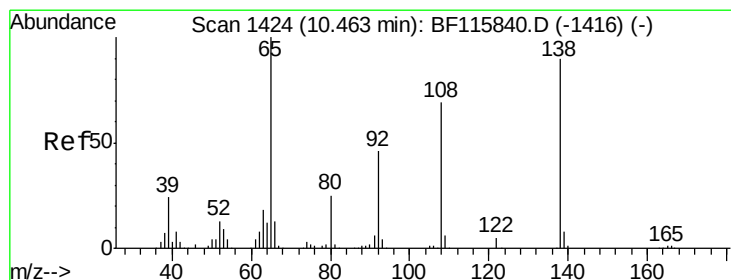
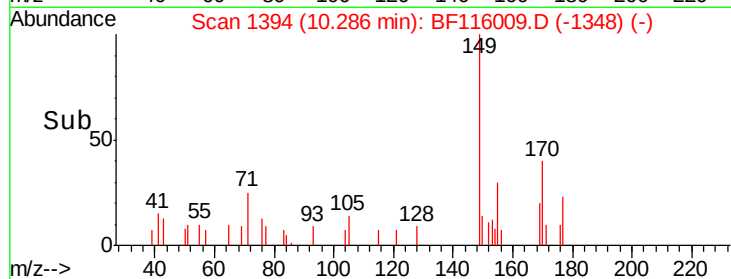
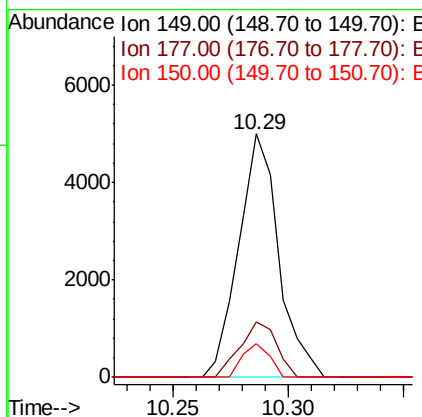
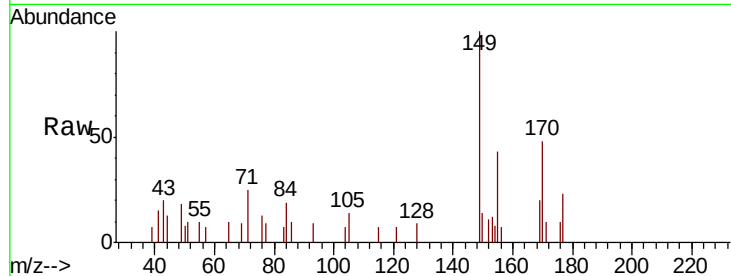
ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion:	149	Resp:	6043
Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.4	27.6
150	13.9	10.1	15.1

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#62

4-Nitroaniline

Concen: 0.029 ng

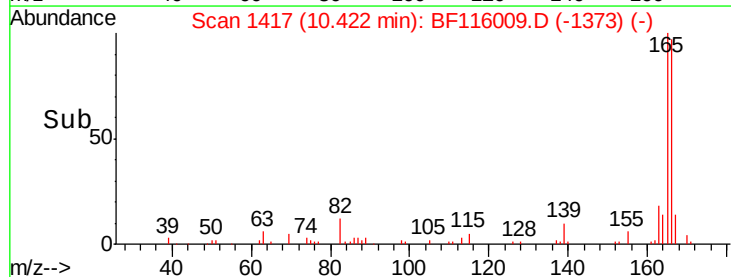
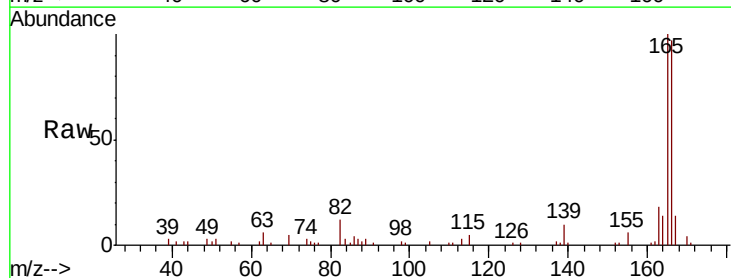
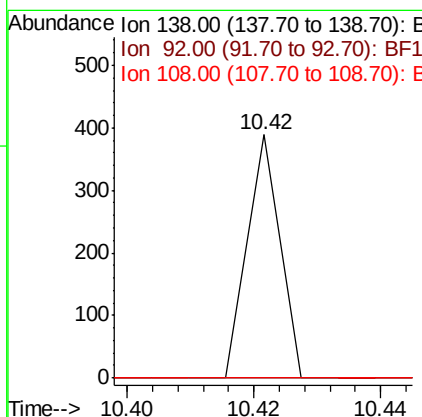
RT: 10.42 min Scan# 1417

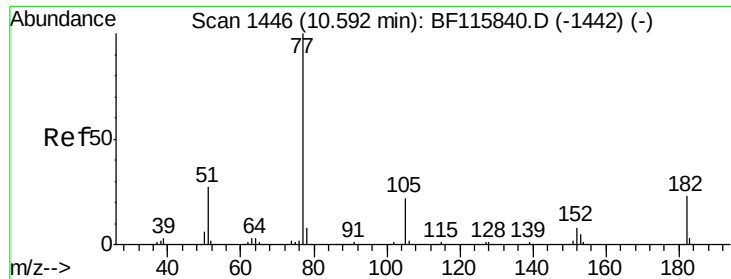
Delta R.T. -0.04 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Tgt Ion:	138	Resp:	137
Ion	Ratio	Lower	Upper
138	100		
92	0.0	31.0	71.0#
108	0.0	56.7	96.7#





#63

Azobenzene

Concen: 0.085 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion: 77 Resp: 1383

Ion Ratio Lower Upper

77 100

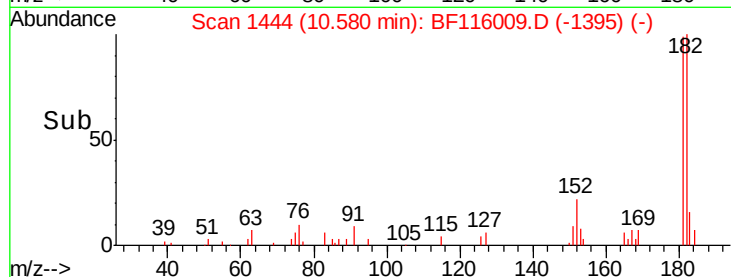
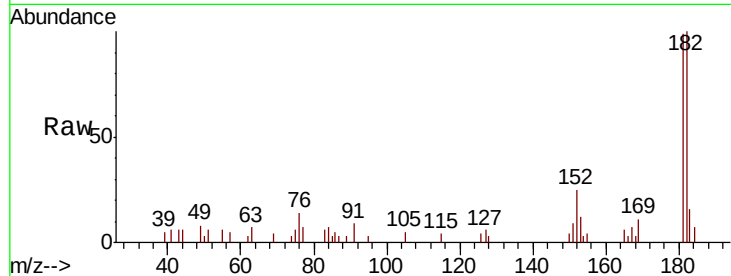
182 1525.7 2.6 42.6

105 70.8 1.6 41.6

51 97.5 7.4 47.4

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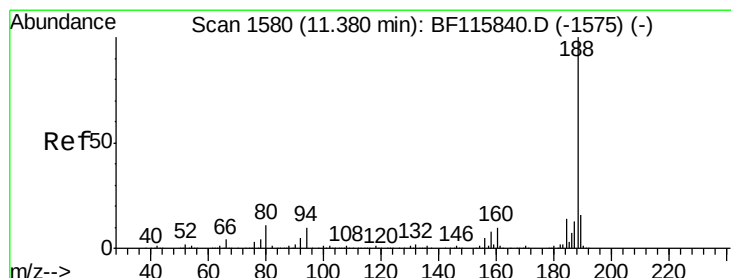
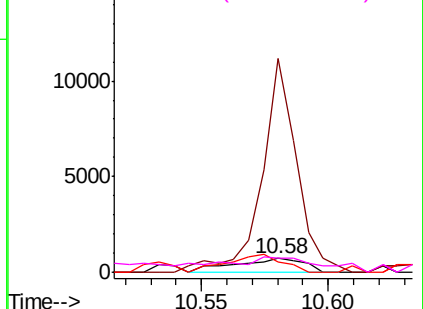


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

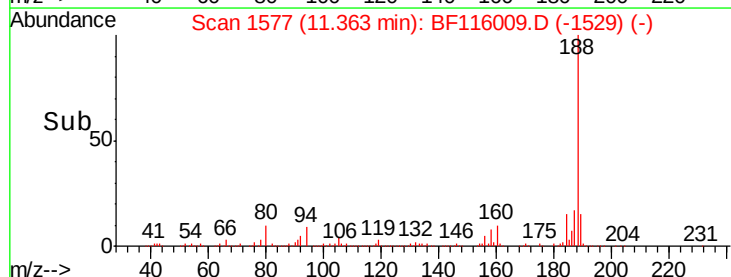
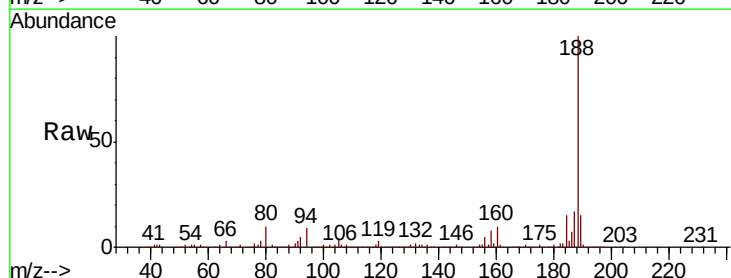
Tgt Ion: 188 Resp: 440875

Ion Ratio Lower Upper

188 100

94 8.9 8.0 12.0

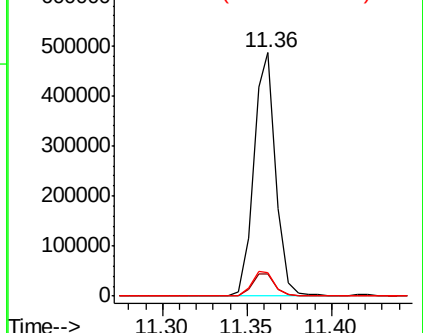
80 9.8 8.6 12.8

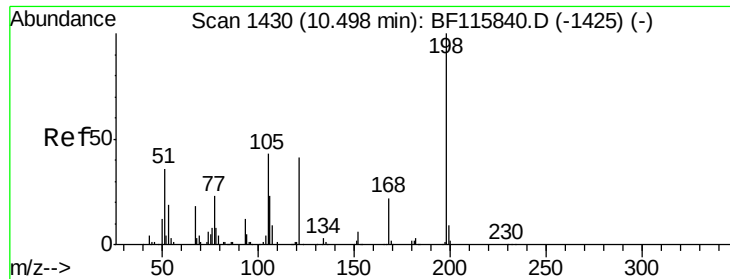


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 0.254 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

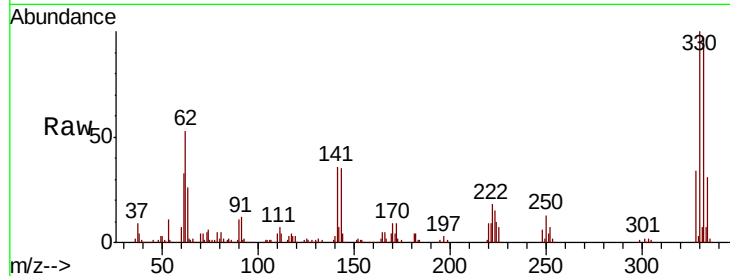
ClientSampleId :

1S-B1-B4-COMP-(0-1)

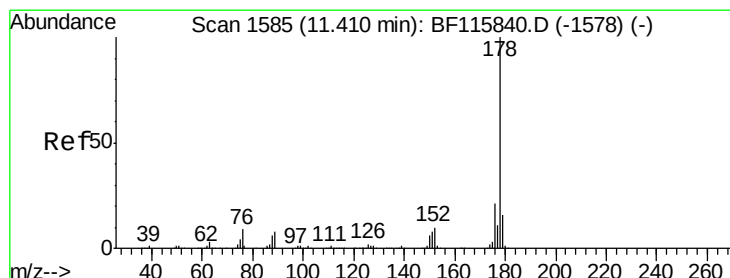
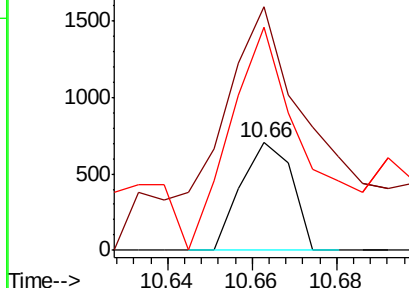
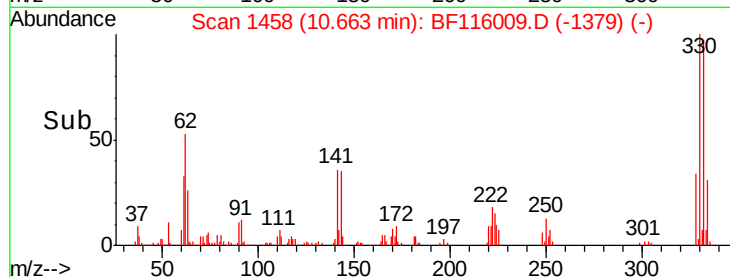
Tot Ion:	198	Resp:	593
Ion	Ratio	Lower	Upper
198	100		
51	226.3	21.1	61.1#
105	207.8	24.5	64.5#

Manual Integrations
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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 26.816 ng

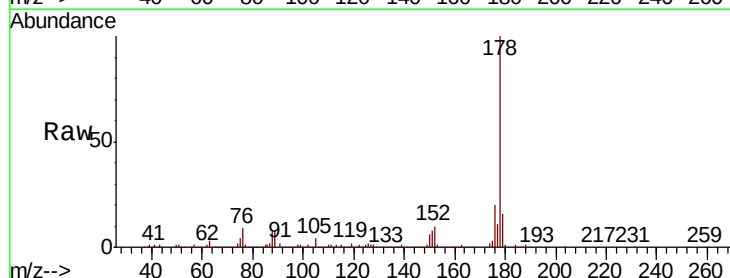
RT: 11.39 min Scan# 1581

Delta R.T. -0.02 min

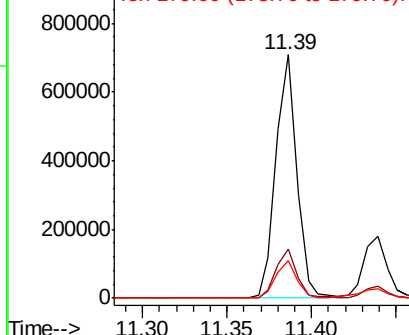
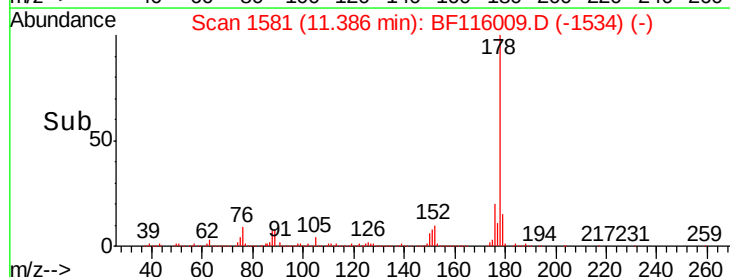
Lab File: BF116009.D

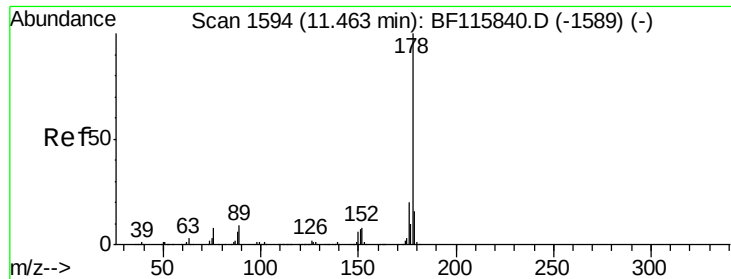
Acq: 6 Aug 2019 13:29

Tgt Ion:	178	Resp:	604387
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	15.5	12.6	18.8



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





#72

Anthracene

Concen: 7.246 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

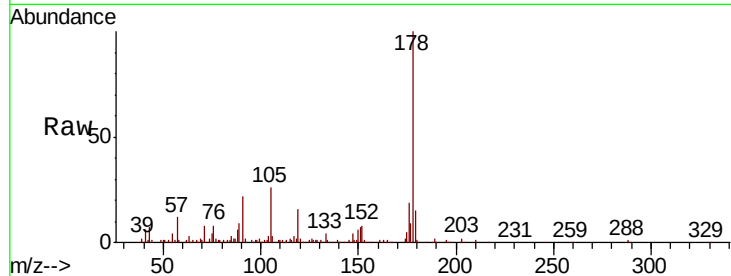
ClientSampleId :

1S-B1-B4-COMP-(0-1)

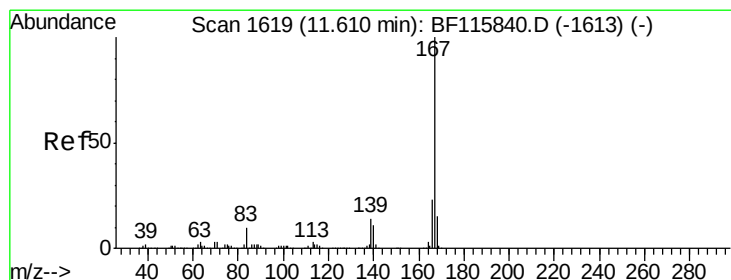
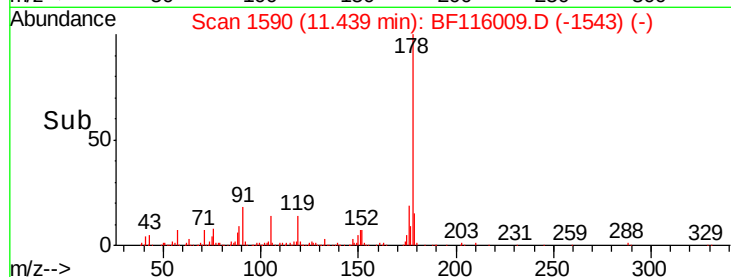
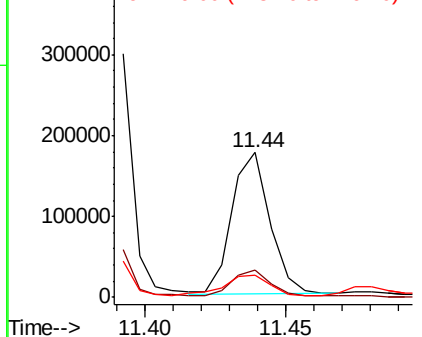
Tot Ion:178	Resp:	165290
Ion Ratio	Lower	Upper
178 100		
176 18.8	15.7	23.5
179 15.3	12.4	18.6

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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: 2.167 ng

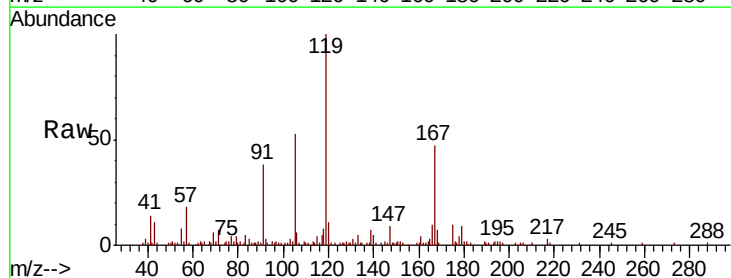
RT: 11.59 min Scan# 1616

Delta R.T. -0.02 min

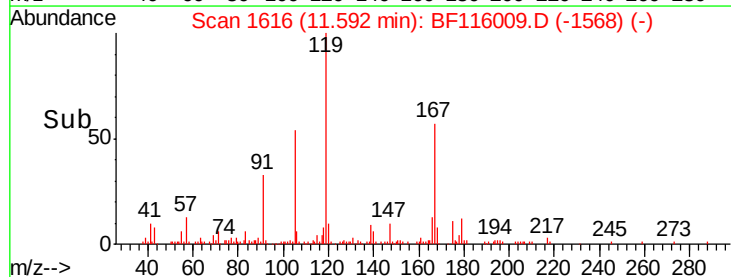
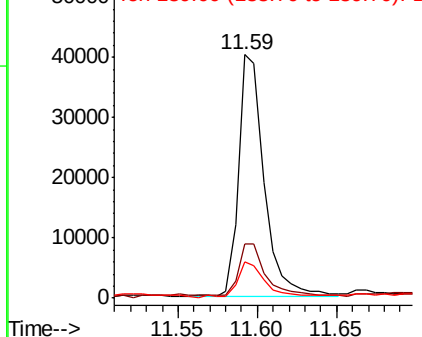
Lab File: BF116009.D

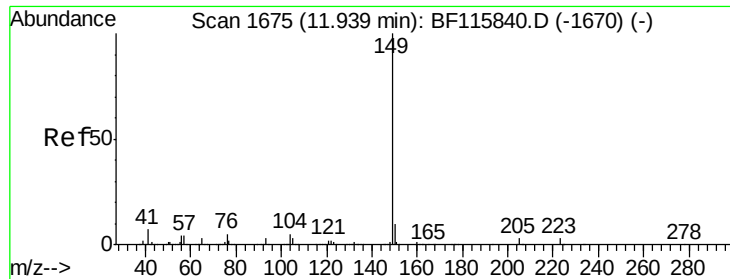
Acq: 6 Aug 2019 13:29

Tgt Ion:167	Resp:	44844
Ion Ratio	Lower	Upper
167 100		
166 22.1	18.0	27.0
139 14.9	11.4	17.2



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





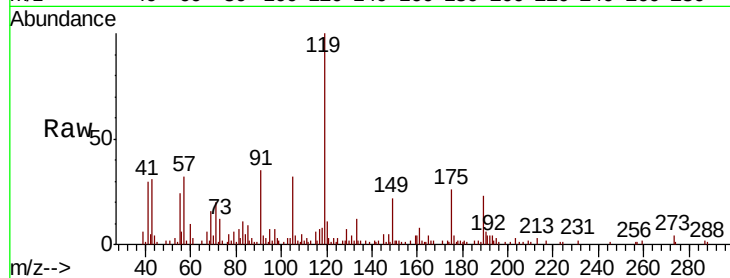
#74
Di-n-butylphthalate
Concen: 0.309 ng
RT: 11.92 min Scan# 1671
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
149	100		
150	10.4	7.7	11.5
104	13.5	4.3	6.5

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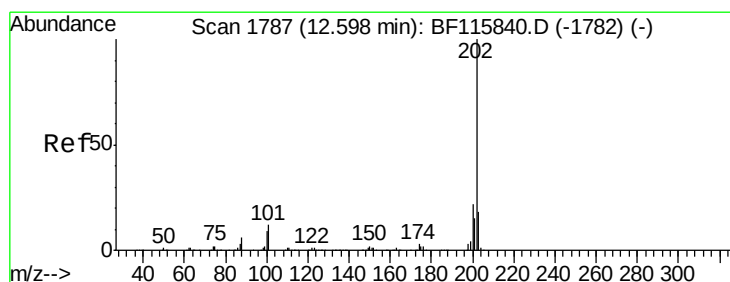
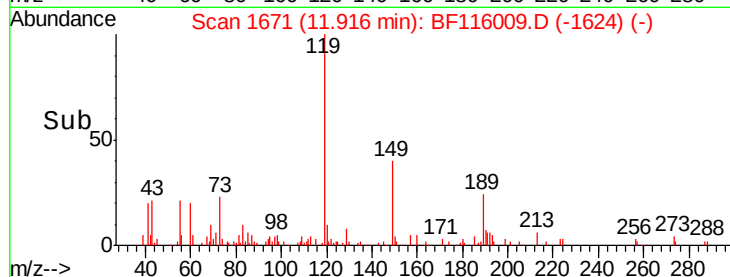
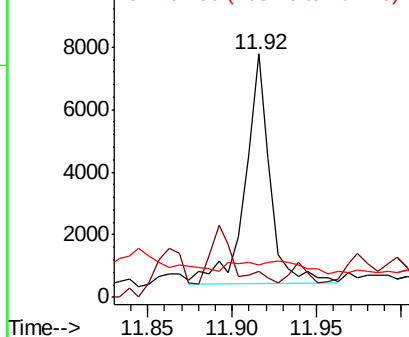


Abundance

Ion 149.00 (148.70 to 149.70): E

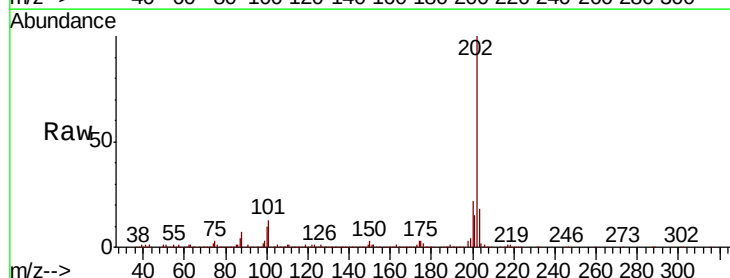
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75
Fluoranthene
Concen: 37.378 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.5
203	18.5	0.0	37.9

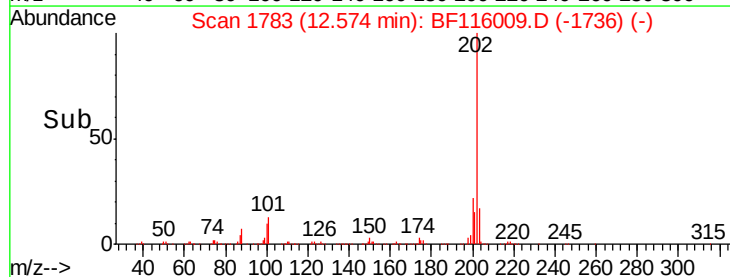
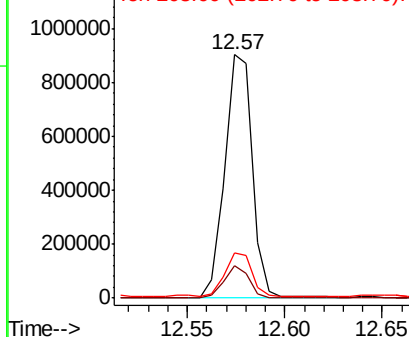


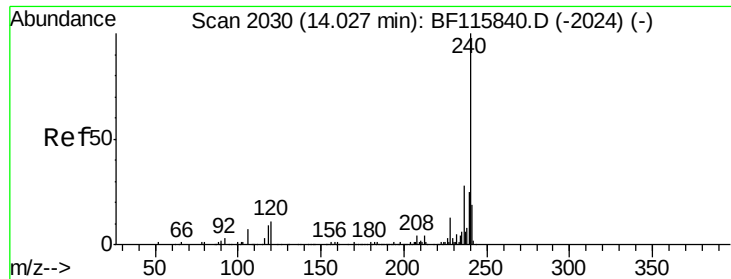
Abundance

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





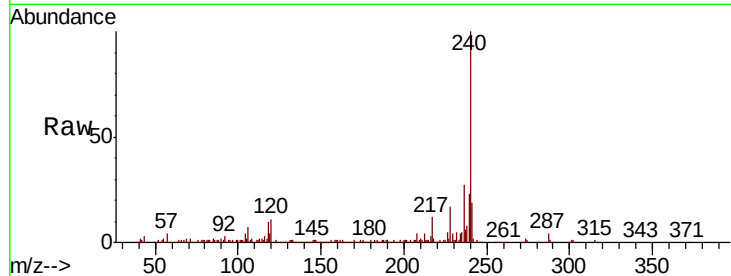
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	303077		
120	11.4	8.5	12.7	
236	26.9	22.2	33.2	

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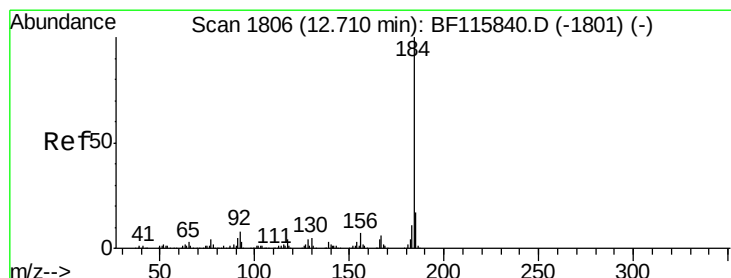
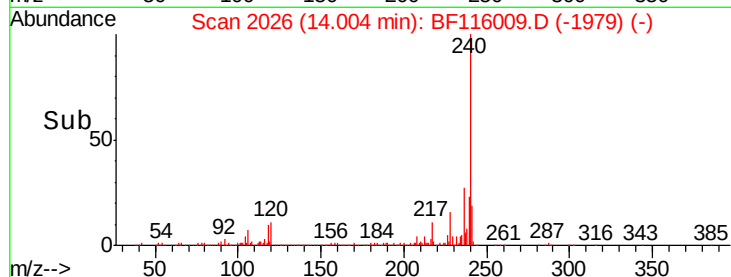
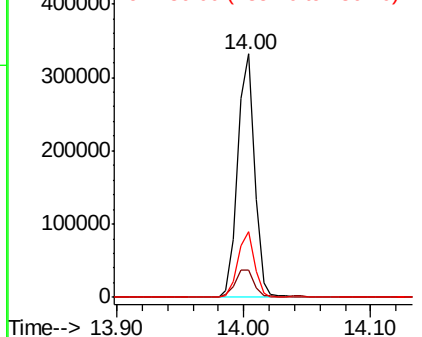


Abundance

Ion 240.00 (239.70 to 240.70): E

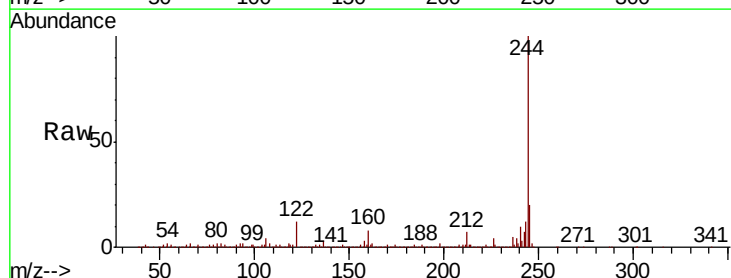
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Benzidine
Concen: 1.605 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.24 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	16437		
185	18.9	13.4	20.2	
183	10.8	9.1	13.7	

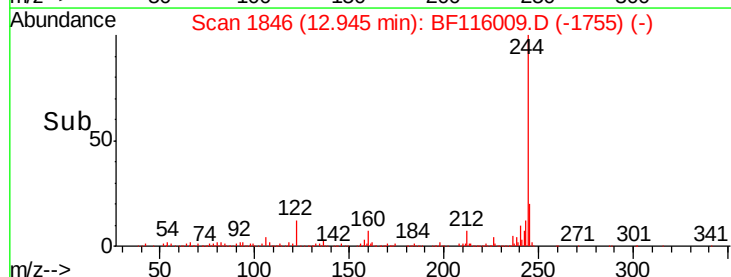
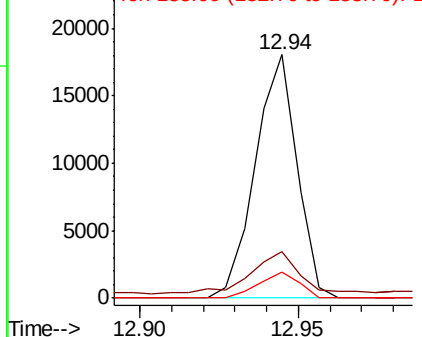


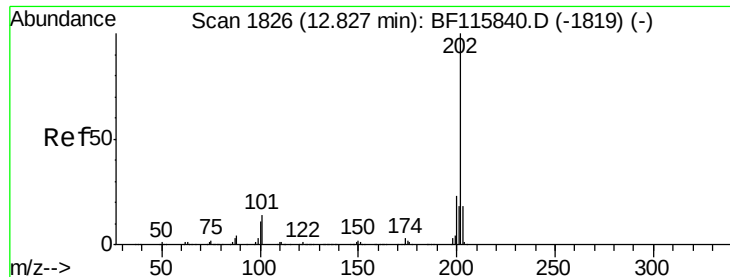
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 32.541 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

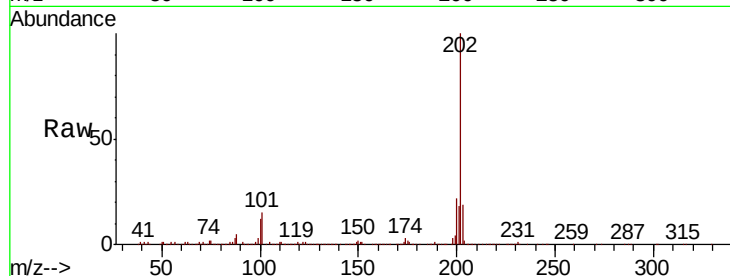
ClientSampleId :

1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.2	27.2
203	18.7	14.3	21.5

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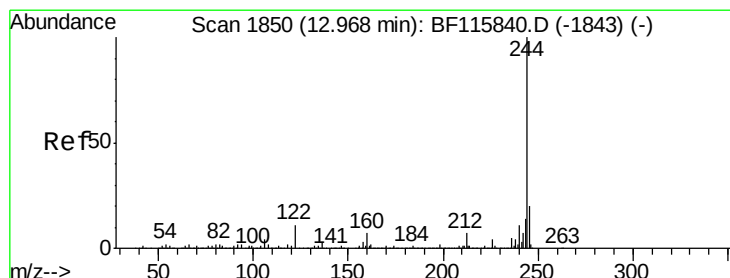
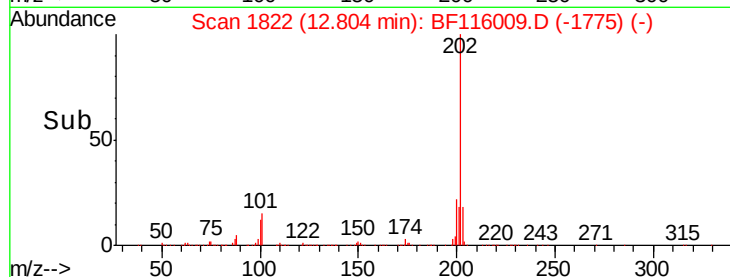
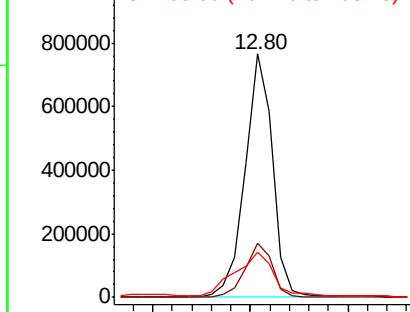


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 84.299 ng

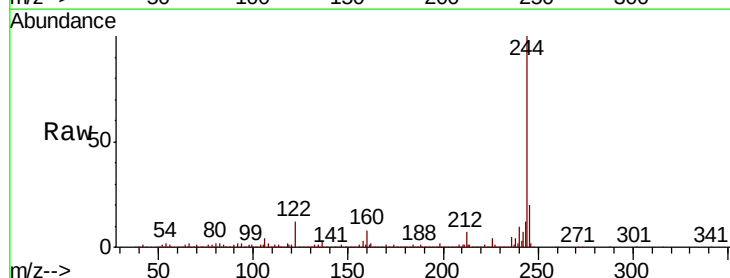
RT: 12.94 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.8	8.6	13.0

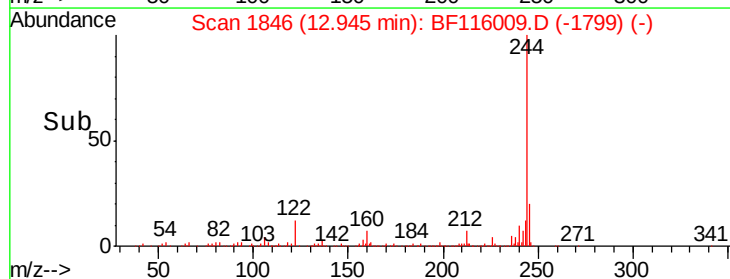
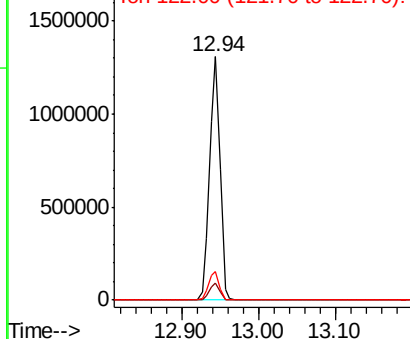


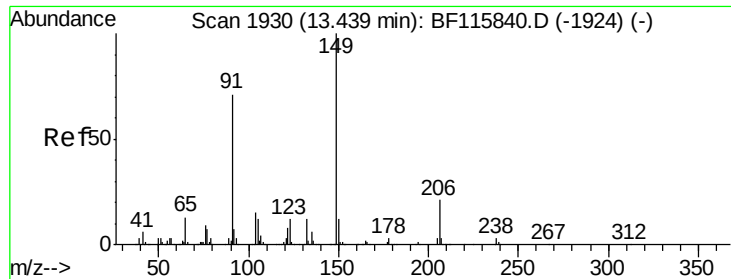
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





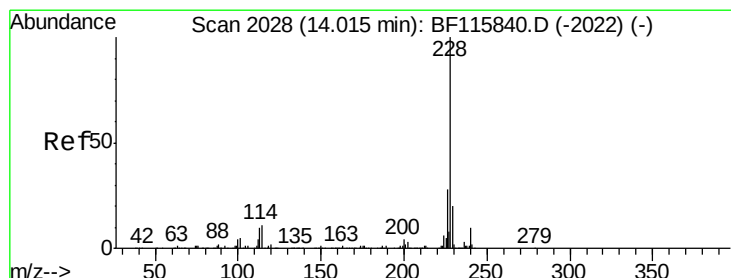
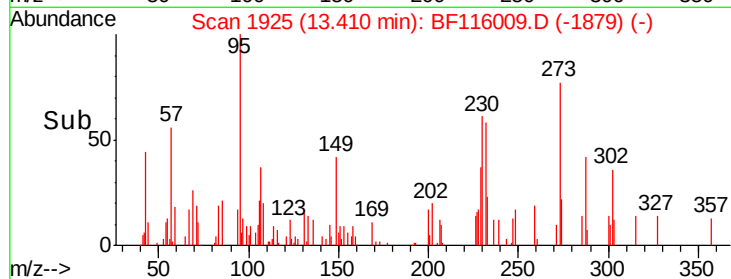
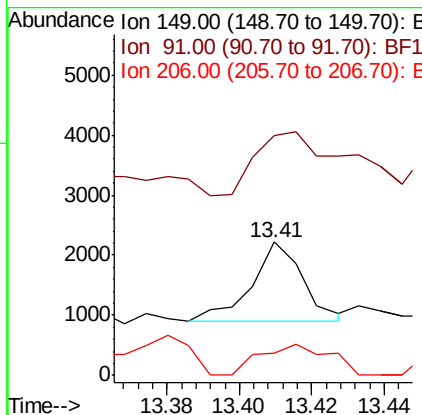
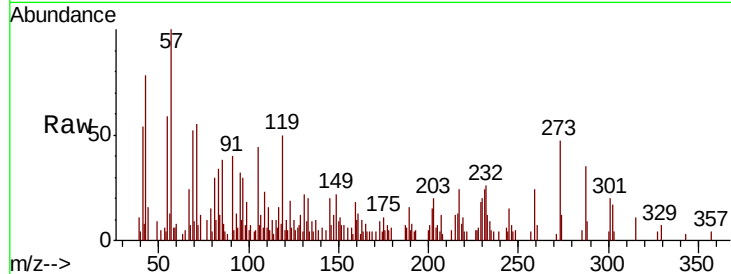
#80
Butylbenzylphthalate
Concen: 0.132 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
149	100		
91	179.3	57.0	85.6#
206	17.0	16.9	25.3

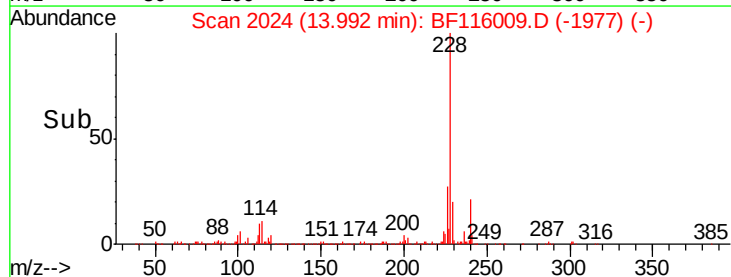
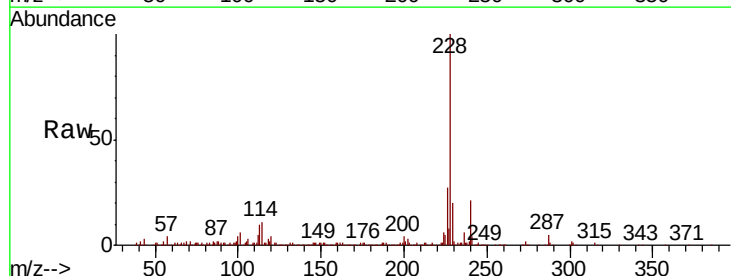
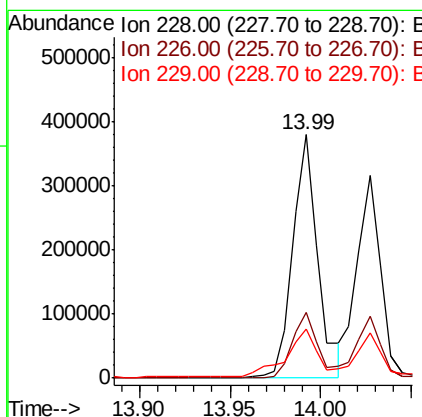
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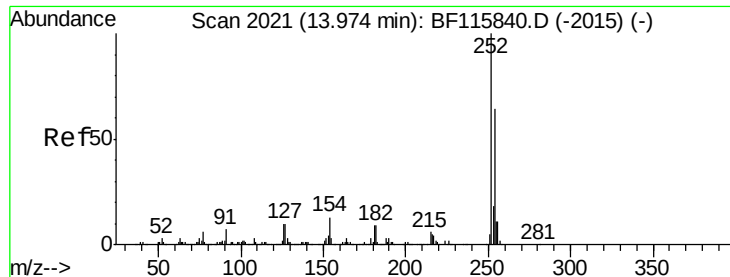
mohammad
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#81
Benzo(a)anthracene
Concen: 19.081 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.5	33.7
229	20.3	16.1	24.1





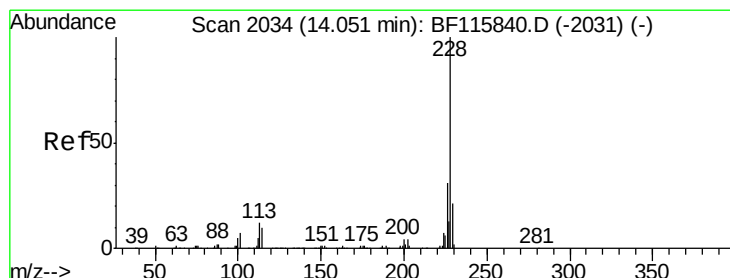
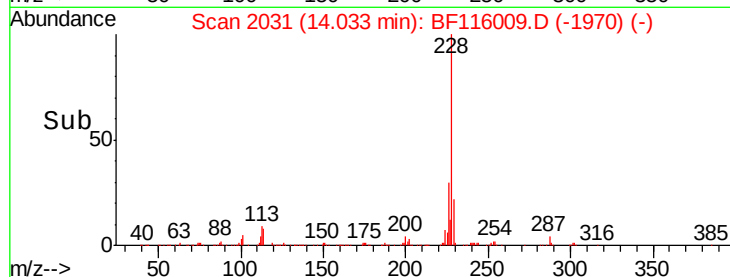
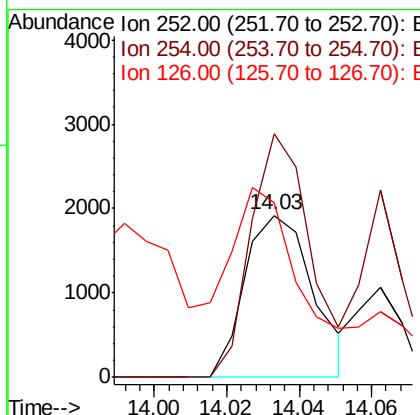
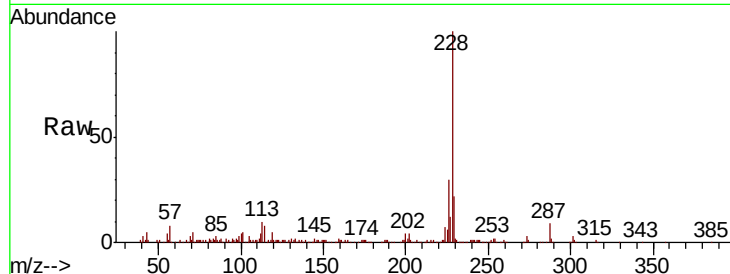
#82
 3,3'-Dichlorobenzidine
 Concen: 0.373 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.06 min
 Lab File: BF116009.D
 Acq: 6 Aug 2019 13:29

Instrument :
 BNA_F
 ClientSampleId :
 1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
254	150.2	51.2	76.8#
126	107.3	8.1	12.1#

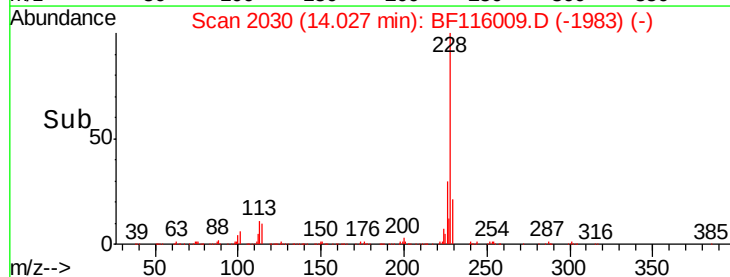
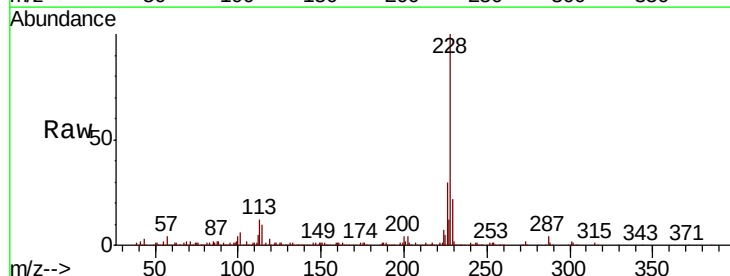
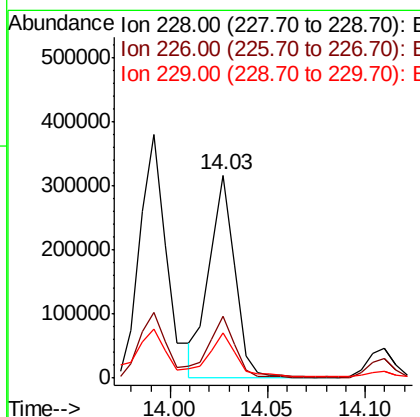
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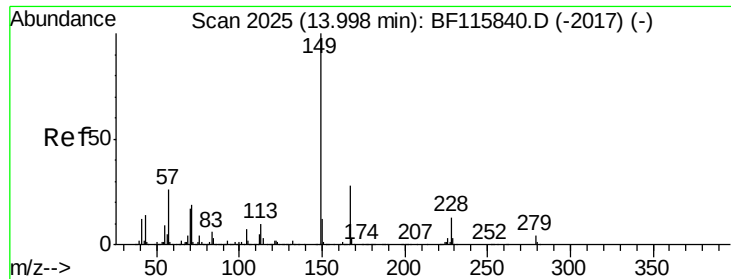
mohammad
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#83
 Chrysene
 Concen: 15.432 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.02 min
 Lab File: BF116009.D
 Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.8	37.2
229	22.2	16.4	24.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.545 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

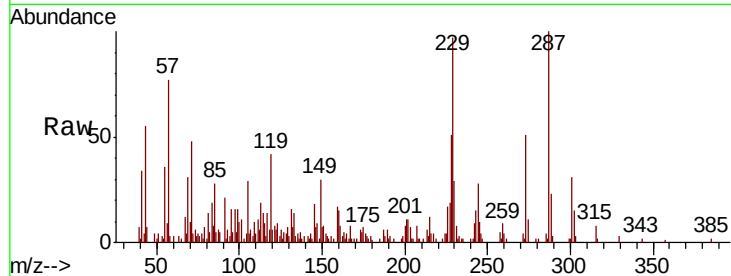
ClientSampleId :

1S-B1-B4-COMP-(0-1)

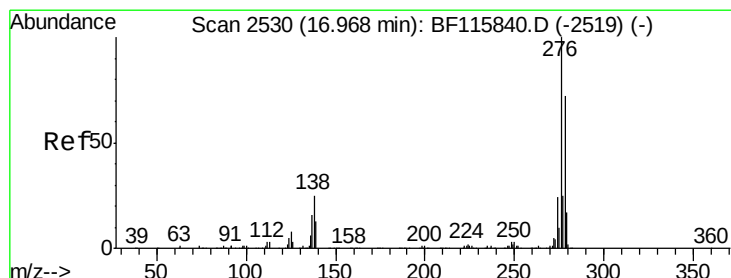
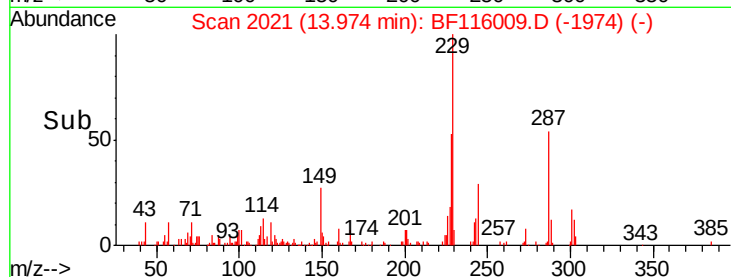
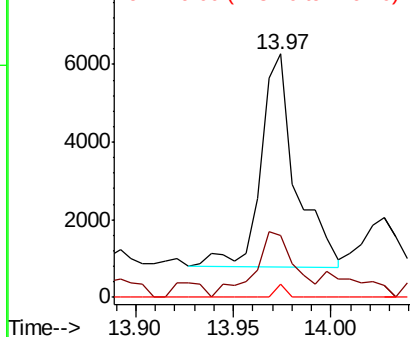
Tot Ion:	149	Resp:	6847
Ion Ratio	Lower	Upper	
149	100		
167	25.3	22.4	33.6
279	5.3	3.3	4.9#

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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



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.810 ng

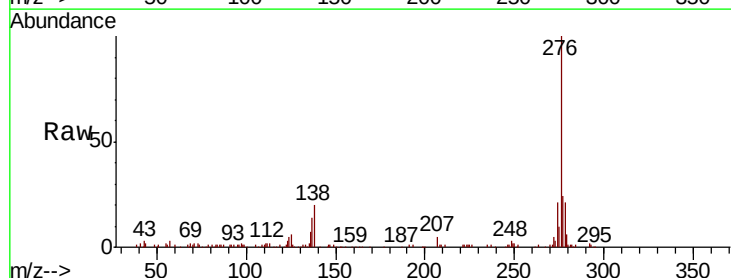
RT: 16.93 min Scan# 2523

Delta R.T. -0.04 min

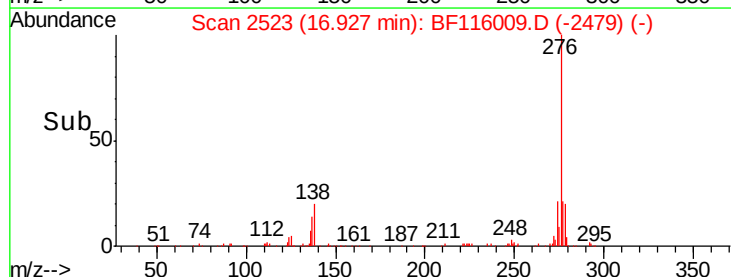
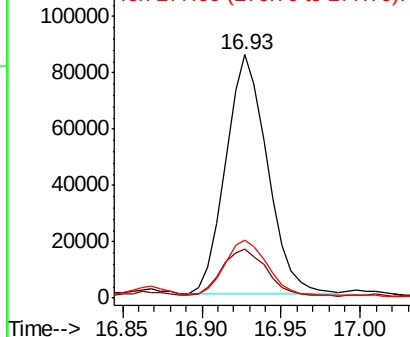
Lab File: BF116009.D

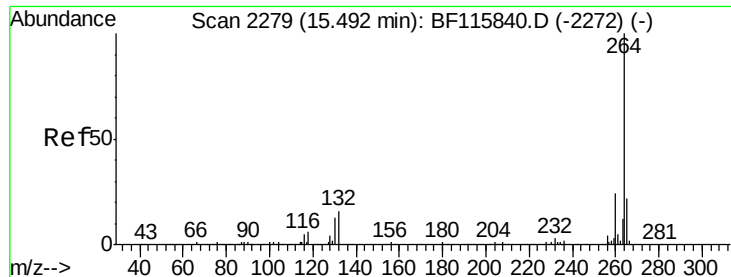
Acq: 6 Aug 2019 13:29

Tgt Ion:	276	Resp:	154953
Ion Ratio	Lower	Upper	
276	100		
138	22.0	19.6	29.4
277	23.6	20.1	30.1



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





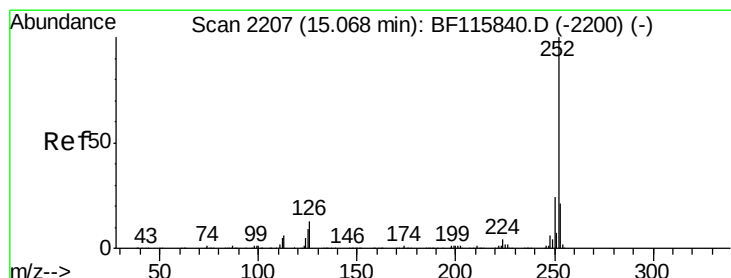
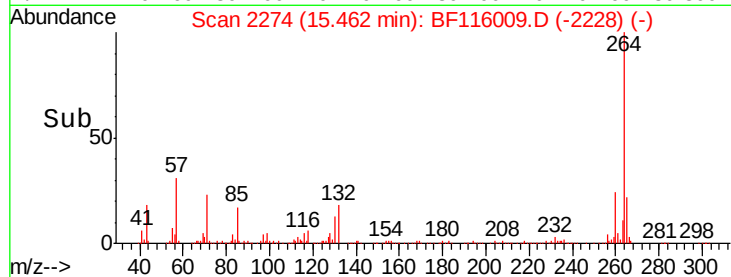
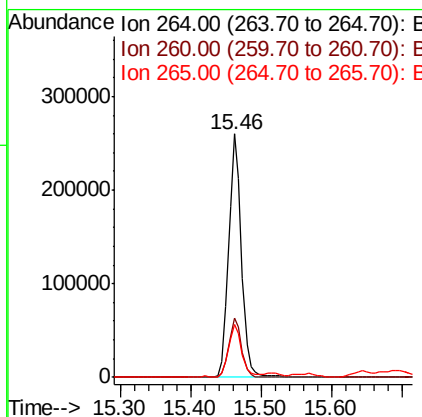
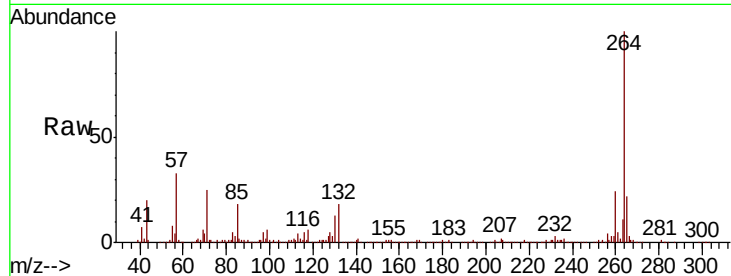
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	21.8	17.5	26.3

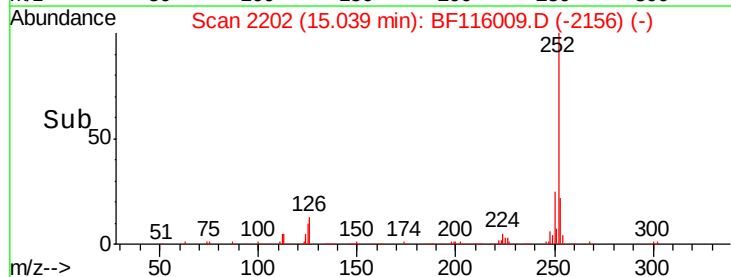
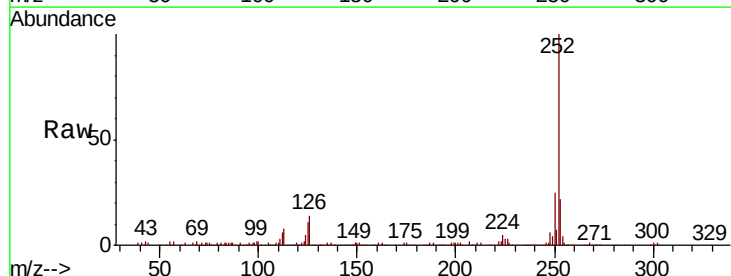
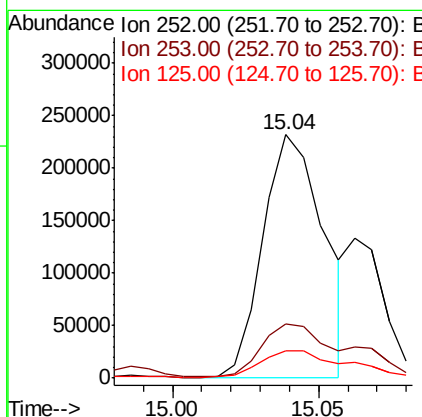
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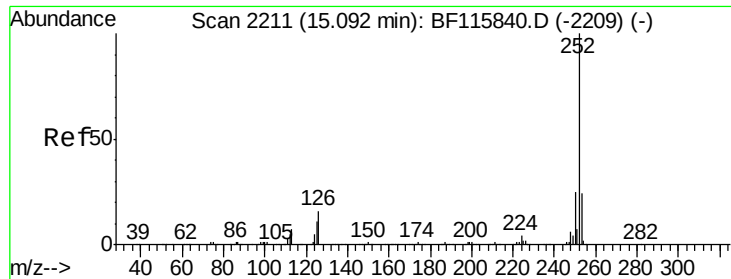
mohammad
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#88
Benzo(b)fluoranthene
Concen: 17.706 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.3	7.4	11.0





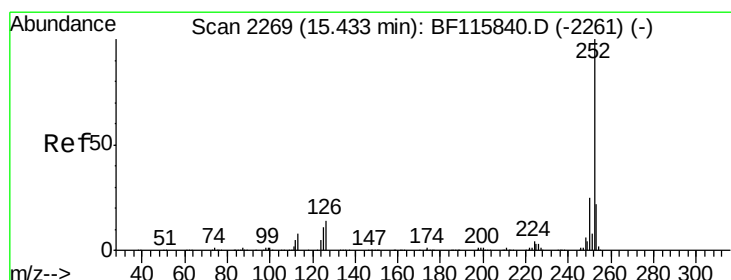
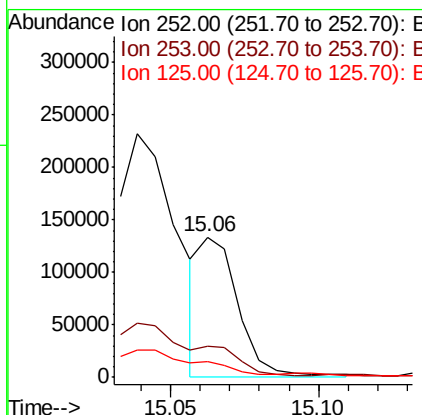
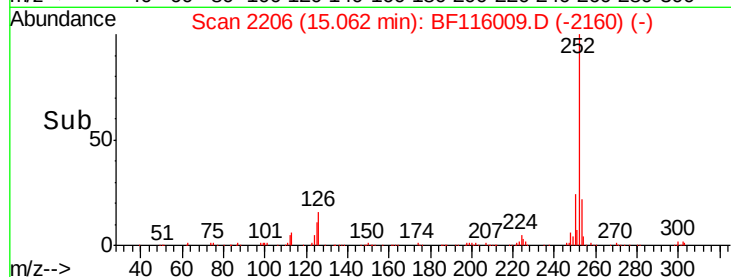
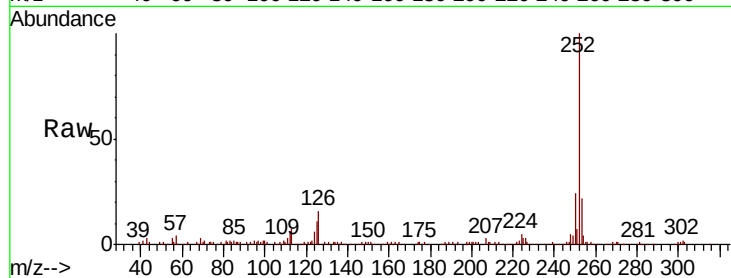
#89
Benzo(k)fluoranthene
Concen: 6.572 ng/mL
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Instrument :
BNA_F
ClientSampleId :
1S-B1-B4-COMP-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	11.4	8.9	13.3

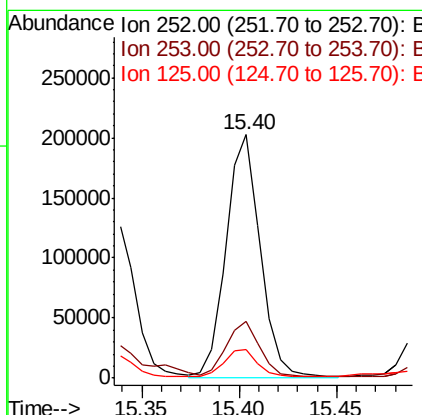
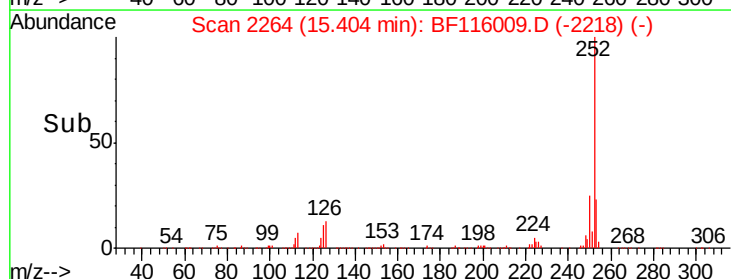
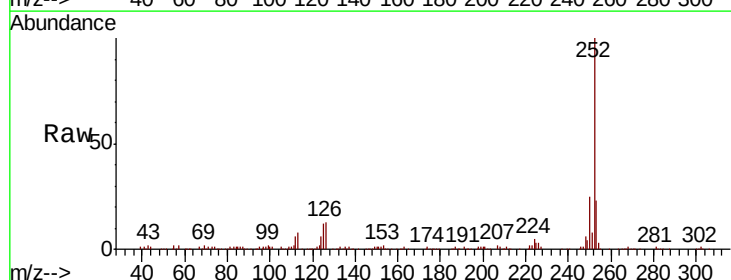
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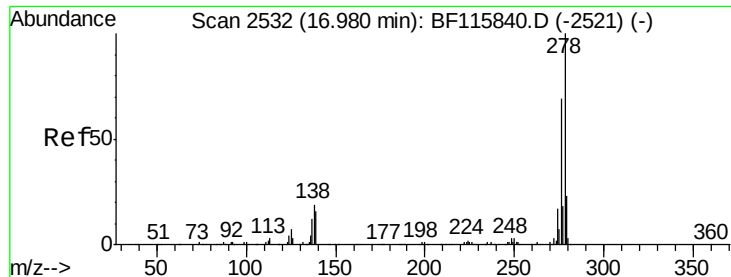
mohammad
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#90
Benzo(a)pyrene
Concen: 14.365 ng/mL
RT: 15.40 min Scan# 2264
Delta R.T. -0.03 min
Lab File: BF116009.D
Acq: 6 Aug 2019 13:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.6	8.8	13.2





#91

Dibenzo(a,h)anthracene

Concen: 2.764 ng/mL

RT: 16.93 min Scan# 2523

Delta R.T. -0.05 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Instrument :

BNA_F

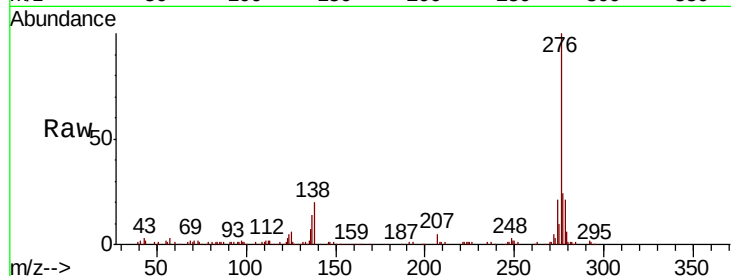
ClientSampleId :

1S-B1-B4-COMP-(0-1)

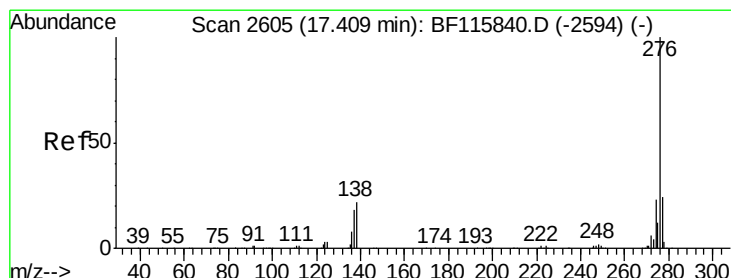
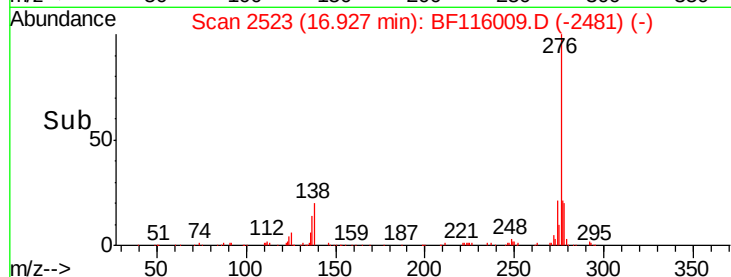
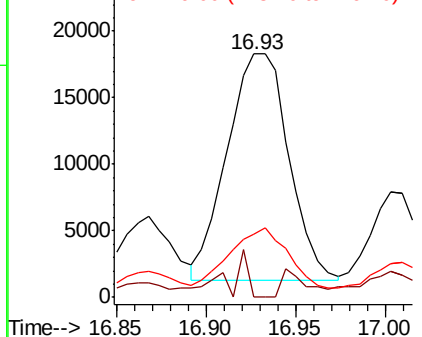
Tot Ion:	278	Resp:	40602
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.6	19.0#
279	26.1	18.8	28.2

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 9.851 ng/mL

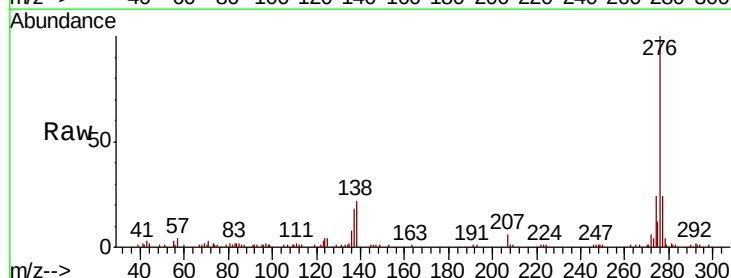
RT: 17.37 min Scan# 2598

Delta R.T. -0.04 min

Lab File: BF116009.D

Acq: 6 Aug 2019 13:29

Tgt Ion:	276	Resp:	142100
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.5	29.3
138	21.6	17.8	26.8



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

