

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116011.D
 Acq On : 6 Aug 2019 14:22
 Operator : HP/JU
 Sample : K4135-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(30)

Manual Integrations
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 8/7/2019 4:41:50 PM

Quant Time: Aug 07 03:32:14 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	125912	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	486694	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	256720	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	440724	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	291640	20.00	ng	-0.02
87) Perylene-d12	15.46	264	339933	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	706380	93.92	ng	0.00
7) Phenol-d6	6.47	99	927373	97.73	ng	-0.01
23) Nitrobenzene-d5	7.40	82	590809	70.07	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	210676	84.64	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1009426	73.65	ng	-0.02
79) Terphenyl-d14	12.94	244	1020486	73.73	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.52	88	336	0.088	ng	# 1
4) n-Nitrosodimethylamine	3.33	42	108	0.026	ng	# 1
6) Aniline	6.49	93	170	0.013	ng	# 1
9) Benzaldehyde	6.47	77	1476	0.225	ng	# 1
10) Phenol	6.49	94	13837	1.238	ng	# 66
11) bis(2-Chloroethyl)ether	6.62	93	983	0.120	ng	# 1
15) Benzyl Alcohol	7.00	79	10106	1.403	ng	# 49
24) Nitrobenzene	7.40	77	1640	0.180	ng	# 36
31) Naphthalene	8.15	128	3103	0.135	ng	# 95
33) 4-Chloroaniline	8.15	127	248	0.024	ng	# 33
37) 2-Methylnaphthalene	8.94	142	1194	0.079	ng	# 98
38) 1-Methylnaphthalene	8.94	142	1194	0.084	ng	# 99
46) 1,1'-Biphenyl	9.30	154	2382	0.131	ng	# 91
47) 2-Chloronaphthalene	9.59	162	458	0.030	ng	# 1
48) 2-Nitroaniline	9.59	65	789	0.158	ng	# 1
49) Acenaphthylene	9.74	152	658	0.030	ng	# 59
50) Dimethylphthalate	9.59	163	96336	5.511	ng	# 99
52) Acenaphthene	9.91	154	25371	1.879	ng	# 96
55) Dibenzofuran	10.09	168	14668	0.747	ng	# 99
56) 4-Nitrophenol	10.09	139	5871	1.953	ng	# 8
58) Fluorene	10.43	166	25571	1.693	ng	# 97
60) Diethylphthalate	10.29	149	3297	0.202	ng	# 97
63) Azobenzene	10.58	77	835	0.050	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.66	198	199	0.085	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	1767	0.133	ng	# 58
71) Phenanthrene	11.39	178	426097	18.912	ng	# 99
72) Anthracene	11.44	178	126759	5.559	ng	# 98
73) Carbazole	11.60	167	30020	1.451	ng	# 98
74) Di-n-butylphthalate	11.92	149	5283	0.219	ng	# 88
75) Fluoranthene	12.57	202	620635	26.312	ng	# 98
77) Benzidine	12.94	184	13896	1.410	ng	# 97
78) Pyrene	12.80	202	529743	24.096	ng	# 99
80) Butylbenzylphthalate	13.41	149	888	0.095	ng	# 72
81) Benzo(a)anthracene	13.99	228	260070	13.952	ng	# 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	14.00	252	112	0.017	nq	# 1
83) Chrysene	14.03	228	199849	11.043	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	3204	0.265	nq	# 89
85) Di-n-octyl phthalate	14.59	149	280	0.015	nq	# 78
86) Indeno(1,2,3-cd)pyrene	16.93	276	125823	8.278	nq	94
88) Benzo(b)fluoranthene	15.04	252	259156m	13.185	nq	
89) Benzo(k)fluoranthene	15.06	252	87448m	4.568	nq	
90) Benzo(a)pyrene	15.40	252	194989	11.098	nq	100
92) Benzo(g,h,i)perylene	17.37	276	115329	7.721	nq	99

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

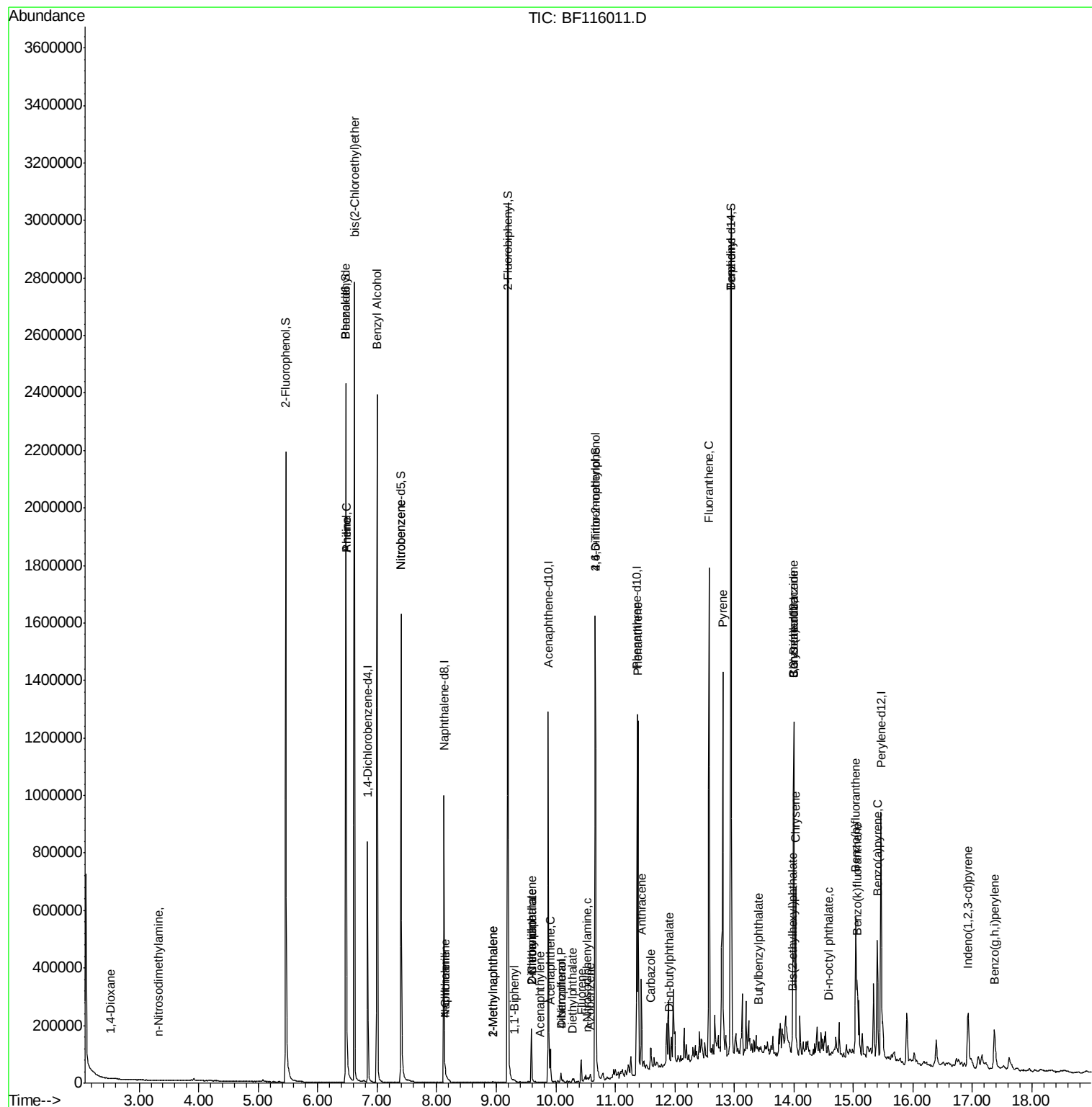
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
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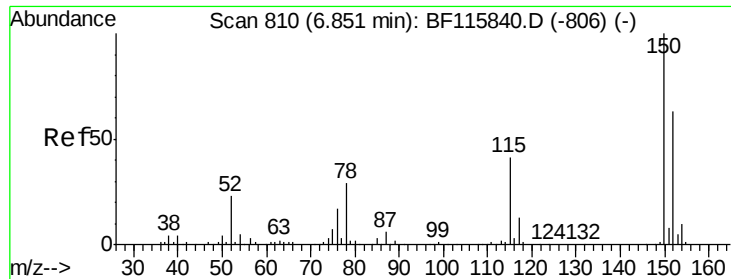
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#1

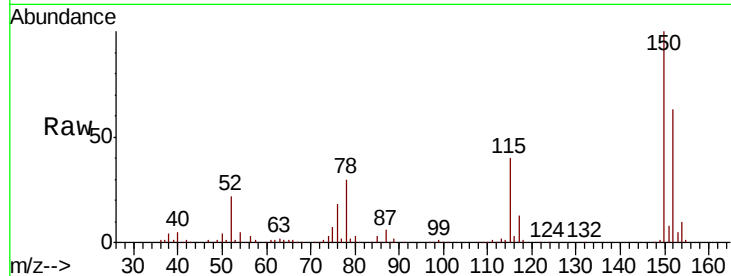
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	127.4	191.0
115	63.0	51.8	77.8

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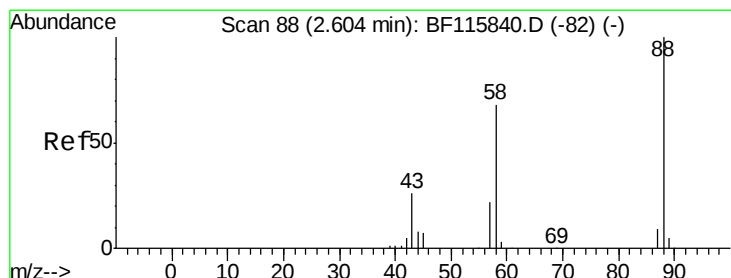
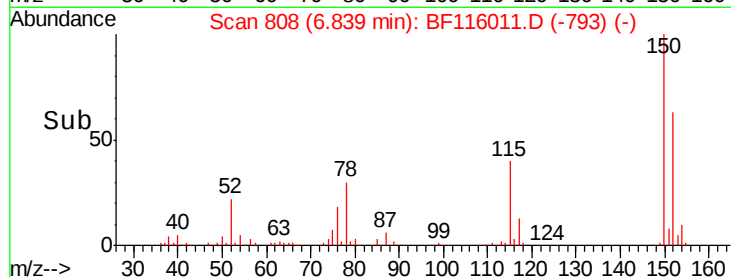
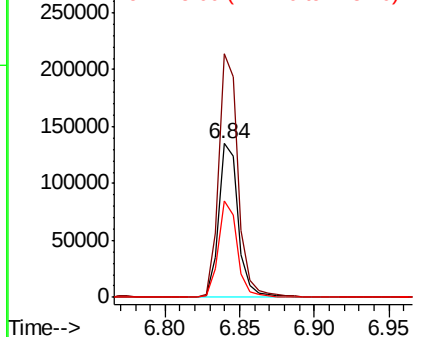


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.088 ng
RT: 2.52 min Scan# 74
Delta R.T. -0.08 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

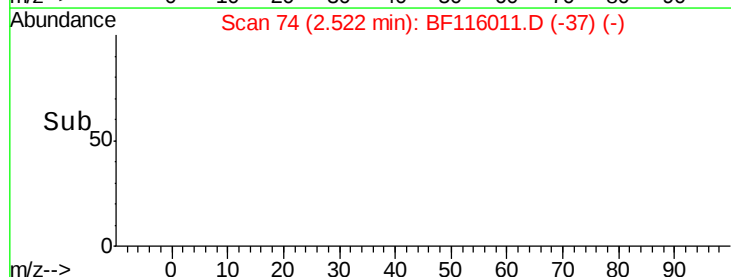
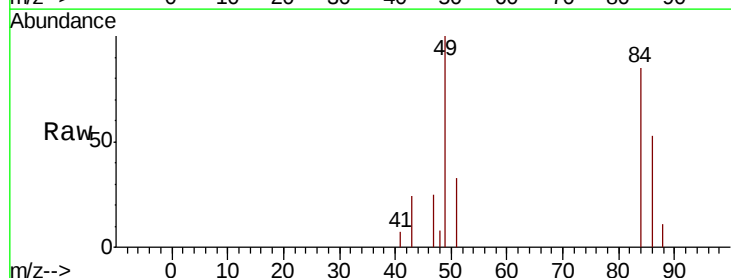
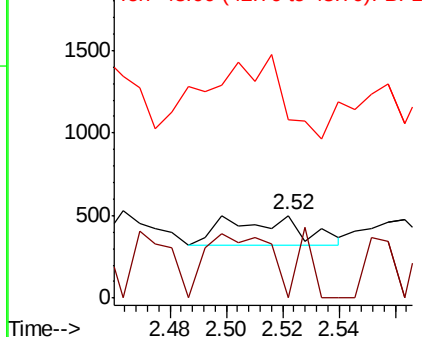
Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	54.1	81.1#
43	281.0	20.7	31.1#

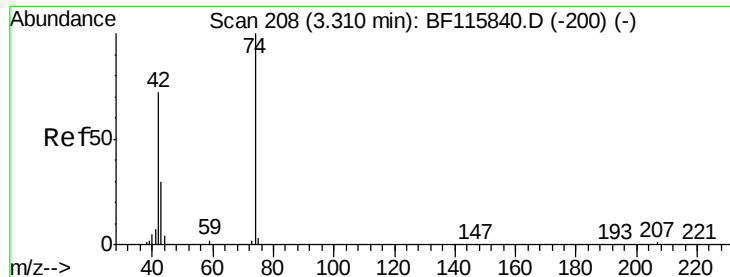
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#4

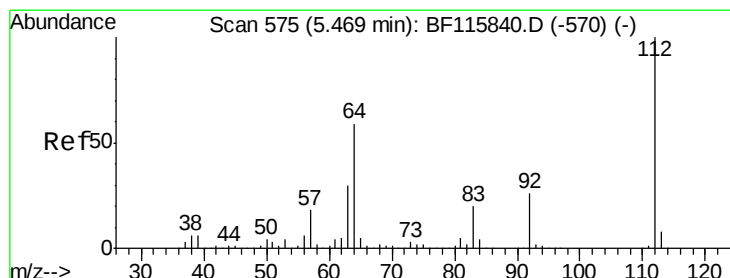
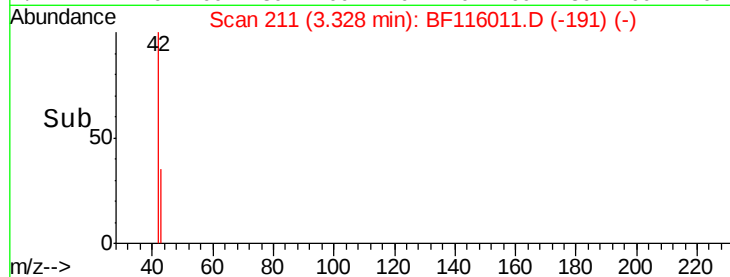
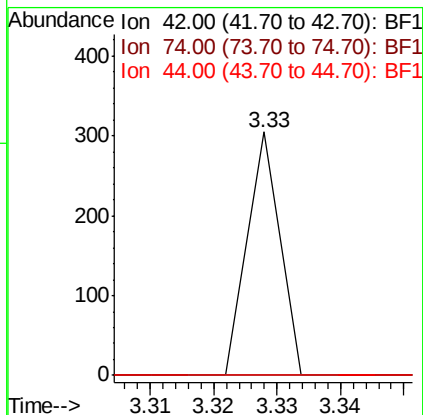
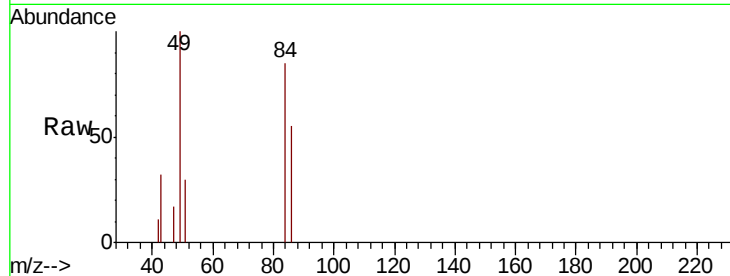
n-Nitrosodimethylamine
 Concen: 0.026 ng
 RT: 3.33 min Scan# 211
 Delta R.T. 0.02 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	111.0	166.4#
44	0.0	4.7	7.1#

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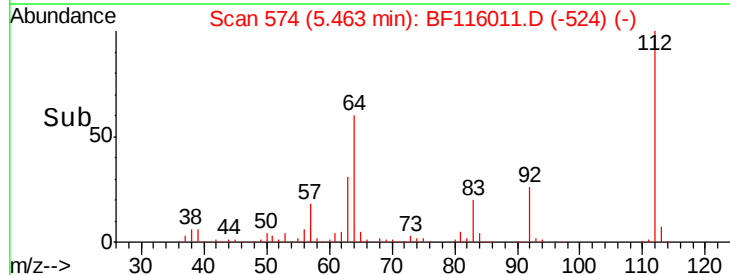
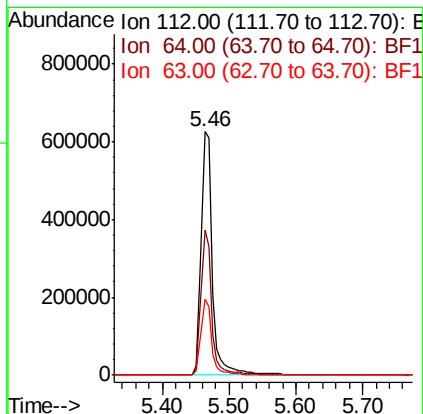
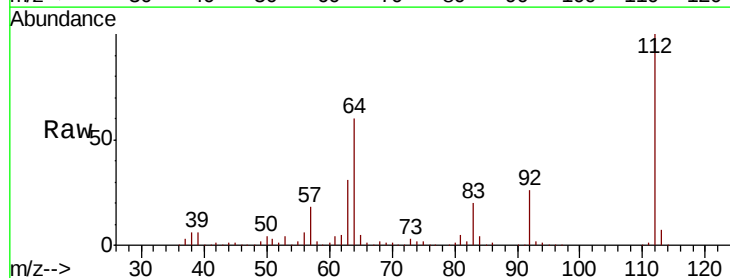
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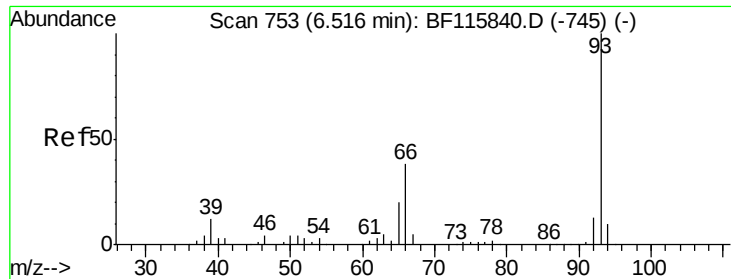


#5

2-Fluorophenol
 Concen: 93.917 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.8	70.2
63	31.2	24.2	36.2





#6

Aniline

Concen: 0.013 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.03 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(30)

Tot Ion: 93 Resp: 170

Ion Ratio Lower Upper

93 100

66 2384.9 31.4 47.0

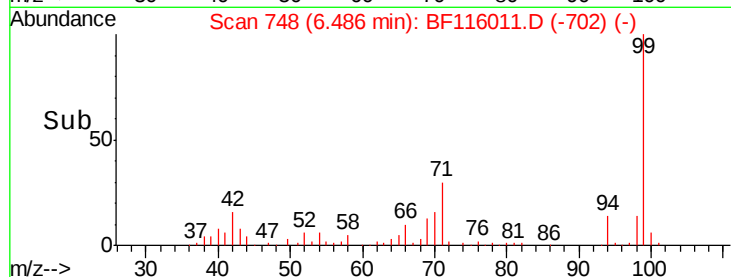
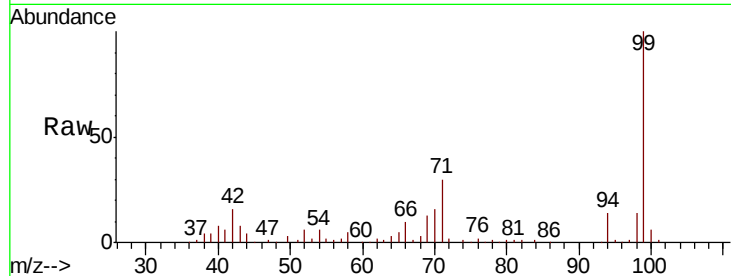
65 1210.8 16.5 24.7

Manual Integrations

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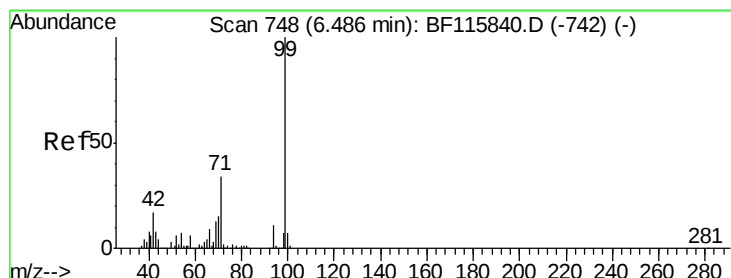
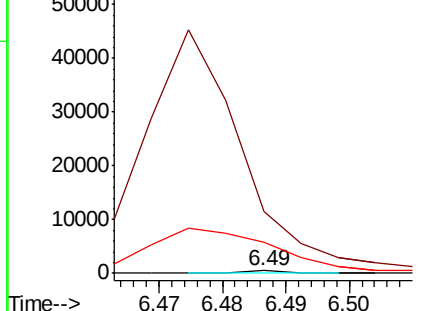
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Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 97.726 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

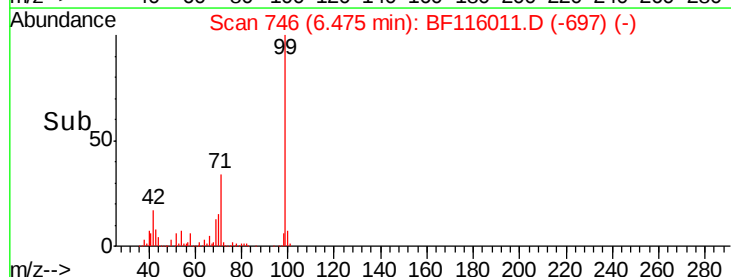
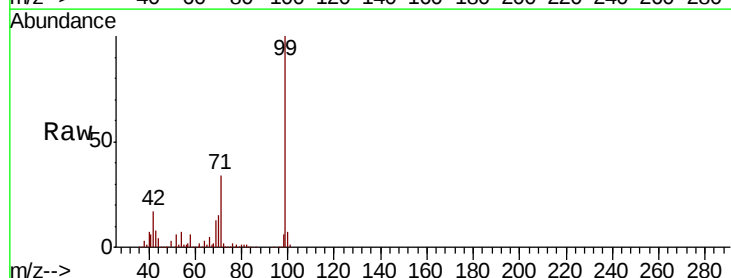
Tgt Ion: 99 Resp: 927373

Ion Ratio Lower Upper

99 100

42 17.2 13.8 20.6

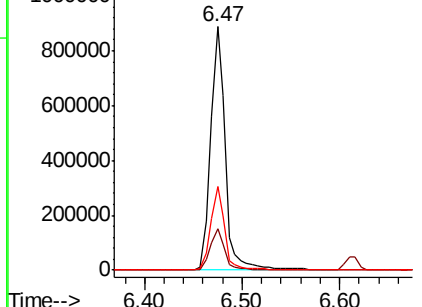
71 34.2 27.1 40.7

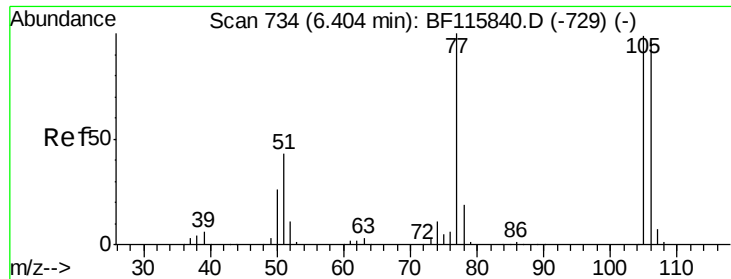


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





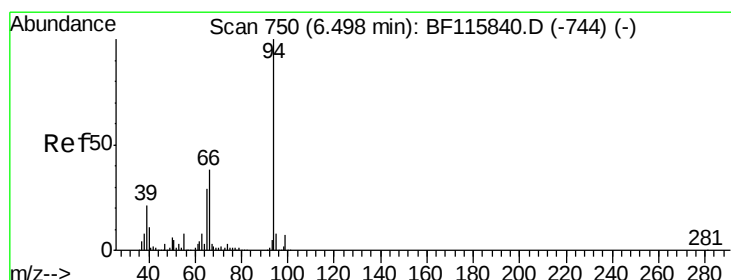
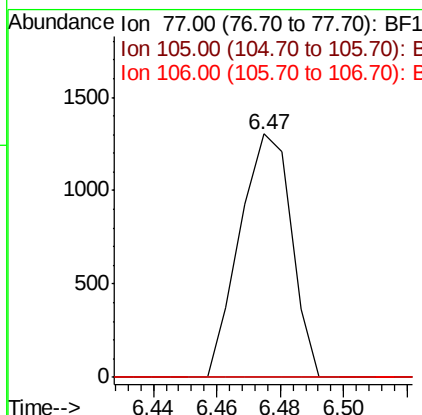
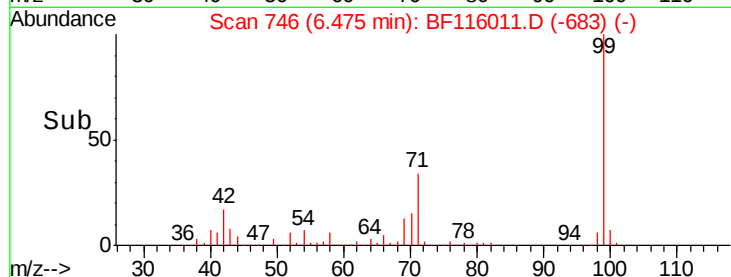
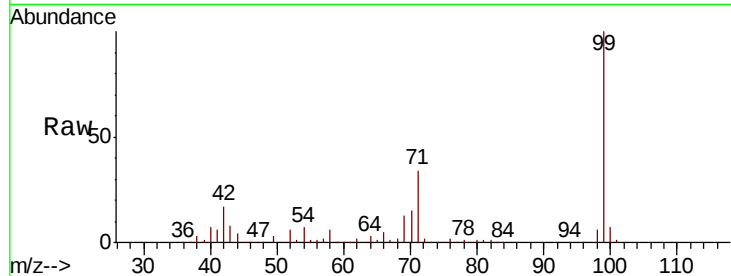
#9
Benzaldehyde
Concen: 0.225 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.07 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion: 77 Resp: 1476
Ion Ratio Lower Upper
77 100
105 0.0 79.0 119.0#
106 0.0 76.2 116.2#

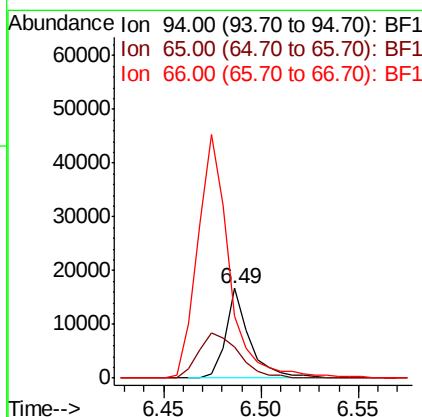
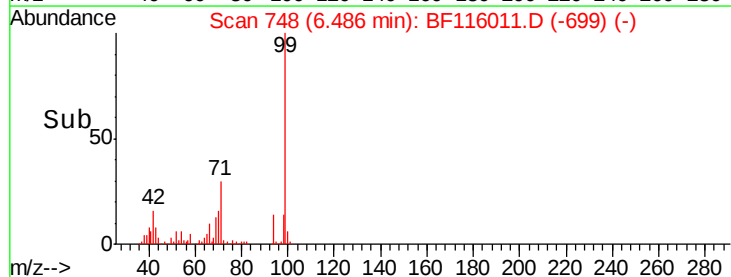
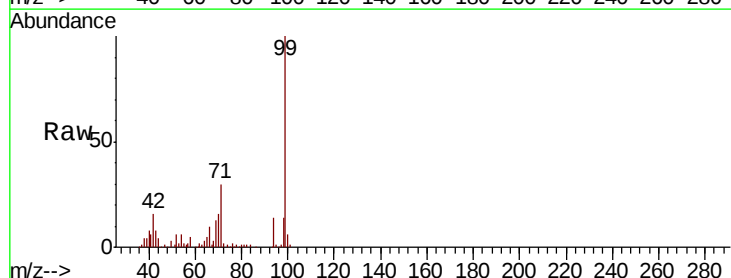
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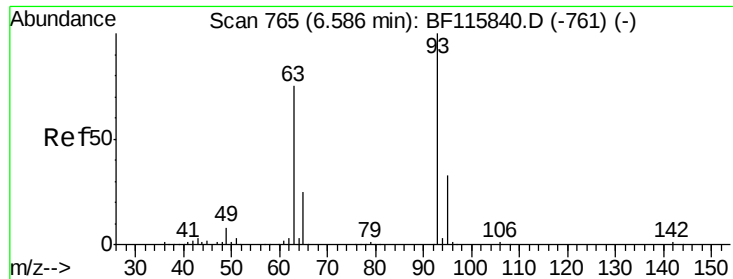
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#10
Phenol
Concen: 1.238 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion: 94 Resp: 13837
Ion Ratio Lower Upper
94 100
65 35.1 8.9 48.9
66 69.1 18.0 58.0#





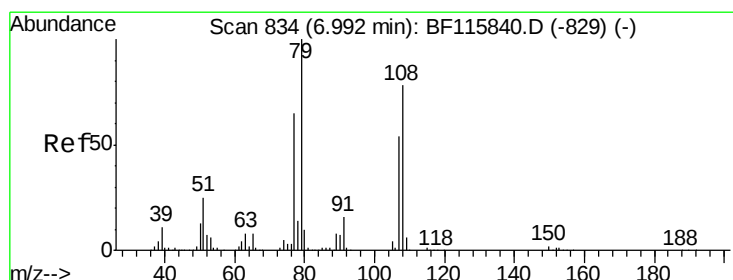
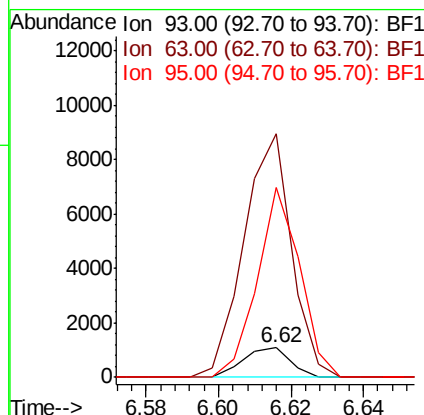
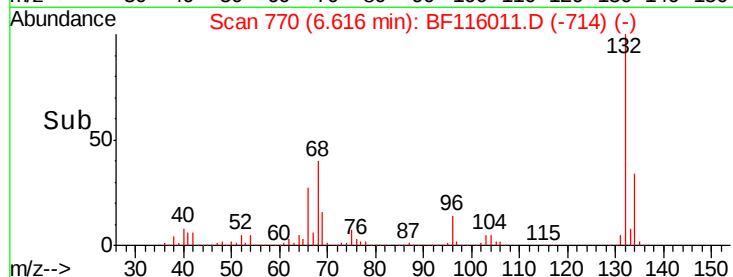
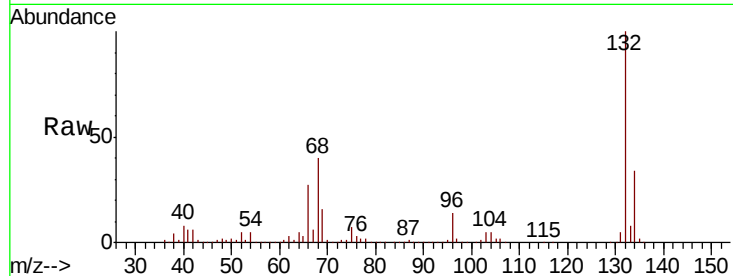
#11
bis(2-Chloroethyl)ether
Concen: 0.120 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
93	100		
63	819.6	54.9	94.9#
95	639.7	13.3	53.3#

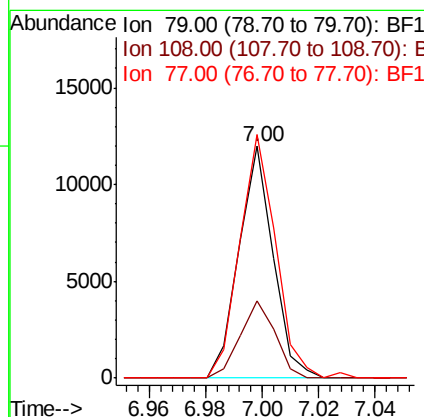
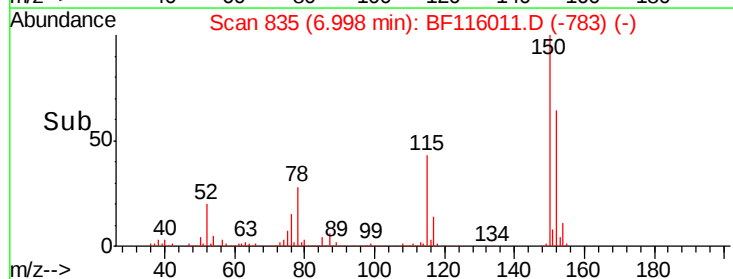
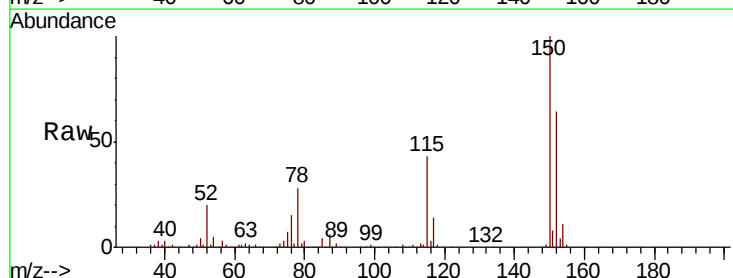
Manual Integrations
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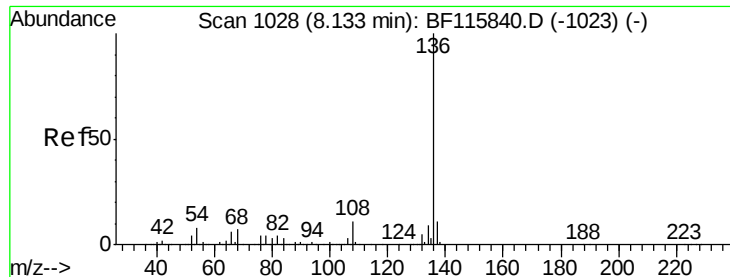
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#15
Benzyl Alcohol
Concen: 1.403 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
79	100		
108	33.3	62.8	94.2#
77	105.0	52.0	78.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

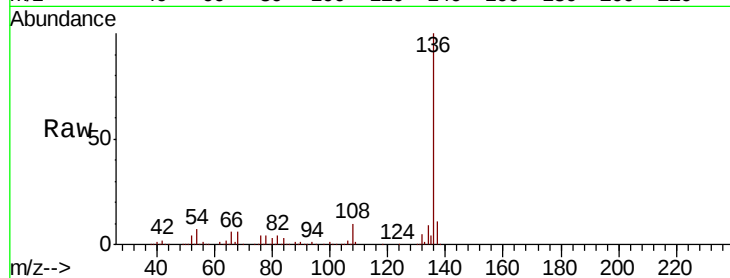
ClientSampleId :

1S-A1-A4-COMP-(30)

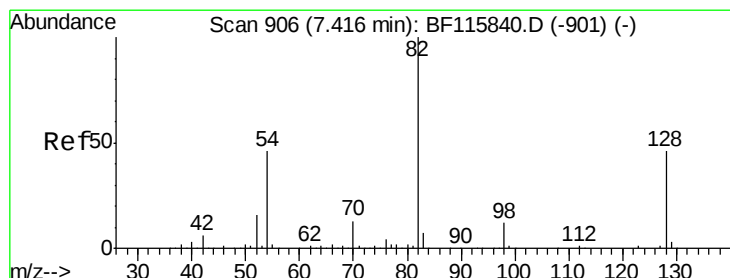
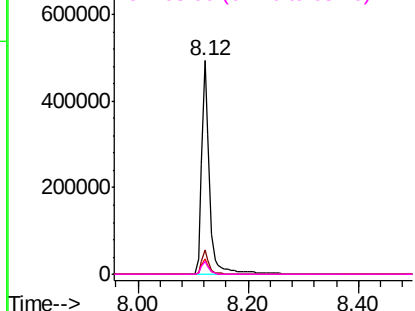
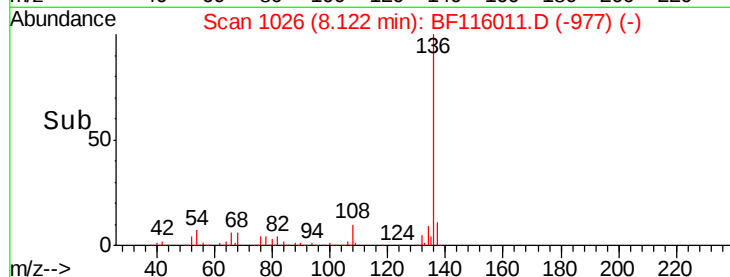
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		486694		
137	11.2	9.1	13.7		
54	7.2	6.1	9.1		
68	6.1	5.4	8.2		

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



#23

Nitrobenzene-d5

Concen: 70.071 ng

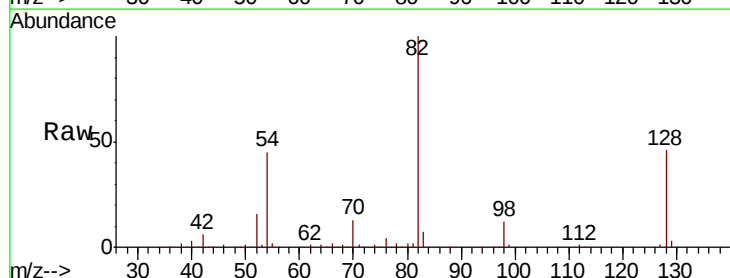
RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

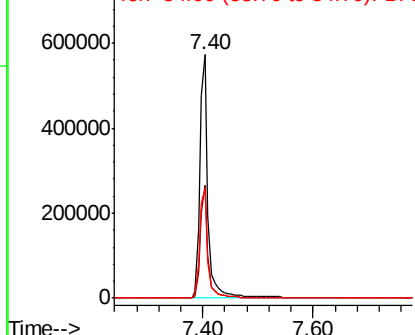
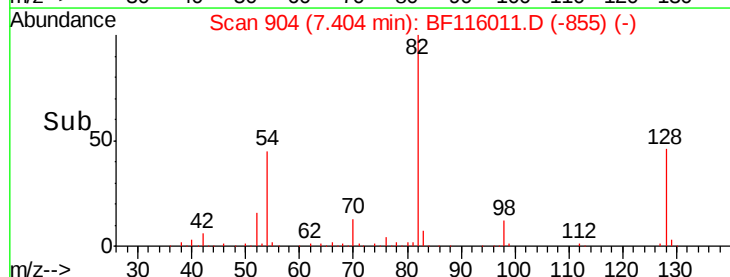
Lab File: BF116011.D

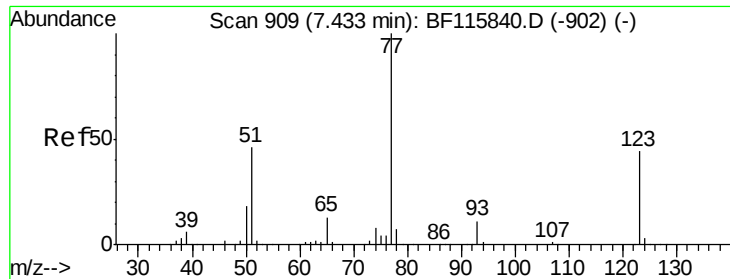
Acq: 6 Aug 2019 14:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		590809		
128	46.2	36.6	55.0		
54	44.9	36.6	55.0		



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





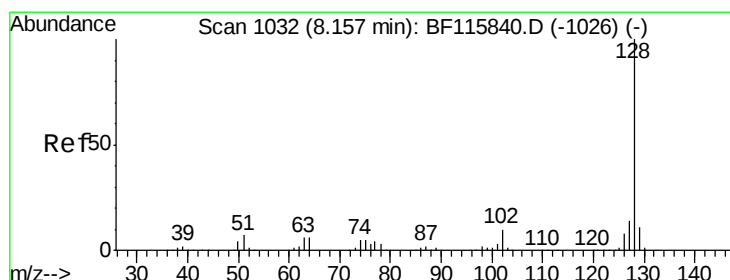
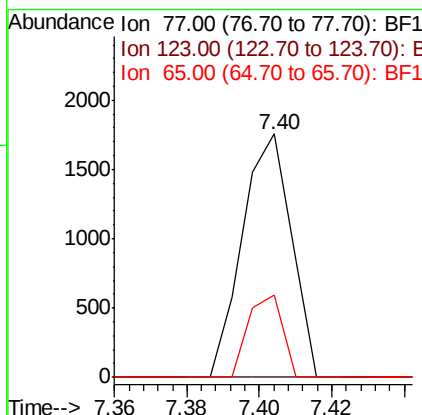
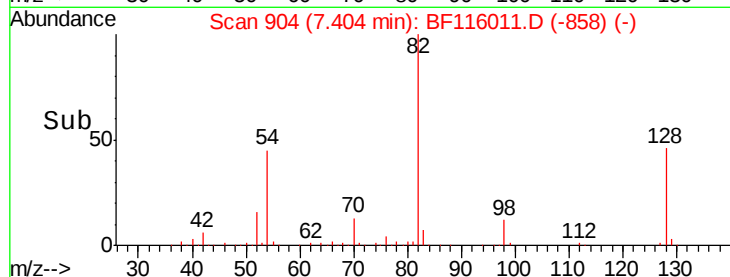
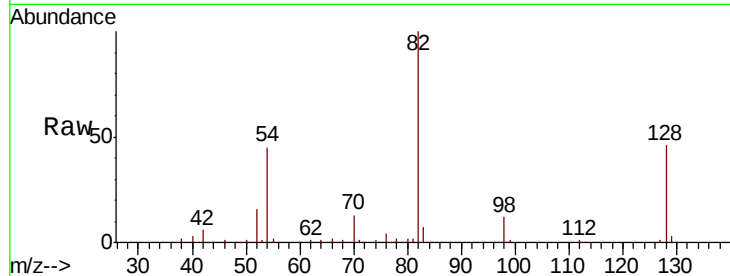
#24
Nitrobenzene
Concen: 0.180 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	33.6	10.6	15.8#

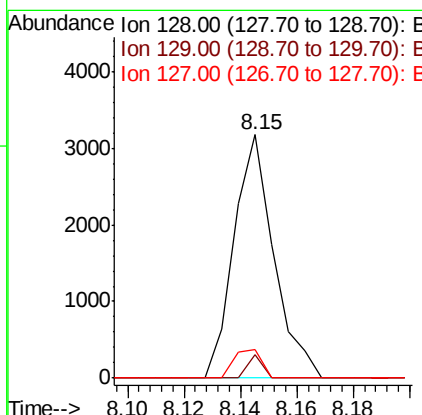
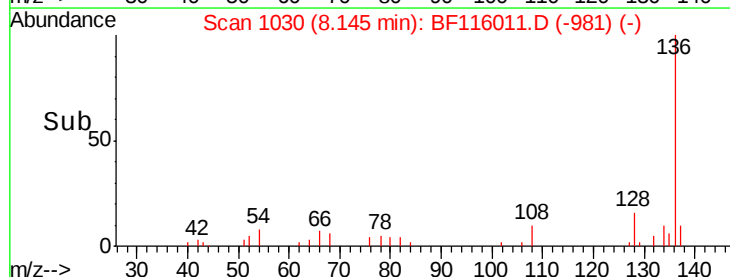
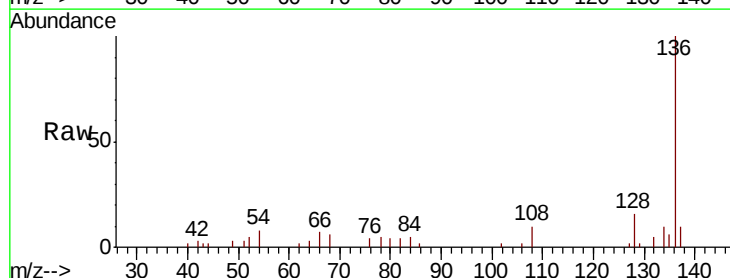
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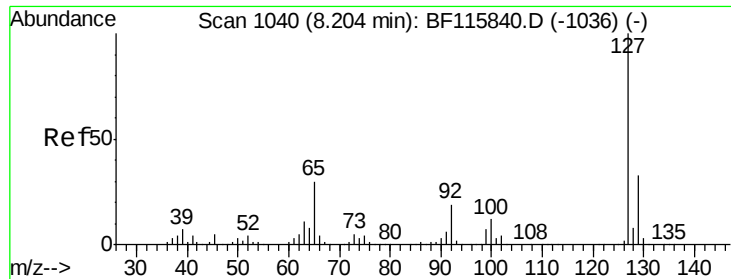
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#31
Naphthalene
Concen: 0.135 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	9.2	13.8
127	11.6	11.0	16.4





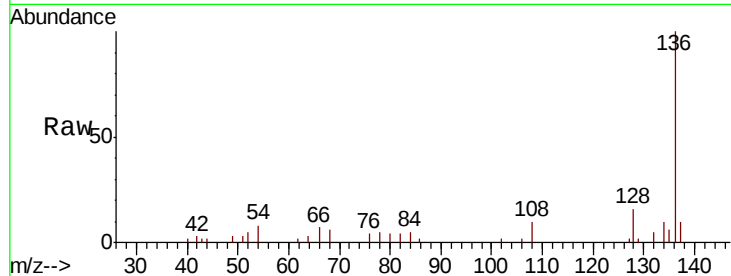
#33
4-Chloroaniline
Concen: 0.024 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.06 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

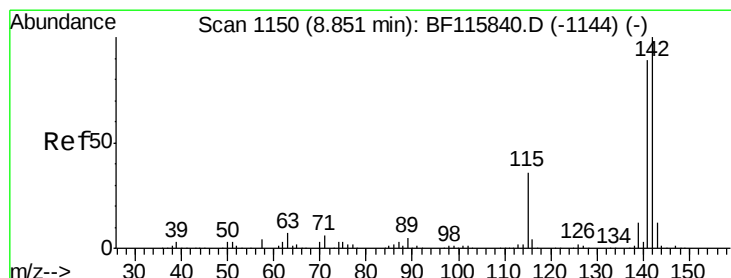
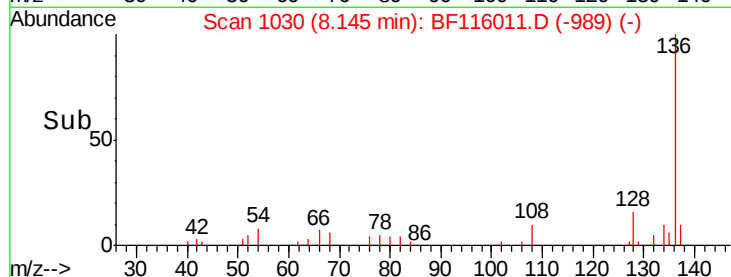
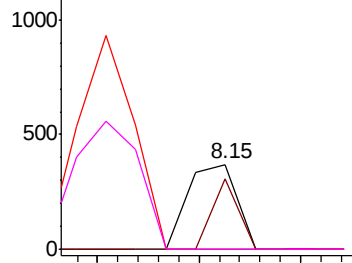
Tot Ion	Ratio	Lower	Upper
127	100		
129	83.7	26.0	39.0#
65	0.0	23.9	35.9#
92	0.0	14.9	22.3#

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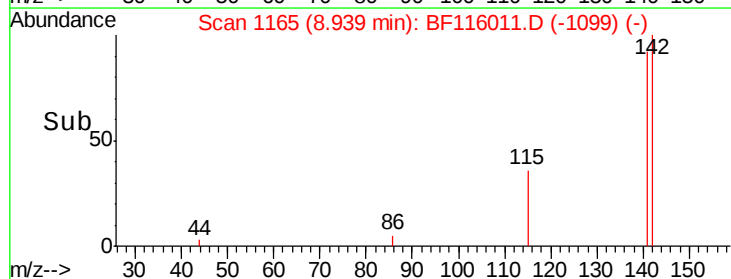
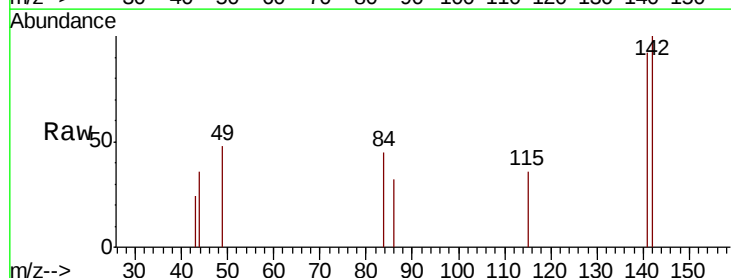
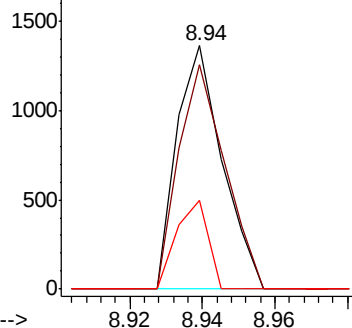
Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

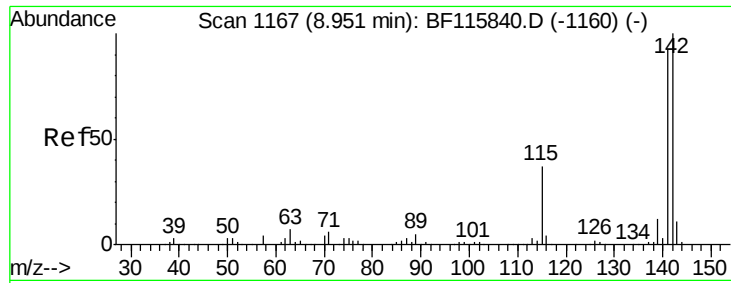


#37
2-Methylnaphthalene
Concen: 0.079 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.09 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	71.4	107.2
115	36.3	28.9	43.3

Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





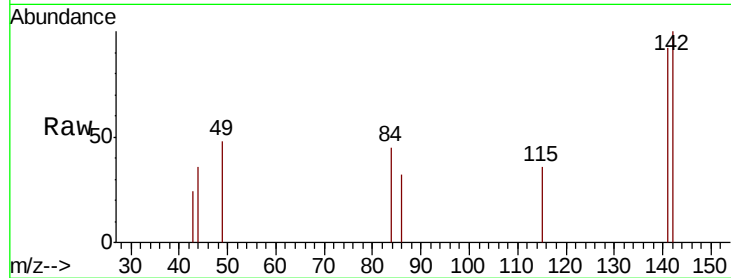
#38
1-Methylnaphthalene
Concen: 0.084 ng
RT: 8.94 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

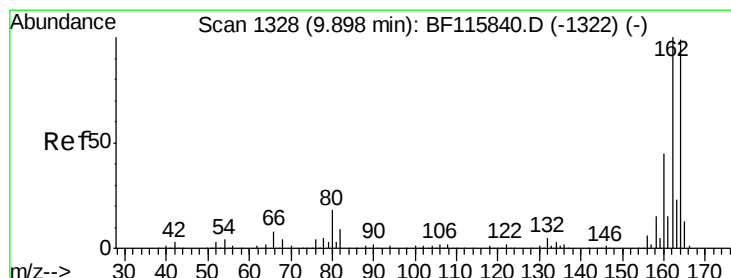
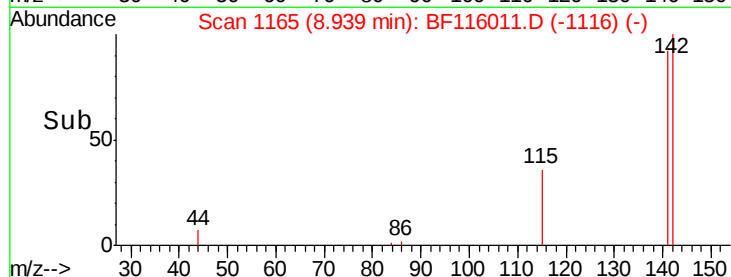
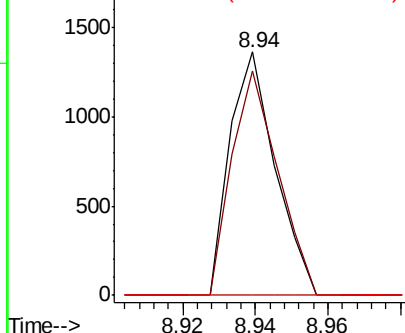
Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.8	110.6
116	0.0	3.1	4.7#

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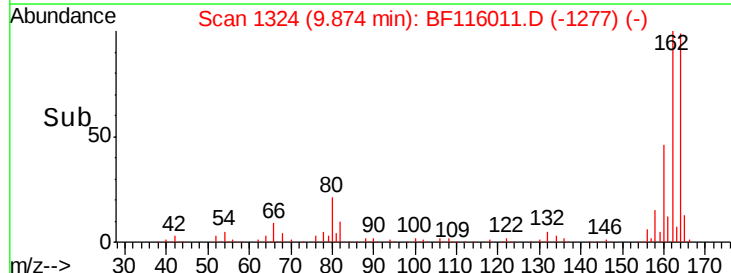
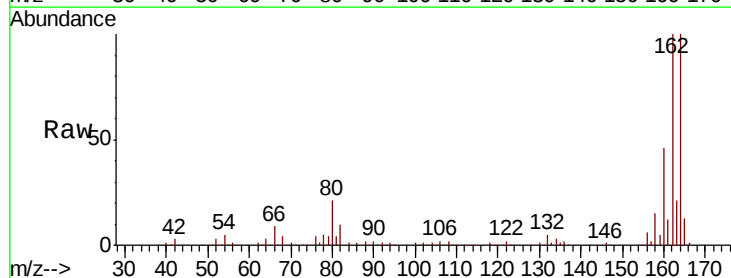
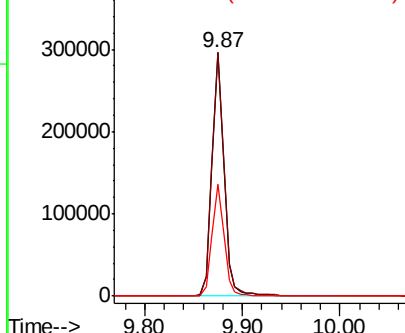
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

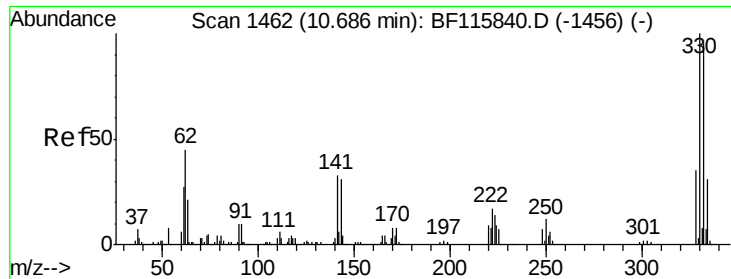


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.8	121.2
160	45.8	36.2	54.4

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





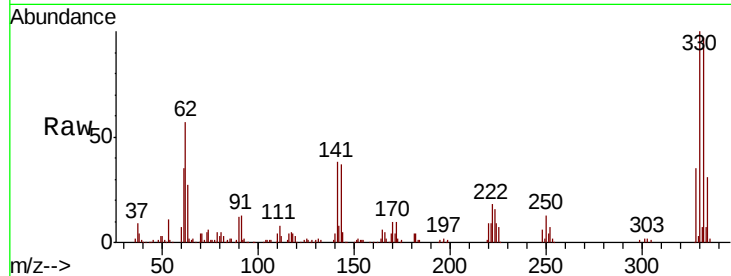
#42
 2,4,6-Tribromophenol
 Concen: 84.644 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.02 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	210676		
332	96.4		77.7	116.5
141	35.3		28.1	42.1

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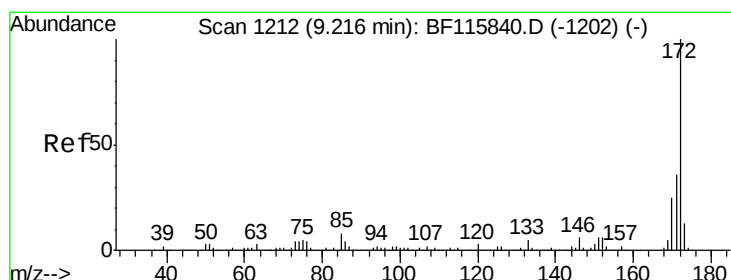
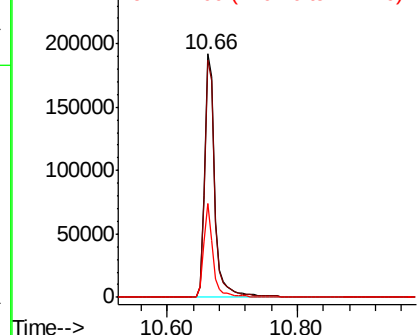
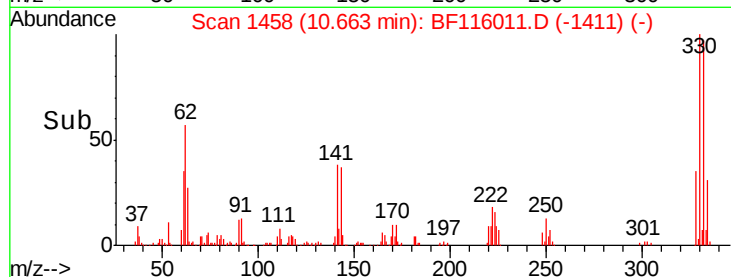


Abundance

Ion 329.80 (329.50 to 330.50): E

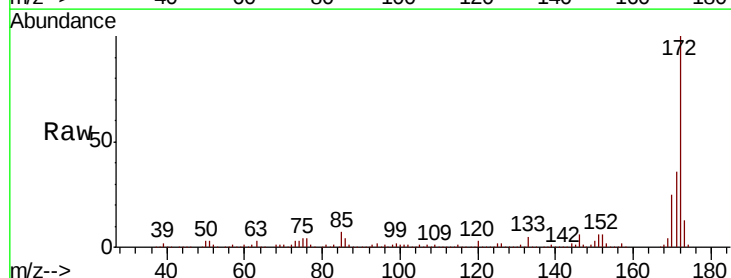
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 73.649 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1009426		
171	36.4		29.1	43.7
170	24.7		20.1	30.1

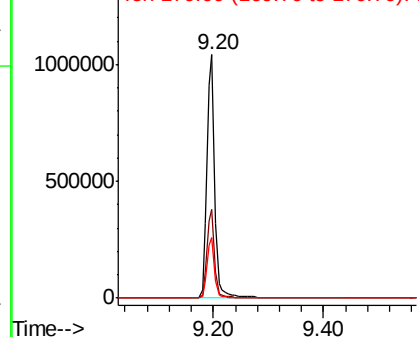
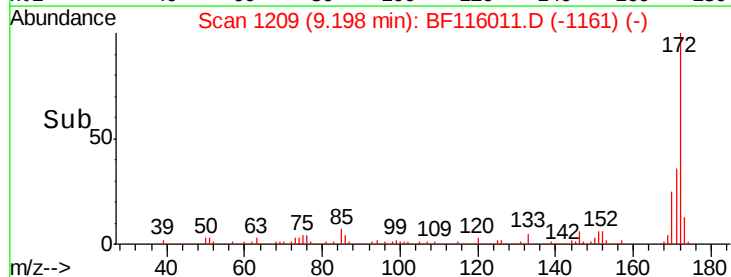


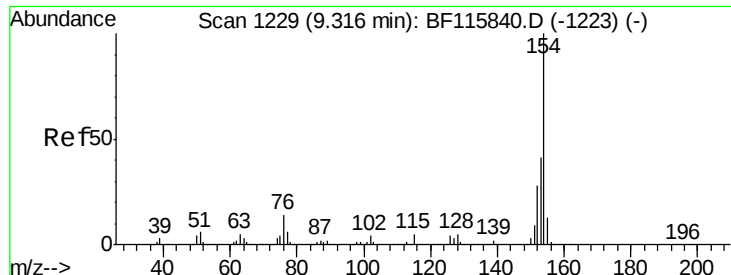
Abundance

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: 0.131 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.02 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

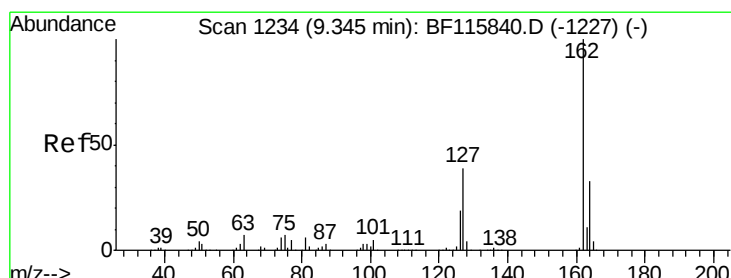
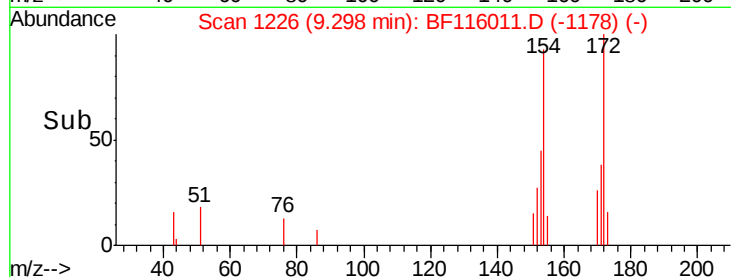
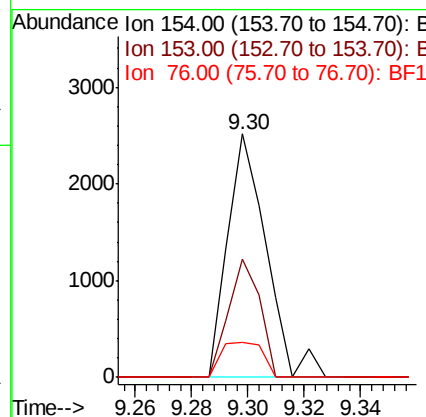
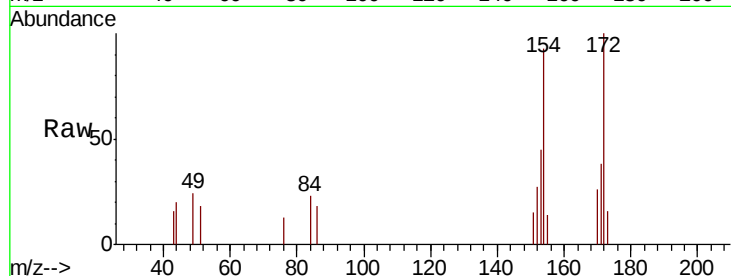
ClientSampleId :

1S-A1-A4-COMP-(30)

Tot Ion:	154	Resp:	2382
Ion Ratio	Lower	Upper	
154	100		
153	48.5	20.9	60.9
76	14.4	0.0	34.3

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#47

2-Chloronaphthalene

Concen: 0.030 ng

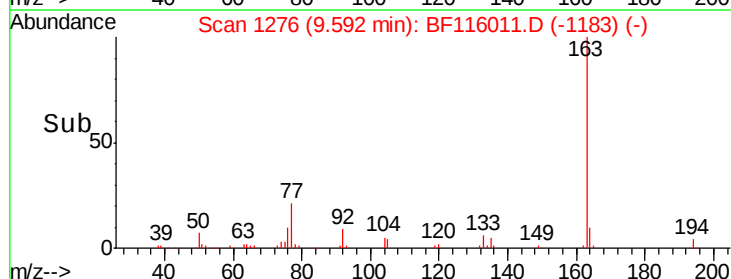
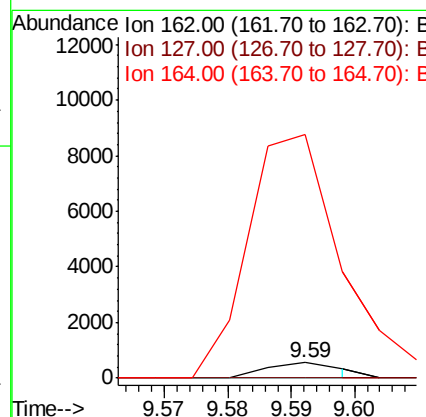
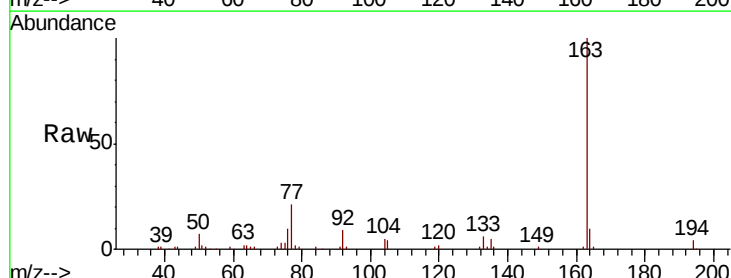
RT: 9.59 min Scan# 1276

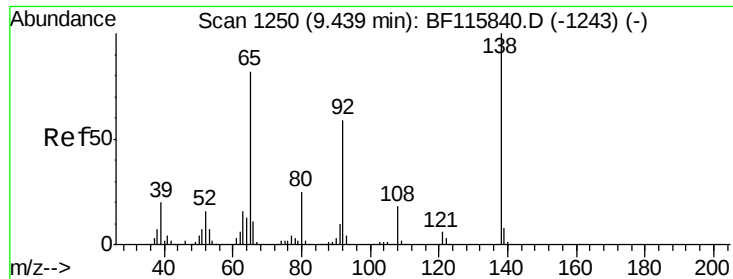
Delta R.T. 0.25 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tgt Ion:	162	Resp:	458
Ion Ratio	Lower	Upper	
162	100		
127	0.0	31.3	46.9#
164	1564.1	26.6	40.0#





#48

2-Nitroaniline

Concen: 0.158 ng

RT: 9.59 min Scan# 1276

Delta R.T. 0.15 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

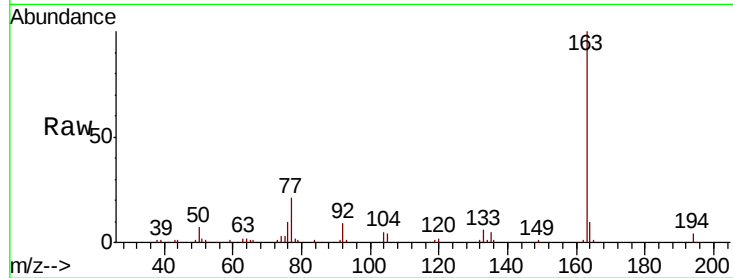
ClientSampleId :

1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
65	100		
92	1011.2	57.1	85.7
138	0.0	97.1	145.7

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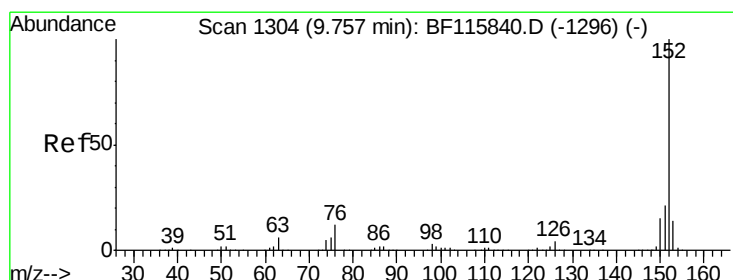
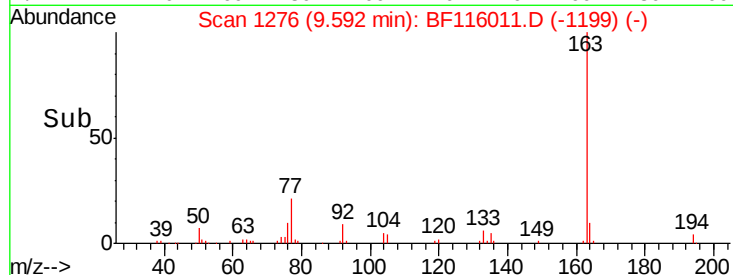
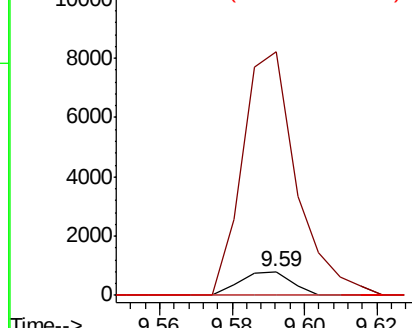


Abundance

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): BF1



#49

Acenaphthylene

Concen: 0.030 ng

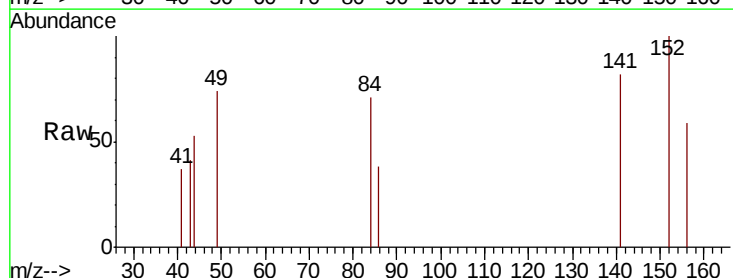
RT: 9.74 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.8	25.2
153	0.0	11.6	17.4

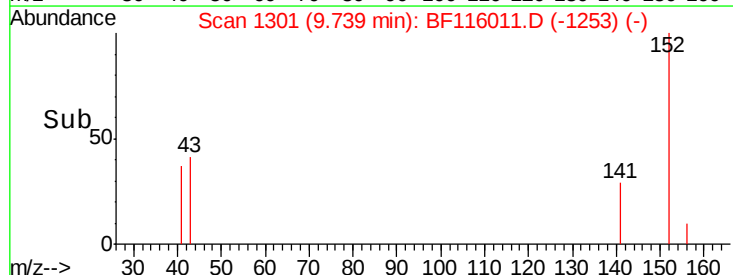
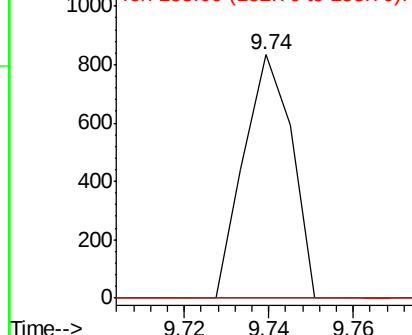


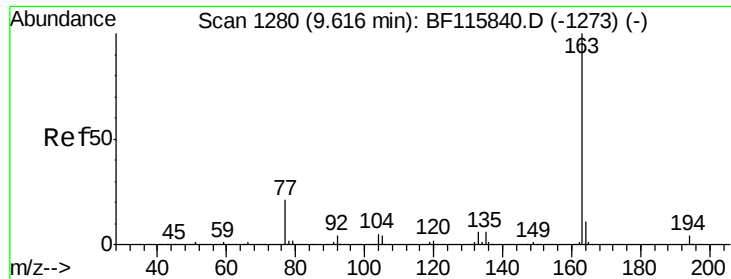
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





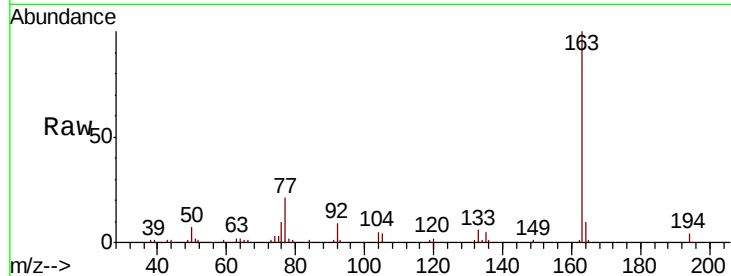
#50
Dimethylphthalate
Concen: 5.511 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

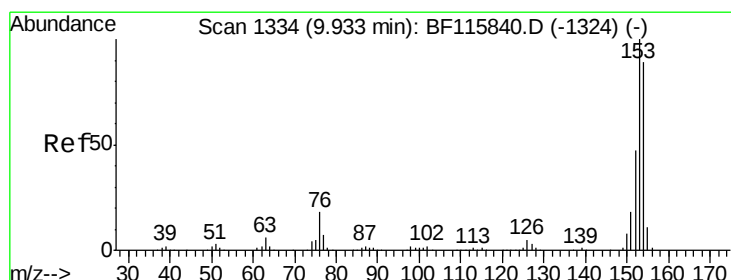
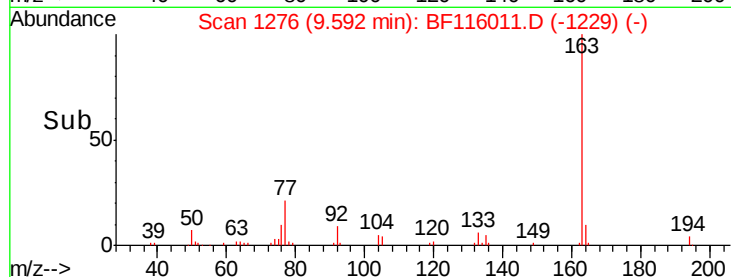
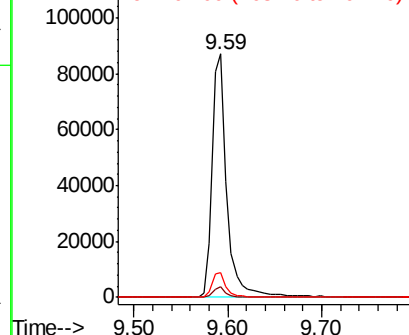
Tot Ion:	163	Resp:	96336
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.0	4.6
164	10.1	8.4	12.6

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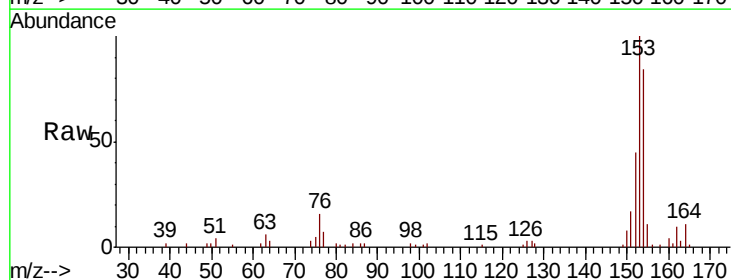


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

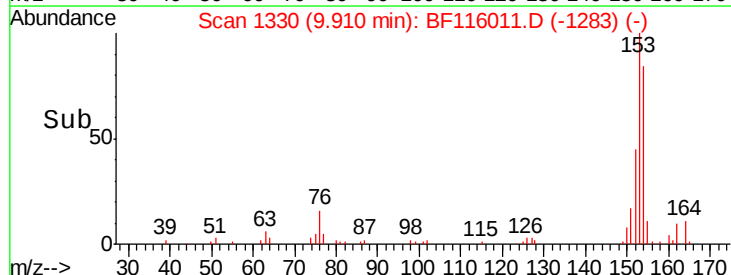
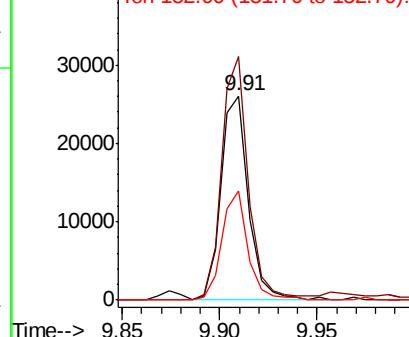


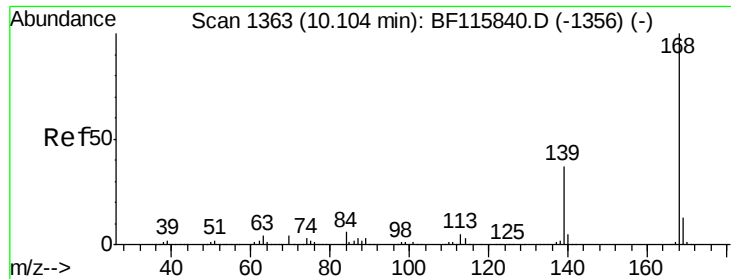
#52
Acenaphthene
Concen: 1.879 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion:	154	Resp:	25371
Ion Ratio	Lower	Upper	
154	100		
153	119.1	90.1	135.1
152	53.6	42.6	63.8



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





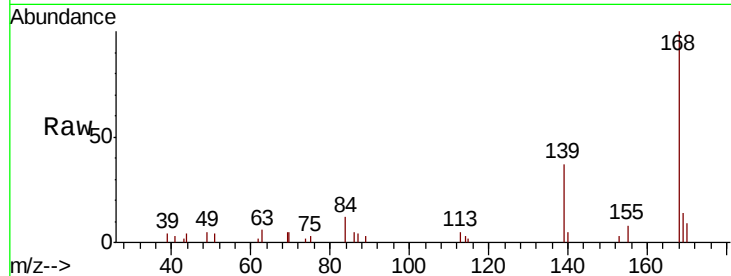
#55
Dibenzenofuran
Concen: 0.747 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.2	45.2
169	13.9	10.8	16.2

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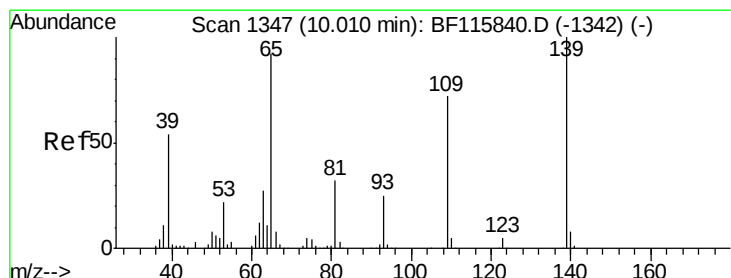
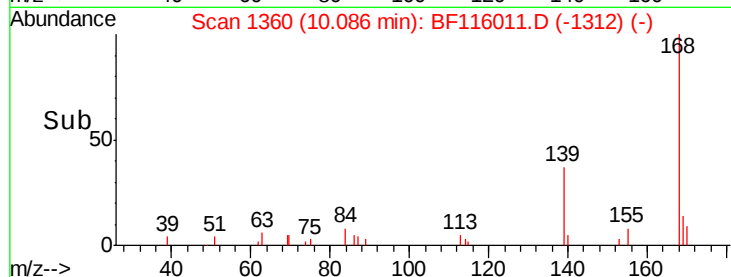
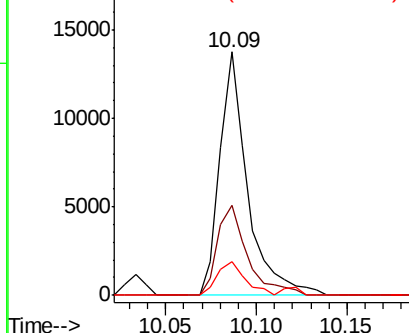


Abundance

Ion 168.00 (167.70 to 168.70): E

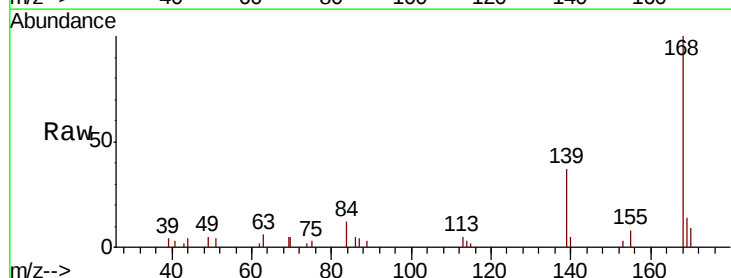
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 1.953 ng
RT: 10.09 min Scan# 1360
Delta R.T. 0.08 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	52.0	92.0#
65	0.0	72.6	112.6#

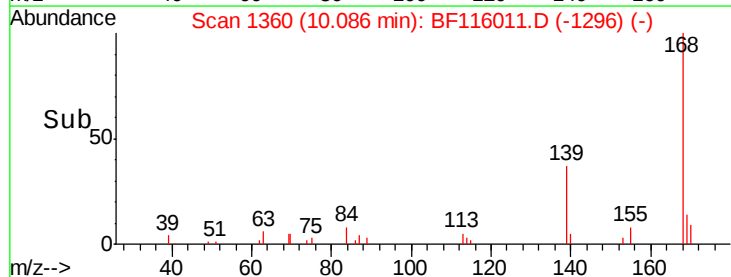
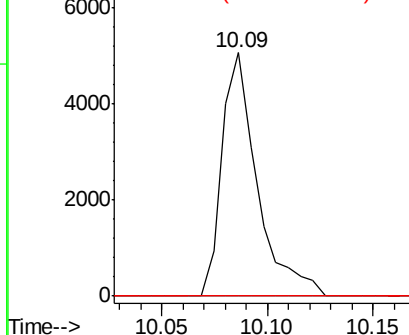


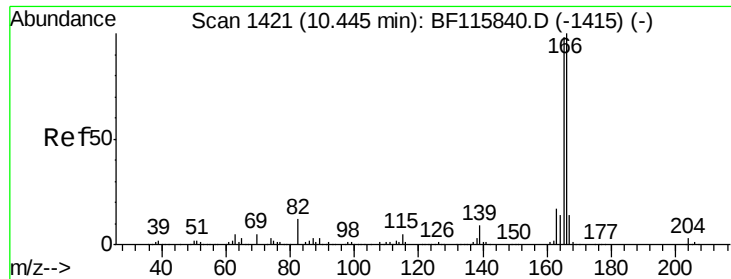
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





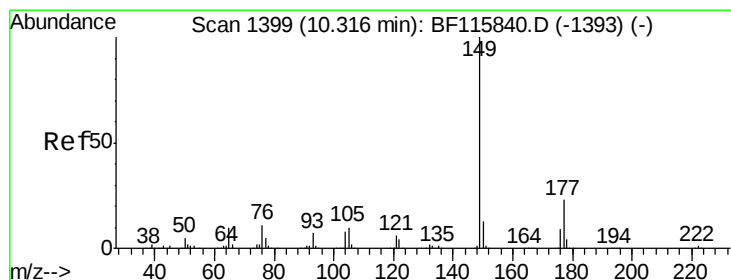
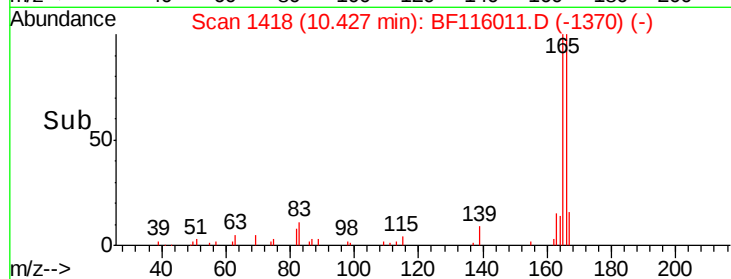
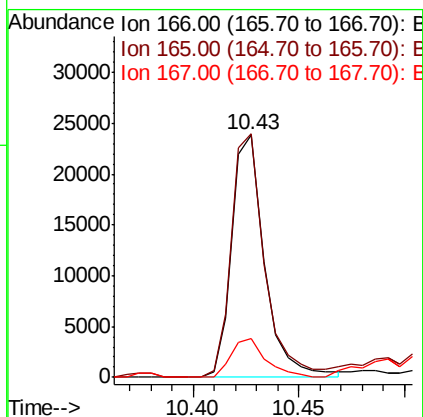
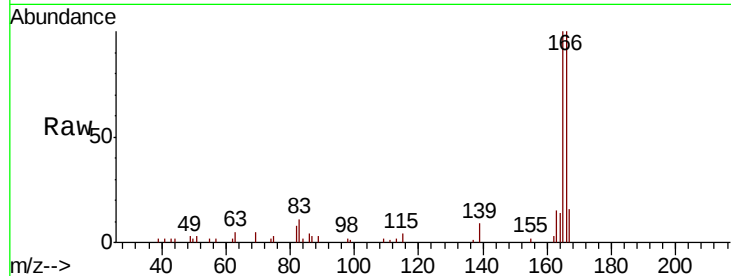
#58
 Fluorene
 Concen: 1.693 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.02 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.6	118.0
167	16.2	10.9	16.3

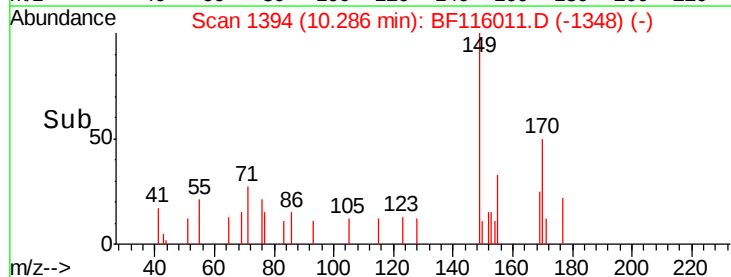
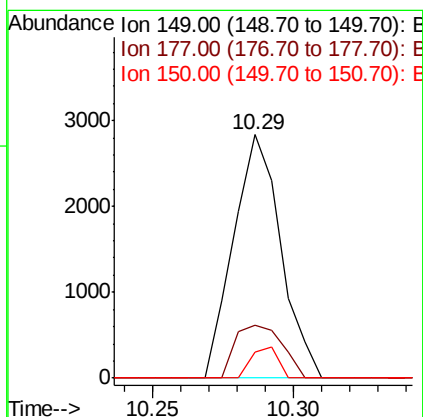
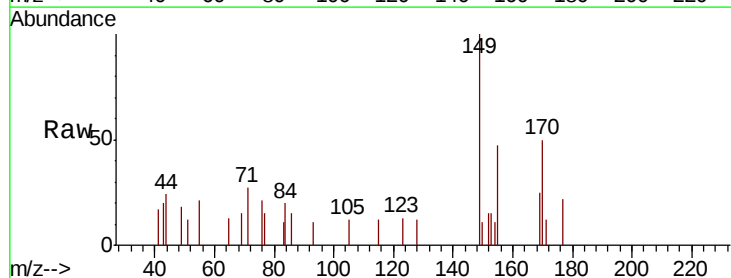
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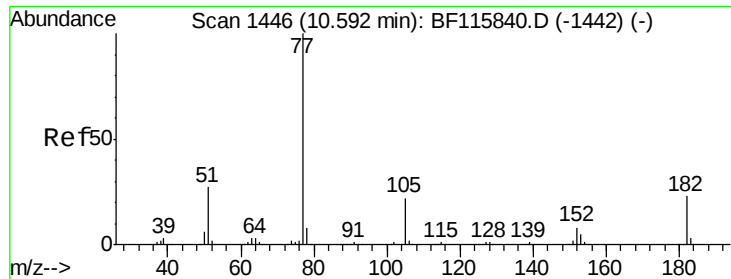
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#60
 Diethylphthalate
 Concen: 0.202 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.03 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.0	18.4	27.6
150	10.8	10.1	15.1





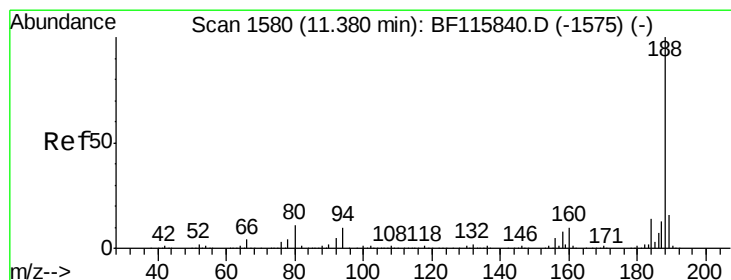
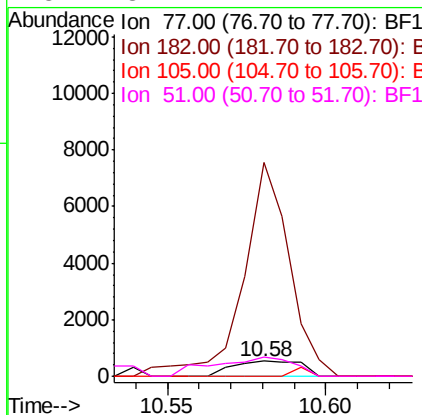
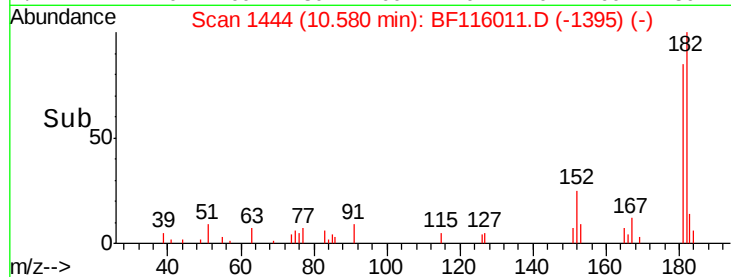
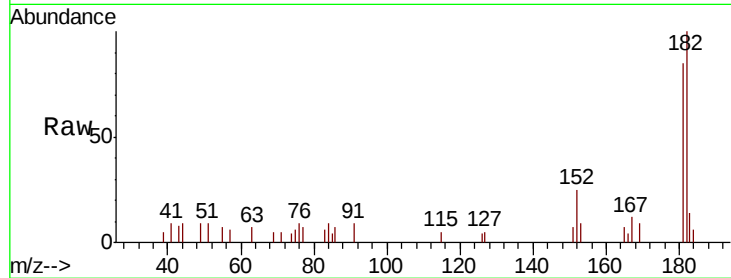
#63
Azobenzene
Concen: 0.050 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion: 77 Resp: 835
Ion Ratio Lower Upper
77 100
182 1428.2 2.6 42.6
105 0.0 1.6 41.6#
51 132.7 7.4 47.4#

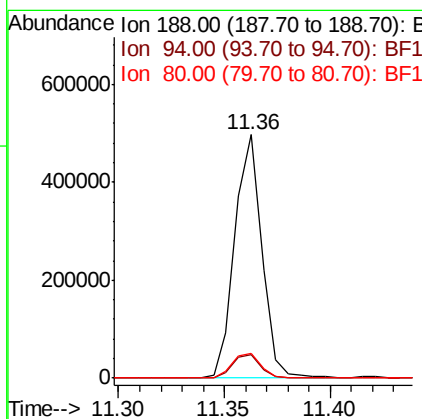
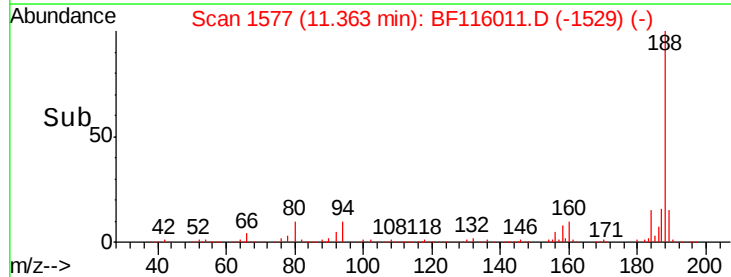
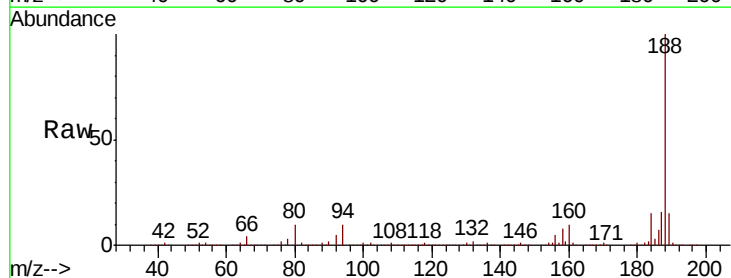
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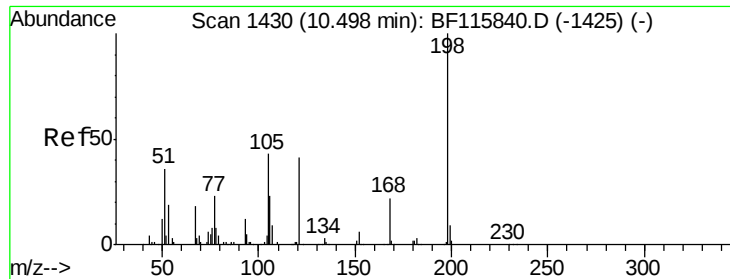
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion: 188 Resp: 440724
Ion Ratio Lower Upper
188 100
94 9.5 8.0 12.0
80 10.1 8.6 12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 0.085 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.16 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

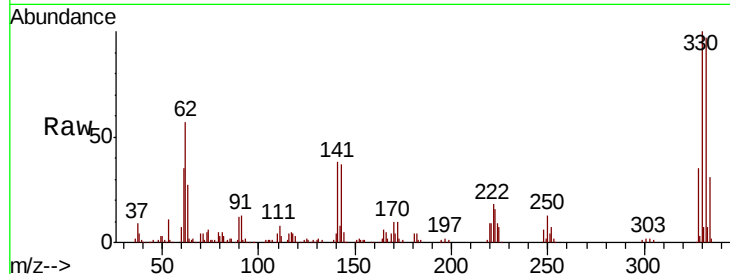
ClientSampleId :

1S-A1-A4-COMP-(30)

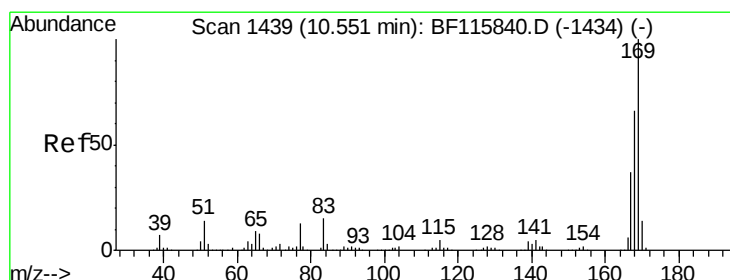
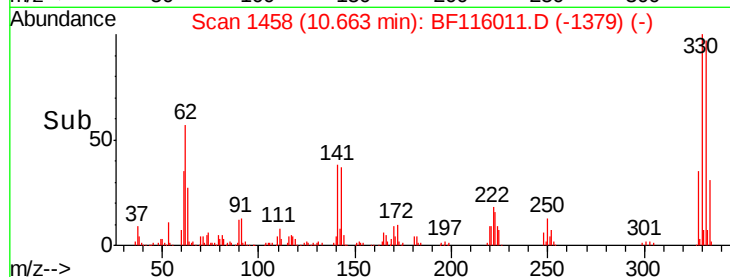
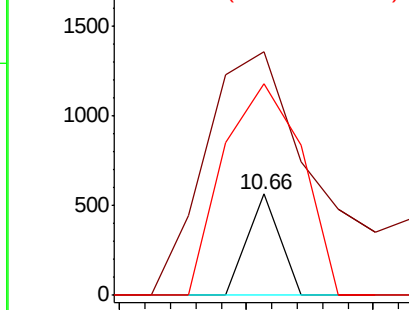
Tot Ion:	198	Resp:	199
Ion	Ratio	Lower	Upper
198	100		
51	240.8	21.1	61.1#
105	208.7	24.5	64.5#

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



#66

n-Nitrosodiphenylamine

Concen: 0.133 ng

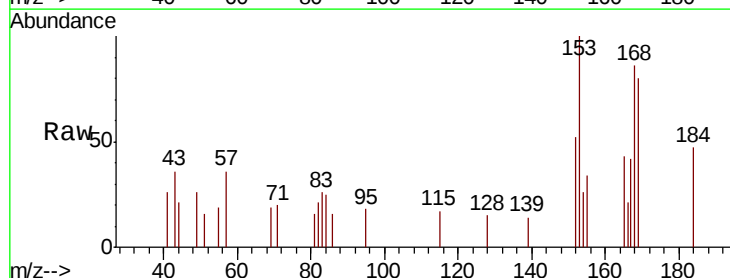
RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

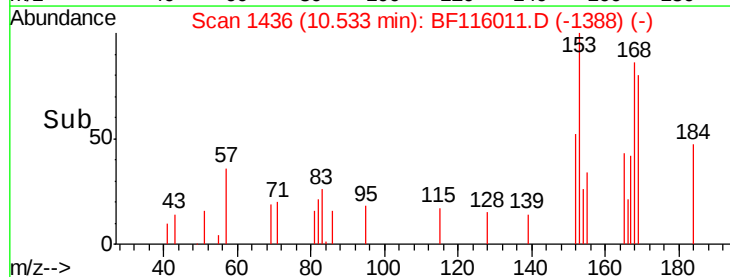
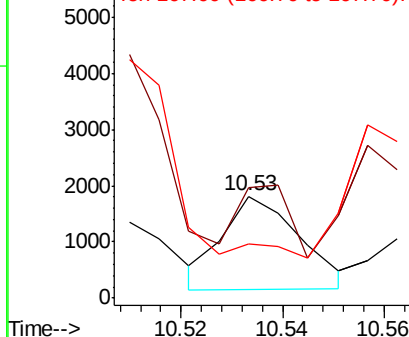
Lab File: BF116011.D

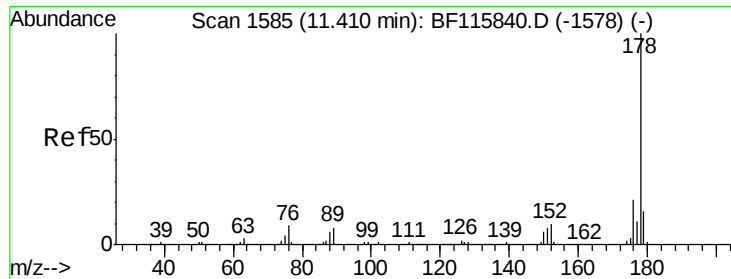
Acq: 6 Aug 2019 14:22

Tgt Ion:	169	Resp:	1767
Ion	Ratio	Lower	Upper
169	100		
168	107.6	53.0	79.6#
167	52.7	29.9	44.9#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





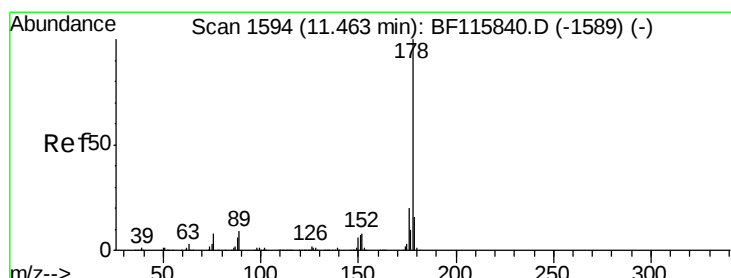
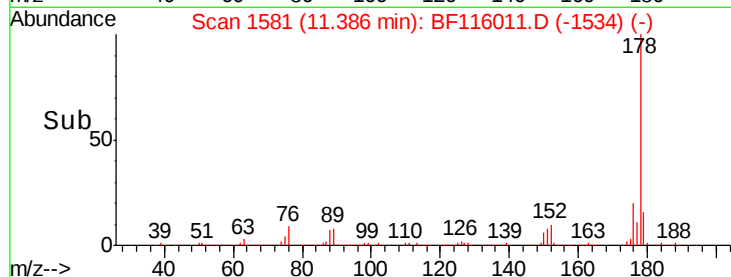
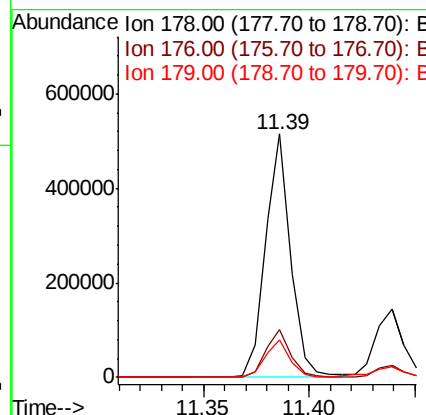
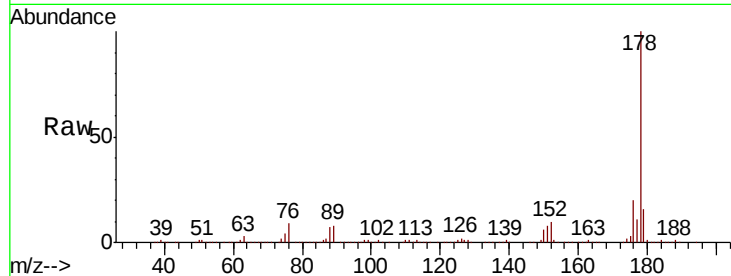
#71
Phenanthrene
Concen: 18.912 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.5	24.7
179	15.6	12.6	18.8

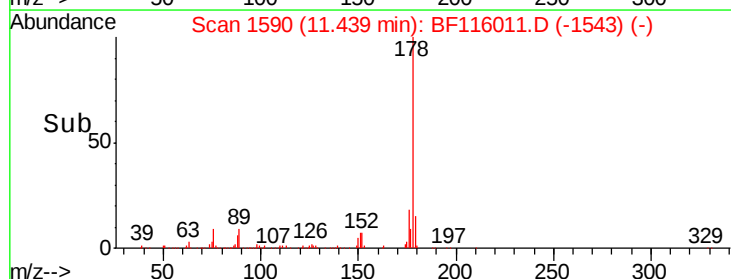
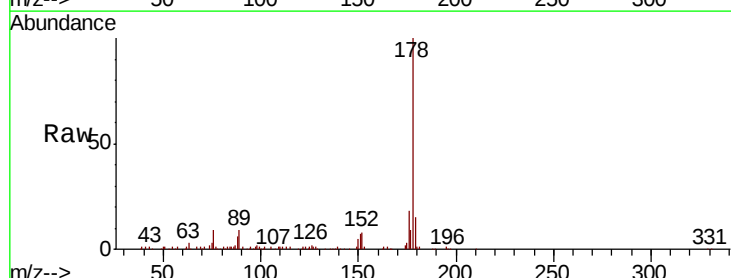
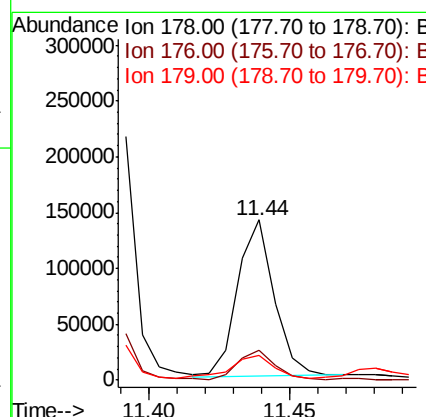
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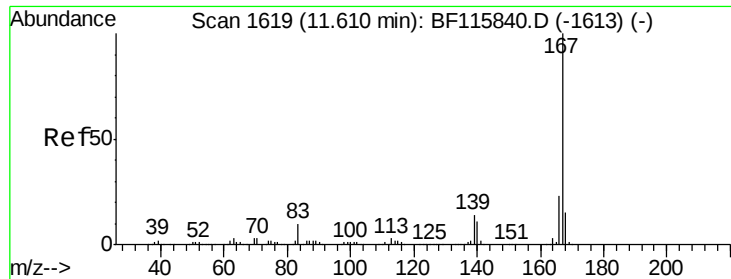
mohammad
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#72
Anthracene
Concen: 5.559 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	15.5	12.4	18.6





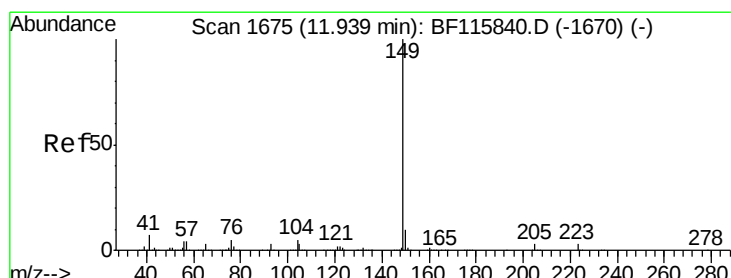
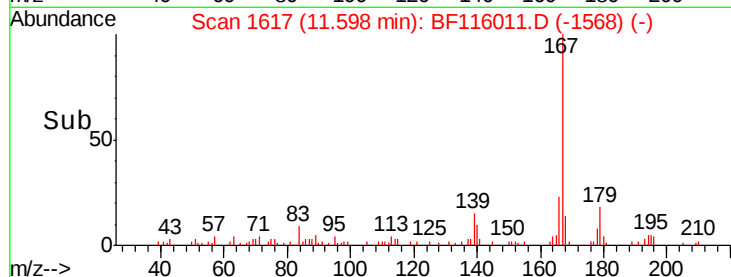
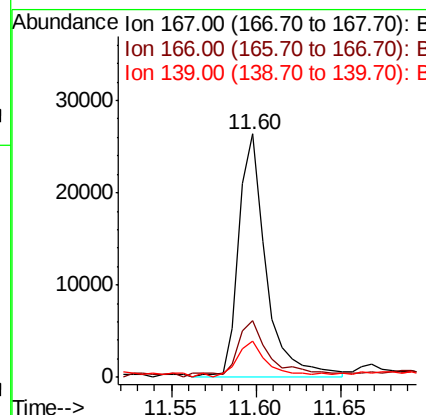
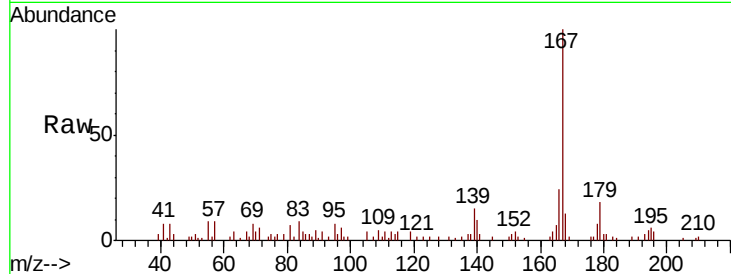
#73
 Carbazole
 Concen: 1.451 ng
 RT: 11.60 min Scan# 1617
 Delta R.T. -0.01 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.0	27.0
139	14.9	11.4	17.2

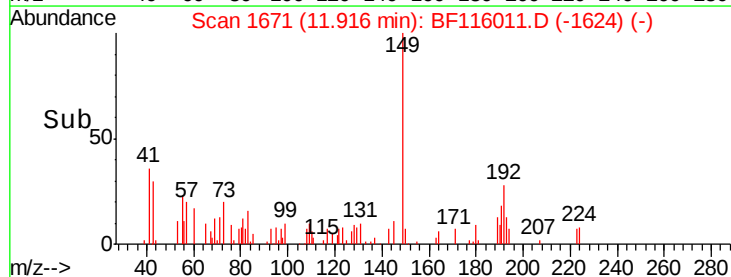
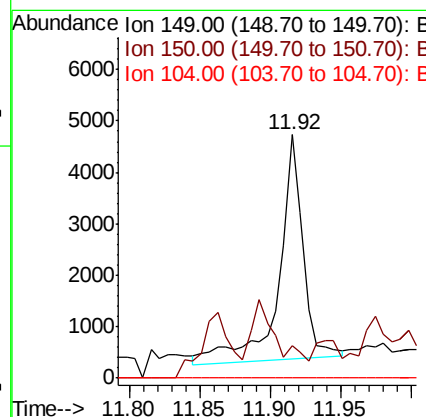
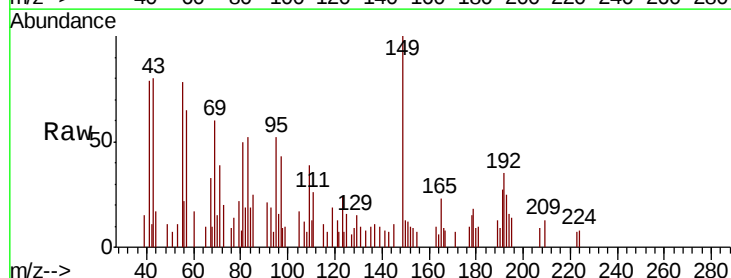
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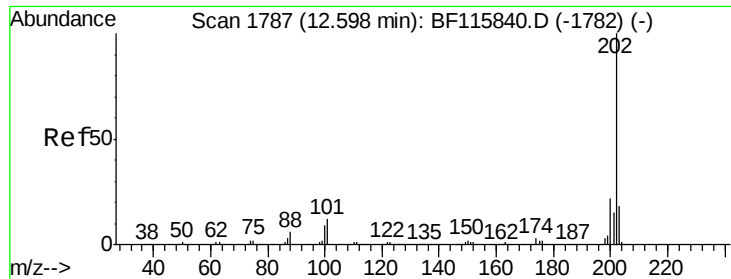
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#74
 Di-n-butylphthalate
 Concen: 0.219 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.02 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
149	100		
150	13.3	7.7	11.5#
104	0.0	4.3	6.5#





#75

Fluoranthene

Concen: 26.312 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

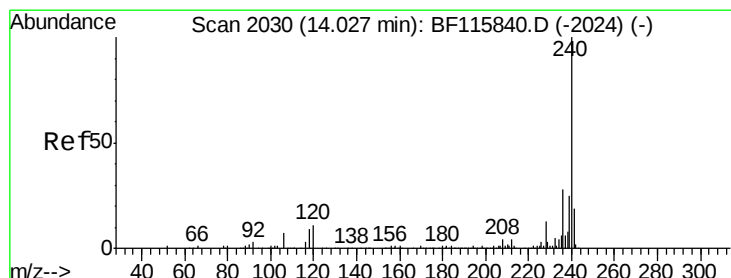
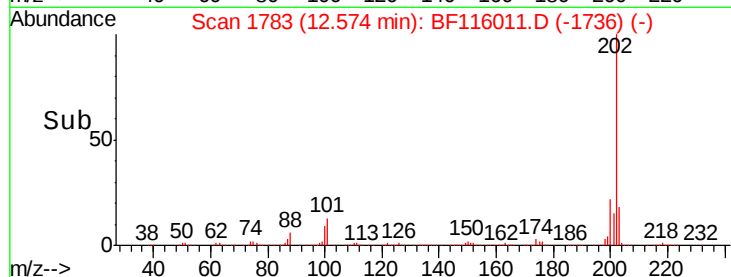
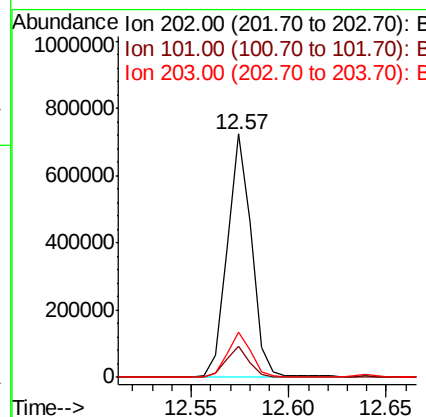
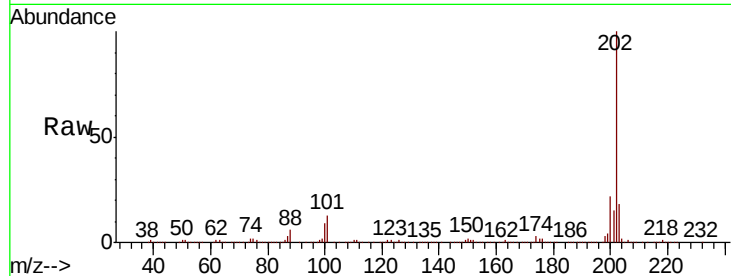
ClientSampleId :

1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	31.5
203	18.4	0.0	37.9

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#76

Chrysene-d12

Concen: 20.000 ng

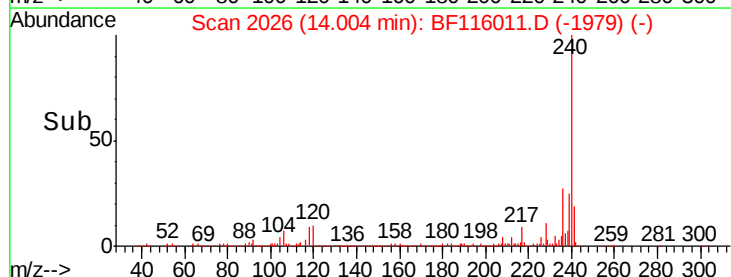
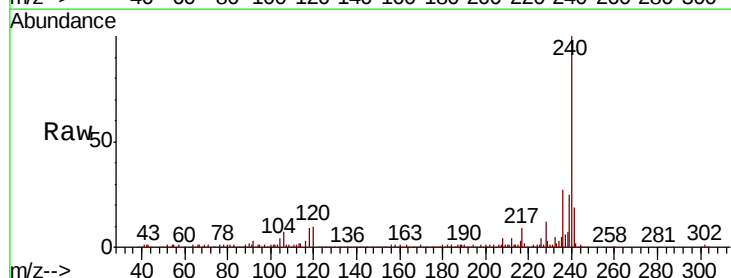
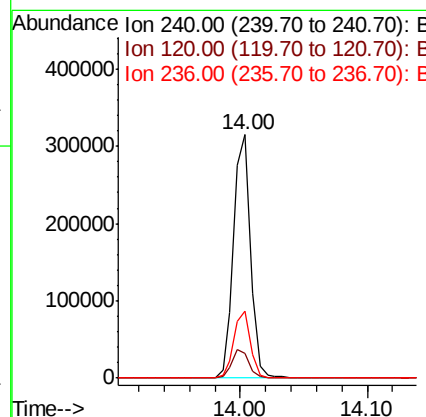
RT: 14.00 min Scan# 2026

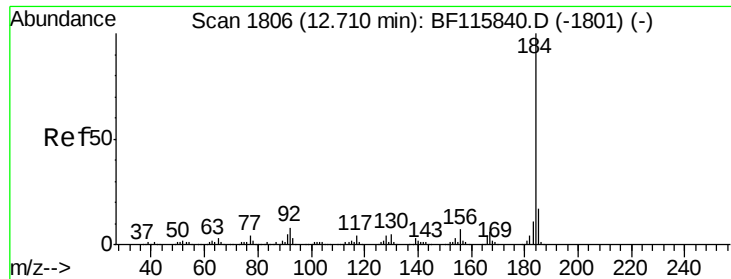
Delta R.T. -0.02 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.1	8.5	12.7
236	27.4	22.2	33.2





#77

Benzidine

Concen: 1.410 ng

RT: 12.94 min Scan# 1846

Delta R.T. 0.24 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

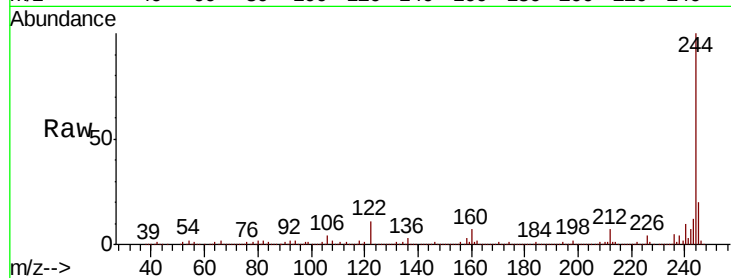
ClientSampleId :

1S-A1-A4-COMP-(30)

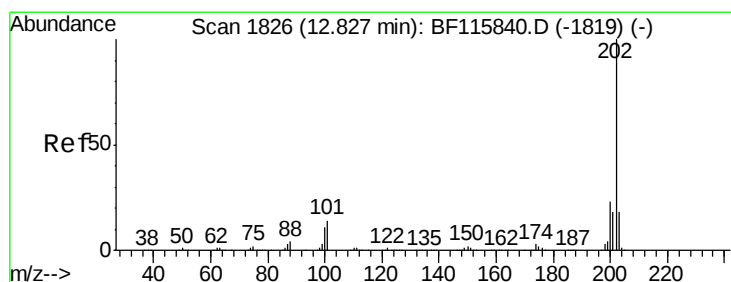
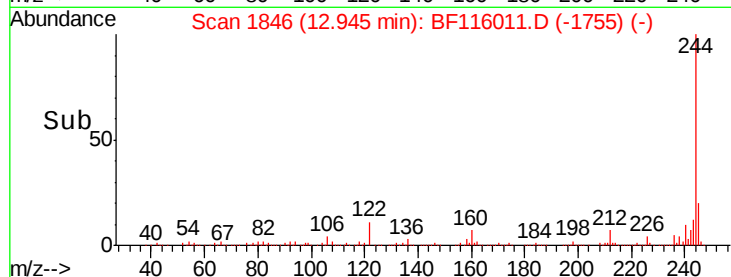
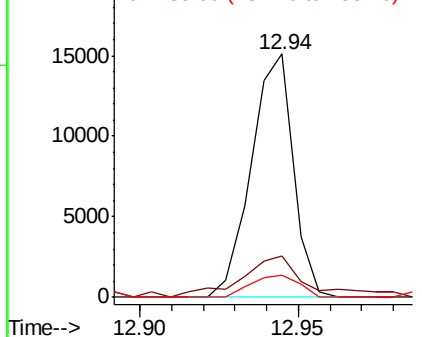
Tot Ion:	184	Resp:	13896
Ion Ratio	Lower	Upper	
184	100		
185	17.2	13.4	20.2
183	9.4	9.1	13.7

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



#78

Pyrene

Concen: 24.096 ng

RT: 12.80 min Scan# 1822

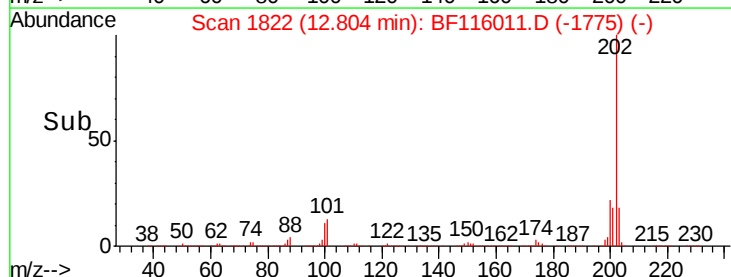
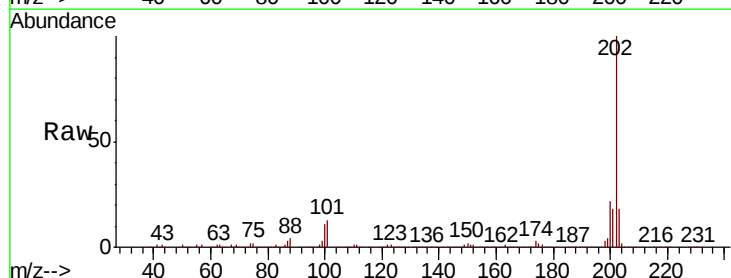
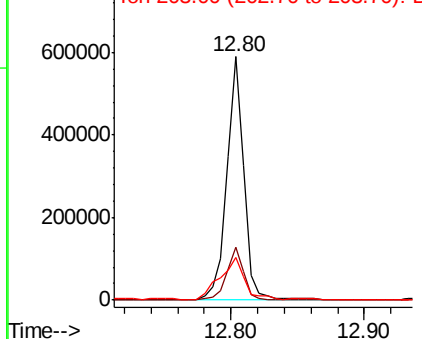
Delta R.T. -0.02 min

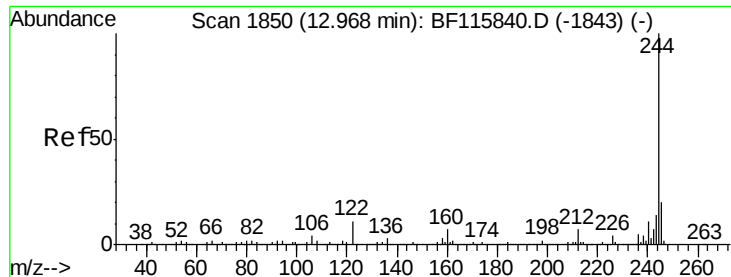
Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tgt Ion:	202	Resp:	529743
Ion Ratio	Lower	Upper	
202	100		
200	21.6	18.2	27.2
203	17.7	14.3	21.5

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





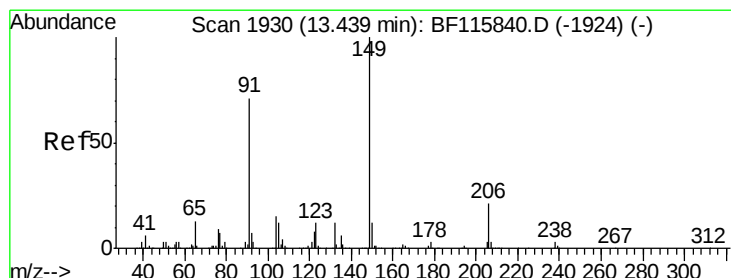
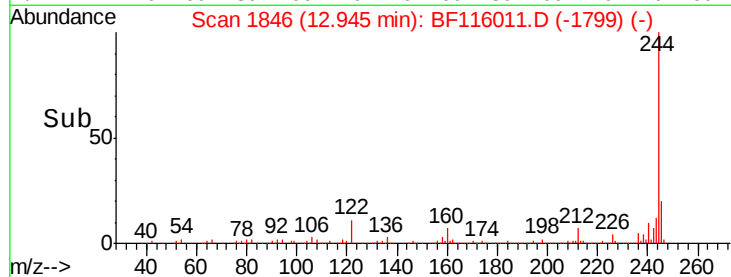
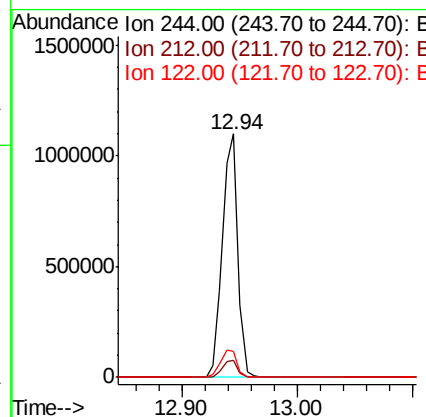
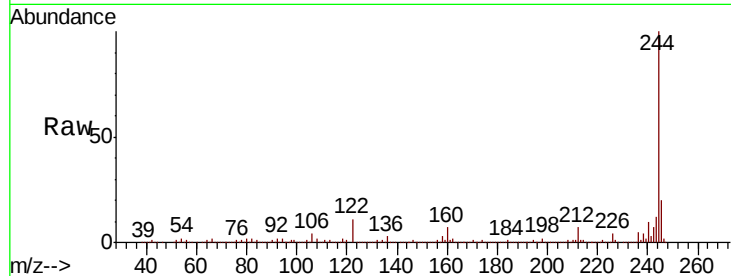
#79
 Terphenyl-d14
 Concen: 73.732 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Instrument :
 BNA_F
 ClientSampleId :
 1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.6	8.6	13.0

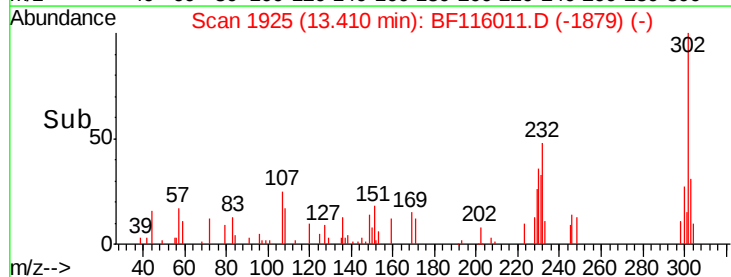
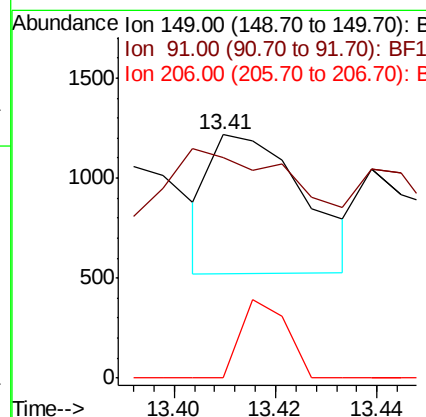
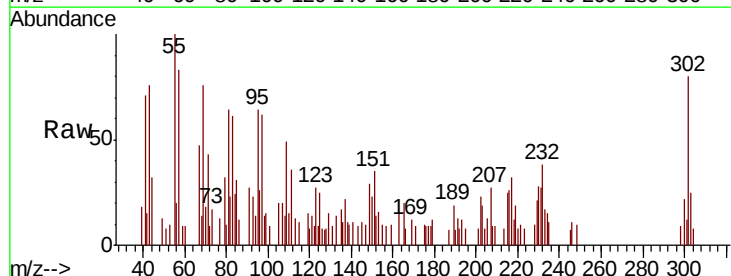
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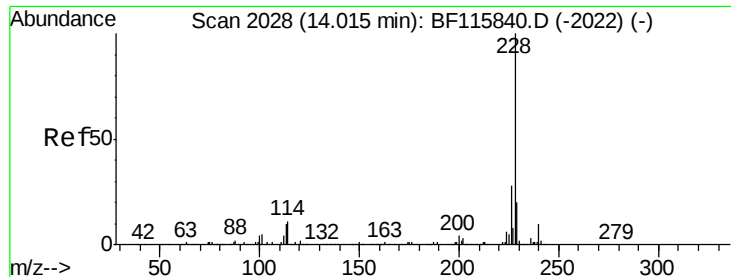
mohammad
 8/7/2019 4:41:50 PM



#80
 Butylbenzylphthalate
 Concen: 0.095 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.03 min
 Lab File: BF116011.D
 Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
149	100		
91	90.7	57.0	85.6#
206	0.0	16.9	25.3#





#81

Benzo(a)anthracene

Concen: 13.952 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

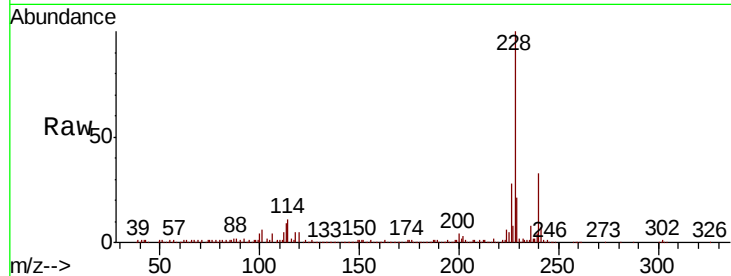
ClientSampleId :

1S-A1-A4-COMP-(30)

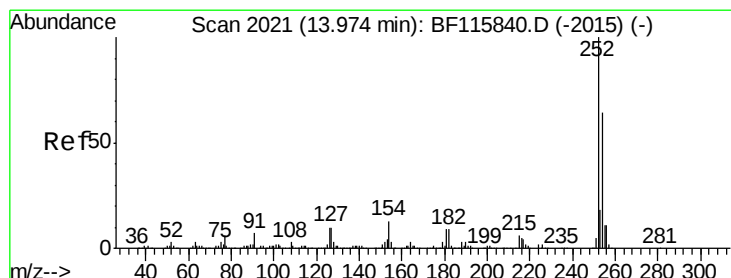
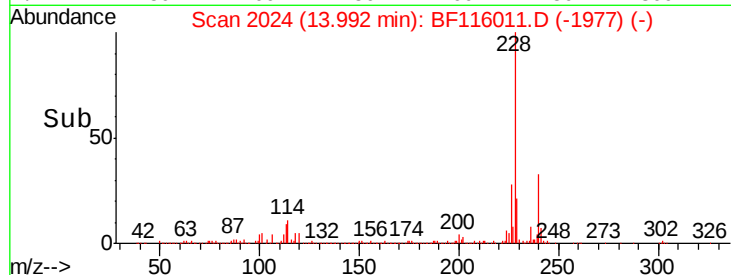
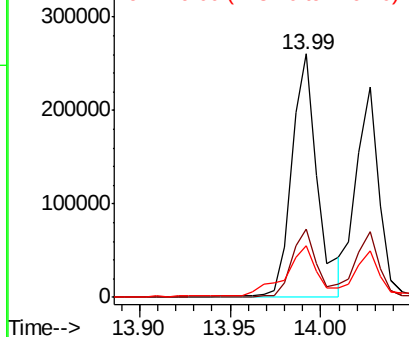
Tot Ion:	228	Resp:	260070
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.5	33.7
229	21.2	16.1	24.1

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.017 ng

RT: 14.00 min Scan# 2026

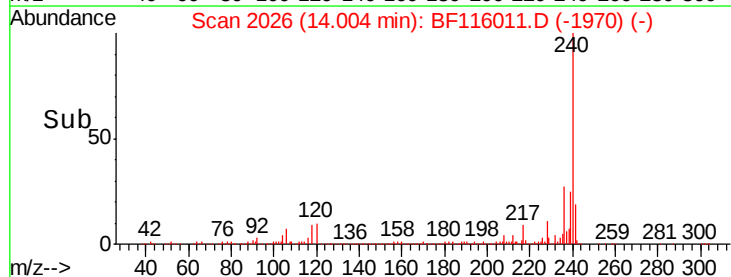
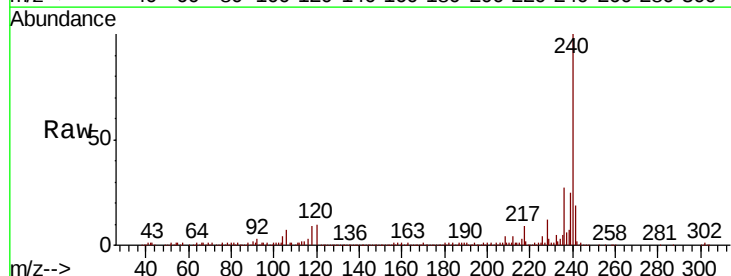
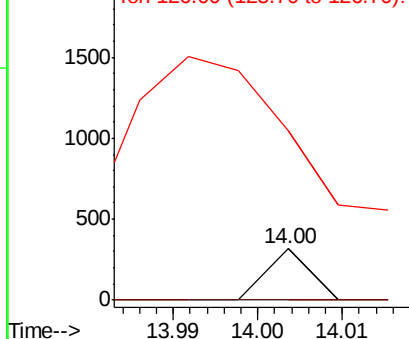
Delta R.T. 0.03 min

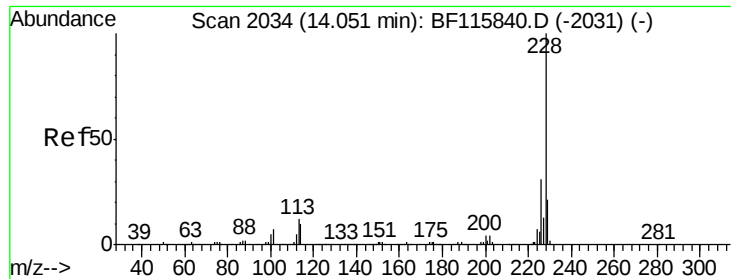
Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tgt Ion:	252	Resp:	112
Ion Ratio	Lower	Upper	
252	100		
254	0.0	51.2	76.8#
126	330.1	8.1	12.1#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





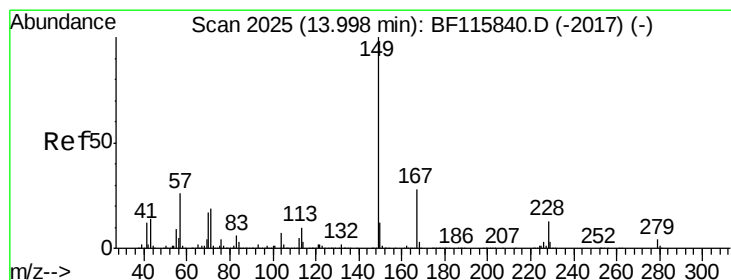
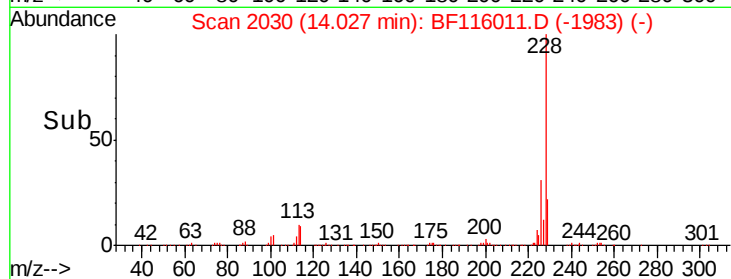
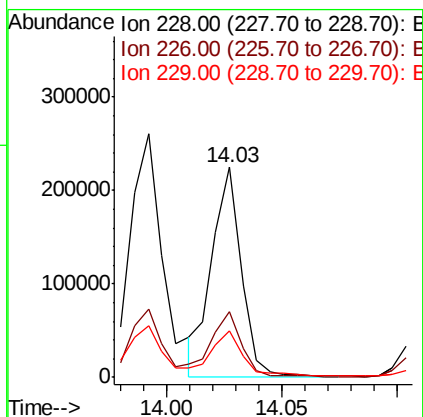
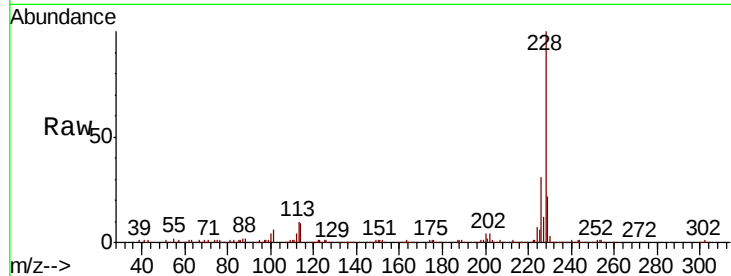
#83
Chrysene
Concen: 11.043 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	22.1	16.4	24.6

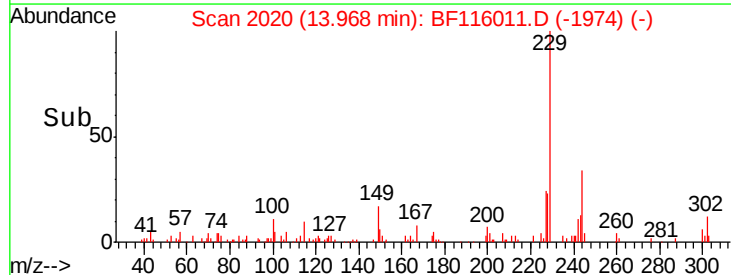
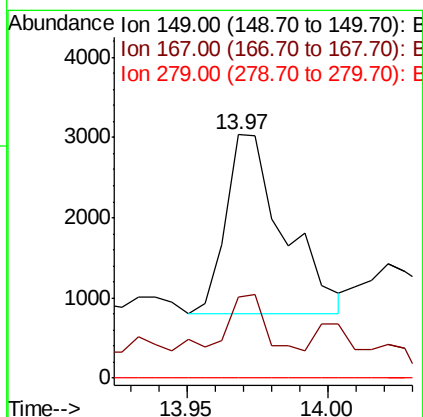
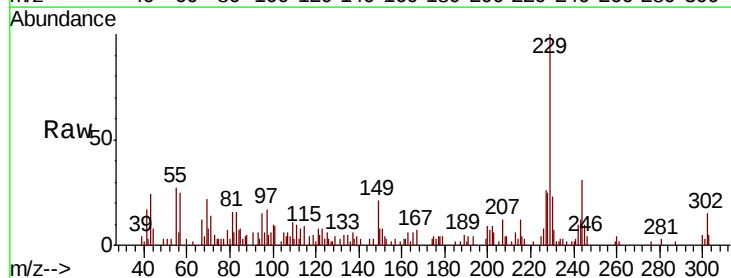
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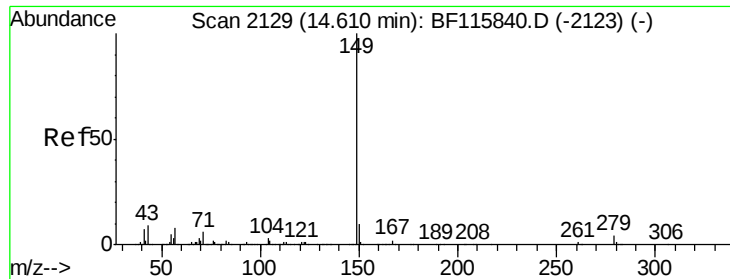
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 0.265 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.4	22.4	33.6
279	0.0	3.3	4.9#





#85

Di-n-octyl phthalate

Concen: 0.015 ng

RT: 14.59 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Instrument :

BNA_F

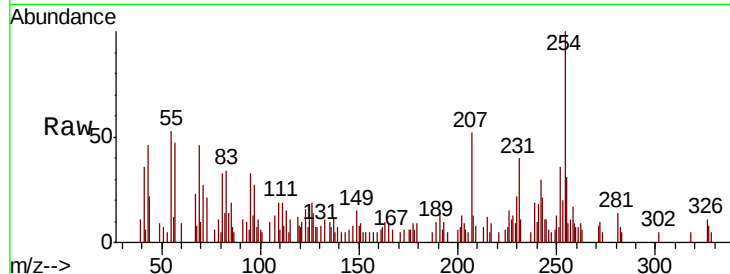
ClientSampleId :

1S-A1-A4-COMP-(30)

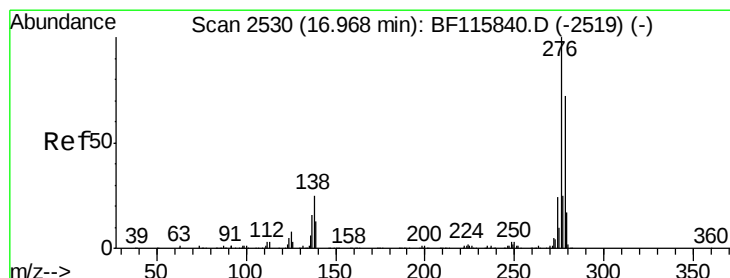
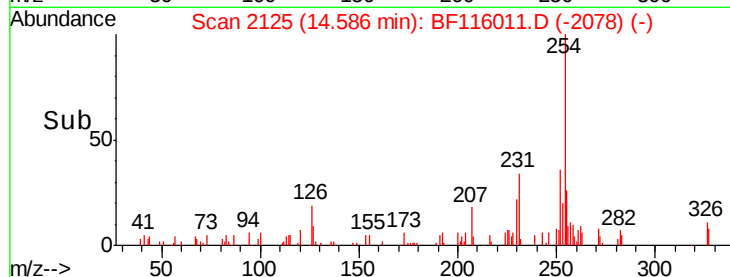
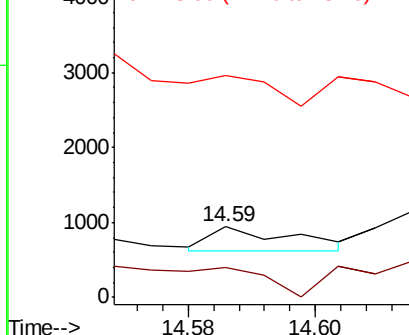
Tot Ion:	149	Resp:	280
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	0.0	7.4	11.0#

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.278 ng

RT: 16.93 min Scan# 2523

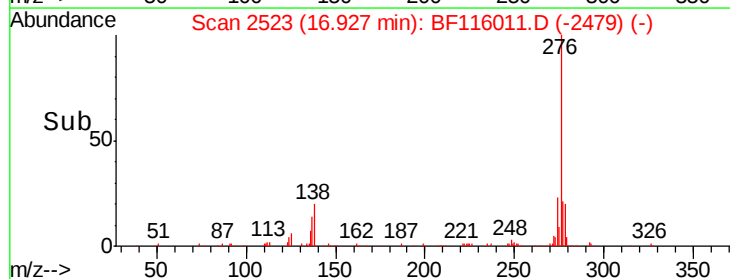
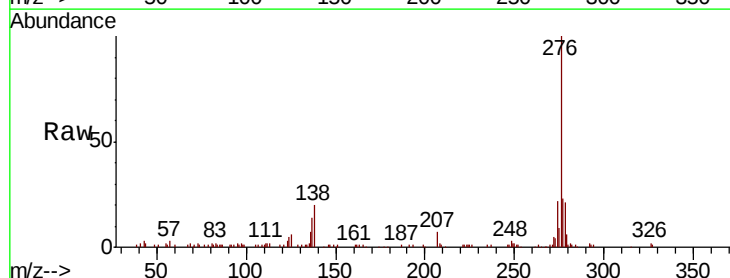
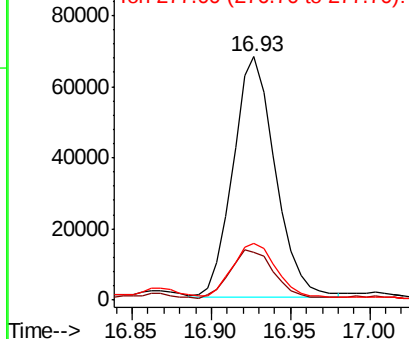
Delta R.T. -0.04 min

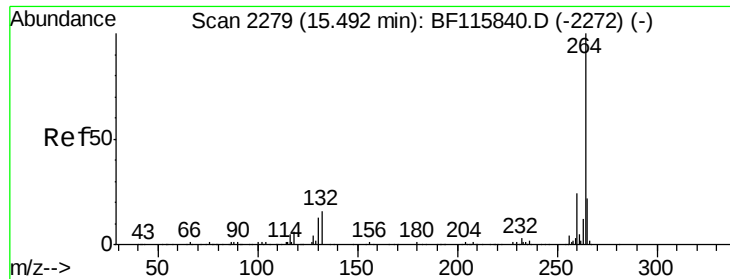
Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tgt Ion:	276	Resp:	125823
Ion Ratio	Lower	Upper	
276	100		
138	21.1	19.6	29.4
277	22.9	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





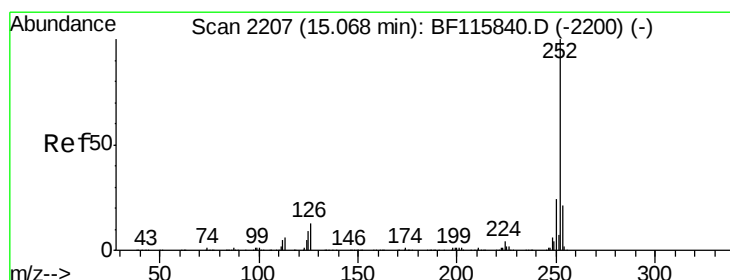
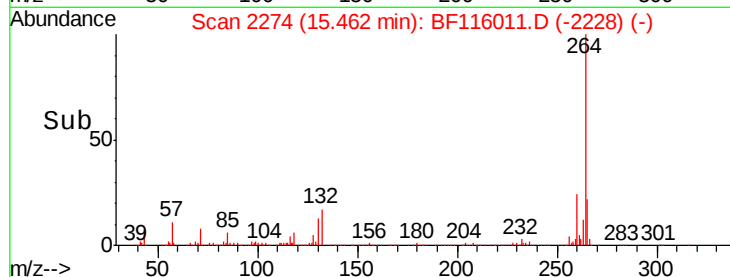
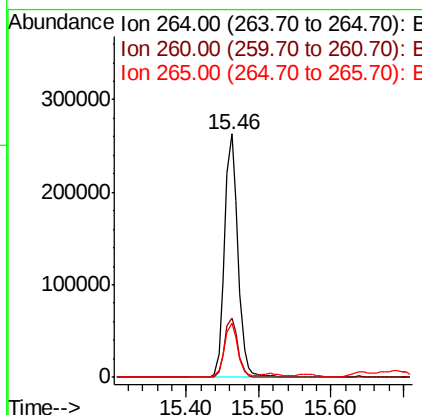
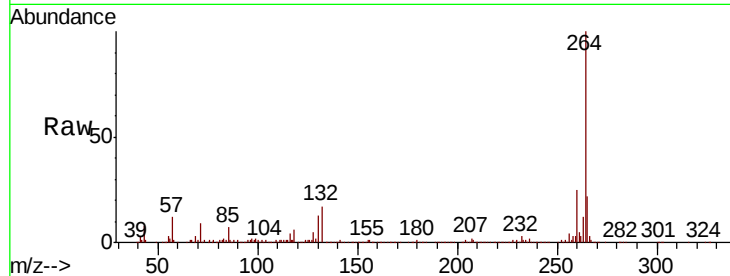
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.3	17.5	26.3

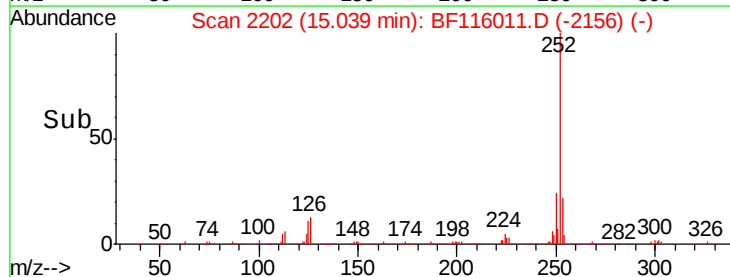
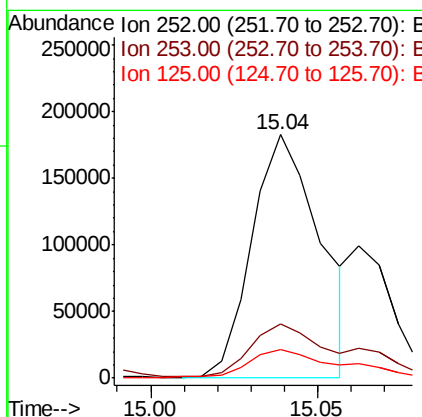
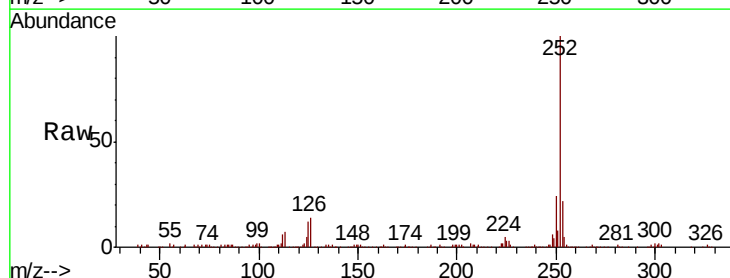
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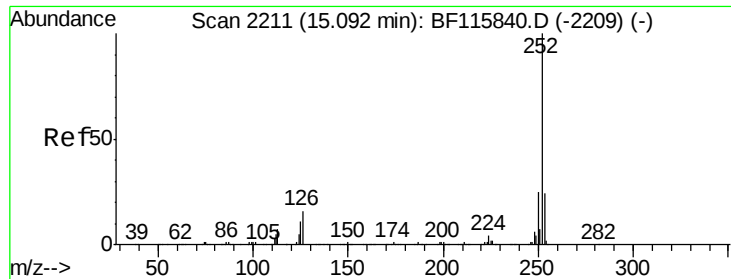
mohammad
8/7/2019 4:41:50 PM



#88
Benzo(b)fluoranthene
Concen: 13.185 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.6	7.4	11.0#





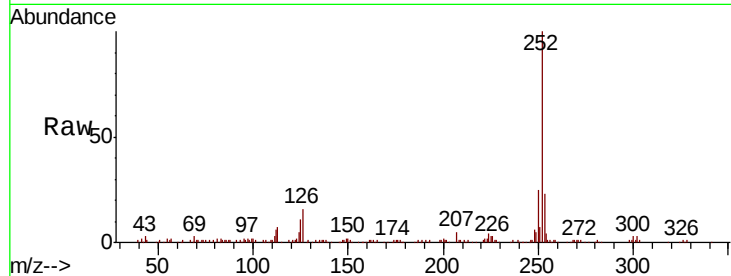
#89
Benzo(k)fluoranthene
Concen: 4.568 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

Instrument :
BNA_F
ClientSampleId :
1S-A1-A4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	11.4	8.9	13.3

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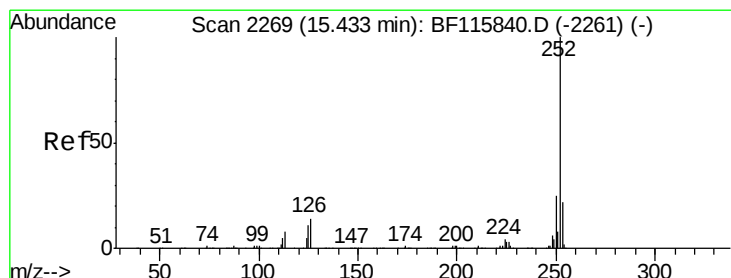
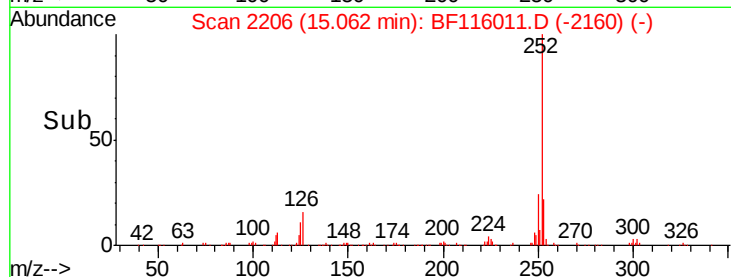
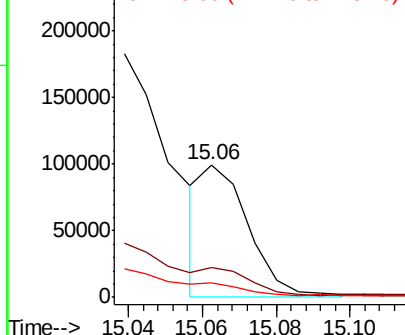


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 11.098 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.03 min
Lab File: BF116011.D
Acq: 6 Aug 2019 14:22

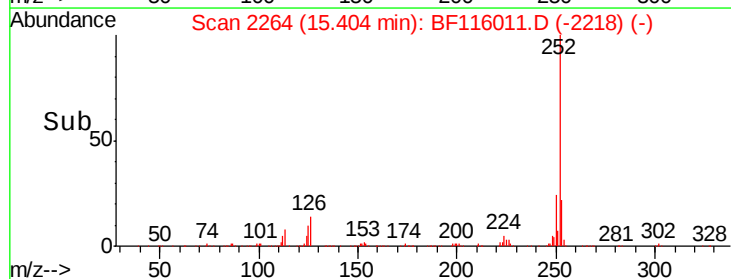
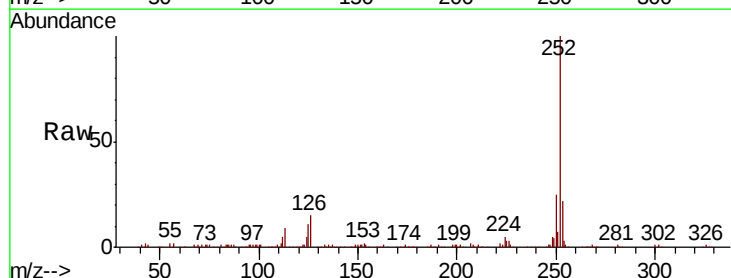
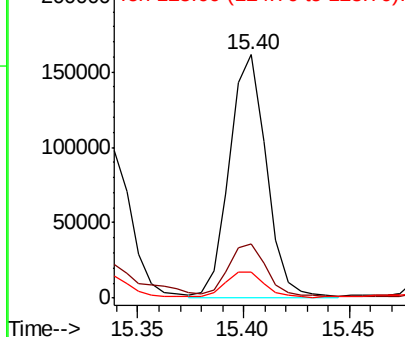
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.8	8.8	13.2

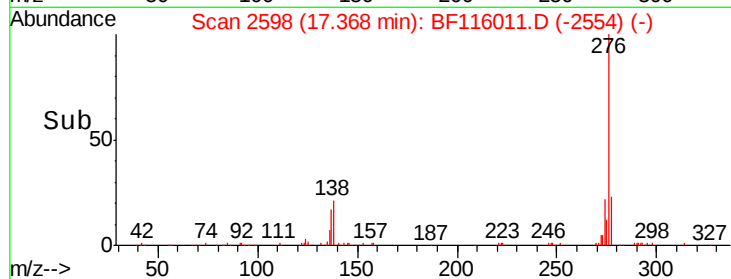
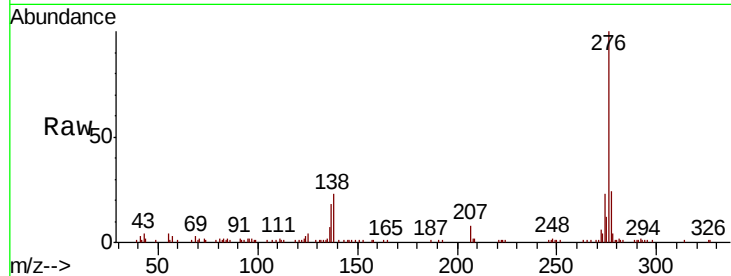
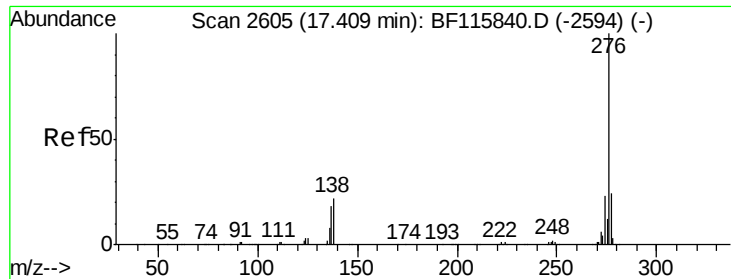
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 7.721 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.04 min

Lab File: BF116011.D

Acq: 6 Aug 2019 14:22

Tot Ion:	276	Resp:	115329
Ion Ratio		Lower	Upper
276	100		
277	24.1	19.5	29.3
138	22.7	17.8	26.8

Instrument :

BNA_F

ClientSampleId :

1S-A1-A4-COMP-(30)

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