

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090419\
 Data File : BF116818.D
 Acq On : 4 Sep 2019 16:27
 Operator : HP/JU
 Sample : K4601-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 05 02:07:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	75763	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	292435	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	143013	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	190719	20.00	ng	0.00
76) Chrysene-d12	14.00	240	137122	20.00	ng	0.00
87) Perylene-d12	15.46	264	141390	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	467897	100.05	ng	0.00
7) Phenol-d6	6.48	99	643278	104.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	404021	78.87	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	109519	114.55	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	685237	80.83	ng	0.00
79) Terphenyl-d14	12.95	244	479247	64.66	ng	0.00

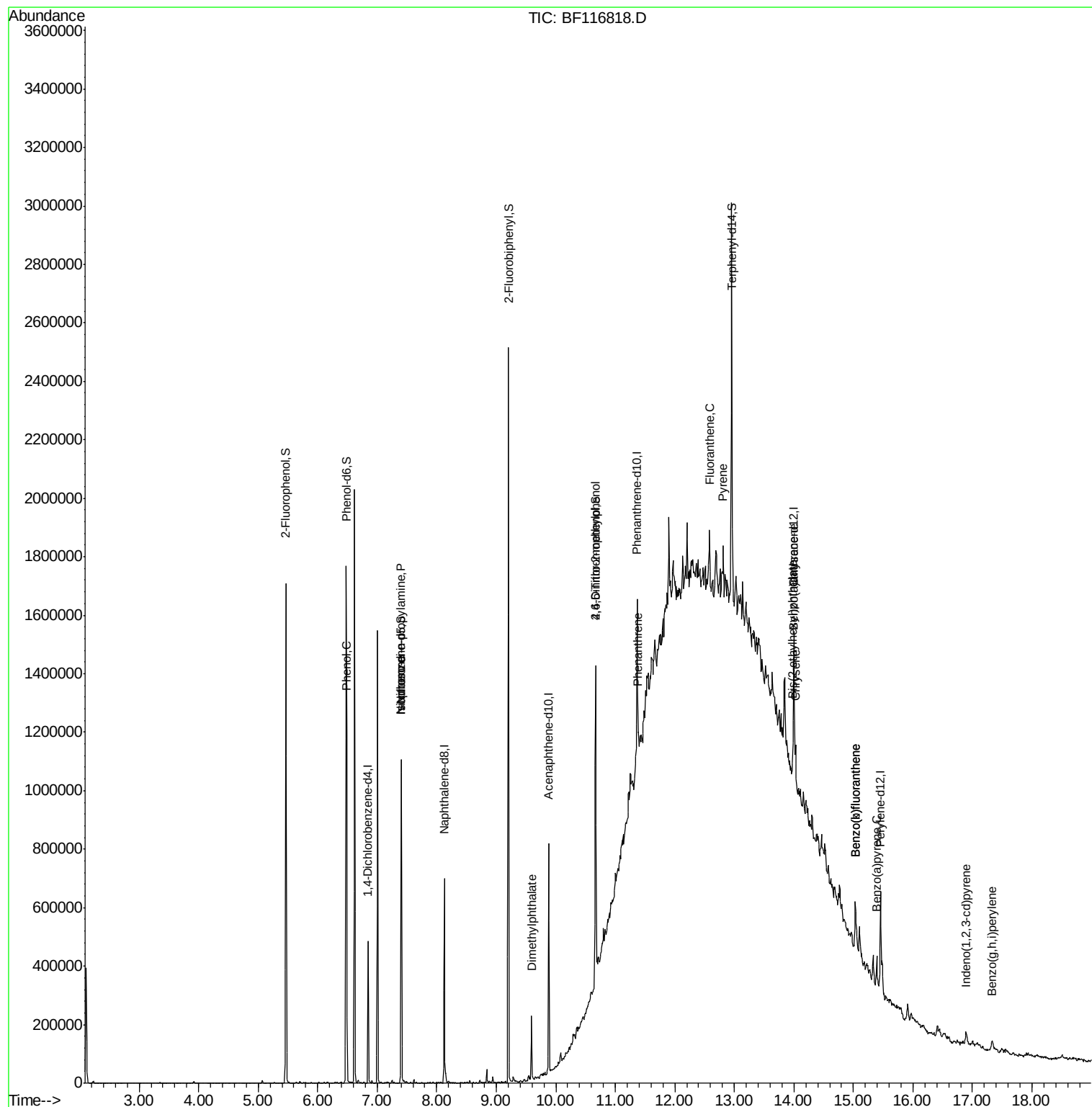
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	33186	4.880	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	54378	13.449	ng	# 73
25) Isophorone	7.40	82	404015	38.922	ng	# 66
50) Dimethylphthalate	9.59	163	76595	7.758	ng	99
65) 4,6-Dinitro-2-methylphenol	10.66	198	216	7.711	ng	# 1
71) Phenanthrene	11.39	178	33269	3.134	ng	# 78
75) Fluoranthene	12.59	202	76140	7.298	ng	87
78) Pyrene	12.81	202	73270	6.011	ng	# 86
81) Benzo(a)anthracene	13.99	228	48891	5.634	ng	# 87
83) Chrysene	14.03	228	51437	5.753	ng	# 90
84) Bis(2-ethylhexyl)phthalate	13.98	149	18847	2.576	ng	# 95
86) Indeno(1,2,3-cd)pyrene	16.89	276	23836	3.319	ng	94
88) Benzo(b)fluoranthene	15.03	252	92573	10.829	ng	# 94
89) Benzo(k)fluoranthene	15.03	252	92573	11.877	ng	# 94
90) Benzo(a)pyrene	15.39	252	44045	5.922	ng	# 96
92) Benzo(g,h,i)perylene	17.33	276	23460	3.534	ng	# 93

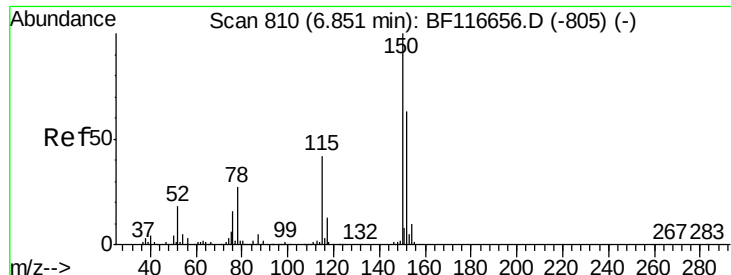
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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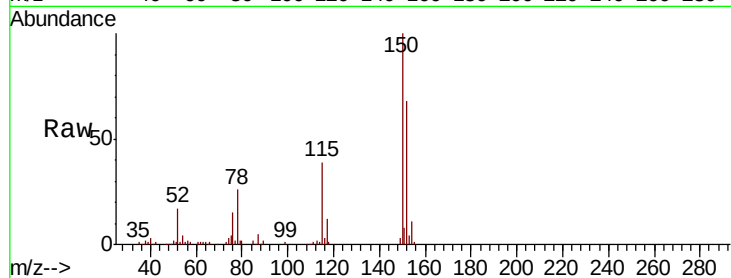


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.7	124.4	186.6
115	57.6	49.9	74.9

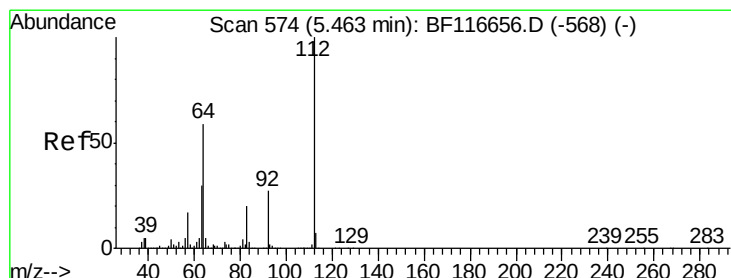
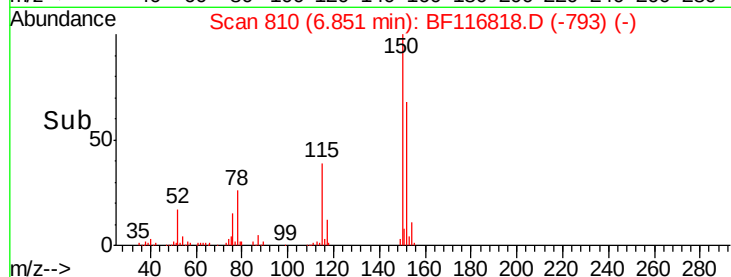
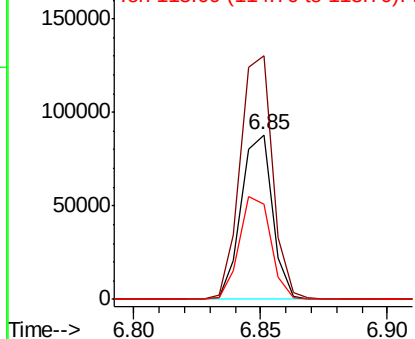


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

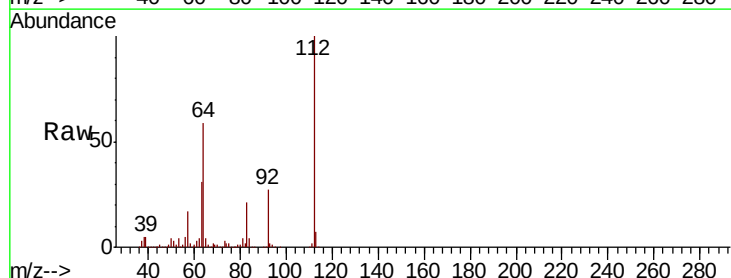
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.051 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.1	70.7
63	30.6	24.9	37.3

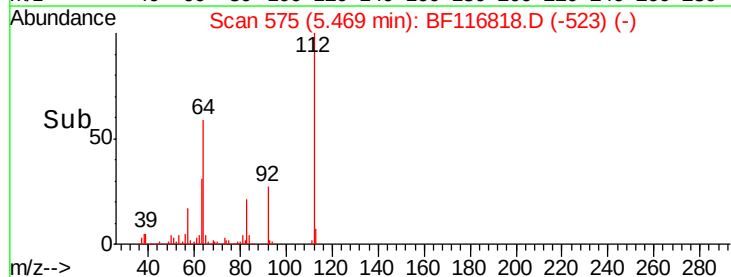
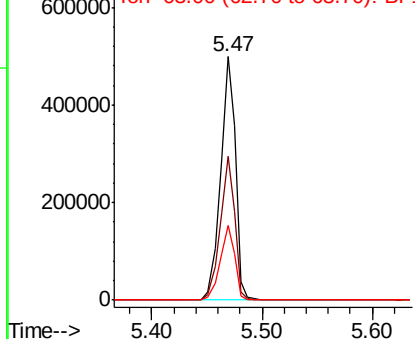


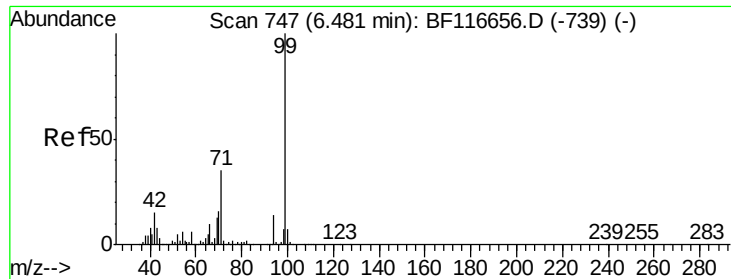
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.754 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

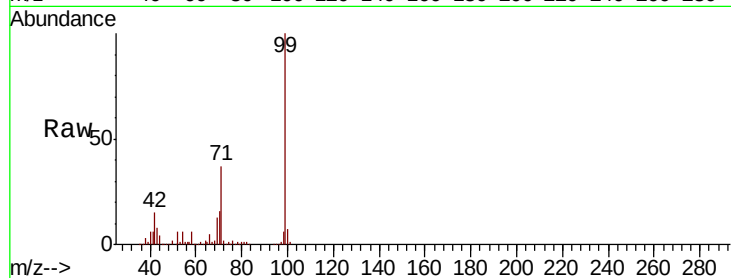
Tot Ion: 99 Resp: 643278

Ion Ratio Lower Upper

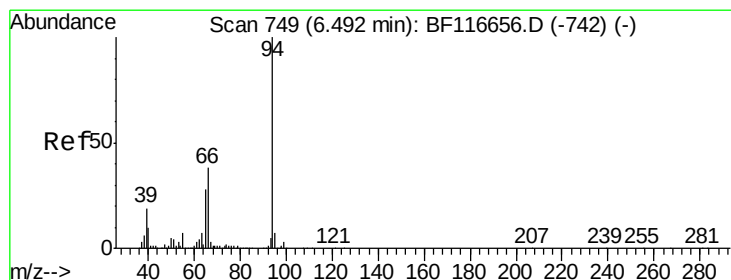
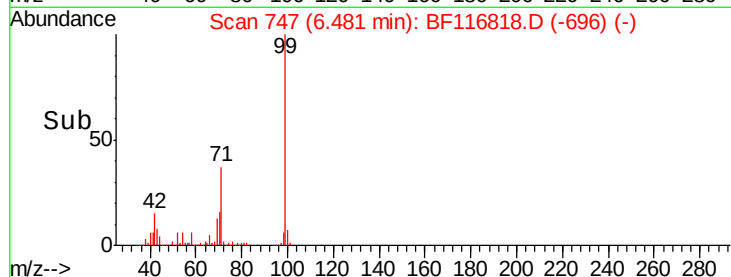
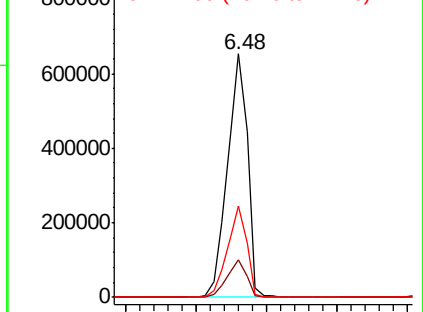
99 100

42 15.5 13.7 20.5

71 37.3 30.8 46.2



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



#10

Phenol

Concen: 4.880 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

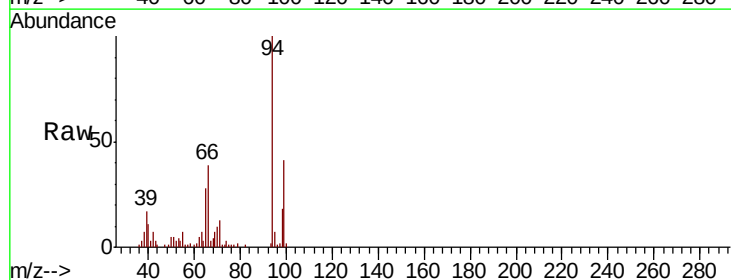
Tgt Ion: 94 Resp: 33186

Ion Ratio Lower Upper

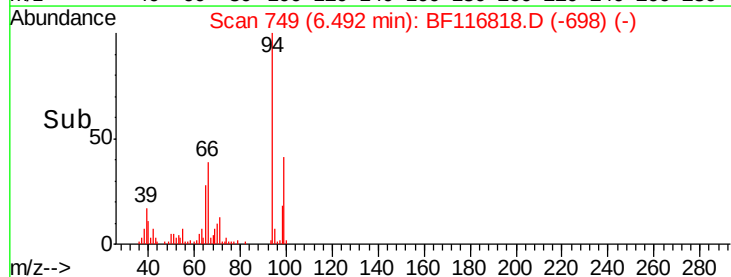
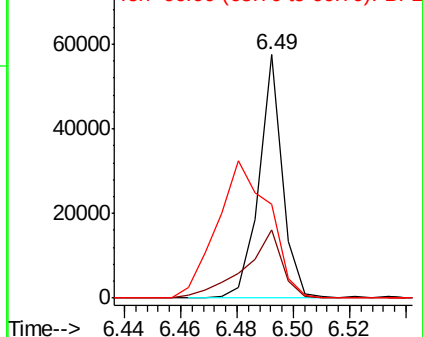
94 100

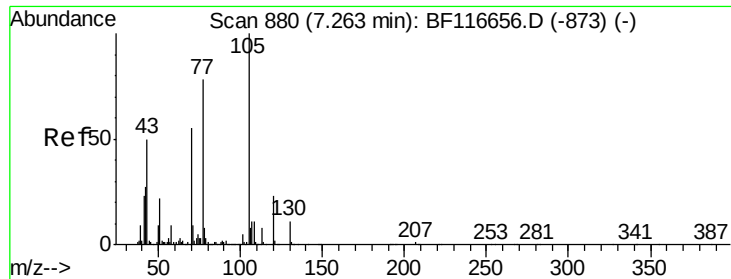
65 28.3 10.8 50.8

66 38.6 21.1 61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

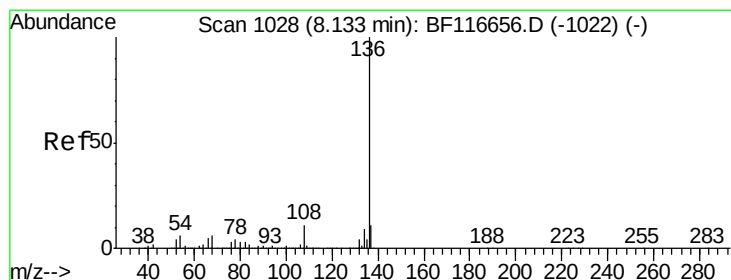
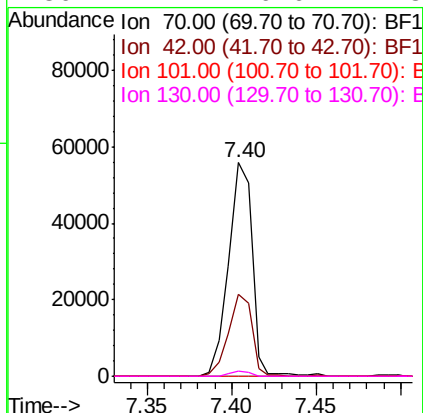
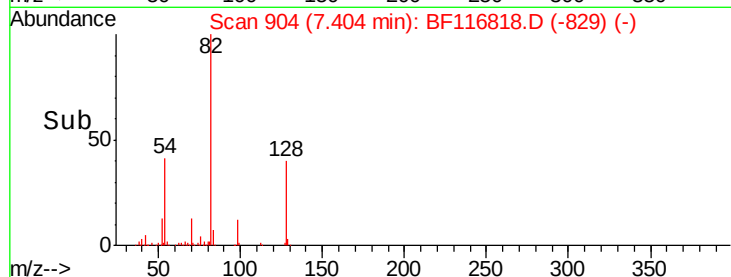
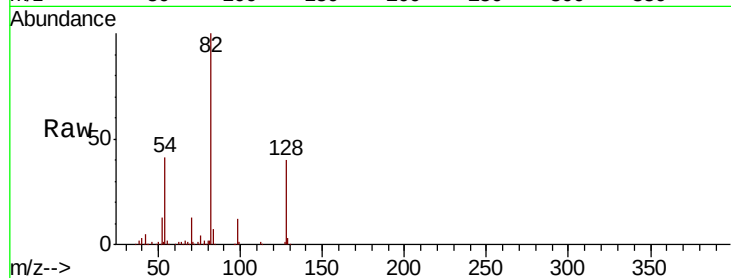




#19
n-Nitroso-di-n-propylamine
Concen: 13.449 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

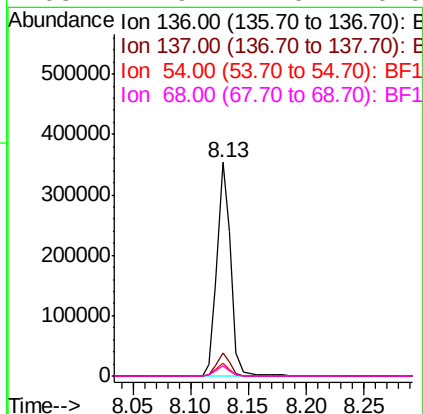
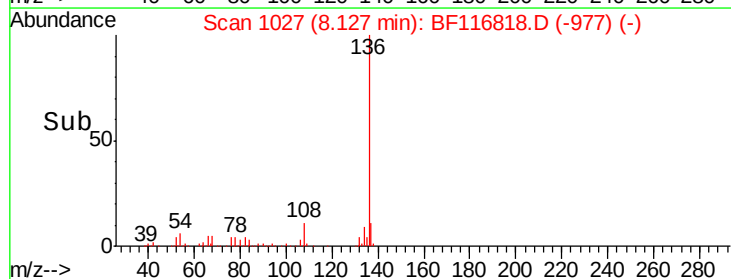
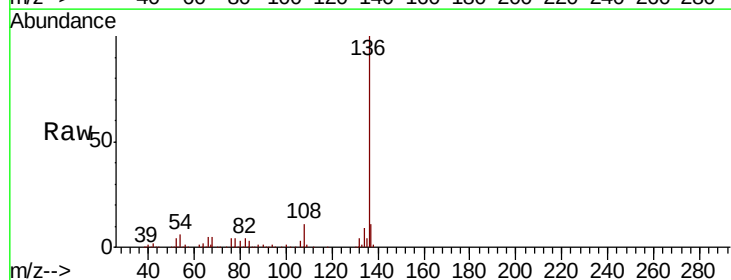
Instrument :
BNA_F
ClientSampleId :

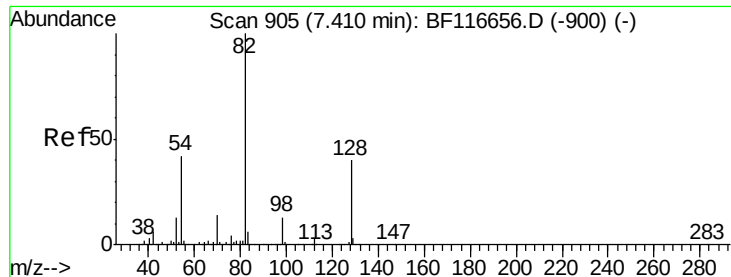
Tot Ion	Ratio	Lower	Upper
70	100		
42	38.5	43.5	65.3#
101	0.0	7.8	11.6#
130	2.4	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.1	4.8	7.2
68	4.9	4.0	6.0





#23

Nitrobenzene-d5

Concen: 78.870 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampled :

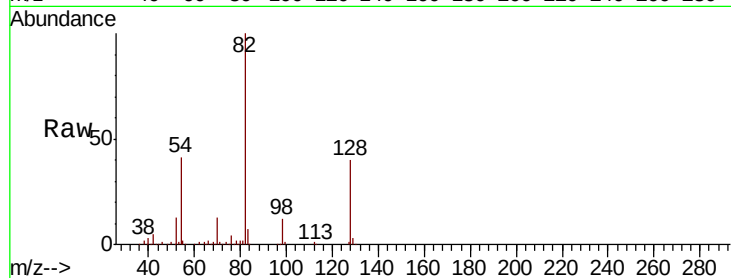
Tot Ion: 82 Resp: 404021

Ion Ratio Lower Upper

82 100

128 40.2 32.8 49.2

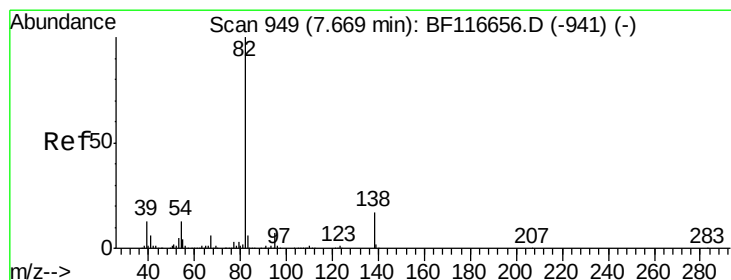
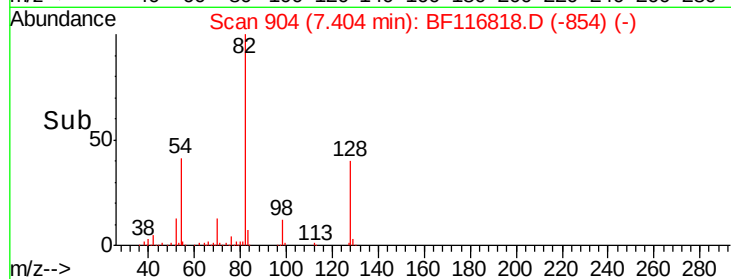
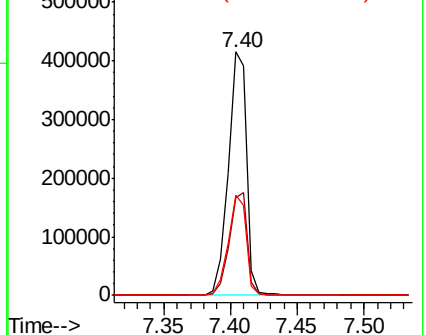
54 41.3 36.9 55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 38.922 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

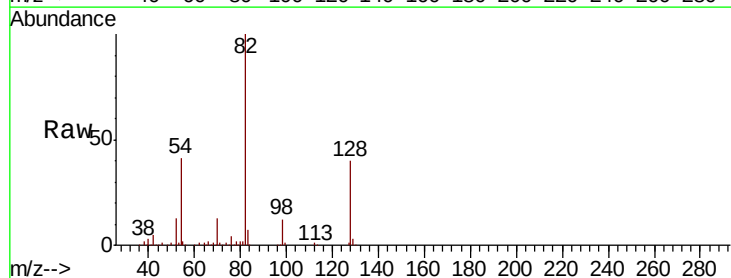
Tgt Ion: 82 Resp: 404015

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

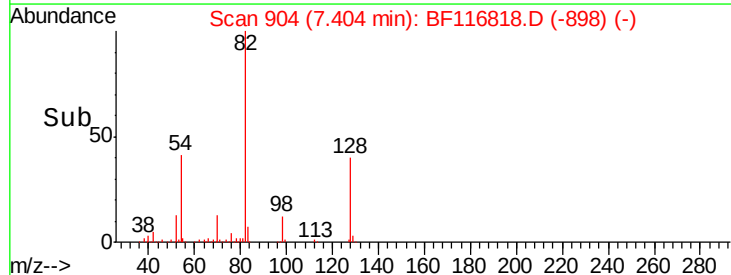
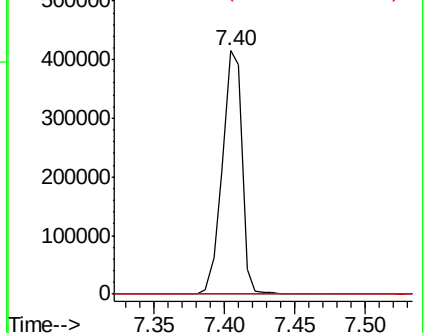
138 0.0 13.5 20.3#

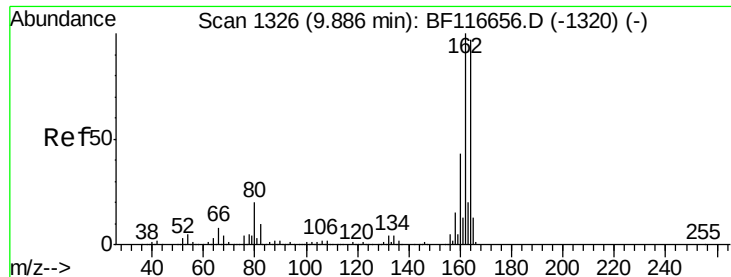


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

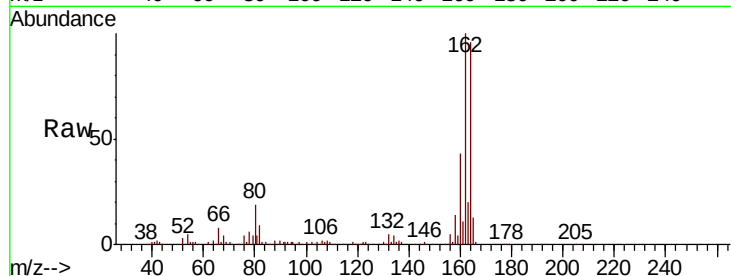




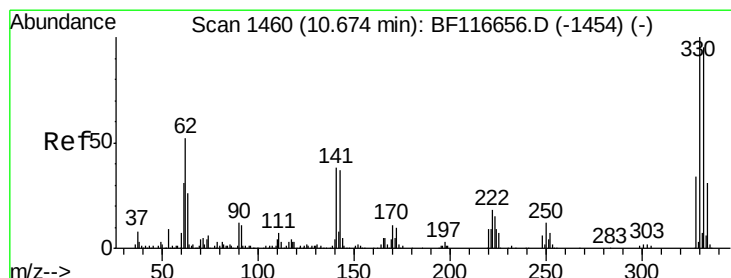
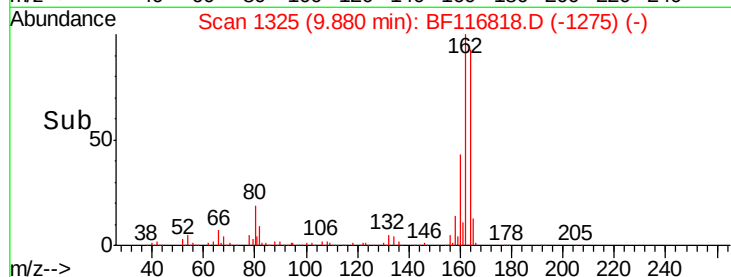
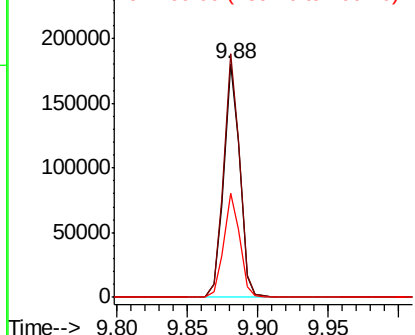
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 143013
Ion Ratio Lower Upper
164 100
162 104.3 81.4 122.0
160 44.7 35.4 53.2

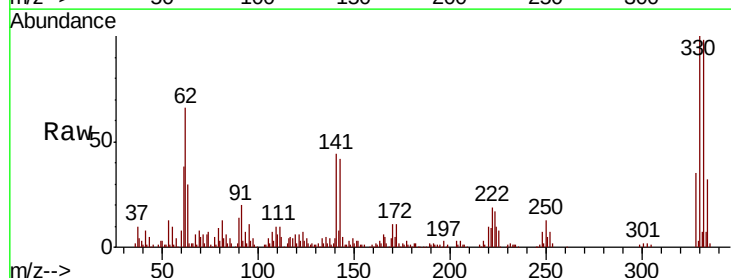


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

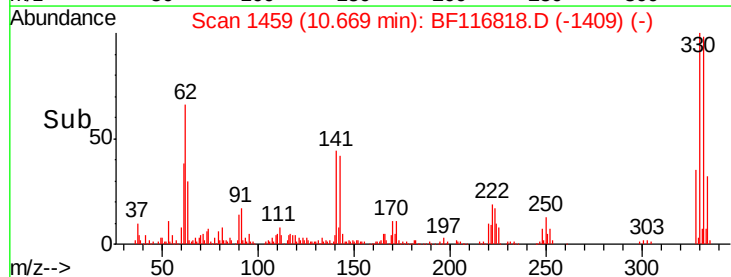
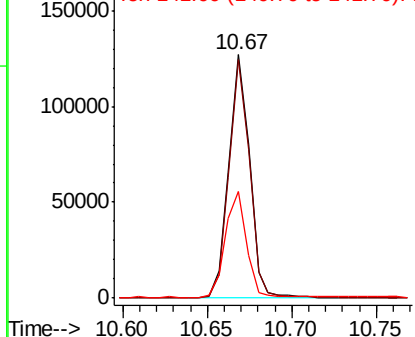


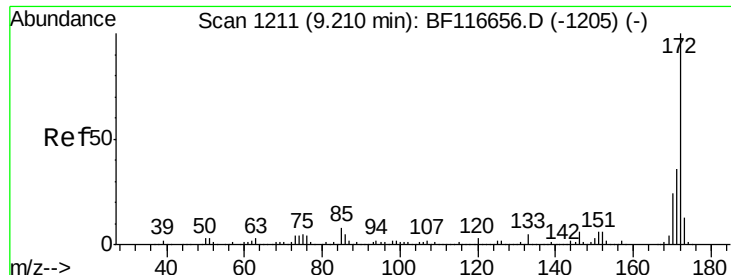
#42
2,4,6-Tribromophenol
Concen: 114.551 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:330 Resp: 109519
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 43.7 31.4 47.2



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

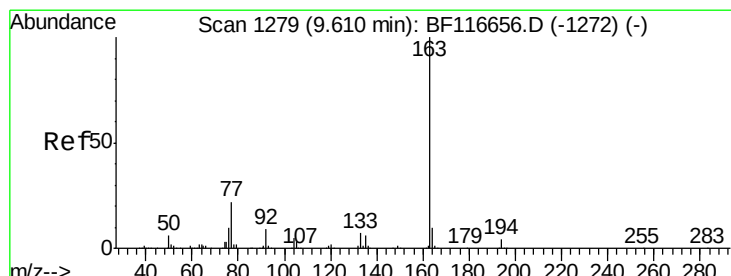
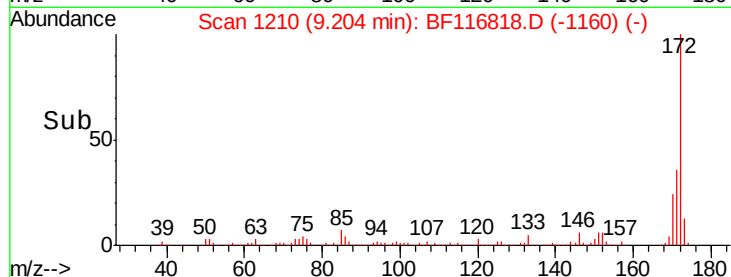
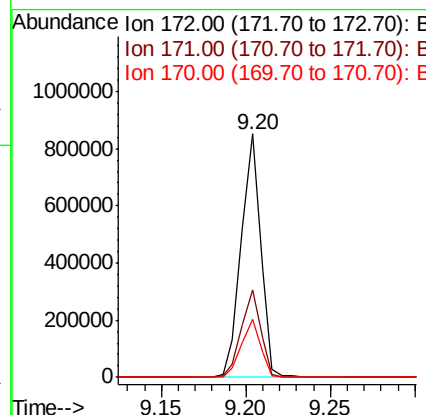
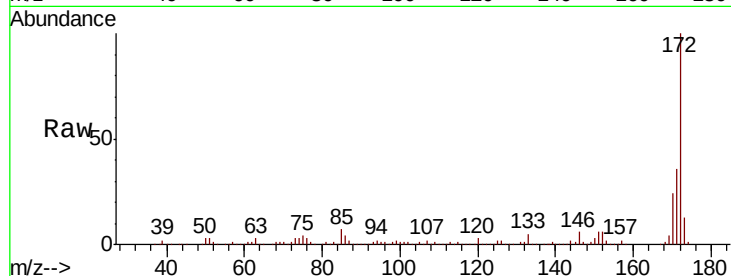




#45
2-Fluorobiphenyl
Concen: 80.826 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

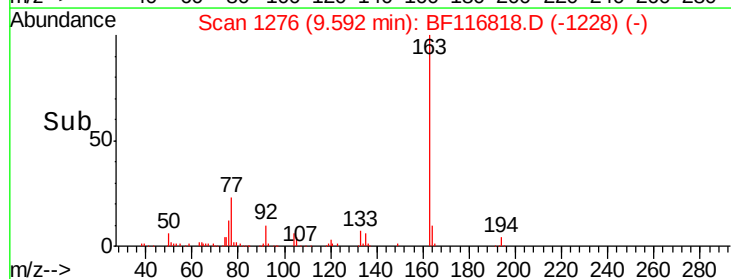
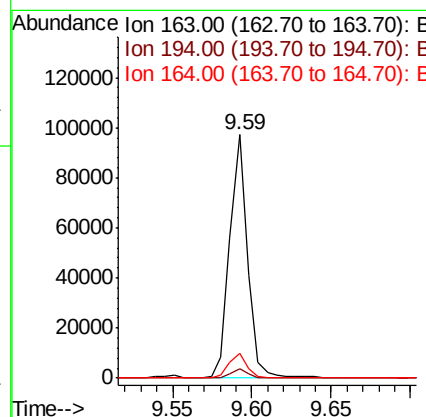
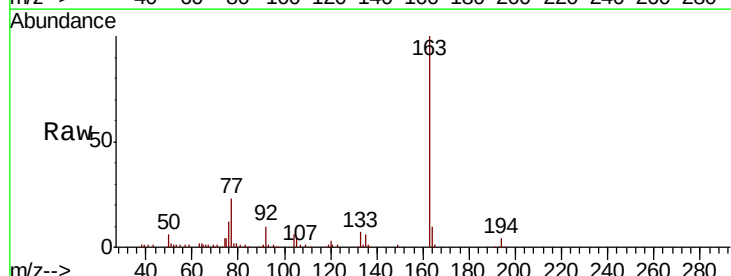
Instrument :
BNA_F
ClientSampled :

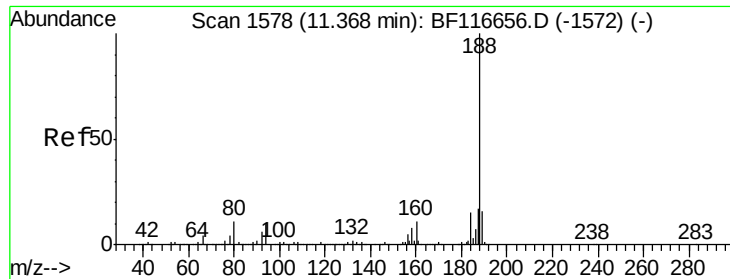
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	24.0	18.9	28.3



#50
Dimethylphthalate
Concen: 7.758 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	10.3	8.6	12.8

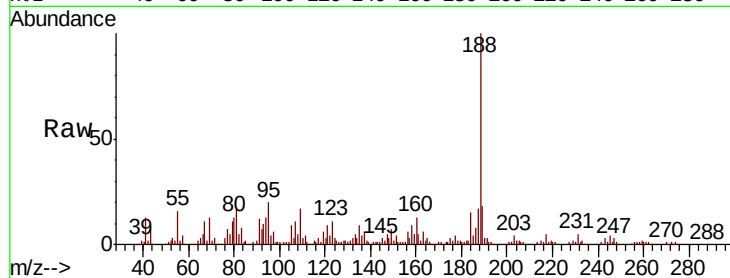




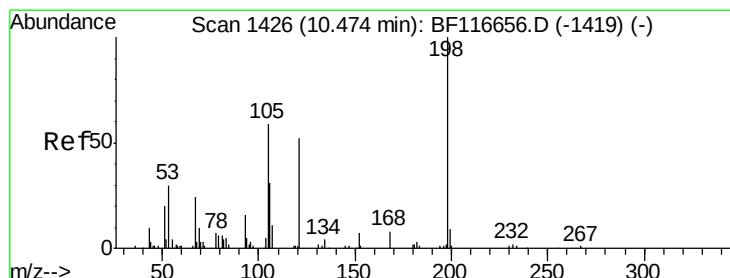
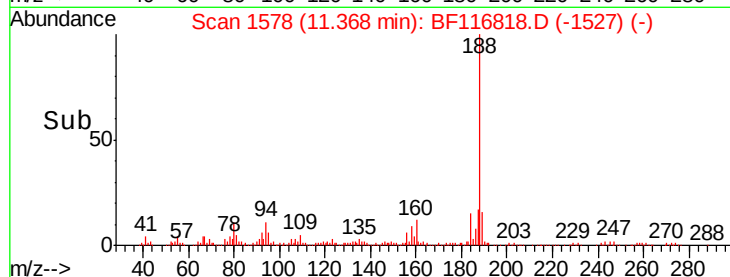
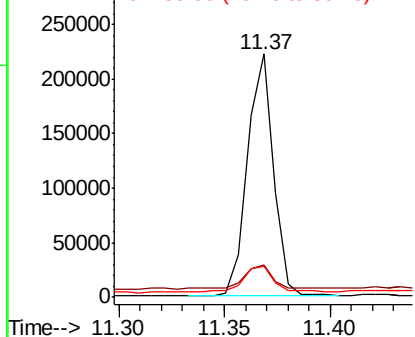
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 190719
Ion Ratio Lower Upper
188 100
94 13.2 7.3 10.9#
80 12.7 8.4 12.6#

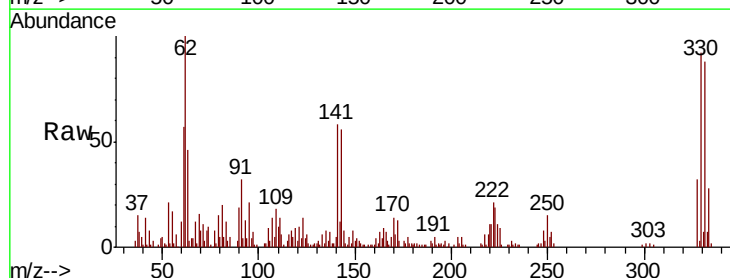


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

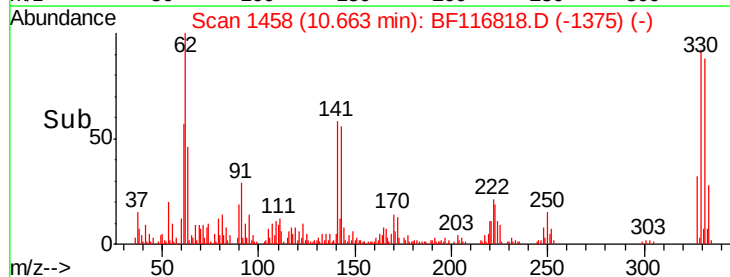
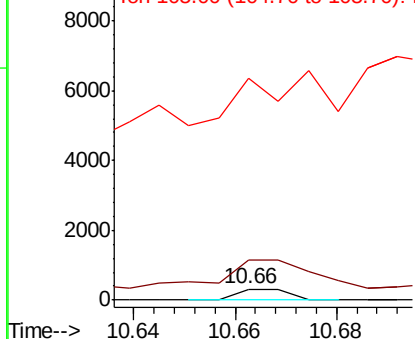


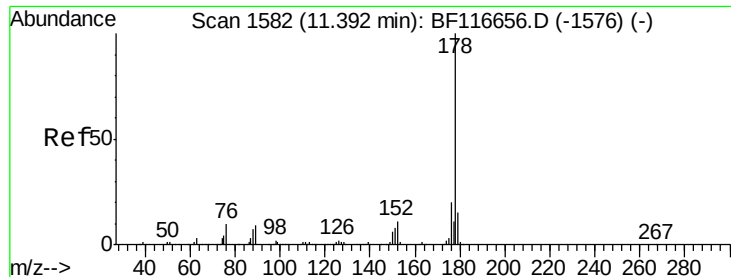
#65
4,6-Dinitro-2-methylphenol
Concen: 7.711 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:198 Resp: 216
Ion Ratio Lower Upper
198 100
51 366.8 18.4 58.4#
105 2047.1 22.9 62.9#



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: 3.134 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Instrument :

BNA_F

ClientSampleId :

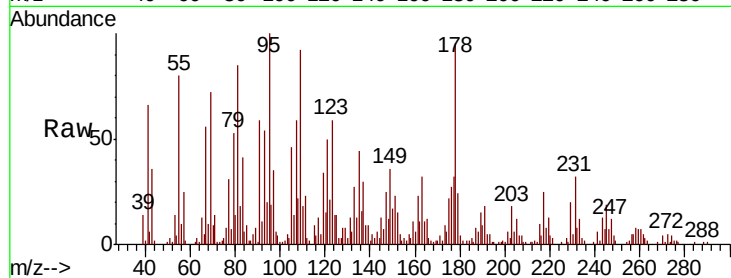
Tot Ion:178 Resp: 33269

Ion Ratio Lower Upper

178 100

176 28.8 15.4 23.0#

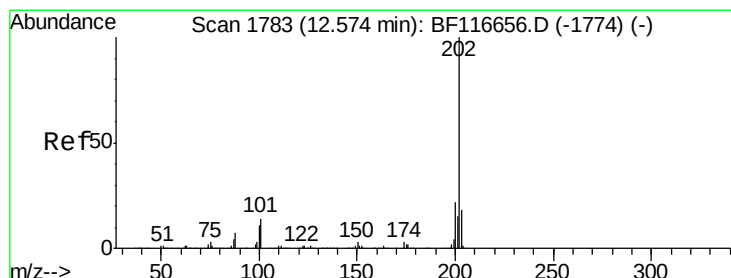
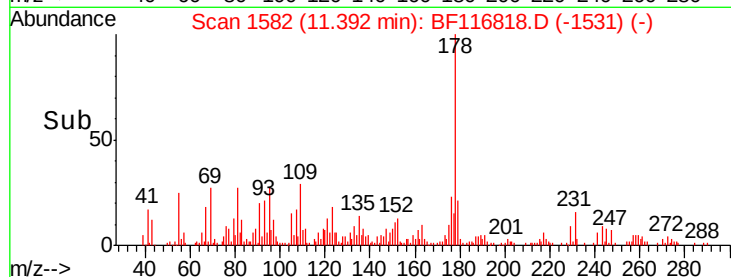
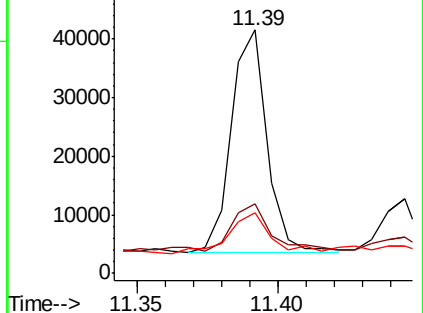
179 25.1 12.2 18.2#



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



#75

Fluoranthene

Concen: 7.298 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

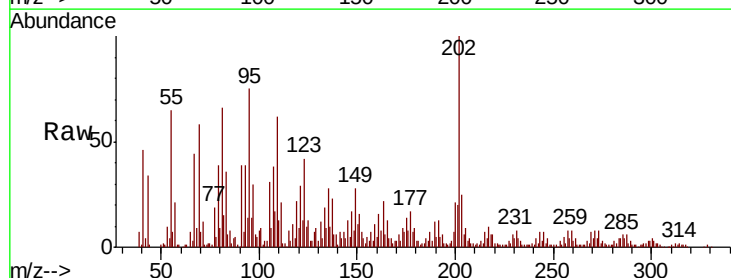
Tgt Ion:202 Resp: 76140

Ion Ratio Lower Upper

202 100

101 9.0 0.0 31.3

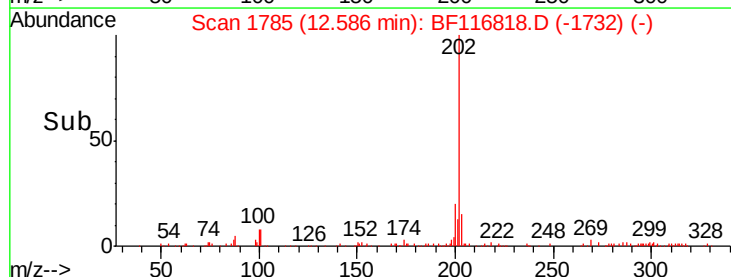
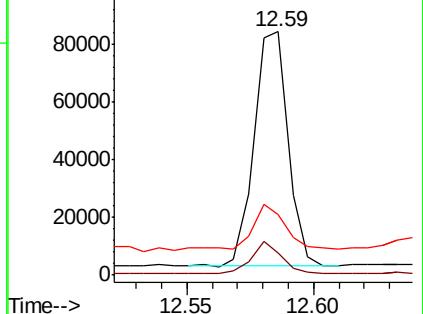
203 25.1 0.0 37.6

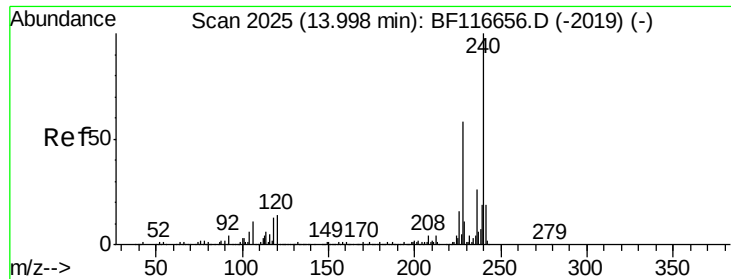


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

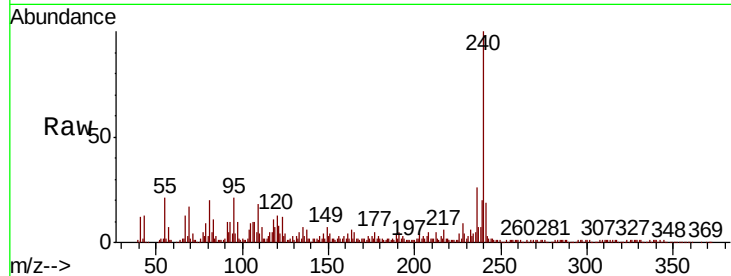




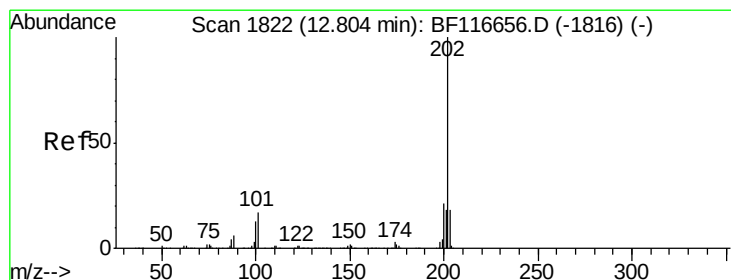
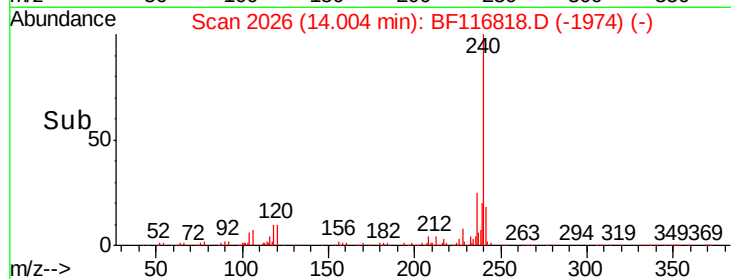
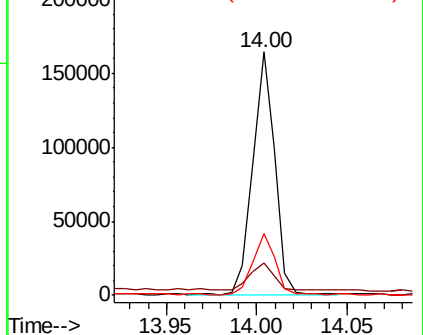
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 137122
Ion Ratio Lower Upper
240 100
120 13.4 9.1 13.7
236 25.6 21.1 31.7

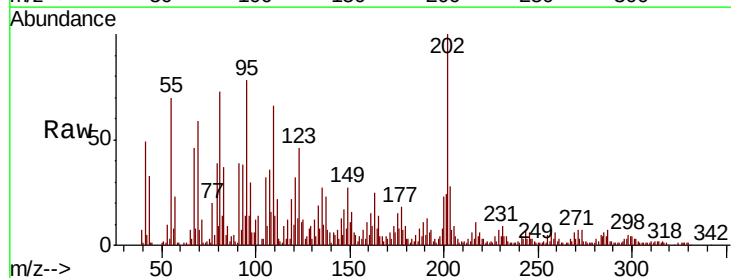


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

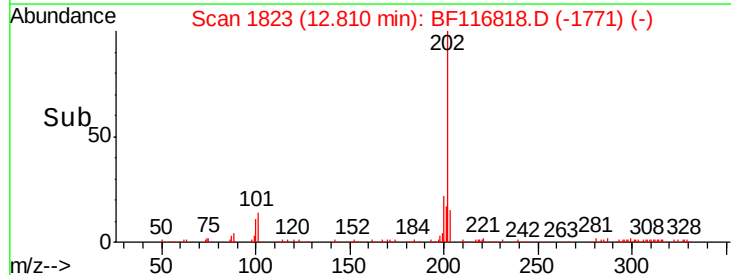
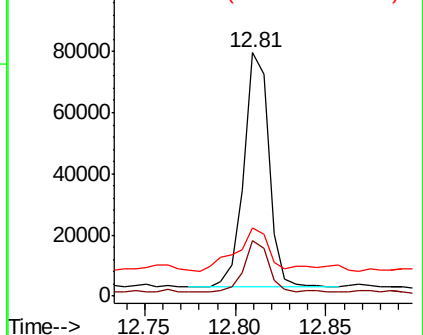


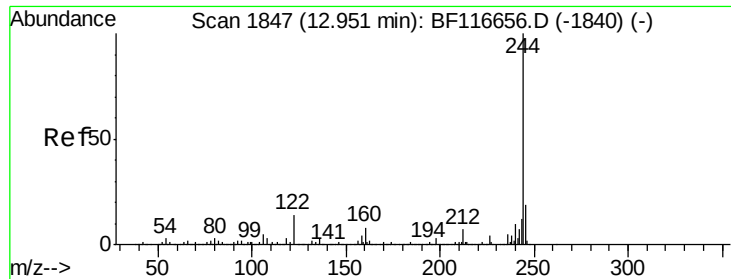
#78
Pyrene
Concen: 6.011 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:202 Resp: 73270
Ion Ratio Lower Upper
202 100
200 22.7 16.5 24.7
203 28.2 13.7 20.5#



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

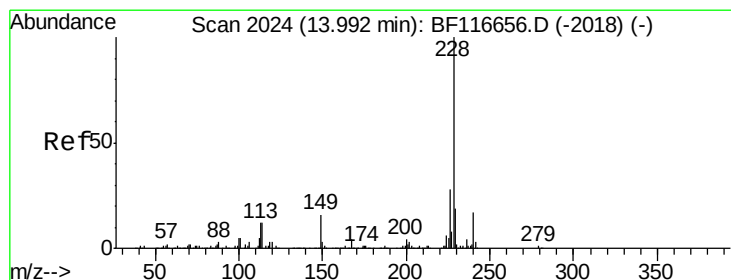
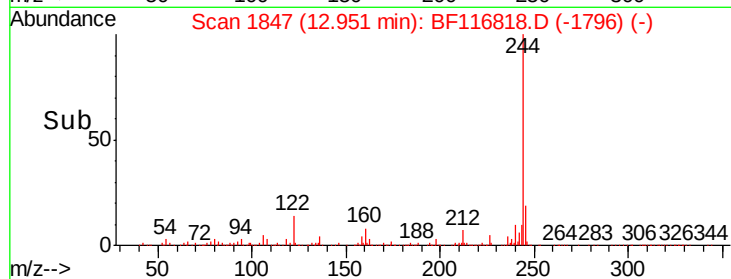
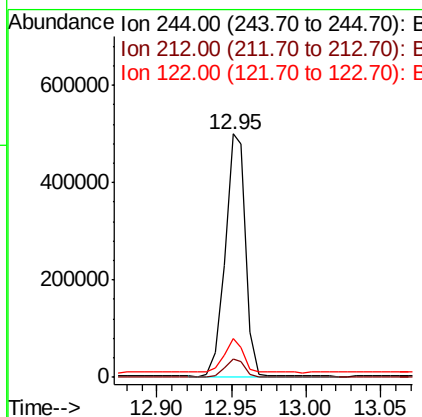
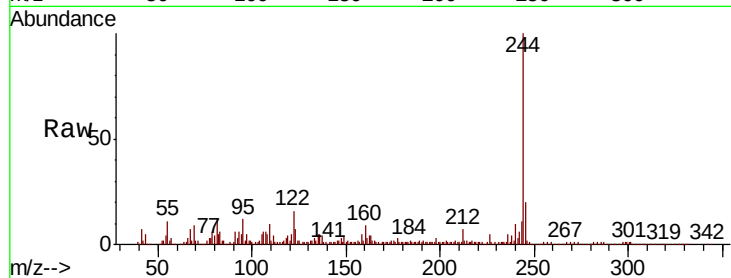




#79
 Terphenyl-d14
 Concen: 64.656 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.00 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

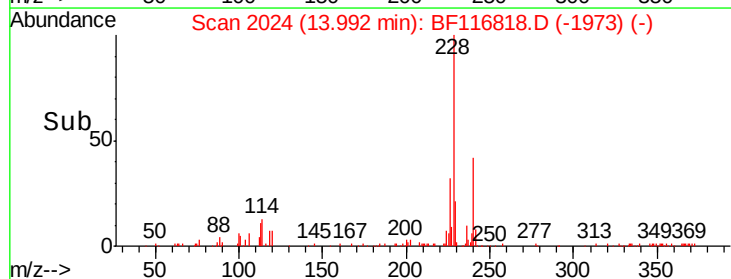
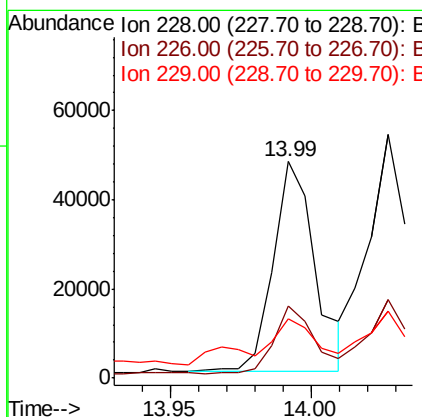
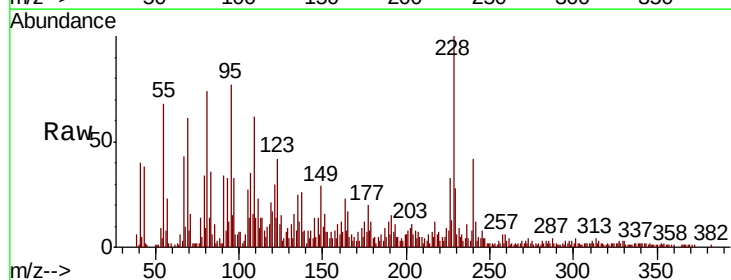
Instrument :
 BNA_F
 ClientSampleId :

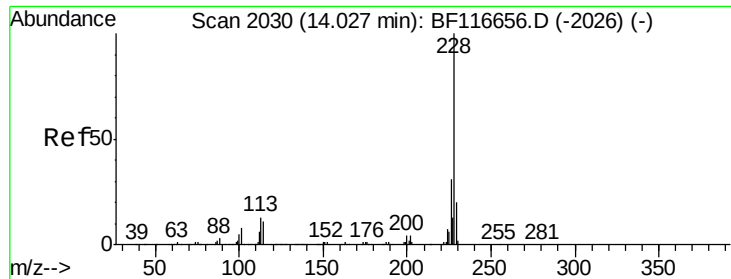
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	15.9	10.2	15.4



#81
 Benzo(a)anthracene
 Concen: 5.634 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.0	33.0
229	27.6	16.4	24.6

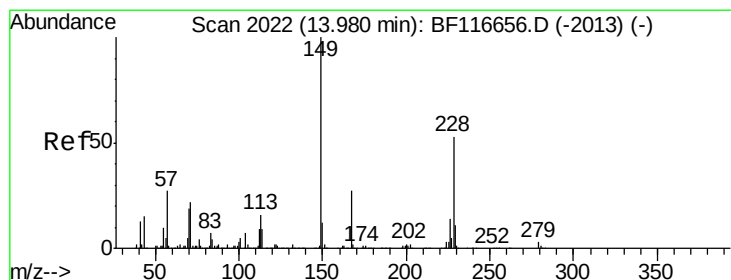
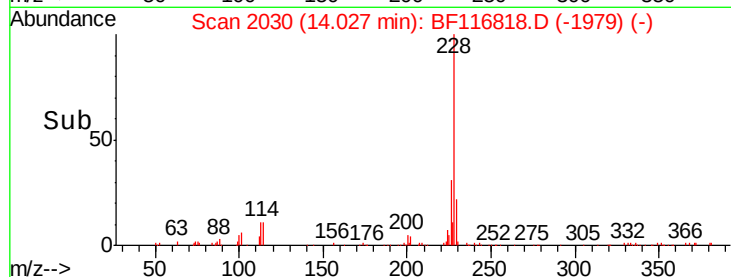
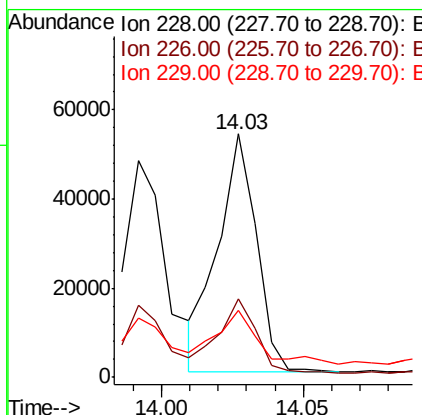
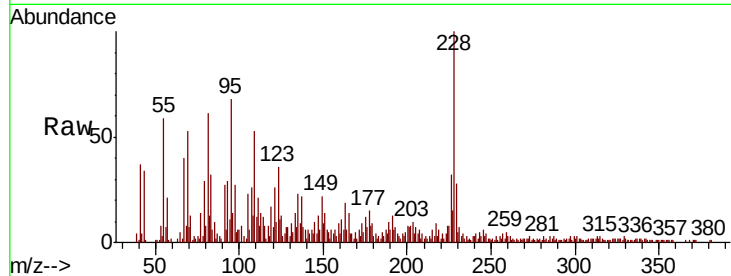




#83
Chrysene
Concen: 5.753 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

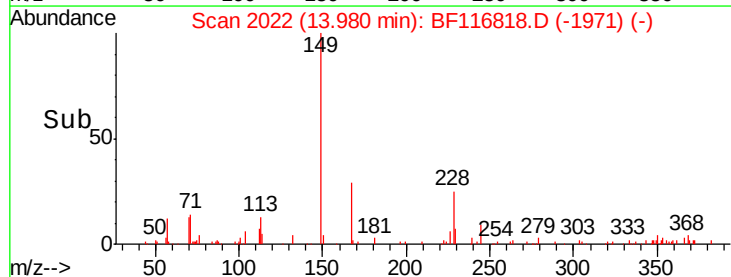
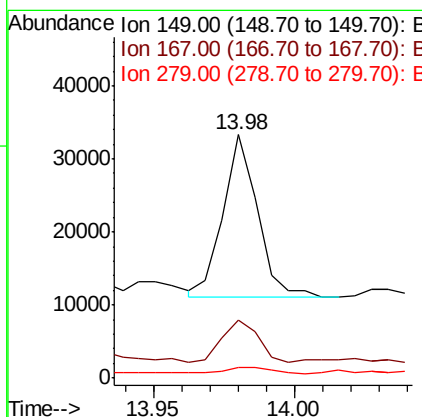
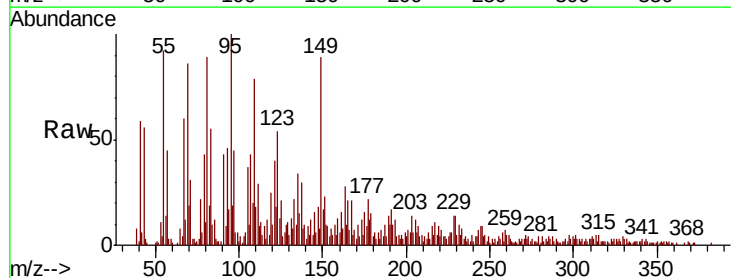
Instrument :
BNA_F
ClientSampleId :

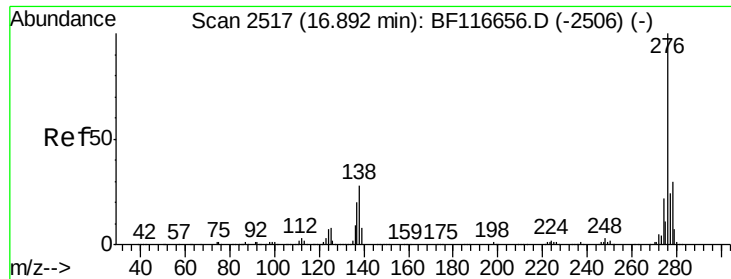
Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	32.1	24.0	36.0	
229	27.7	15.4	23.0	



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.576 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion	Ion	Ratio	Lower	Upper
149	100			
167	23.7	21.0	31.4	
279	4.5	2.8	4.2	

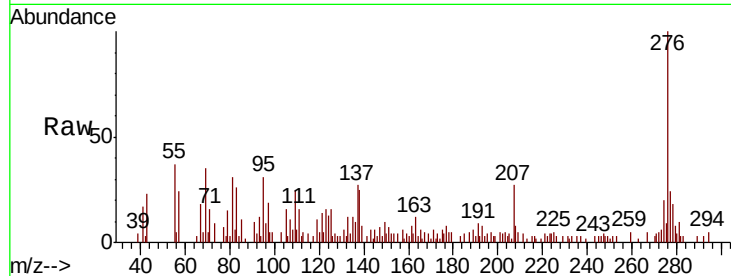




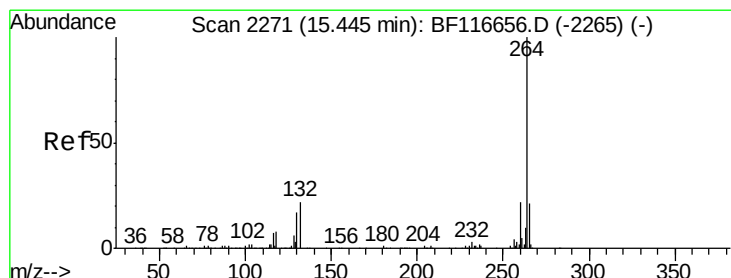
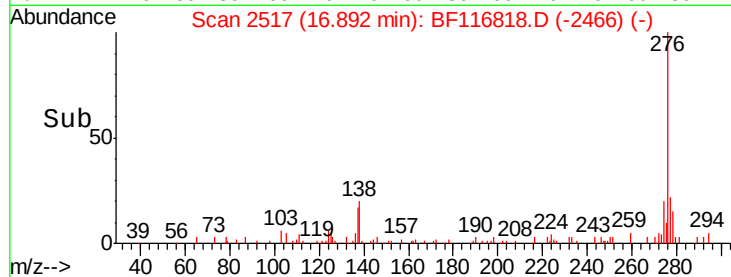
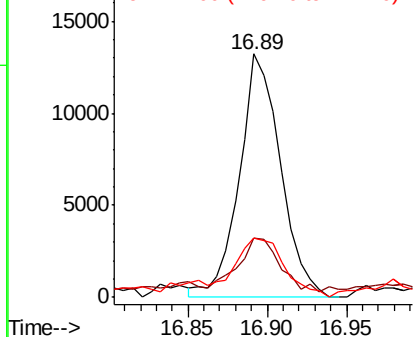
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.319 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. -0.00 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.4	29.2
277	29.7	20.5	30.7

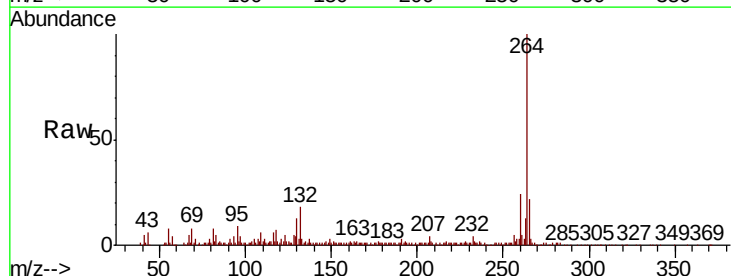


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

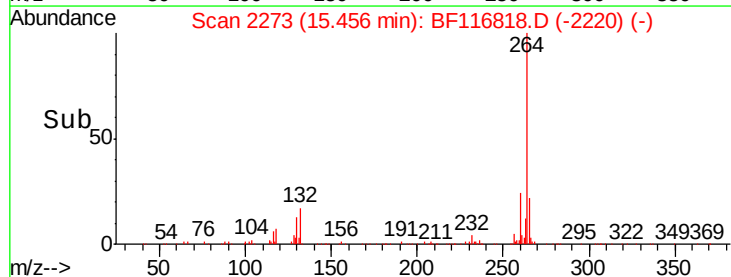
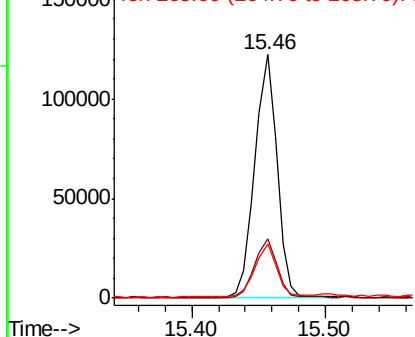


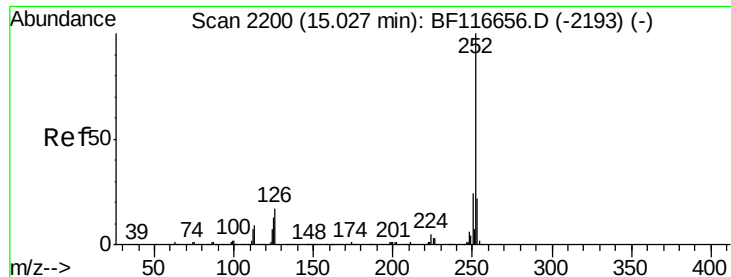
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF116818.D
 Acq: 4 Sep 2019 16:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.3	27.5
265	22.2	16.5	24.7



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

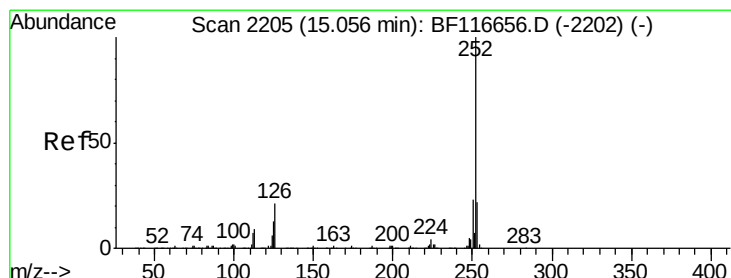
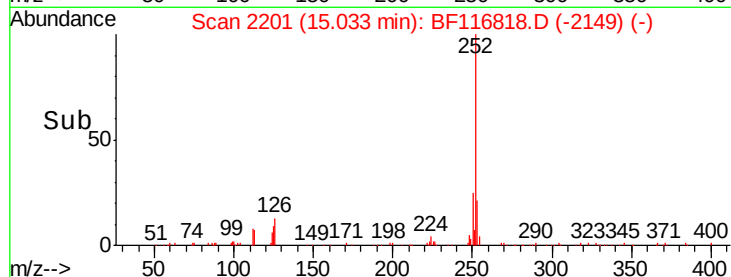
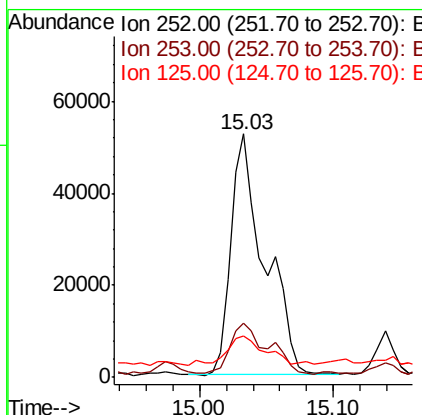
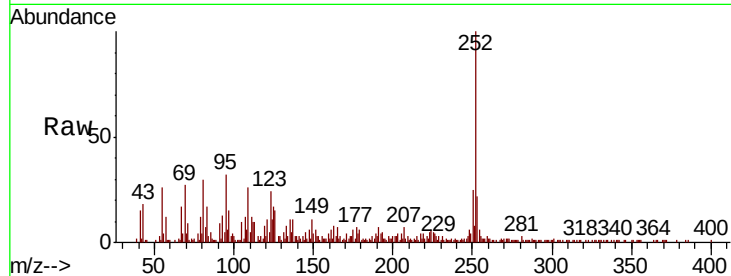




#88
Benzo(b)fluoranthene
Concen: 10.829 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

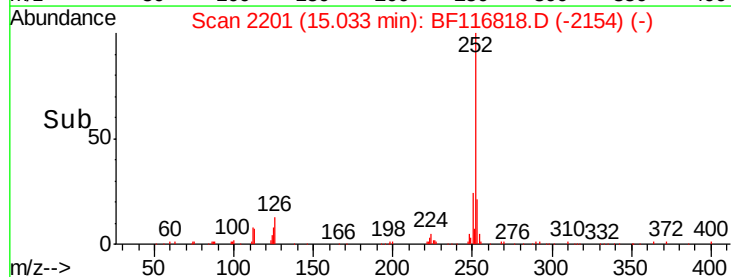
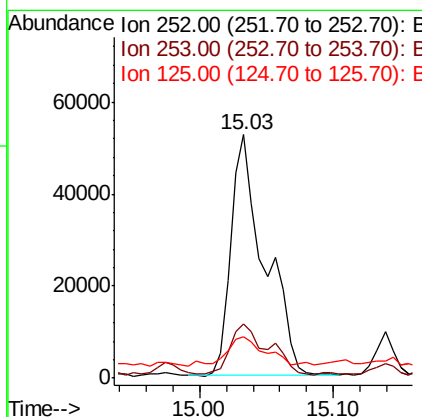
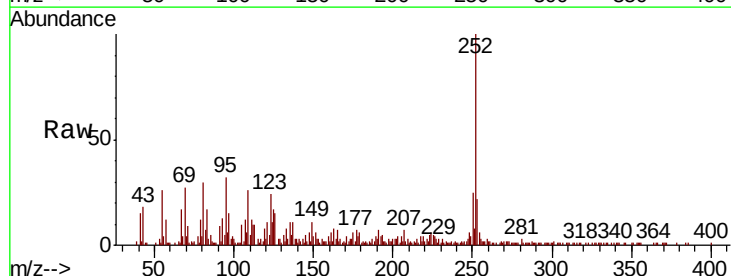
Instrument :
BNA_F
ClientSampleId :

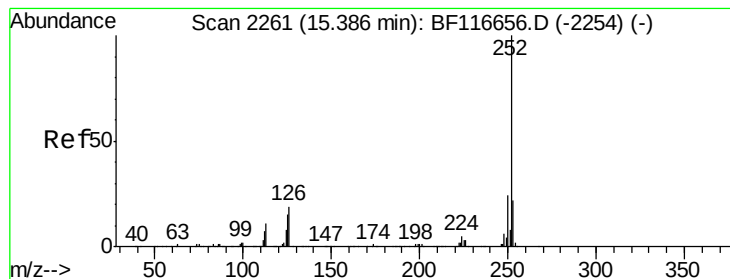
Tot Ion:252 Resp: 92573
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 17.0 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 11.877 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF116818.D
Acq: 4 Sep 2019 16:27

Tgt Ion:252 Resp: 92573
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 17.0 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 5.922 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF116818.D

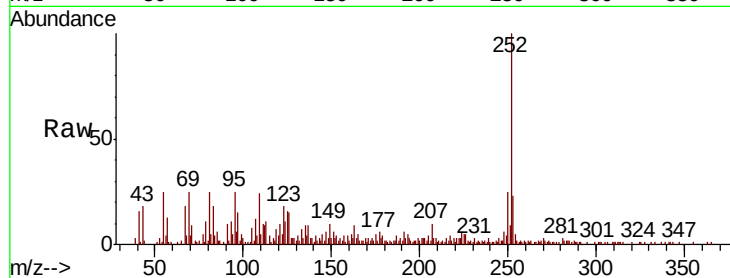
Acq: 4 Sep 2019 16:27

Instrument :

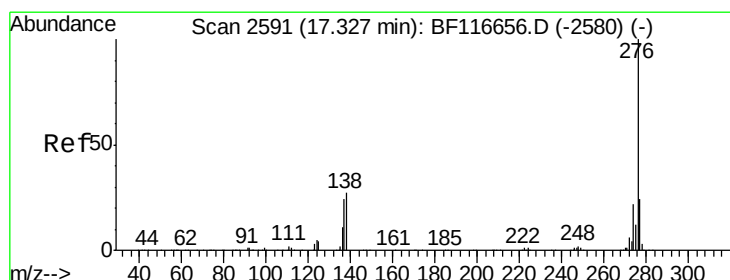
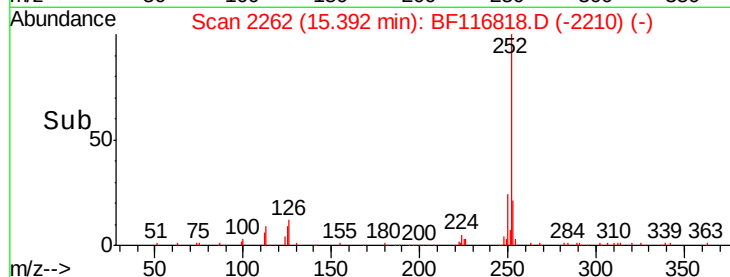
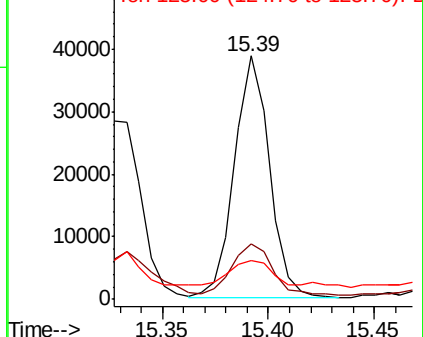
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	44045
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.9	9.8	14.8#



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(g,h,i)perylene

Concen: 3.534 ng

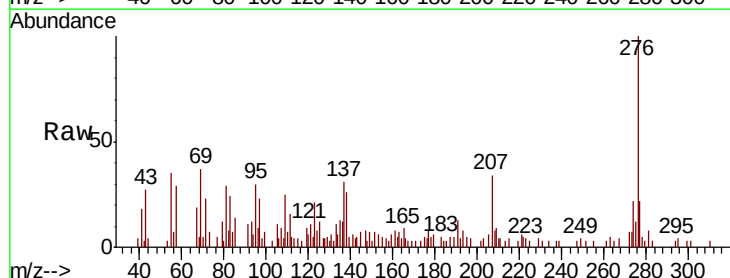
RT: 17.33 min Scan# 2592

Delta R.T. 0.01 min

Lab File: BF116818.D

Acq: 4 Sep 2019 16:27

Tgt Ion:	276	Resp:	23460
Ion	Ratio	Lower	Upper
276	100		
277	21.7	18.5	27.7
138	25.8	16.2	24.2#



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

