

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116536.D
 Acq On : 25 Aug 2019 17:08
 Operator : HP/JU
 Sample : K4475-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:29:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	144704	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	547437	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	261058	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	374528	20.00	ng	0.00
76) Chrysene-d12	14.03	240	211702	20.00	ng	0.00
87) Perylene-d12	15.50	264	223110	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	824186	83.22	ng	0.02
7) Phenol-d6	6.51	99	1099760	90.57	ng	0.00
23) Nitrobenzene-d5	7.44	82	688772	68.83	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	163825	73.08	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1150215	70.95	ng	0.00
79) Terphenyl-d14	12.98	244	788477	69.57	ng	0.00

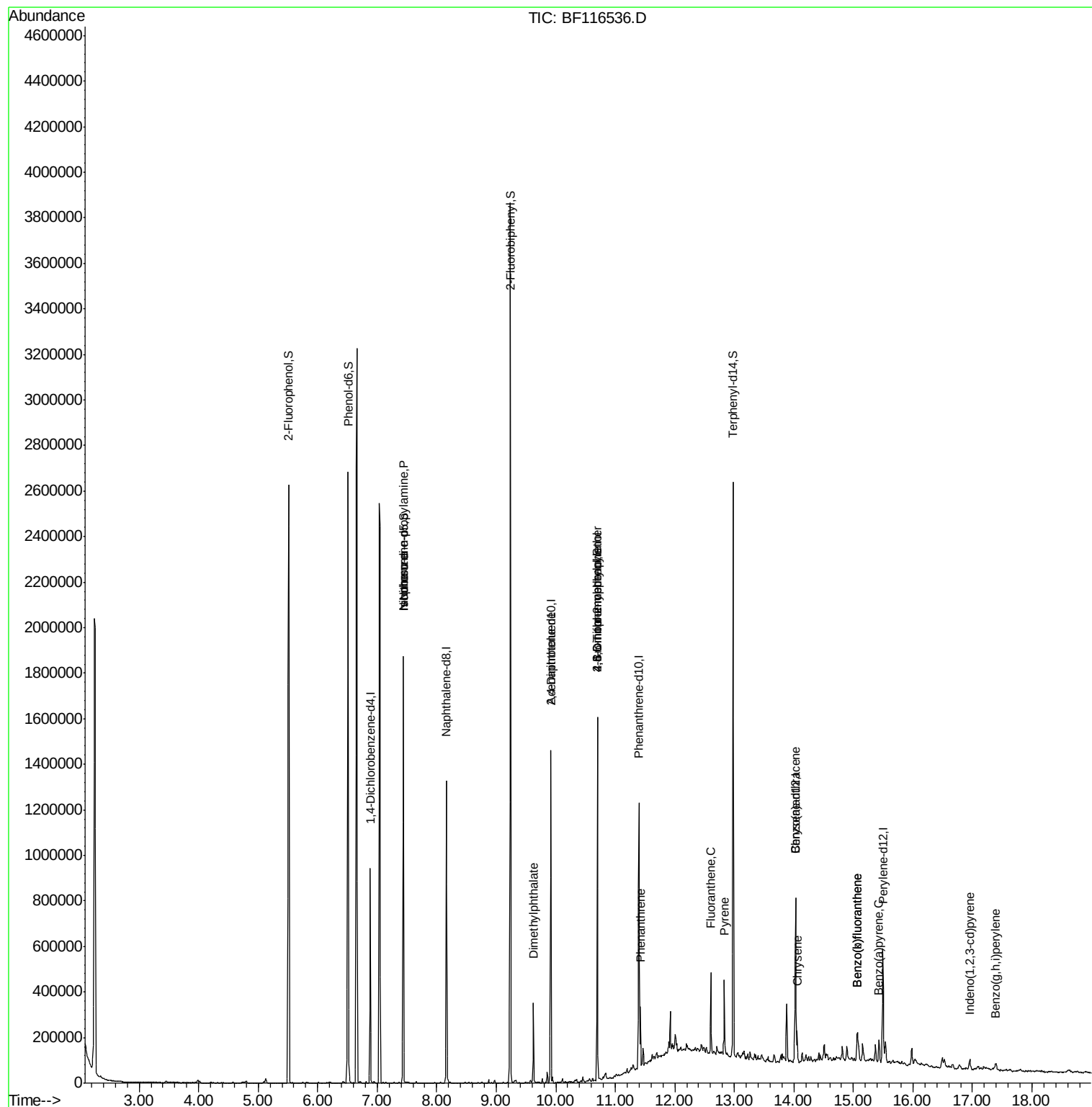
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	92951	11.218	ng	# 77
25) Isophorone	7.44	82	686227	34.801	ng	# 67
50) Dimethylphthalate	9.62	163	135162	7.421	ng	100
57) 2,4-Dinitrotoluene	9.92	165	33673	7.098	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	323	7.185	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	10648	2.712	ng	# 1
71) Phenanthrene	11.42	178	90807	4.451	ng	97
75) Fluoranthene	12.61	202	138788	6.580	ng	98
78) Pyrene	12.83	202	124002	7.324	ng	100
81) Benzo(a)anthracene	14.02	228	55997	4.084	ng	95
83) Chrysene	14.06	228	53446	3.846	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	27394	2.301	ng	94
88) Benzo(b)fluoranthene	15.07	252	90077	6.536	ng	98
89) Benzo(k)fluoranthene	15.07	252	90077	7.214	ng	97
90) Benzo(a)pyrene	15.43	252	45254	3.715	ng	98
92) Benzo(g,h,i)perylene	17.39	276	25096	2.630	ng	99

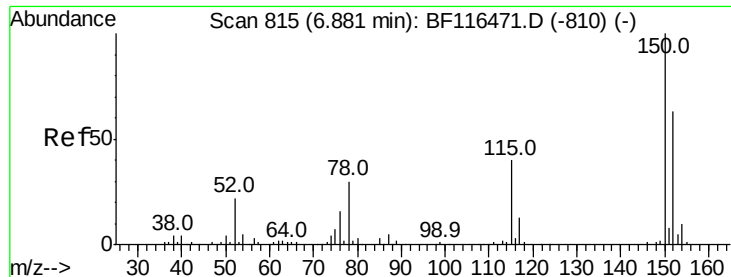
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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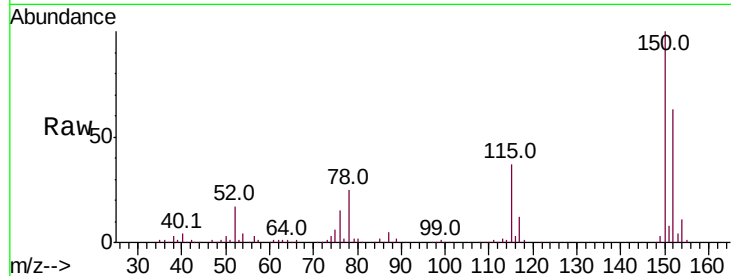


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.7	190.1
115	59.0	50.9	76.3

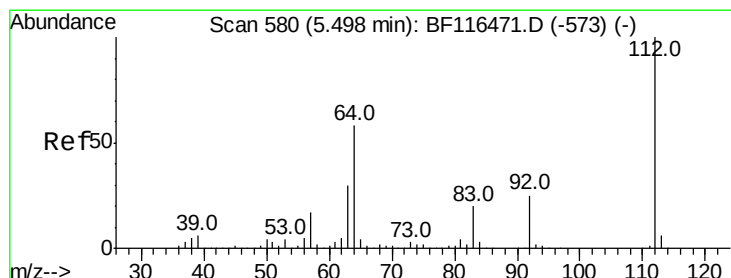
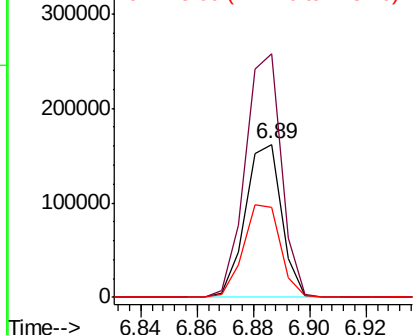
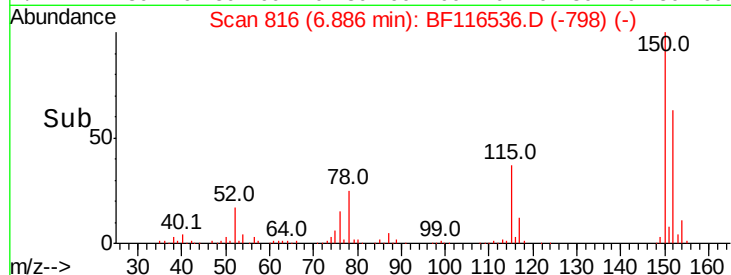


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

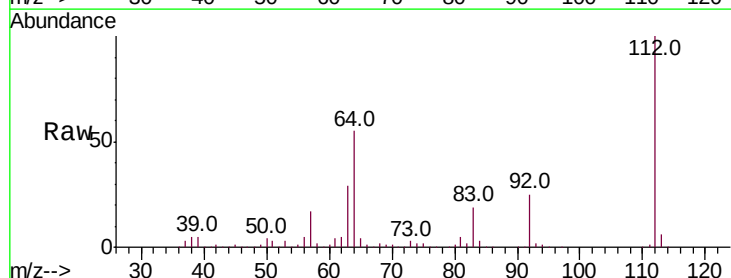
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.222 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.3	69.5
63	28.8	24.2	36.4

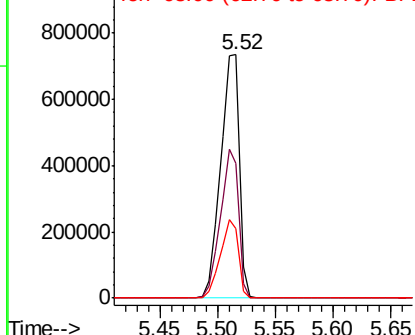
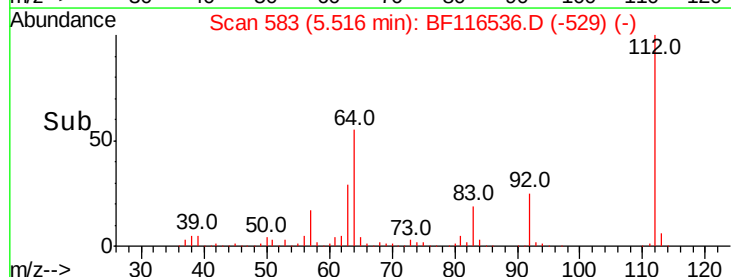


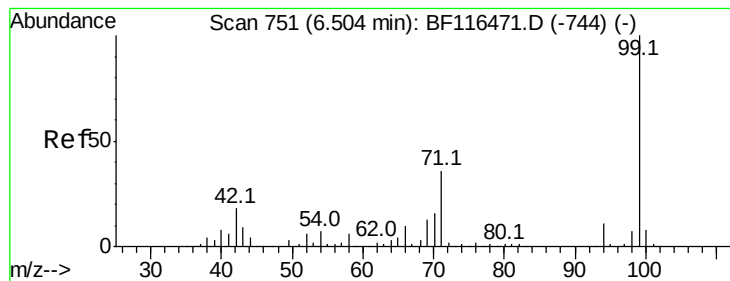
Abundance

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: 90.567 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

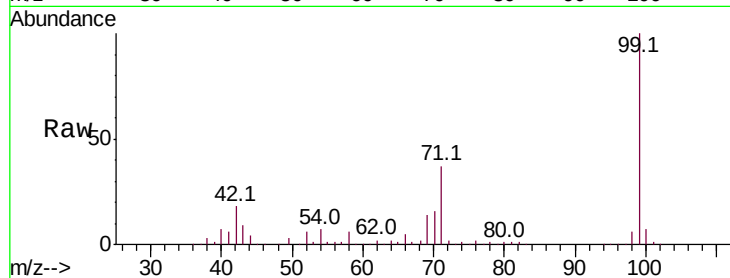
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1099760

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.6	21.8
71	36.9	28.5	42.7

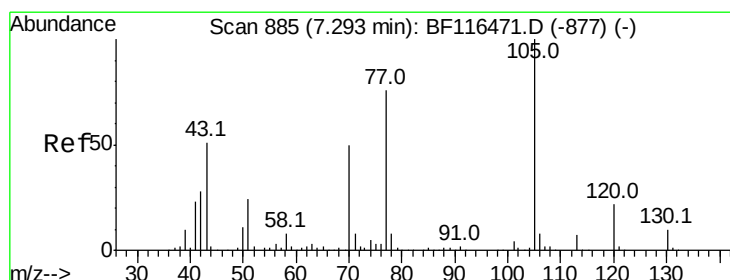
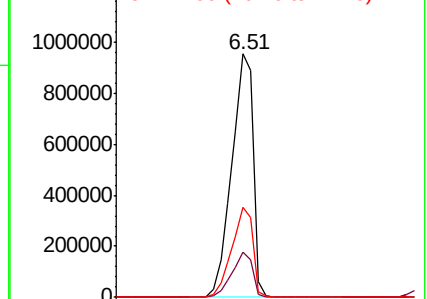
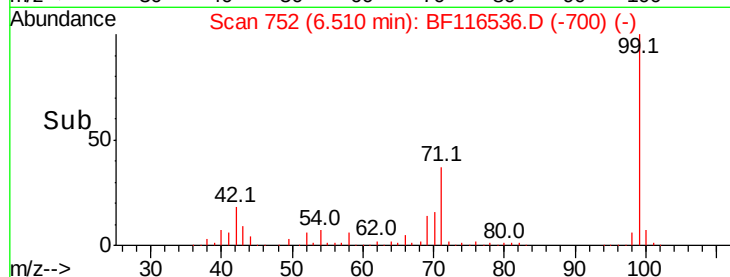


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 11.218 ng

RT: 7.44 min Scan# 910

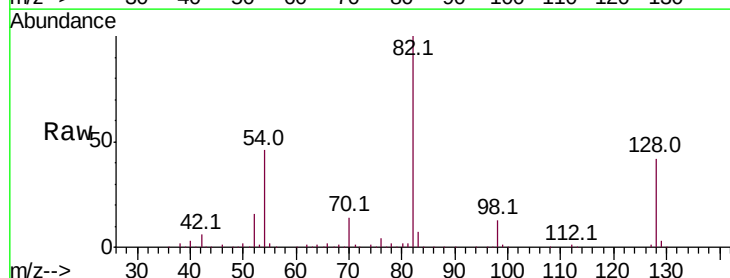
Delta R.T. 0.15 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Tgt Ion: 70 Resp: 92951

Ion	Ratio	Lower	Upper
70	100		
42	43.6	44.4	66.6#
101	0.0	7.1	10.7#
130	2.1	15.8	23.8#



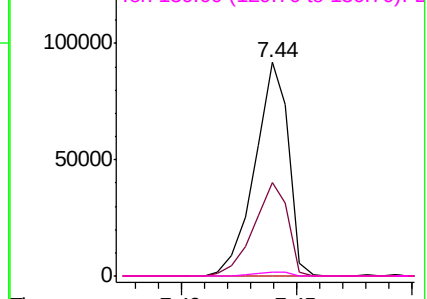
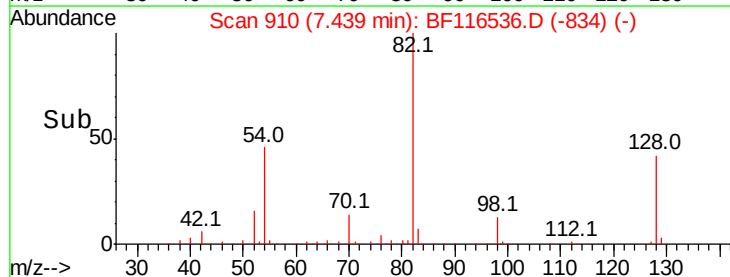
Abundance

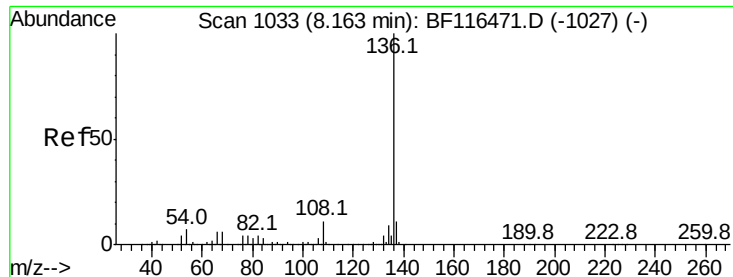
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 547437

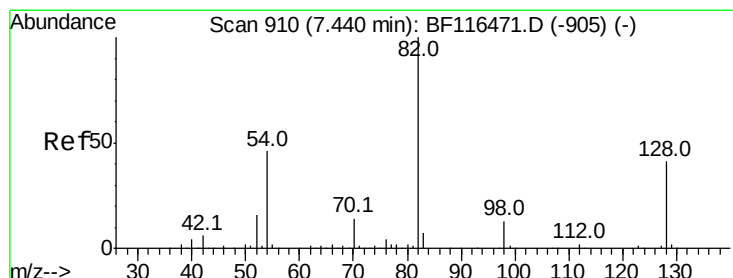
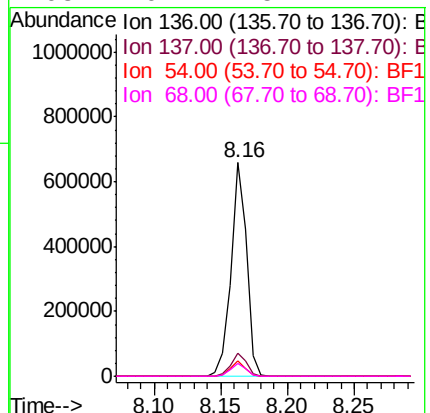
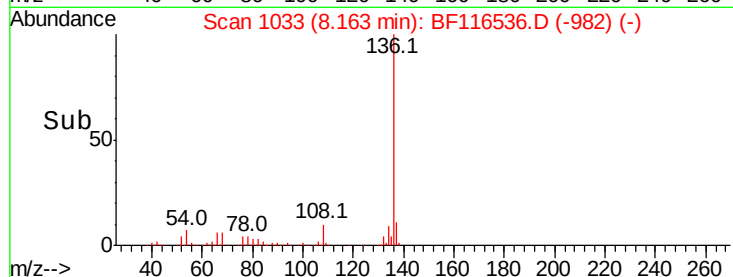
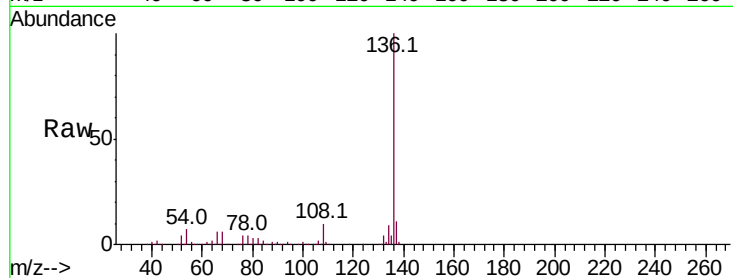
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.9 5.8 8.6

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 68.835 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

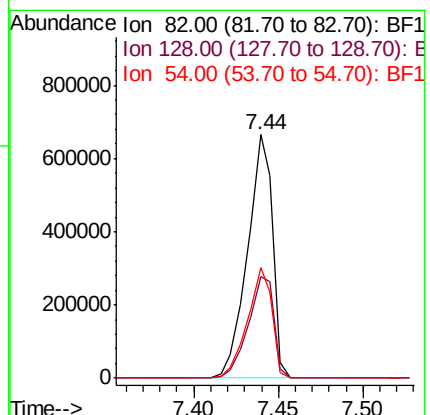
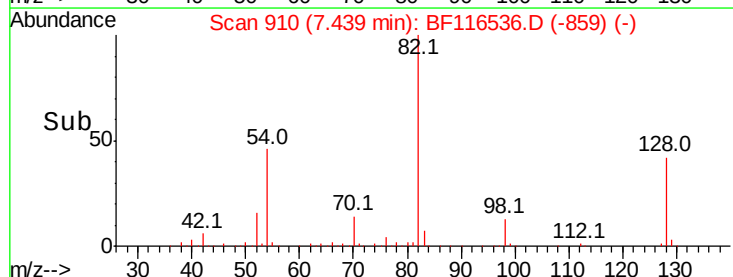
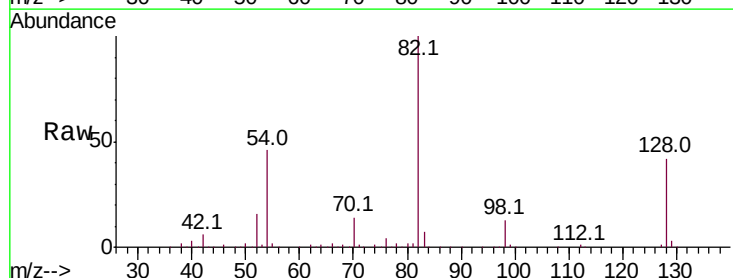
Tgt Ion: 82 Resp: 688772

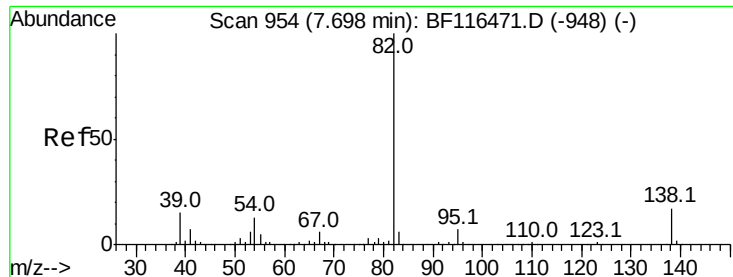
Ion Ratio Lower Upper

82 100

128 41.9 32.2 48.4

54 45.6 36.5 54.7





#25

Isophorone

Concen: 34.801 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampled :

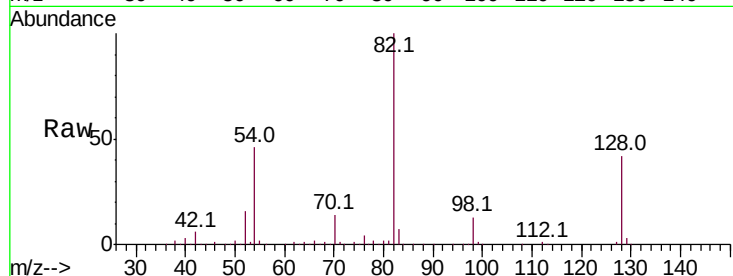
Tot Ion: 82 Resp: 686227

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

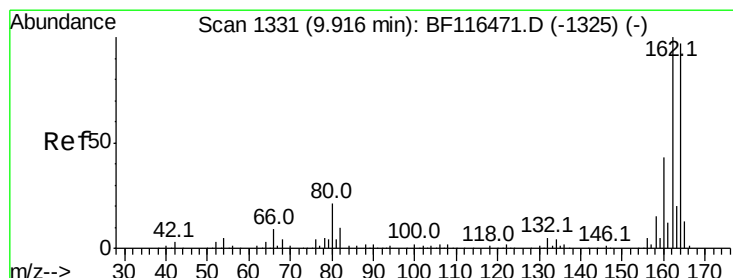
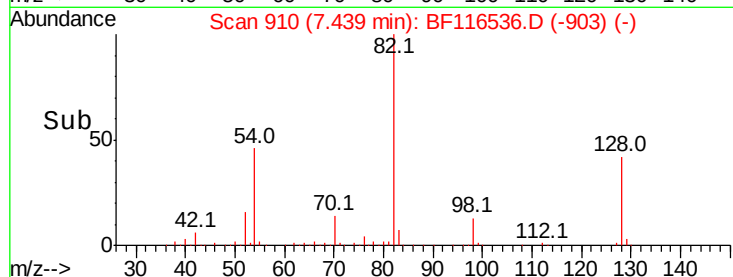
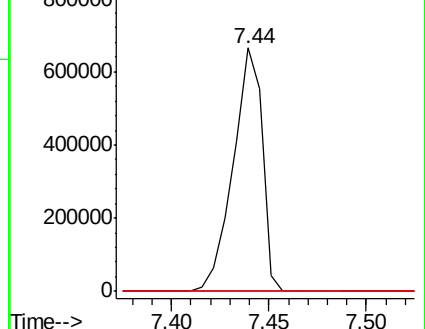
138 0.0 13.3 19.9#



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: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

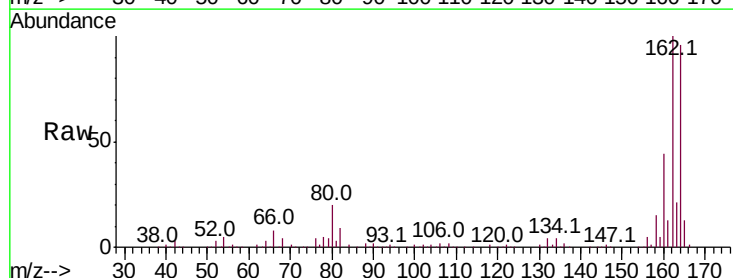
Tgt Ion:164 Resp: 261058

Ion Ratio Lower Upper

164 100

162 104.1 82.6 123.8

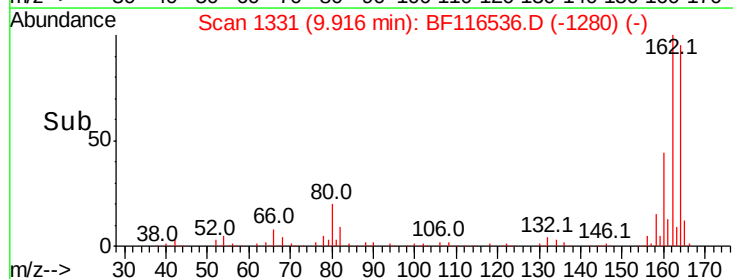
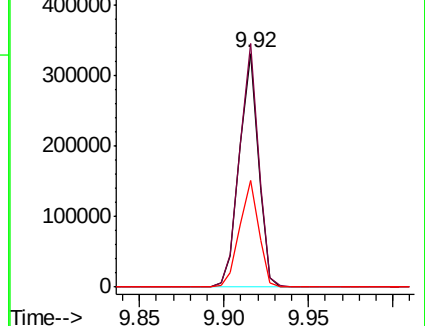
160 45.3 35.8 53.8

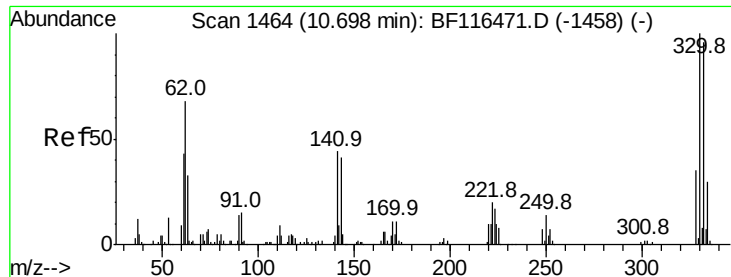


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 73.083 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116536.D

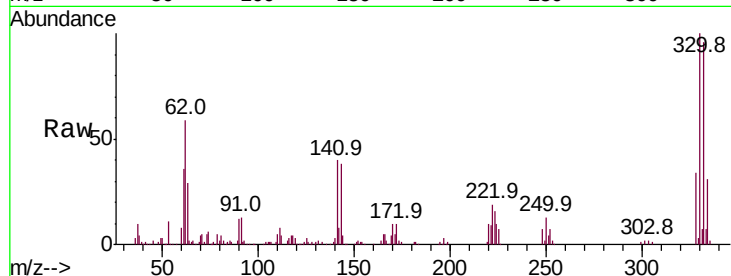
Acq: 25 Aug 2019 17:08

Instrument :

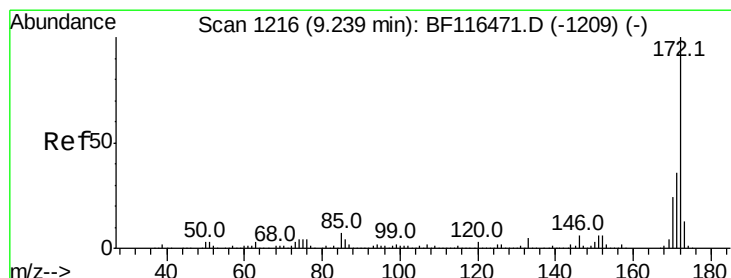
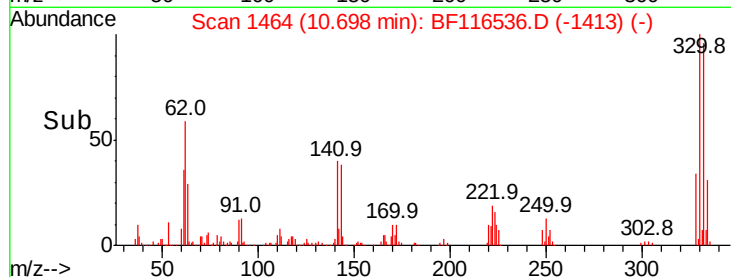
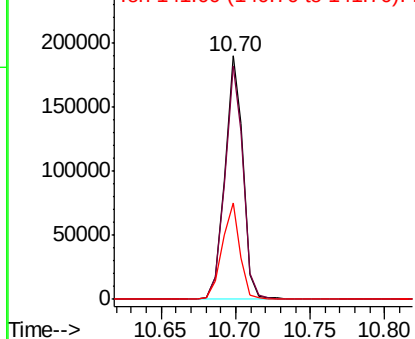
BNA_F

ClientSampled :

Tot Ion:	330	Resp:	163825
Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	38.5	33.3	49.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 70.954 ng

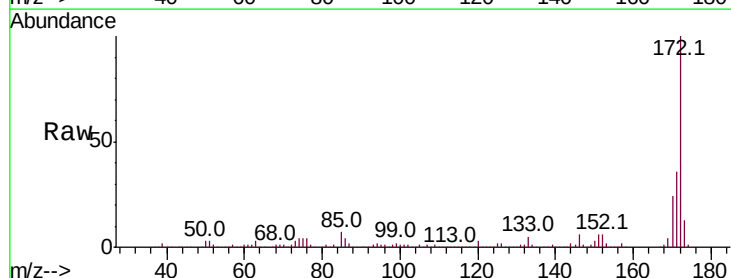
RT: 9.24 min Scan# 1216

Delta R.T. -0.00 min

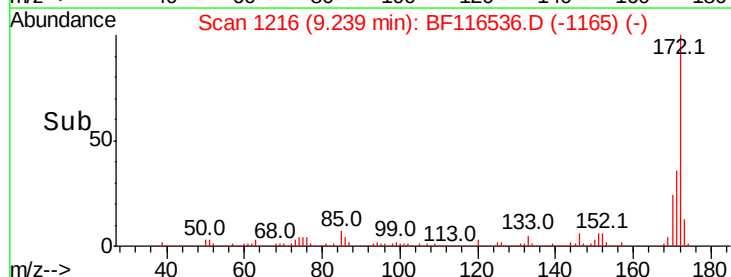
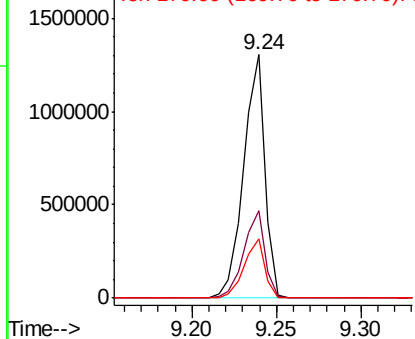
Lab File: BF116536.D

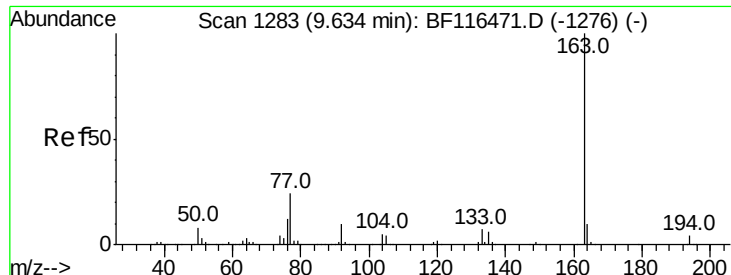
Acq: 25 Aug 2019 17:08

Tgt Ion:	172	Resp:	1150215
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.2	19.4	29.0



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

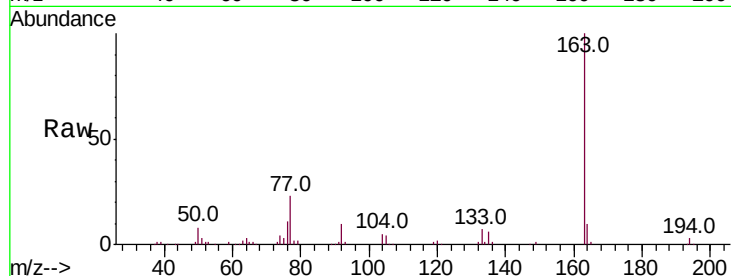




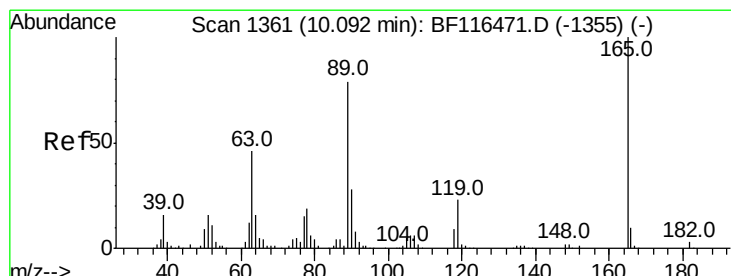
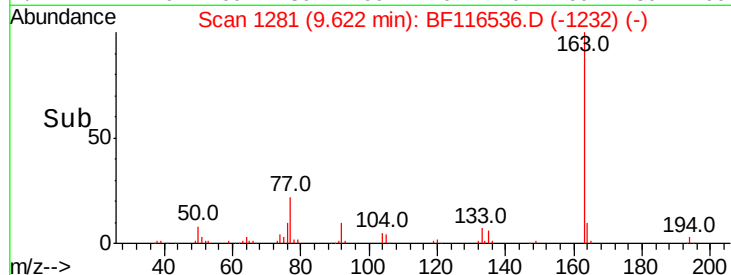
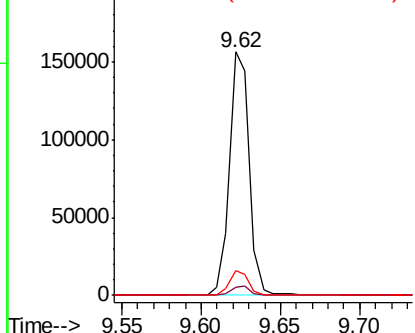
#50
Dimethylphthalate
Concen: 7.421 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.2	8.2	12.2

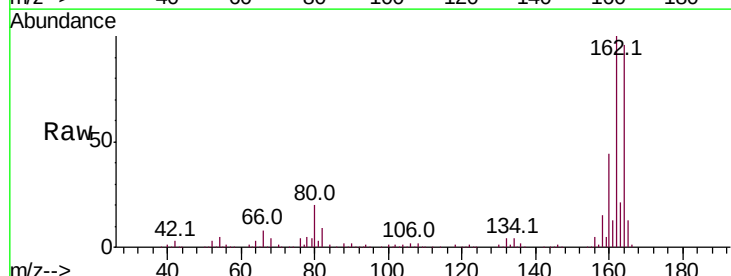


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

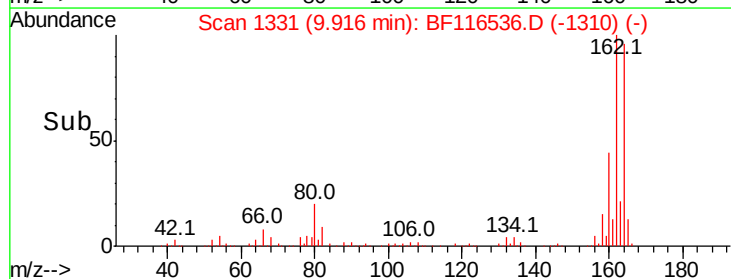
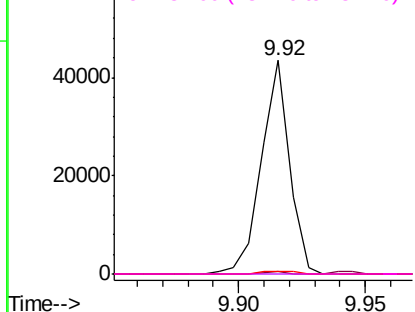


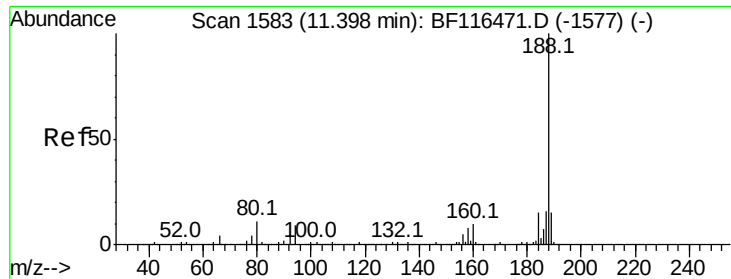
#57
2,4-Dinitrotoluene
Concen: 7.098 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.9	55.3#
89	1.4	63.4	95.0#
182	0.0	2.1	3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampleId :

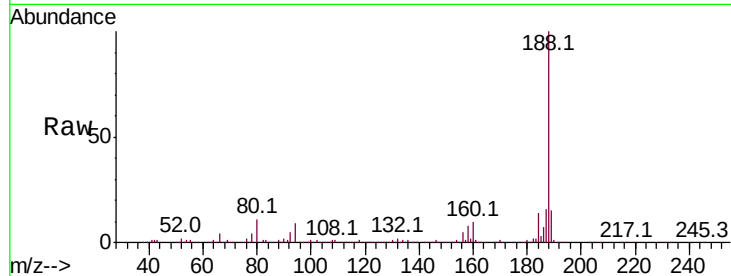
Tot Ion:188 Resp: 374528

Ion Ratio Lower Upper

188 100

94 9.4 7.4 11.2

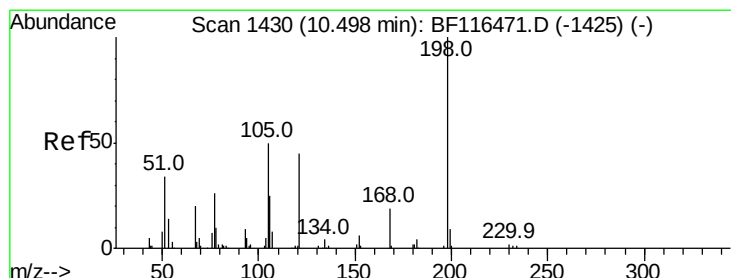
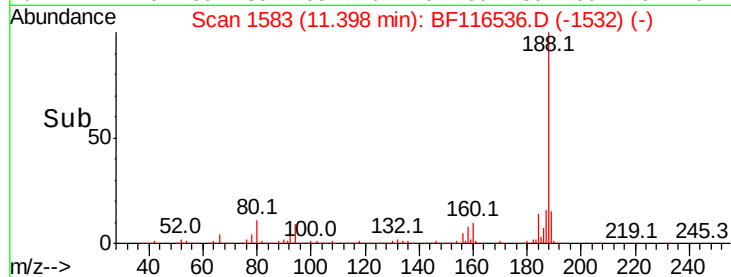
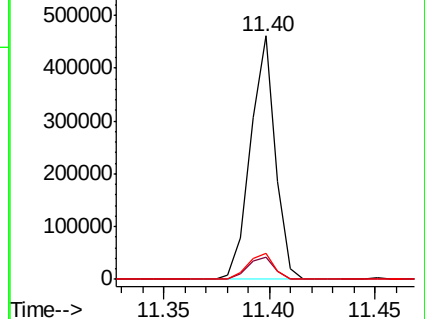
80 10.5 8.6 12.8



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: 7.185 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.20 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

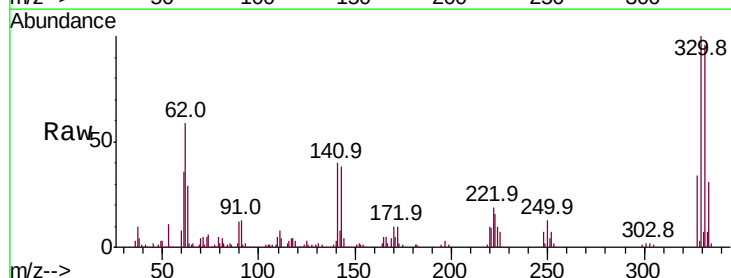
Tgt Ion:198 Resp: 323

Ion Ratio Lower Upper

198 100

51 153.3 30.4 70.4#

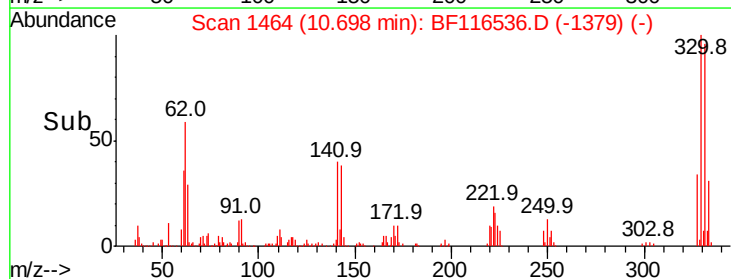
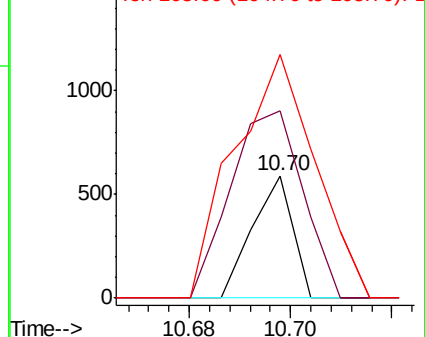
105 199.3 32.8 72.8#

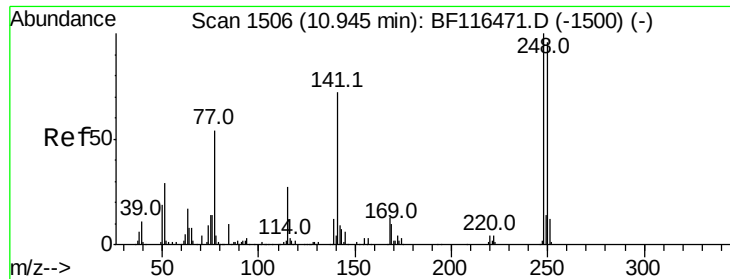


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

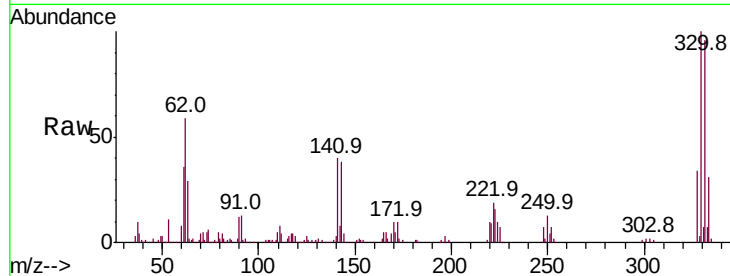




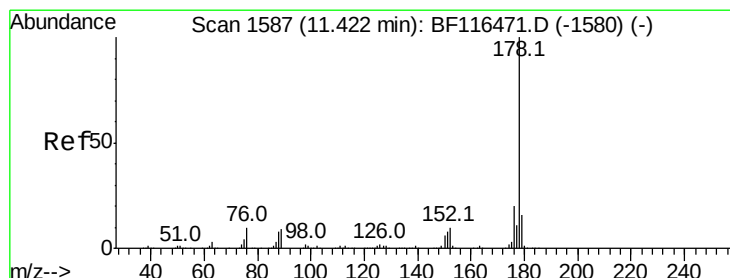
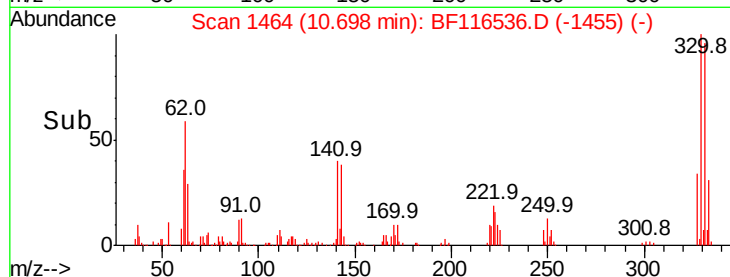
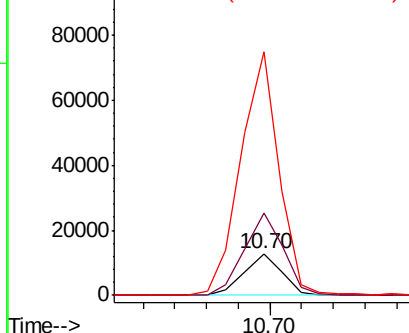
#67
 4-Bromophenyl-phenylether
 Concen: 2.712 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10648
 Ion Ratio Lower Upper
 248 100
 250 196.7 77.0 115.6#
 141 580.1 57.4 86.0#

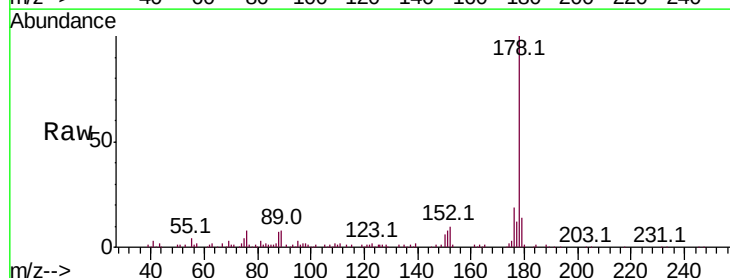


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

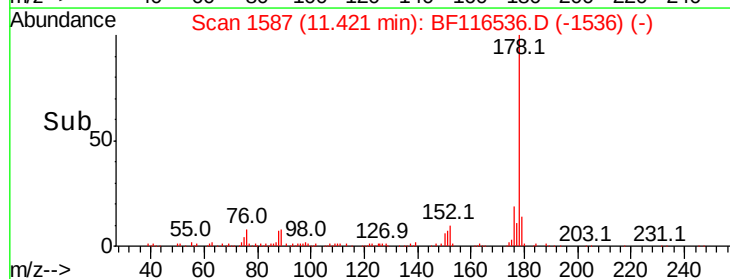
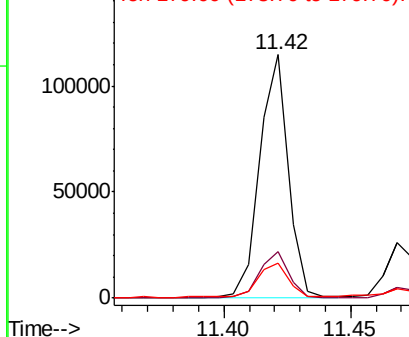


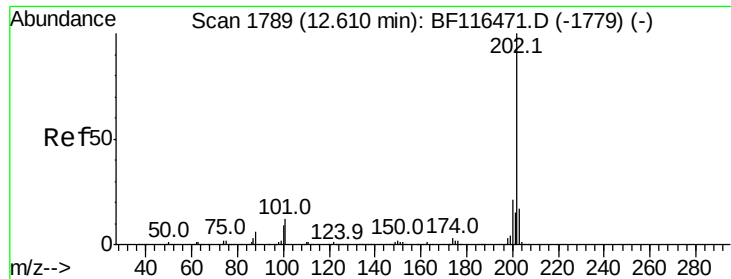
#71
 Phenanthrene
 Concen: 4.451 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Tgt Ion:178 Resp: 90807
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.6
 179 14.4 12.8 19.2



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: 6.580 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampleId :

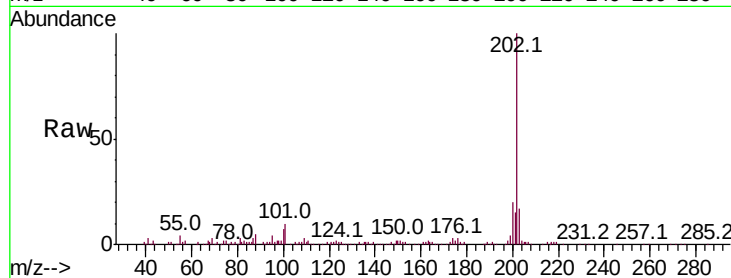
Tot Ion:202 Resp: 138788

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.5

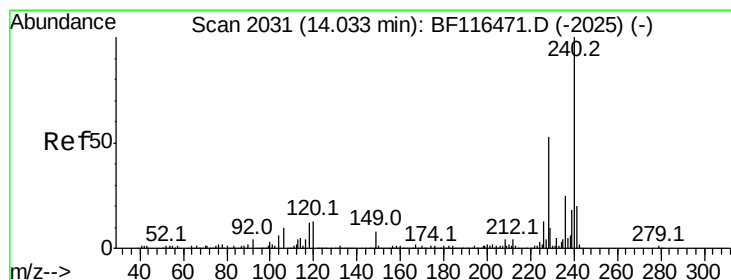
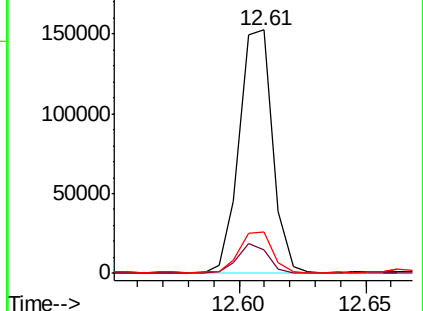
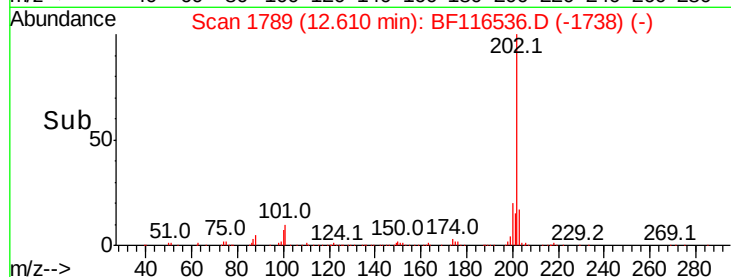
203 17.1 0.0 37.5



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: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

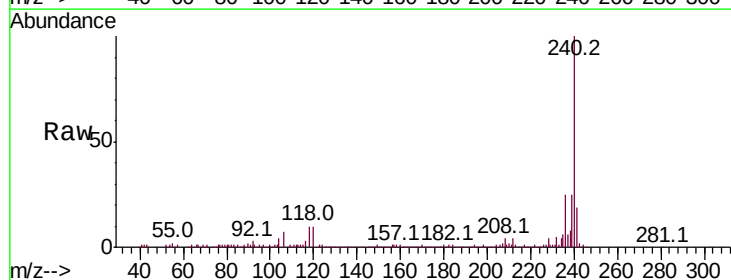
Tgt Ion:240 Resp: 211702

Ion Ratio Lower Upper

240 100

120 10.0 10.5 15.7#

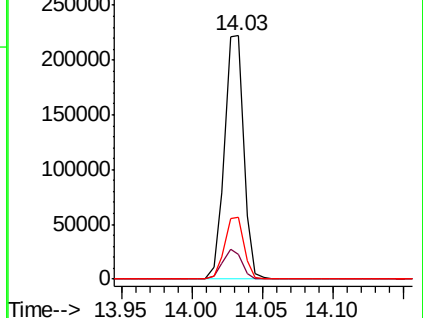
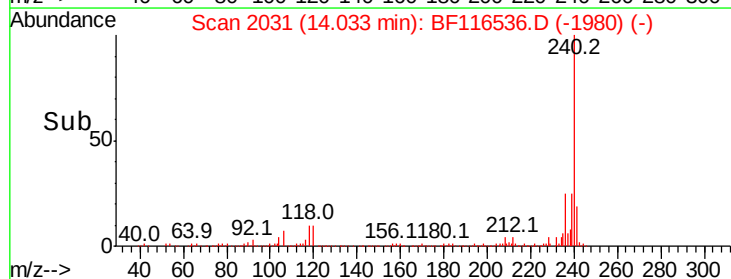
236 25.5 20.2 30.2

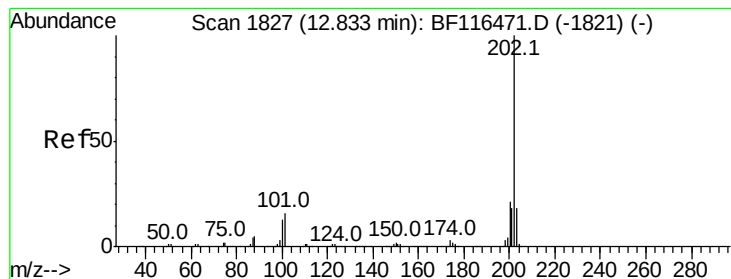


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.324 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampleId :

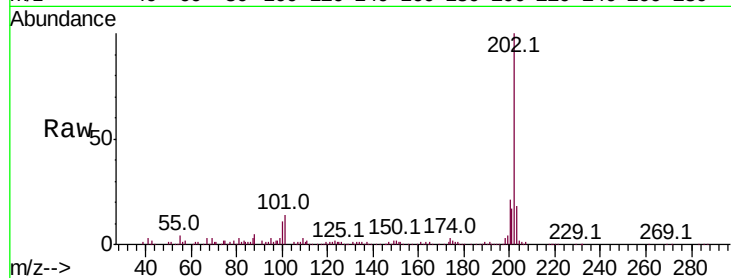
Tot Ion:202 Resp: 124002

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

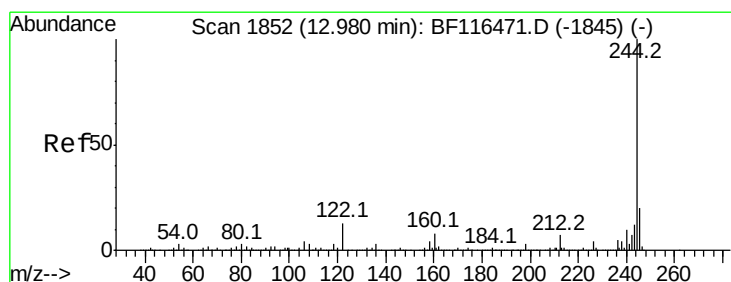
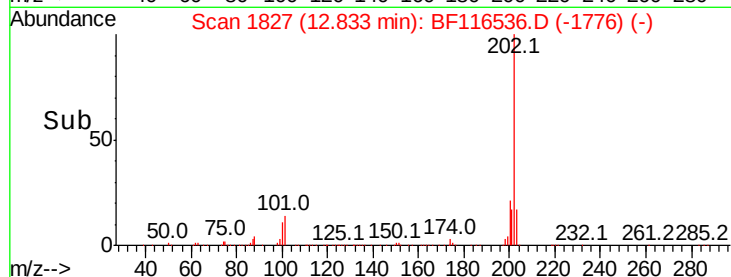
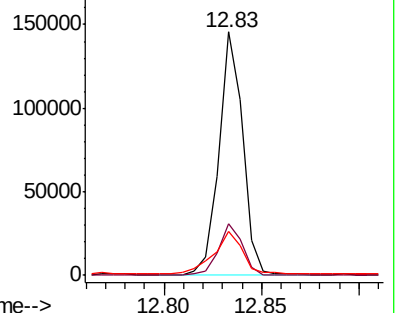
203 17.9 14.2 21.4



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: 69.569 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

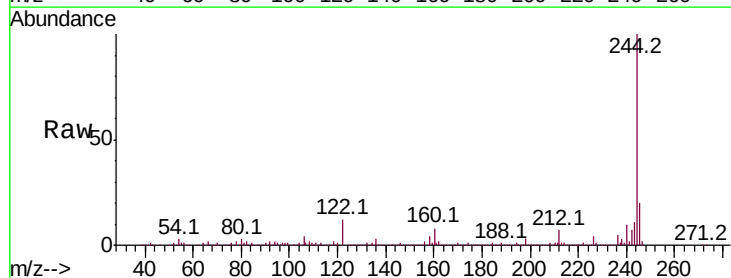
Tgt Ion:244 Resp: 788477

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

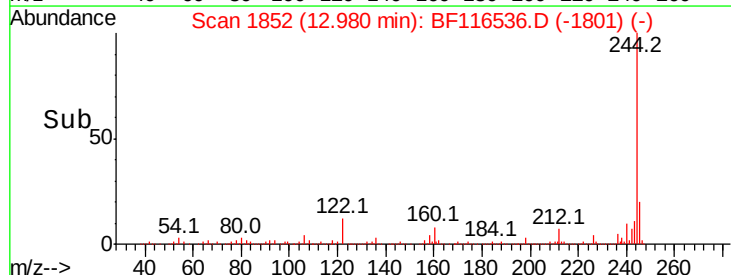
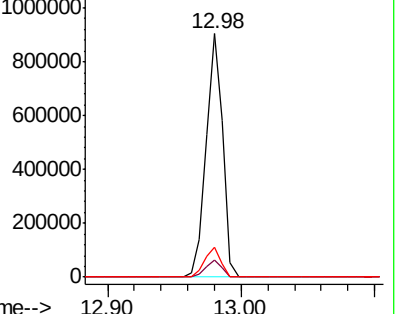
122 12.1 10.2 15.4

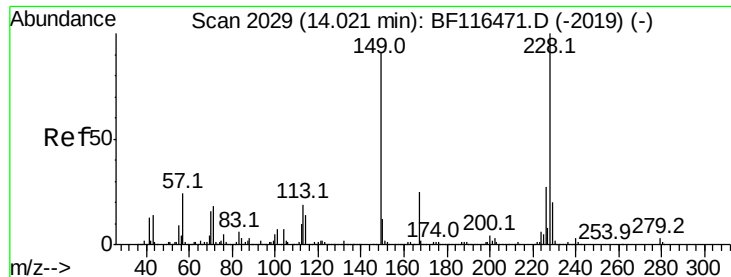


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.084 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116536.D

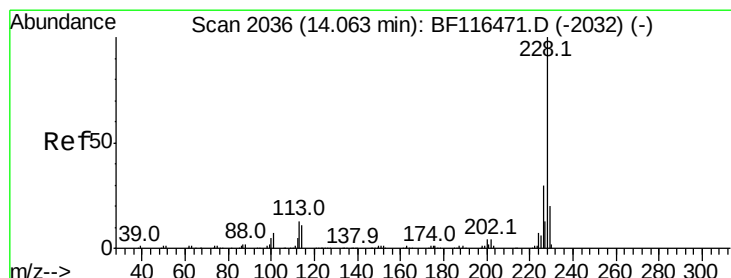
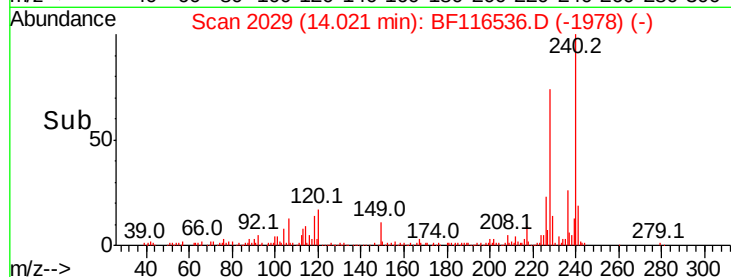
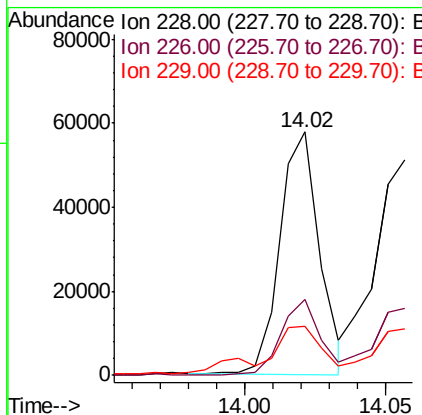
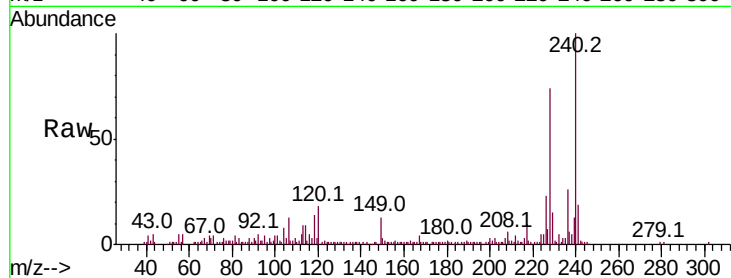
Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	228	Resp:	55997
Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.8	32.6
229	20.2	15.9	23.9



#83

Chrysene

Concen: 3.846 ng

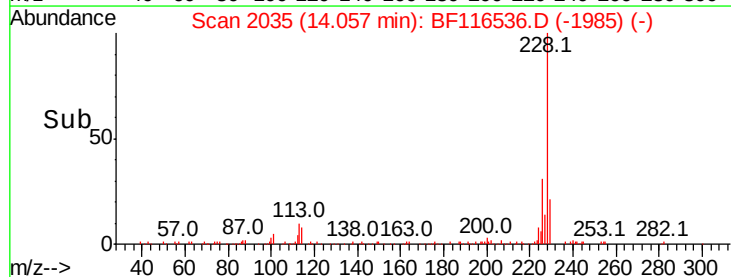
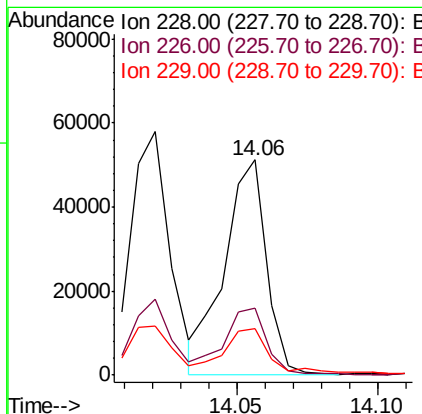
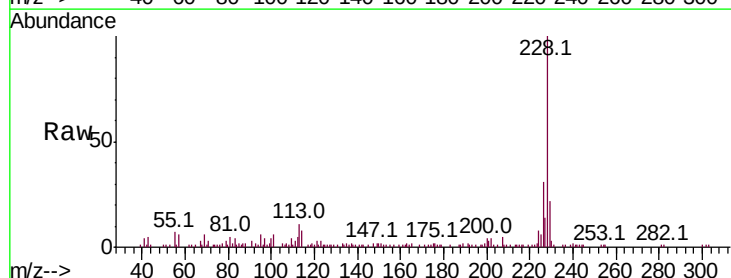
RT: 14.06 min Scan# 2035

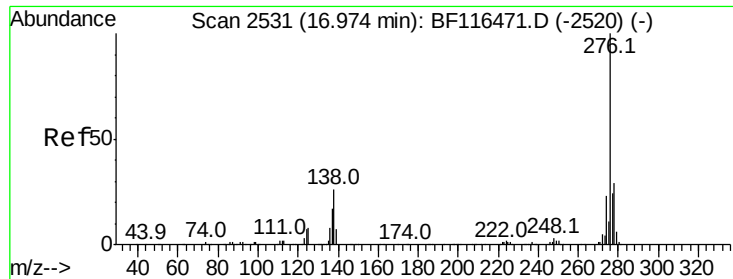
Delta R.T. -0.01 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Tgt Ion:	228	Resp:	53446
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	21.9	15.8	23.6

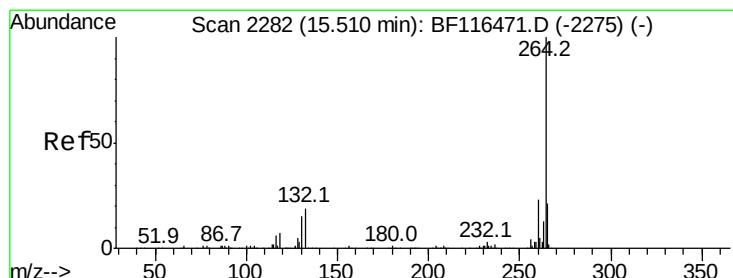
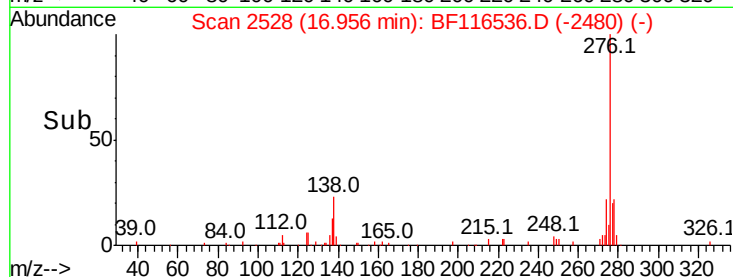
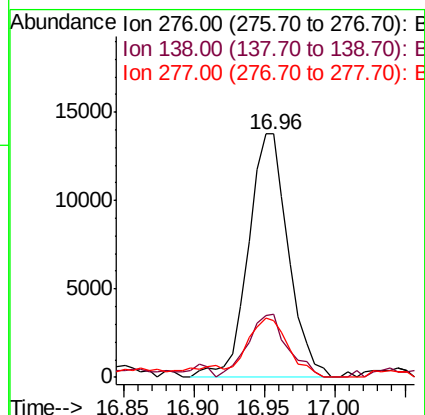
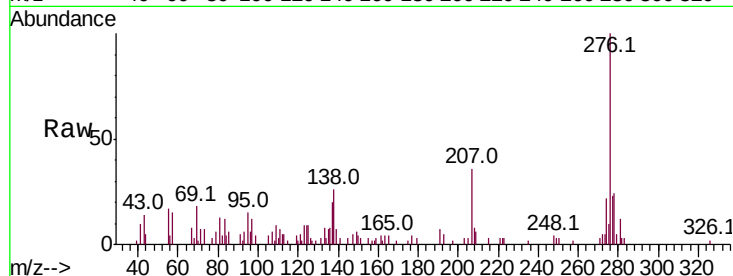




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.301 ng
 RT: 16.96 min Scan# 2528
 Delta R.T. -0.02 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

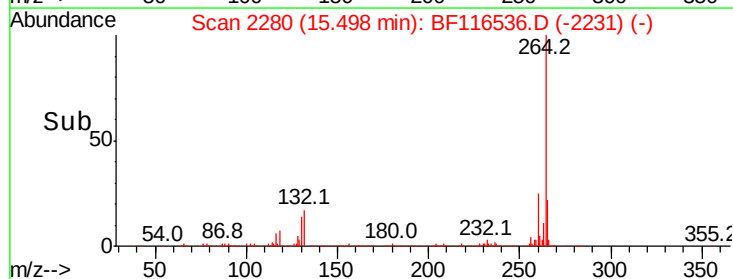
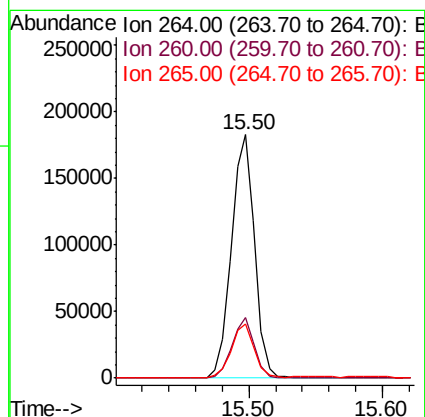
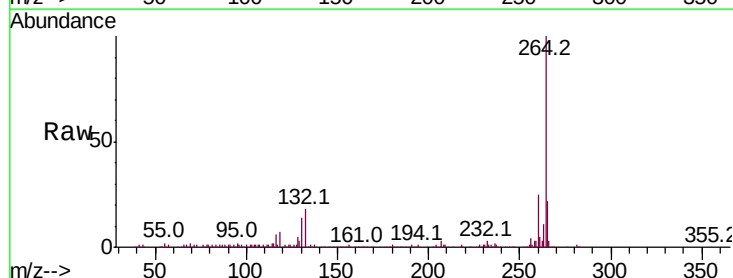
Instrument :
 BNA_F
 ClientSampleId :

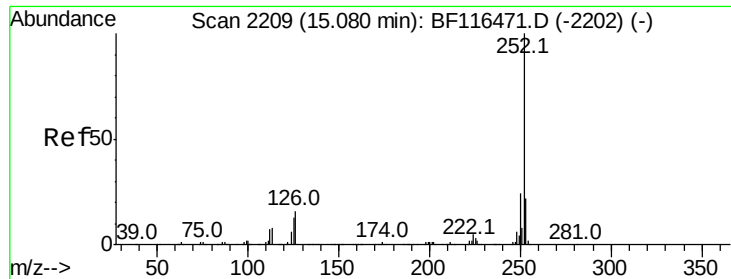
Tot Ion:	276	Resp:	27394
Ion	Ratio	Lower	Upper
276	100		
138	26.0	22.9	34.3
277	28.7	19.9	29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. -0.01 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Tgt Ion:	264	Resp:	223110
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	22.4	17.1	25.7

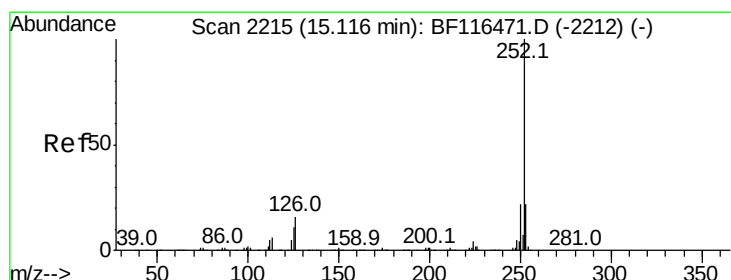
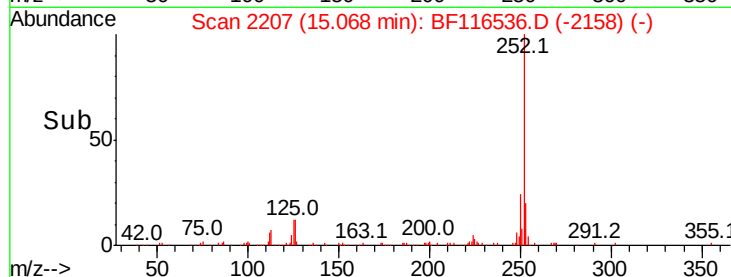
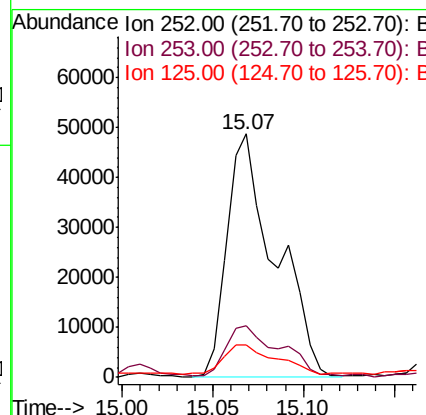
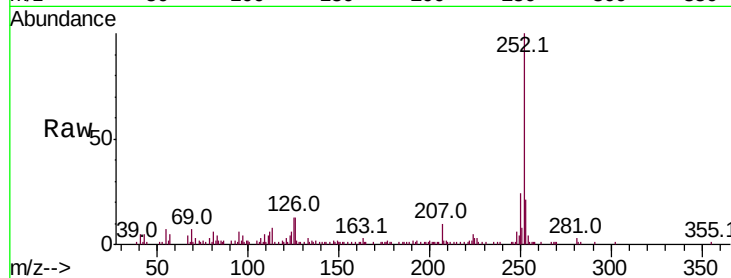




#88
Benzo(b)fluoranthene
Concen: 6.536 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

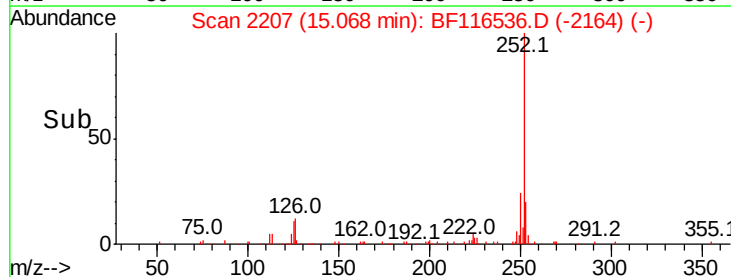
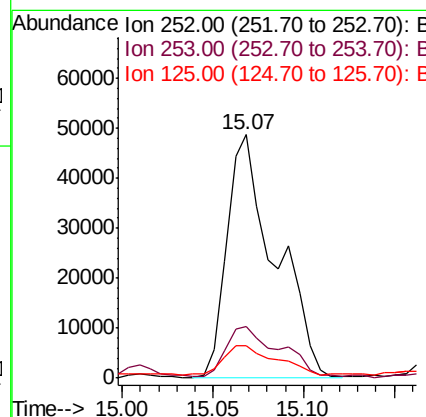
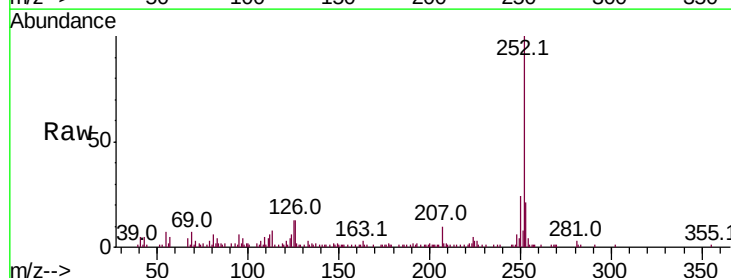
Instrument :
BNA_F
ClientSampleId :

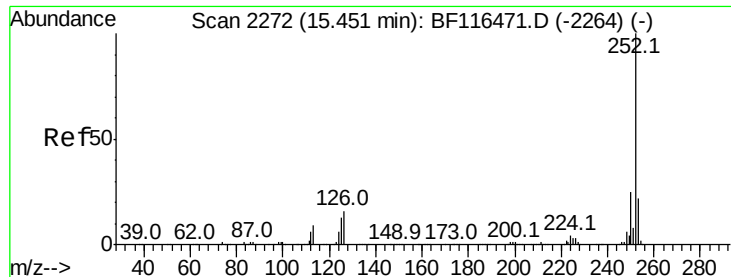
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	13.5	10.1	15.1



#89
Benzo(k)fluoranthene
Concen: 7.214 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	13.5	9.1	13.7

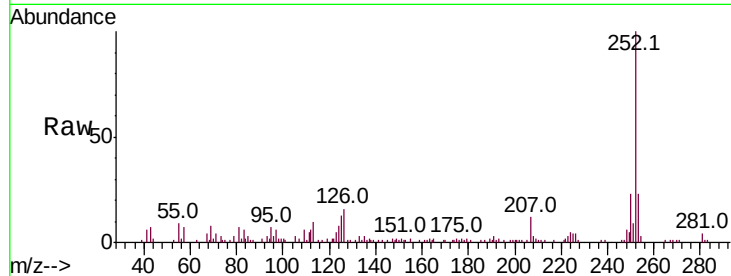




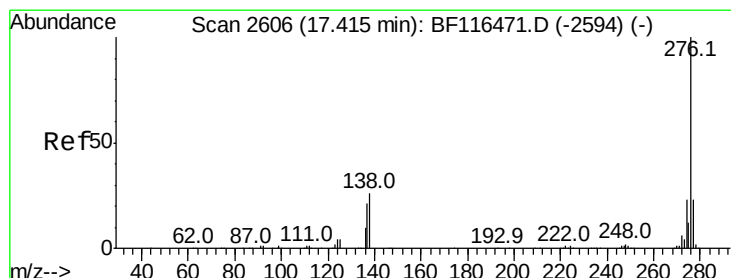
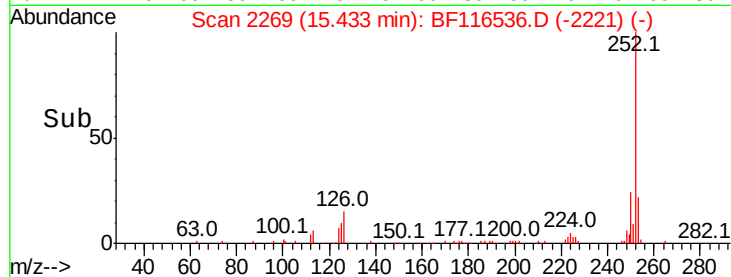
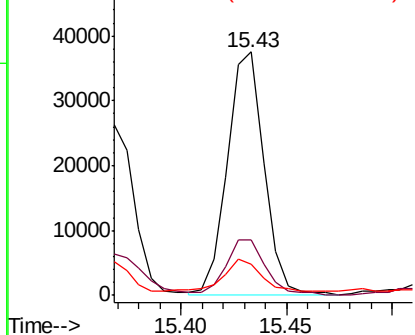
#90
Benzo(a)pyrene
Concen: 3.715 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.2	25.8
125	13.0	10.2	15.4

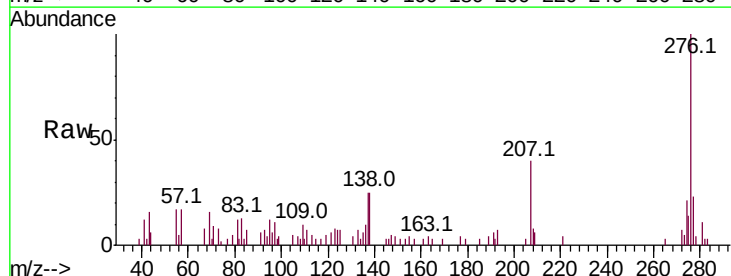


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.630 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	24.9	20.8	31.2



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

