

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116563.D
 Acq On : 26 Aug 2019 8:10
 Operator : HP/JU
 Sample : K4450-10
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 08:43:28 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	131477	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	482151	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	214096	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	299801	20.00	ng	0.00
76) Chrysene-d12	14.03	240	207490	20.00	ng	0.00
87) Perylene-d12	15.50	264	175837	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	713784	79.33	ng	0.01
7) Phenol-d6	6.51	99	963153	87.30	ng	0.00
23) Nitrobenzene-d5	7.44	82	556761	63.18	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	137682	74.89	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1079776	81.22	ng	0.00
79) Terphenyl-d14	12.98	244	806590	72.61	ng	0.00

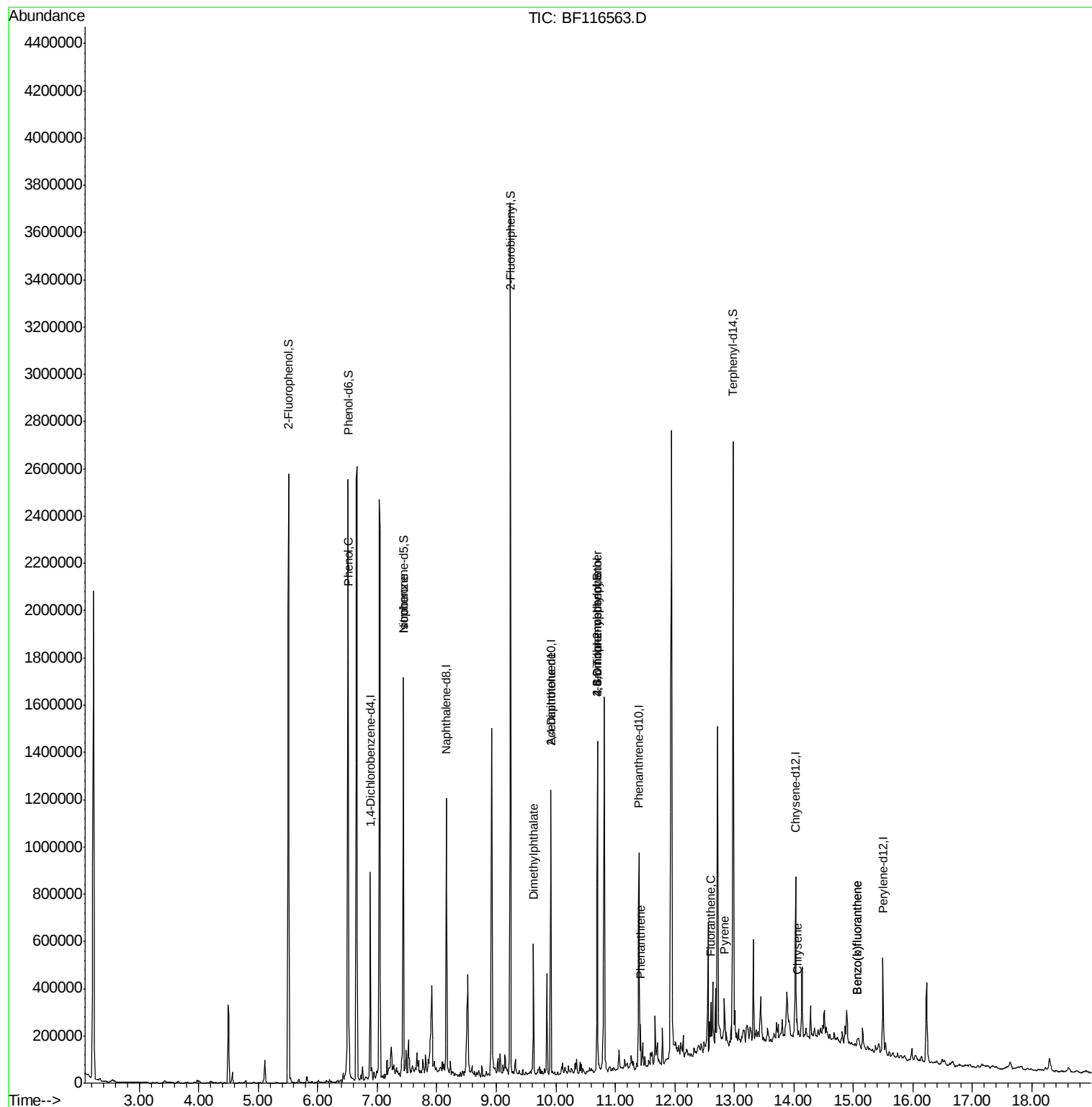
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	27987	2.336	ng	95
25) Isophorone	7.44	82	553121	31.849	ng	# 67
50) Dimethylphthalate	9.63	163	219556	14.698	ng	98
57) 2,4-Dinitrotoluene	9.92	165	28028	7.204	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	173	7.125	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	9054	2.881	ng	# 1
71) Phenanthrene	11.42	178	65187	3.991	ng	99
75) Fluoranthene	12.60	202	79953	4.735	ng	98
78) Pyrene	12.83	202	57980	3.494	ng	98
83) Chrysene	14.06	228	31341	2.301	ng	99
88) Benzo(b)fluoranthene	15.07	252	28423	2.617	ng	# 89
89) Benzo(k)fluoranthene	15.07	252	28423	2.888	ng	# 88

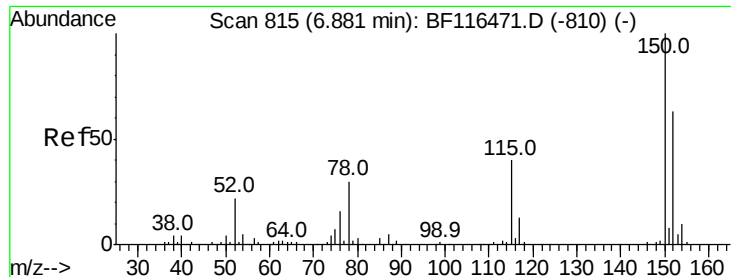
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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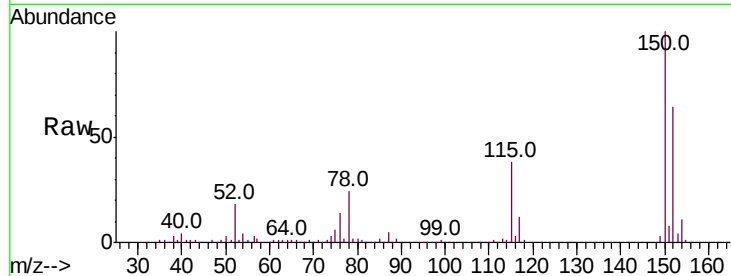


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.7	190.1
115	60.0	50.9	76.3

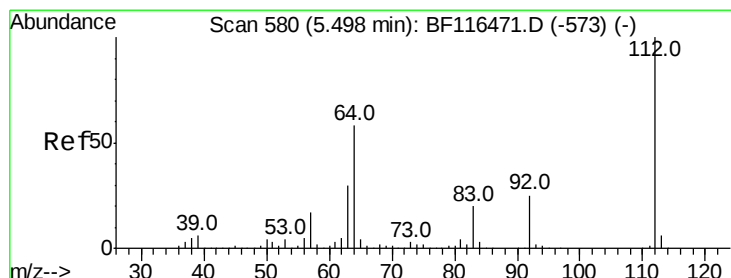
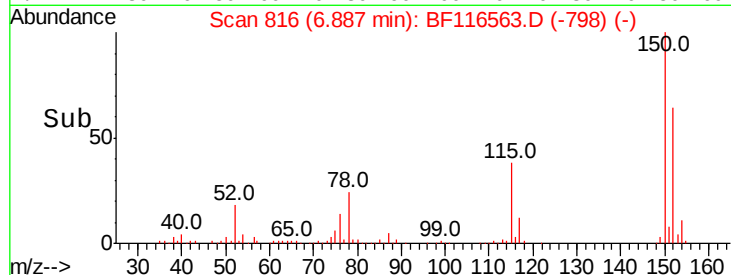
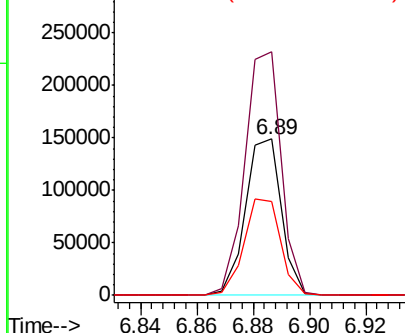


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

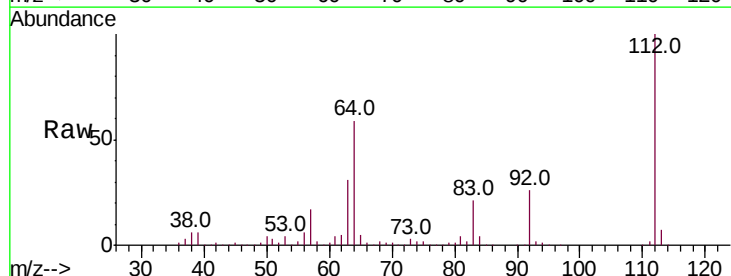
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 79.325 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.3	69.5
63	31.1	24.2	36.4

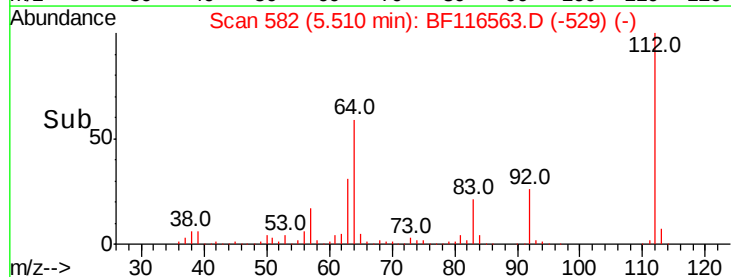
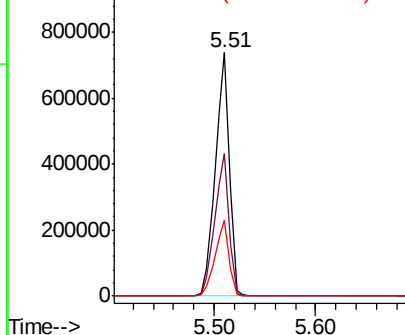


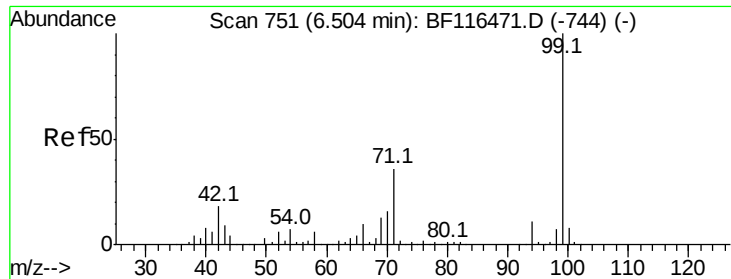
Abundance

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: 87.296 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

Instrument :

BNA_F

ClientSampled :

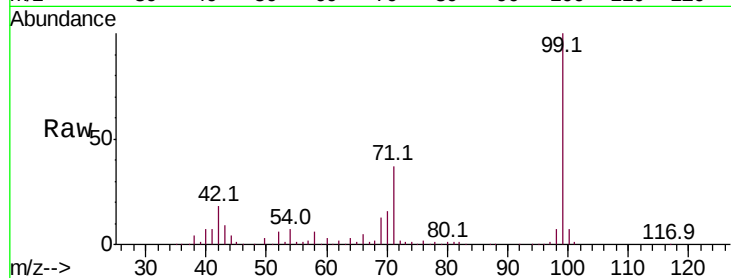
Tot Ion: 99 Resp: 963153

Ion Ratio Lower Upper

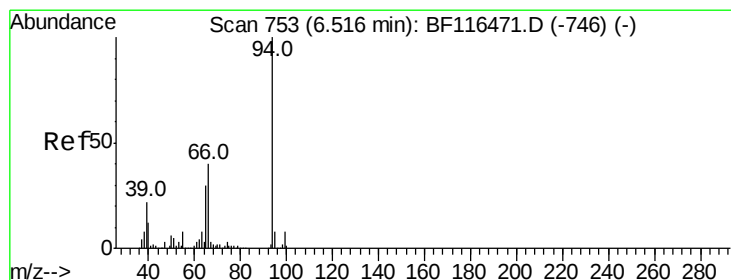
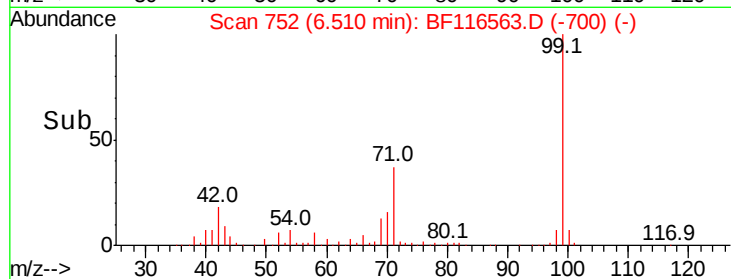
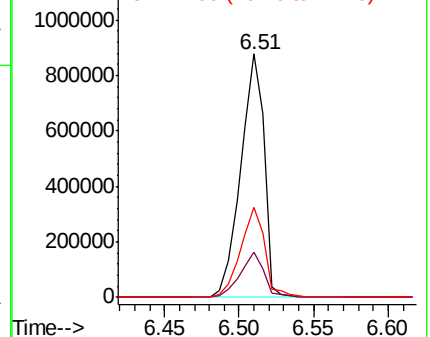
99 100

42 18.4 14.6 21.8

71 37.0 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



#10

Phenol

Concen: 2.336 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

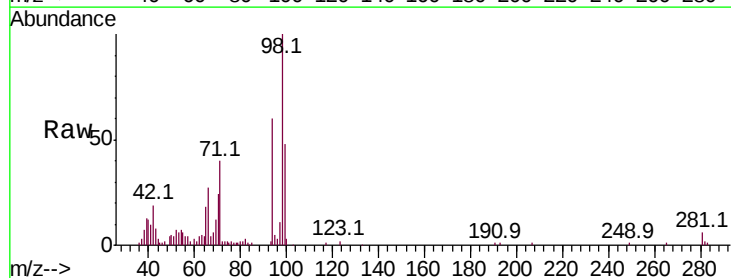
Tgt Ion: 94 Resp: 27987

Ion Ratio Lower Upper

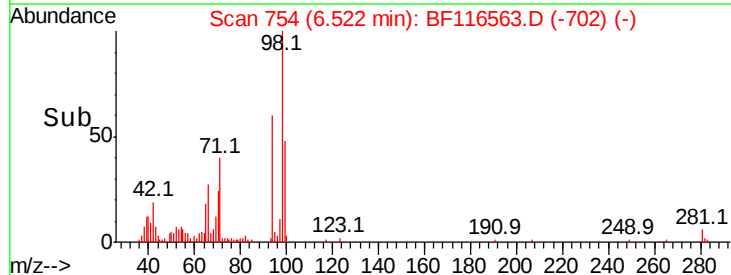
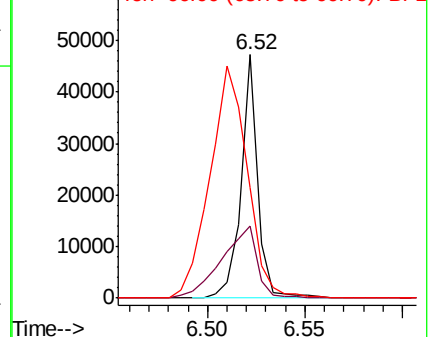
94 100

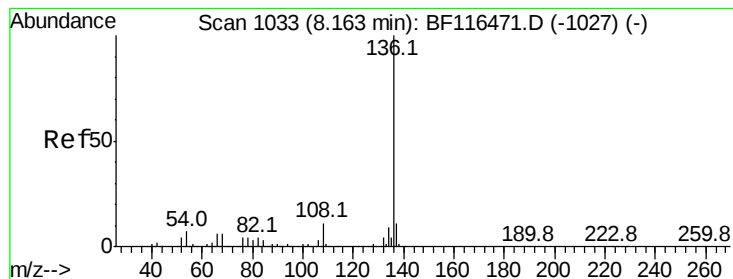
65 29.7 10.0 50.0

66 45.1 19.8 59.8



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 482151

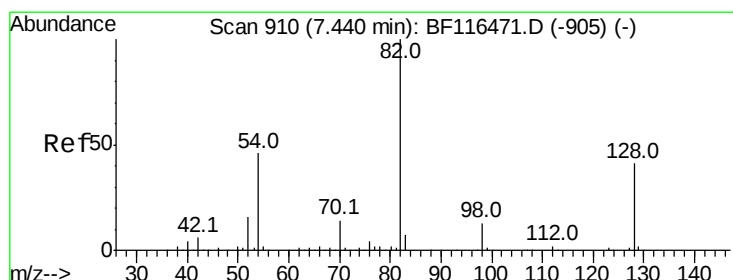
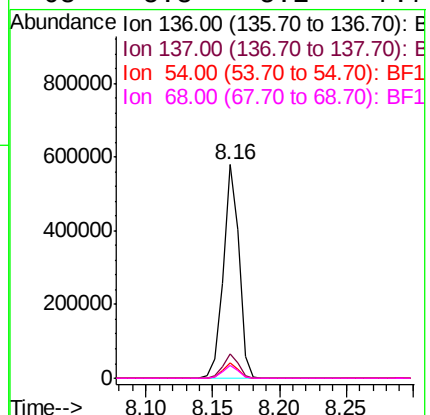
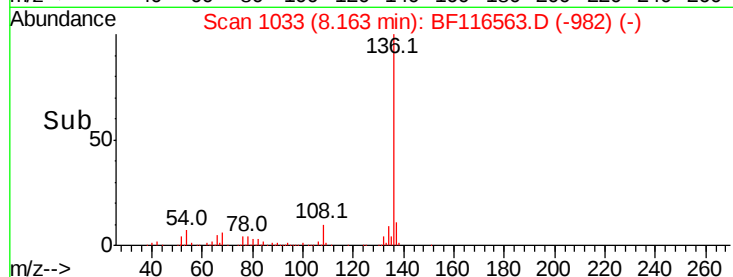
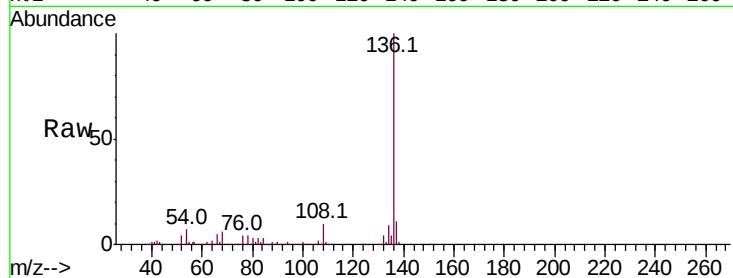
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 6.9 5.8 8.6

68 5.8 5.1 7.7



#23

Nitrobenzene-d5

Concen: 63.176 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

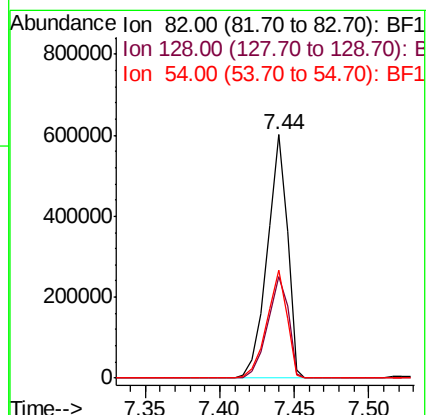
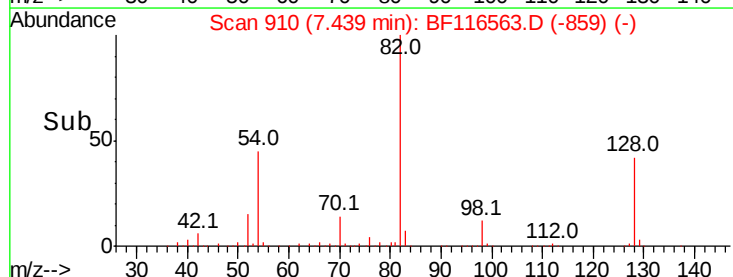
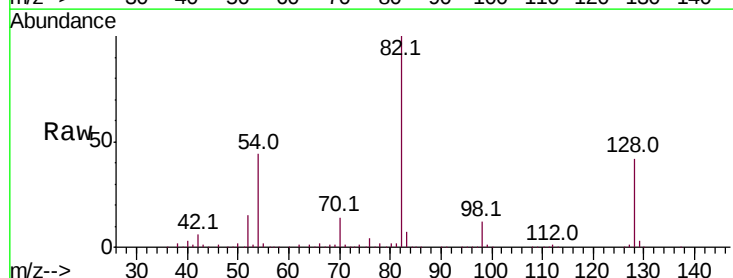
Tgt Ion: 82 Resp: 556761

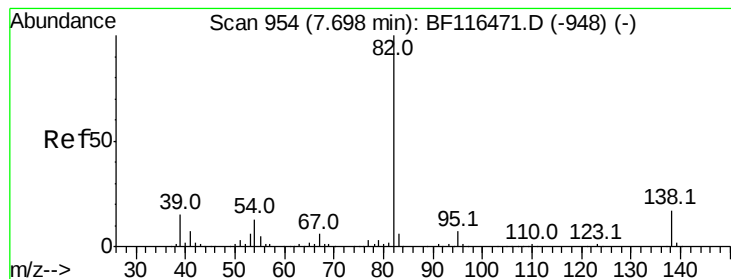
Ion Ratio Lower Upper

82 100

128 41.9 32.2 48.4

54 44.5 36.5 54.7





#25

Isophorone

Concen: 31.849 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116563.D

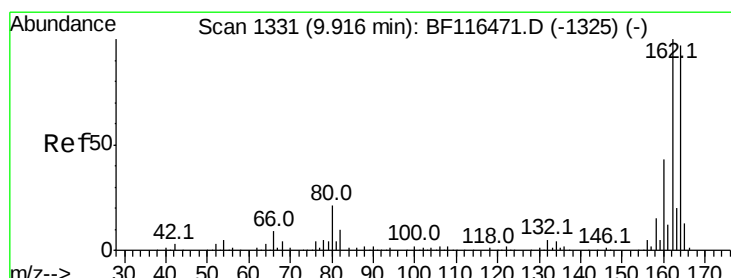
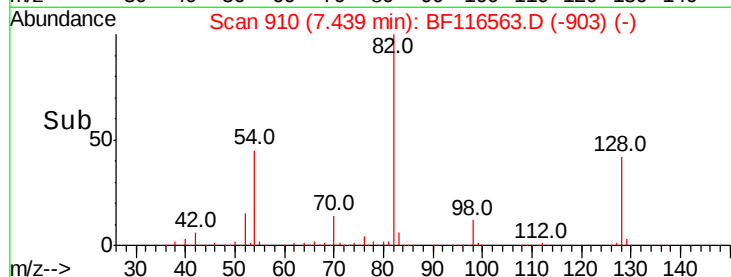
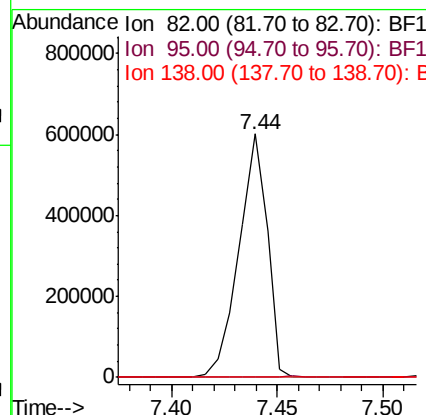
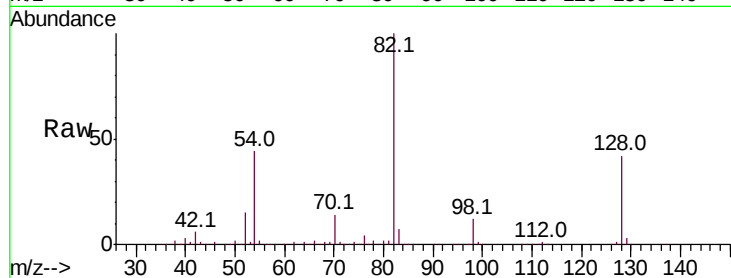
Acq: 26 Aug 2019 8:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	82	Resp:	553121
Ion Ratio	Lower	Upper	
82	100		
95	0.4	5.3	7.9#
138	0.0	13.3	19.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

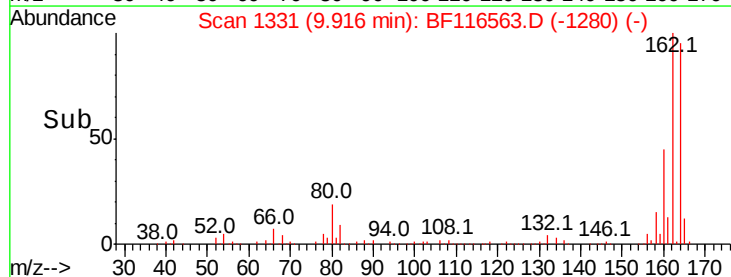
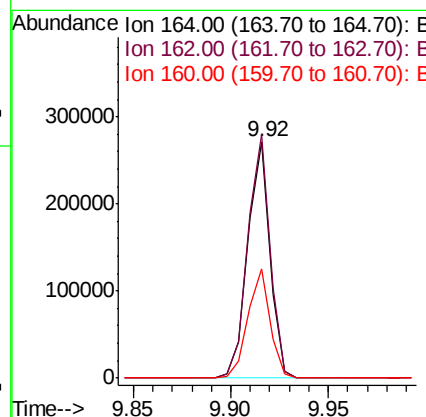
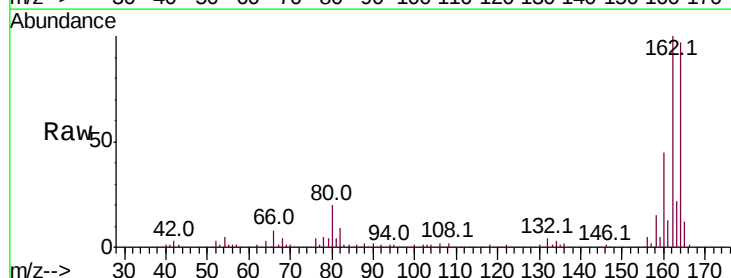
RT: 9.92 min Scan# 1331

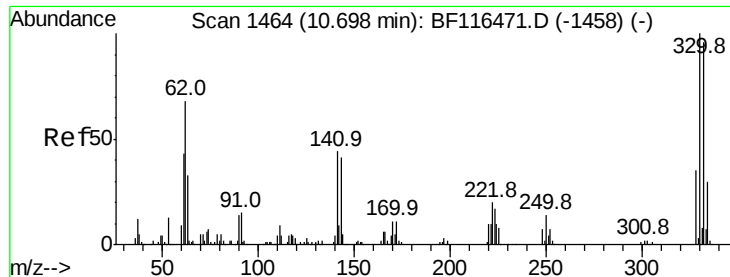
Delta R.T. -0.00 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

Tgt Ion:	164	Resp:	214096
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.6	123.8
160	46.1	35.8	53.8

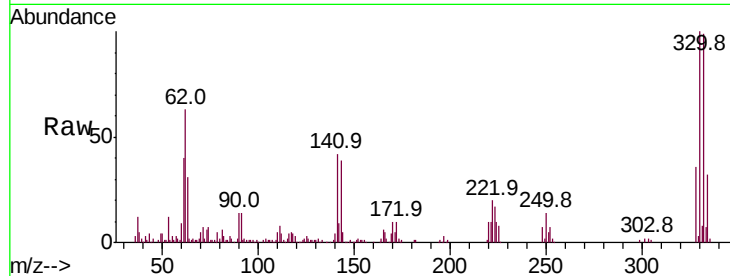




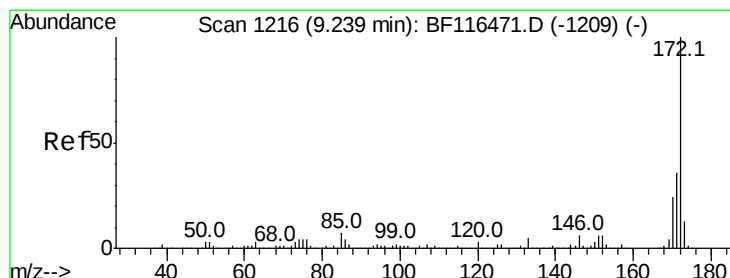
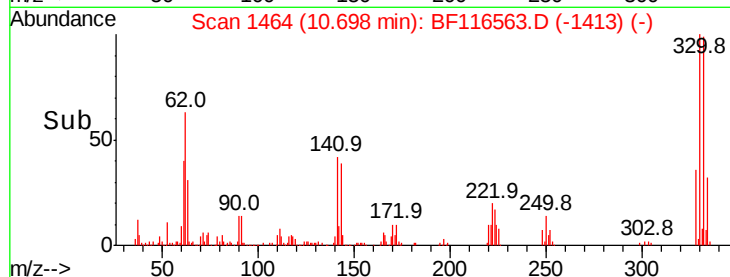
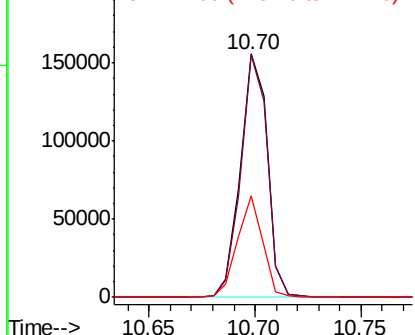
#42
 2,4,6-Tribromophenol
 Concen: 74.893 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116563.D
 Acq: 26 Aug 2019 8:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.2	115.8
141	39.5	33.3	49.9

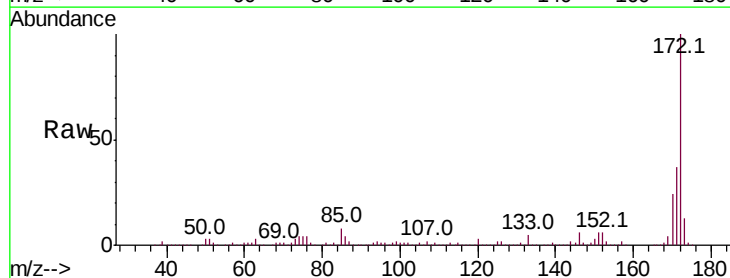


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

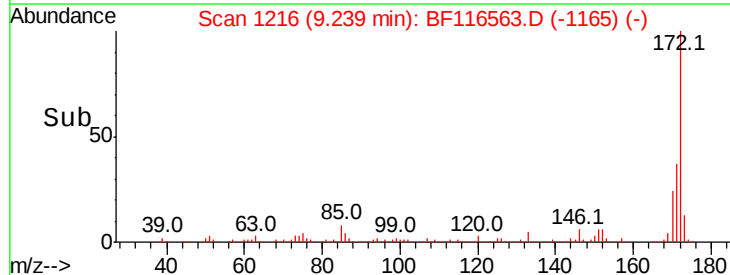
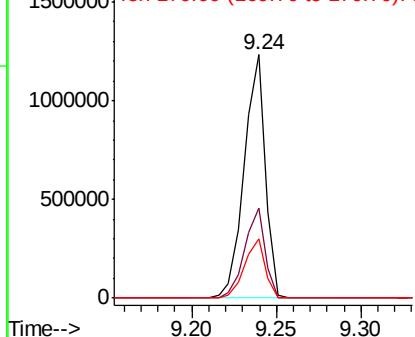


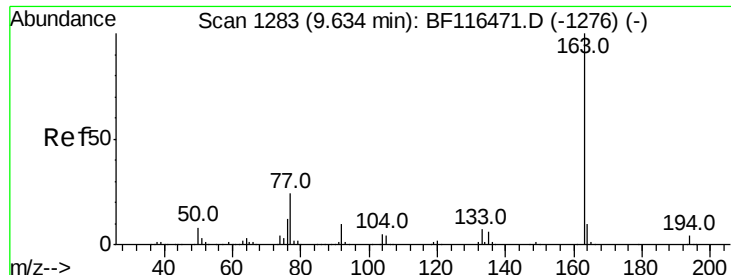
#45
 2-Fluorobiphenyl
 Concen: 81.220 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116563.D
 Acq: 26 Aug 2019 8:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.9	43.3
170	24.4	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

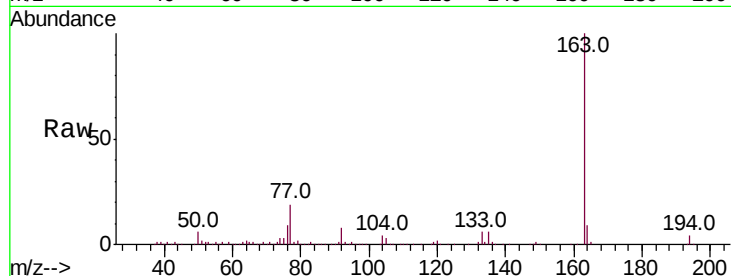




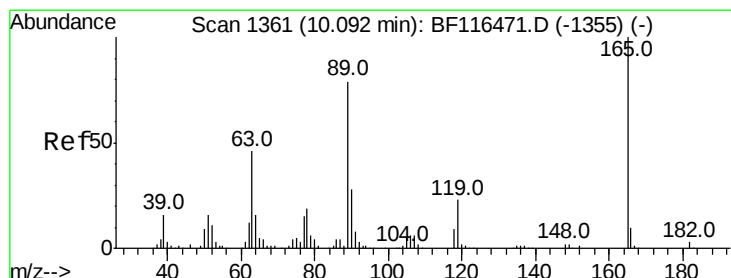
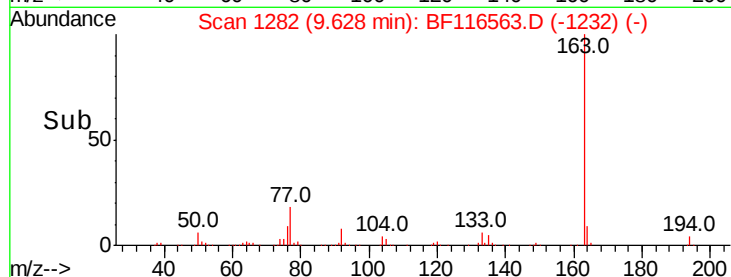
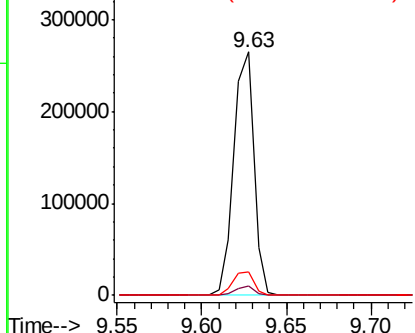
#50
Dimethylphthalate
Concen: 14.698 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Resp	Lower	Upper
163	100	219556		
194	4.0		2.9	4.3
164	9.4		8.2	12.2

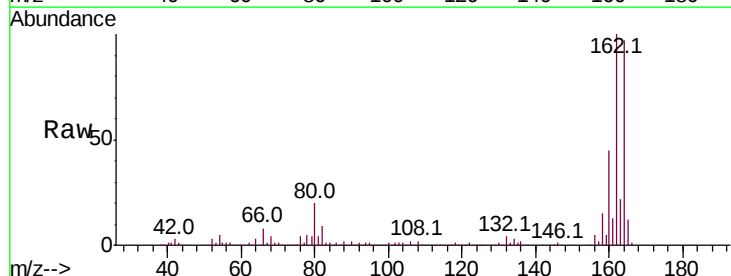


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

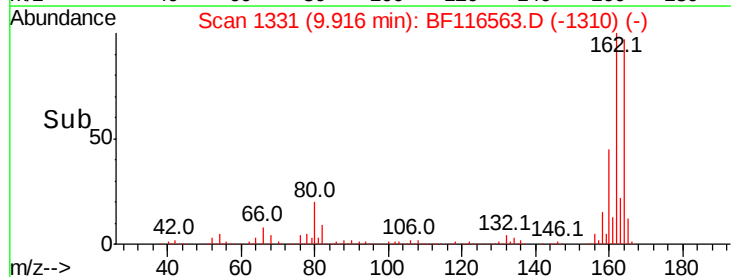
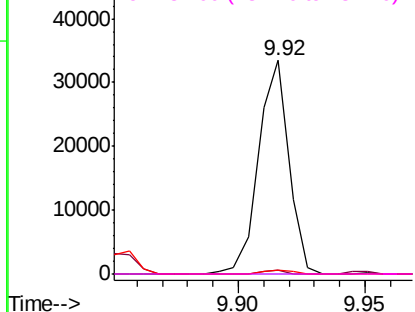


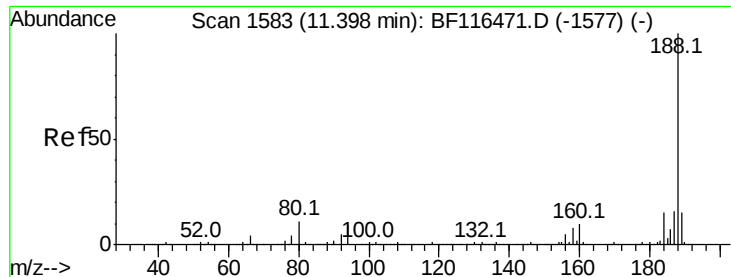
#57
2,4-Dinitrotoluene
Concen: 7.204 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	28028		
63	1.7		36.9	55.3#
89	1.9		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

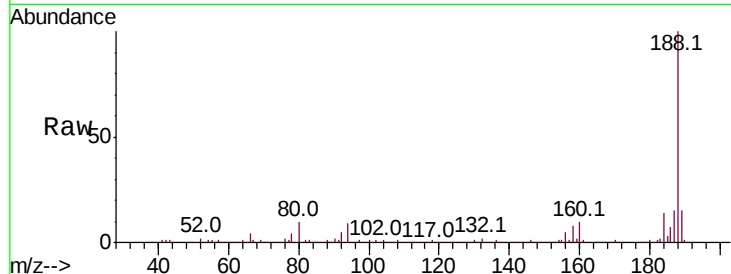




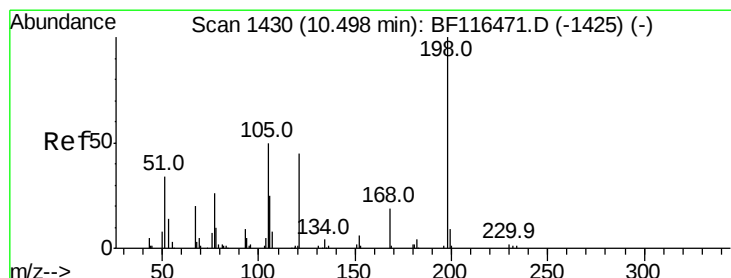
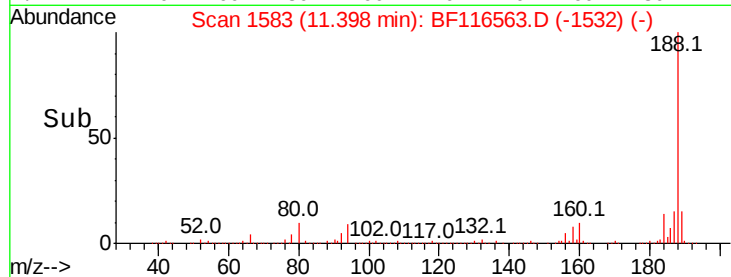
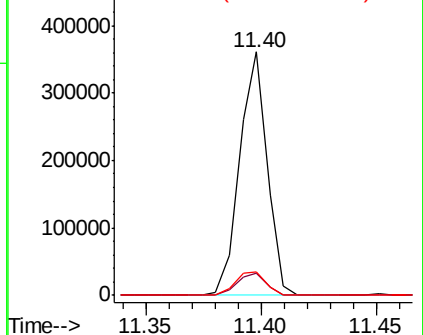
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.4	11.2
80	9.8	8.6	12.8

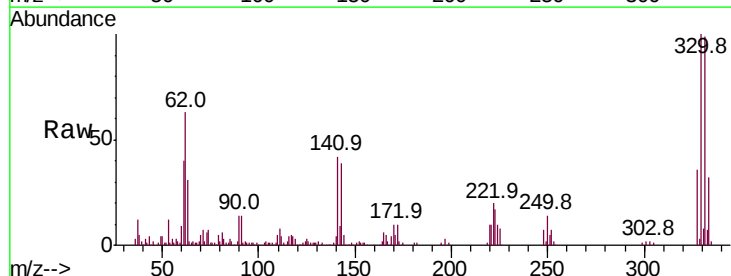


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

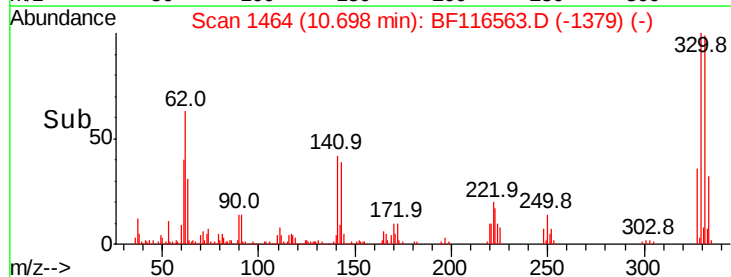
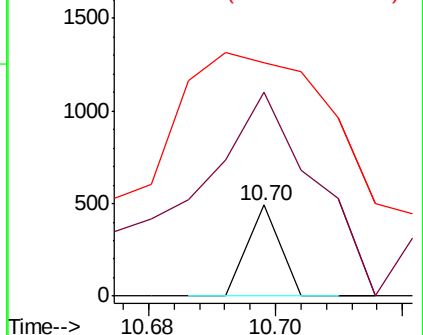


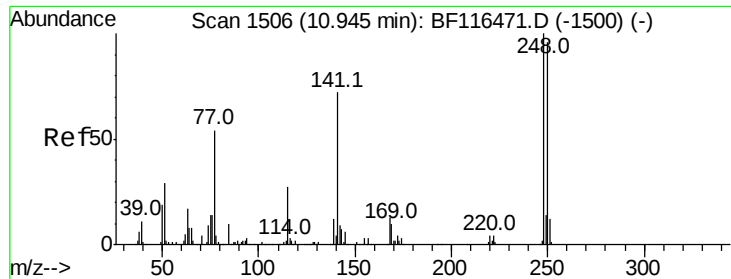
#65
4,6-Dinitro-2-methylphenol
Concen: 7.125 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Tgt Ion	Ratio	Lower	Upper
198	100		
51	224.7	30.4	70.4#
105	256.9	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

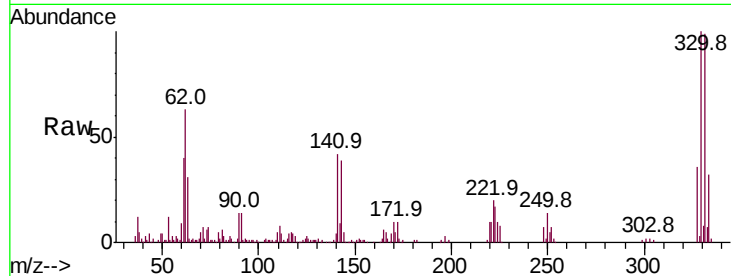




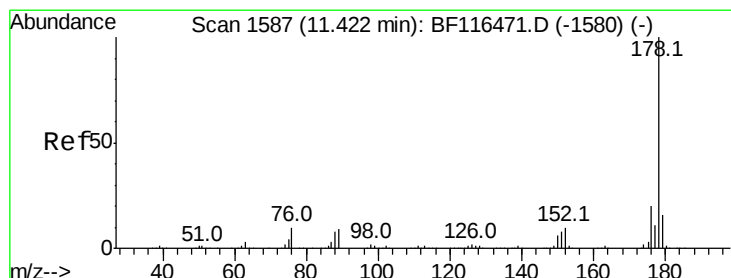
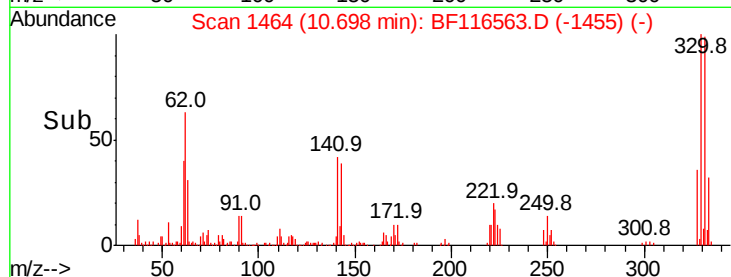
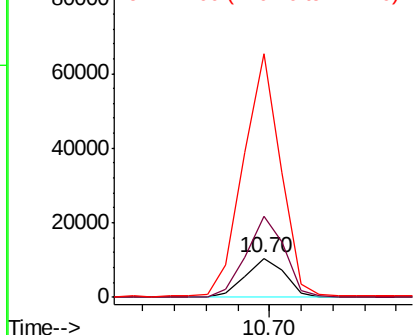
#67
 4-Bromophenyl-phenylether
 Concen: 2.881 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116563.D
 Acq: 26 Aug 2019 8:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 248 Resp: 9054
 Ion Ratio Lower Upper
 248 100
 250 206.9 77.0 115.6#
 141 617.5 57.4 86.0#

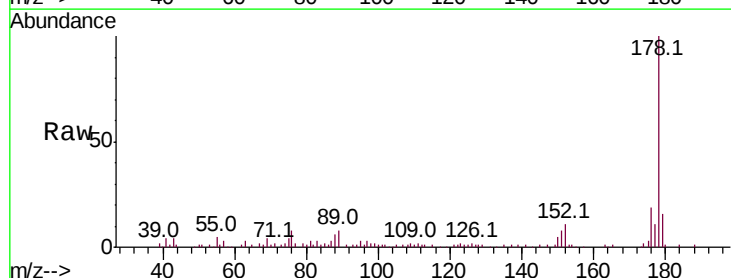


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

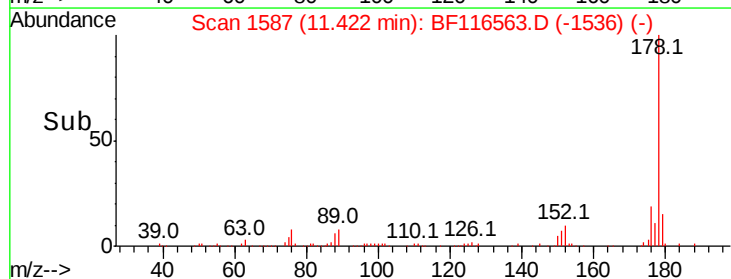
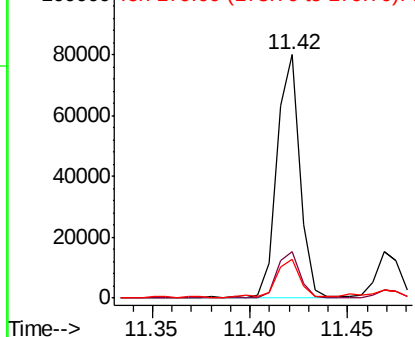


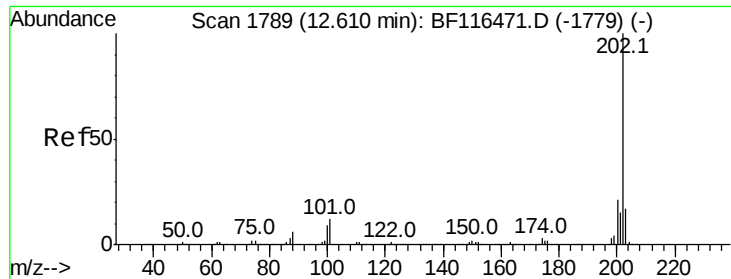
#71
 Phenanthrene
 Concen: 3.991 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF116563.D
 Acq: 26 Aug 2019 8:10

Tgt Ion: 178 Resp: 65187
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.6
 179 15.9 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: 4.735 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

Instrument :

BNA_F

ClientSampleId :

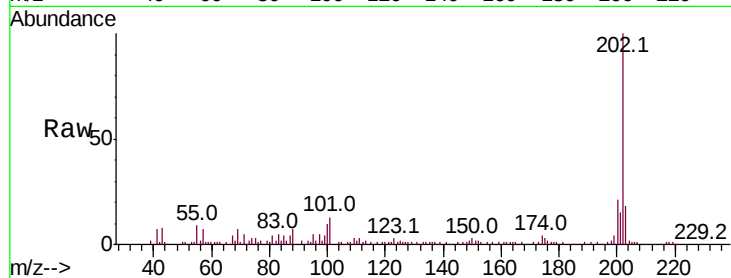
Tot Ion:202 Resp: 79953

Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.5

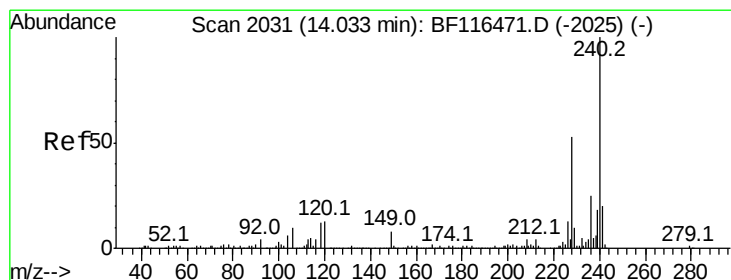
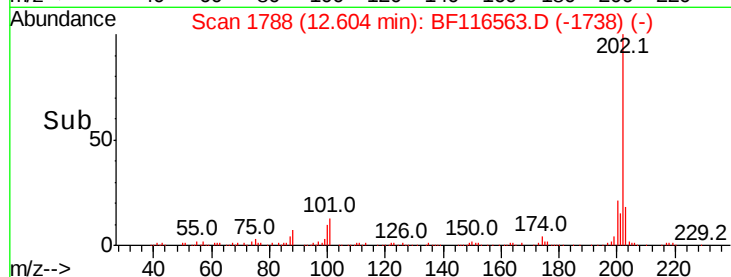
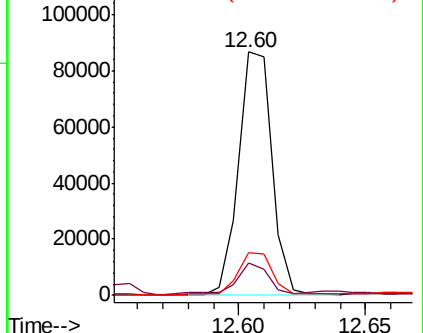
203 17.5 0.0 37.5



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# 2030

Delta R.T. -0.01 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

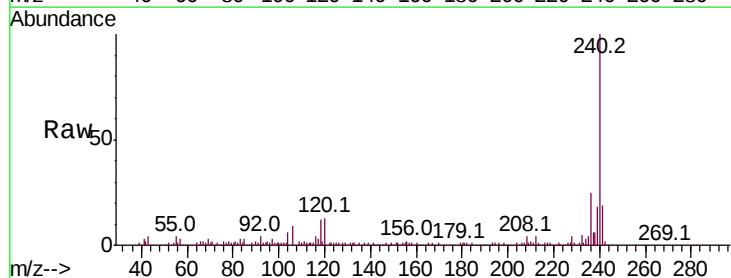
Tgt Ion:240 Resp: 207490

Ion Ratio Lower Upper

240 100

120 13.3 10.5 15.7

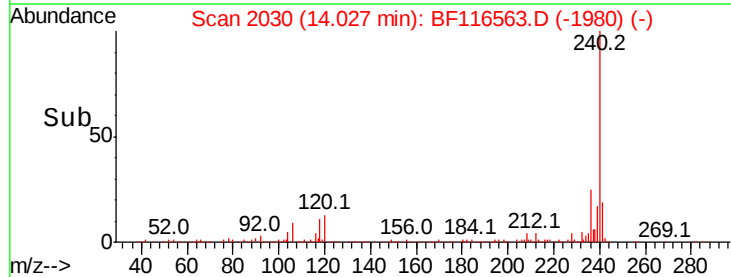
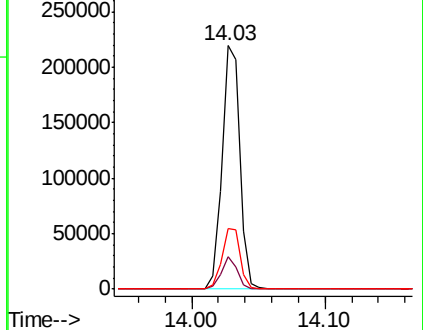
236 25.0 20.2 30.2

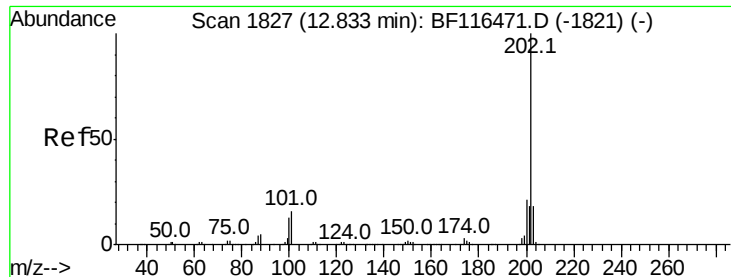


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.494 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

Instrument :

BNA_F

ClientSampleId :

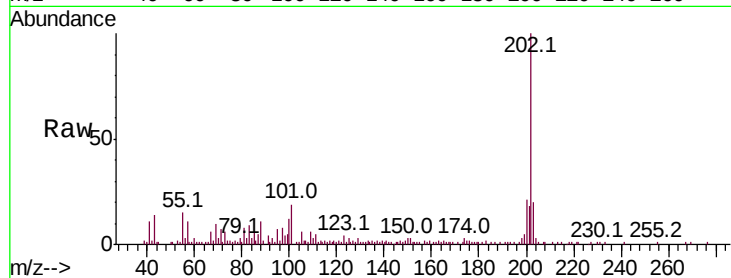
Tot Ion:202 Resp: 57980

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

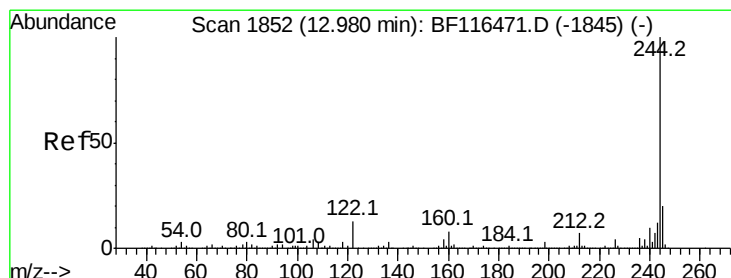
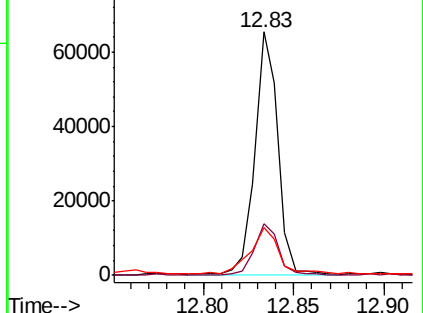
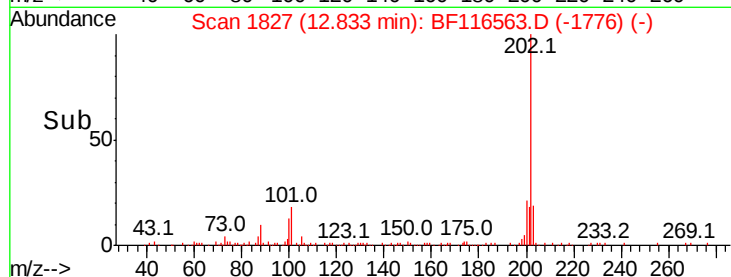
203 19.6 14.2 21.4



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: 72.612 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

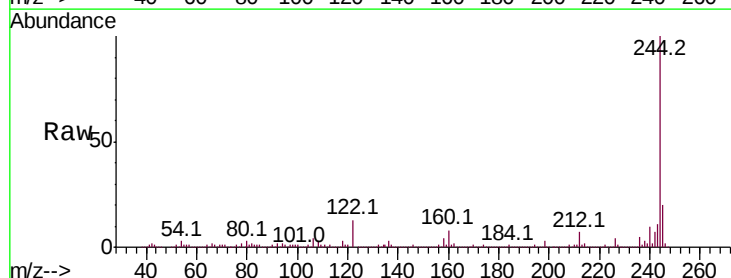
Tgt Ion:244 Resp: 806590

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

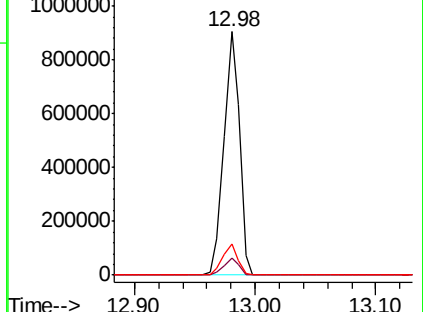
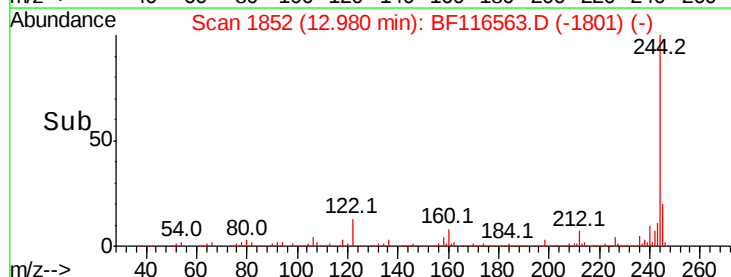
122 12.6 10.2 15.4

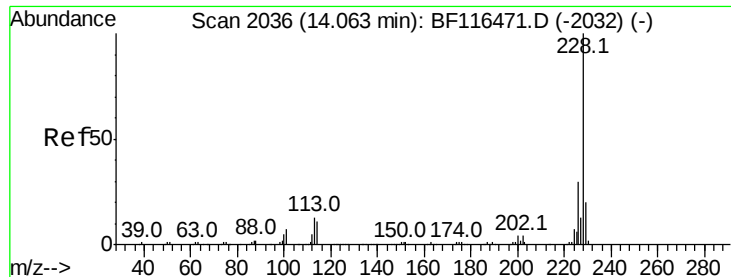


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.301 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

Instrument :

BNA_F

ClientSampleId :

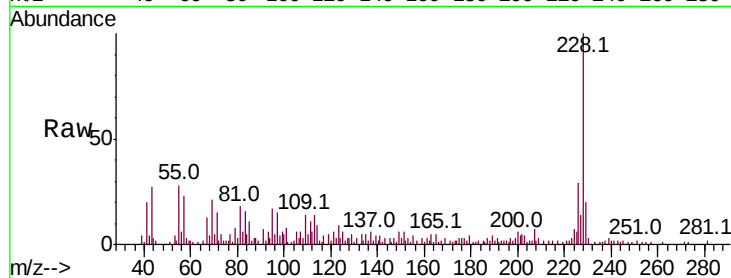
Tot Ion:228 Resp: 31341

Ion Ratio Lower Upper

228 100

226 29.5 24.2 36.2

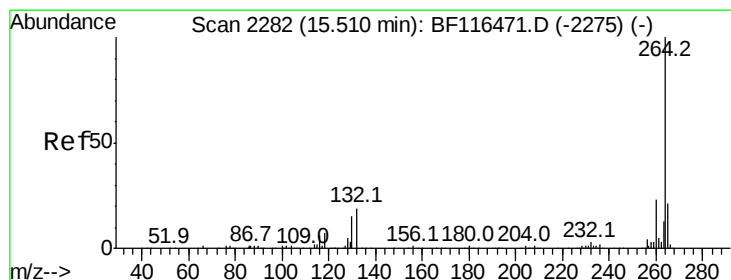
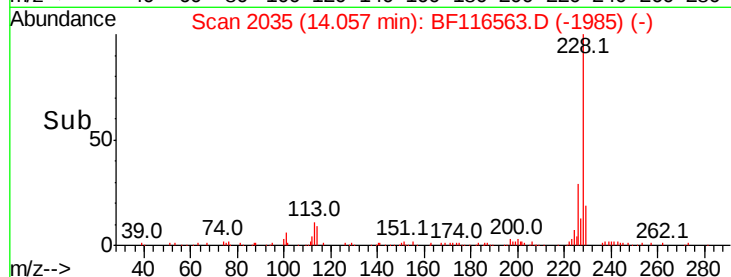
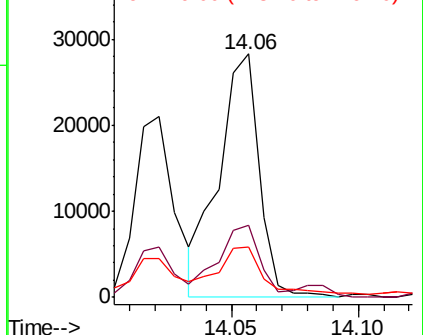
229 20.5 15.8 23.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116563.D

Acq: 26 Aug 2019 8:10

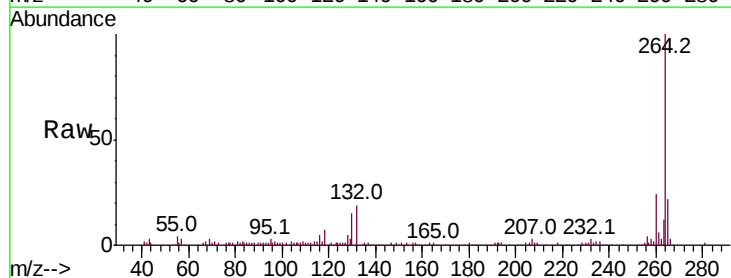
Tgt Ion:264 Resp: 175837

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

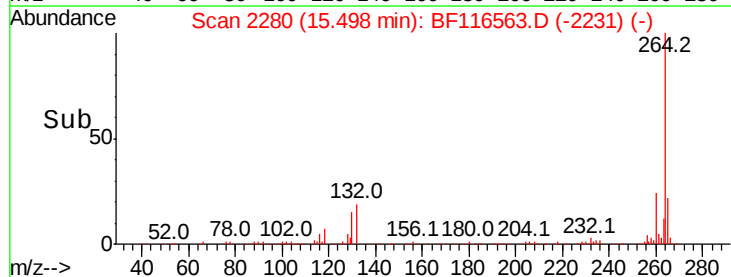
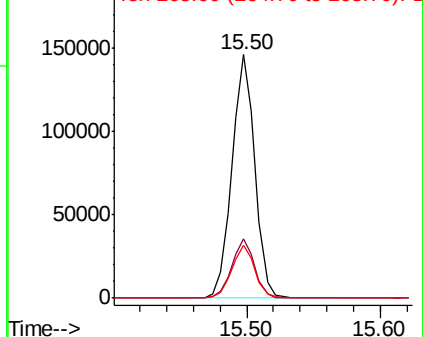
265 21.8 17.1 25.7

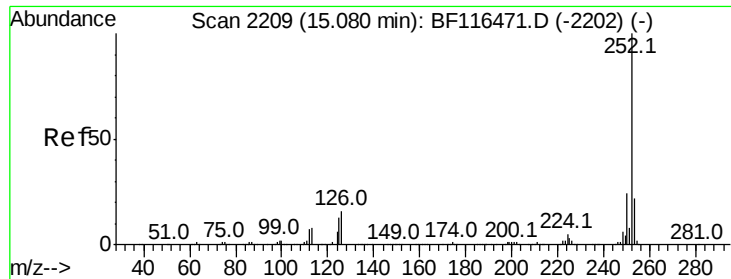


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

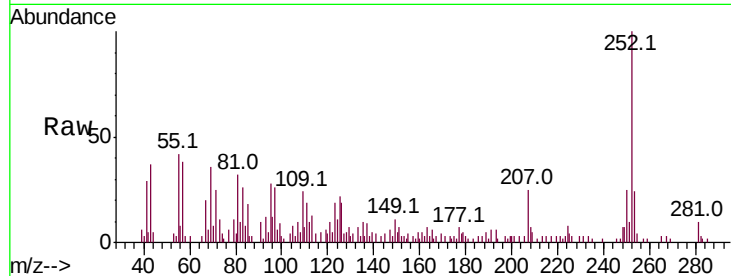




#88
Benzo(b)fluoranthene
Concen: 2.617 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	22.3	10.1	15.1#

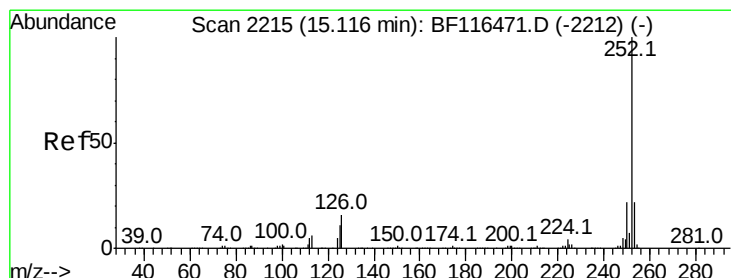
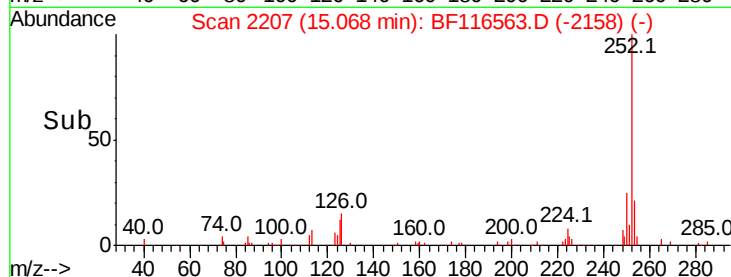
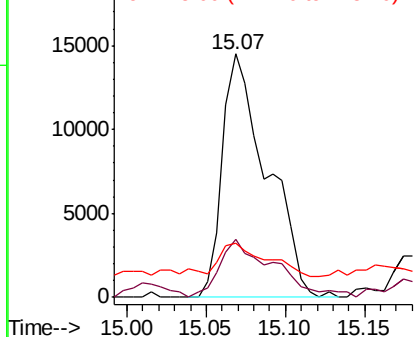


Abundance

Ion 252.00 (251.70 to 252.70): E

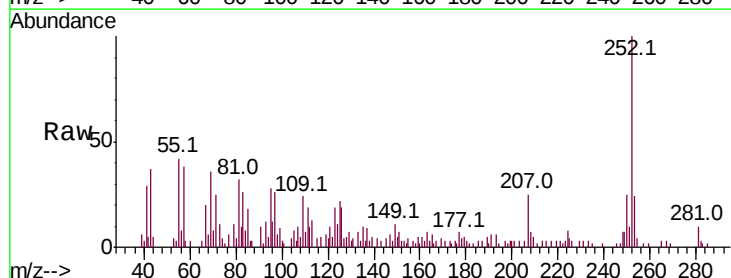
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.888 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116563.D
Acq: 26 Aug 2019 8:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	22.3	9.1	13.7#



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

