

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116534.D
 Acq On : 25 Aug 2019 16:14
 Operator : HP/JU
 Sample : K4475-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 06:28:37 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	147238	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	554741	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	256932	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	350326	20.00	ng	0.00
76) Chrysene-d12	14.03	240	213734	20.00	ng	0.00
87) Perylene-d12	15.50	264	235499	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	691139	68.59	ng	0.01
7) Phenol-d6	6.51	99	913440	73.93	ng	0.00
23) Nitrobenzene-d5	7.44	82	573968	56.61	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	195246	88.50	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1171345	73.42	ng	0.00
79) Terphenyl-d14	12.99	244	1057034	92.38	ng	0.00

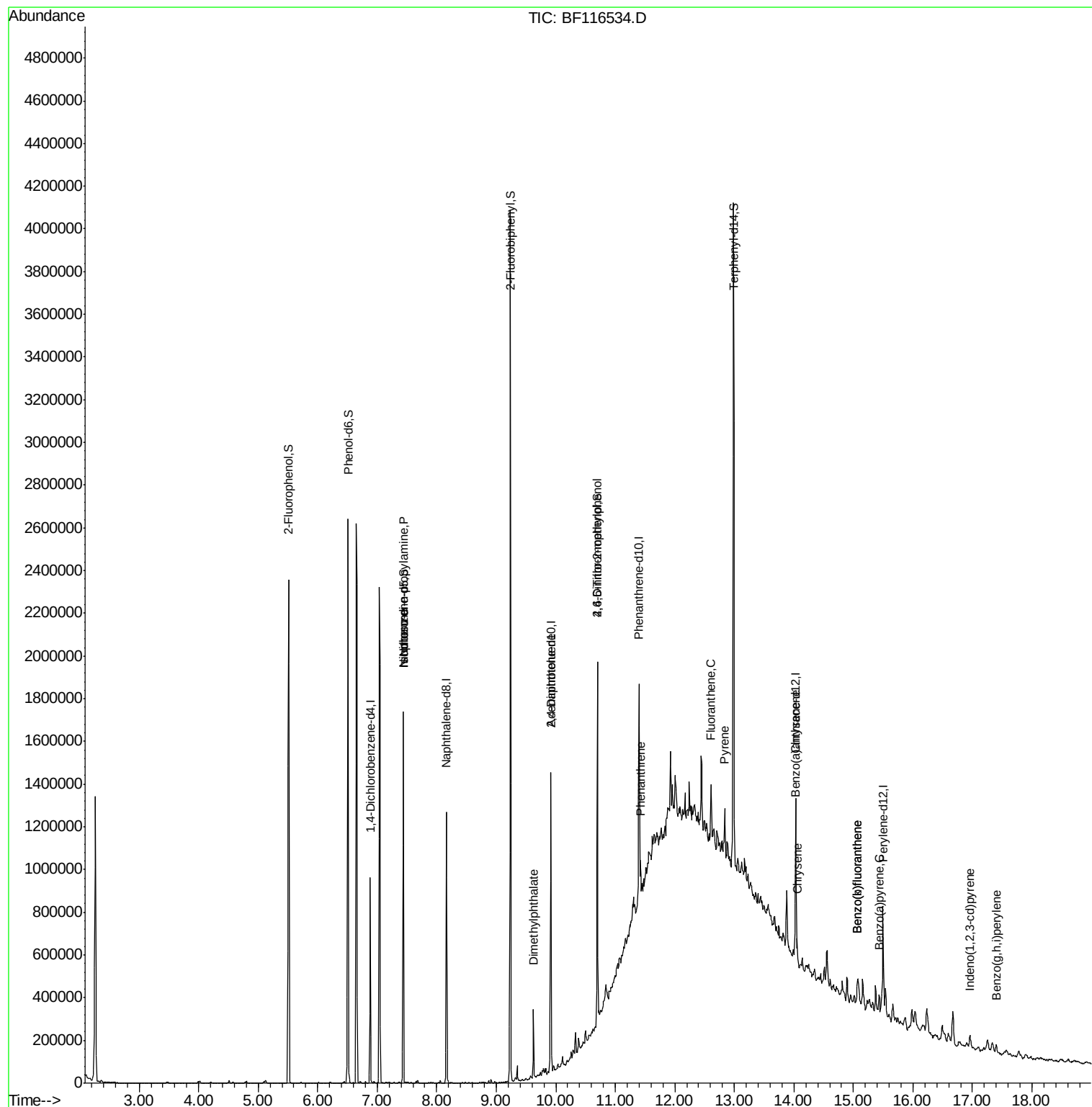
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	77770	9.224	ng	# 78
25) Isophorone	7.44	82	573828	28.717	ng	# 67
50) Dimethylphthalate	9.63	163	126595	7.062	ng	99
57) 2,4-Dinitrotoluene	9.92	165	33759	7.231	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.70	198	445	7.270	ng	# 1
71) Phenanthrene	11.42	178	55781	2.923	ng	94
75) Fluoranthene	12.61	202	100100	5.073	ng	91
78) Pyrene	12.84	202	89907	5.260	ng	95
81) Benzo(a)anthracene	14.02	228	47489	3.431	ng	# 91
83) Chrysene	14.06	228	42612	3.037	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.96	276	35083	2.919	ng	# 90
88) Benzo(b)fluoranthene	15.07	252	82033	5.639	ng	# 92
89) Benzo(k)fluoranthene	15.07	252	82033	6.224	ng	# 90
90) Benzo(a)pyrene	15.43	252	42738	3.324	ng	# 93
92) Benzo(a,h,i)perylene	17.40	276	32946	3.271	ng	98

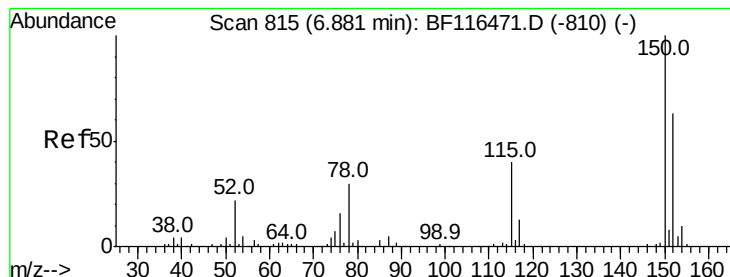
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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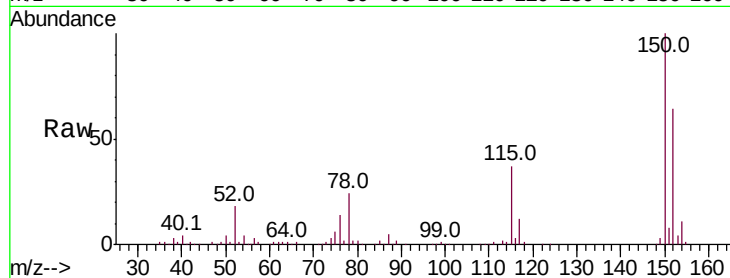


#1

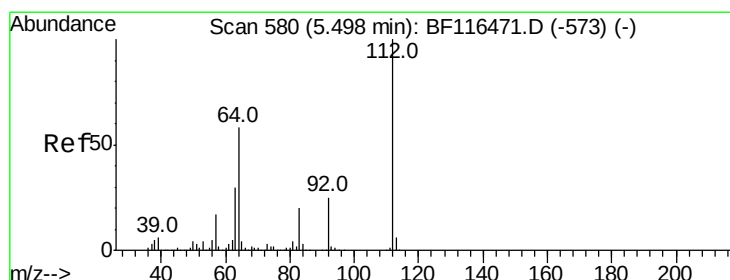
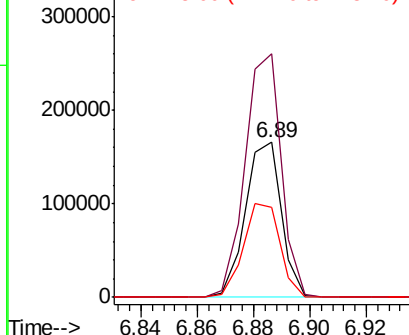
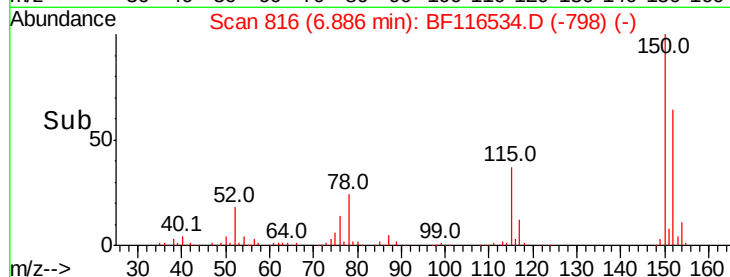
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. 0.01 min
 Lab File: BF116534.D
 Acq: 25 Aug 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.7	190.1
115	58.5	50.9	76.3



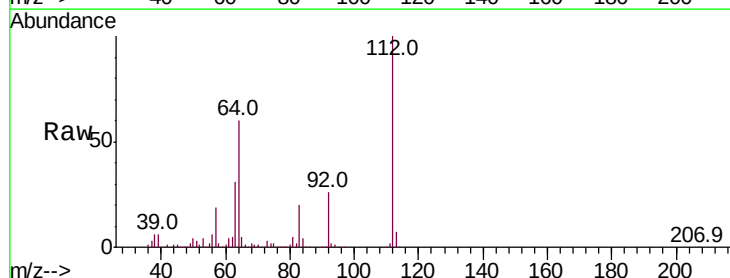
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



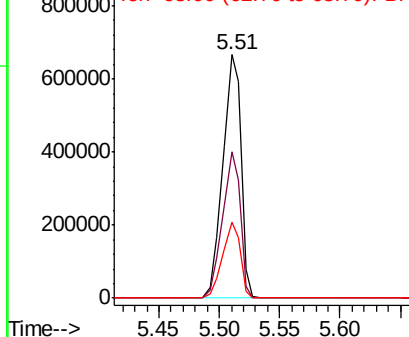
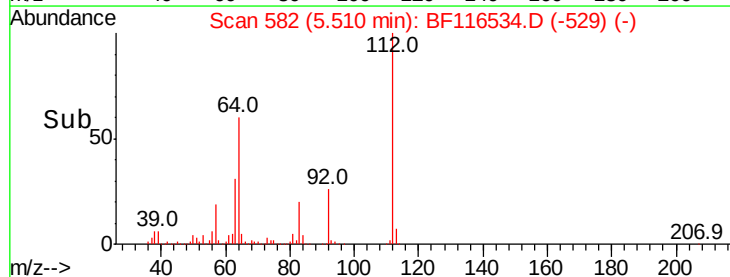
#5

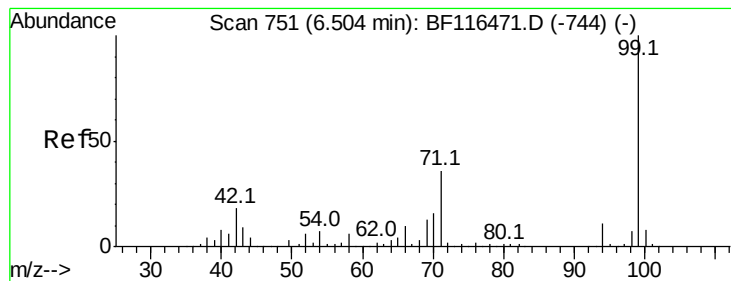
2-Fluorophenol
 Concen: 68.587 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BF116534.D
 Acq: 25 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	46.3	69.5
63	31.4	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: 73.928 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Instrument :

BNA_F

ClientSampled :

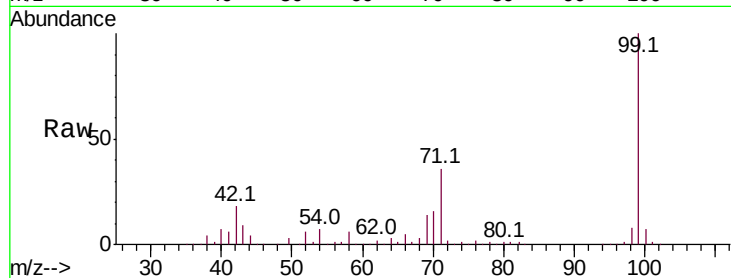
Tot Ion: 99 Resp: 913440

Ion Ratio Lower Upper

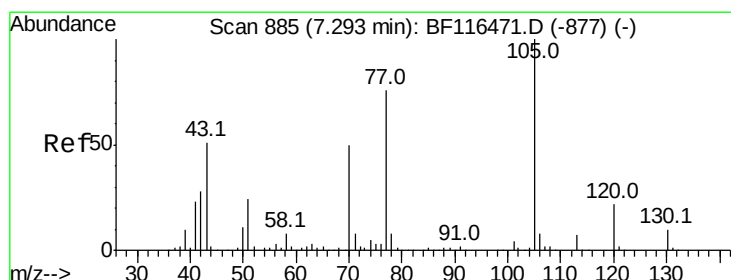
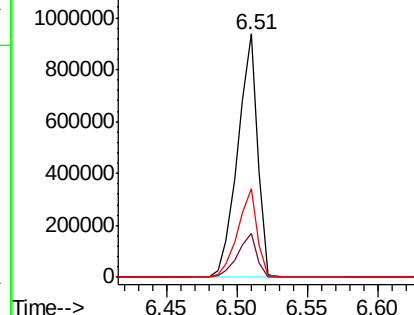
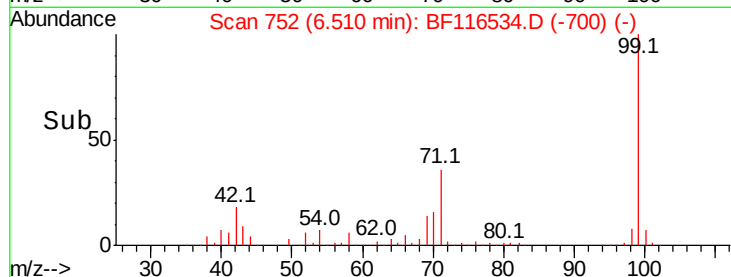
99 100

42 18.2 14.6 21.8

71 36.5 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: 9.224 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Tgt Ion: 70 Resp: 77770

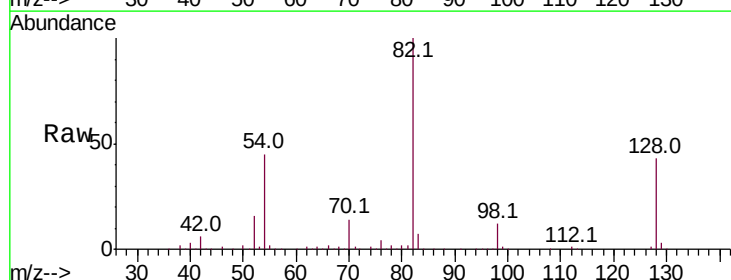
Ion Ratio Lower Upper

70 100

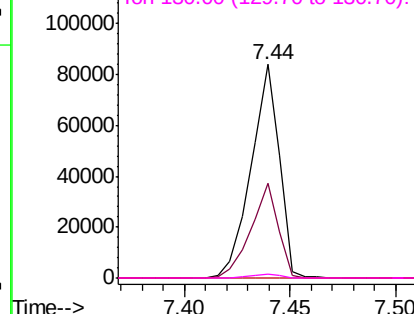
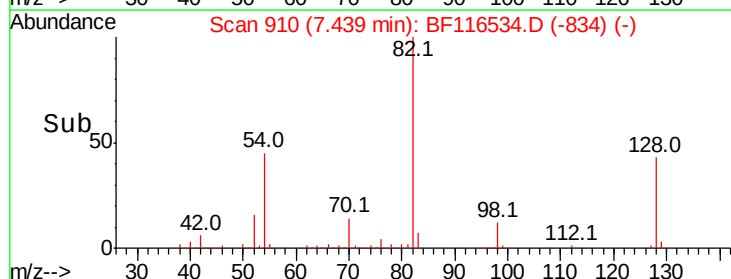
42 44.5 44.4 66.6

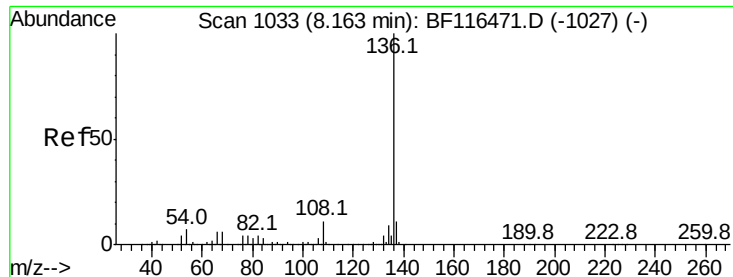
101 0.0 7.1 10.7#

130 1.7 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 554741

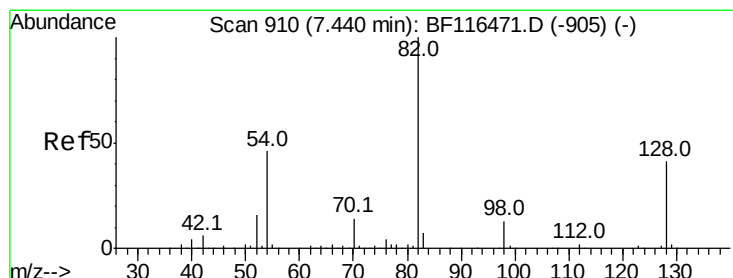
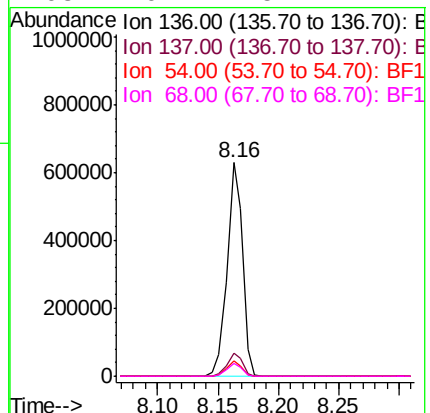
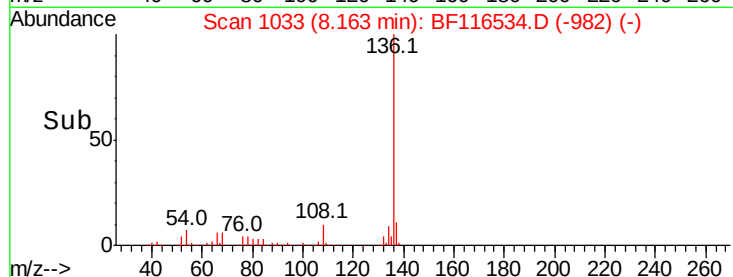
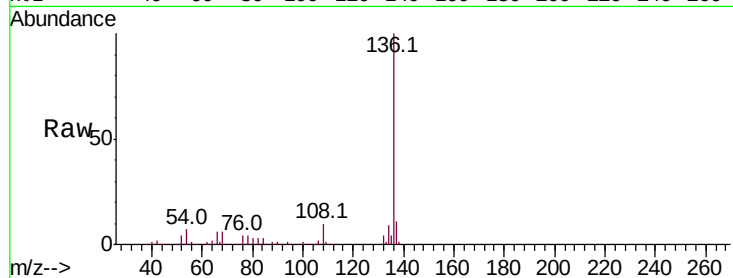
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 7.1 5.8 8.6

68 6.2 5.1 7.7



#23

Nitrobenzene-d5

Concen: 56.606 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

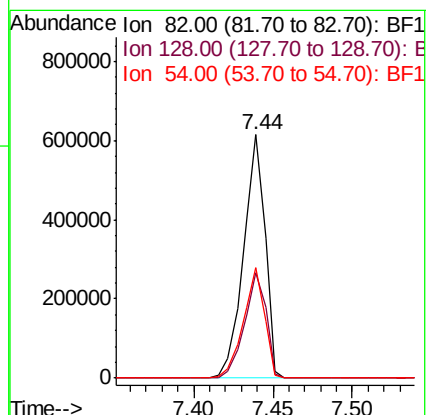
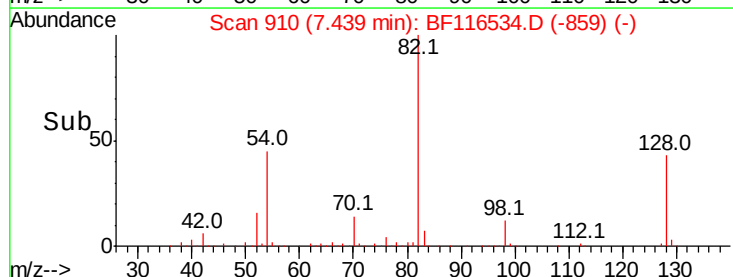
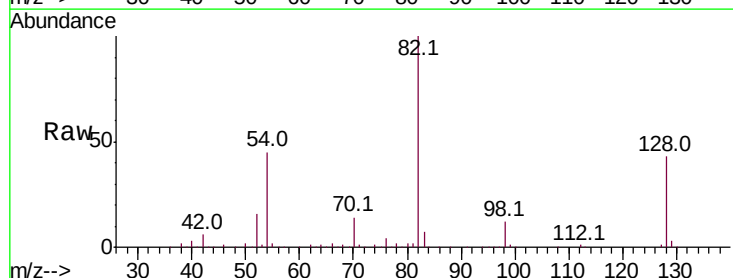
Tgt Ion: 82 Resp: 573968

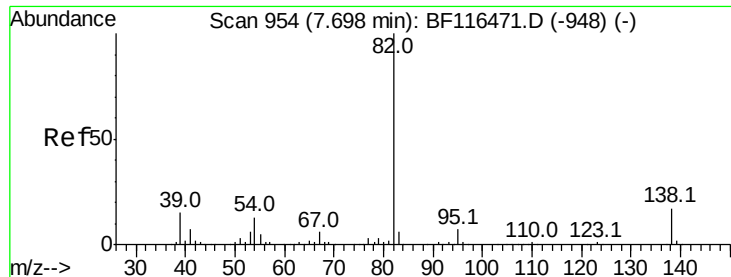
Ion Ratio Lower Upper

82 100

128 43.1 32.2 48.4

54 45.2 36.5 54.7





#25

Isophorone

Concen: 28.717 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Instrument :

BNA_F

ClientSampleId :

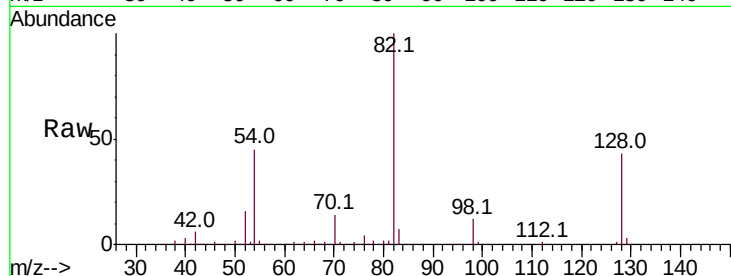
Tot Ion: 82 Resp: 573828

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

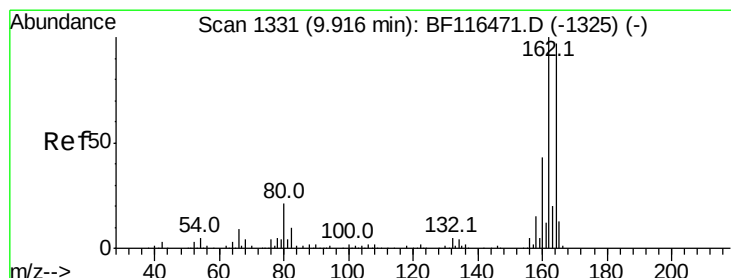
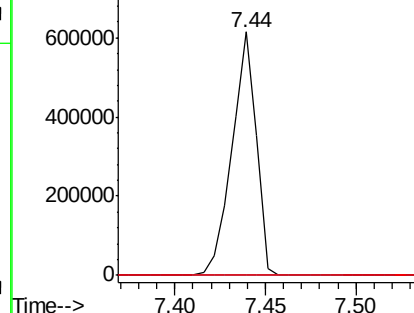
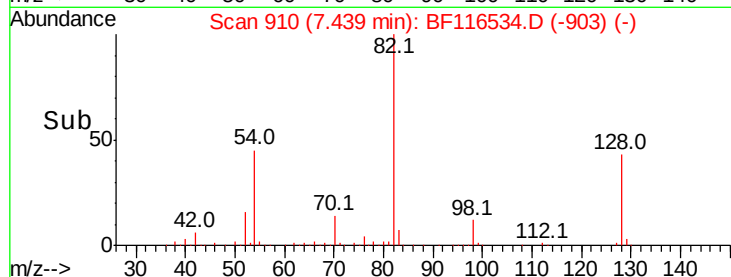
138 0.0 13.3 19.9#



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: BF116534.D

Acq: 25 Aug 2019 16:14

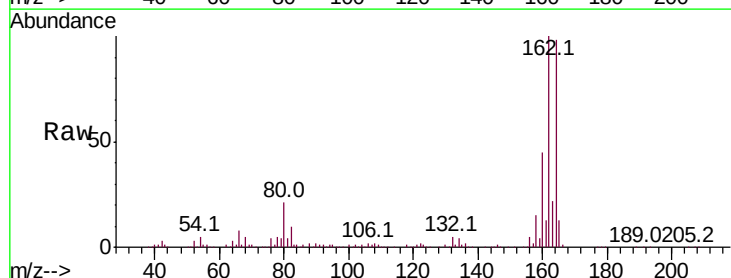
Tgt Ion:164 Resp: 256932

Ion Ratio Lower Upper

164 100

162 101.8 82.6 123.8

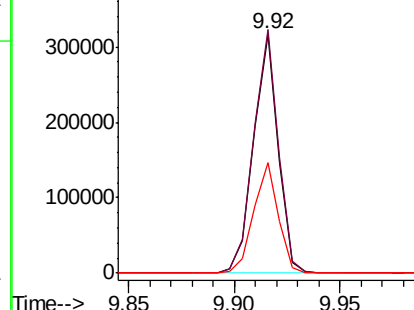
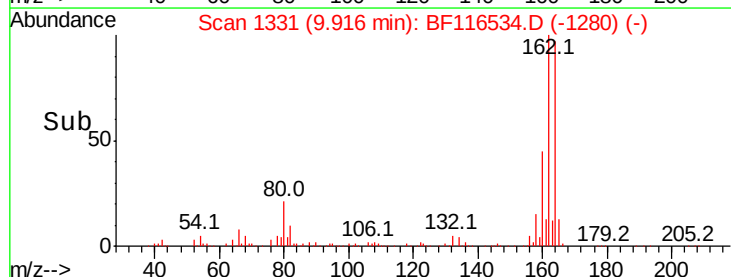
160 46.1 35.8 53.8

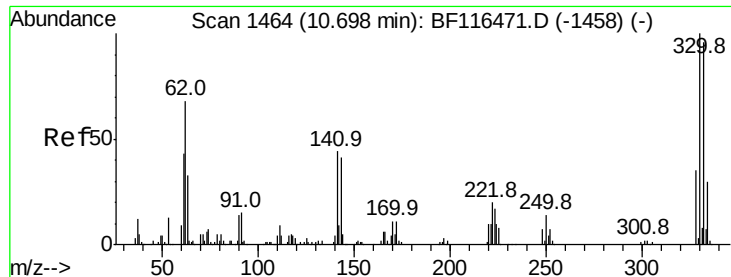


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

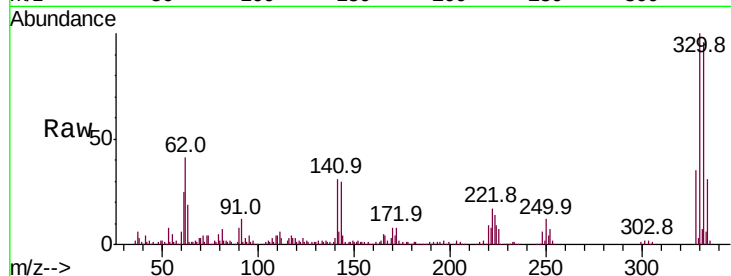




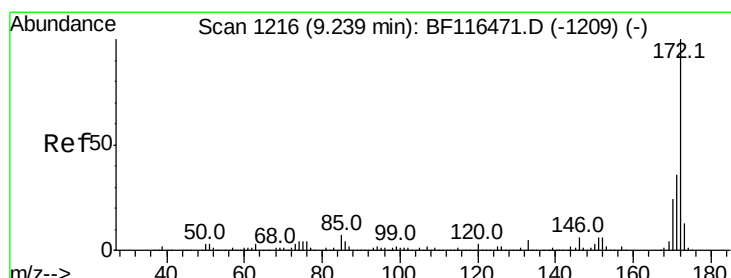
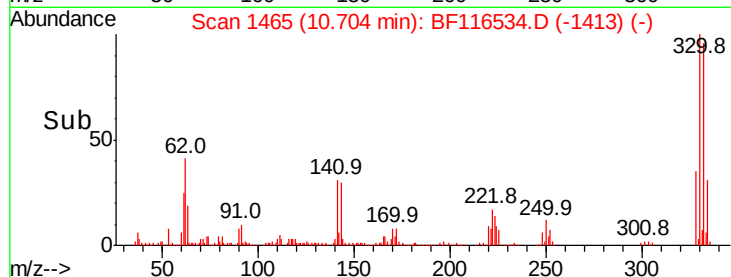
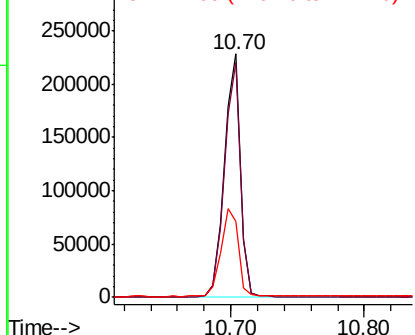
#42
 2,4,6-Tribromophenol
 Concen: 88.499 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.01 min
 Lab File: BF116534.D
 Acq: 25 Aug 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.2	115.8
141	39.0	33.3	49.9

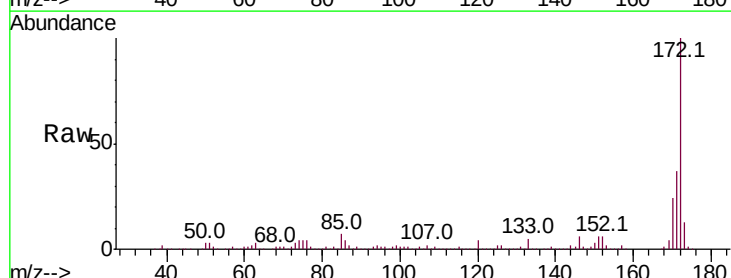


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

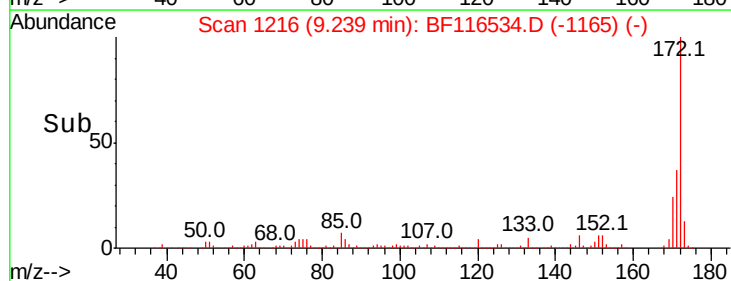
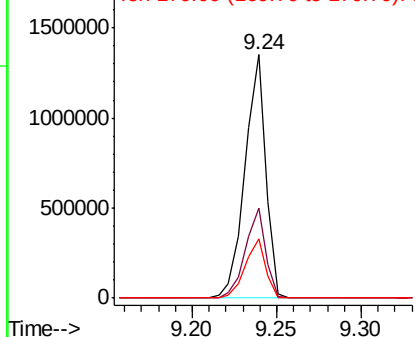


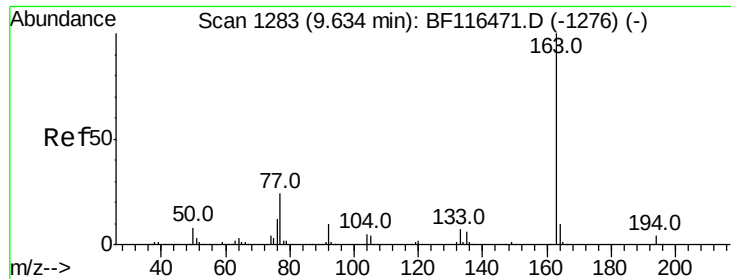
#45
 2-Fluorobiphenyl
 Concen: 73.418 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116534.D
 Acq: 25 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	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

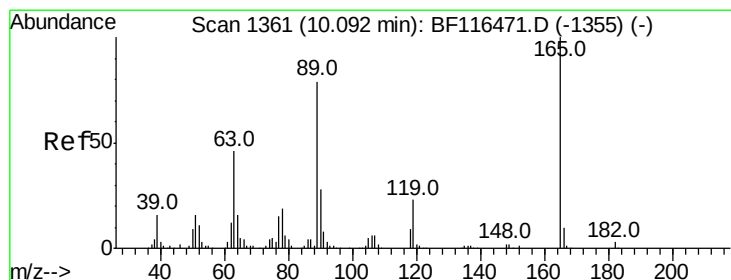
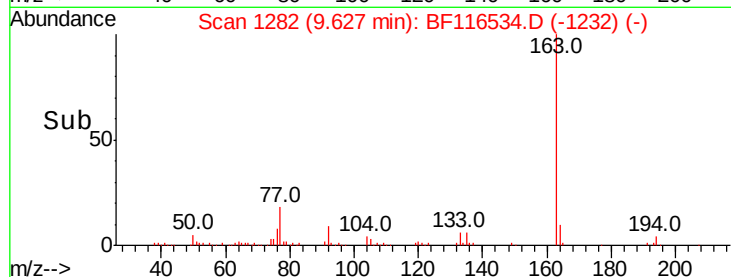
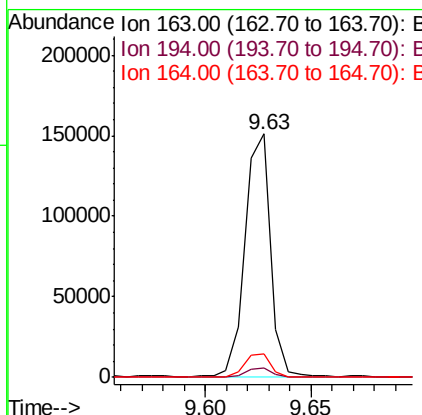
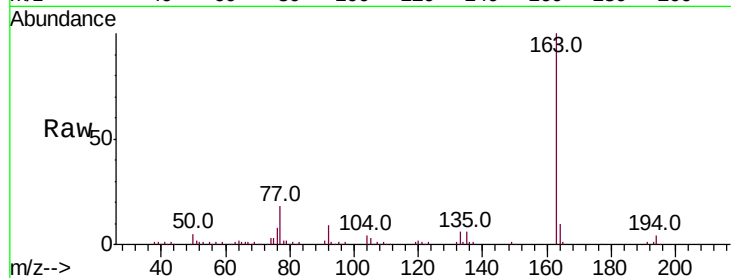




#50
Dimethylphthalate
Concen: 7.062 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

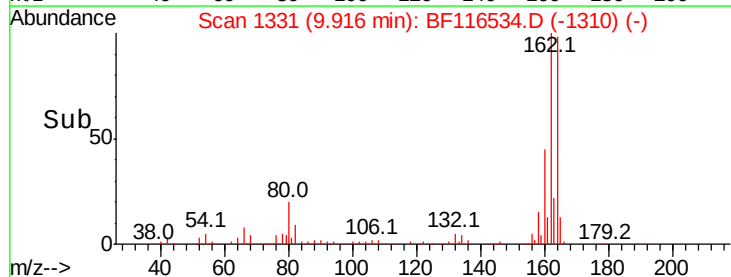
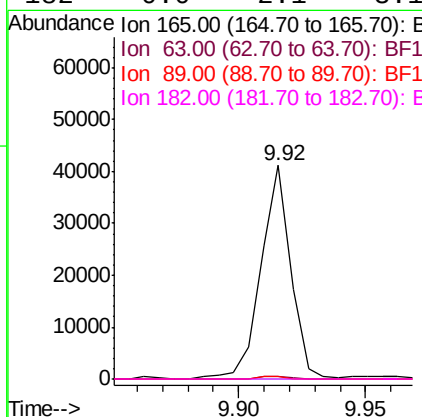
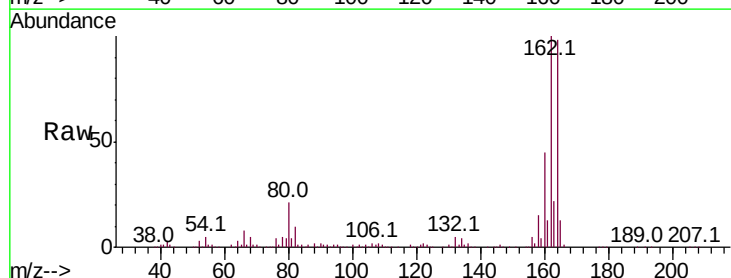
Instrument :
BNA_F
ClientSampleId :

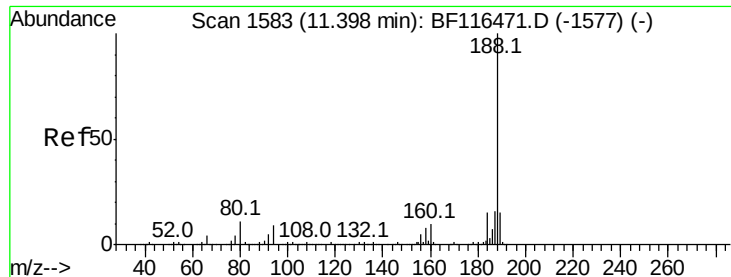
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.9	4.3
164	9.8	8.2	12.2



#57
2,4-Dinitrotoluene
Concen: 7.231 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.9	55.3#
89	1.4	63.4	95.0#
182	0.0	2.1	3.1#

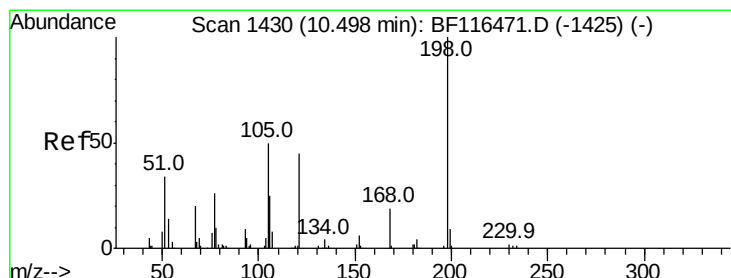
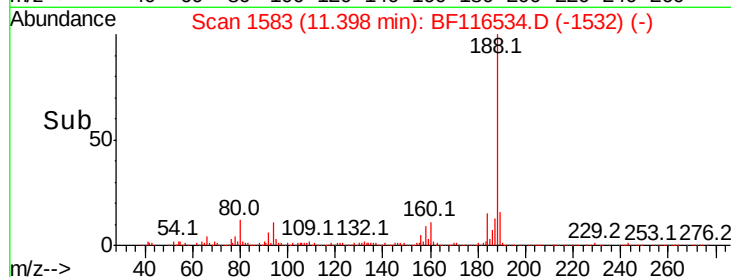
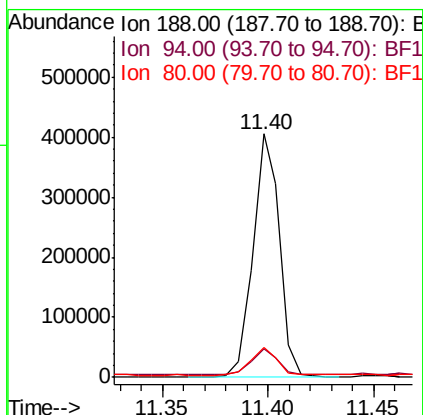
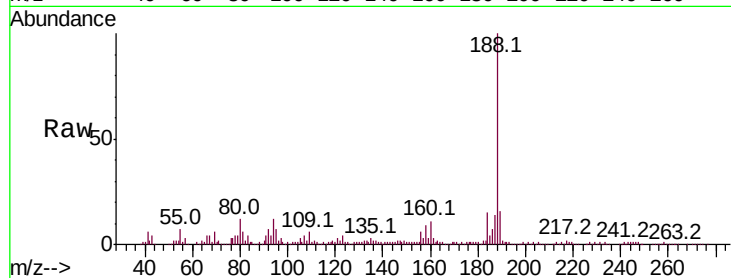




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

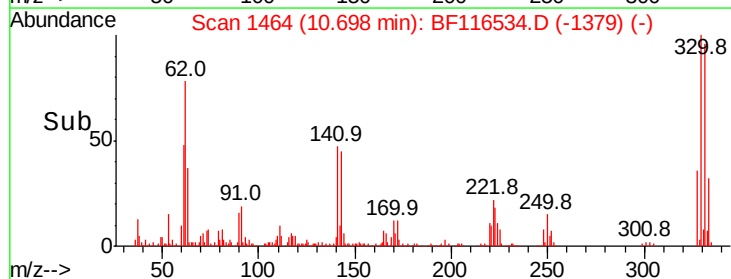
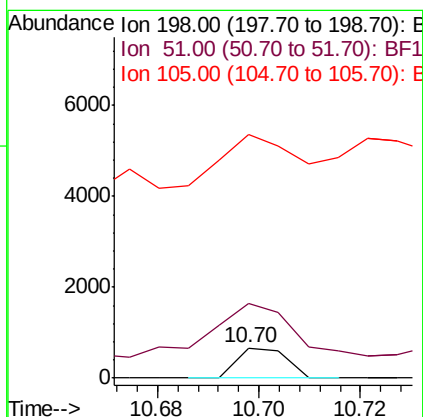
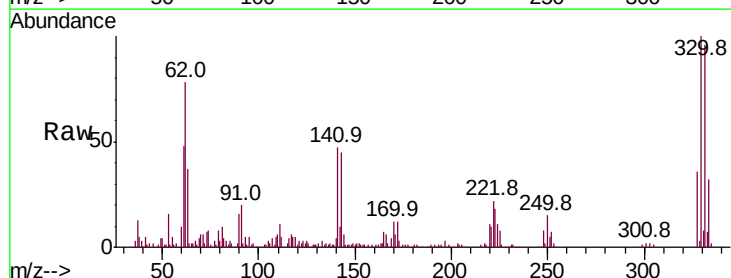
Instrument :
BNA_F
ClientSampled :

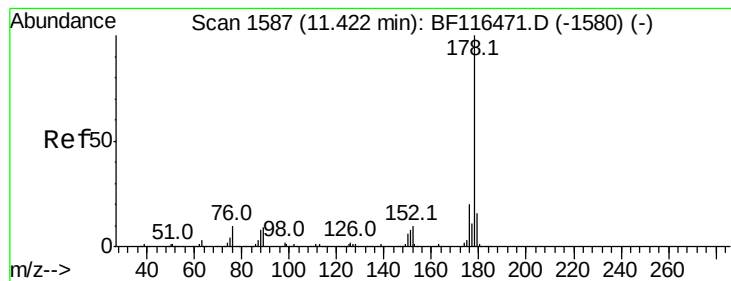
Tot Ion:188 Resp: 350326
Ion Ratio Lower Upper
188 100
94 11.9 7.4 11.2#
80 12.2 8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 7.270 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

Tgt Ion:198 Resp: 445
Ion Ratio Lower Upper
198 100
51 246.2 30.4 70.4#
105 807.2 32.8 72.8#





#71

Phenanthrene

Concen: 2.923 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

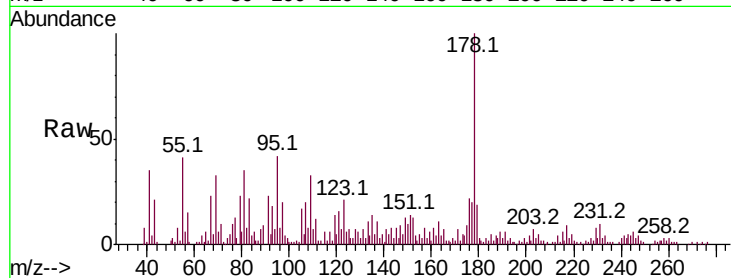
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 55781

Ion	Ratio	Lower	Upper
178	100		
176	22.3	15.8	23.6
179	19.0	12.8	19.2

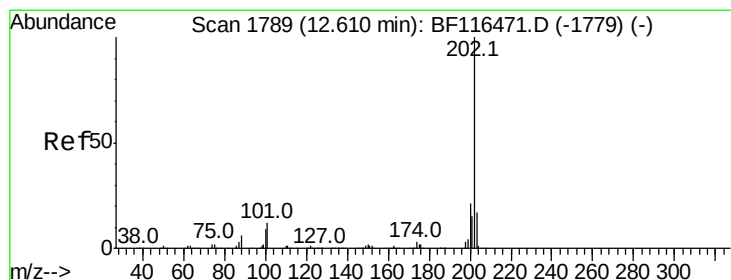
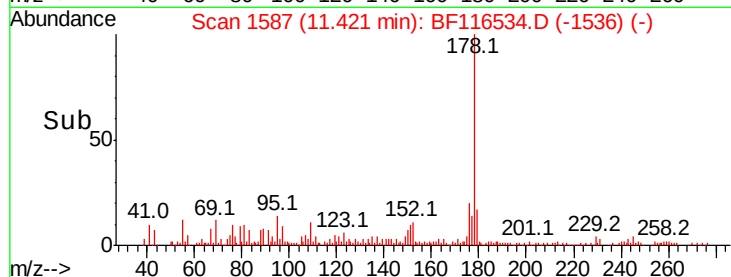
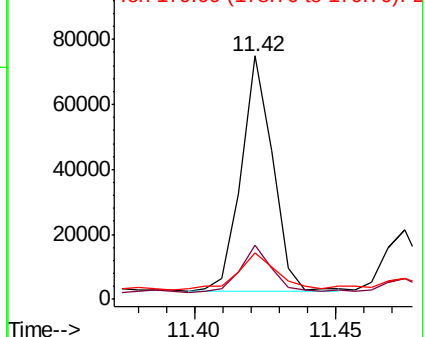


Abundance

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: 5.073 ng

RT: 12.61 min Scan# 1789

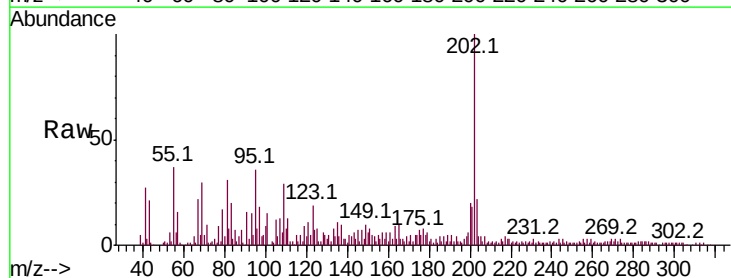
Delta R.T. -0.00 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Tgt Ion:202 Resp: 100100

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	31.5
203	21.8	0.0	37.5

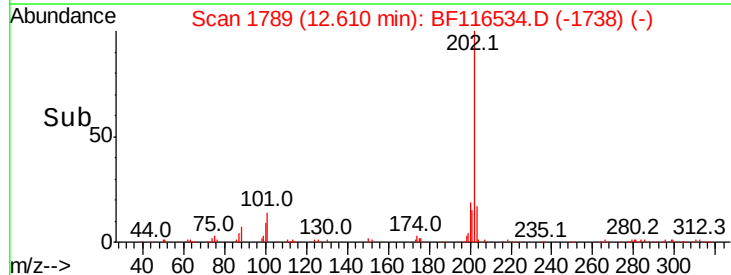
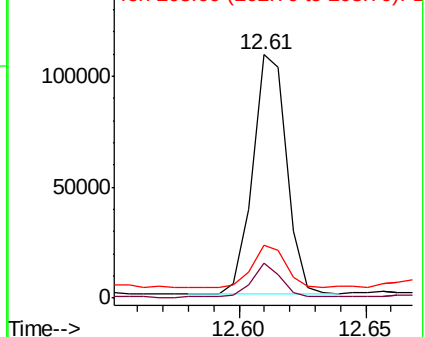


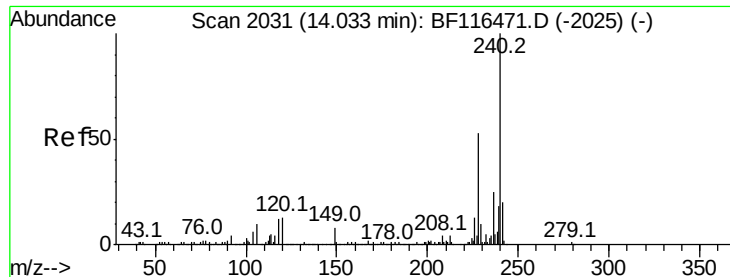
Abundance

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

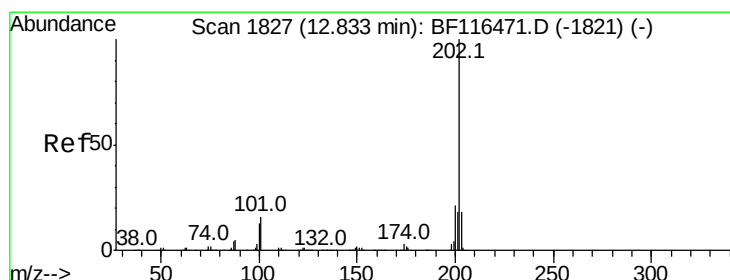
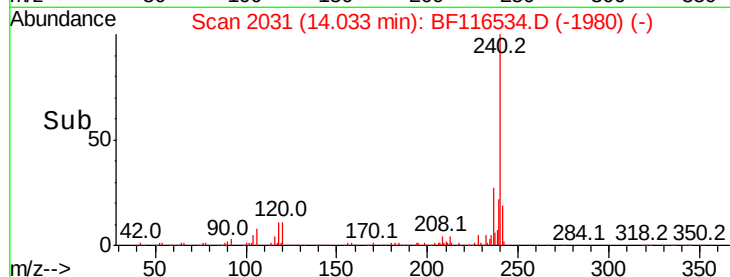
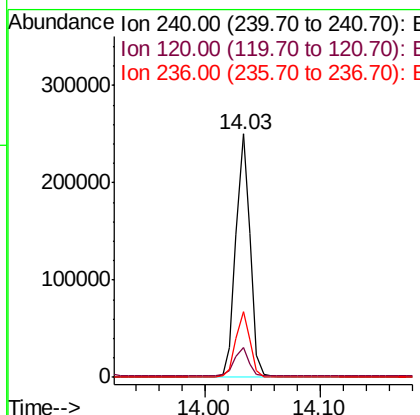
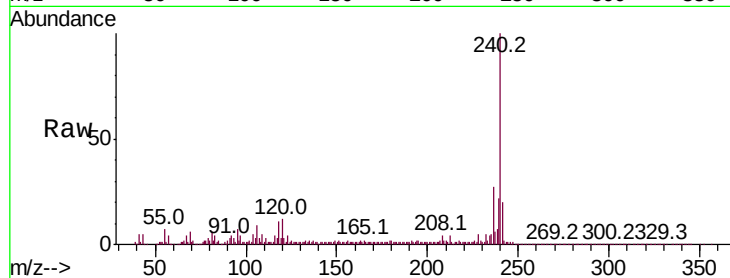




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

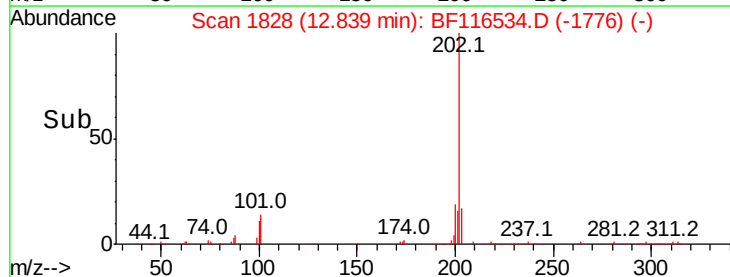
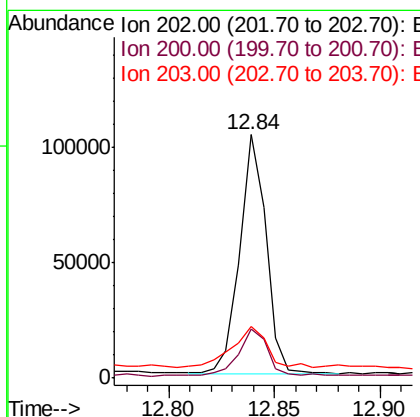
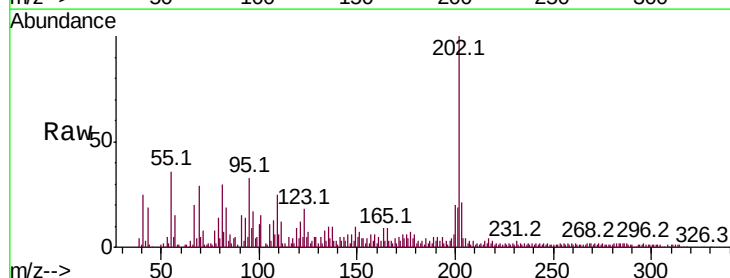
Instrument :
BNA_F
ClientSampleId :

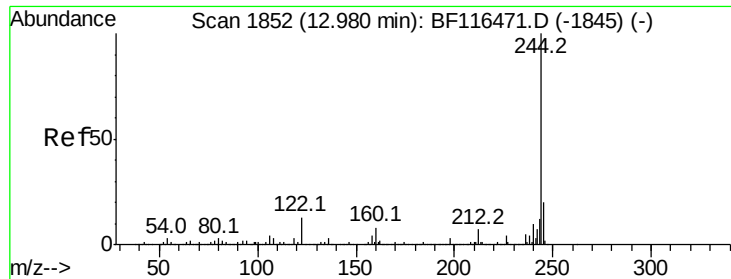
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.5	15.7
236	26.9	20.2	30.2



#78
Pyrene
Concen: 5.260 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	21.1	14.2	21.4





#79

Terphenyl-d14

Concen: 92.378 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.01 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Instrument :

BNA_F

ClientSampleId :

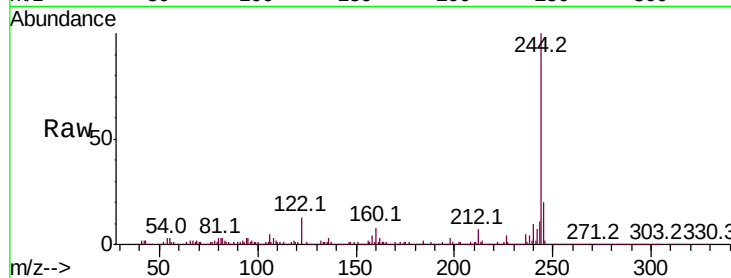
Tot Ion:244 Resp: 1057034

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

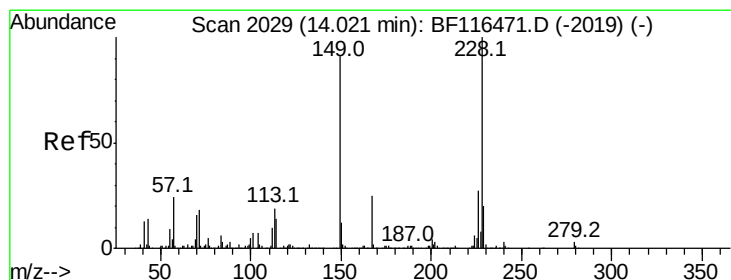
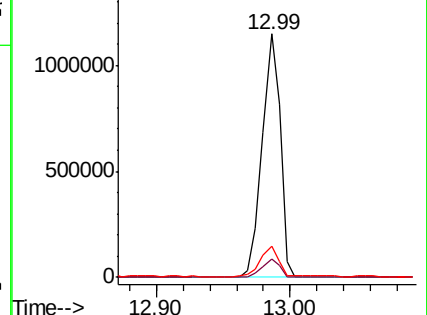
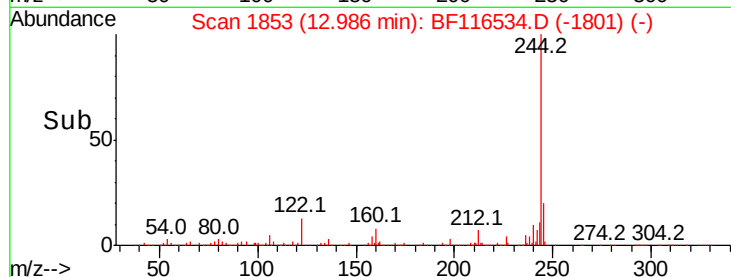
122 13.0 10.2 15.4



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: 3.431 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

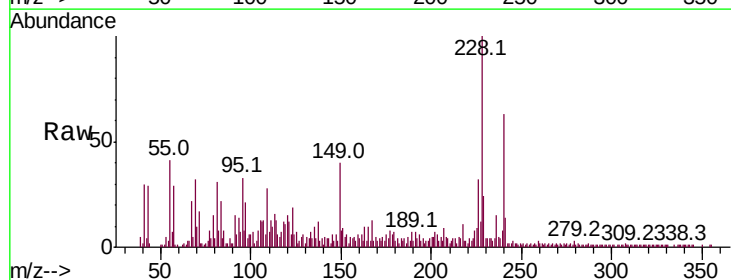
Tgt Ion:228 Resp: 47489

Ion Ratio Lower Upper

228 100

226 32.1 21.8 32.6

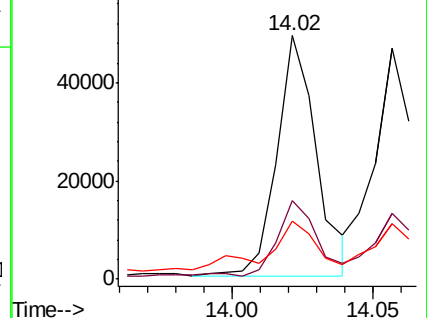
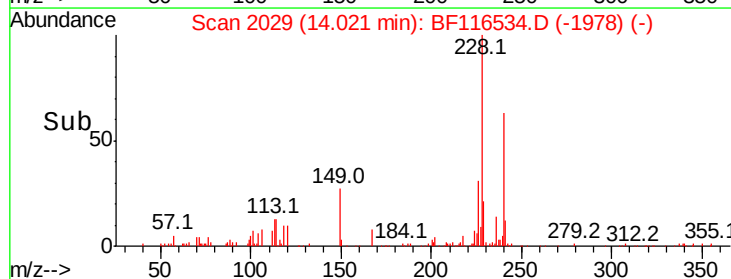
229 23.9 15.9 23.9#

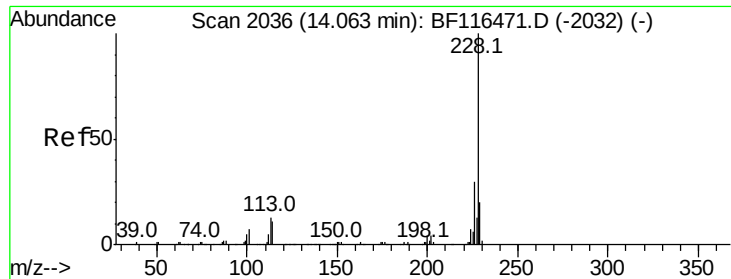


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.037 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Instrument :

BNA_F

ClientSampleId :

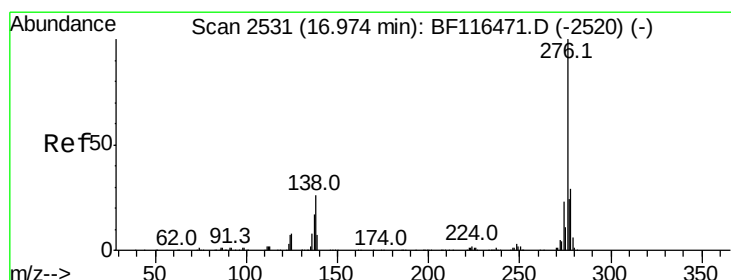
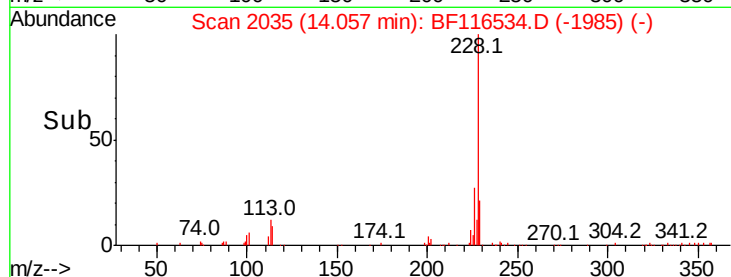
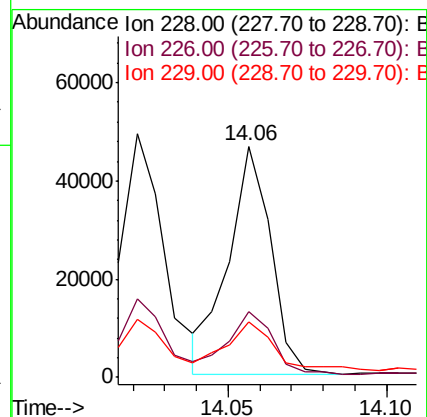
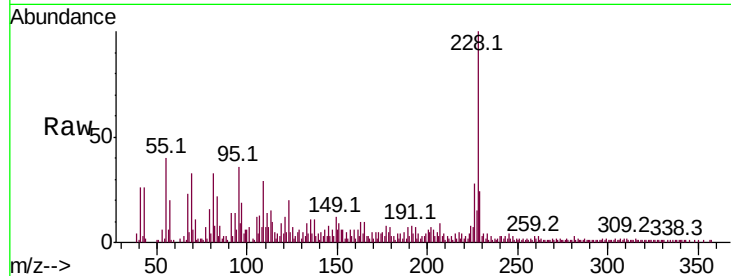
Tot Ion:228 Resp: 42612

Ion Ratio Lower Upper

228 100

226 28.4 24.2 36.2

229 24.1 15.8 23.6#



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.919 ng

RT: 16.96 min Scan# 2528

Delta R.T. -0.02 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

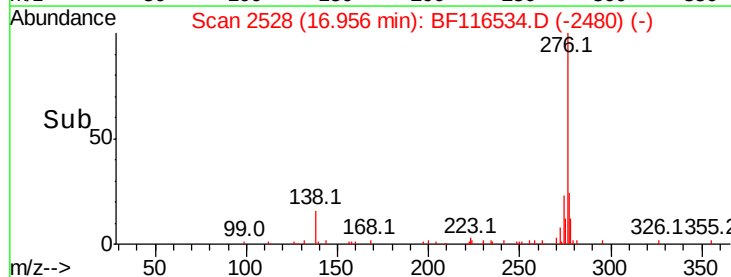
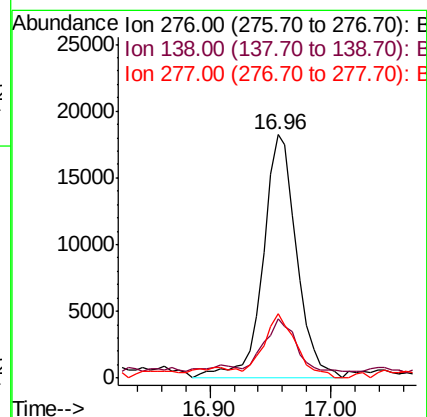
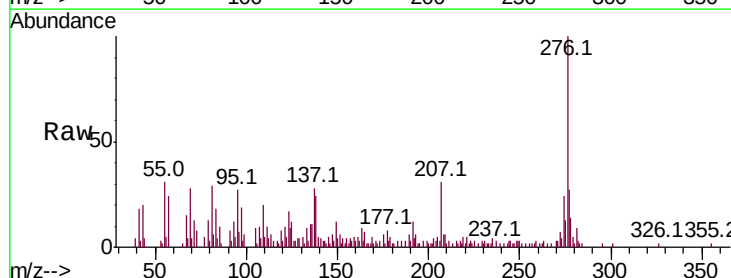
Tgt Ion:276 Resp: 35083

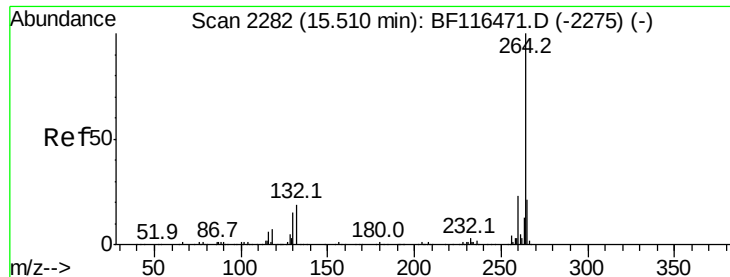
Ion Ratio Lower Upper

276 100

138 19.9 22.9 34.3#

277 25.7 19.9 29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

Instrument :

BNA_F

ClientSampled :

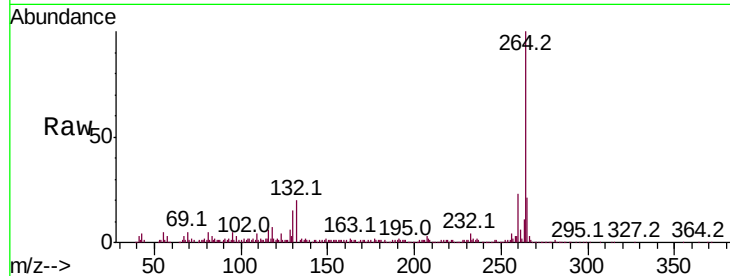
Tot Ion:264 Resp: 235499

Ion Ratio Lower Upper

264 100

260 23.2 18.8 28.2

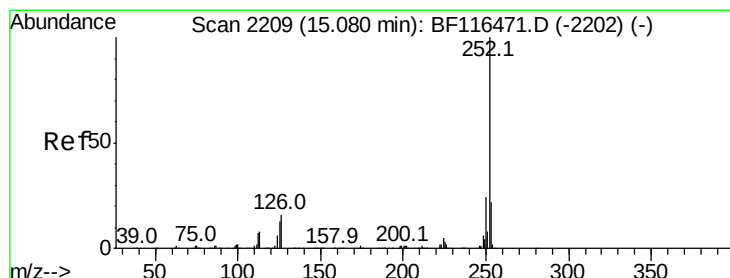
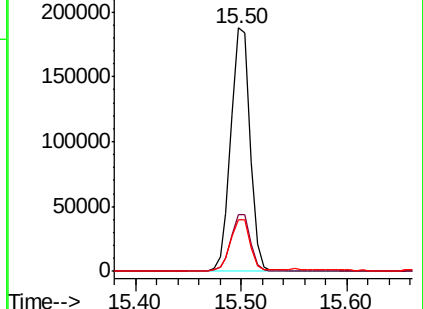
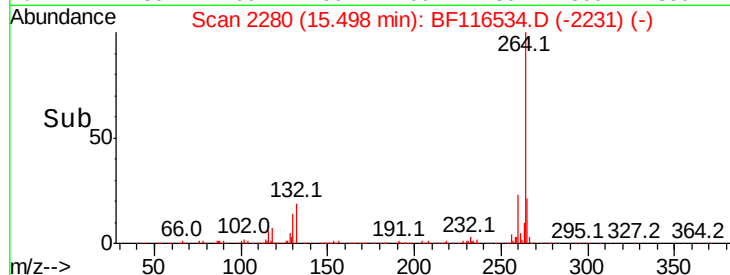
265 21.3 17.1 25.7



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: 5.639 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF116534.D

Acq: 25 Aug 2019 16:14

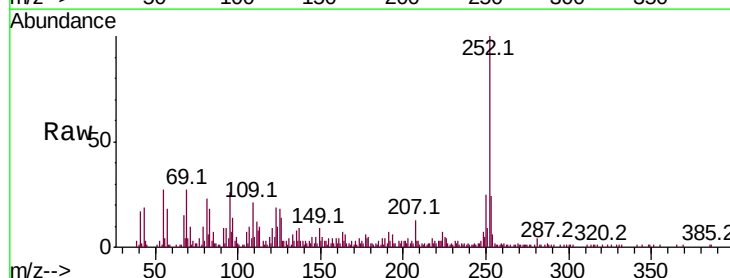
Tgt Ion:252 Resp: 82033

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

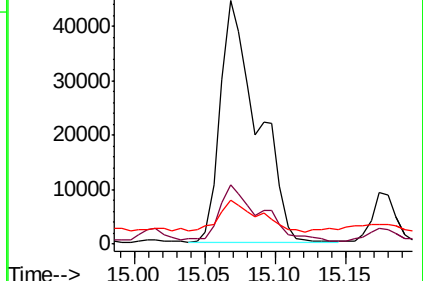
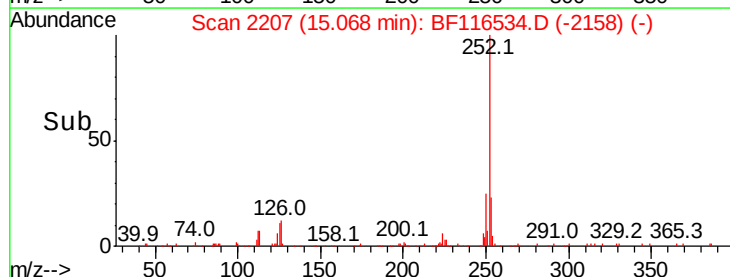
125 18.2 10.1 15.1#

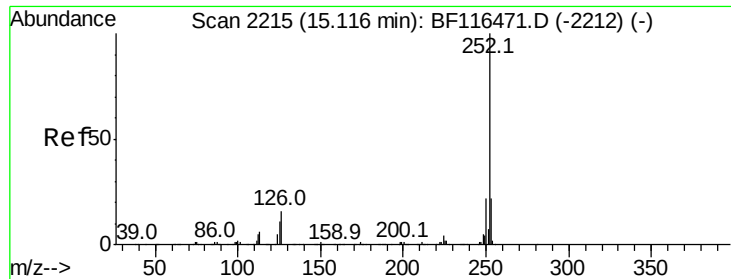


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

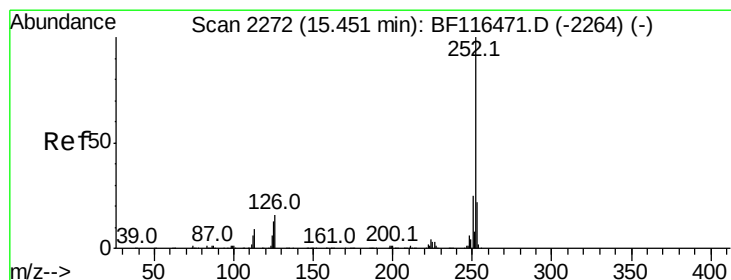
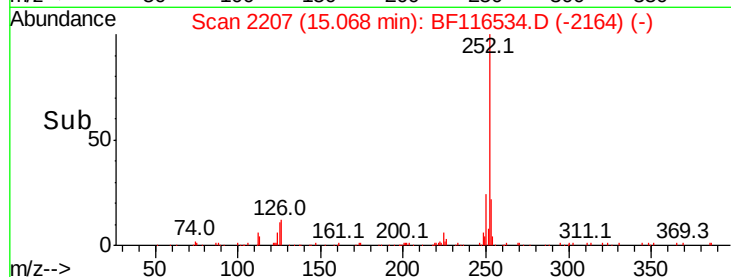
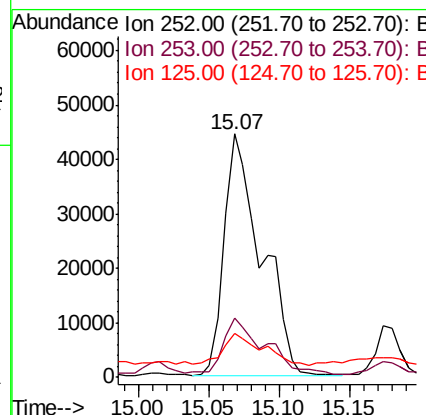
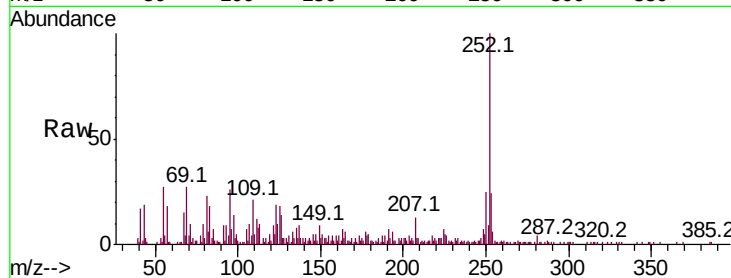




#89
Benzo(k)fluoranthene
Concen: 6.224 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.05 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

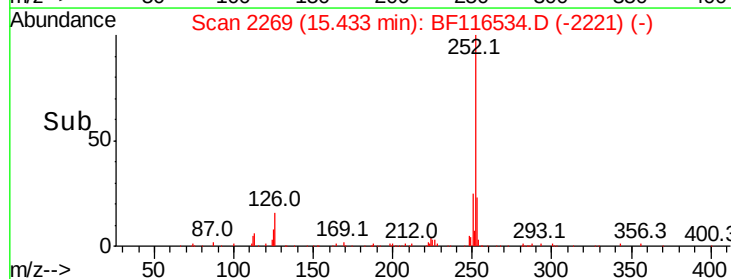
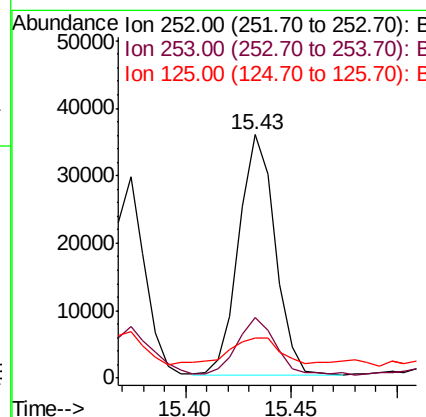
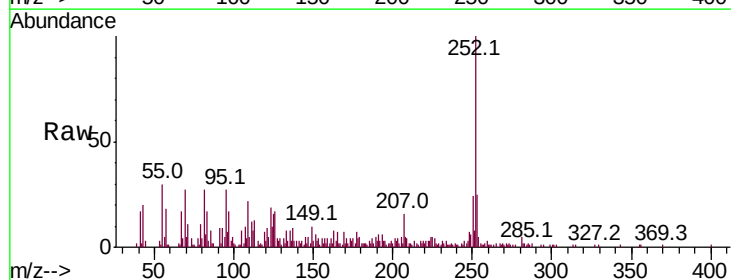
Instrument :
BNA_F
ClientSampled :

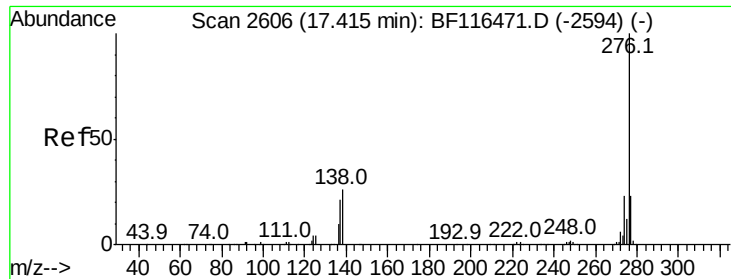
Tot Ion:252 Resp: 82033
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.2
125 18.2 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 3.324 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116534.D
Acq: 25 Aug 2019 16:14

Tgt Ion:252 Resp: 42738
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 16.3 10.2 15.4#





#92
 Benzo(a,h,i)perylene
 Concen: 3.271 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BF116534.D
 Acq: 25 Aug 2019 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 32946
 Ion Ratio Lower Upper
 276 100
 277 25.5 18.7 28.1
 138 26.0 20.8 31.2

