

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116537.D
 Acq On : 25 Aug 2019 17:36
 Operator : HP/JU
 Sample : K4474-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

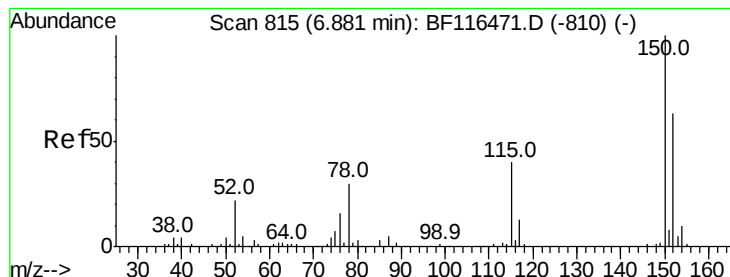
Quant Time: Aug 26 06:29:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	153267	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	576313	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	267841	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	383167	20.00	ng	0.00
76) Chrysene-d12	14.03	240	223252	20.00	ng	0.00
87) Perylene-d12	15.50	264	231674	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	848504	80.89	ng	0.01
7) Phenol-d6	6.51	99	1121209	87.17	ng	0.00
23) Nitrobenzene-d5	7.44	82	698163	66.28	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	175502	76.31	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1083372	65.14	ng	0.00
79) Terphenyl-d14	12.98	244	750855	62.82	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.44	70	94536	10.772	ng	# 78
25) Isophorone	7.44	82	695800	33.518	ng	# 67
50) Dimethylphthalate	9.62	163	118428	6.337	ng	99
57) 2,4-Dinitrotoluene	9.92	165	34885	7.167	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	434	7.241	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	11253	2.801	ng	# 1
75) Fluoranthene	12.60	202	60132	2.786	ng	95
78) Pyrene	12.83	202	56872	3.185	ng	98
81) Benzo(a)anthracene	14.02	228	28973	2.004	ng	# 91
88) Benzo(b)fluoranthene	15.07	252	46455	3.246	ng	# 91
89) Benzo(k)fluoranthene	15.07	252	46455	3.583	ng	# 90

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

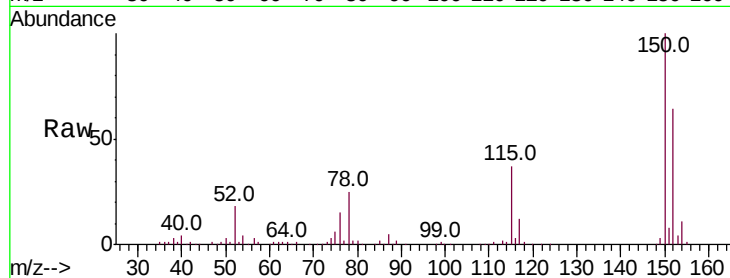


#1

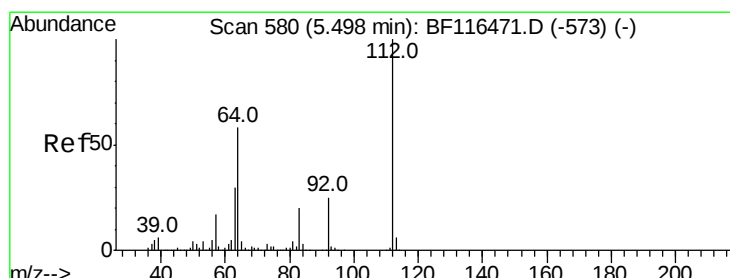
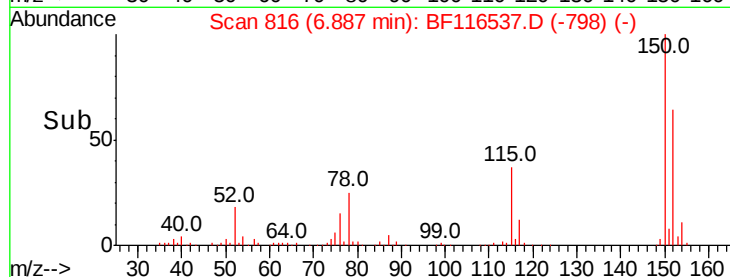
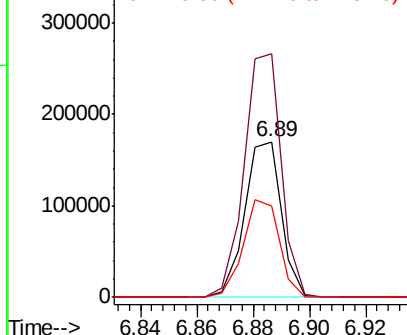
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116537.D
Acq: 25 Aug 2019 17:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.7	190.1
115	58.5	50.9	76.3



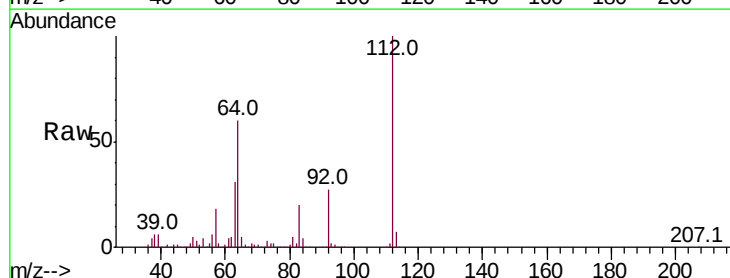
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



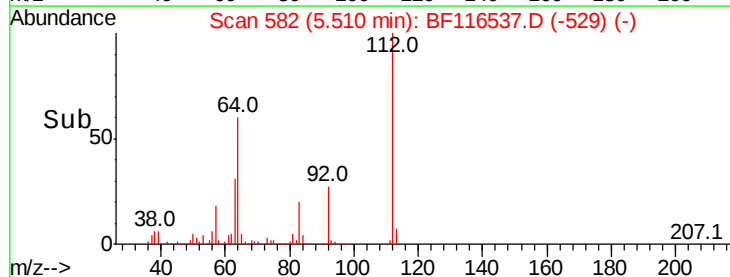
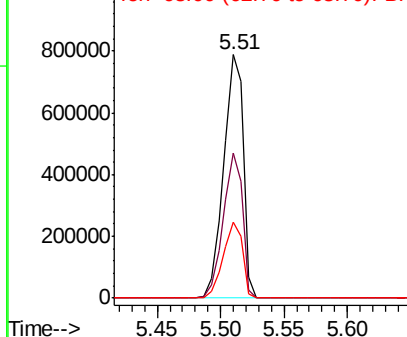
#5

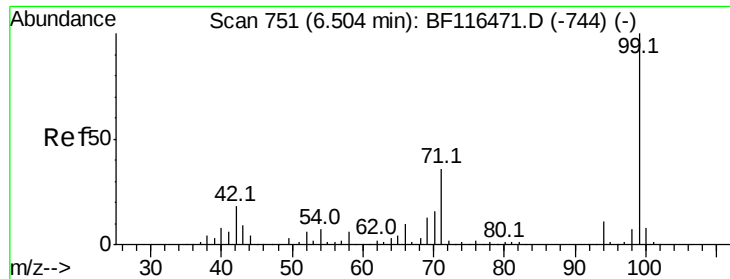
2-Fluorophenol
Concen: 80.891 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF116537.D
Acq: 25 Aug 2019 17:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	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: 87.174 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

Instrument :

BNA_F

ClientSampleId :

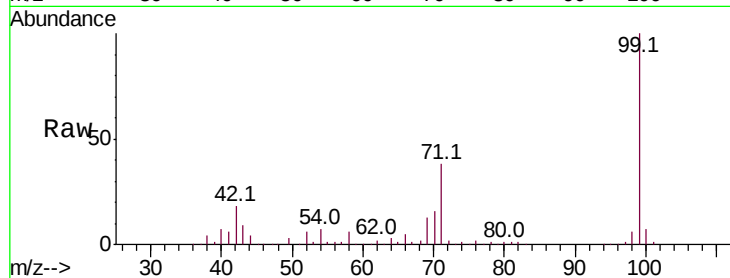
Tot Ion: 99 Resp: 1121209

Ion Ratio Lower Upper

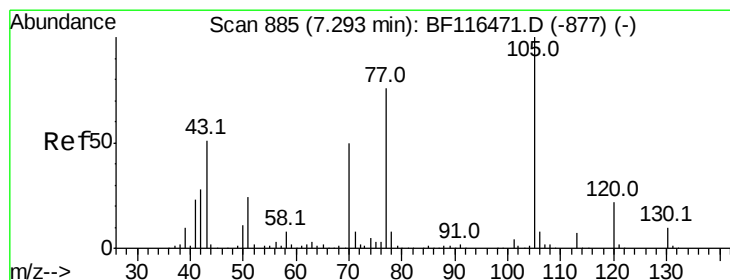
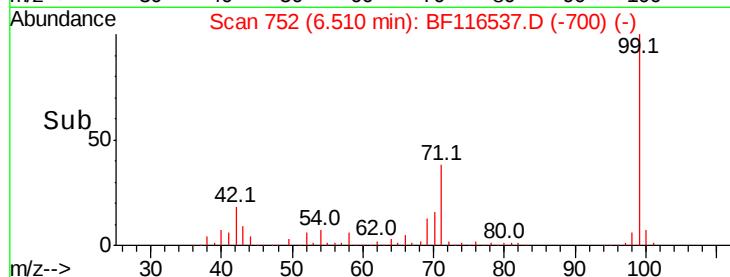
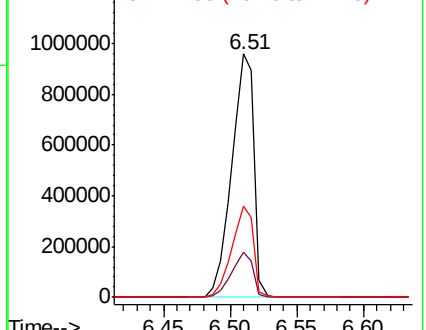
99 100

42 18.4 14.6 21.8

71 37.7 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: 10.772 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

Tgt Ion: 70 Resp: 94536

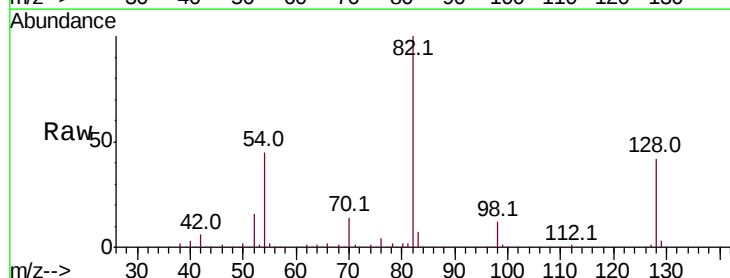
Ion Ratio Lower Upper

70 100

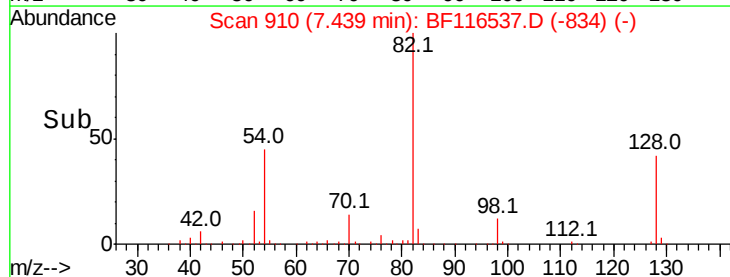
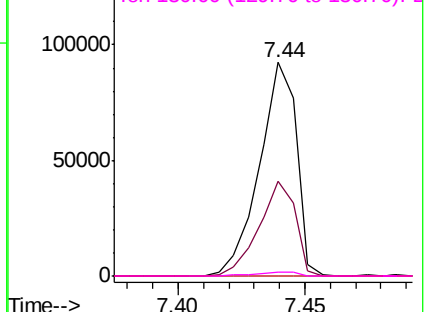
42 44.1 44.4 66.6#

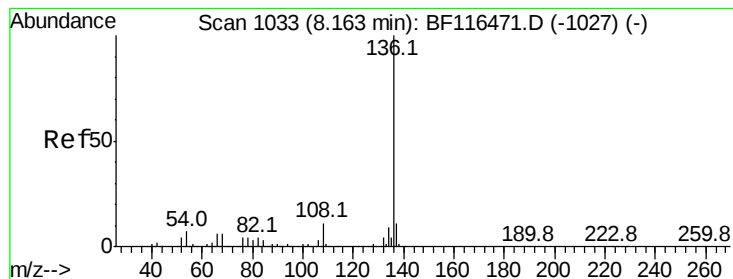
101 0.0 7.1 10.7#

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: BF116537.D

Acq: 25 Aug 2019 17:36

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 576313

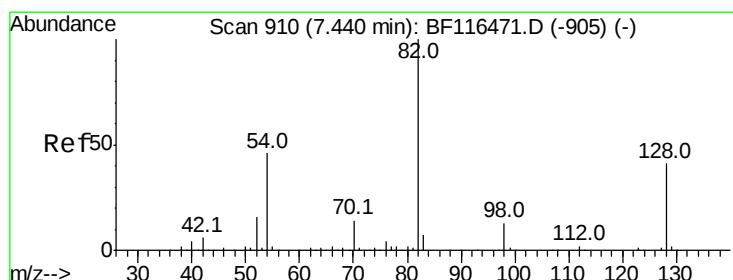
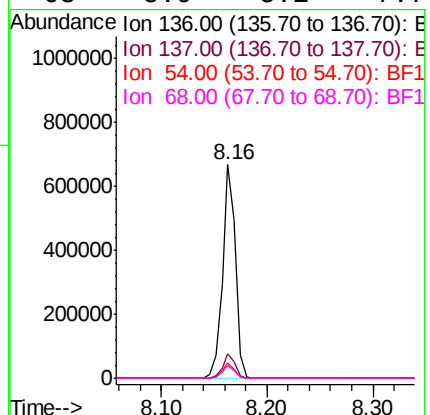
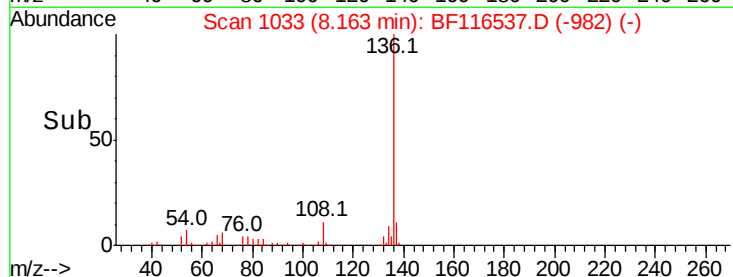
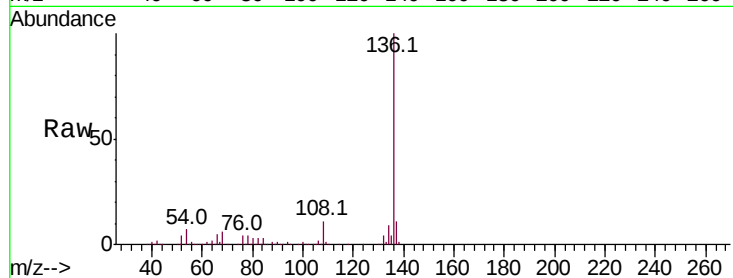
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.3 5.8 8.6

68 5.9 5.1 7.7



#23

Nitrobenzene-d5

Concen: 66.277 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

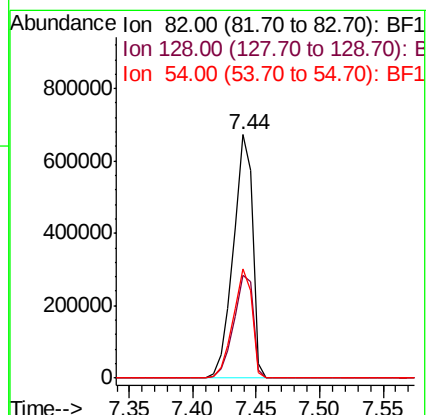
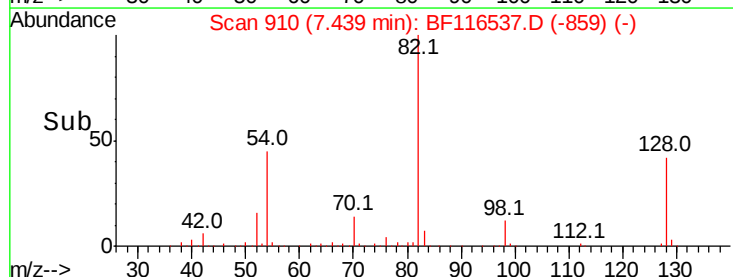
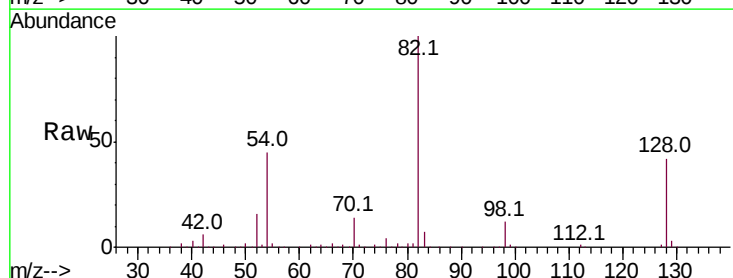
Tgt Ion: 82 Resp: 698163

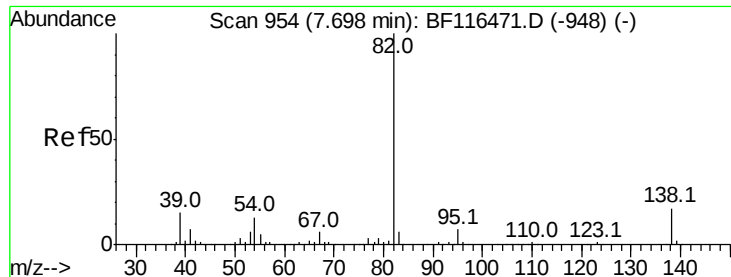
Ion Ratio Lower Upper

82 100

128 42.2 32.2 48.4

54 45.0 36.5 54.7





#25

Isophorone

Concen: 33.518 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

Instrument :

BNA_F

ClientSampleId :

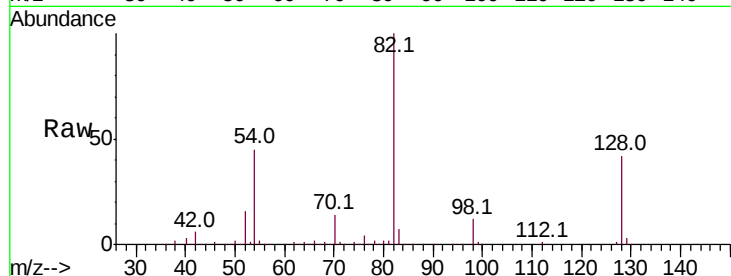
Tot Ion: 82 Resp: 695800

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

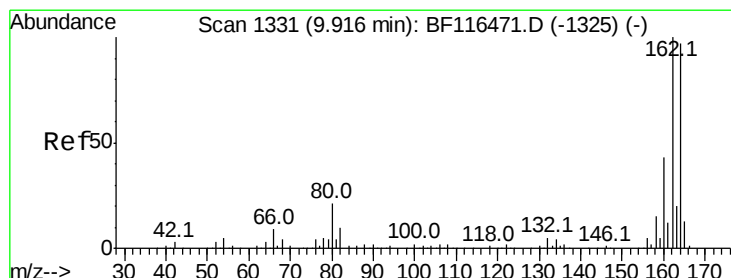
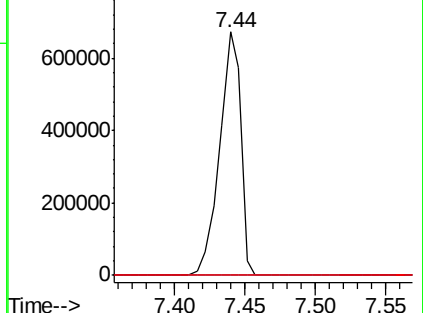
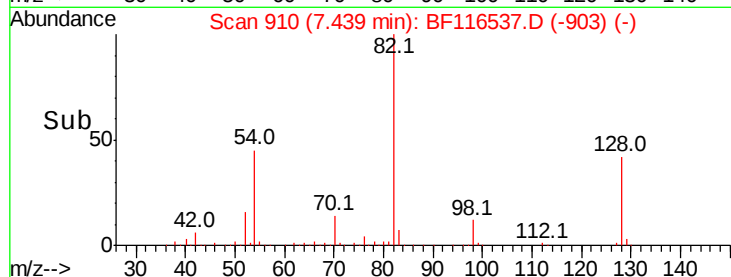
138 0.0 13.3 19.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

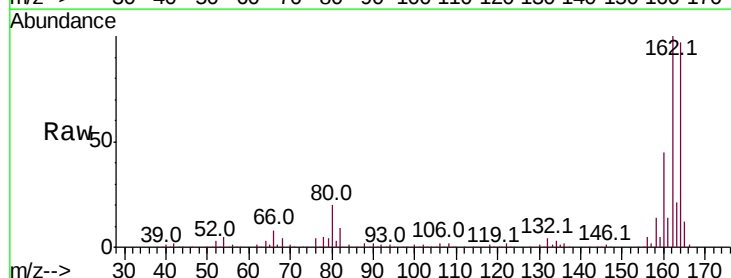
Tgt Ion:164 Resp: 267841

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

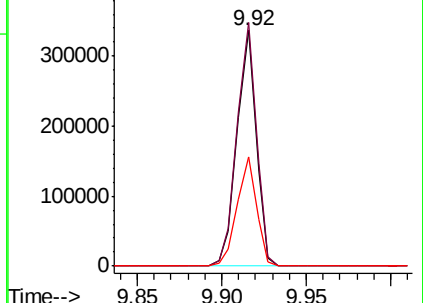
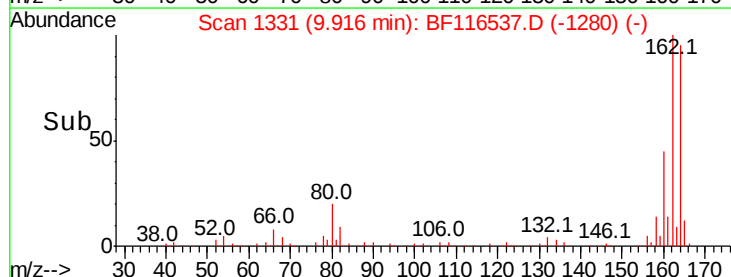
160 46.3 35.8 53.8

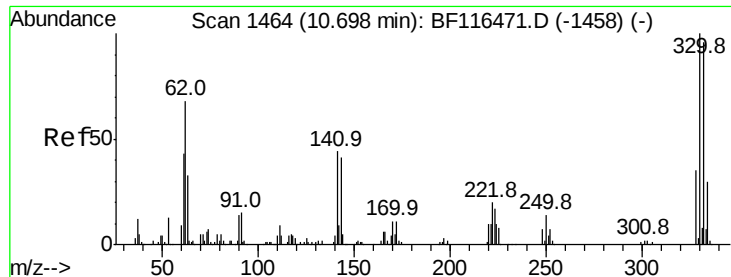


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

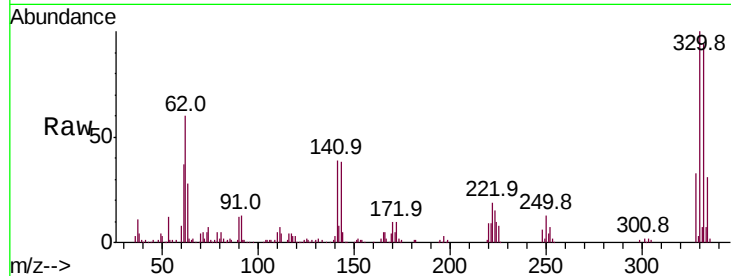




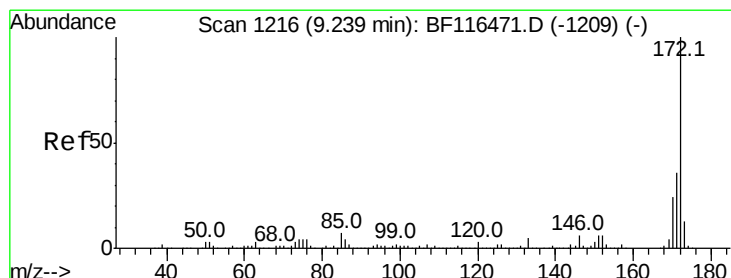
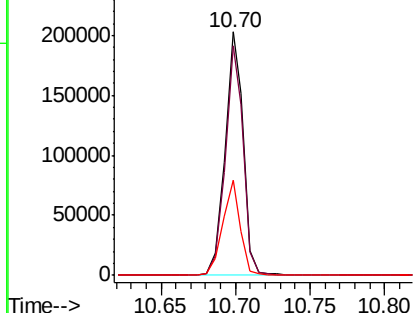
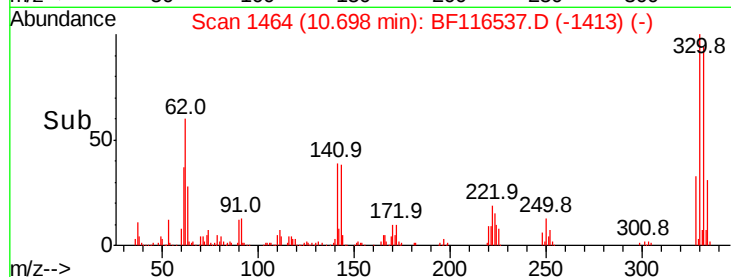
#42
 2,4,6-Tribromophenol
 Concen: 76.309 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.5	77.2	115.8
141	37.5	33.3	49.9

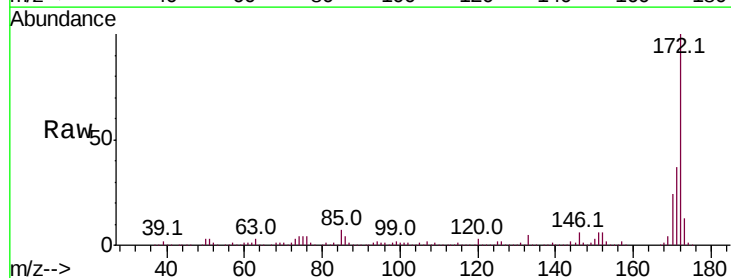


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

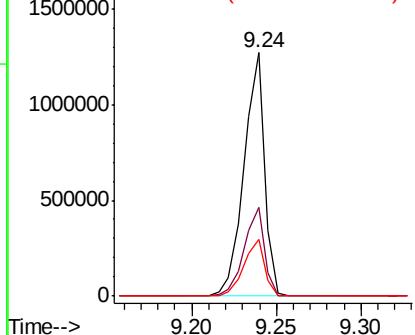
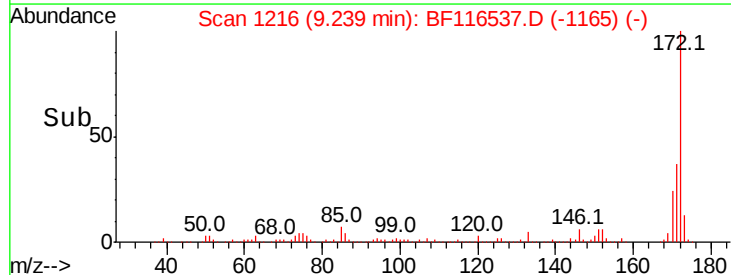


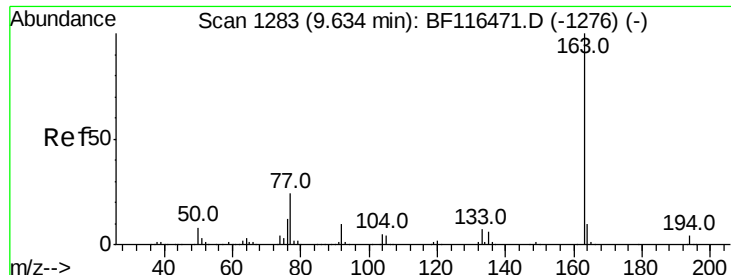
#45
 2-Fluorobiphenyl
 Concen: 65.138 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.9	43.3
170	23.6	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

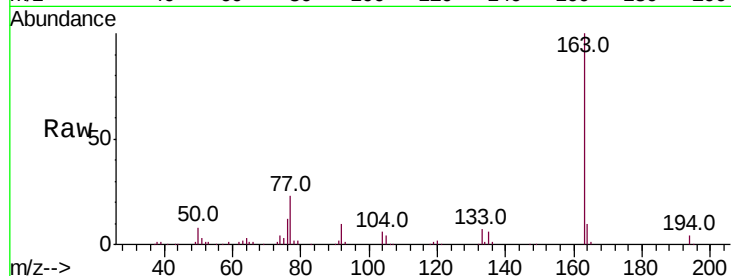




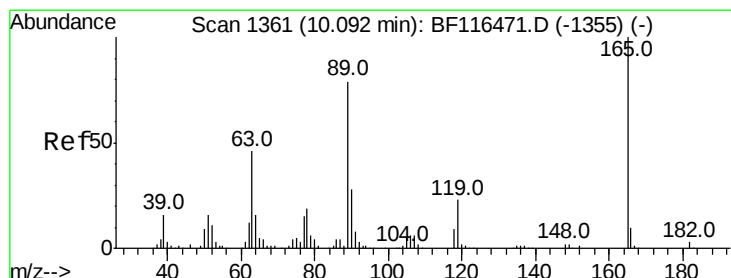
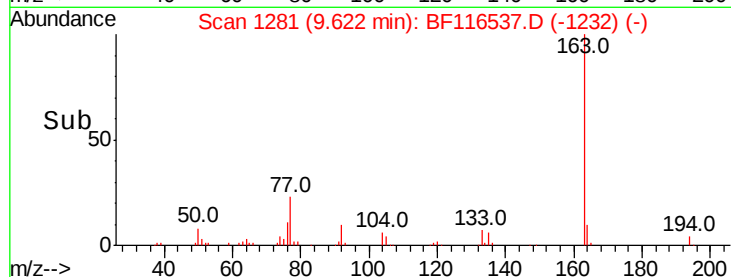
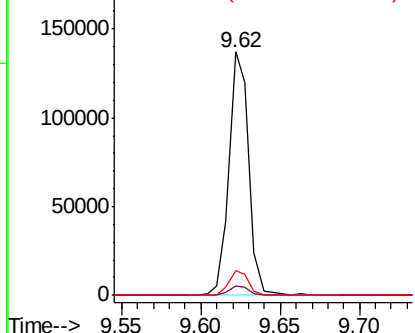
#50
Dimethylphthalate
Concen: 6.337 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116537.D
Acq: 25 Aug 2019 17:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 118428
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 10.0 8.2 12.2

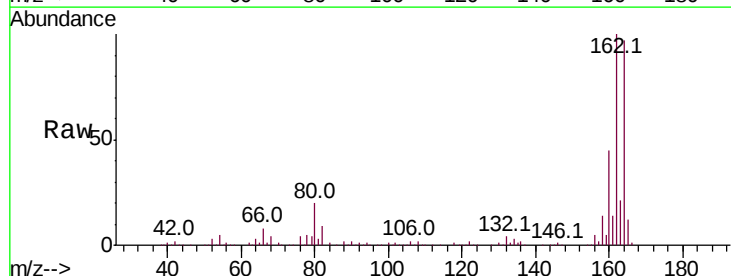


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

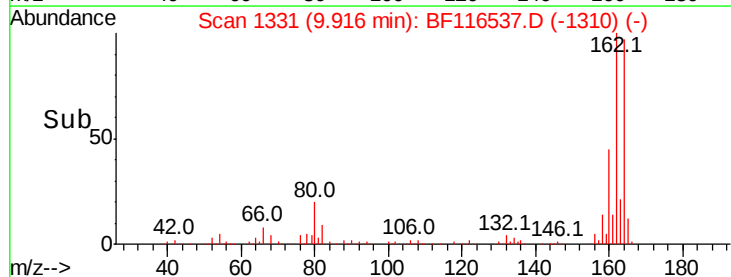
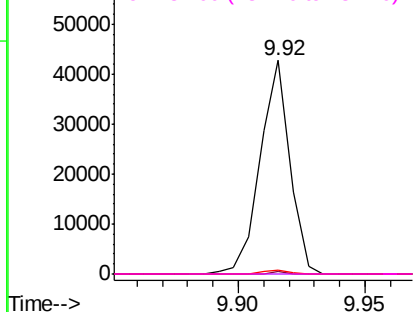


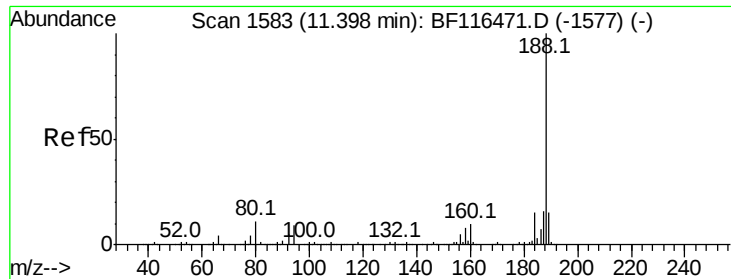
#57
2,4-Dinitrotoluene
Concen: 7.167 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116537.D
Acq: 25 Aug 2019 17:36

Tgt Ion:165 Resp: 34885
Ion Ratio Lower Upper
165 100
63 1.3 36.9 55.3#
89 1.7 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

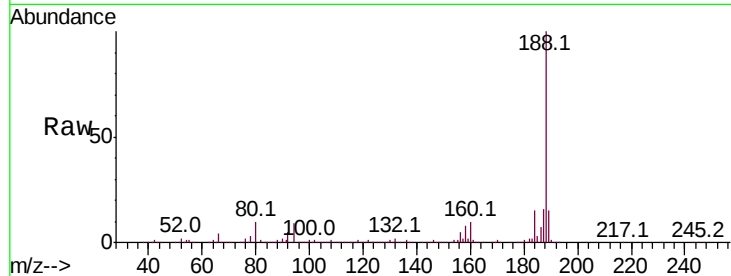




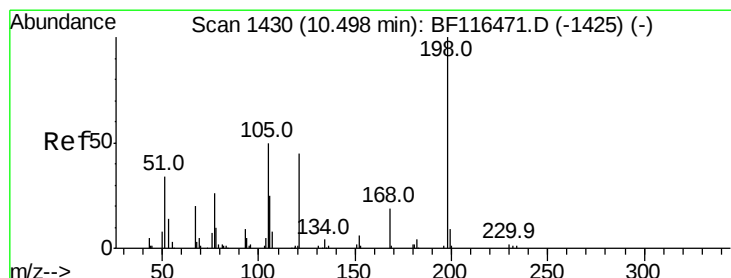
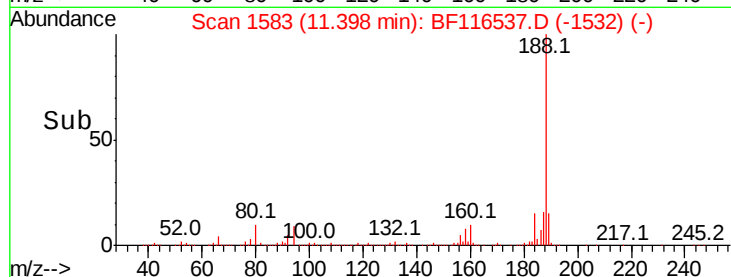
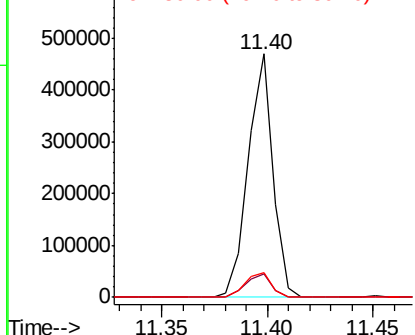
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 383167
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.4 11.2
 80 10.0 8.6 12.8

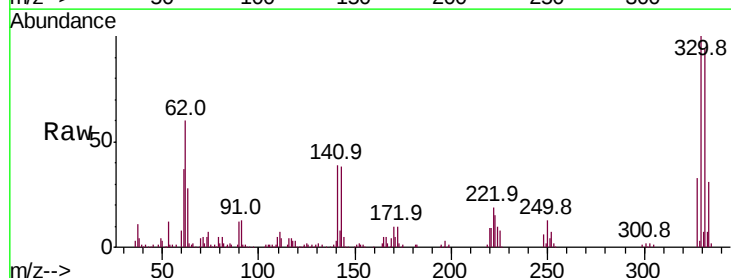


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

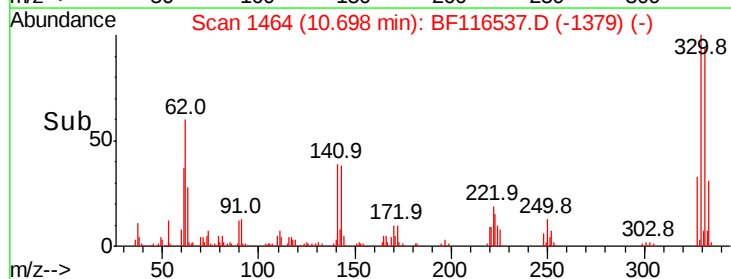
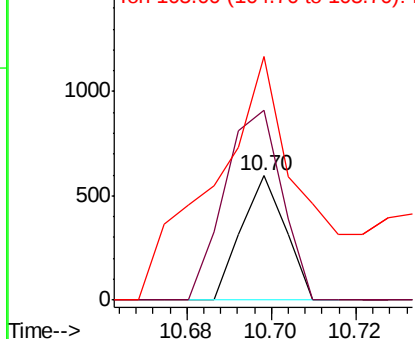


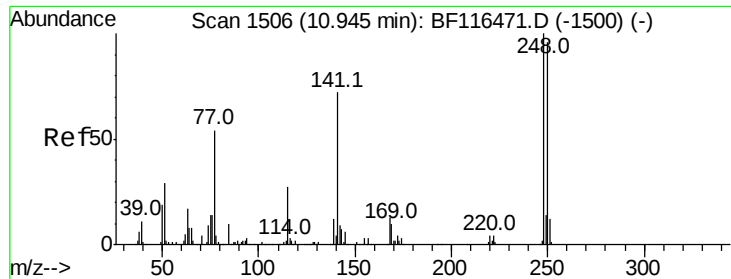
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.241 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.20 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Tgt Ion:198 Resp: 434
 Ion Ratio Lower Upper
 198 100
 51 152.9 30.4 70.4#
 105 196.0 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

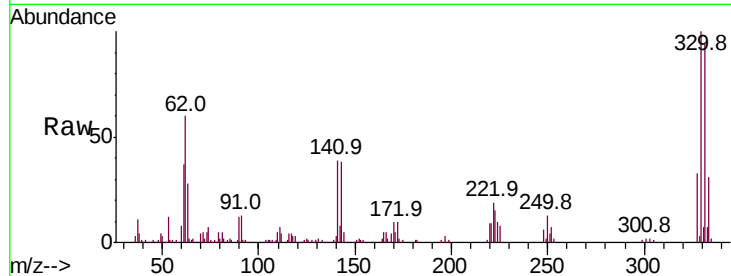




#67
 4-Bromophenyl-phenylether
 Concen: 2.801 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	200.7	77.0	115.6#
141	612.5	57.4	86.0#

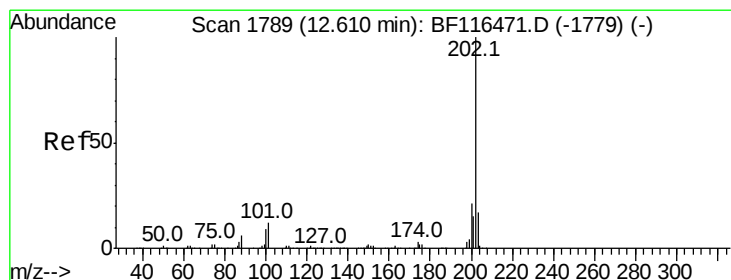
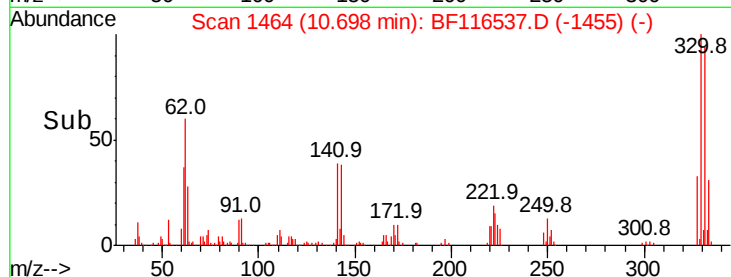
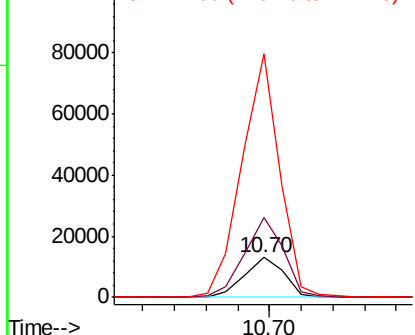


Abundance

Ion 248.00 (247.70 to 248.70): E

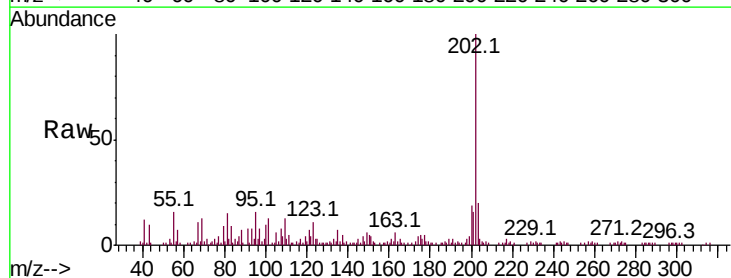
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
 Fluoranthene
 Concen: 2.786 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.01 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	31.5
203	19.8	0.0	37.5

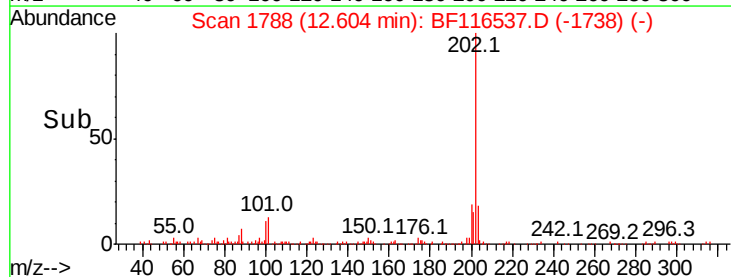
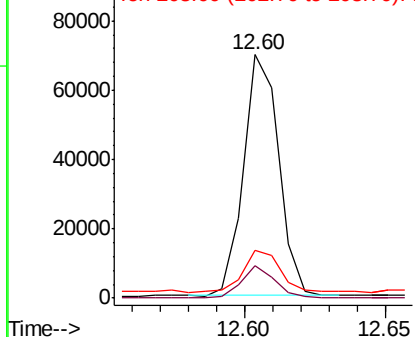


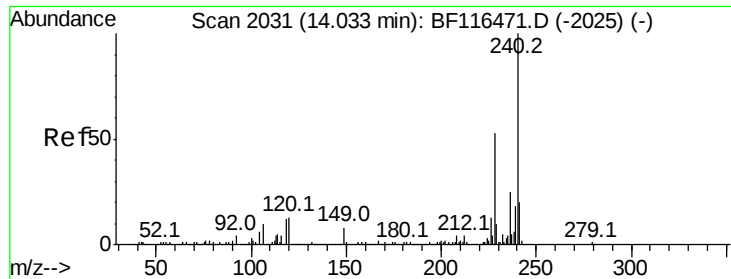
Abundance

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

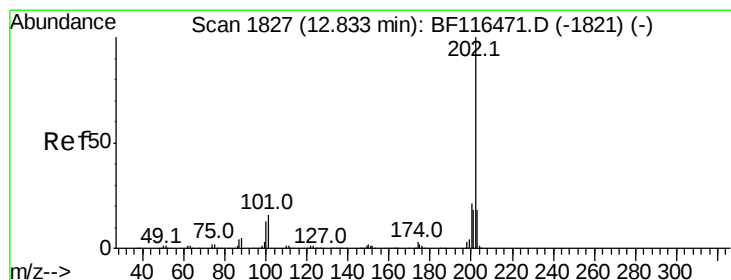
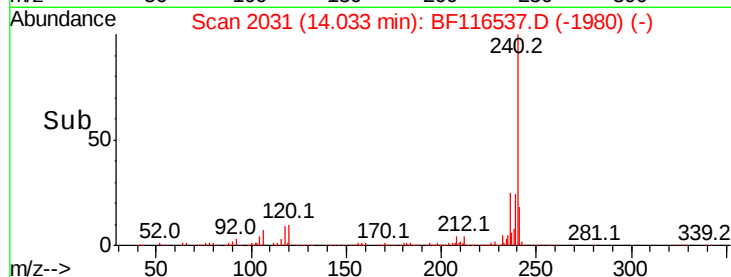
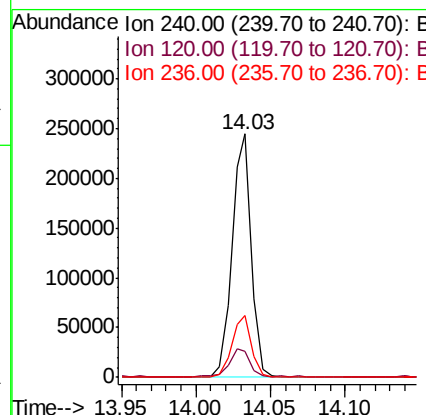
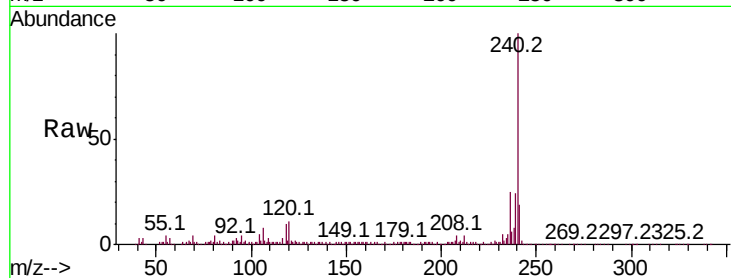




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF116537.D
Acq: 25 Aug 2019 17:36

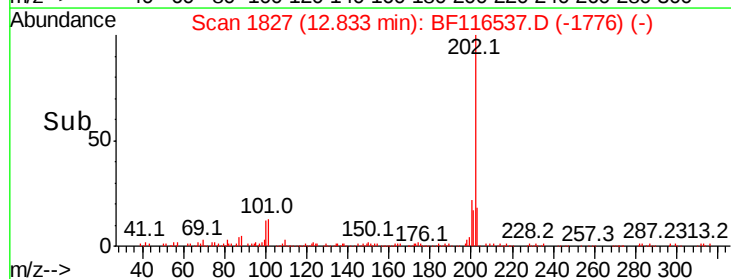
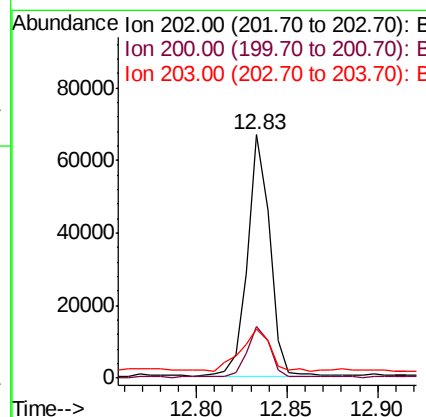
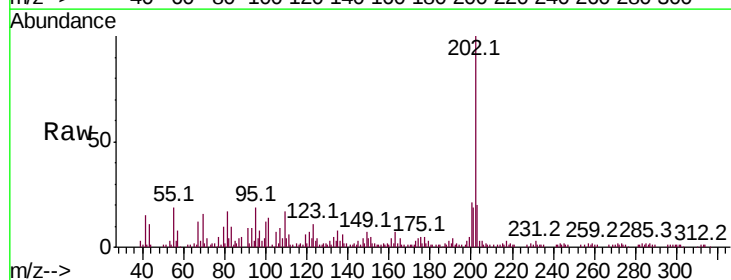
Instrument :
BNA_F
ClientSampleId :

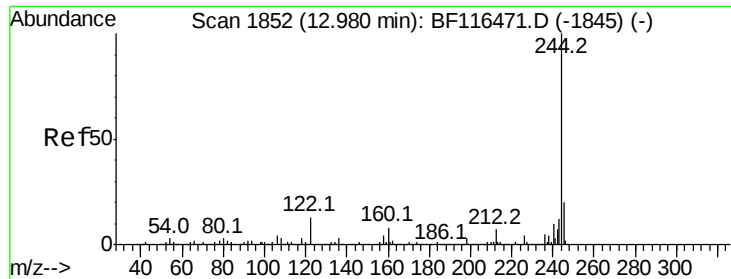
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.5	15.7
236	25.3	20.2	30.2



#78
Pyrene
Concen: 3.185 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF116537.D
Acq: 25 Aug 2019 17:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.9	14.2	21.4





#79

Terphenyl-d14

Concen: 62.822 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.00 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

Instrument :

BNA_F

ClientSampleId :

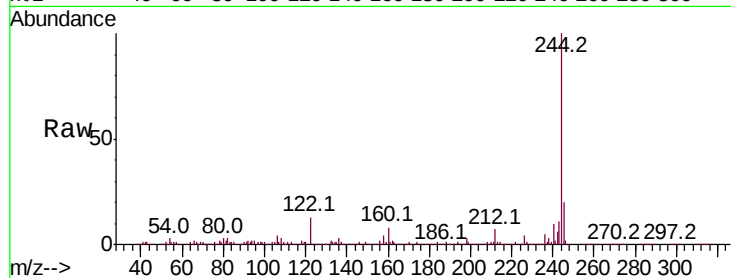
Tot Ion:244 Resp: 750855

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

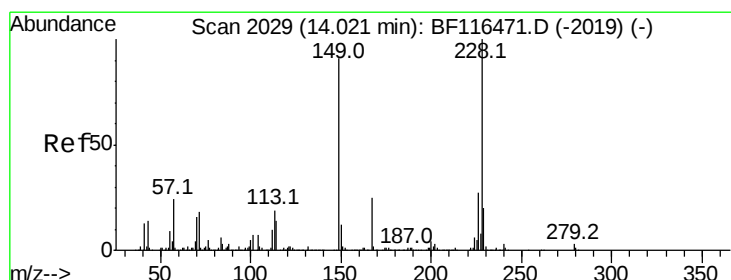
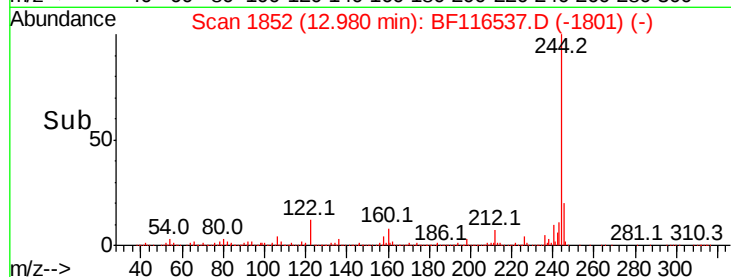
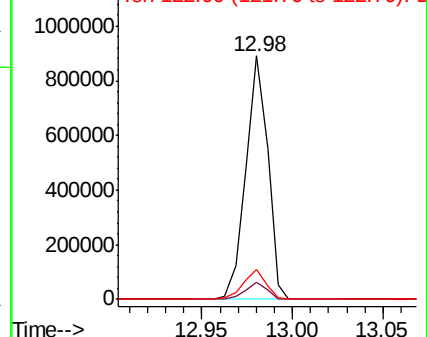
122 12.5 10.2 15.4



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: 2.004 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

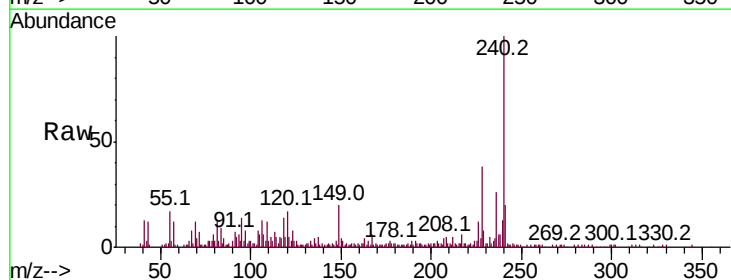
Tgt Ion:228 Resp: 28973

Ion Ratio Lower Upper

228 100

226 33.2 21.8 32.6#

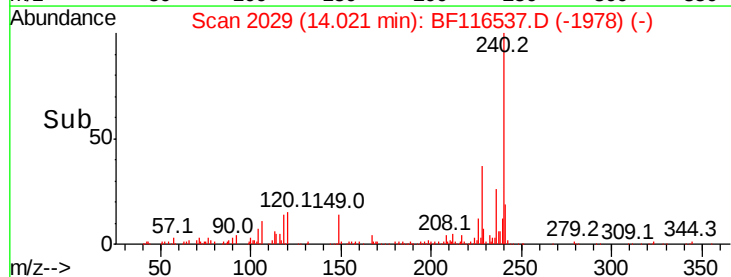
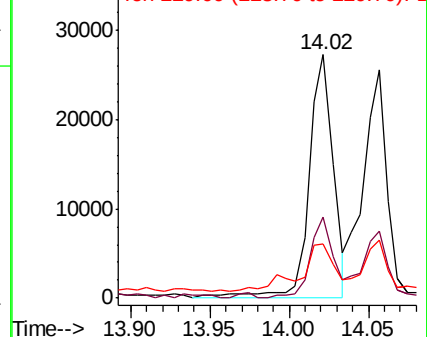
229 22.5 15.9 23.9

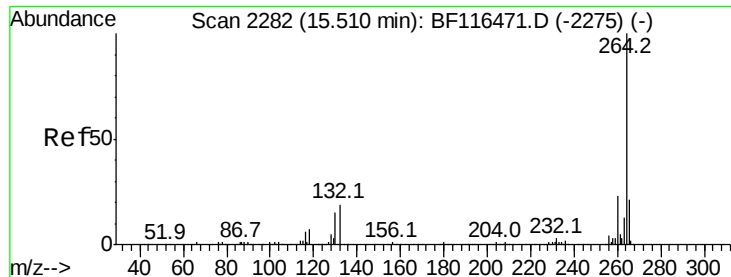


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

Instrument :

BNA_F

ClientSampleId :

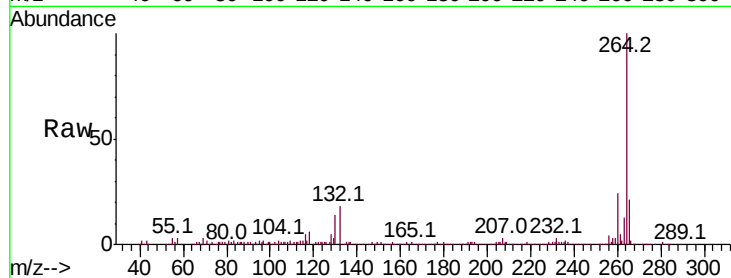
Tot Ion:264 Resp: 231674

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

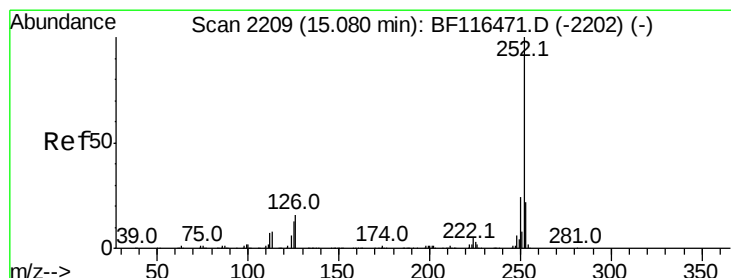
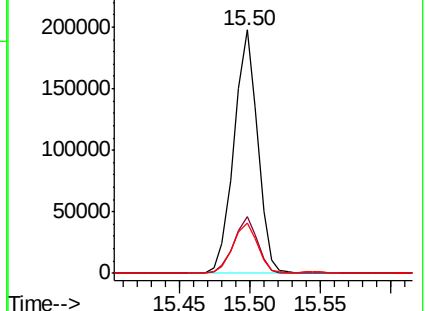
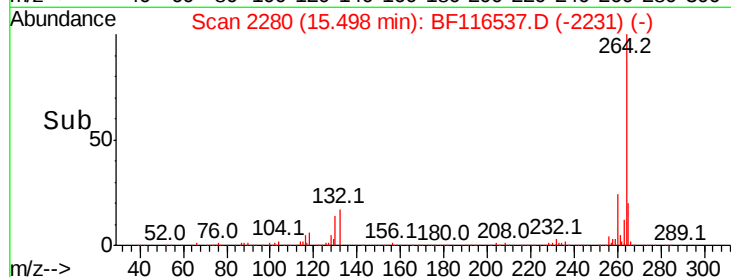
265 20.6 17.1 25.7



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: 3.246 ng

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BF116537.D

Acq: 25 Aug 2019 17:36

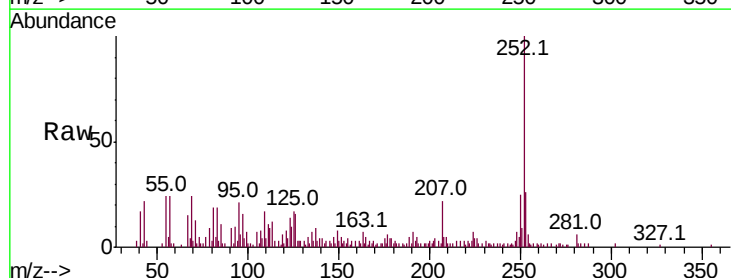
Tgt Ion:252 Resp: 46455

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

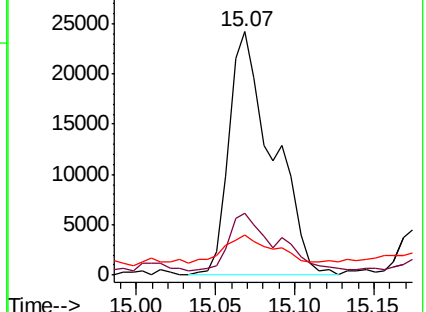
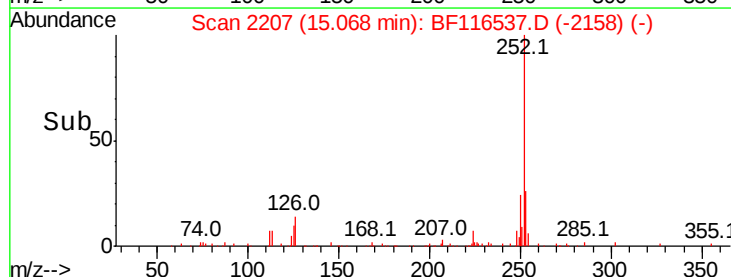
125 16.6 10.1 15.1#

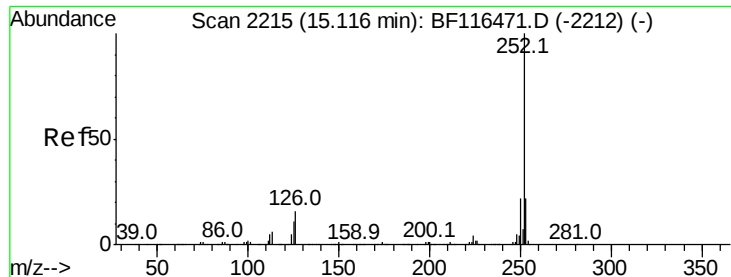


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

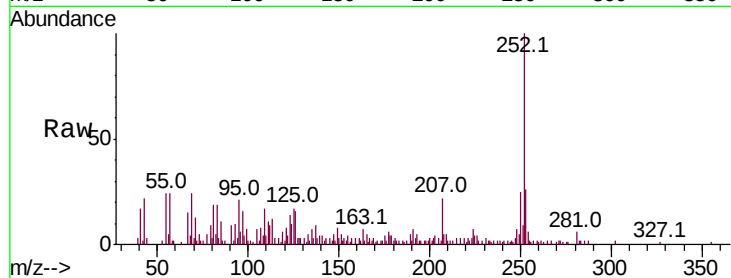




#89
 Benzo(k)fluoranthene
 Concen: 3.583 ng
 RT: 15.07 min Scan# 2207
 Delta R.T. -0.05 min
 Lab File: BF116537.D
 Acq: 25 Aug 2019 17:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.4	26.2
125	16.6	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

