

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117077.D
 Acq On : 16 Sep 2019 22:52
 Operator : HP/JU
 Sample : K4897-01
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:16:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	58309	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	223155	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	97078	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	128986	20.00	ng	0.01
76) Chrysene-d12	13.98	240	101652	20.00	ng	0.00
87) Perylene-d12	15.42	264	71761	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	297100	79.55	ng	0.01
7) Phenol-d6	6.46	99	422530	87.54	ng	0.00
23) Nitrobenzene-d5	7.39	82	250764	59.04	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	64376	79.34	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	443976	71.51	ng	0.00
79) Terphenyl-d14	12.93	244	338934	62.32	ng	0.01

Target Compounds

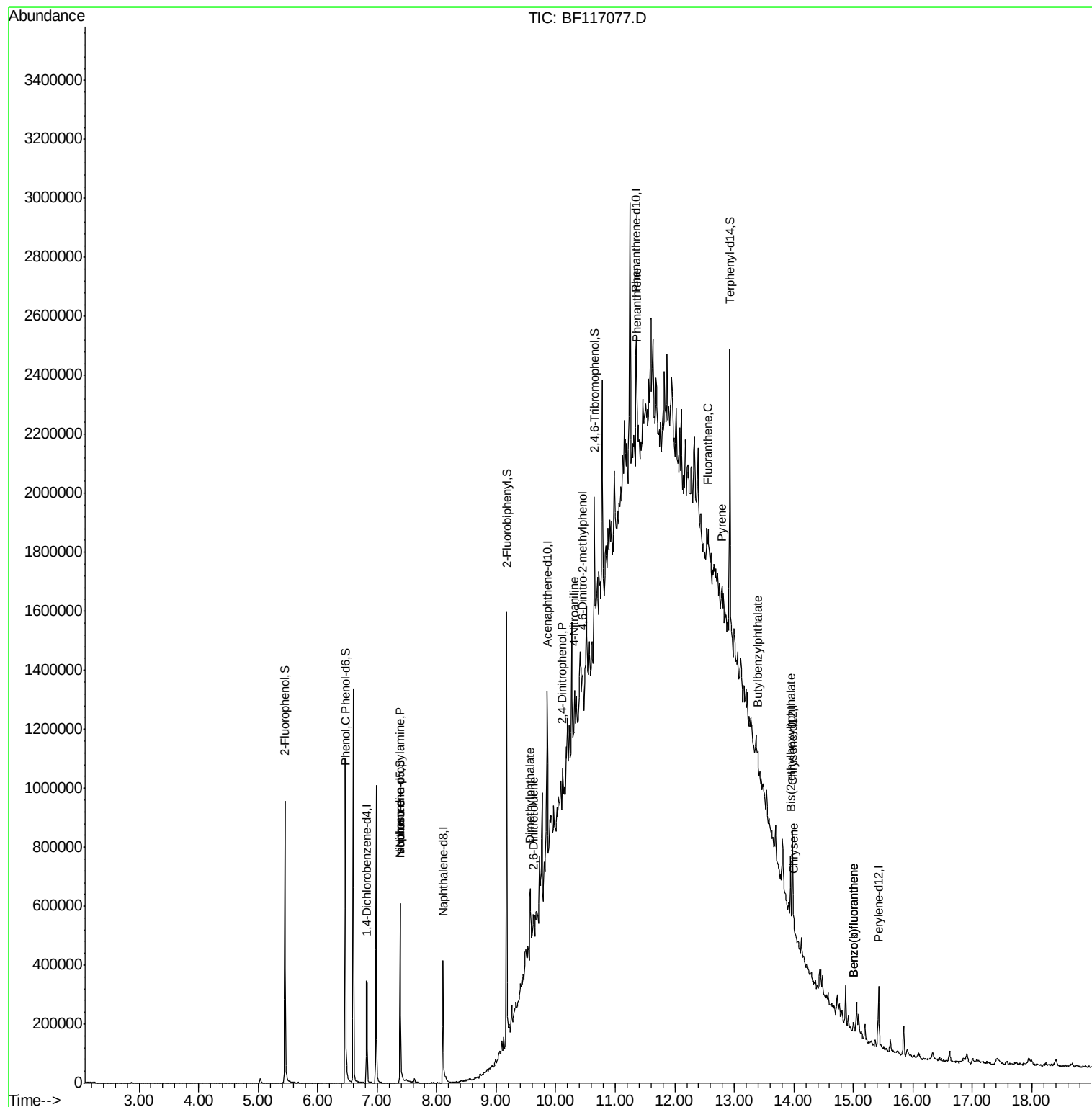
						Qvalue
9) Benzaldehyde	6.47	77	714	Below Cal	#	1
10) Phenol	6.47	94	19539	3.672 ng		91
19) n-Nitroso-di-n-propylamine	7.39	70	33452	11.382 ng	#	79
25) Isophorone	7.39	82	250761	33.346 ng	#	66
50) Dimethylphthalate	9.57	163	53894	7.841 ng	#	95
51) 2,6-Dinitrotoluene	9.63	165	3855	2.754 ng	#	29
54) 2,4-Dinitrophenol	10.11	184	191	9.446 ng	#	1
62) 4-Nitroaniline	10.32	138	6632	3.611 ng		88
65) 4,6-Dinitro-2-methylphenol	10.46	198	429	7.527 ng	#	1
69) Atrazine	11.04	200	703	Below Cal	#	1
71) Phenanthrene	11.37	178	18630	2.543 ng	#	37
75) Fluoranthene	12.56	202	31882	4.235 ng		83
78) Pyrene	12.79	202	31111	3.648 ng	#	84
80) Butylbenzylphthalate	13.39	149	9772	2.425 ng	#	63
83) Chrysene	14.00	228	16502	2.491 ng		95
84) Bis(2-ethylhexyl)phthalate	13.95	149	63683	12.255 ng		99
88) Benzo(b)fluoranthene	15.00	252	18853	4.337 ng	#	72
89) Benzo(k)fluoranthene	15.00	252	18853	4.579 ng	#	72

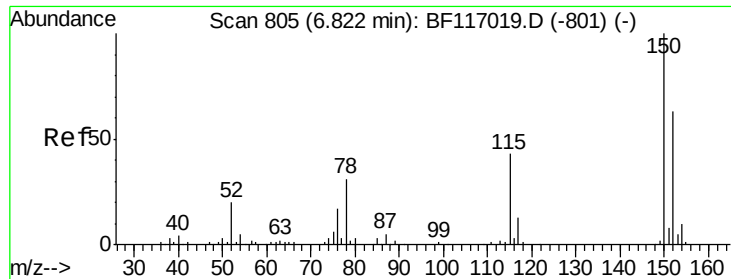
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117077.D
Acq On : 16 Sep 2019 22:52
Operator : HP/JU
Sample : K4897-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 17 05:16:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration



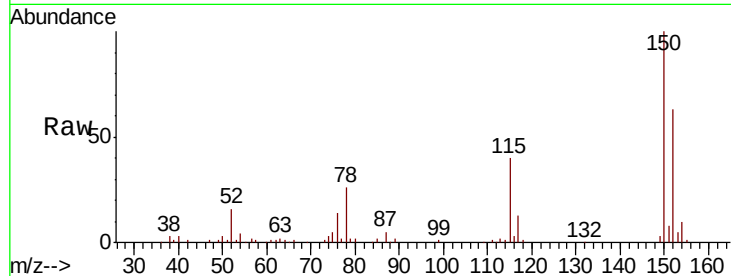


#1

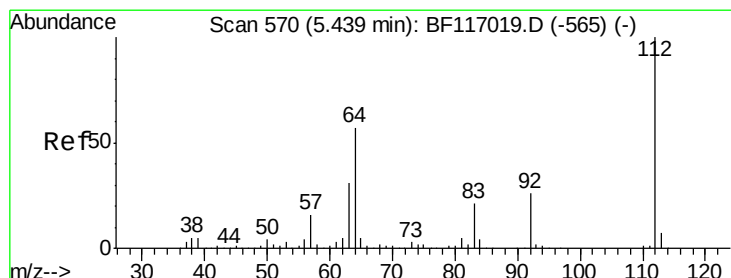
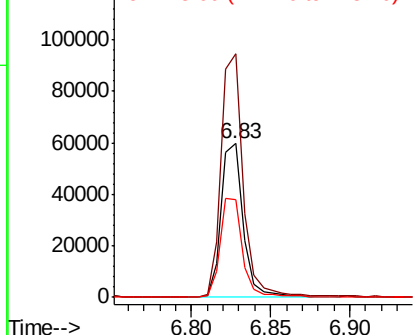
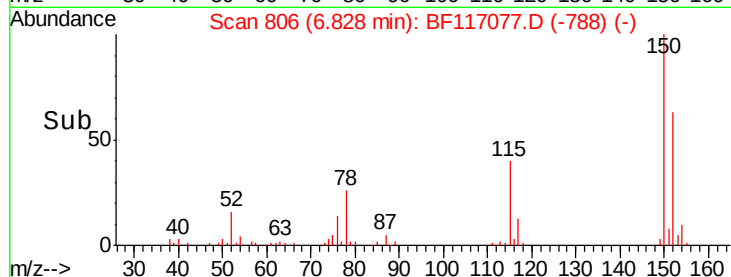
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 58309
Ion Ratio Lower Upper
152 100
150 158.3 127.5 191.3
115 63.6 55.0 82.4



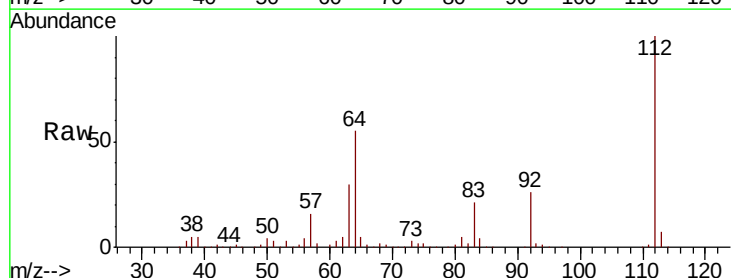
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



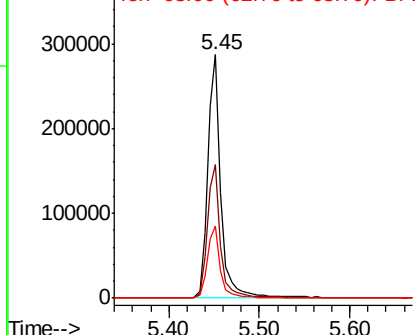
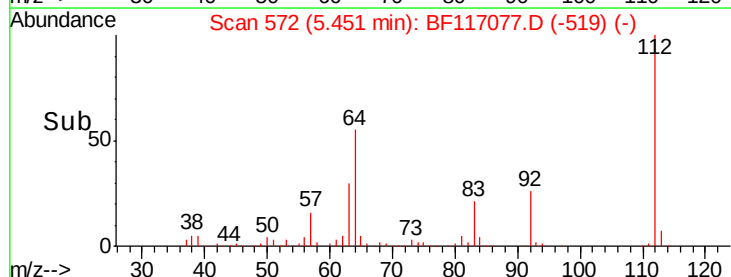
#5

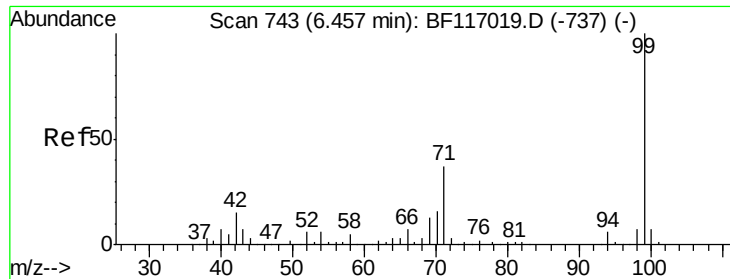
2-Fluorophenol
Concen: 79.550 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Tgt Ion:112 Resp: 297100
Ion Ratio Lower Upper
112 100
64 54.7 45.7 68.5
63 29.9 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 87.541 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampleId :

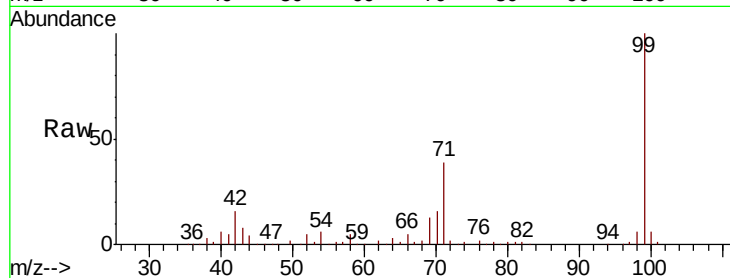
Tot Ion: 99 Resp: 422530

Ion Ratio Lower Upper

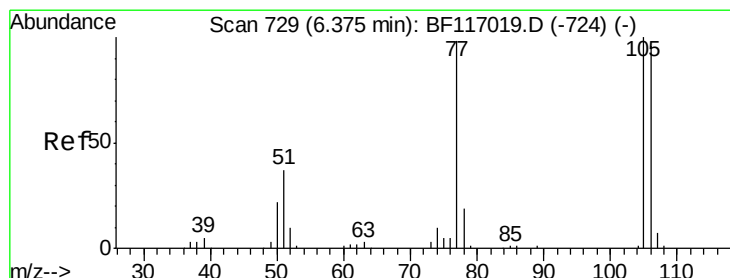
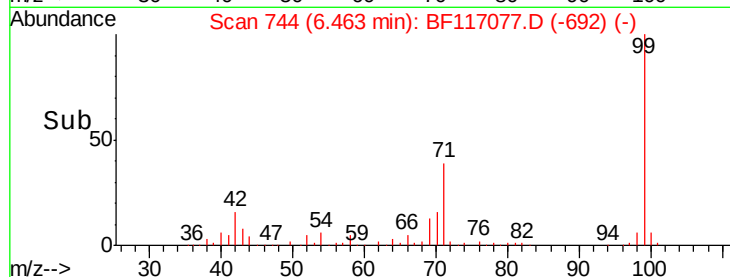
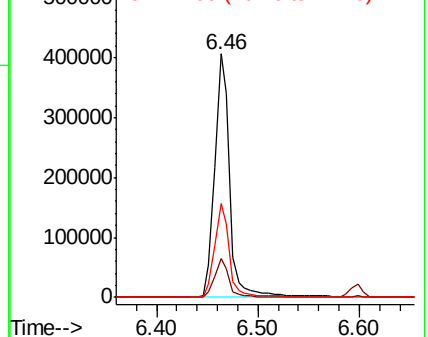
99 100

42 16.0 12.2 18.2

71 38.5 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.47 min Scan# 745

Delta R.T. 0.10 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

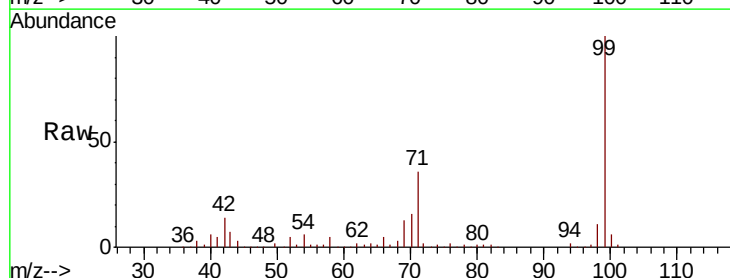
Tgt Ion: 77 Resp: 714

Ion Ratio Lower Upper

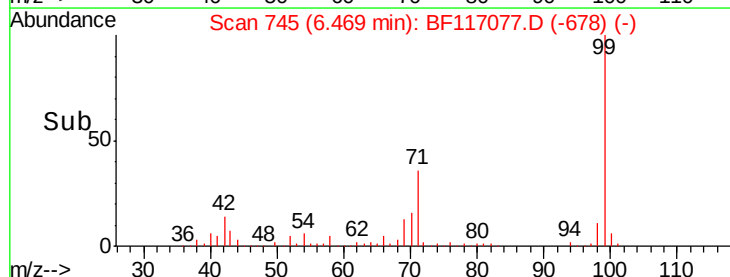
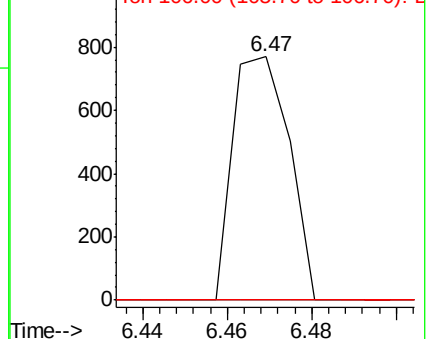
77 100

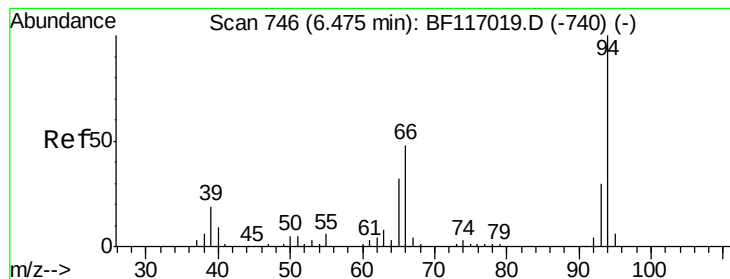
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.672 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampleId :

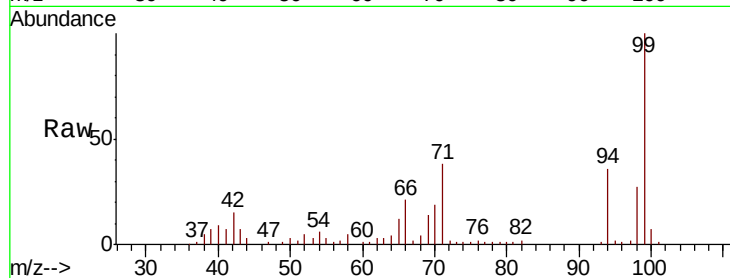
Tot Ion: 94 Resp: 19539

Ion Ratio Lower Upper

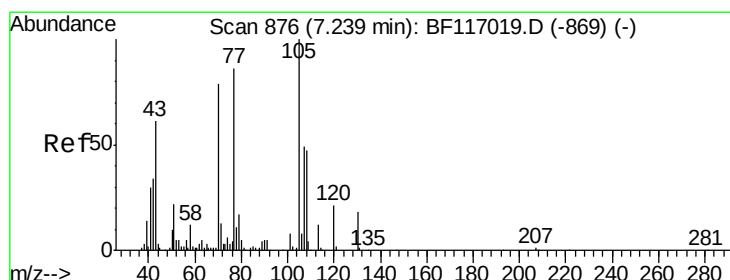
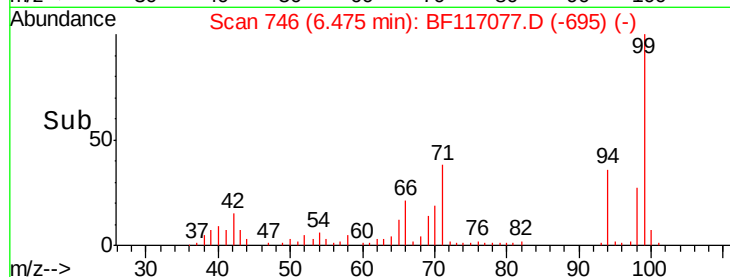
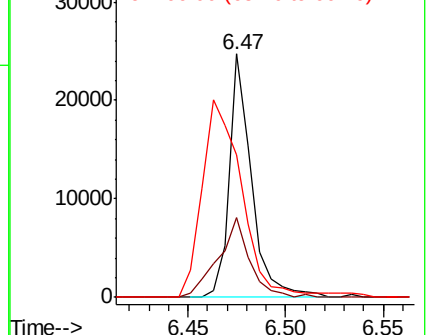
94 100

65 32.8 12.5 52.5

66 58.6 28.9 68.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.382 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Tgt Ion: 70 Resp: 33452

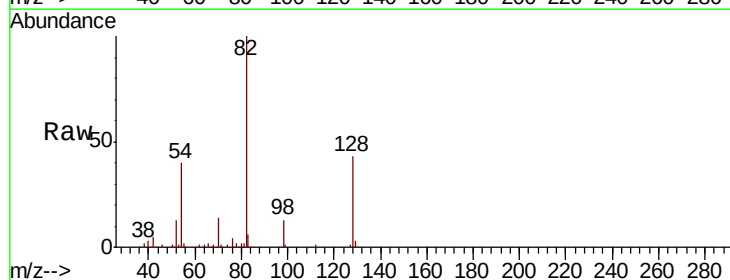
Ion Ratio Lower Upper

70 100

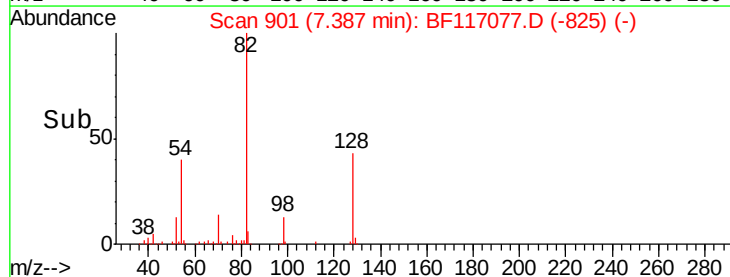
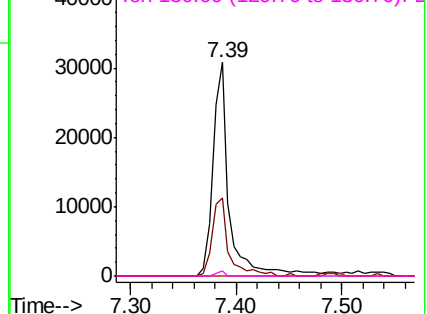
42 36.6 34.0 51.0

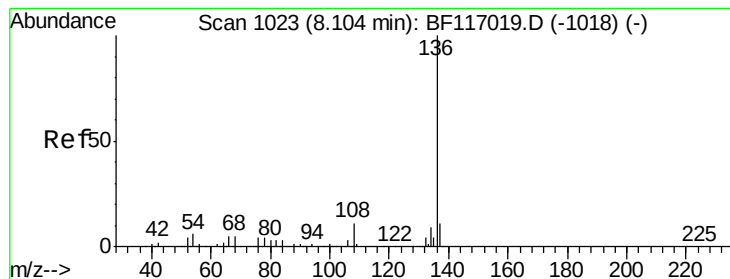
101 0.0 7.8 11.6#

130 2.3 17.8 26.8#



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: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 223155

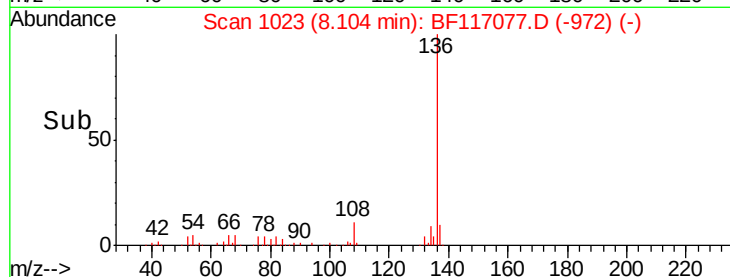
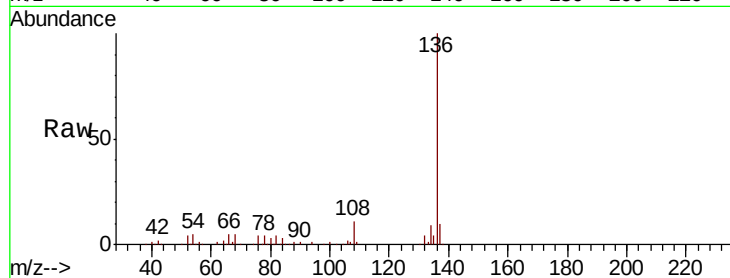
Ion Ratio Lower Upper

136 100

137 10.1 9.0 13.4

54 5.3 4.5 6.7

68 4.7 4.0 6.0

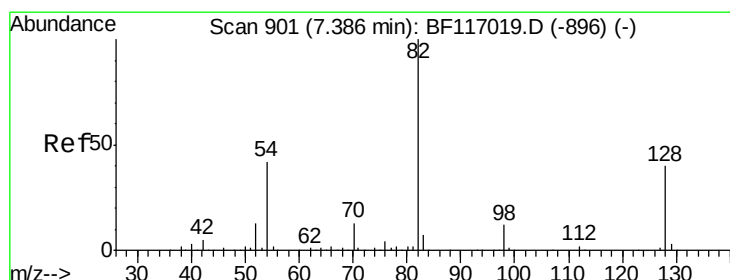
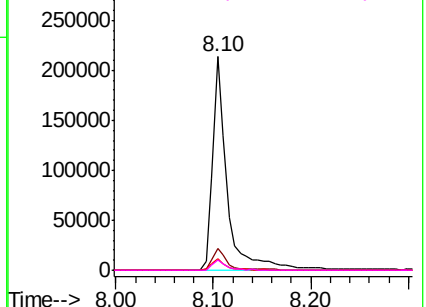


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 59.043 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.00 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

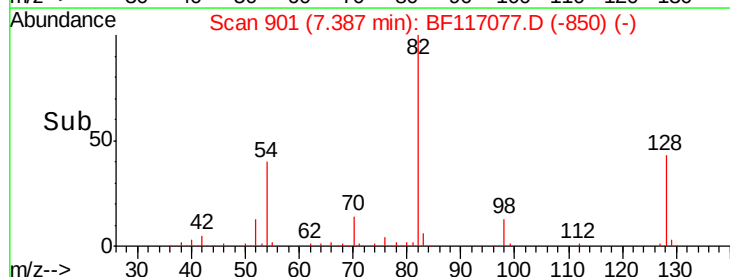
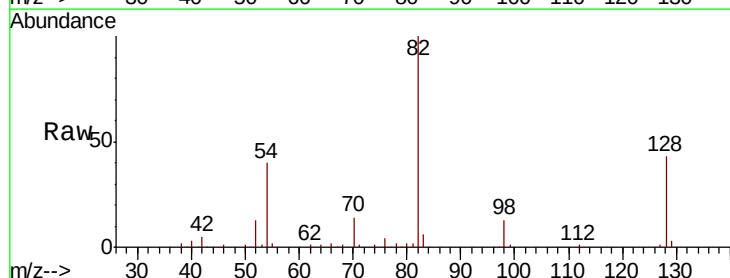
Tgt Ion: 82 Resp: 250764

Ion Ratio Lower Upper

82 100

128 43.0 32.3 48.5

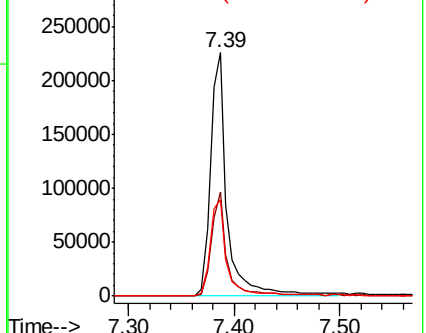
54 39.8 33.3 49.9

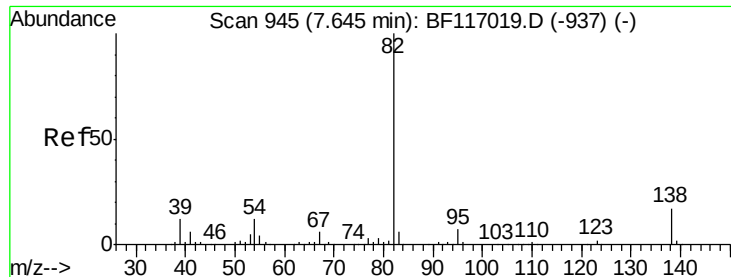


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.346 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampled :

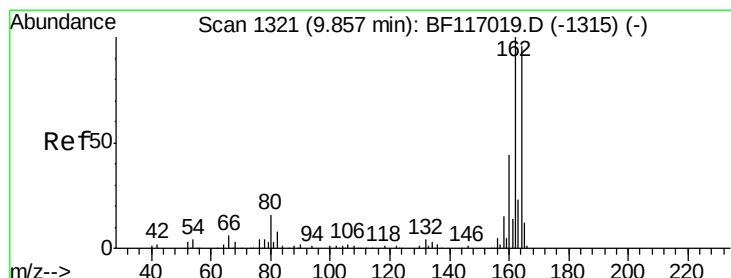
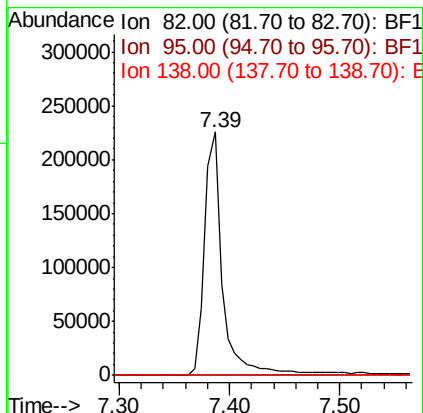
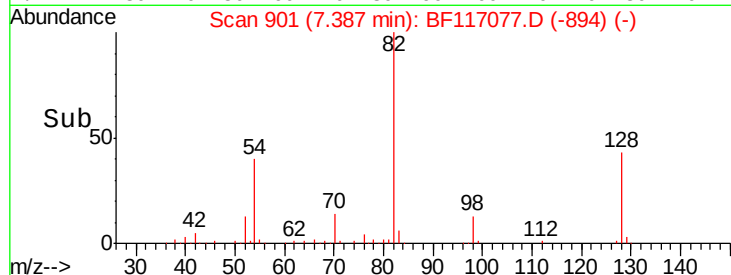
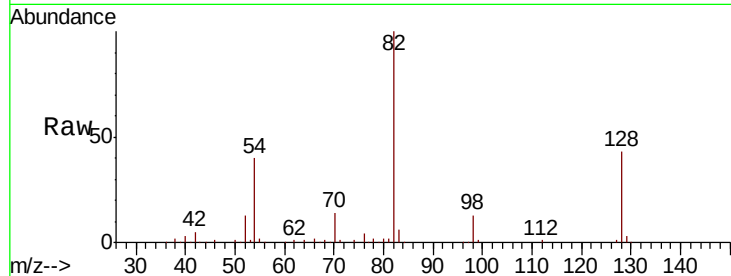
Tot Ion: 82 Resp: 250761

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

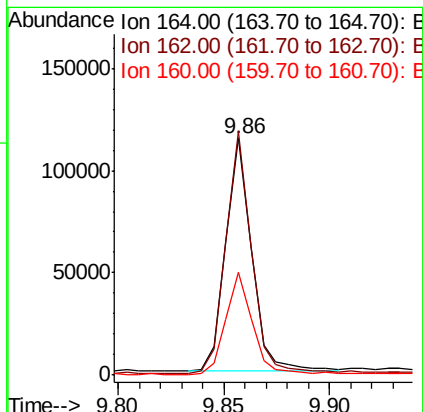
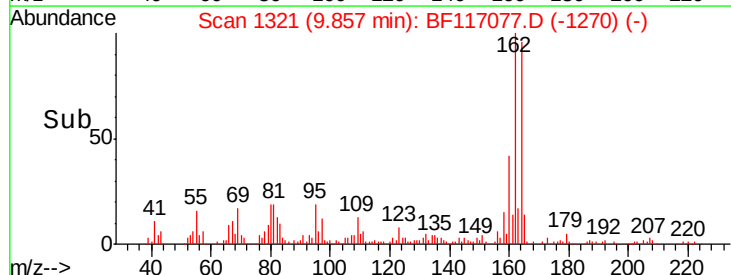
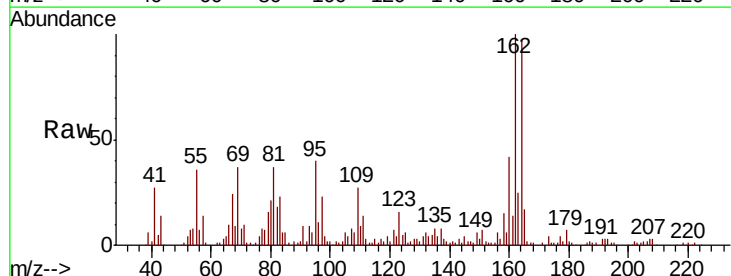
Tgt Ion: 164 Resp: 97078

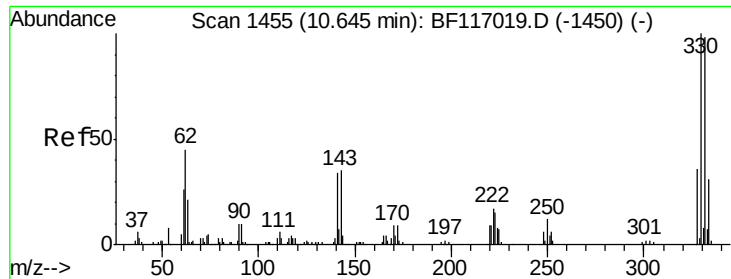
Ion Ratio Lower Upper

164 100

162 102.7 83.4 125.2

160 43.4 36.4 54.6

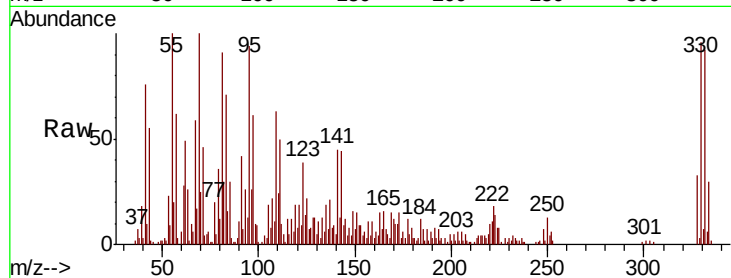




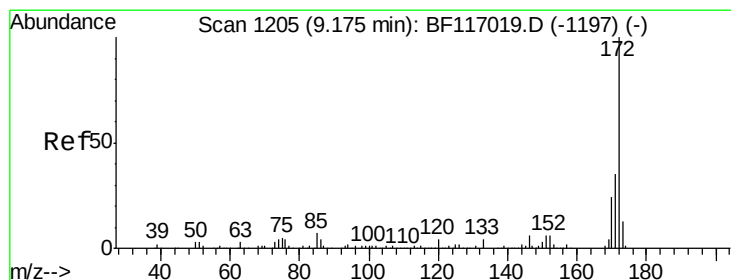
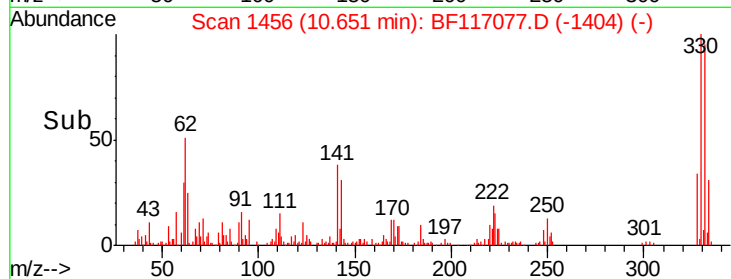
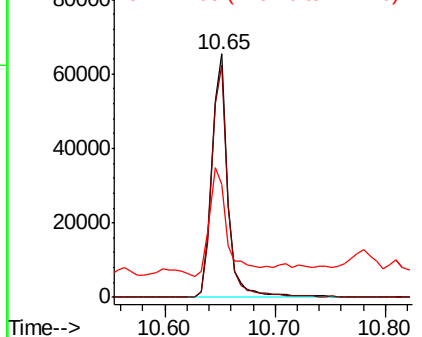
#42
 2,4,6-Tribromophenol
 Concen: 79.344 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. 0.01 min
 Lab File: BF117077.D
 Acq: 16 Sep 2019 22:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 64376
 Ion Ratio Lower Upper
 330 100
 332 95.8 78.0 117.0
 141 50.4 35.8 53.6

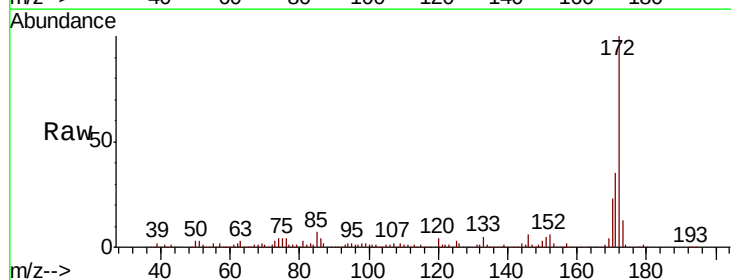


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

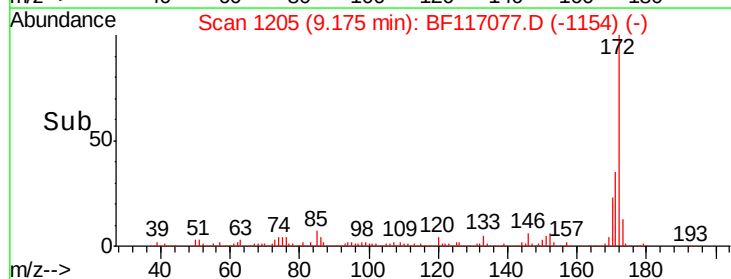
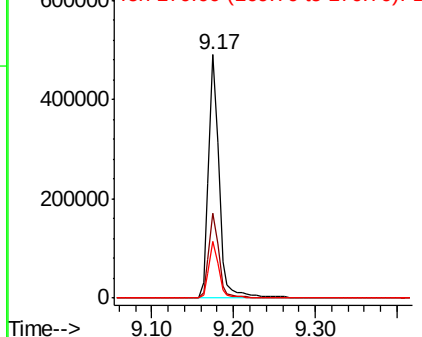


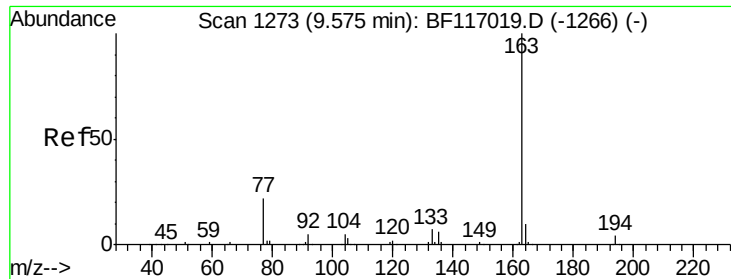
#45
 2-Fluorobiphenyl
 Concen: 71.508 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117077.D
 Acq: 16 Sep 2019 22:52

Tgt Ion:172 Resp: 443976
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.2 42.2
 170 23.4 18.9 28.3



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

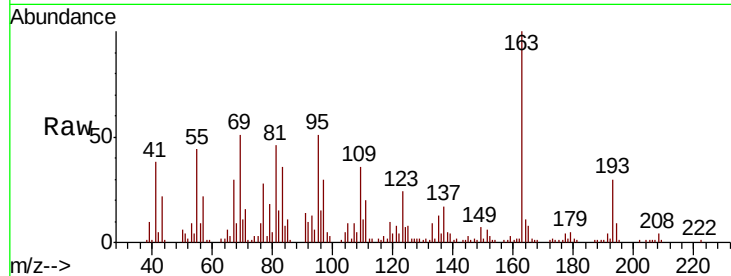




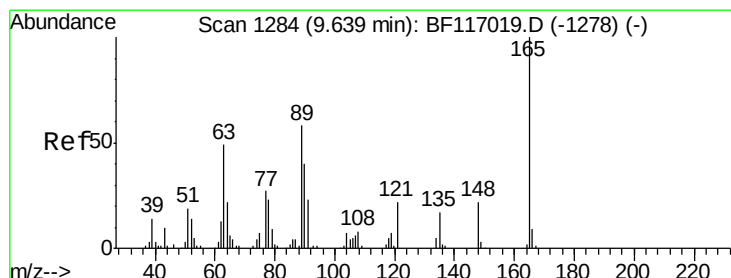
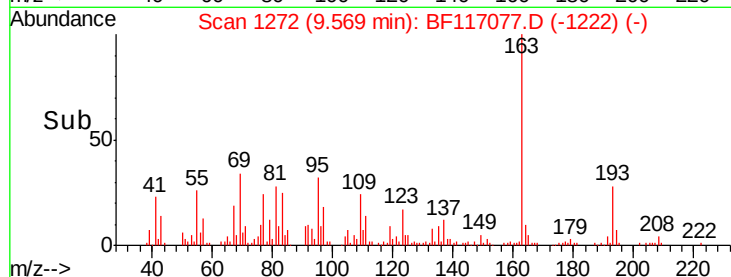
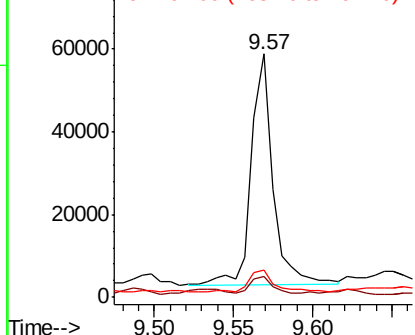
#50
Dimethylphthalate
Concen: 7.841 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 53894
Ion Ratio Lower Upper
163 100
194 8.6 2.9 4.3#
164 11.1 8.2 12.4

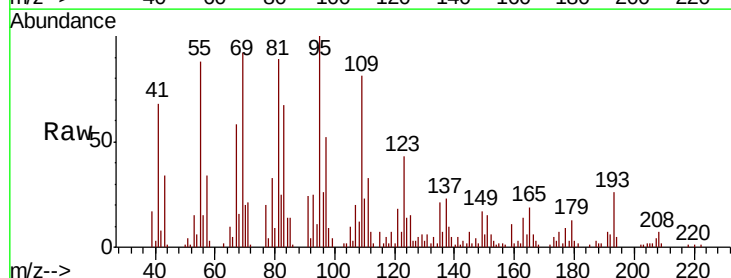


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

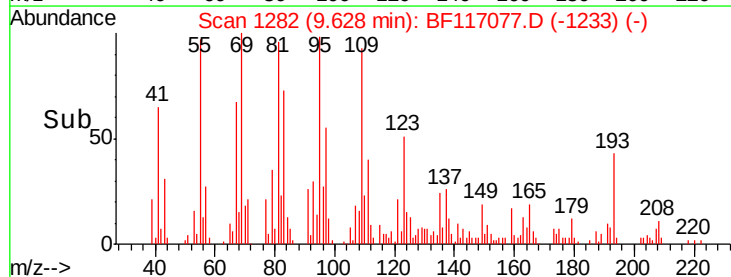
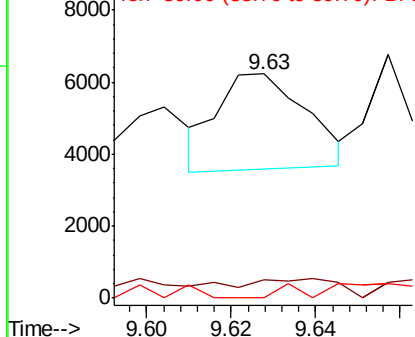


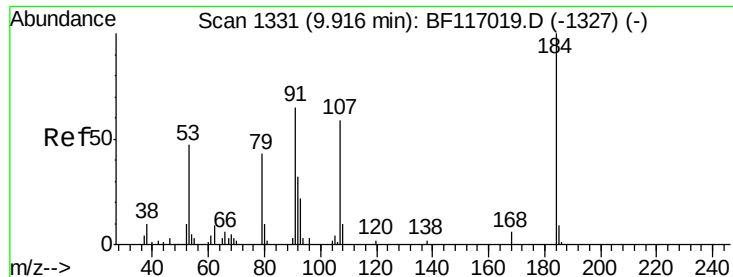
#51
2,6-Dinitrotoluene
Concen: 2.754 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Tgt Ion:165 Resp: 3855
Ion Ratio Lower Upper
165 100
63 8.3 41.8 62.8#
89 0.0 46.5 69.7#



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

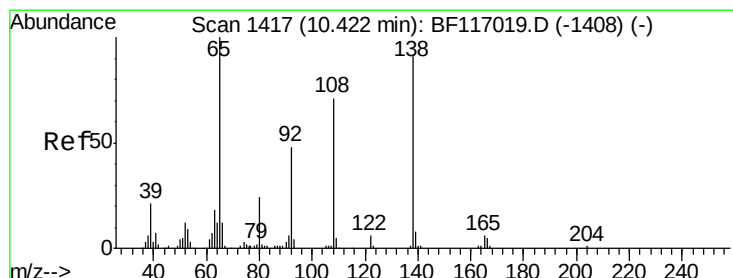
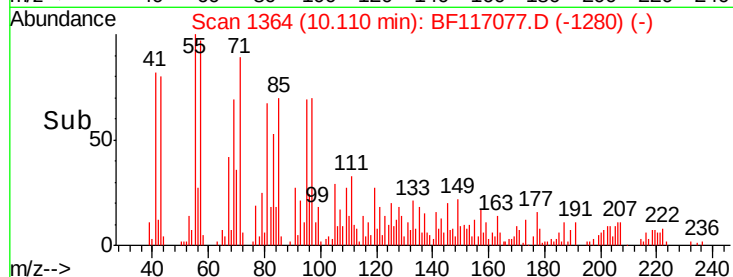
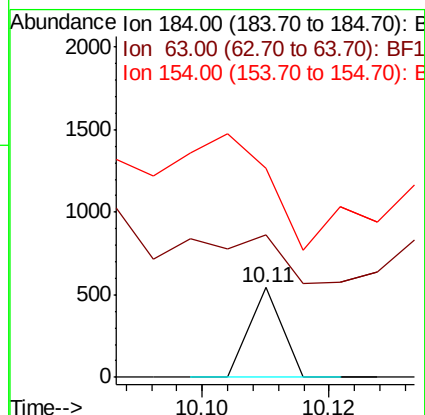
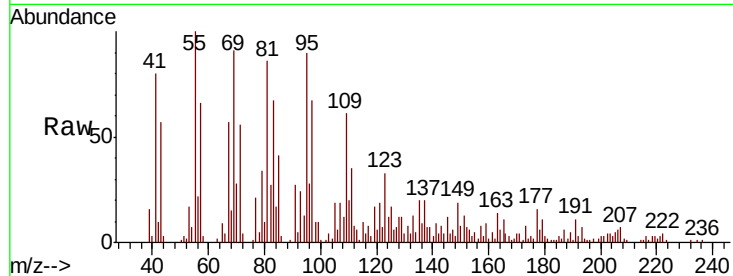




#54
2,4-Dinitrophenol
Concen: 9.446 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.19 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

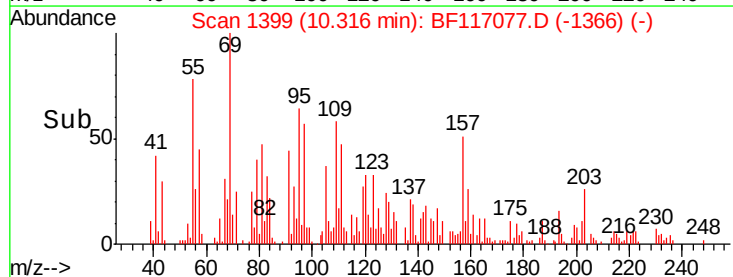
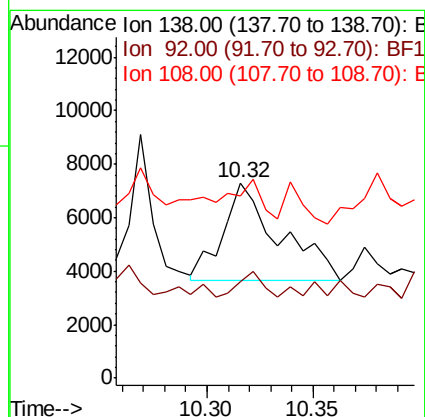
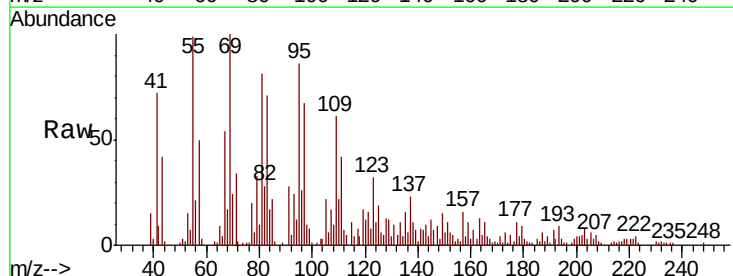
Instrument :
BNA_F
ClientSampleId :

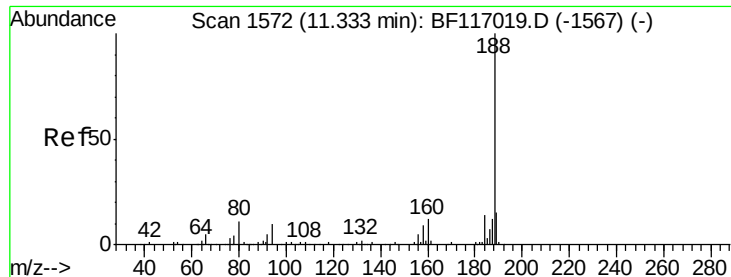
Tot Ion:184 Resp: 191
Ion Ratio Lower Upper
184 100
63 159.2 63.8 95.6#
154 233.4 60.4 90.6#



#62
4-Nitroaniline
Concen: 3.611 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.11 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Tgt Ion:138 Resp: 6632
Ion Ratio Lower Upper
138 100
92 49.5 32.9 72.9
108 93.3 58.3 98.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampleId :

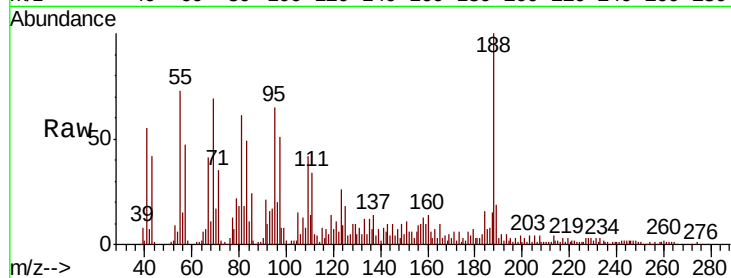
Tot Ion:188 Resp: 128986

Ion Ratio Lower Upper

188 100

94 17.4 8.2 12.2#

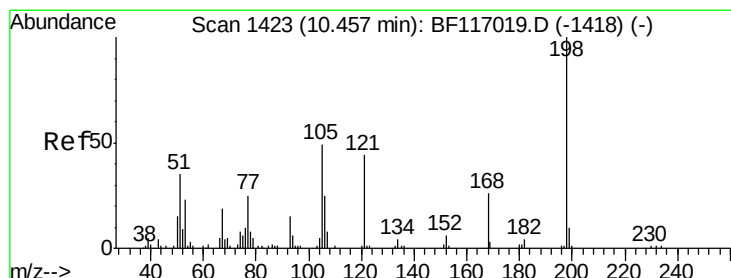
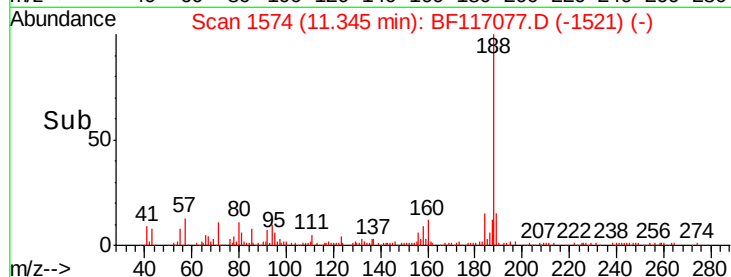
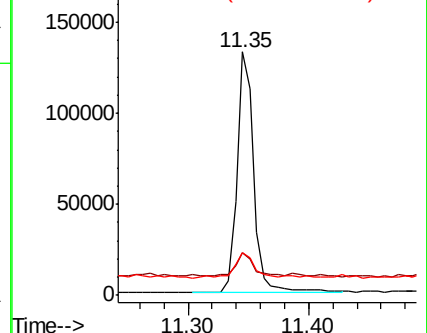
80 17.8 9.0 13.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.527 ng

RT: 10.46 min Scan# 1424

Delta R.T. 0.01 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

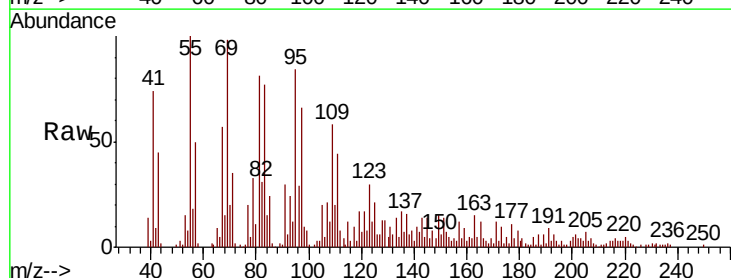
Tgt Ion:198 Resp: 429

Ion Ratio Lower Upper

198 100

51 421.1 18.7 58.7#

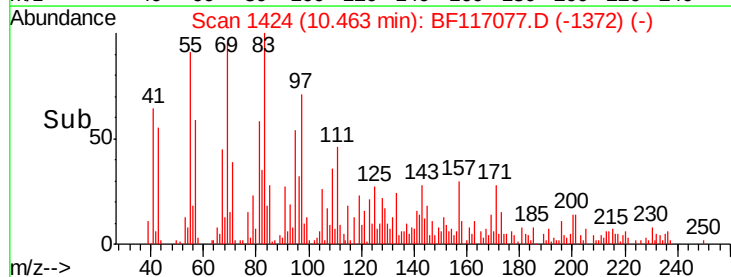
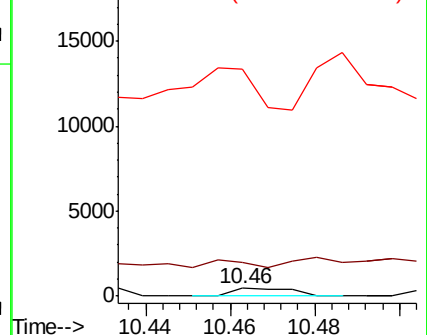
105 2837.2 30.2 70.2#

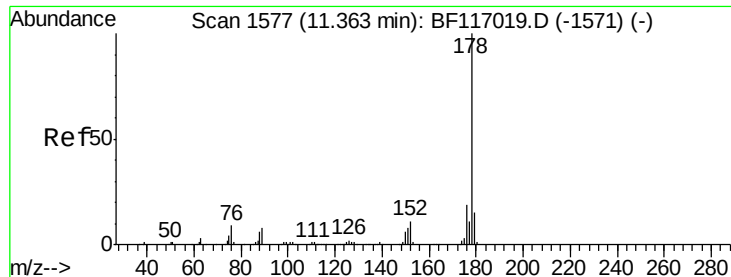


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

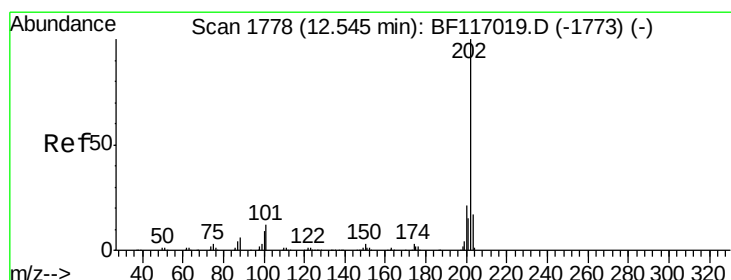
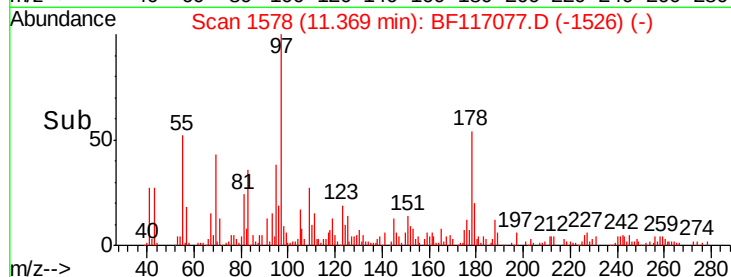
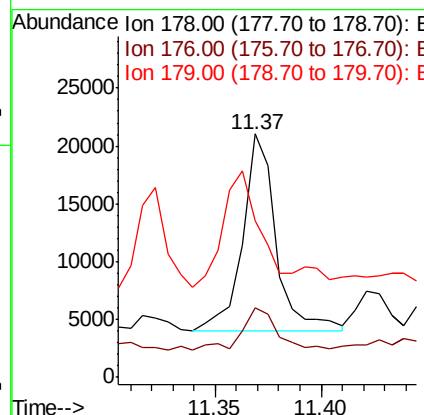
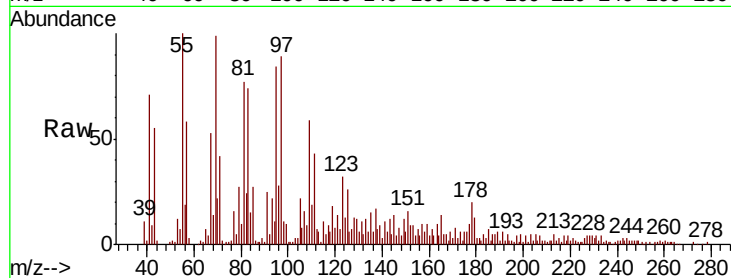




#71
Phenanthrene
Concen: 2.543 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

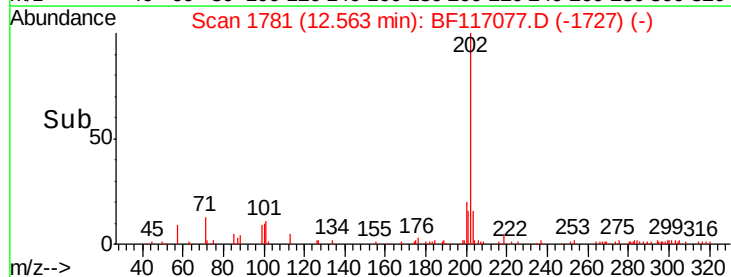
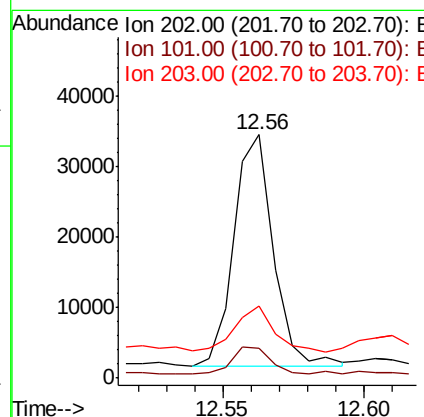
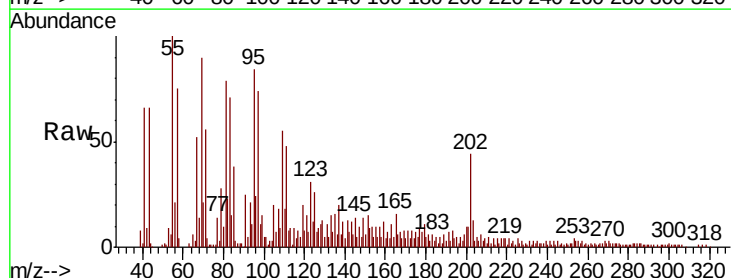
Instrument :
BNA_F
ClientSampleId :

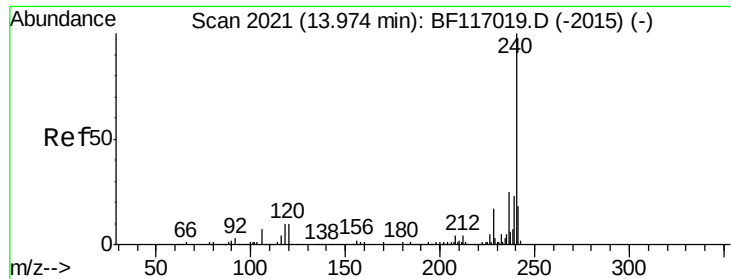
Tot Ion:178 Resp: 18630
Ion Ratio Lower Upper
178 100
176 28.8 15.4 23.2#
179 64.3 12.4 18.6#



#75
Fluoranthene
Concen: 4.235 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.02 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Tgt Ion:202 Resp: 31882
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.3
203 29.4 0.0 37.1

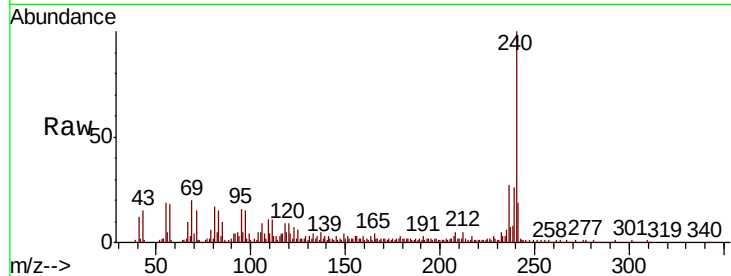




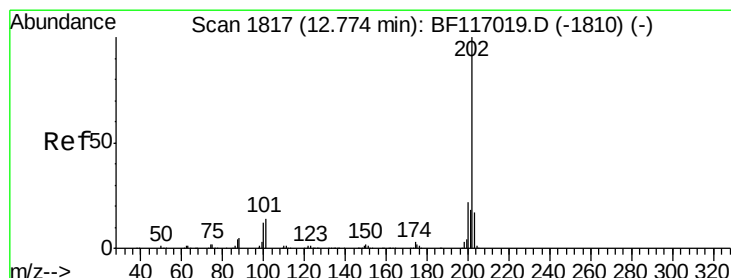
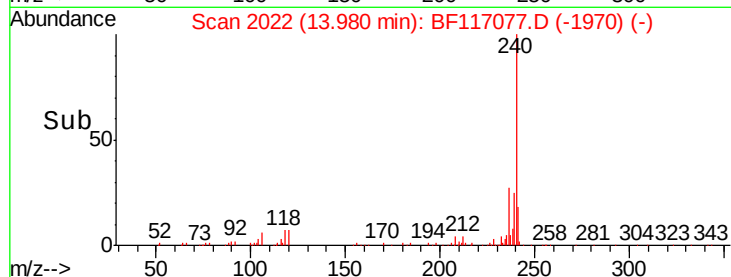
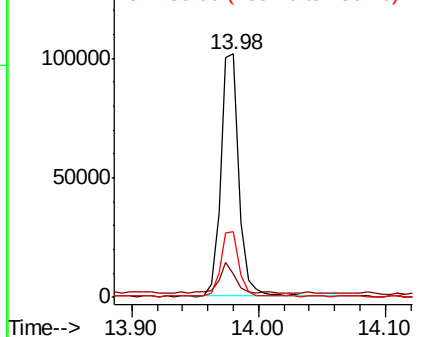
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.3	12.5
236	27.1	20.3	30.5

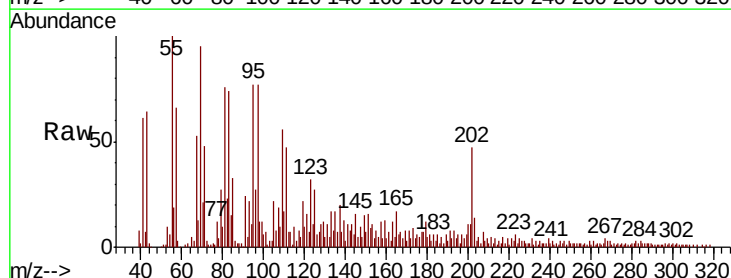


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

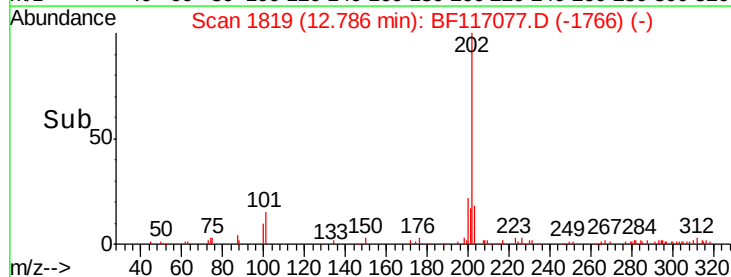
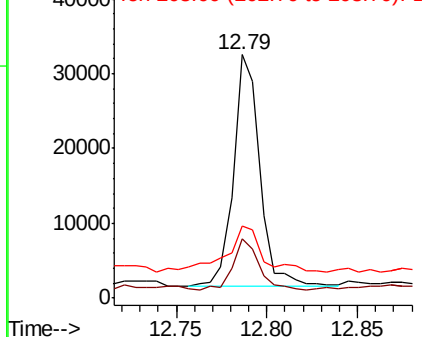


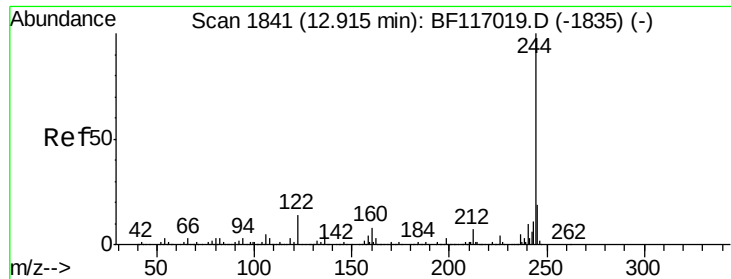
#78
Pyrene
Concen: 3.648 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	24.3	17.2	25.8
203	29.5	14.0	21.0



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

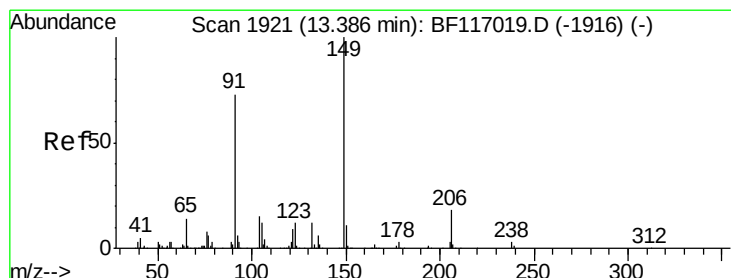
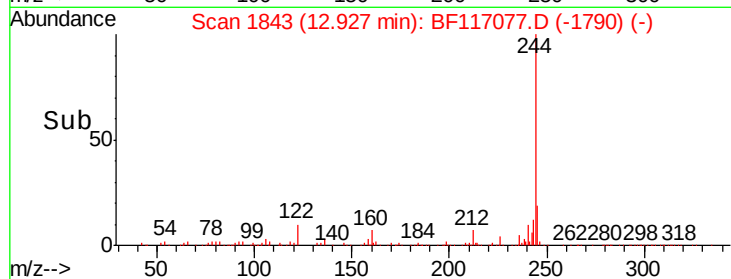
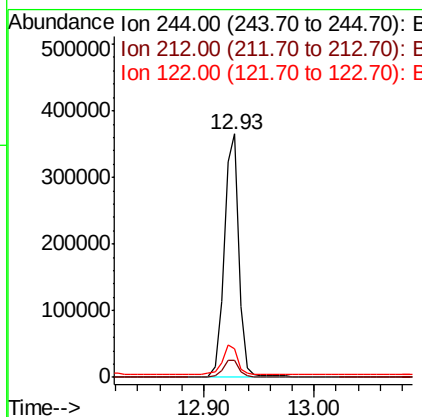
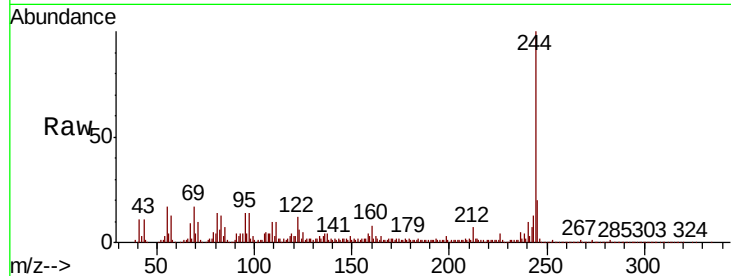




#79
 Terphenyl-d14
 Concen: 62.325 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF117077.D
 Acq: 16 Sep 2019 22:52

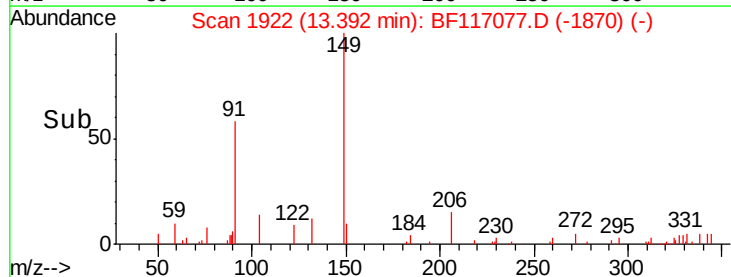
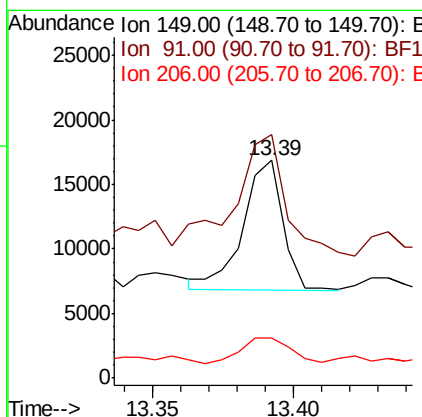
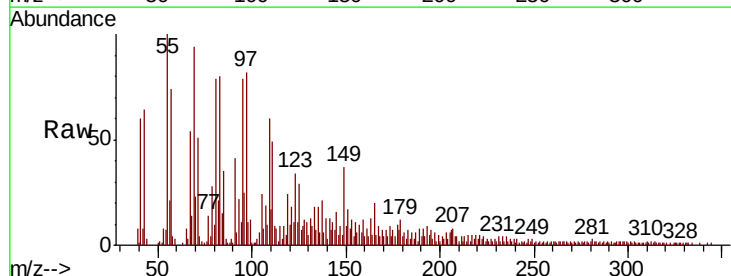
Instrument :
 BNA_F
 ClientSampled :

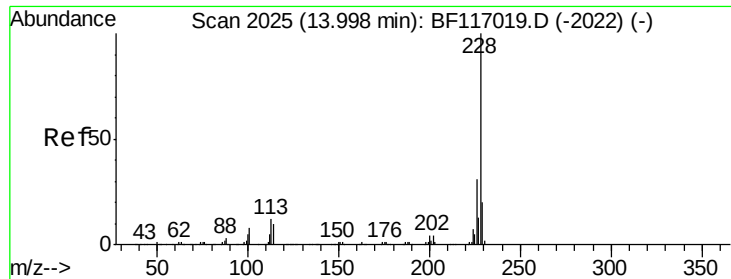
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.7	11.3	16.9



#80
 Butylbenzylphthalate
 Concen: 2.425 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: BF117077.D
 Acq: 16 Sep 2019 22:52

Tgt Ion	Ratio	Lower	Upper
149	100		
91	112.0	58.8	88.2#
206	18.3	14.1	21.1

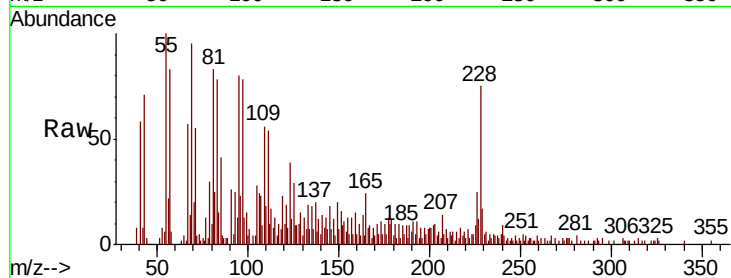




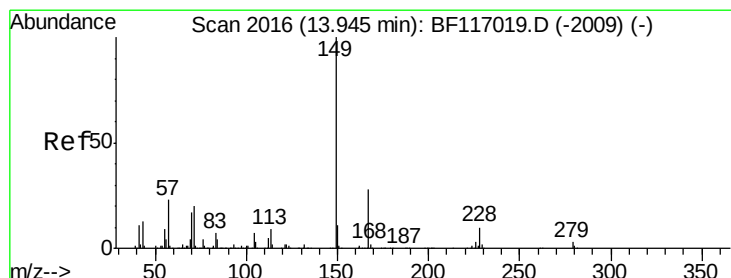
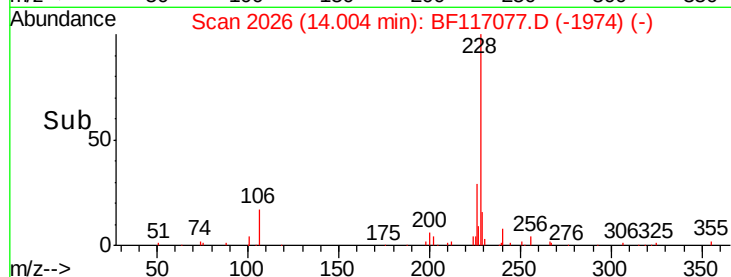
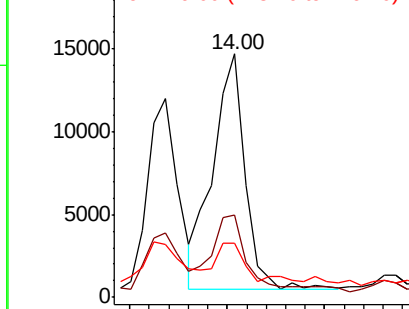
#83
Chrysene
Concen: 2.491 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 16502
Ion Ratio Lower Upper
228 100
226 33.8 24.8 37.2
229 22.3 15.8 23.8

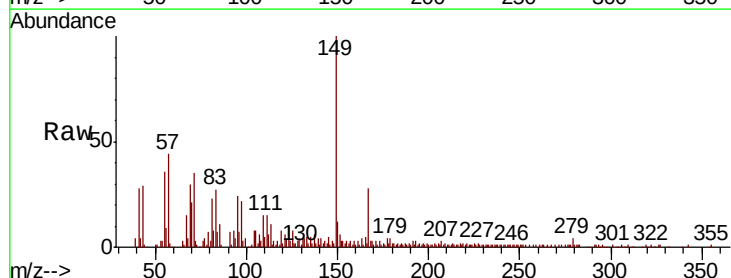


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

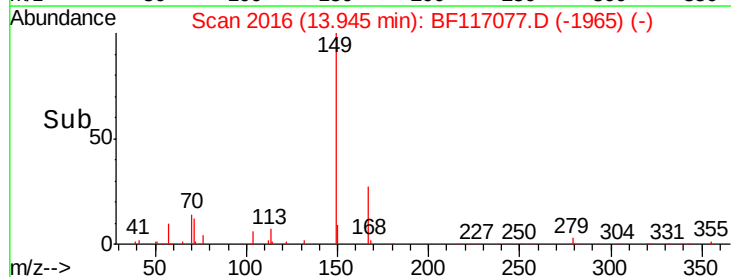
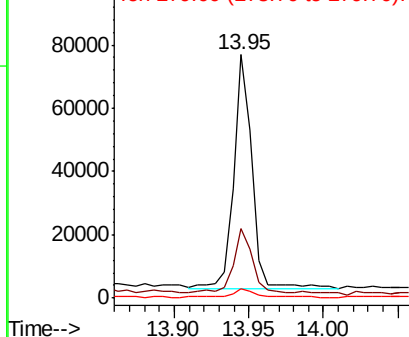


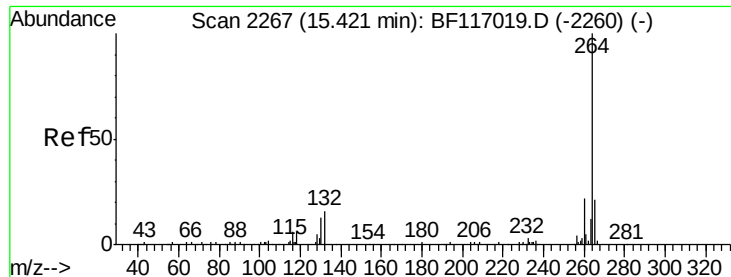
#84
Bis(2-ethylhexyl)phthalate
Concen: 12.255 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF117077.D
Acq: 16 Sep 2019 22:52

Tgt Ion:149 Resp: 63683
Ion Ratio Lower Upper
149 100
167 28.4 22.2 33.2
279 3.9 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampleId :

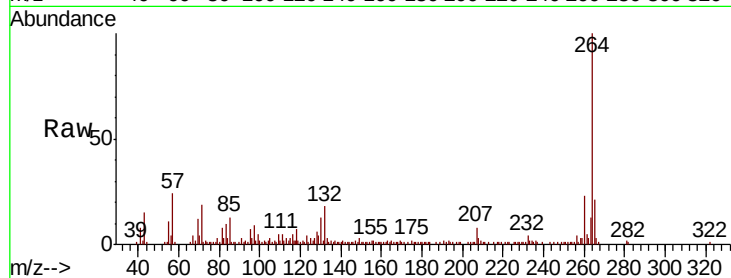
Tot Ion:264 Resp: 71761

Ion Ratio Lower Upper

264 100

260 23.2 17.6 26.4

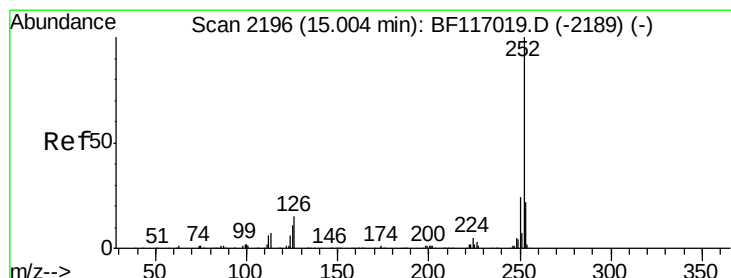
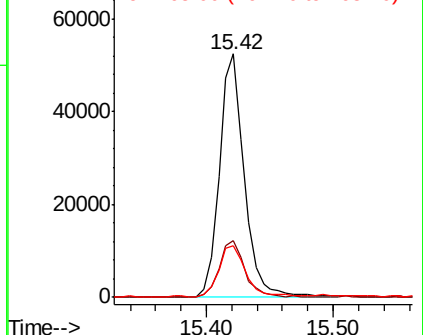
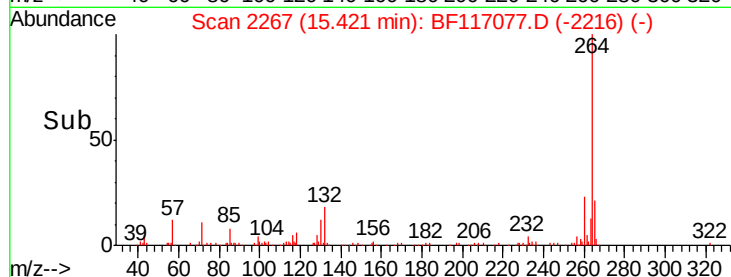
265 21.4 16.6 24.8



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: 4.337 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

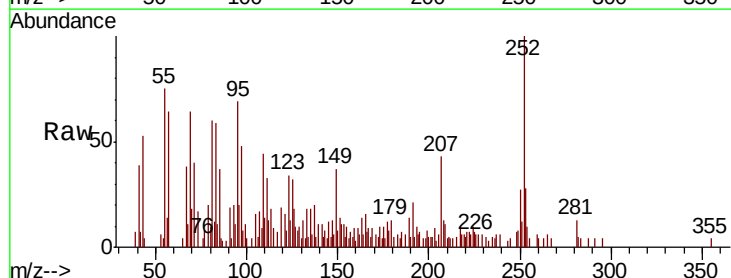
Tgt Ion:252 Resp: 18853

Ion Ratio Lower Upper

252 100

253 28.3 17.6 26.4#

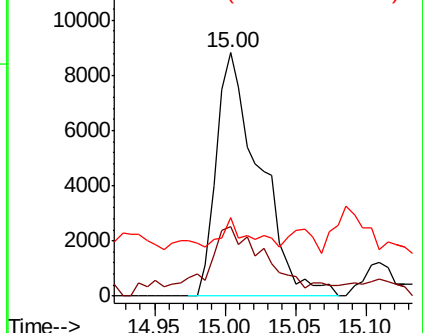
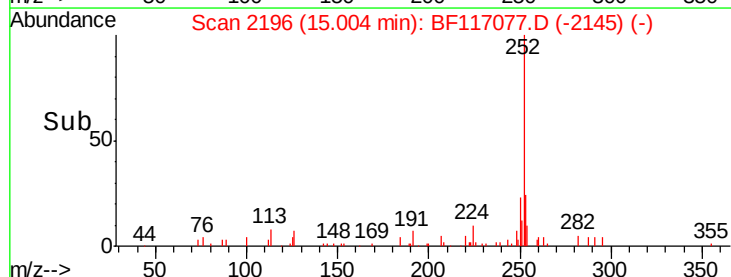
125 32.4 8.6 12.8#

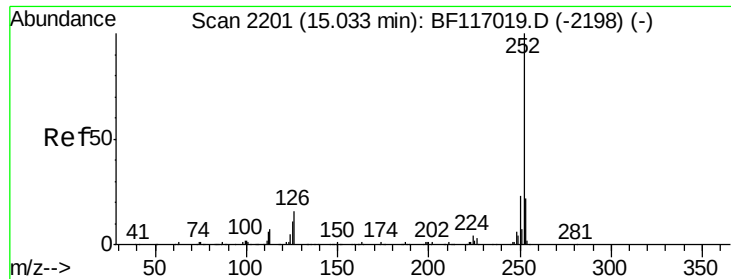


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 4.579 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.03 min

Lab File: BF117077.D

Acq: 16 Sep 2019 22:52

Instrument :

BNA_F

ClientSampleId :

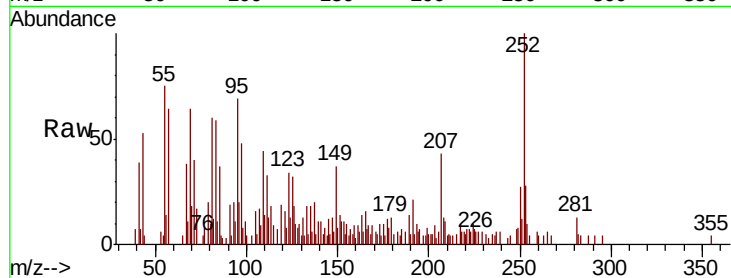
Tot Ion:252 Resp: 18853

Ion Ratio Lower Upper

252 100

253 28.3 17.4 26.2#

125 32.4 8.8 13.2#



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

