

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117070.D
 Acq On : 16 Sep 2019 18:25
 Operator : HP/JU
 Sample : K4862-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:14:40 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	6.82	152	54074	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	230590	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	110747	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	154779	20.00	ng	0.00
76) Chrysene-d12	13.97	240	110611	20.00	ng	0.00
87) Perylene-d12	15.43	264	77708	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	36239	10.46	ng	0.00
7) Phenol-d6	6.46	99	58320	13.03	ng	0.00
23) Nitrobenzene-d5	7.39	82	35191	8.02	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	10022	10.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	75337	10.64	ng	0.00
79) Terphenyl-d14	12.91	244	61743	10.43	ng	0.00

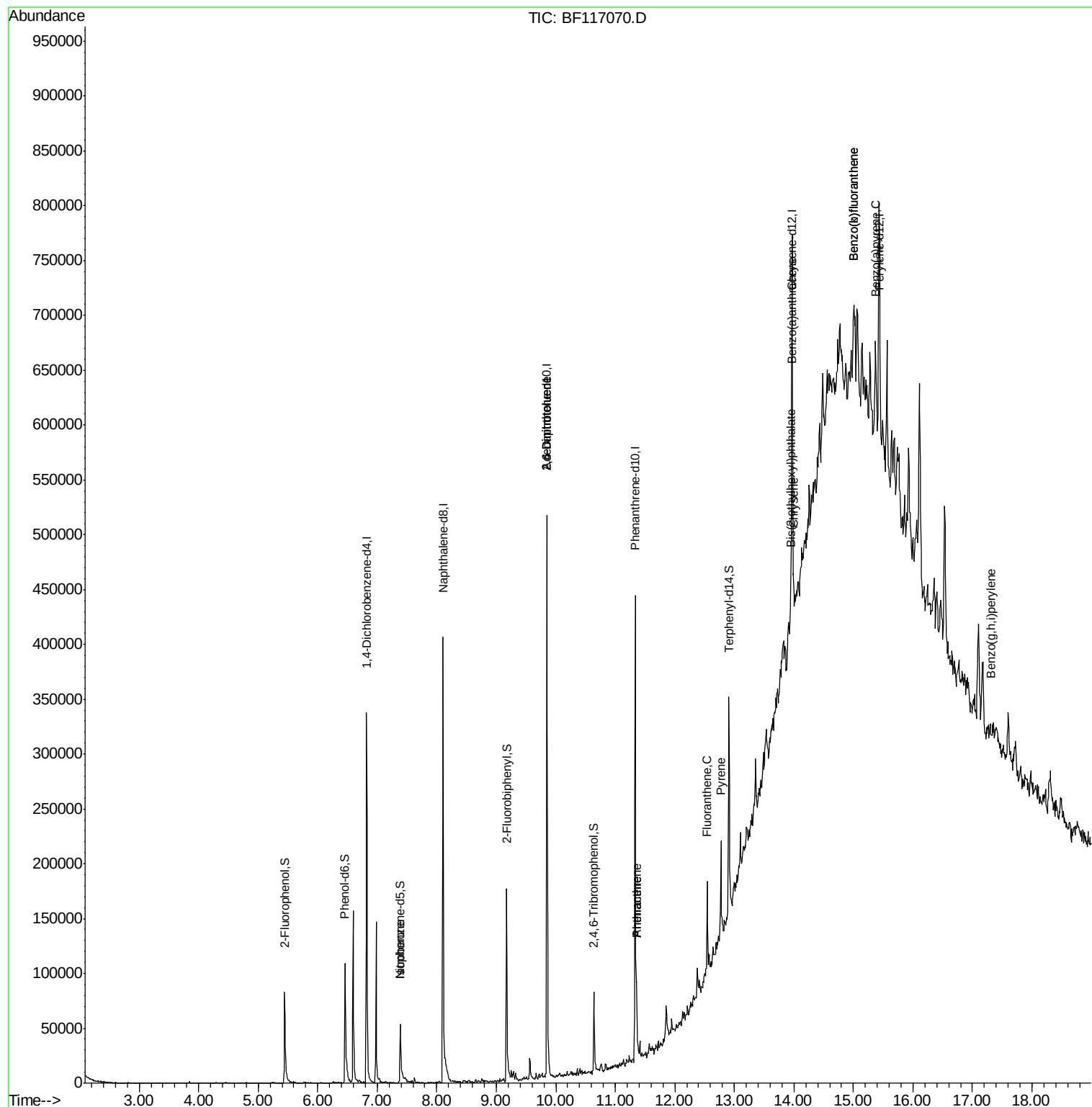
Target Compounds				Qvalue		
9) Benzaldehyde	6.59	77	1033	Below Cal	#	75
25) Isophorone	7.39	82	35190	4.529	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	13158	8.239	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	13158	6.347	ng	# 18
71) Phenanthrene	11.36	178	20147	2.292	ng	97
72) Anthracene	11.36	178	20147	2.245	ng	94
75) Fluoranthene	12.54	202	38944	4.311	ng	94
78) Pyrene	12.77	202	37308	4.020	ng	98
81) Benzo(a)anthracene	13.96	228	18204	2.463	ng	# 83
83) Chrysene	13.99	228	18179	2.522	ng	# 86
84) Bis(2-ethylhexyl)phthalate	13.94	149	12675	2.242	ng	# 96
88) Benzo(b)fluoranthene	15.01	252	21125	4.488	ng	# 22
89) Benzo(k)fluoranthene	15.01	252	21116	4.736	ng	# 22
90) Benzo(a)pyrene	15.37	252	11272	2.729	ng	# 32
92) Benzo(a,h,i)perylene	17.30	276	6722	2.050	ng	# 68

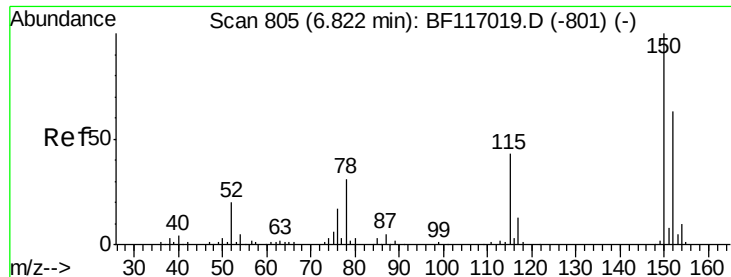
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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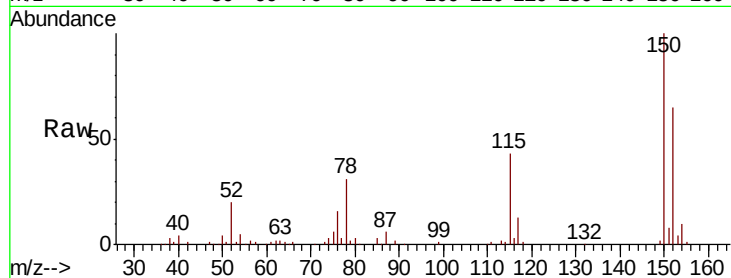


#1

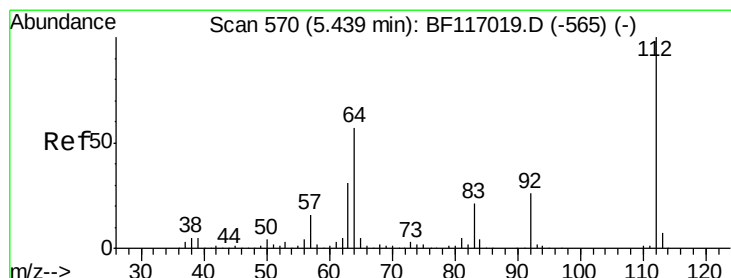
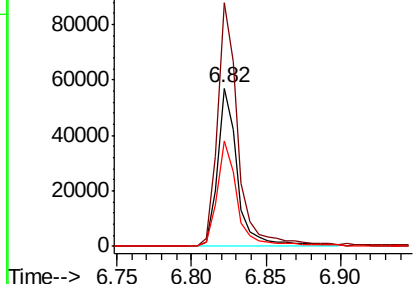
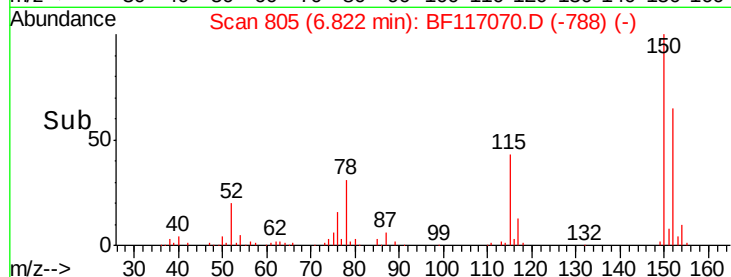
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 54074
Ion Ratio Lower Upper
152 100
150 154.1 127.5 191.3
115 66.3 55.0 82.4



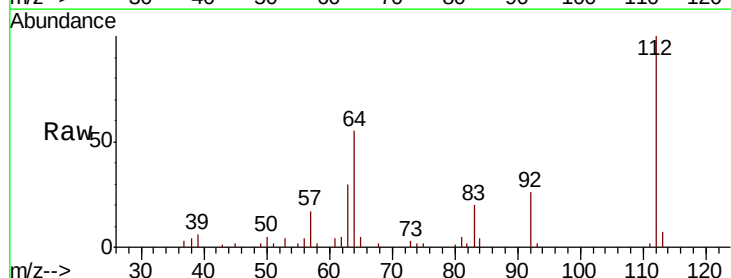
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



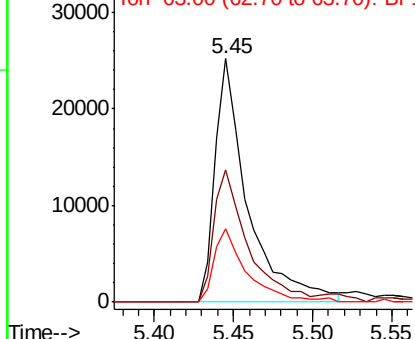
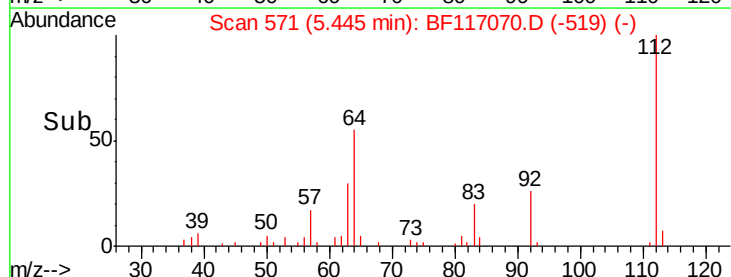
#5

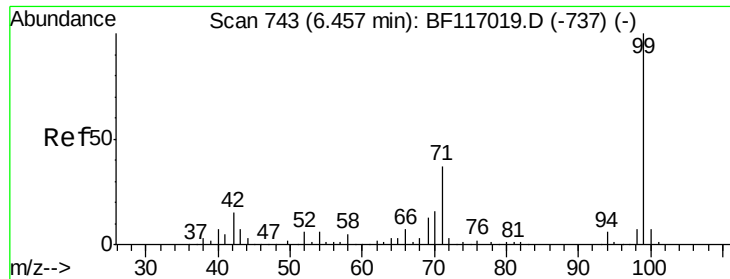
2-Fluorophenol
Concen: 10.463 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Tgt Ion:112 Resp: 36239
Ion Ratio Lower Upper
112 100
64 54.5 45.7 68.5
63 30.3 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: 13.029 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampled :

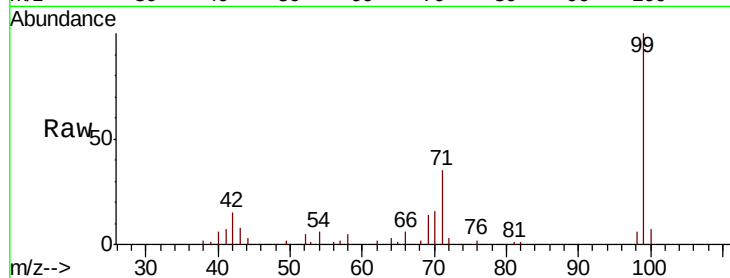
Tot Ion: 99 Resp: 58320

Ion Ratio Lower Upper

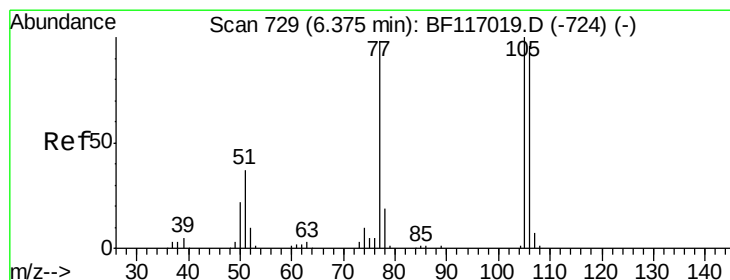
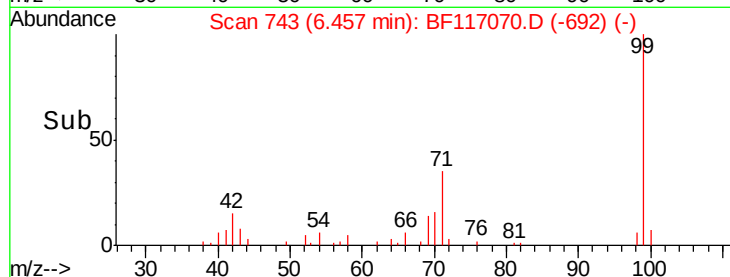
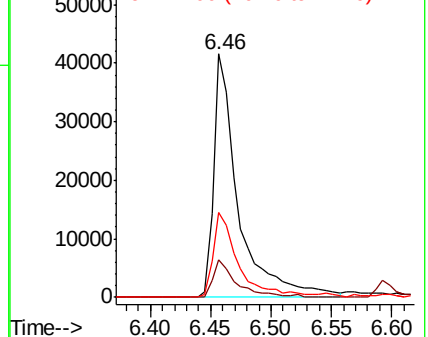
99 100

42 15.4 12.2 18.2

71 34.8 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: 6.59 min Scan# 766

Delta R.T. 0.22 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

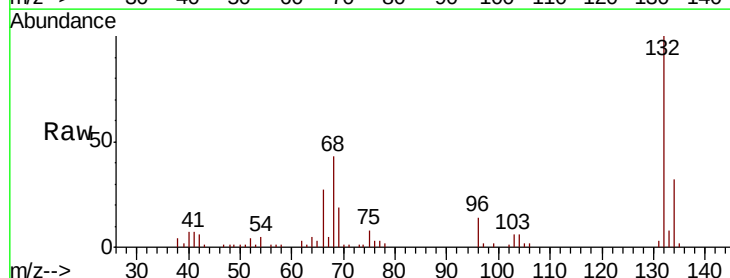
Tgt Ion: 77 Resp: 1033

Ion Ratio Lower Upper

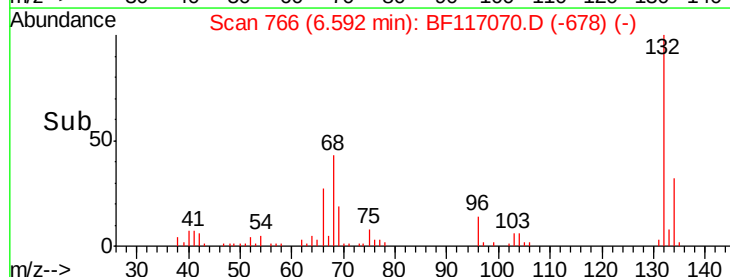
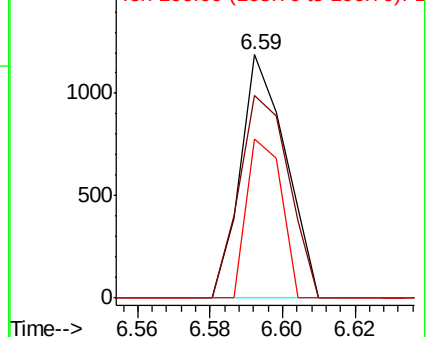
77 100

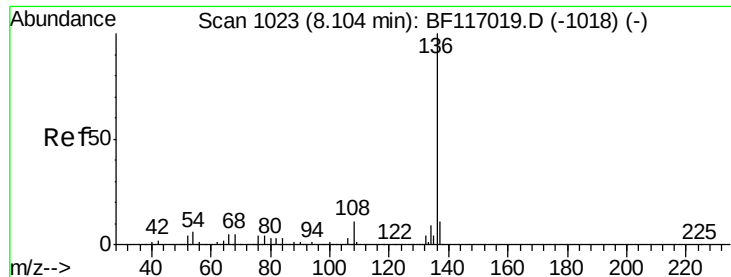
105 83.1 81.8 121.8

106 65.1 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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 230590

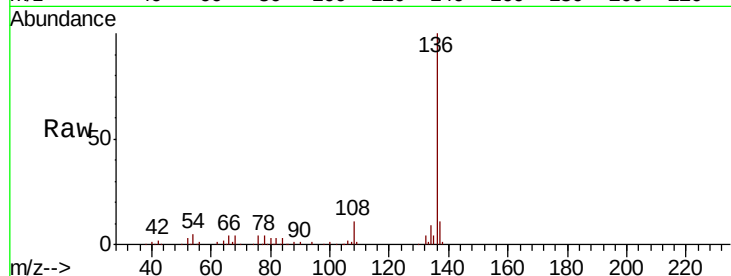
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 5.4 4.5 6.7

68 4.3 4.0 6.0

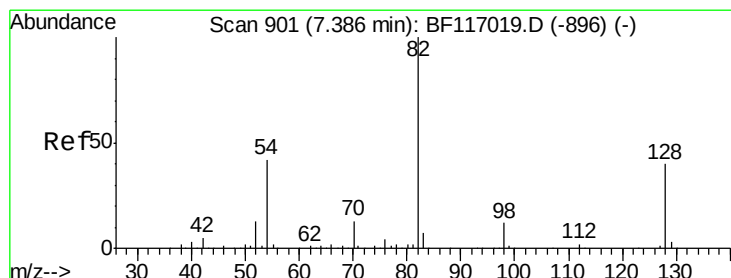
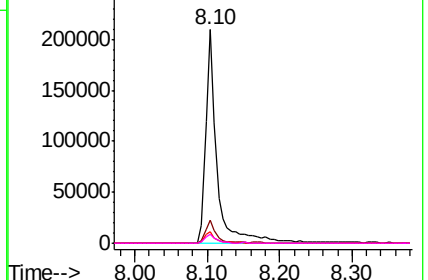
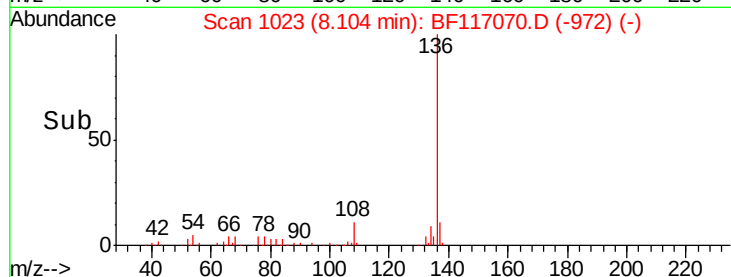


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.019 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

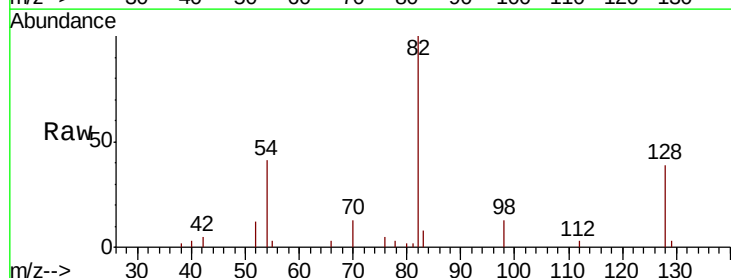
Tgt Ion: 82 Resp: 35191

Ion Ratio Lower Upper

82 100

128 39.4 32.3 48.5

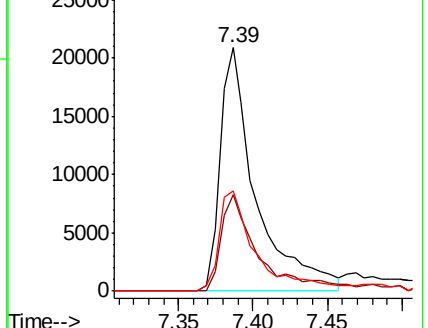
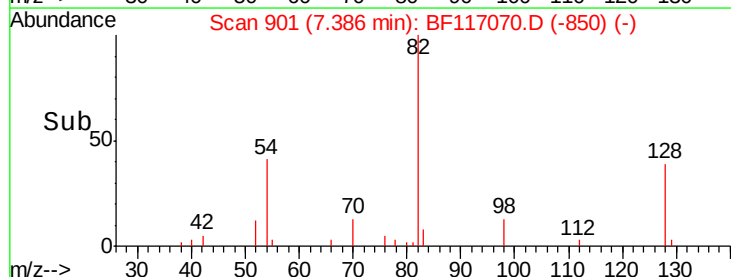
54 41.1 33.3 49.9

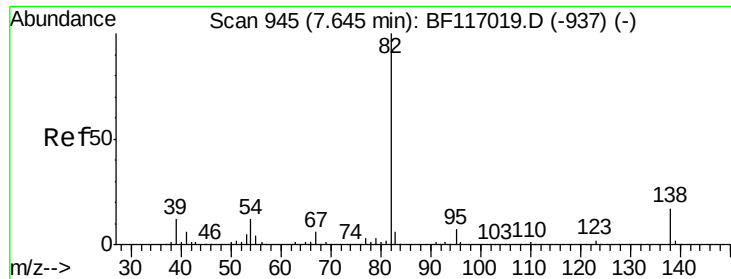


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 4.529 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

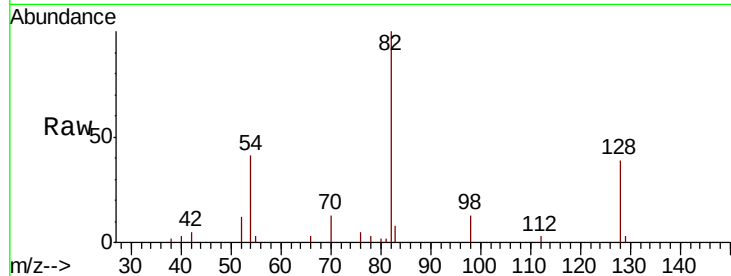
Tot Ion: 82 Resp: 35190

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

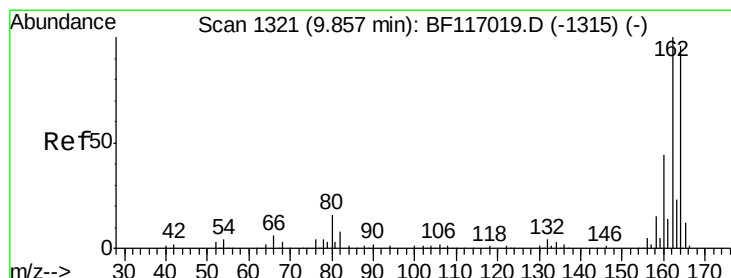
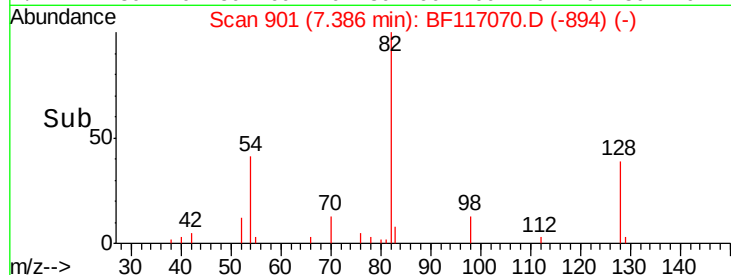
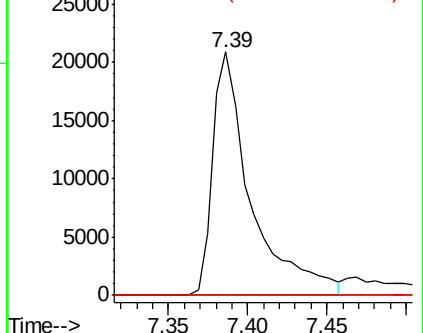
138 0.0 13.5 20.3#



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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

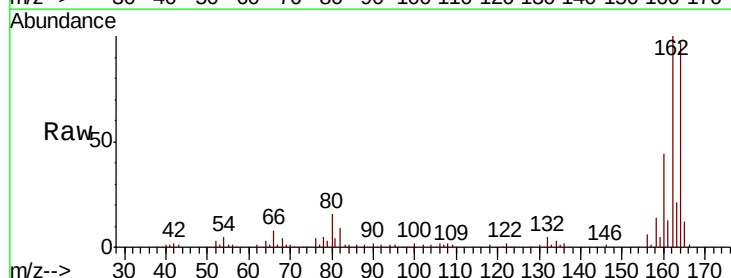
Tgt Ion: 164 Resp: 110747

Ion Ratio Lower Upper

164 100

162 103.4 83.4 125.2

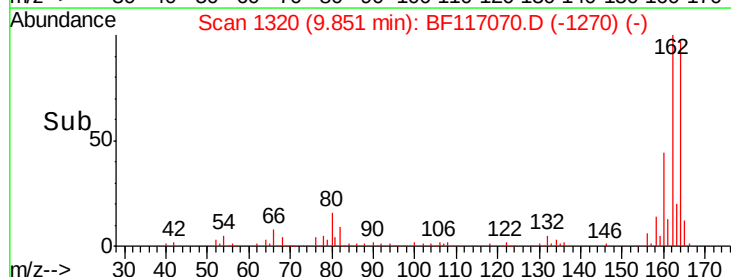
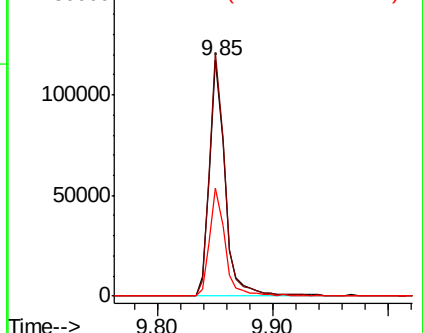
160 45.7 36.4 54.6

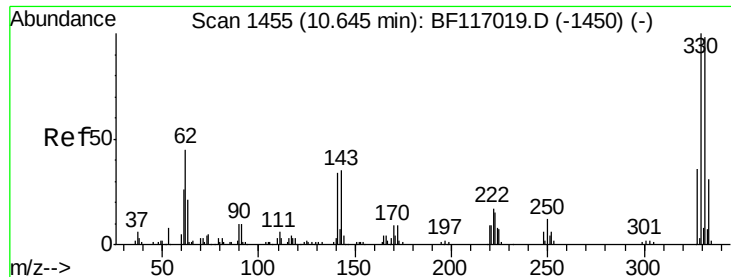


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 10.828 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampled :

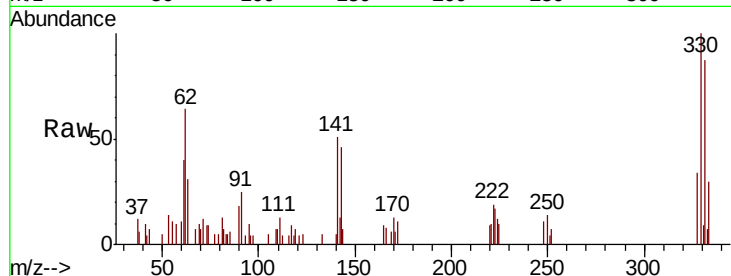
Tot Ion:330 Resp: 10022

Ion Ratio Lower Upper

330 100

332 90.2 78.0 117.0

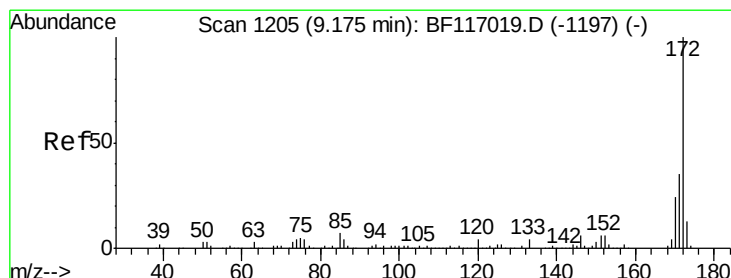
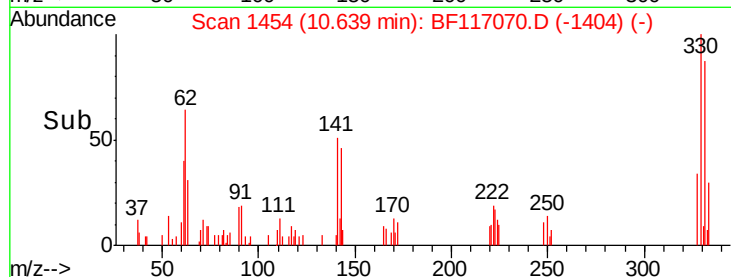
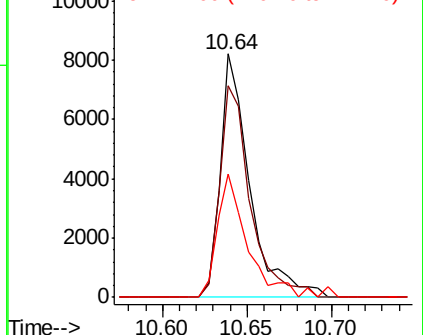
141 50.5 35.8 53.6



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: 10.636 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

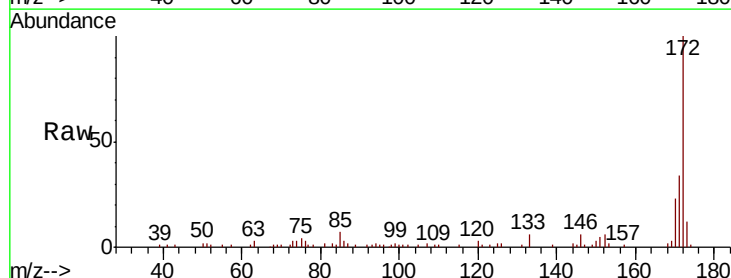
Tgt Ion:172 Resp: 75337

Ion Ratio Lower Upper

172 100

171 34.2 28.2 42.2

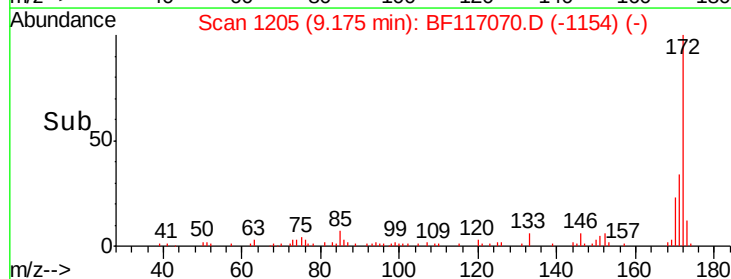
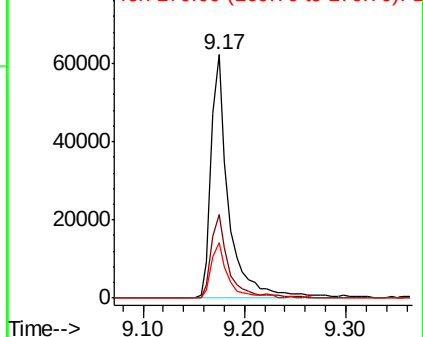
170 22.5 18.9 28.3

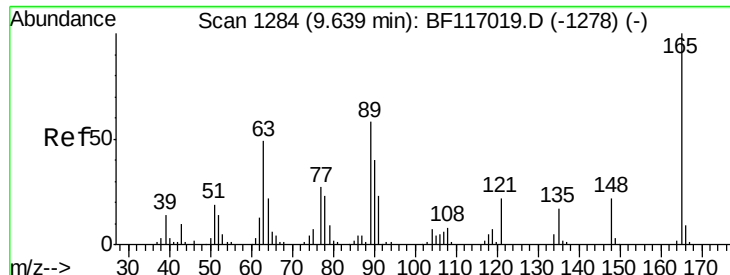


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

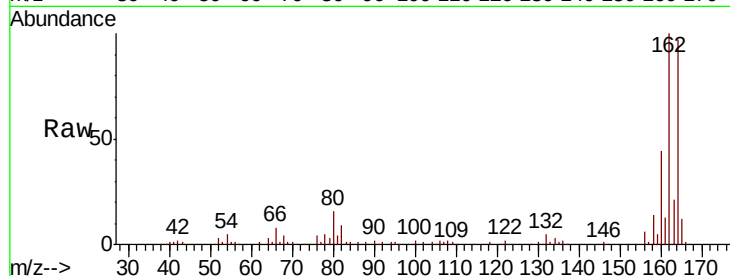




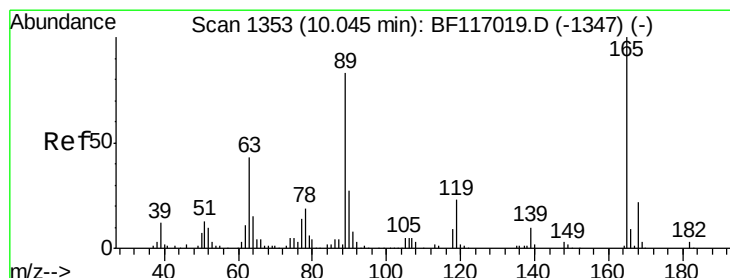
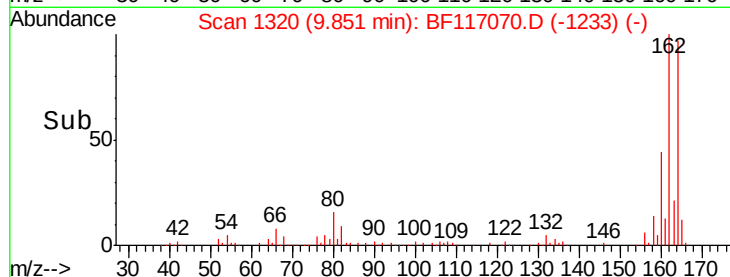
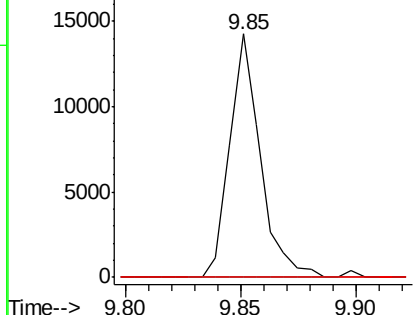
#51
 2,6-Dinitrotoluene
 Concen: 8.239 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



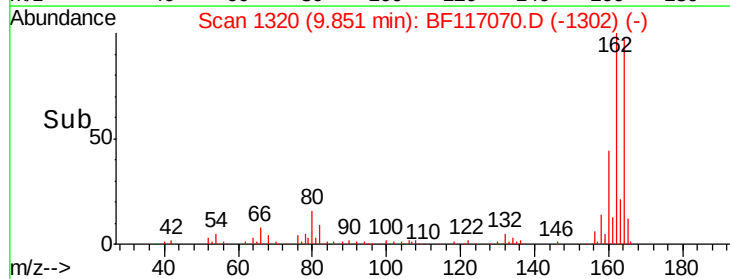
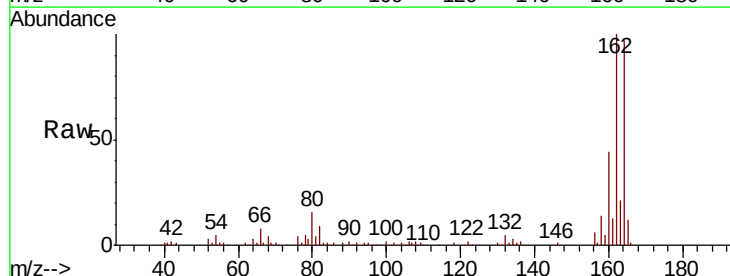
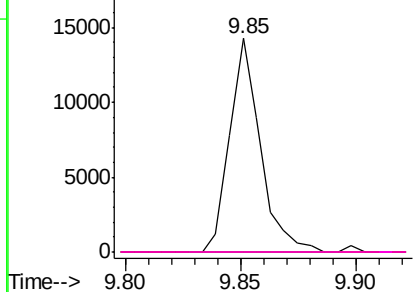
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

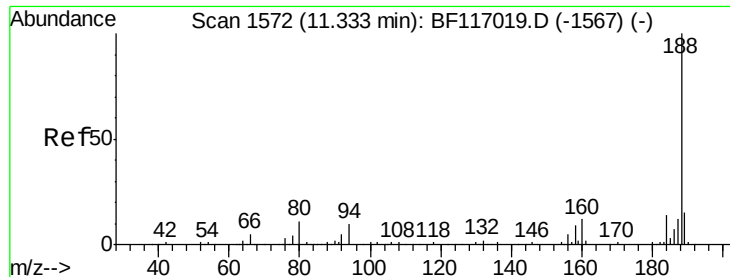


#57
 2,4-Dinitrotoluene
 Concen: 6.347 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

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: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

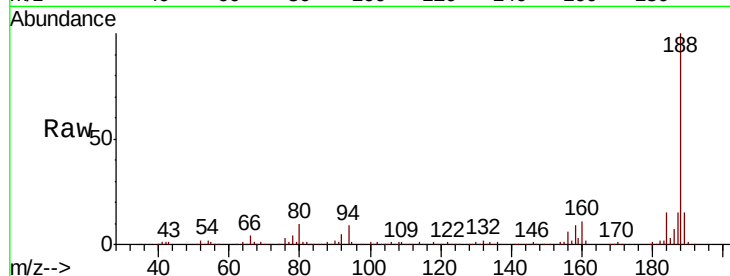
Tot Ion:188 Resp: 154779

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

80 10.2 9.0 13.6

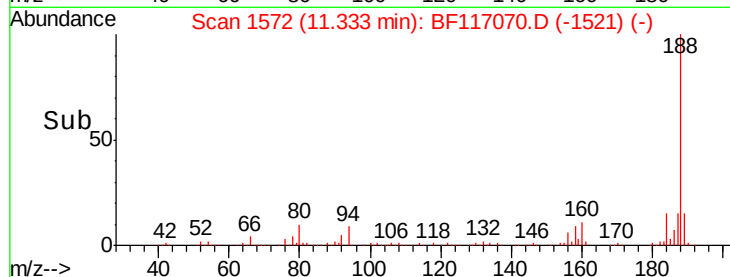


Abundance Ion 188.00 (187.70 to 188.70): E

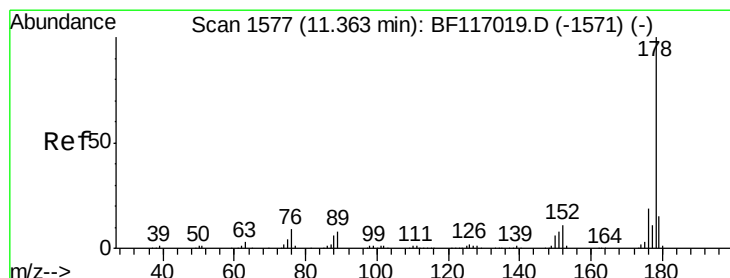
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#71

Phenanthrene

Concen: 2.292 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

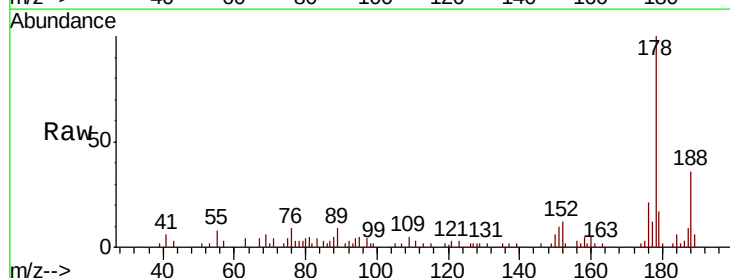
Tgt Ion:178 Resp: 20147

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.2

179 16.7 12.4 18.6

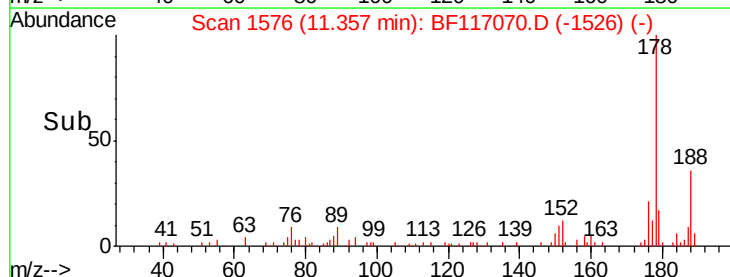


Abundance Ion 178.00 (177.70 to 178.70): E

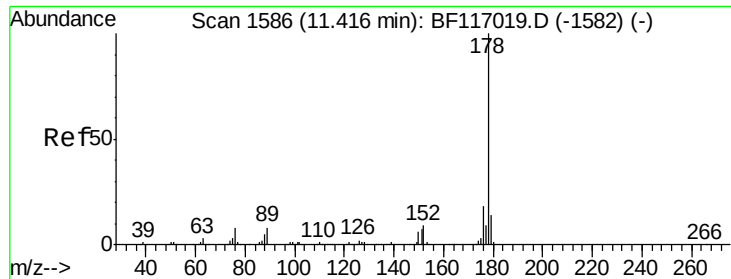
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



#72

Anthracene

Concen: 2.245 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.06 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

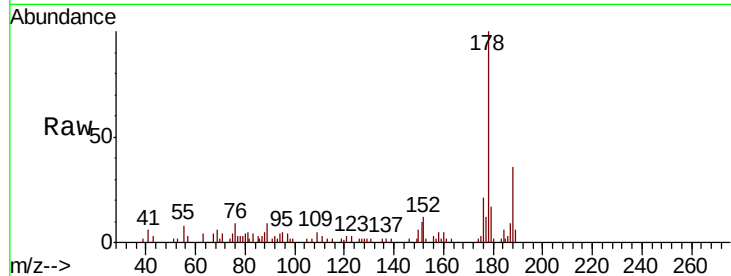
Tot Ion:178 Resp: 20147

Ion Ratio Lower Upper

178 100

176 20.7 14.6 21.8

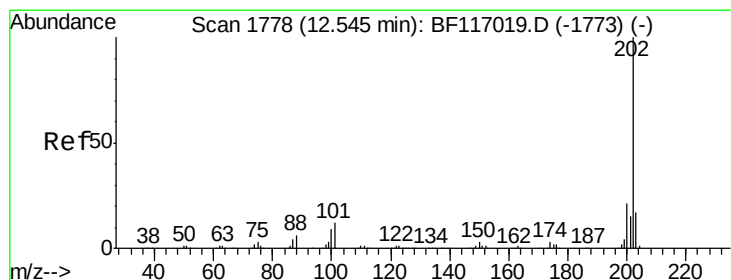
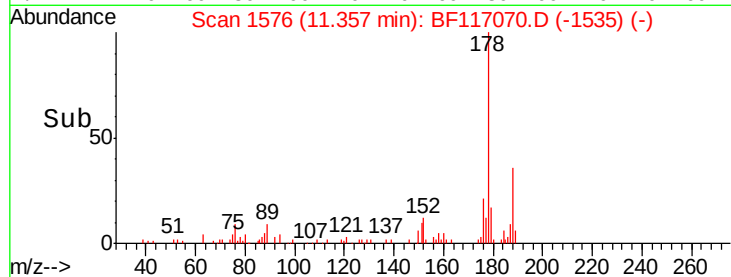
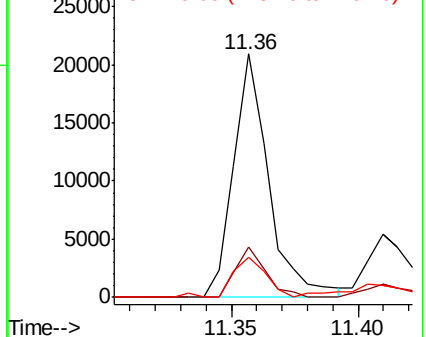
179 16.7 11.6 17.4



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: 4.311 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

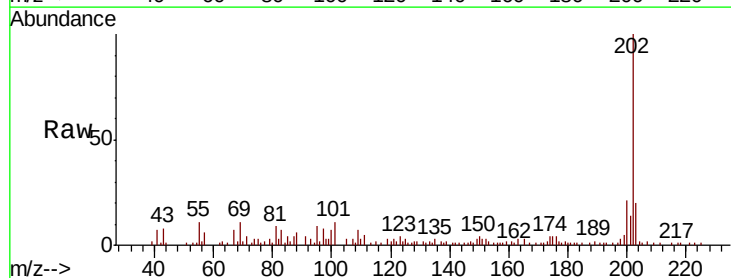
Tgt Ion:202 Resp: 38944

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.3

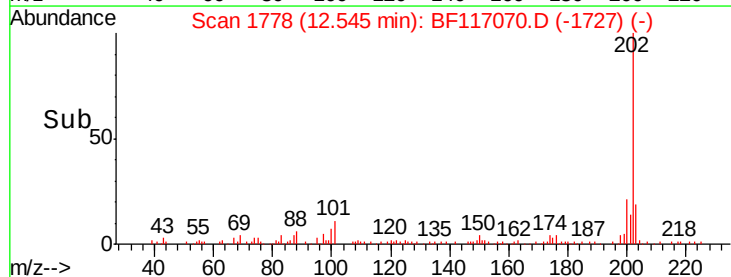
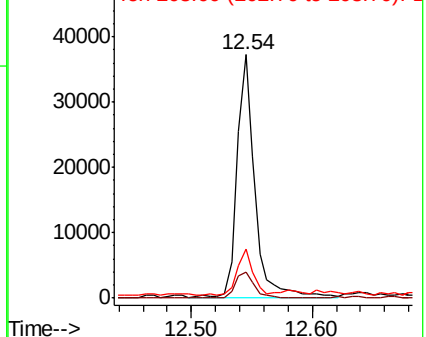
203 20.2 0.0 37.1

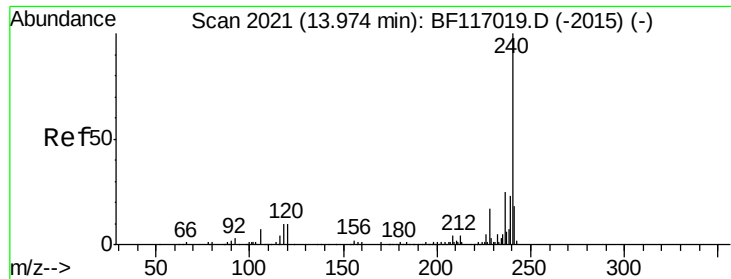


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampled :

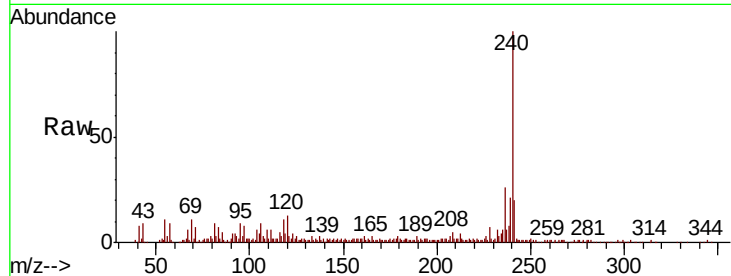
Tot Ion:240 Resp: 110611

Ion Ratio Lower Upper

240 100

120 13.4 8.3 12.5#

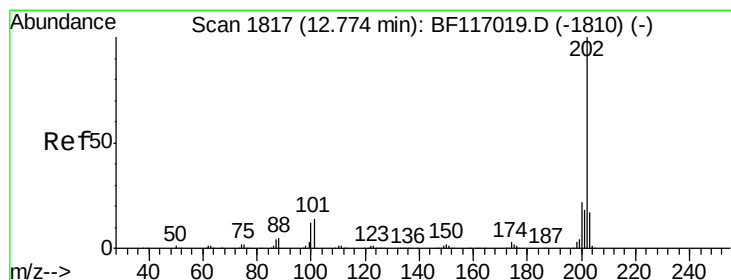
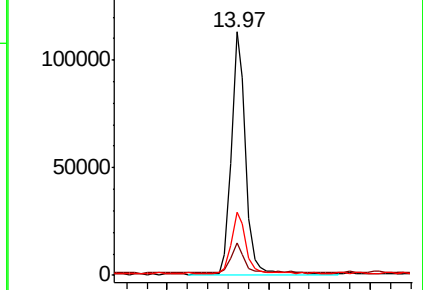
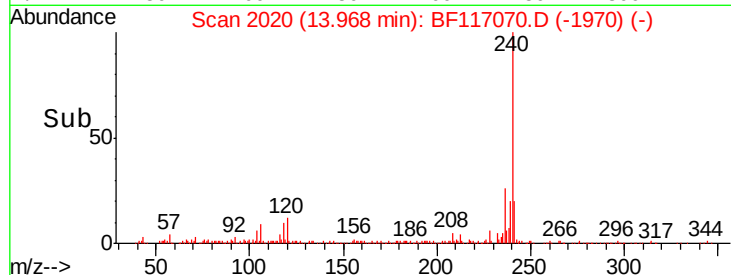
236 26.1 20.3 30.5



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: 4.020 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.00 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

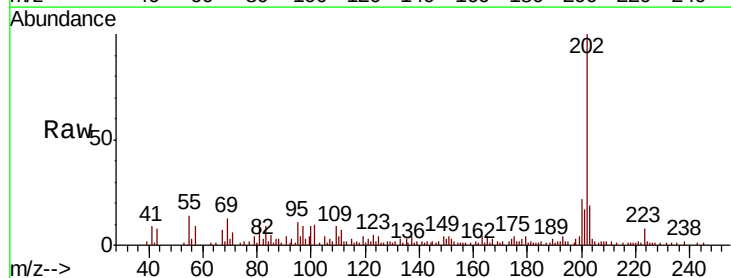
Tgt Ion:202 Resp: 37308

Ion Ratio Lower Upper

202 100

200 21.9 17.2 25.8

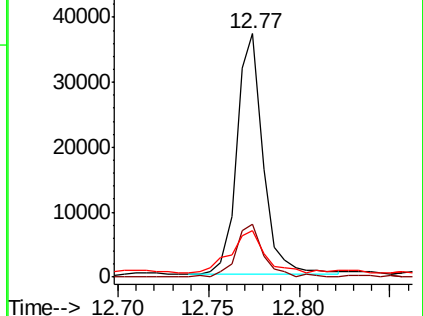
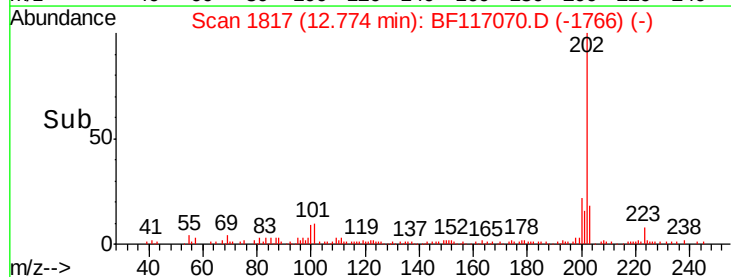
203 19.3 14.0 21.0

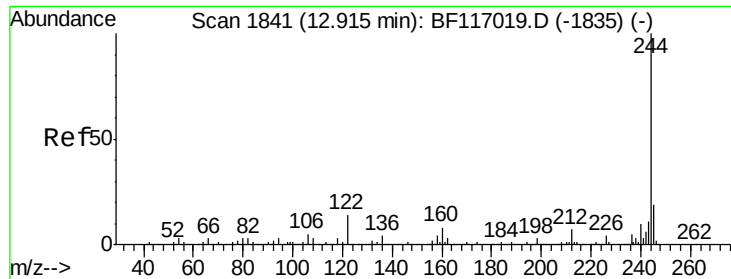


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

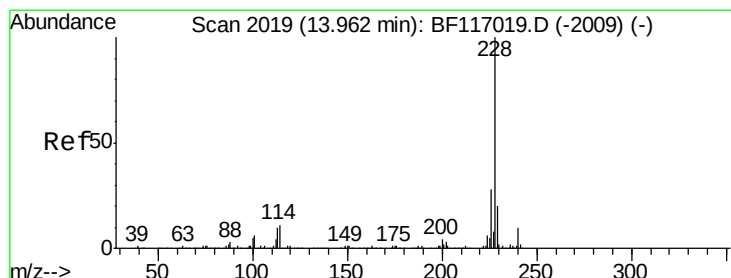
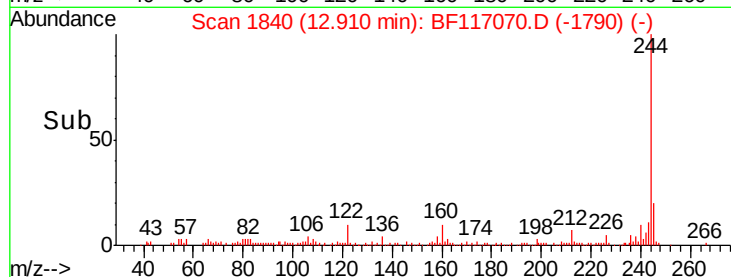
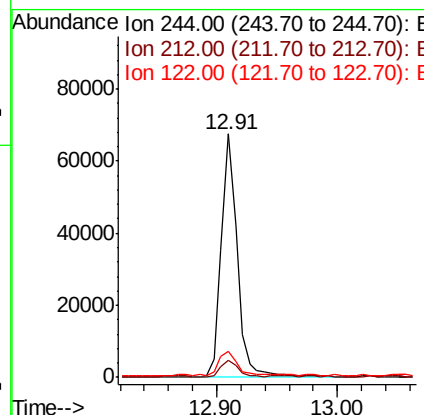
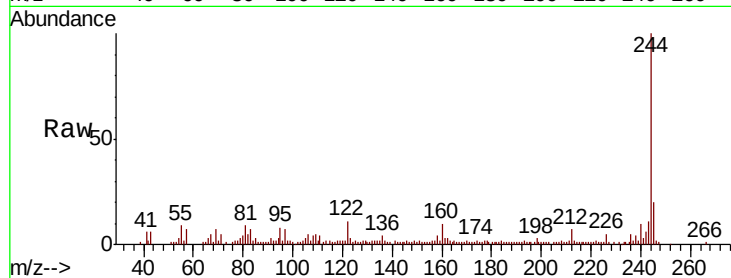




#79
 Terphenyl-d14
 Concen: 10.434 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

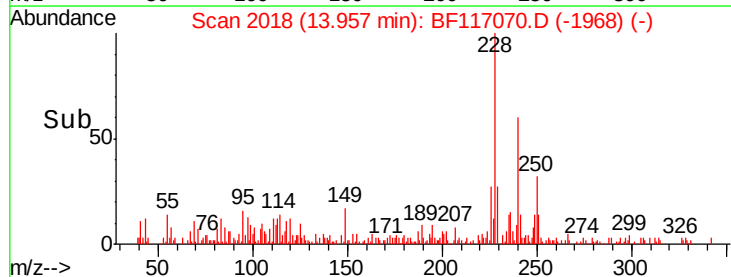
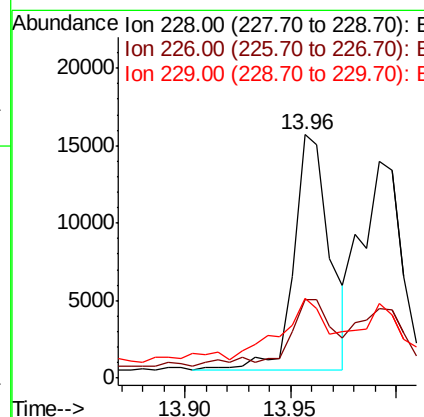
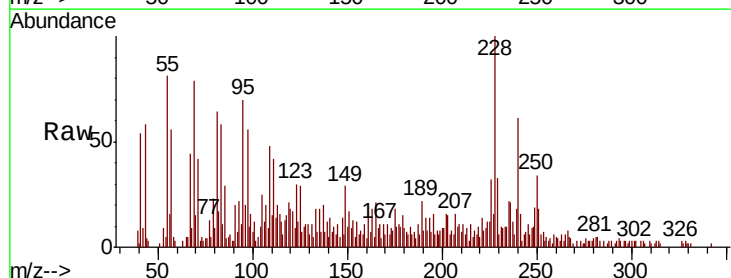
Instrument :
 BNA_F
 ClientSampleId :

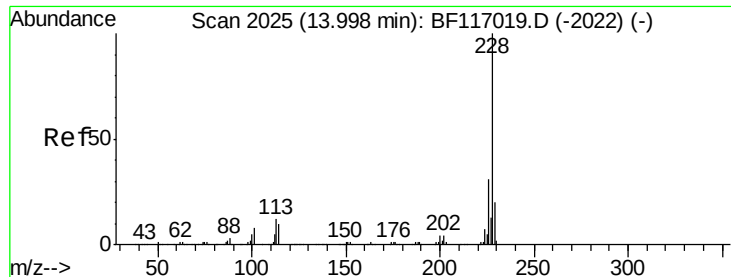
Tot Ion:244 Resp: 61743
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.9 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 2.463 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Tgt Ion:228 Resp: 18204
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.3 33.5
 229 32.8 15.9 23.9#

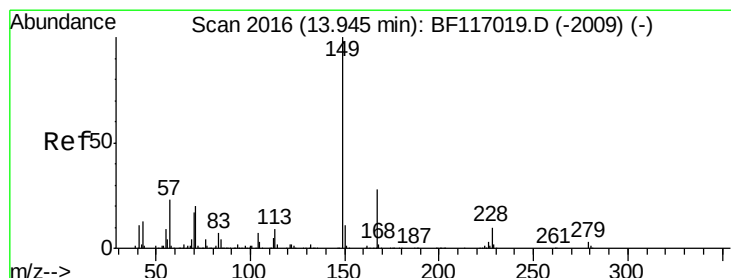
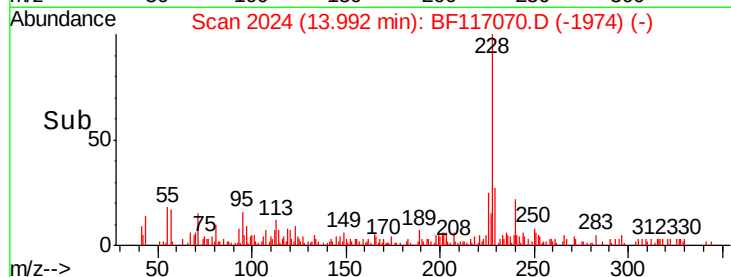
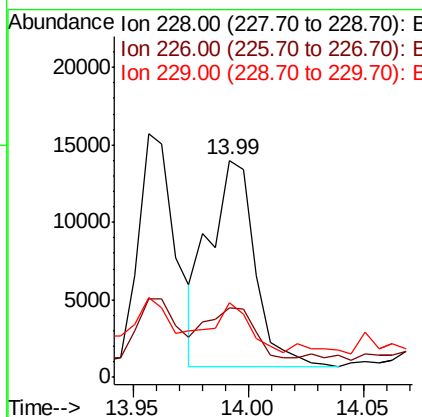
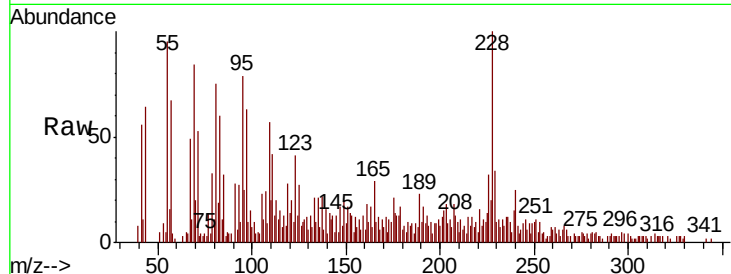




#83
Chrysene
Concen: 2.522 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

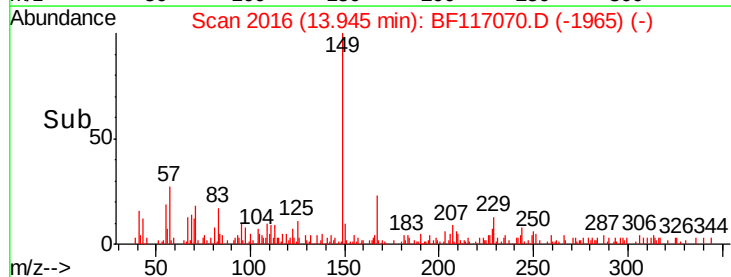
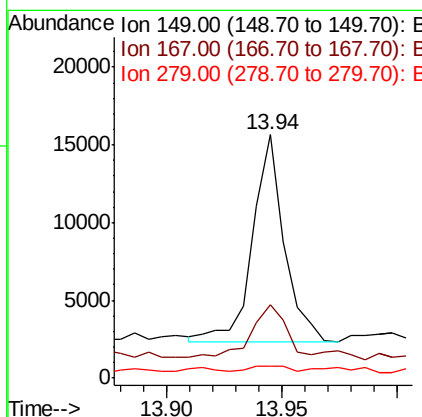
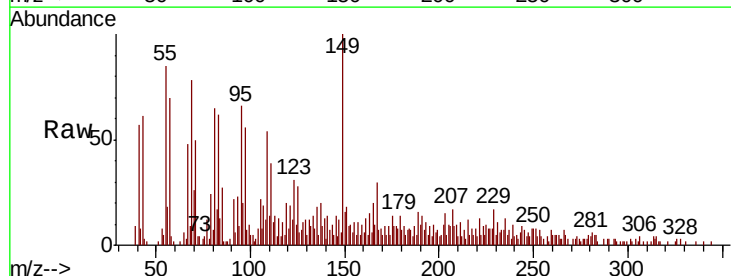
Instrument :
BNA_F
ClientSampled :

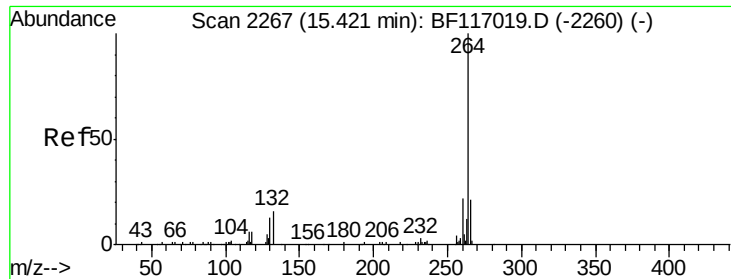
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.8	37.2
229	34.3	15.8	23.8#



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.242 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.9	22.2	33.2
279	4.9	2.8	4.2#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

Instrument :

BNA_F

ClientSampleId :

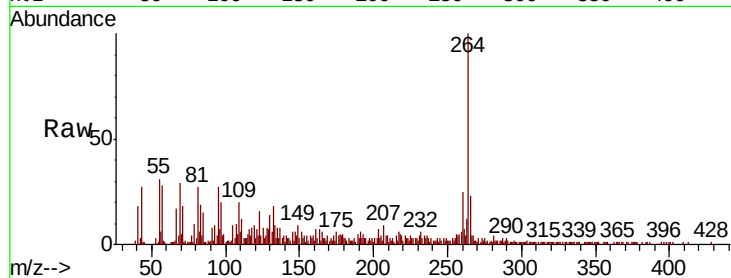
Tot Ion:264 Resp: 77708

Ion Ratio Lower Upper

264 100

260 24.8 17.6 26.4

265 23.4 16.6 24.8

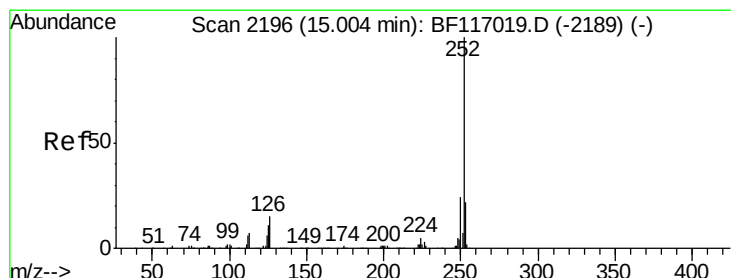
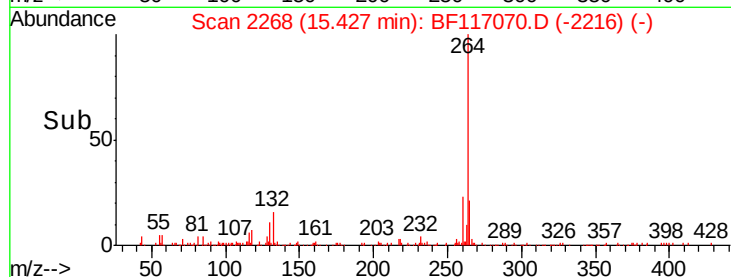
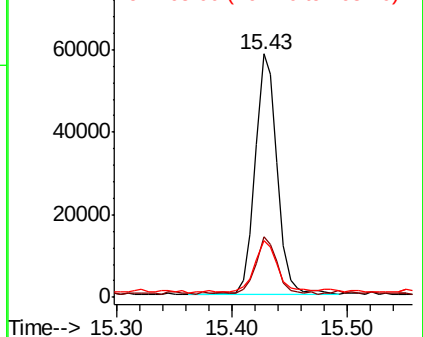


Abundance

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: 4.488 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117070.D

Acq: 16 Sep 2019 18:25

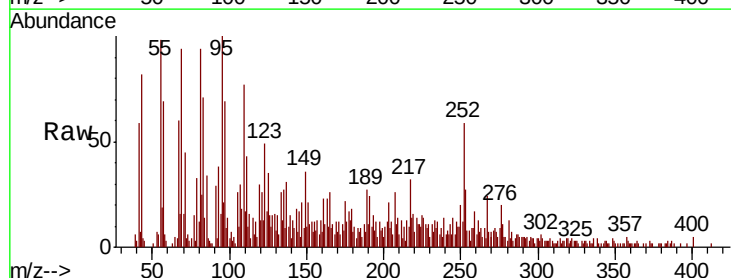
Tgt Ion:252 Resp: 21125

Ion Ratio Lower Upper

252 100

253 46.6 17.6 26.4#

125 60.2 8.6 12.8#

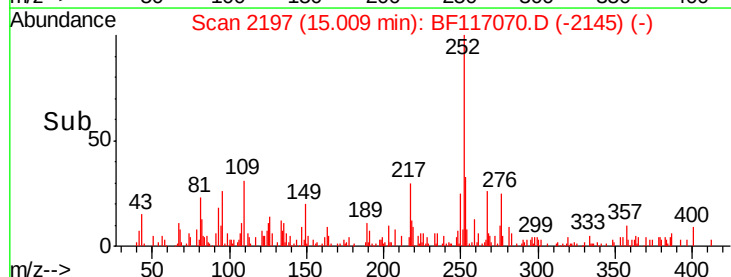
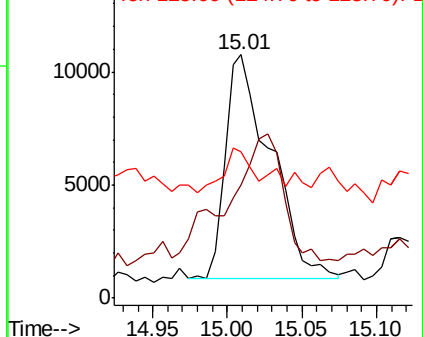


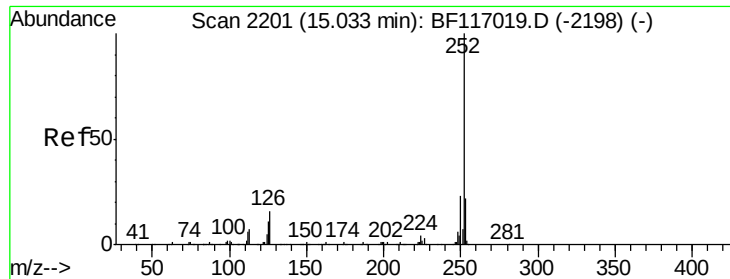
Abundance

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

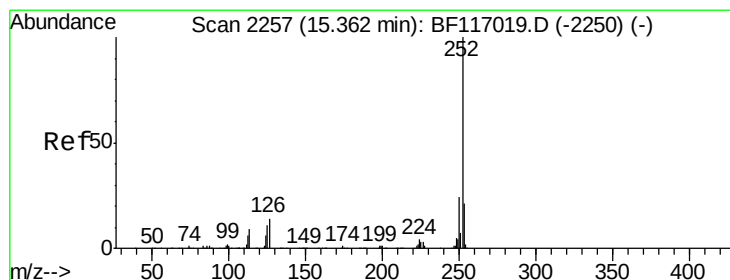
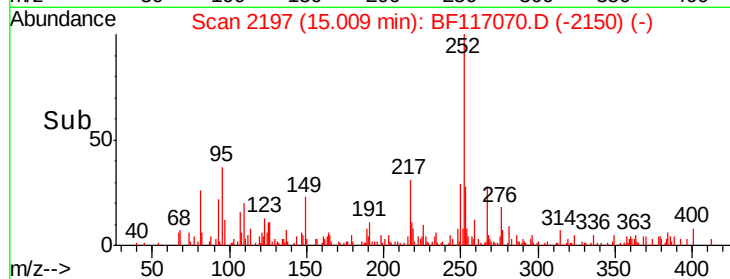
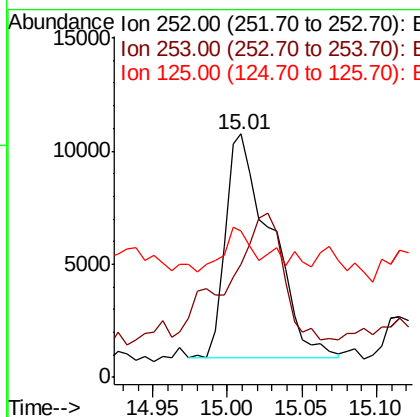
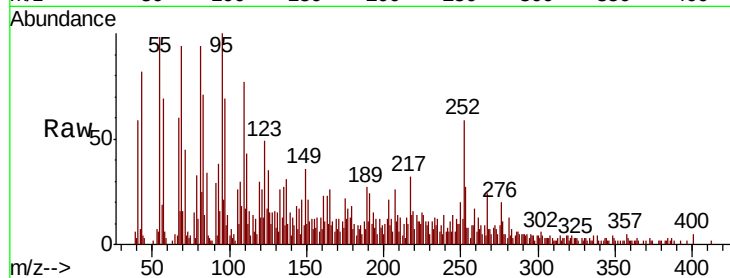




#89
Benzo(k)fluoranthene
Concen: 4.736 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

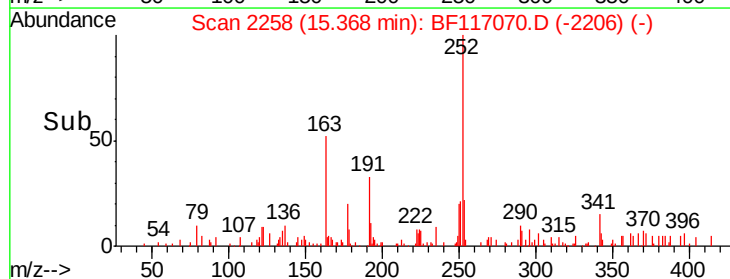
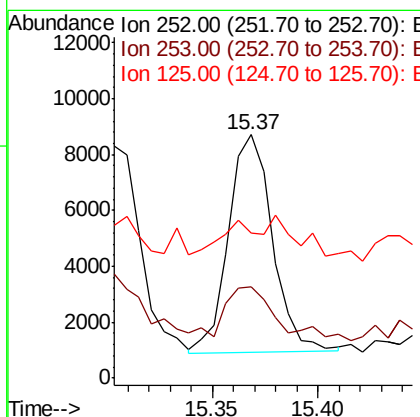
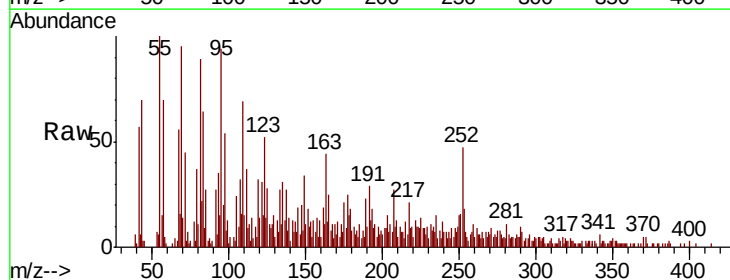
Instrument :
BNA_F
ClientSampleId :

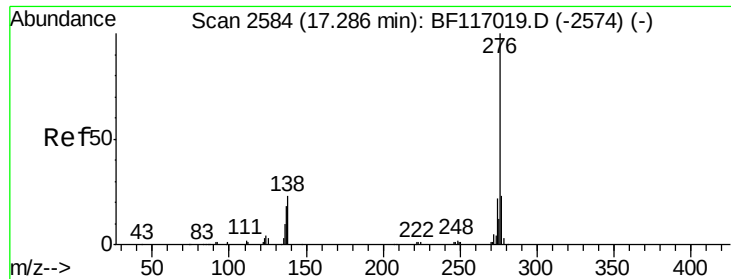
Tot Ion	Ratio	Lower	Upper
252	100		
253	46.6	17.4	26.2#
125	60.2	8.8	13.2#



#90
Benzo(a)pyrene
Concen: 2.729 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117070.D
Acq: 16 Sep 2019 18:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.4	16.6	25.0#
125	59.6	8.9	13.3#

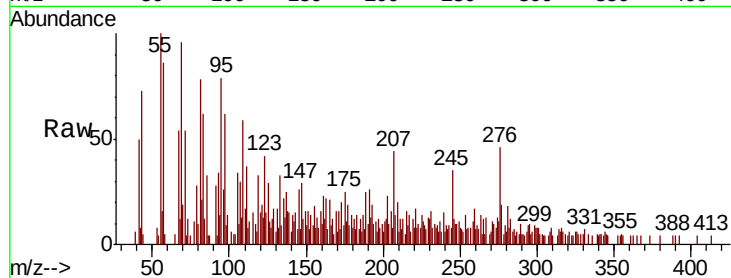




#92
 Benzo(a,h,i)perylene
 Concen: 2.050 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.02 min
 Lab File: BF117070.D
 Acq: 16 Sep 2019 18:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 6722
 Ion Ratio Lower Upper
 276 100
 277 42.0 18.6 27.8#
 138 34.3 18.0 27.0#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

