

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100919\
 Data File : BF117356.D
 Acq On : 9 Oct 2019 15:45
 Operator : JU
 Sample : K5281-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 09 22:52:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	42993	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	175369	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	89274	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	128502	20.00	ng	0.00
76) Chrysene-d12	13.97	240	85389	20.00	ng	0.00
87) Perylene-d12	15.43	264	101842	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	252429	91.67	ng	0.00
7) Phenol-d6	6.45	99	351596	98.79	ng	0.00
23) Nitrobenzene-d5	7.36	82	225263	67.49	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	66345	88.92	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	393586	68.93	ng	0.00
79) Terphenyl-d14	12.90	244	278657	61.00	ng	0.00

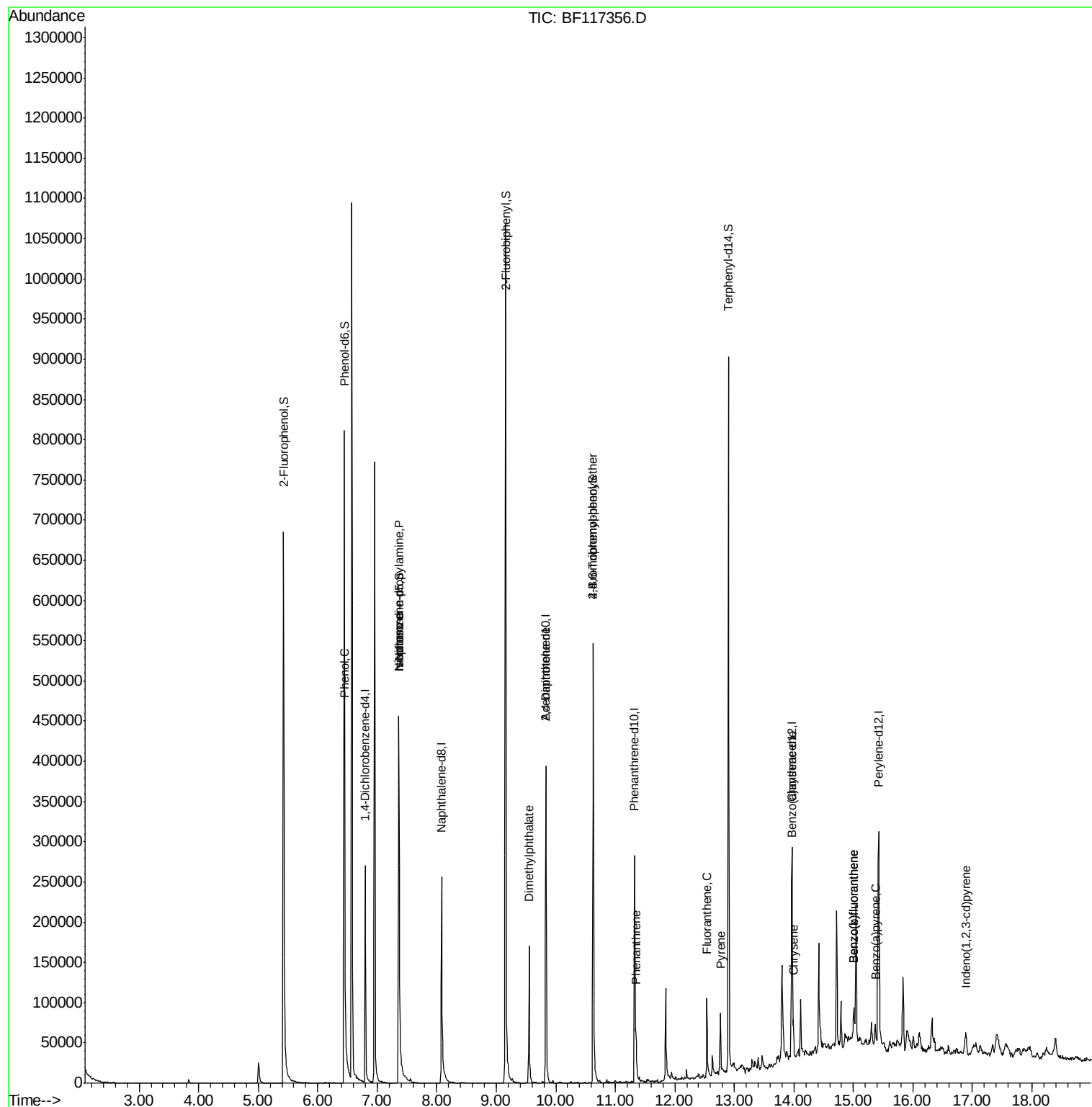
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	574	Below Cal		# 1
10) Phenol	6.46	94	11751	2.995	ng	84
19) n-Nitroso-di-n-propylamine	7.36	70	28008	12.924	ng	# 84
25) Isophorone	7.36	82	225261	38.118	ng	# 66
50) Dimethylphthalate	9.55	163	83790	13.256	ng	98
57) 2,4-Dinitrotoluene	9.83	165	10825	6.478	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	3987	3.038	ng	# 1
71) Phenanthrene	11.35	178	19028	2.607	ng	97
75) Fluoranthene	12.54	202	43045	5.740	ng	95
78) Pyrene	12.77	202	34350	4.794	ng	99
81) Benzo(a)anthracene	13.96	228	16850	2.954	ng	98
83) Chrysene	13.99	228	17147	3.082	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	8930	2.200	ng	97
88) Benzo(b)fluoranthene	15.00	252	28867	4.679	ng	# 87
89) Benzo(k)fluoranthene	15.00	252	28867	4.940	ng	# 87
90) Benzo(a)pyrene	15.37	252	15335	2.833	ng	# 82

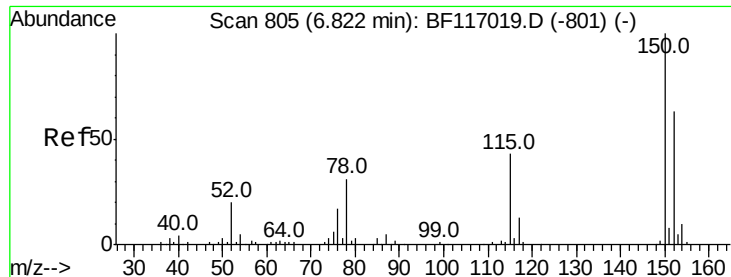
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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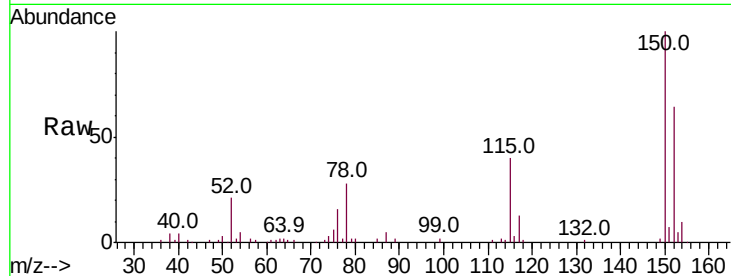


#1

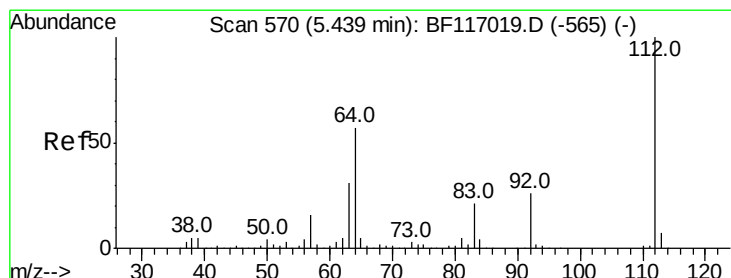
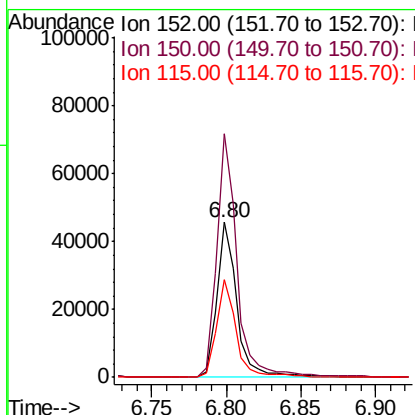
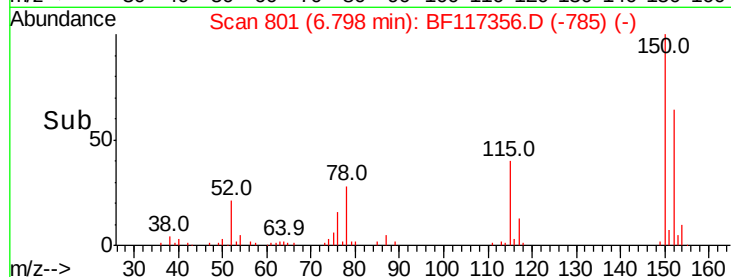
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 42993
Ion Ratio Lower Upper
152 100
150 156.9 127.5 191.3
115 63.0 55.0 82.4



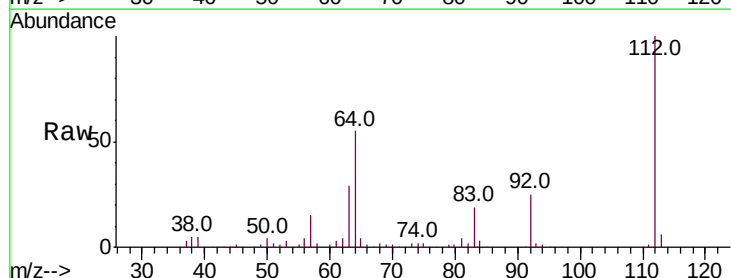
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



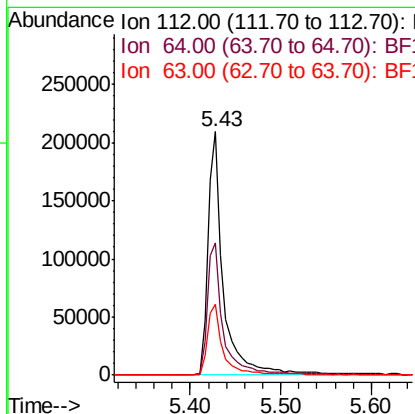
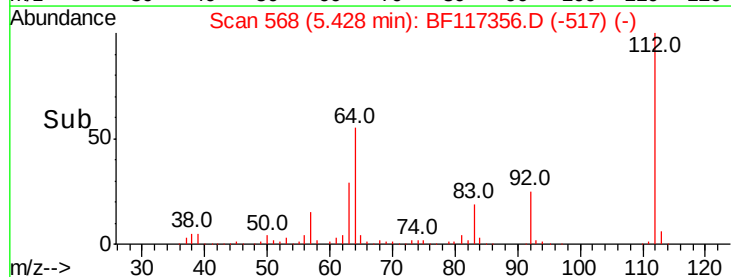
#5

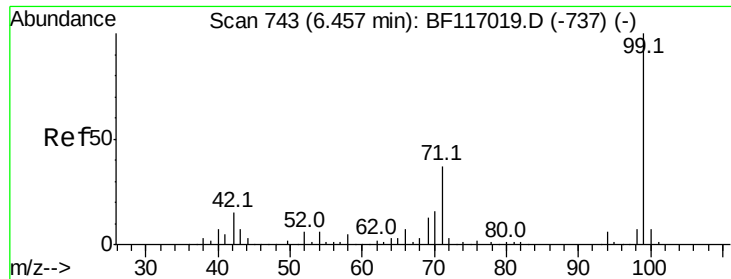
2-Fluorophenol
Concen: 91.667 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:112 Resp: 252429
Ion Ratio Lower Upper
112 100
64 54.5 45.7 68.5
63 29.3 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: 98.795 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

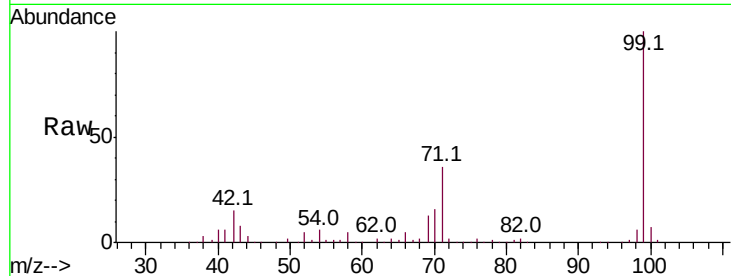
Tot Ion: 99 Resp: 351596

Ion Ratio Lower Upper

99 100

42 15.1 12.2 18.2

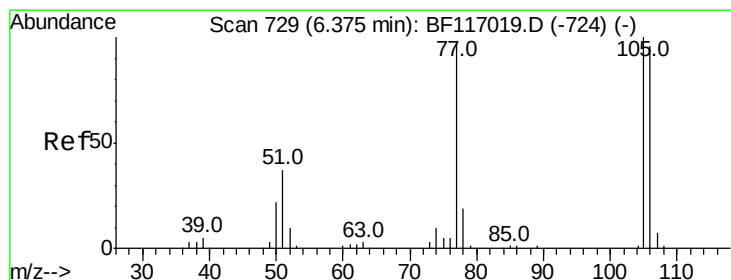
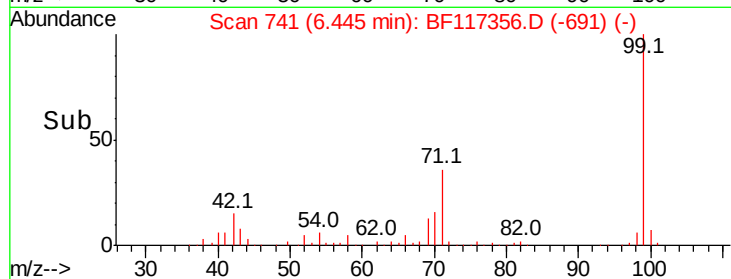
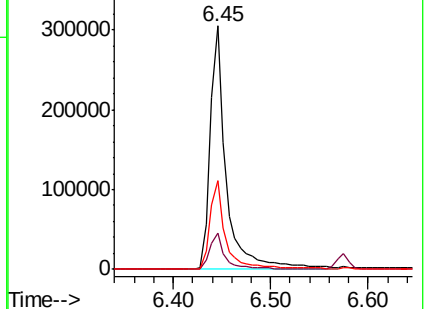
71 36.5 29.8 44.8



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: 6.45 min Scan# 741

Delta R.T. 0.09 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

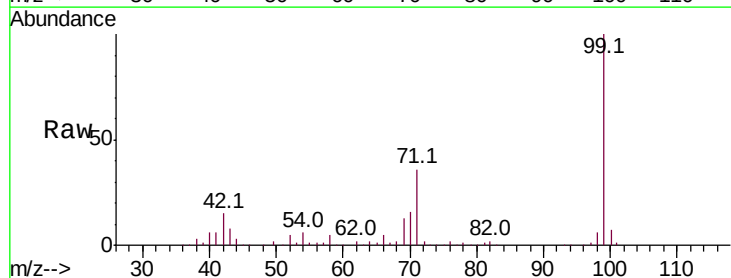
Tgt Ion: 77 Resp: 574

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

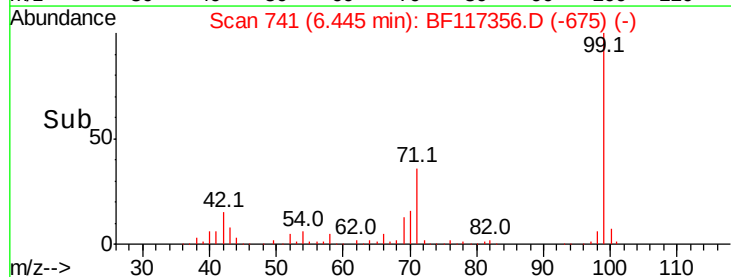
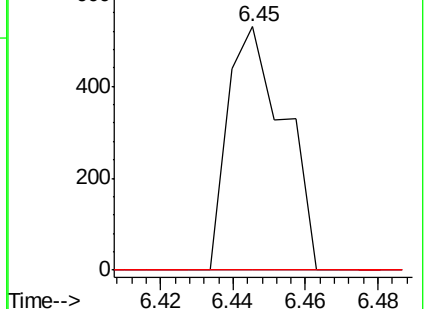
106 0.0 77.3 117.3#

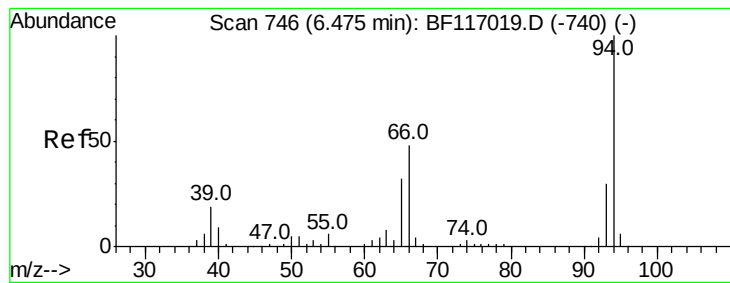


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.995 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampled :

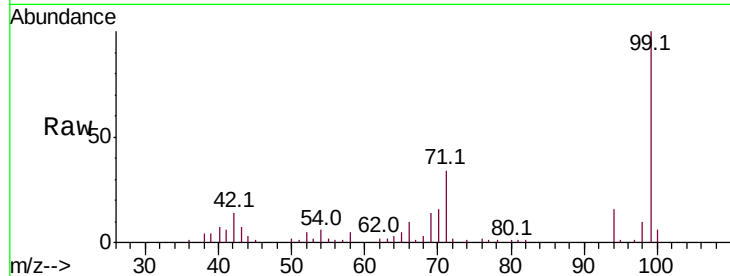
Tot Ion: 94 Resp: 11751

Ion Ratio Lower Upper

94 100

65 30.0 12.5 52.5

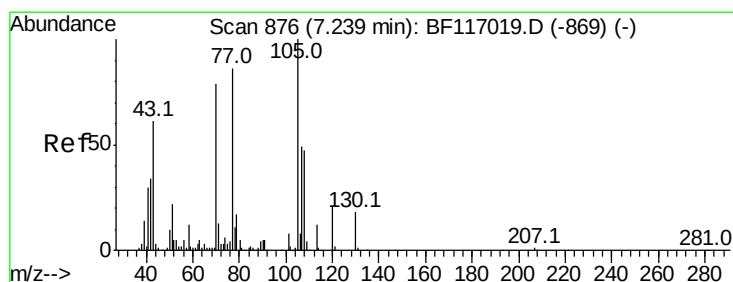
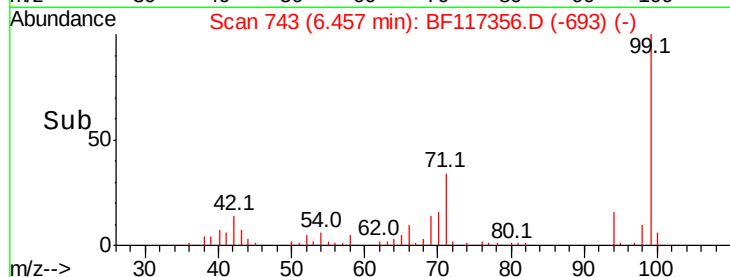
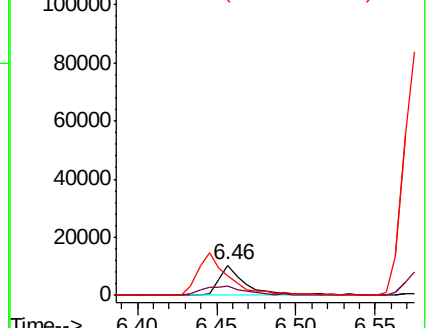
66 64.7 28.9 68.9



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: 12.924 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.14 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Tgt Ion: 70 Resp: 28008

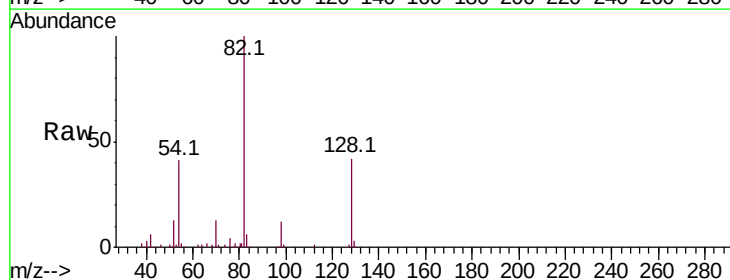
Ion Ratio Lower Upper

70 100

42 42.3 34.0 51.0

101 0.0 7.8 11.6#

130 1.9 17.8 26.8#

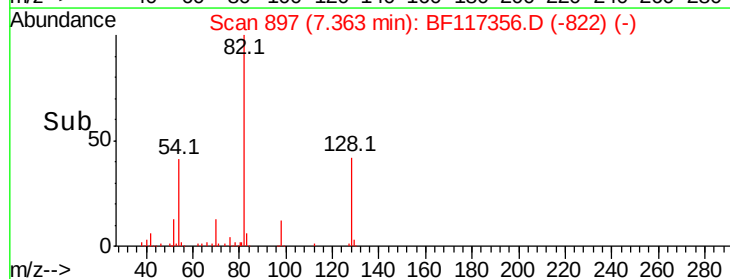
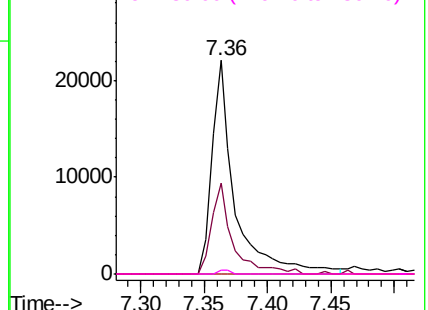


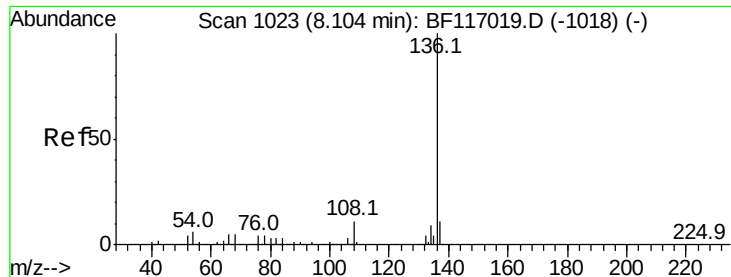
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

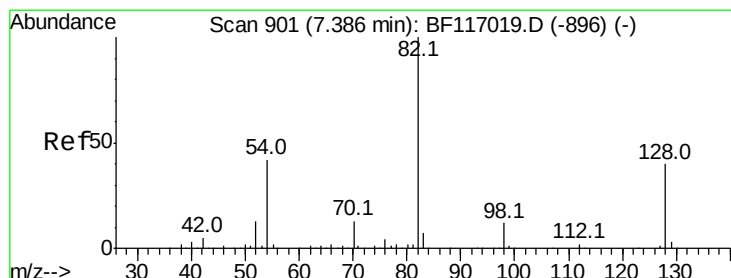
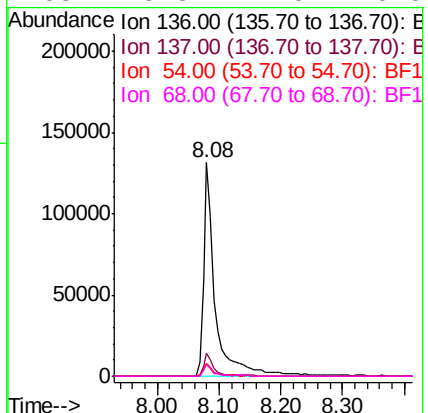
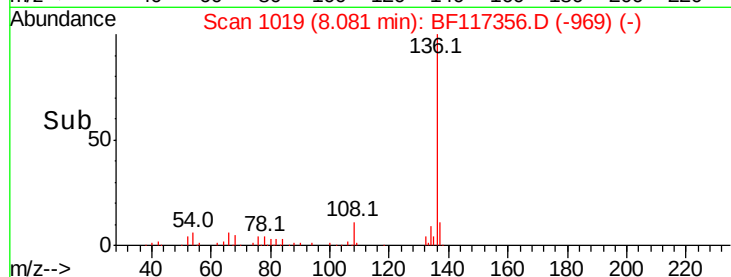
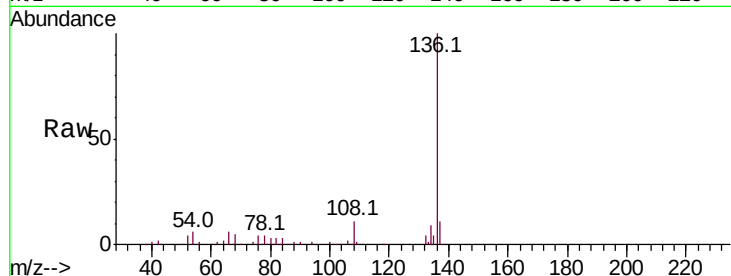




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

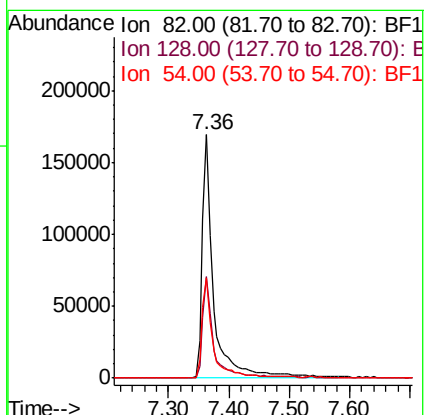
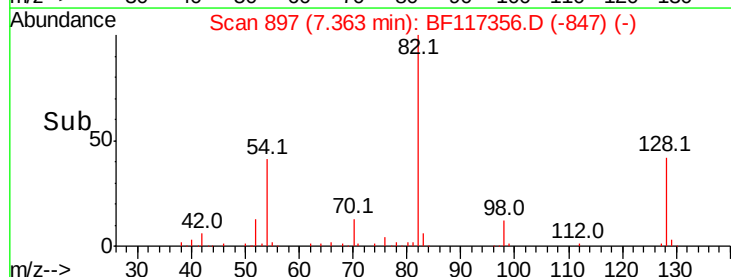
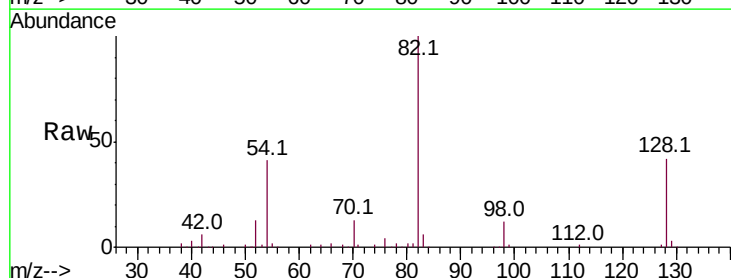
Instrument :
BNA_F
ClientSampleId :

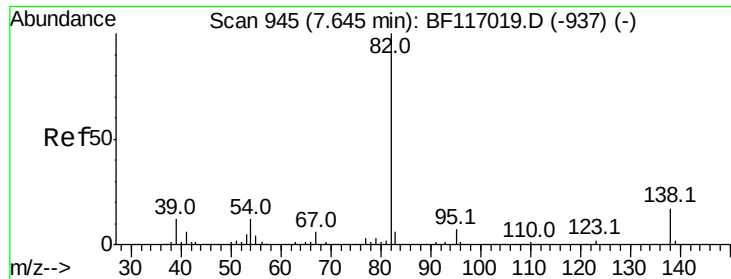
Tot Ion:136	Resp:	175369
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.0 13.4
54	5.8	4.5 6.7
68	5.3	4.0 6.0



#23
Nitrobenzene-d5
Concen: 67.491 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion: 82	Resp:	225263
Ion	Ratio	Lower Upper
82	100	
128	41.9	32.3 48.5
54	41.0	33.3 49.9





#25

Isophorone

Concen: 38.118 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

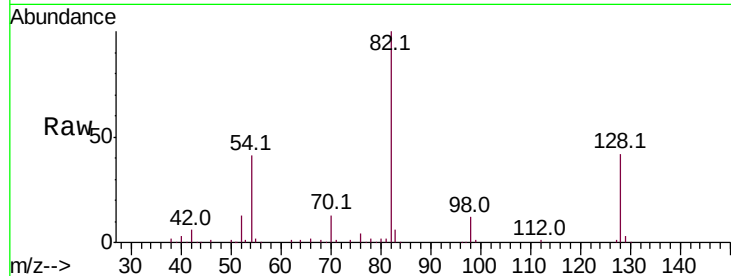
Tot Ion: 82 Resp: 225261

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

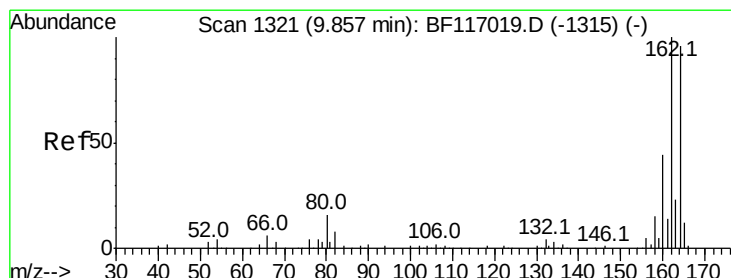
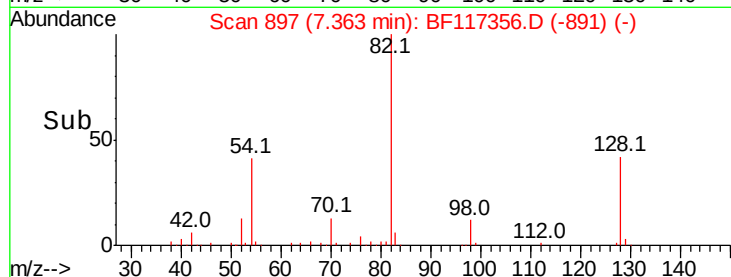
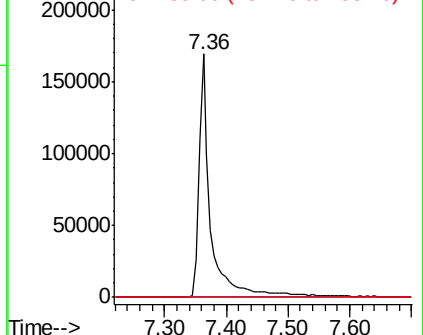
138 0.0 13.5 20.3#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

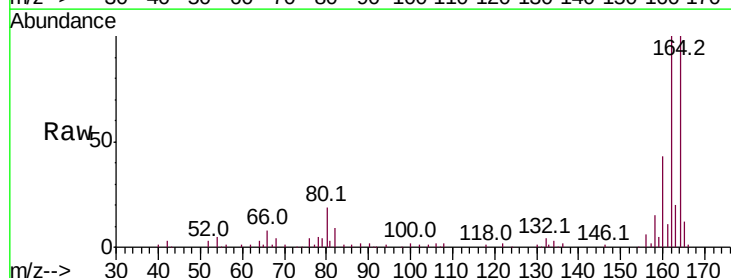
Tgt Ion:164 Resp: 89274

Ion Ratio Lower Upper

164 100

162 99.7 83.4 125.2

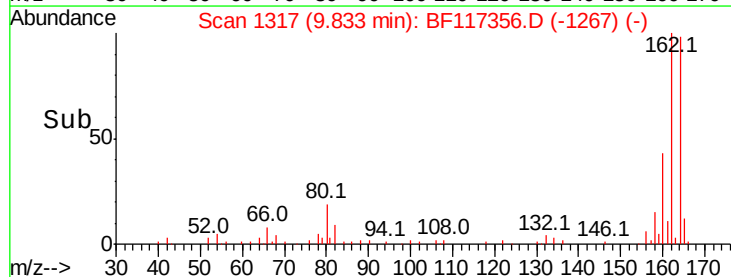
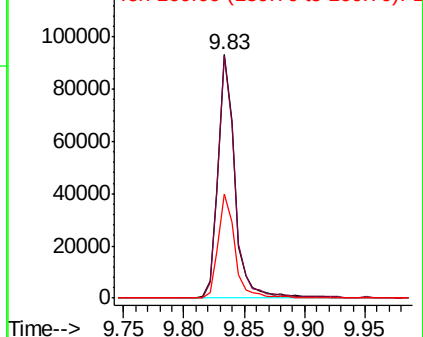
160 42.7 36.4 54.6

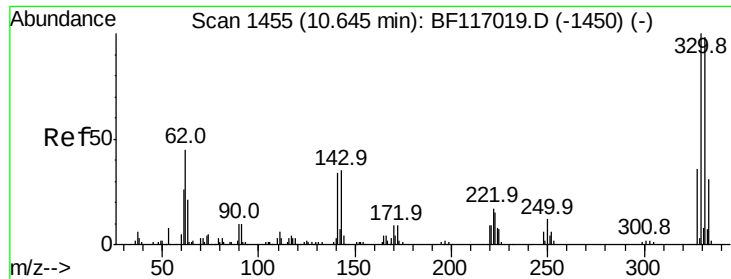


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

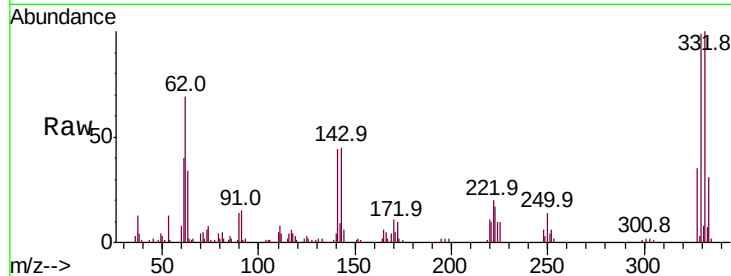




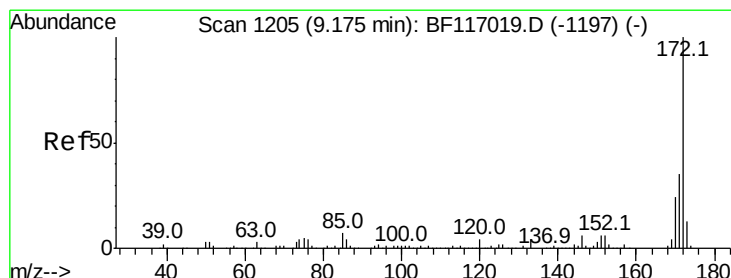
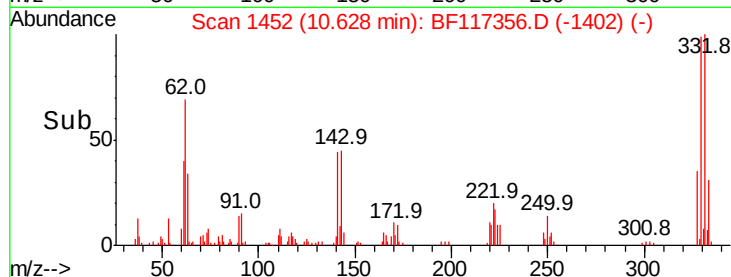
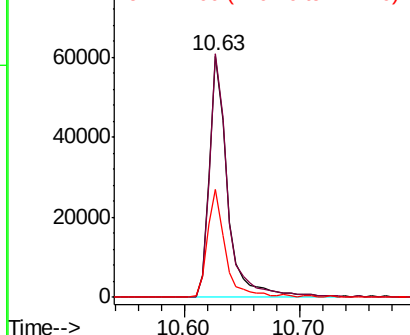
#42
 2,4,6-Tribromophenol
 Concen: 88.919 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF117356.D
 Acq: 9 Oct 2019 15:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 66345
 Ion Ratio Lower Upper
 330 100
 332 99.9 78.0 117.0
 141 44.1 35.8 53.6

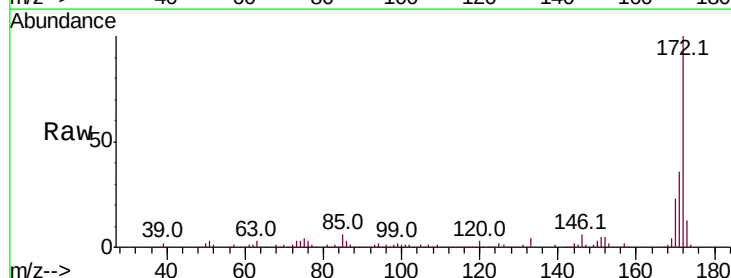


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

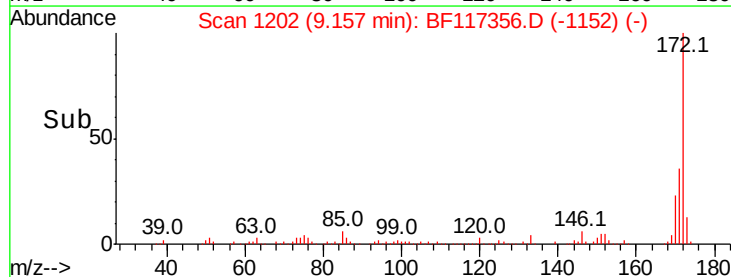
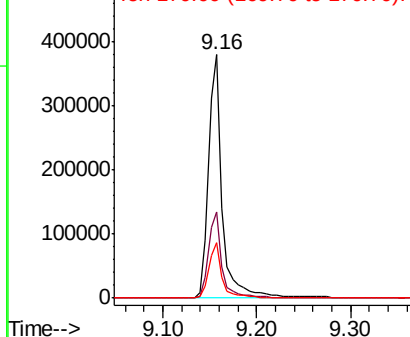


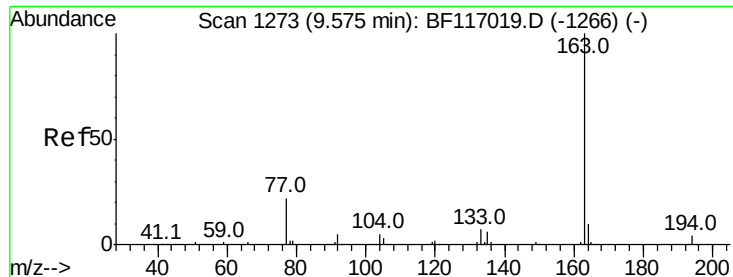
#45
 2-Fluorobiphenyl
 Concen: 68.934 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF117356.D
 Acq: 9 Oct 2019 15:45

Tgt Ion:172 Resp: 393586
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.2 42.2
 170 22.7 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: 13.256 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampled :

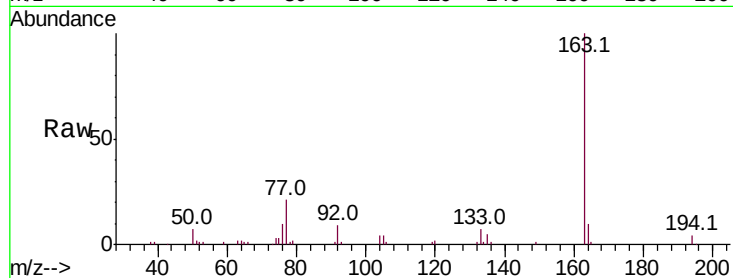
Tot Ion:163 Resp: 83790

Ion Ratio Lower Upper

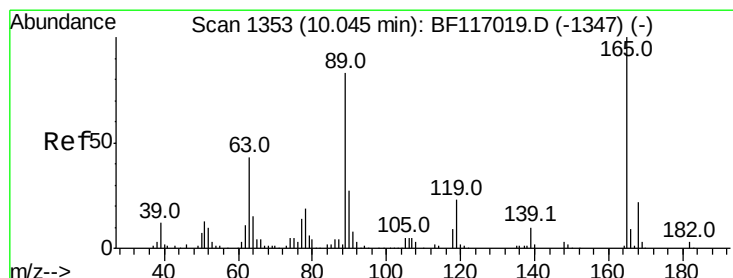
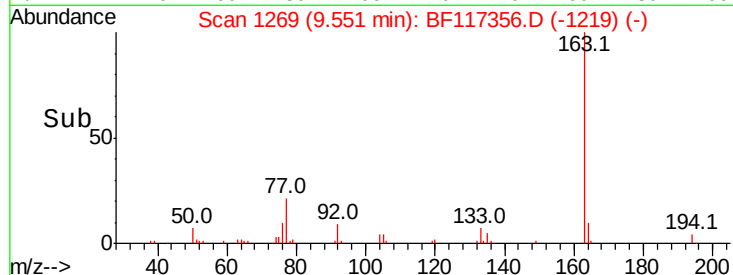
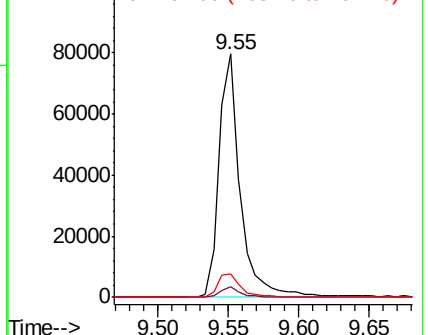
163 100

194 4.2 2.9 4.3

164 9.8 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



#57

2,4-Dinitrotoluene

Concen: 6.478 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.21 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Tgt Ion:165 Resp: 10825

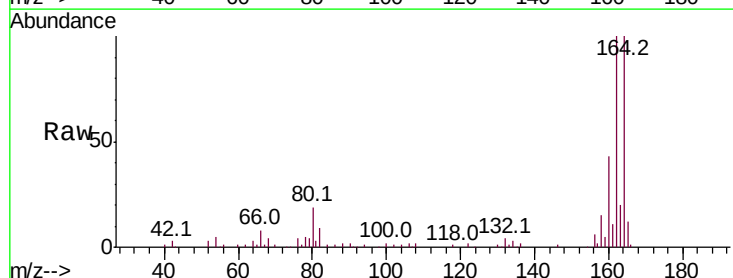
Ion Ratio Lower Upper

165 100

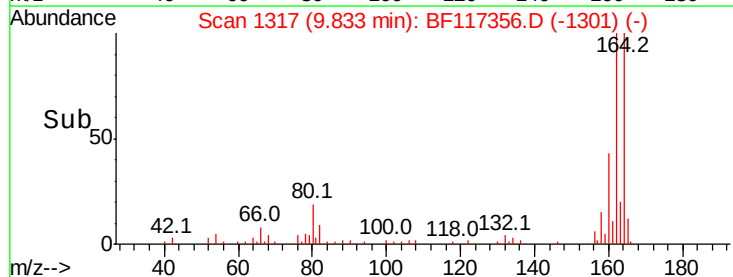
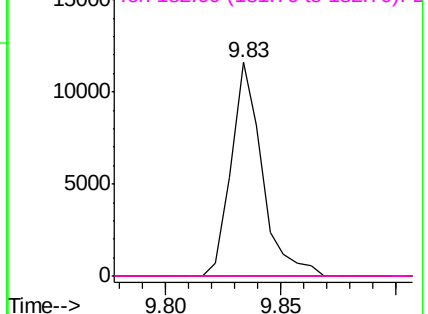
63 0.0 35.0 52.4#

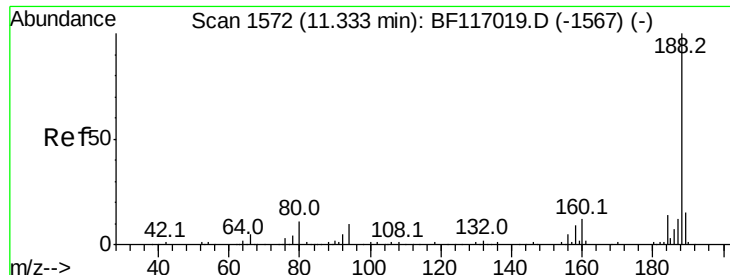
89 0.0 66.1 99.1#

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

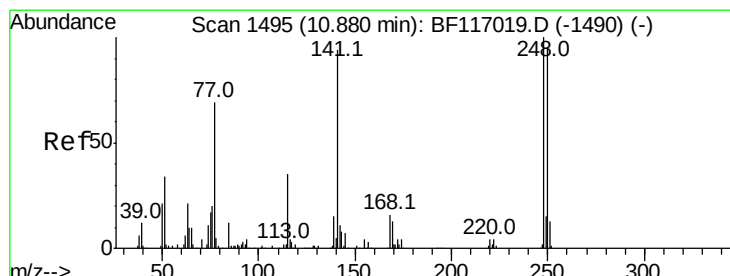
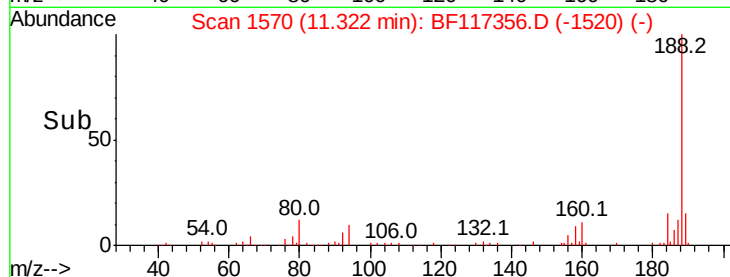
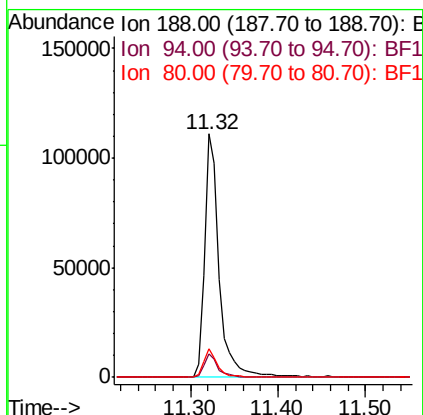
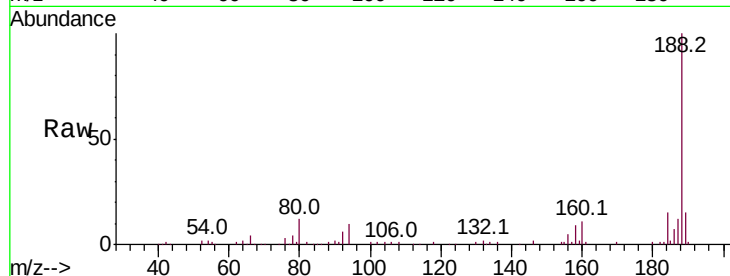




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF117356.D
 Acq: 9 Oct 2019 15:45

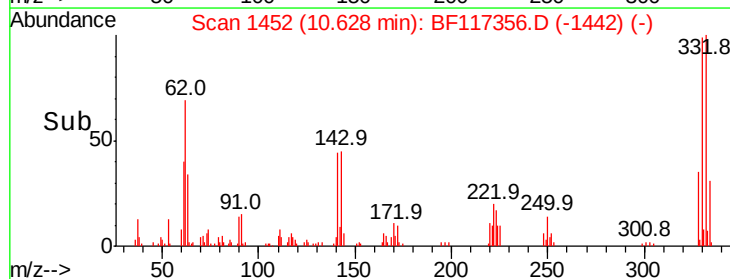
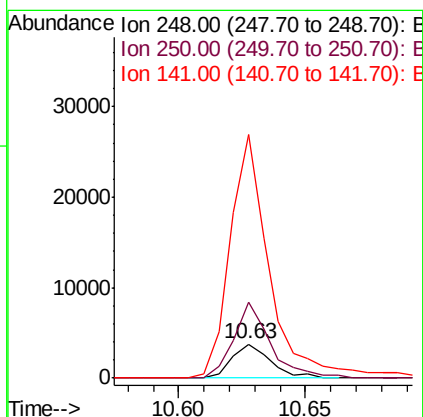
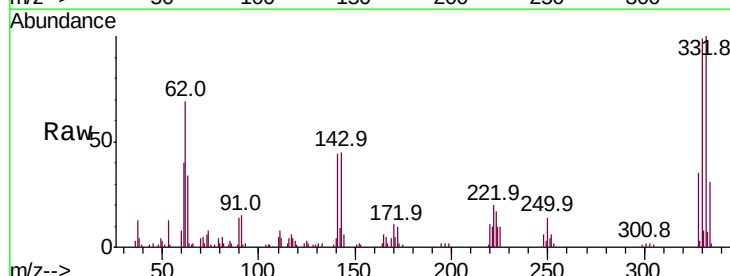
Instrument :
 BNA_F
 ClientSampled :

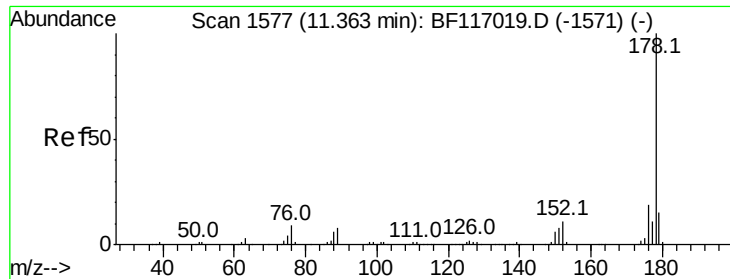
Tot Ion:188 Resp: 128502
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.2 12.2
 80 11.5 9.0 13.6



#67
 4-Bromophenyl-phenylether
 Concen: 3.038 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF117356.D
 Acq: 9 Oct 2019 15:45

Tgt Ion:248 Resp: 3987
 Ion Ratio Lower Upper
 248 100
 250 222.1 76.2 114.4#
 141 714.4 75.0 112.4#

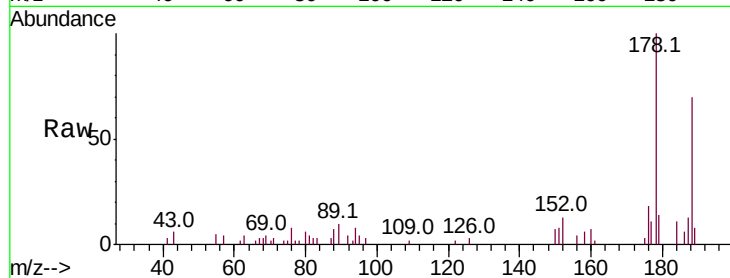




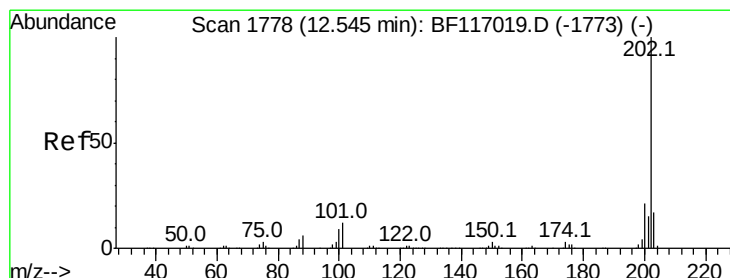
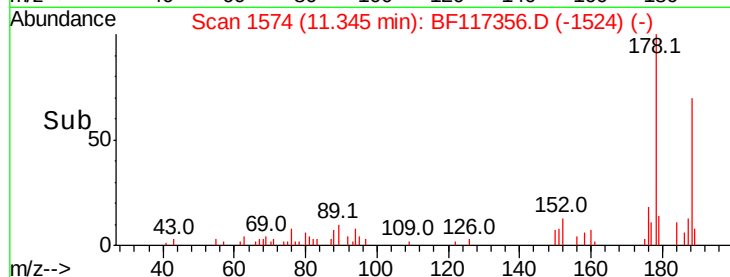
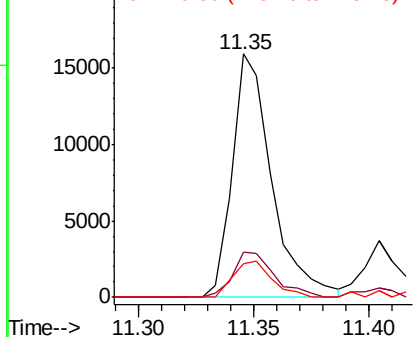
#71
Phenanthrene
Concen: 2.607 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 19028
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 13.9 12.4 18.6

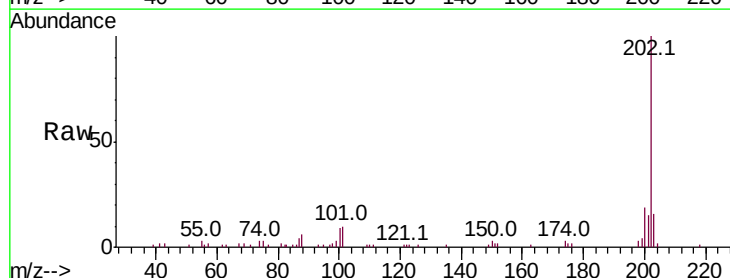


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

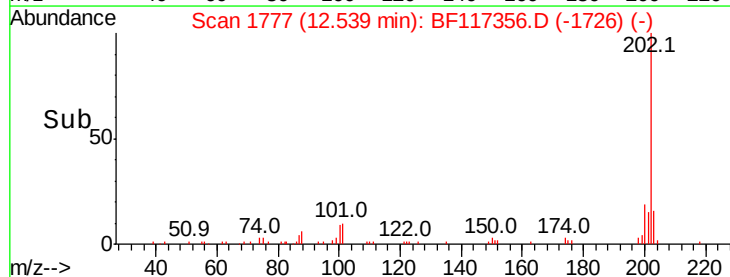
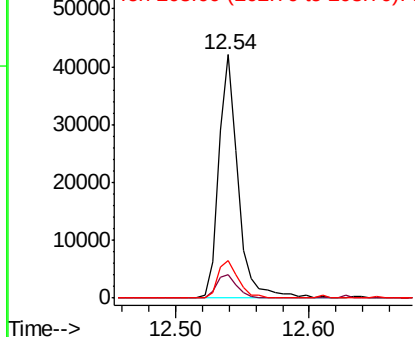


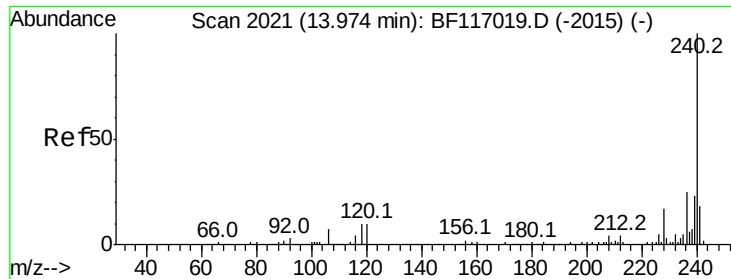
#75
Fluoranthene
Concen: 5.740 ng
RT: 12.54 min Scan# 1777
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:202 Resp: 43045
Ion Ratio Lower Upper
202 100
101 9.7 0.0 32.3
203 15.6 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

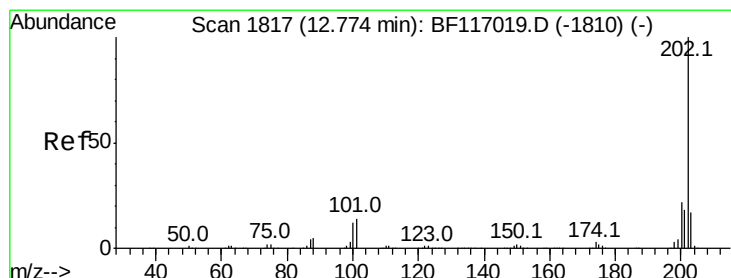
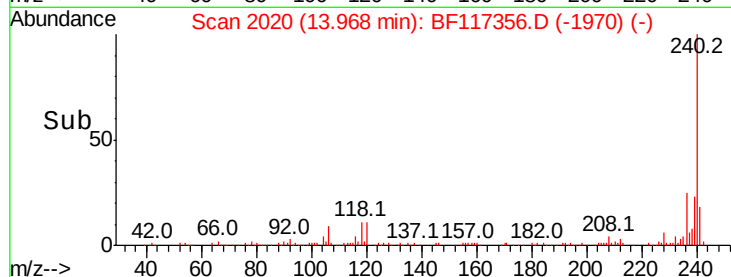
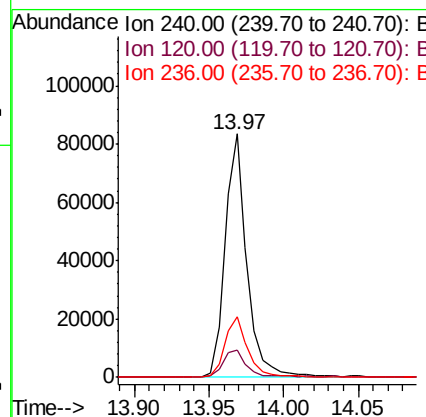
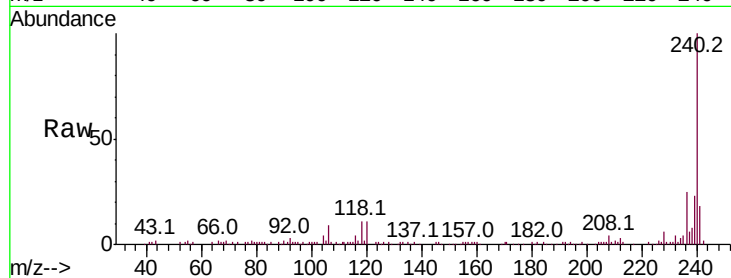




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

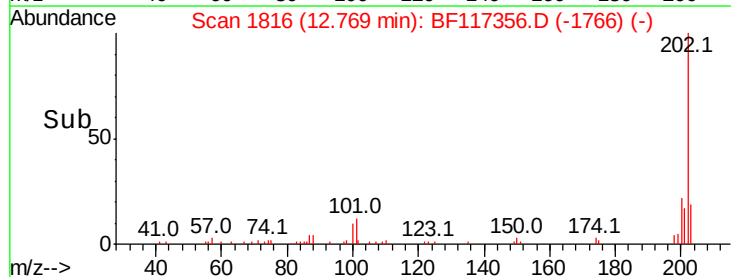
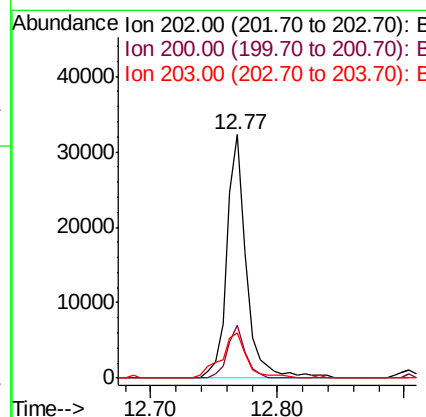
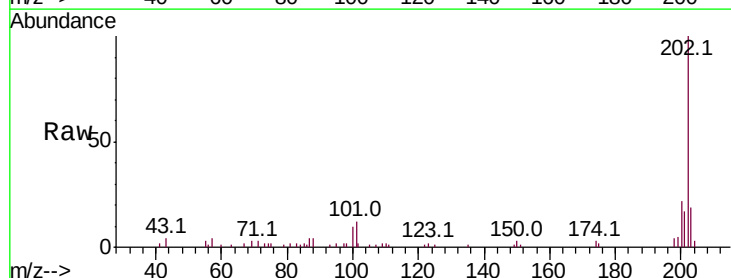
Instrument :
BNA_F
ClientSampled :

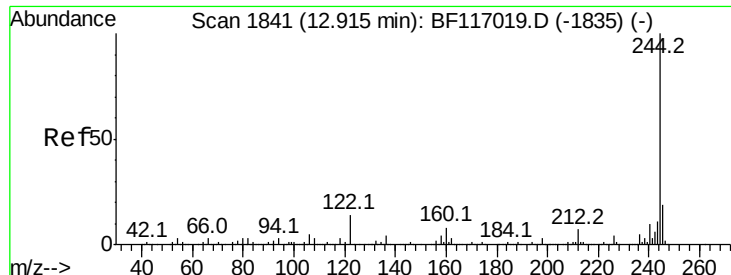
Tot Ion:240 Resp: 85389
Ion Ratio Lower Upper
240 100
120 11.3 8.3 12.5
236 24.8 20.3 30.5



#78
Pyrene
Concen: 4.794 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:202 Resp: 34350
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.6 14.0 21.0





#79

Terphenyl-d14

Concen: 61.000 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

Instrument :

BNA_F

ClientSampleId :

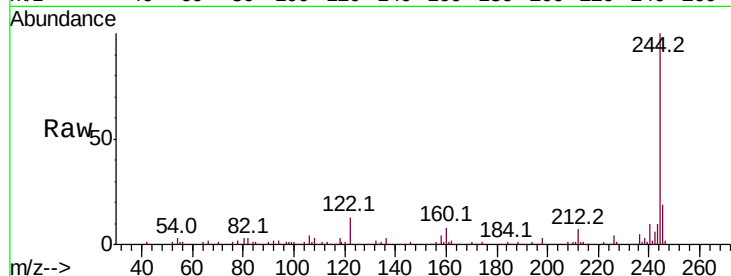
Tot Ion:244 Resp: 278657

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

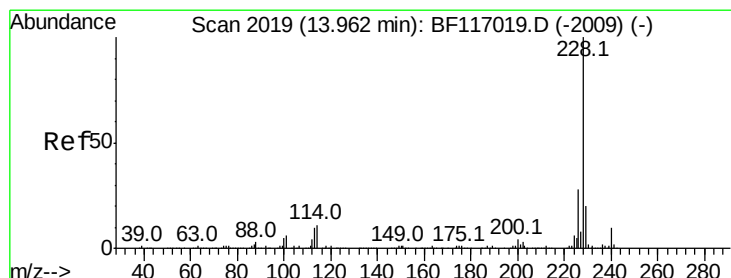
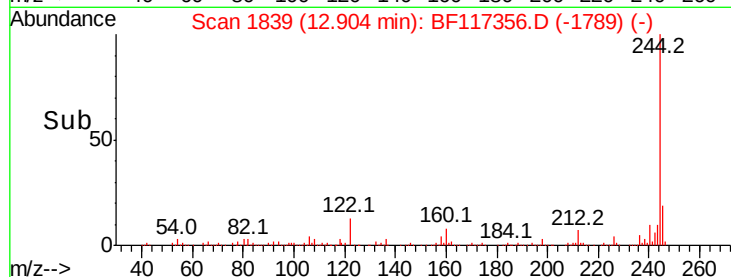
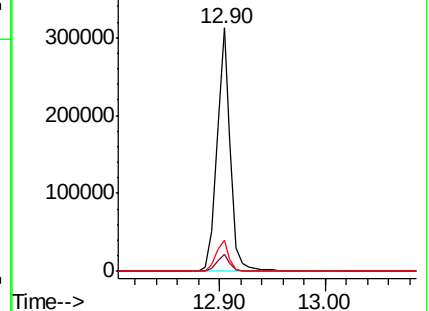
122 12.6 11.3 16.9



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: 2.954 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117356.D

Acq: 9 Oct 2019 15:45

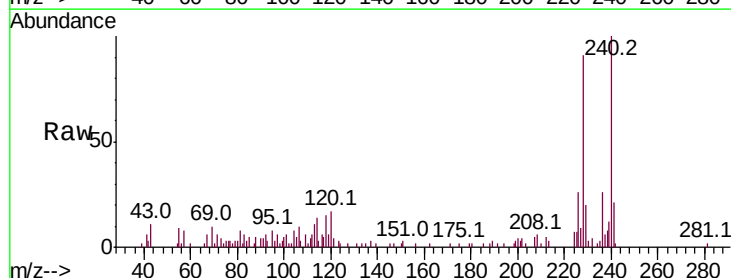
Tgt Ion:228 Resp: 16850

Ion Ratio Lower Upper

228 100

226 28.2 22.3 33.5

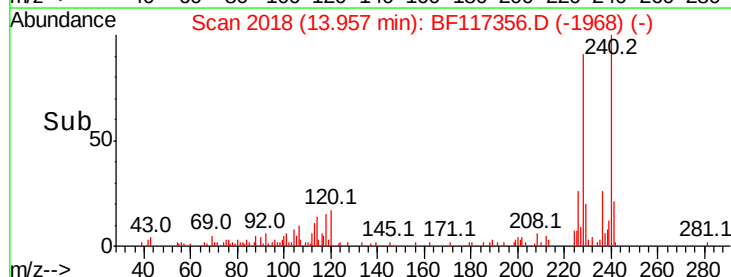
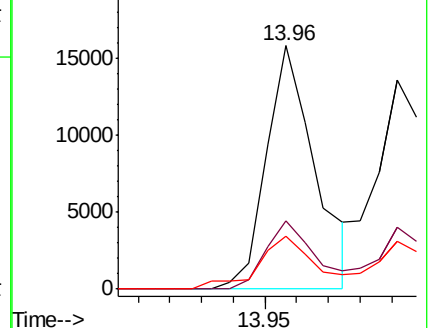
229 21.7 15.9 23.9

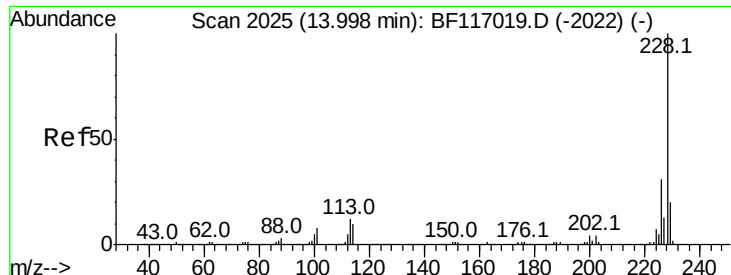


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

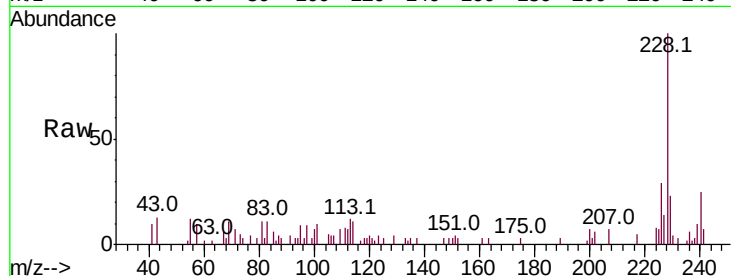




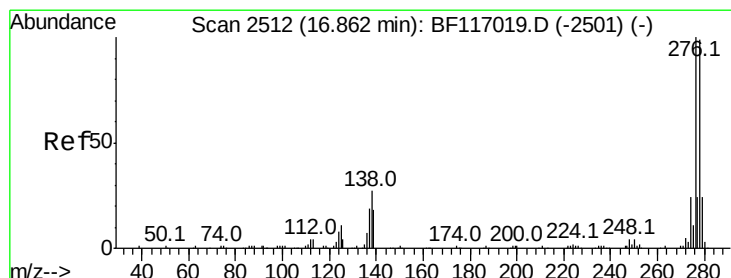
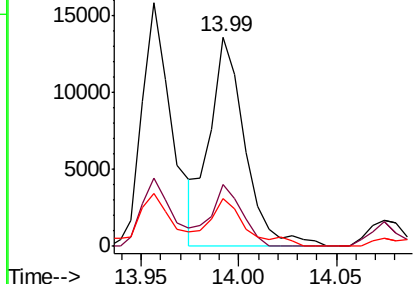
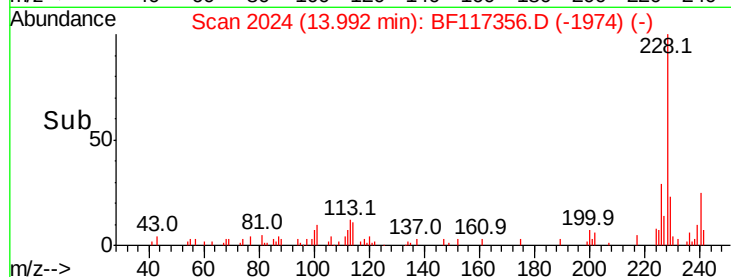
#83
Chrysene
Concen: 3.082 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 17147
Ion Ratio Lower Upper
228 100
226 29.4 24.8 37.2
229 22.8 15.8 23.8

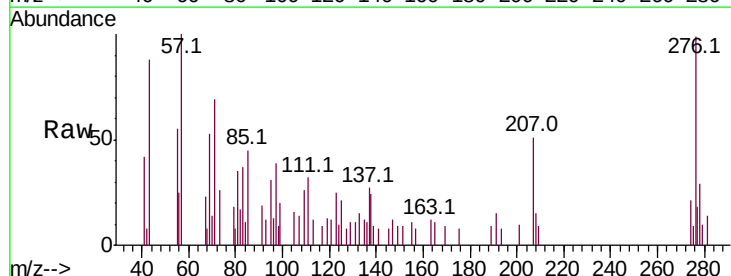


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

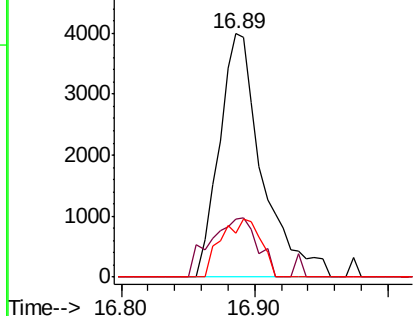
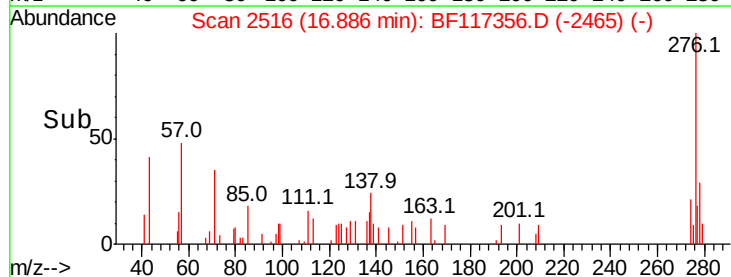


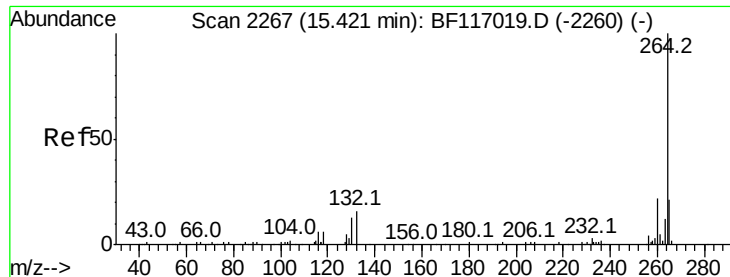
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.200 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:276 Resp: 8930
Ion Ratio Lower Upper
276 100
138 26.7 20.7 31.1
277 22.2 19.8 29.8



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



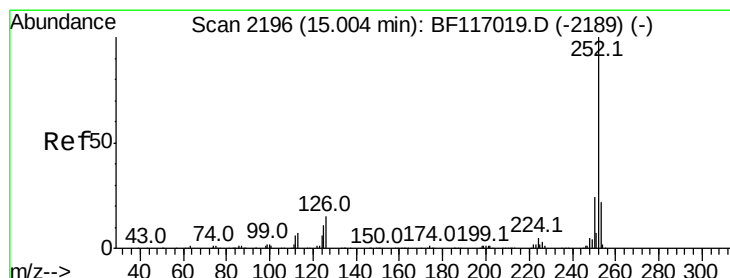
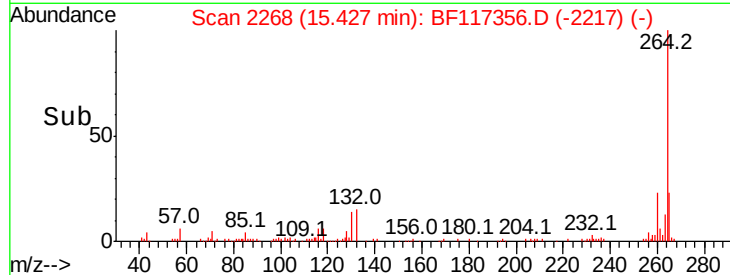
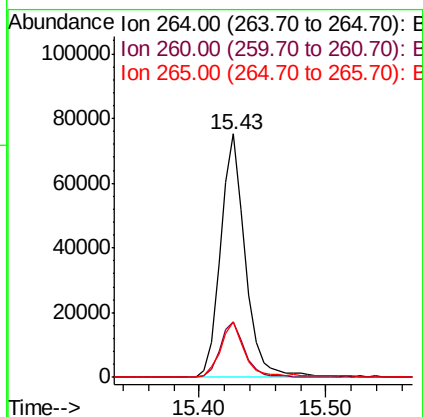
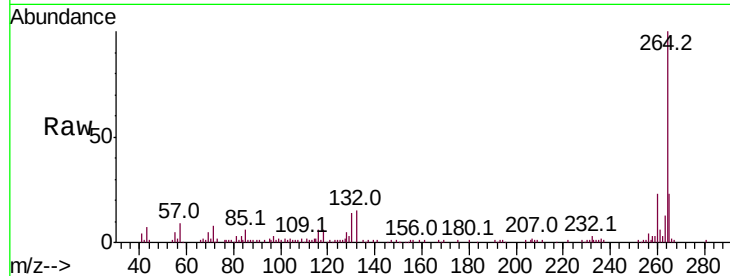


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 101842

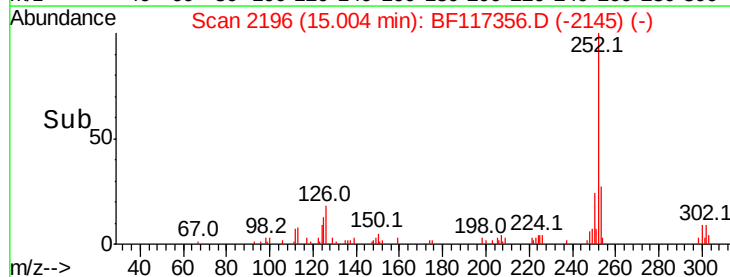
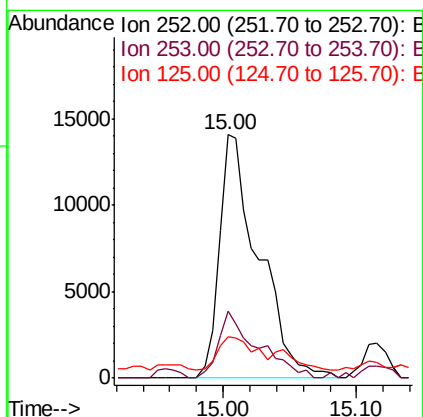
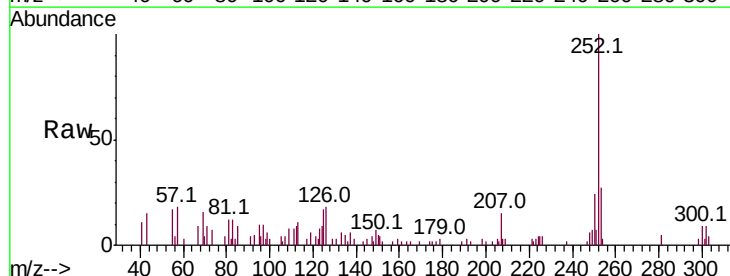
Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.6	26.4
265	22.7	16.6	24.8

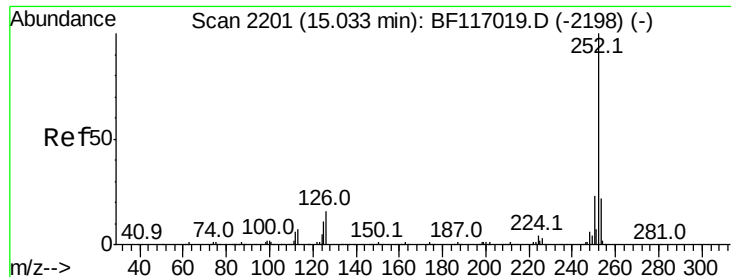


#88
Benzo(b)fluoranthene
Concen: 4.679 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:252 Resp: 28867

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.6	26.4#
125	16.9	8.6	12.8#

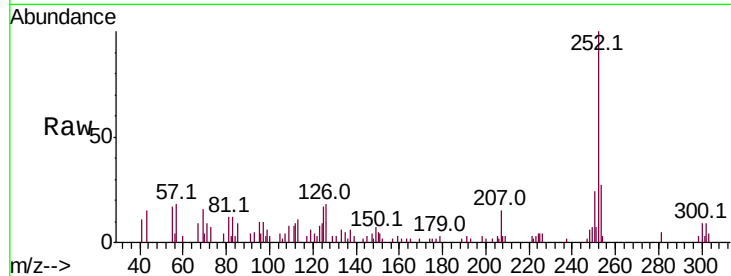




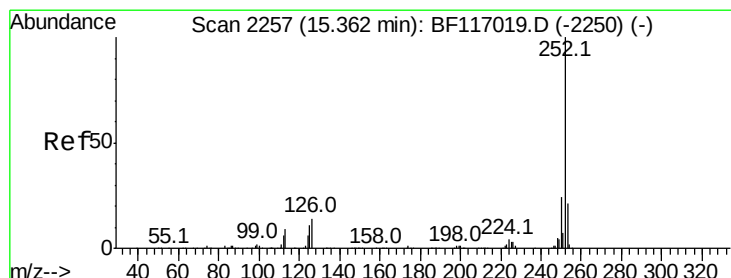
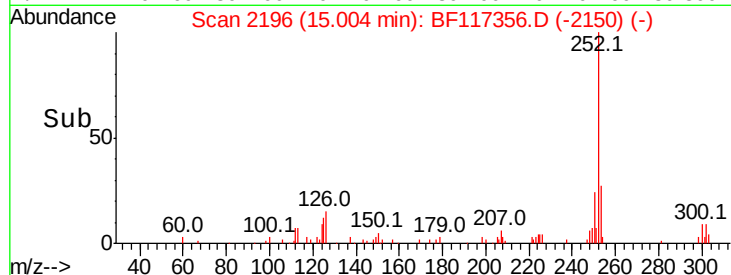
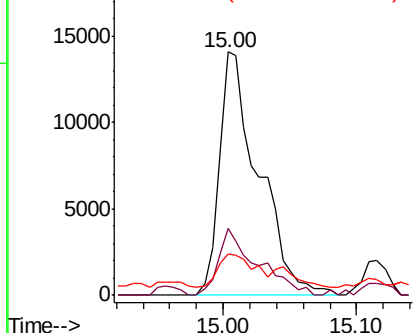
#89
Benzo(k)fluoranthene
Concen: 4.940 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 28867
Ion Ratio Lower Upper
252 100
253 27.3 17.4 26.2#
125 16.9 8.8 13.2#

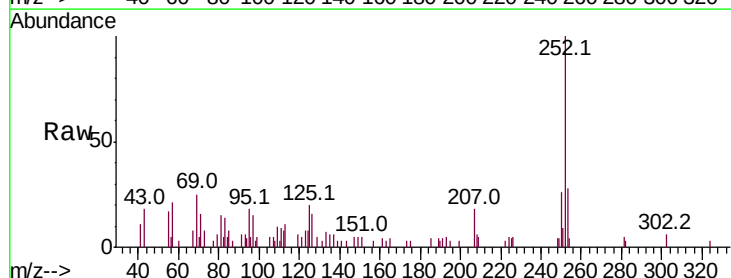


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.833 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF117356.D
Acq: 9 Oct 2019 15:45

Tgt Ion:252 Resp: 15335
Ion Ratio Lower Upper
252 100
253 27.6 16.6 25.0#
125 19.9 8.9 13.3#



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

