

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
 Data File : BF114951.D
 Acq On : 11 Jun 2019 18:56
 Operator : HP/JU
 Sample : K3163-07 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 04:32:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 16:44:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	248280	20.00	ng	0.00
21) Naphthalene-d8	7.94	136	945906	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	450578	20.00	ng	0.00
64) Phenanthrene-d10	11.16	188	789450	20.00	ng	0.00
76) Chrysene-d12	13.79	240	604174	20.00	ng	0.00
87) Perylene-d12	15.17	264	536999	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	657053	44.79	ng	0.00
7) Phenol-d6	6.30	99	823589	46.54	ng	-0.01
23) Nitrobenzene-d5	7.22	82	484547	31.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	188594	38.48	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	984976	34.69	ng	0.00
79) Terphenyl-d14	12.75	244	904275	29.77	ng	0.00

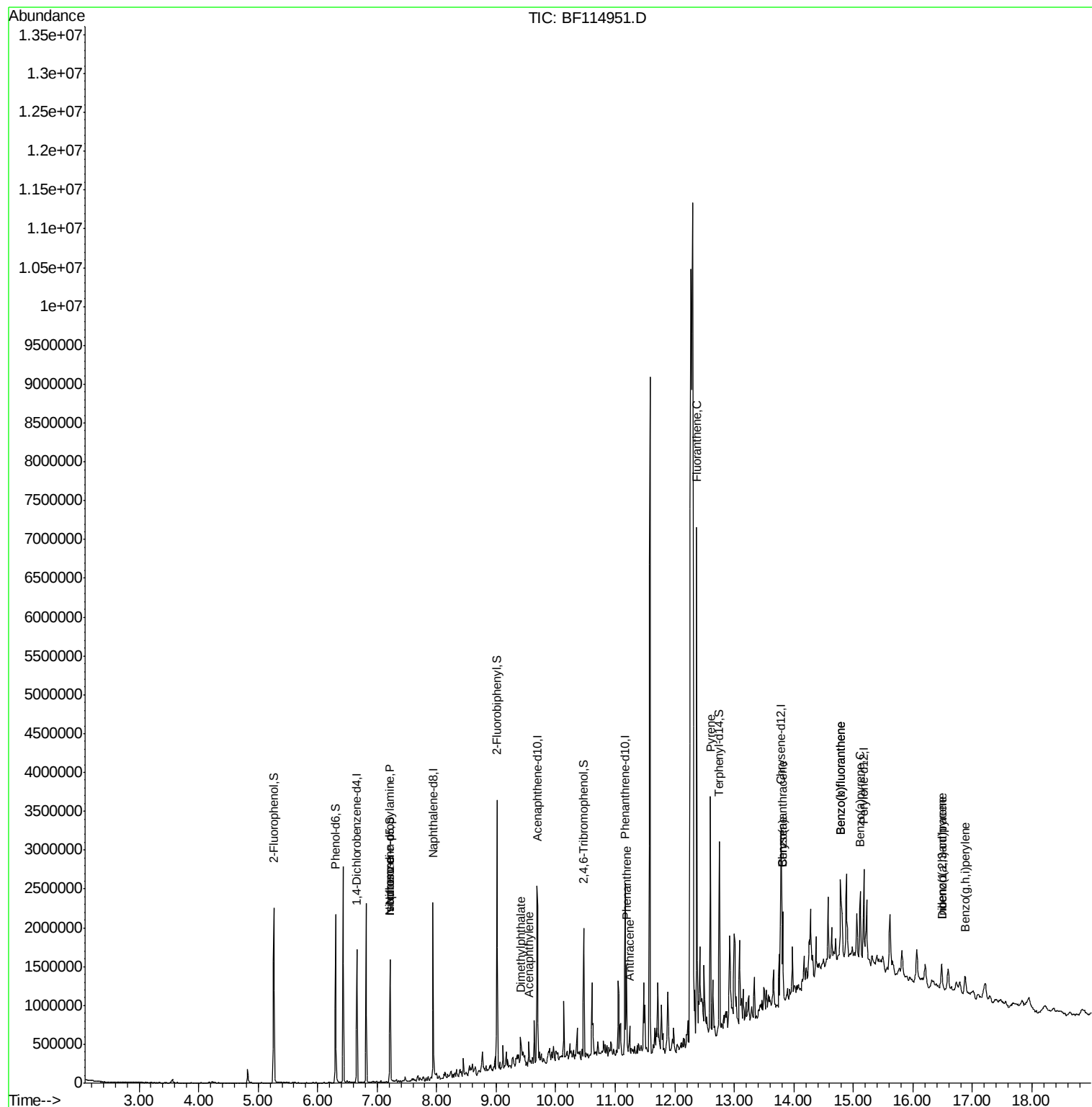
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	64149	5.797	ng	# 76
25) Isophorone	7.22	82	474267	15.732	ng	# 62
49) Acenaphthylene	9.55	152	129256	3.082	ng	98
50) Dimethylphthalate	9.41	163	105952	3.129	ng	97
71) Phenanthrene	11.19	178	395507	10.326	ng	97
72) Anthracene	11.24	178	121830	3.134	ng	97
75) Fluoranthene	12.37	202	694682	17.535	ng	95
78) Pyrene	12.60	202	797020	15.147	ng	97
81) Benzo(a)anthracene	13.82	228	479588	10.735	ng	96
83) Chrysene	13.82	228	479588	10.691	ng	97
86) Indeno(1,2,3-cd)pyrene	16.49	276	202780	4.808	ng	95
88) Benzo(b)fluoranthene	14.79	252	717335	20.519	ng	# 96
89) Benzo(k)fluoranthene	14.79	252	717335	23.643	ng	# 95
90) Benzo(a)pyrene	15.12	252	363857	11.982	ng	96
91) Dibenzo(a,h)anthracene	16.49	278	53030	2.067	ng	# 76
92) Benzo(g,h,i)perylene	16.88	276	181776	7.110	ng	99

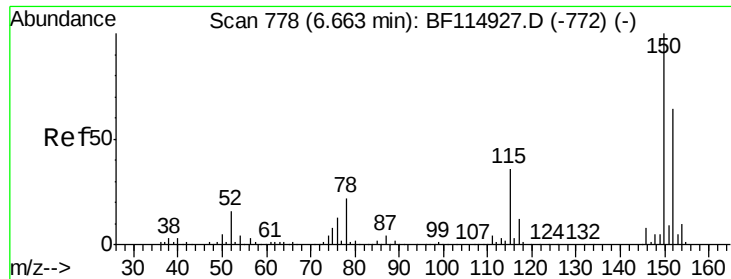
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\
Data File : BF114951.D
Acq On : 11 Jun 2019 18:56
Operator : HP/JU
Sample : K3163-07 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jun 12 04:32:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 16:44:00 2019
Response via : Initial Calibration



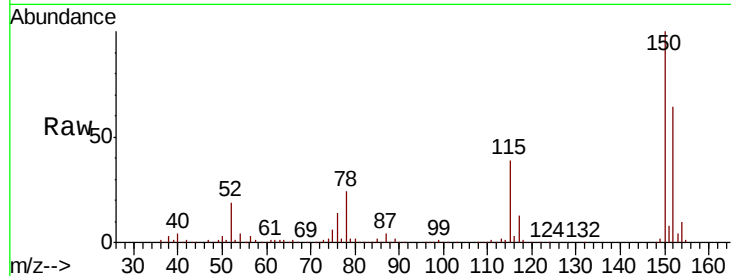


#1

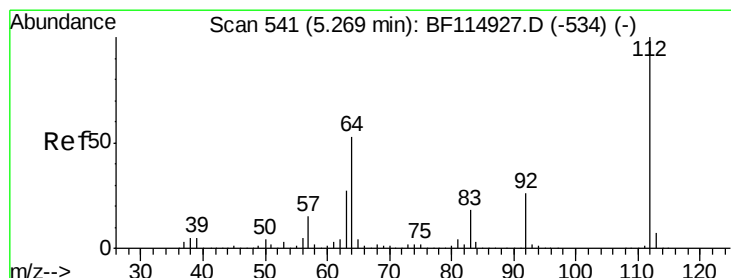
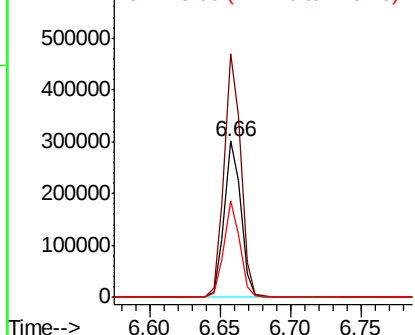
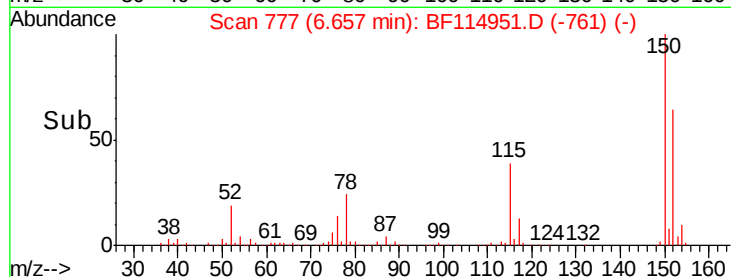
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 248280
Ion Ratio Lower Upper
152 100
150 156.0 125.2 187.8
115 61.5 45.0 67.4



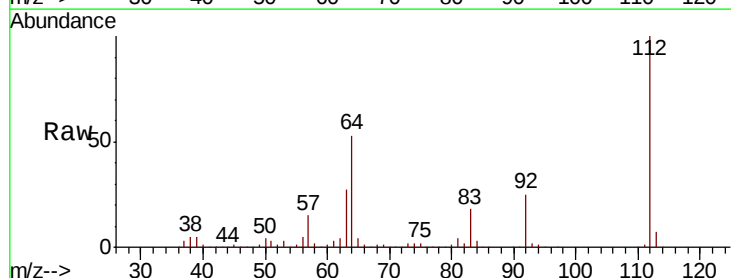
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



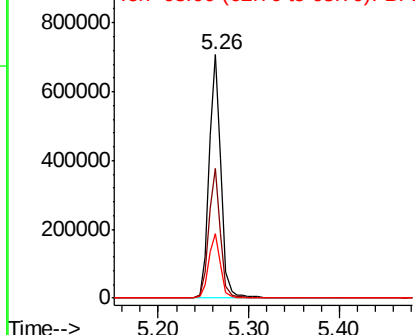
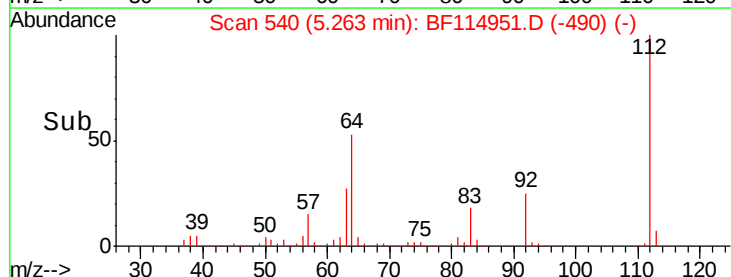
#5

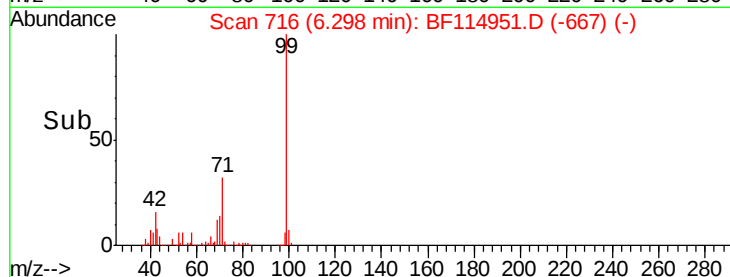
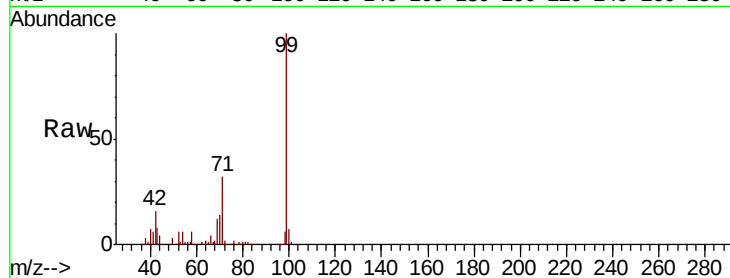
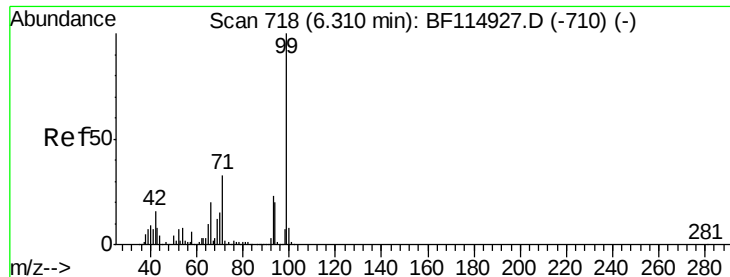
2-Fluorophenol
Concen: 44.788 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion:112 Resp: 657053
Ion Ratio Lower Upper
112 100
64 53.3 42.1 63.1
63 26.7 21.8 32.8



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: 46.544 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

ClientSampleId :

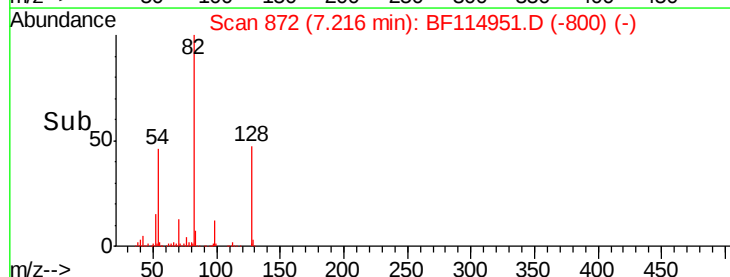
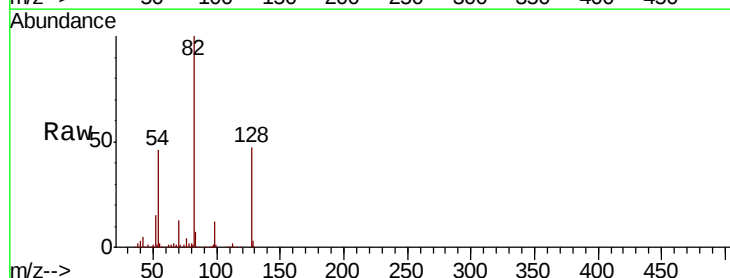
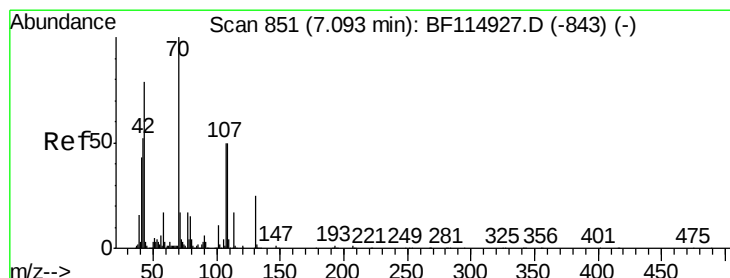
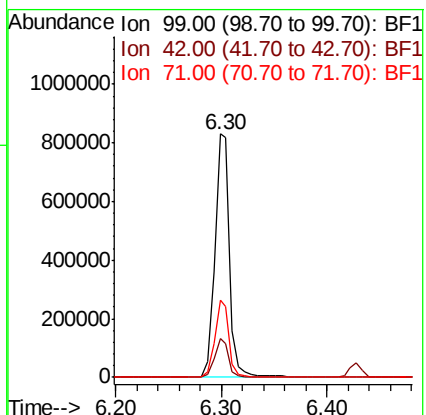
Tot Ion: 99 Resp: 823589

Ion Ratio Lower Upper

99 100

42 16.0 13.1 19.7

71 31.6 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 5.797 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Tgt Ion: 70 Resp: 64149

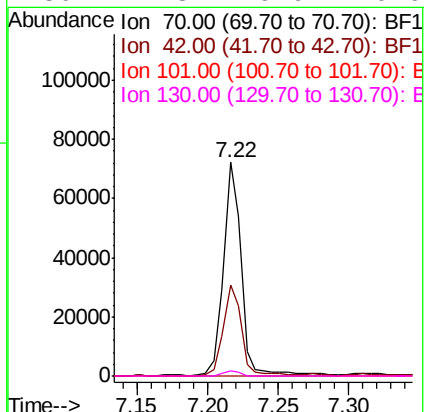
Ion Ratio Lower Upper

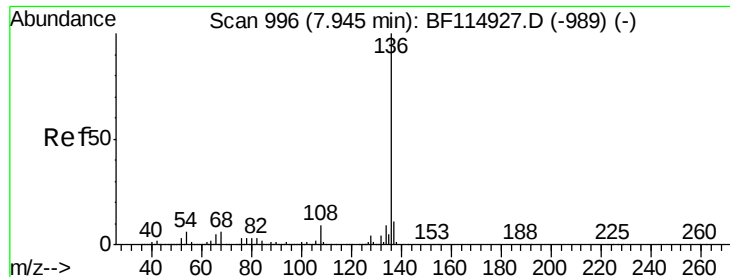
70 100

42 42.4 41.7 62.5

101 0.0 8.4 12.6#

130 2.3 19.9 29.9#

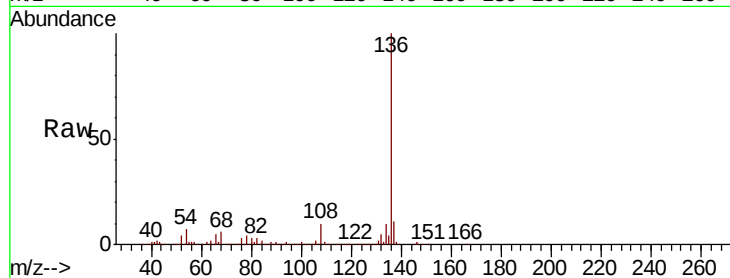




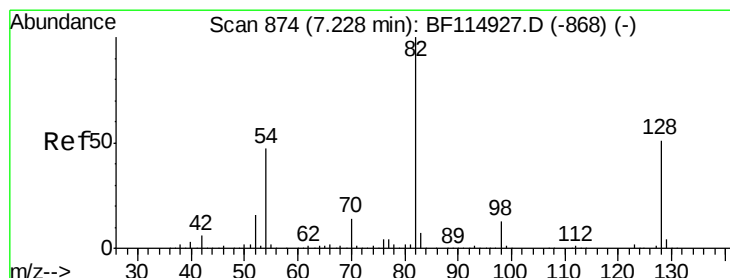
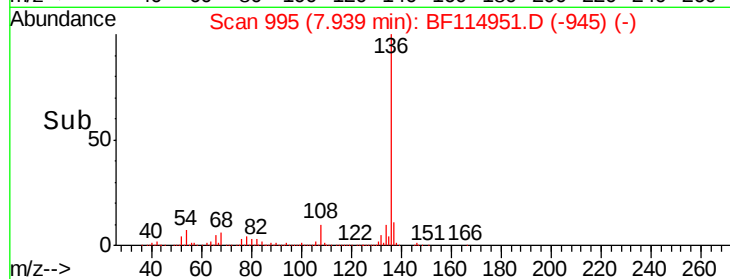
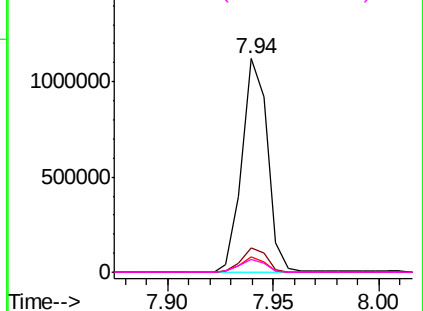
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	945906
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.0 13.6
54	7.0	5.2 7.8
68	6.3	4.6 7.0

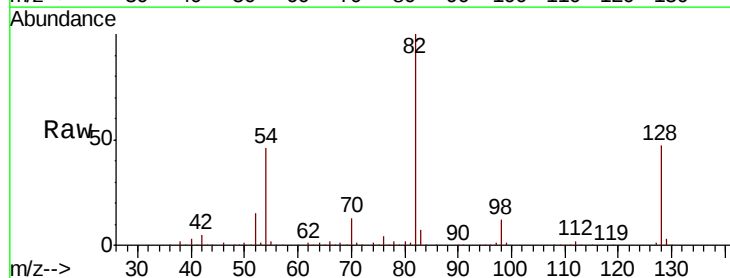


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

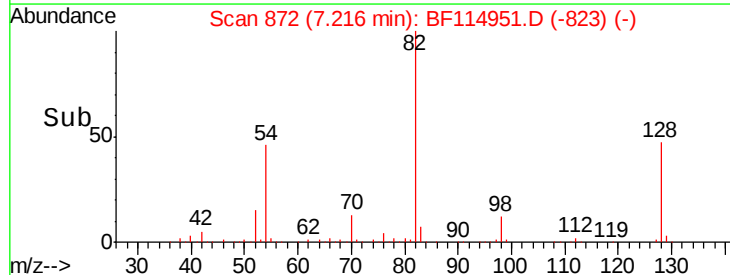
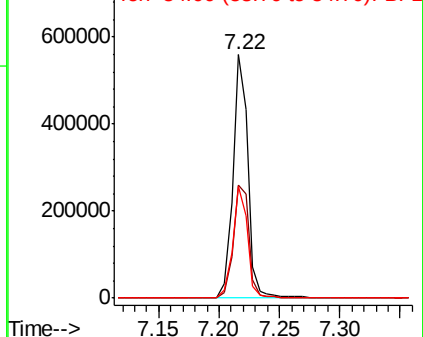


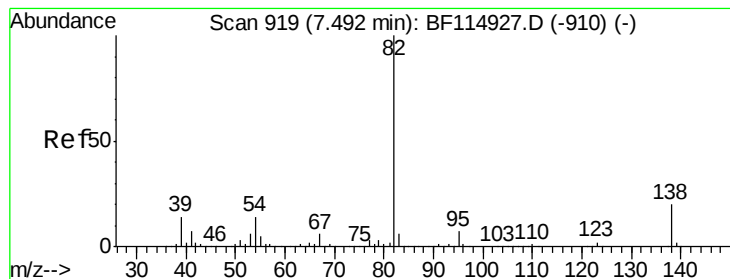
#23
Nitrobenzene-d5
Concen: 31.474 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion: 82	Resp:	484547
Ion Ratio	Lower	Upper
82	100	
128	46.5	40.9 61.3
54	45.9	37.4 56.0



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: 15.732 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.28 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

ClientSampleId :

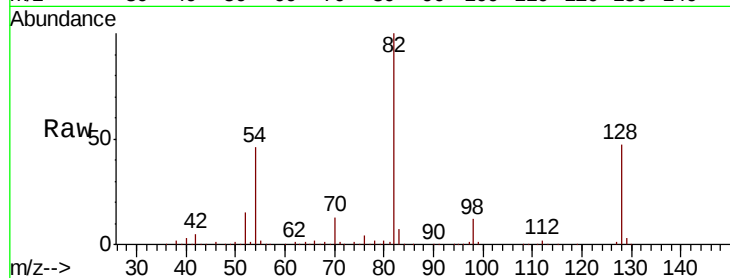
Tot Ion: 82 Resp: 474267

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

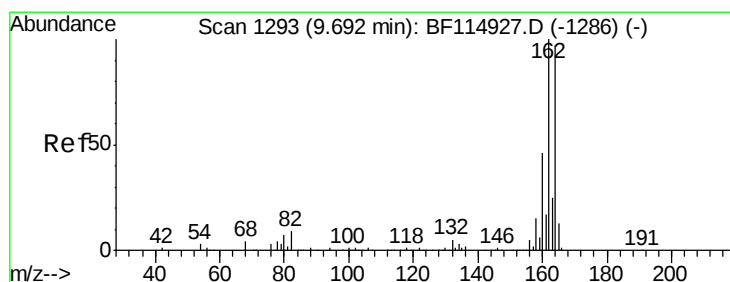
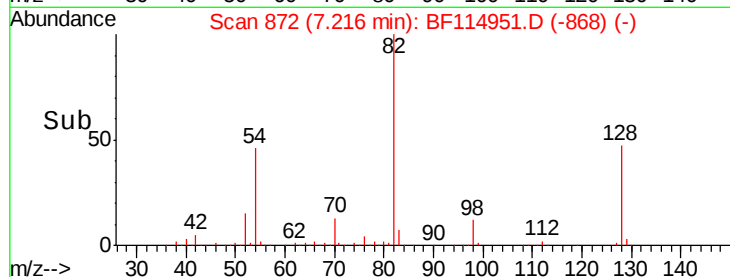
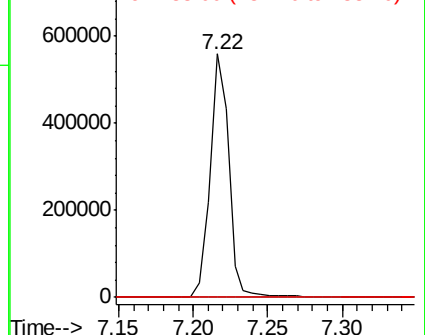
138 0.0 16.4 24.6#



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: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

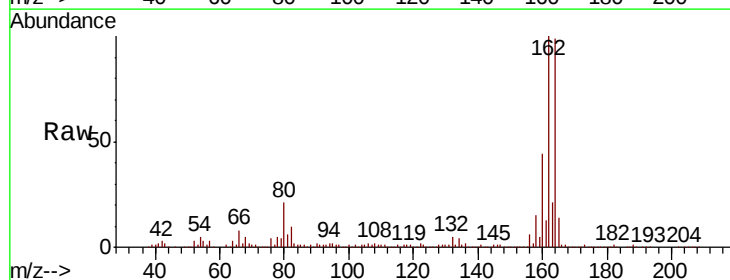
Tgt Ion: 164 Resp: 450578

Ion Ratio Lower Upper

164 100

162 101.0 82.4 123.6

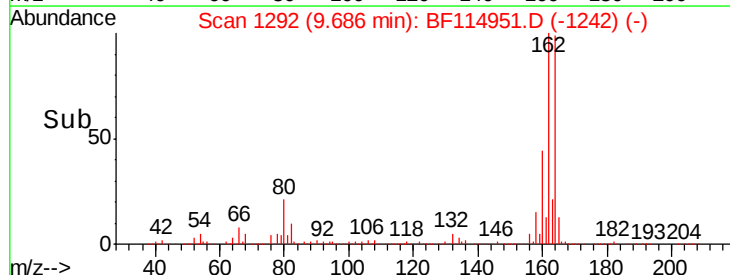
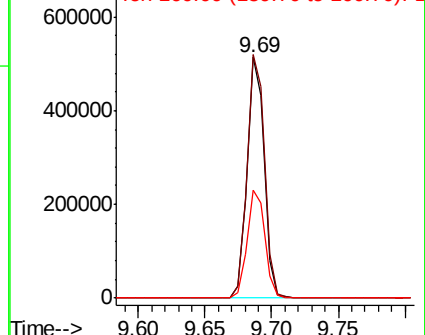
160 44.8 37.5 56.3

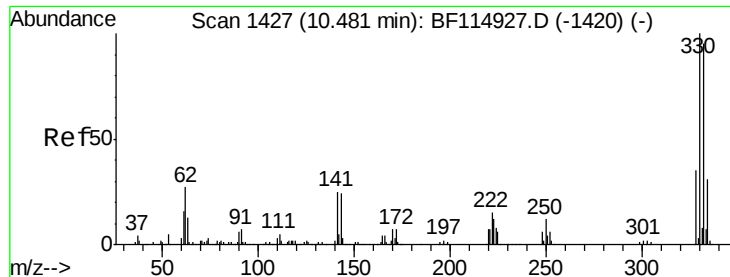


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 38.477 ng

RT: 10.47 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

ClientSampleId :

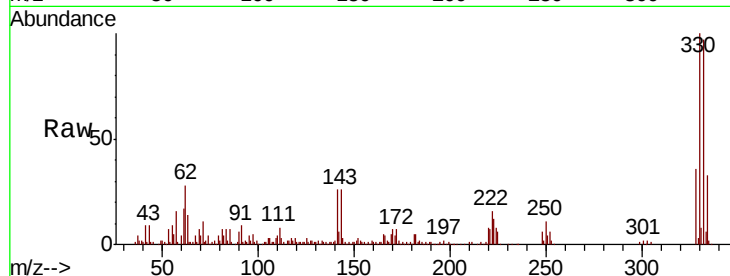
Tot Ion:330 Resp: 188594

Ion Ratio Lower Upper

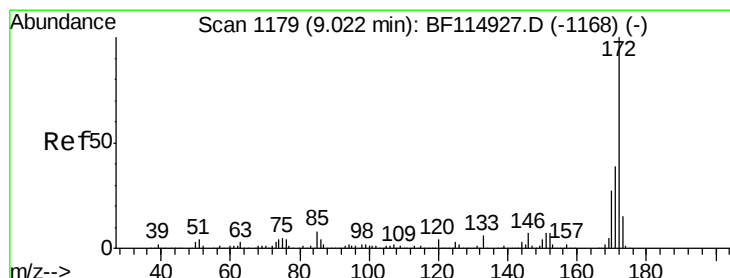
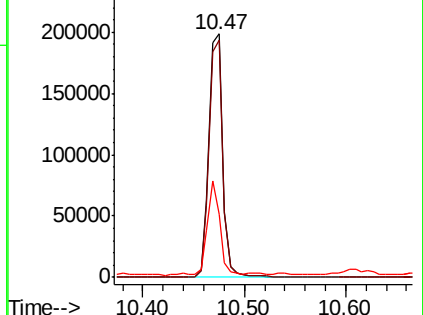
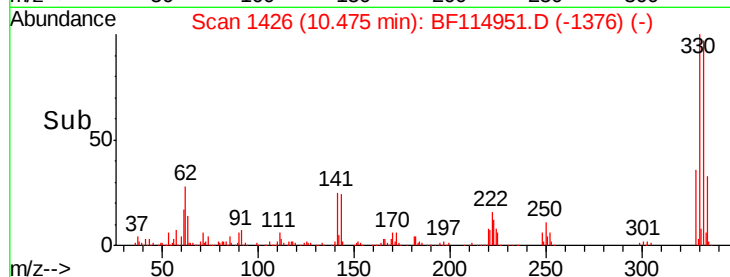
330 100

332 96.8 76.4 114.6

141 34.9 26.8 40.2



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: 34.694 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

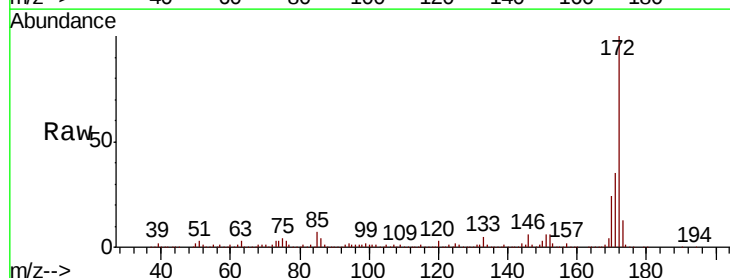
Tgt Ion:172 Resp: 984976

Ion Ratio Lower Upper

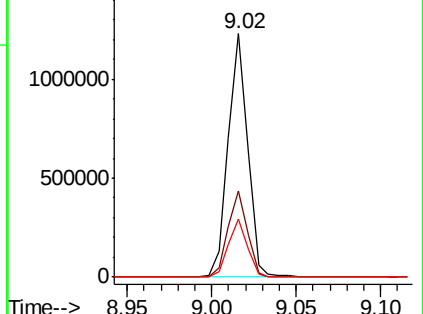
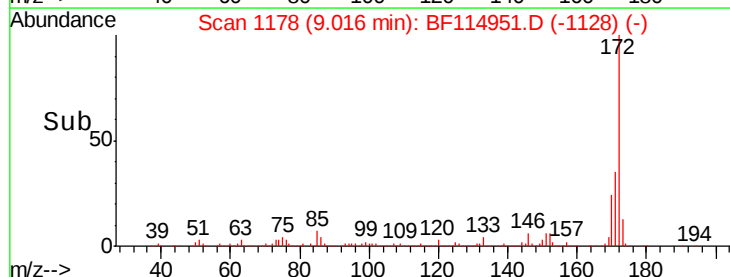
172 100

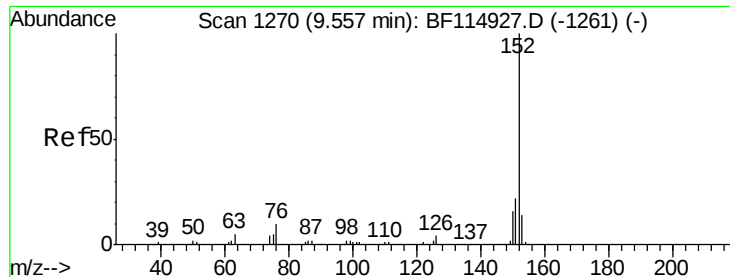
171 35.5 31.3 46.9

170 24.0 21.4 32.0



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





#49

Acenaphthylene

Concen: 3.082 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

ClientSampleId :

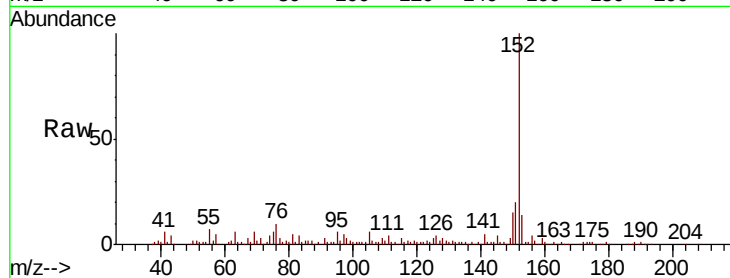
Tot Ion:152 Resp: 129256

Ion Ratio Lower Upper

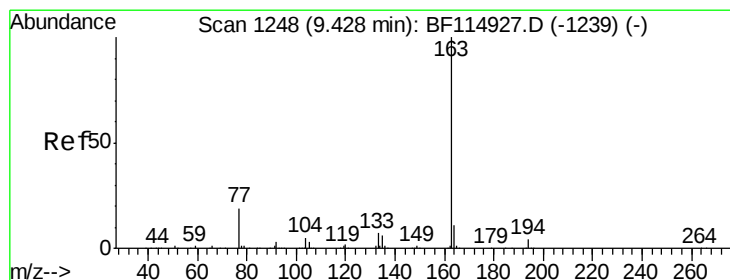
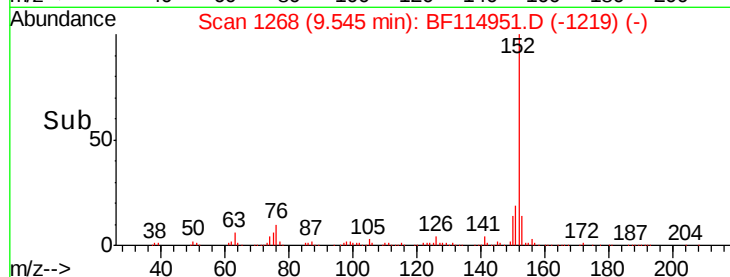
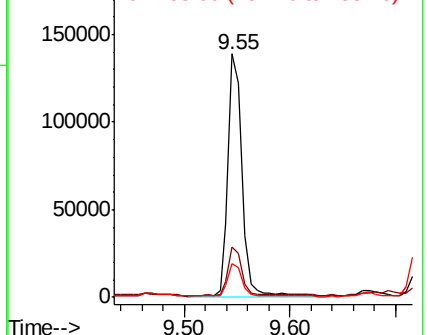
152 100

151 20.5 17.6 26.4

153 13.7 11.4 17.0



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.129 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

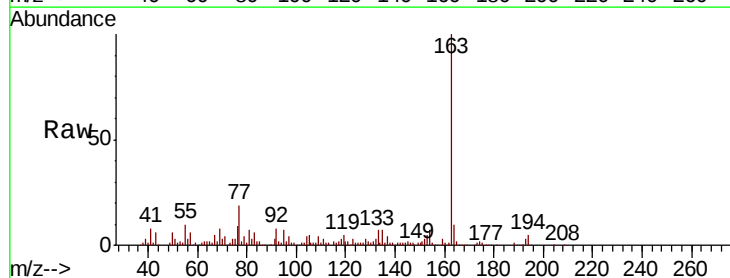
Tgt Ion:163 Resp: 105952

Ion Ratio Lower Upper

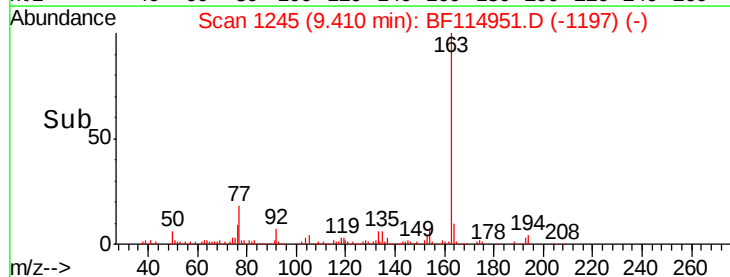
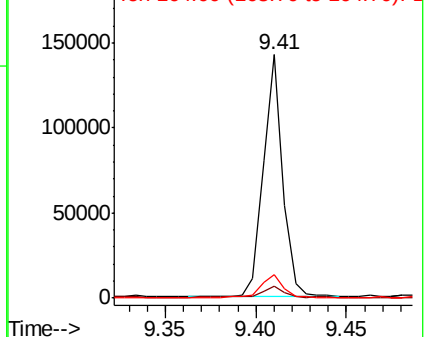
163 100

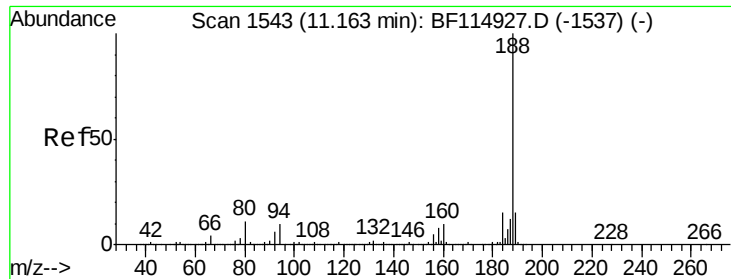
194 4.8 3.4 5.0

164 9.7 8.7 13.1



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

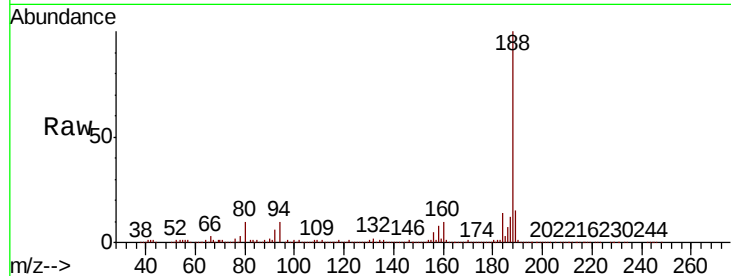




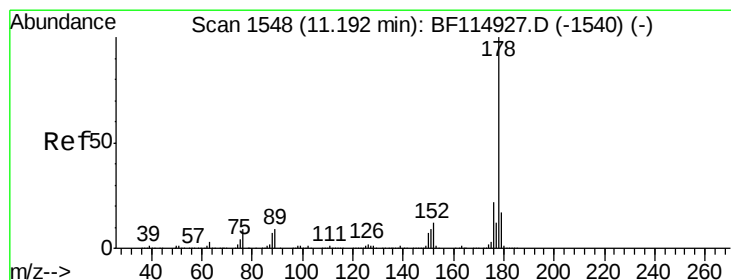
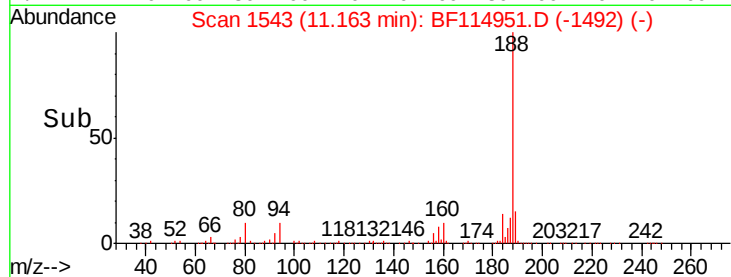
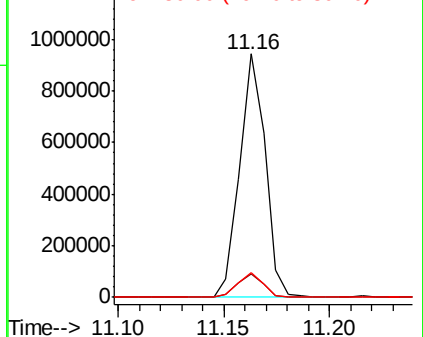
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 789450
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.3 8.6 12.8

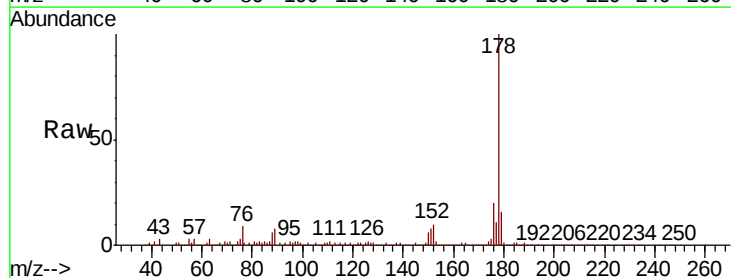


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

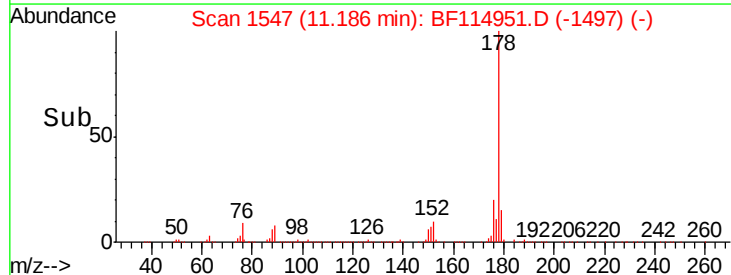
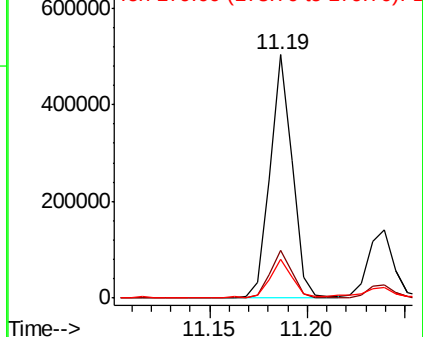


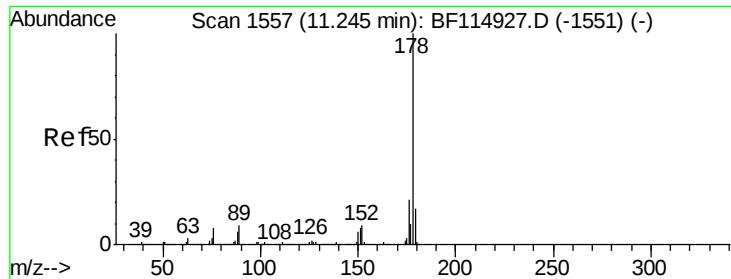
#71
Phenanthrene
Concen: 10.326 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion:178 Resp: 395507
Ion Ratio Lower Upper
178 100
176 19.9 17.4 26.2
179 16.0 13.6 20.4



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





#72

Anthracene

Concen: 3.134 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

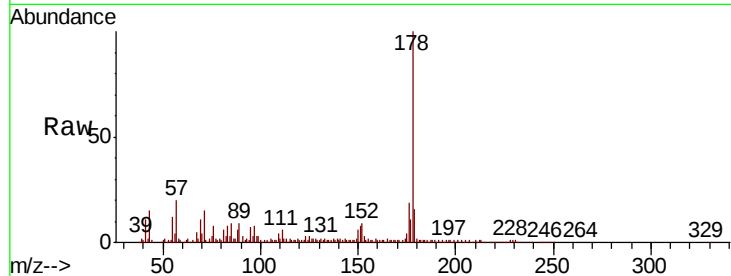
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 121830

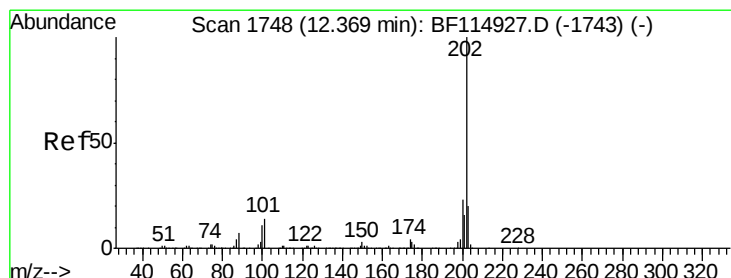
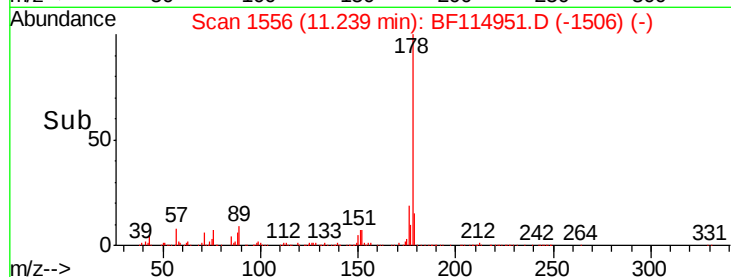
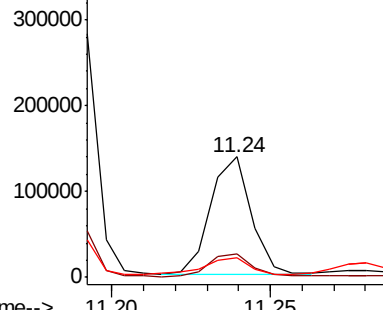
Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	16.1	13.4	20.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 17.535 ng

RT: 12.37 min Scan# 1749

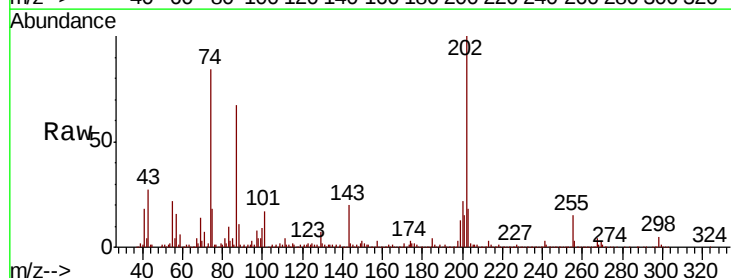
Delta R.T. 0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Tgt Ion:202 Resp: 694682

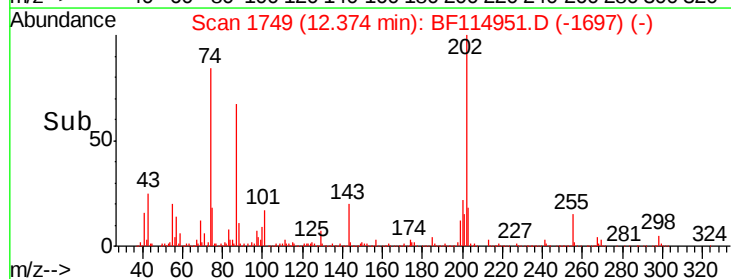
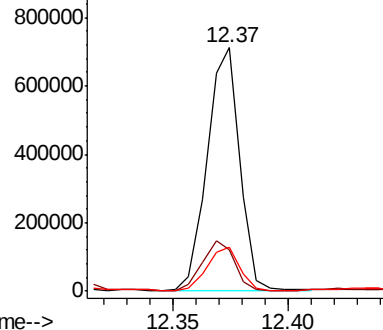
Ion	Ratio	Lower	Upper
202	100		
101	16.8	0.0	34.3
203	17.8	0.0	39.6

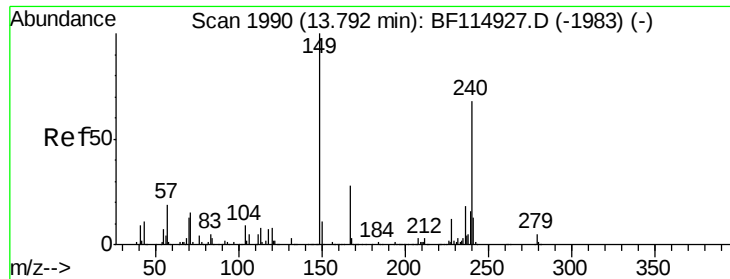


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

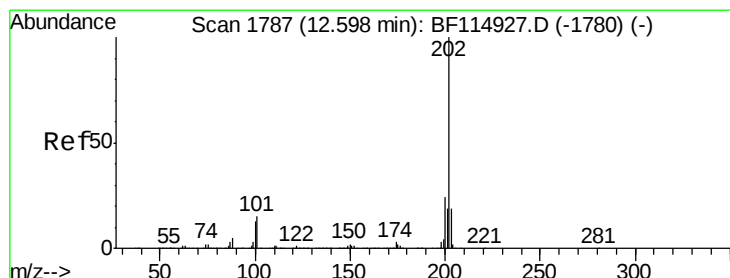
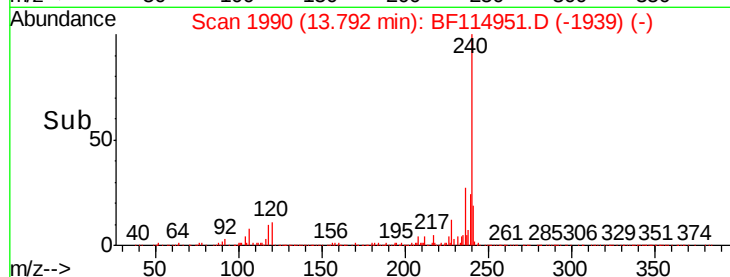
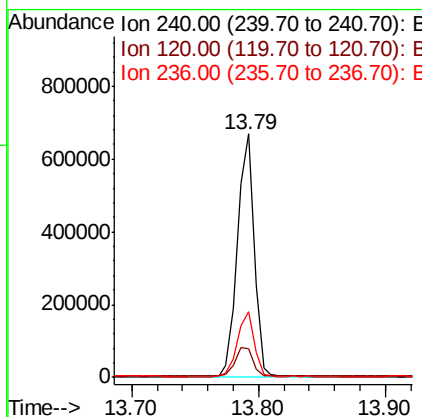
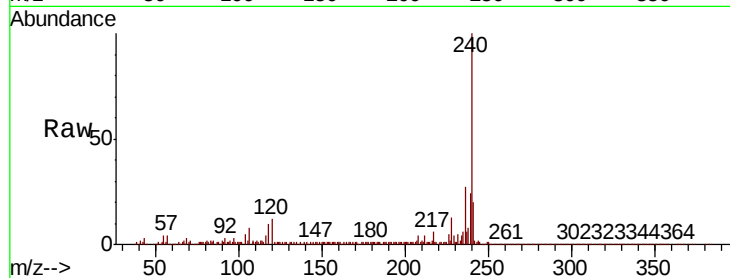




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

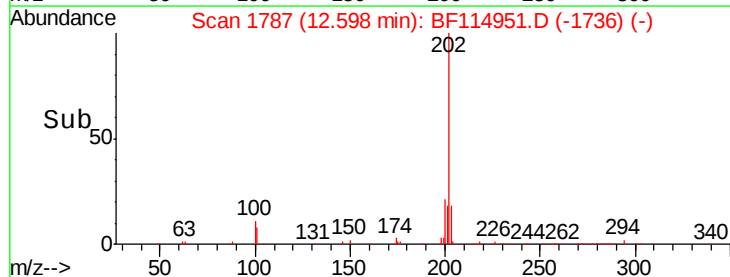
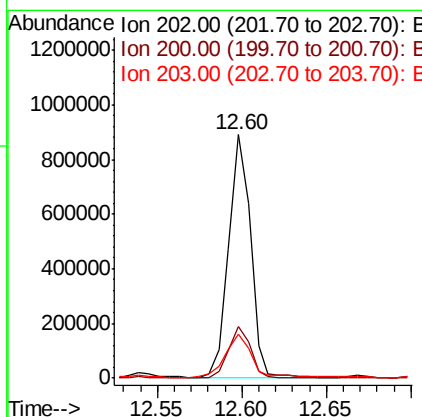
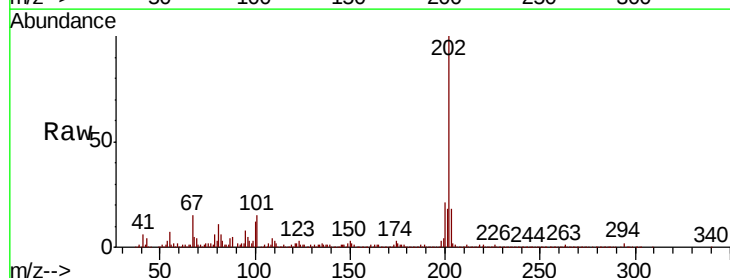
Instrument :
BNA_F
ClientSampleId :

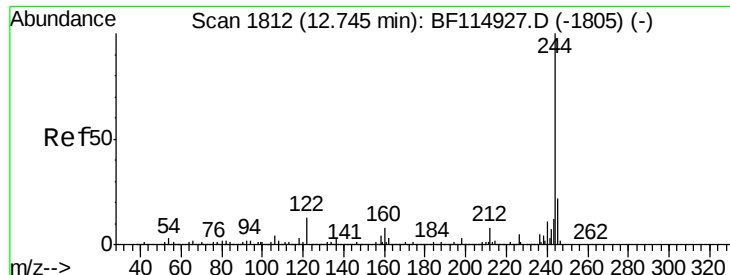
Tot Ion:240 Resp: 604174
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 27.0 21.7 32.5



#78
Pyrene
Concen: 15.147 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion:202 Resp: 797020
Ion Ratio Lower Upper
202 100
200 21.4 18.9 28.3
203 18.0 15.2 22.8





#79

Terphenyl-d14

Concen: 29.765 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

ClientSampleId :

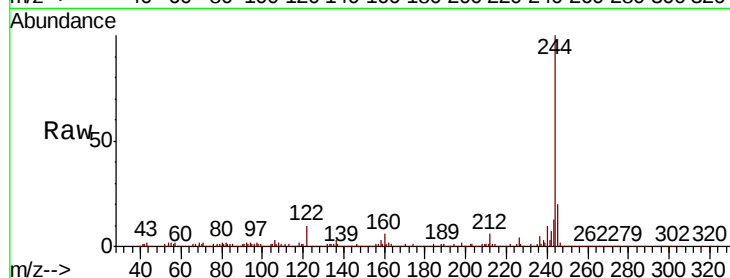
Tot Ion:244 Resp: 904275

Ion Ratio Lower Upper

244 100

212 6.5 6.2 9.2

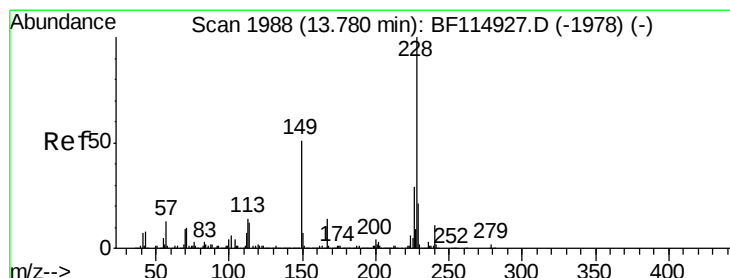
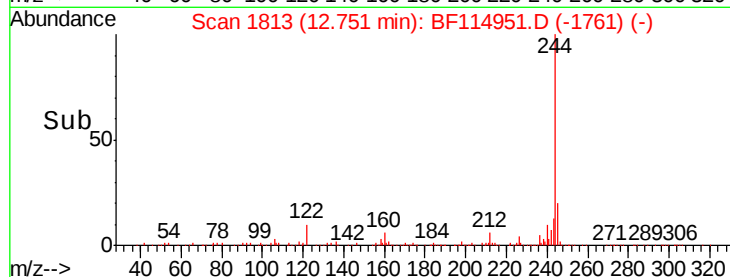
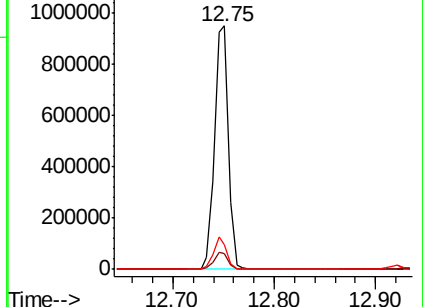
122 10.1 10.2 15.4#



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: 10.735 ng

RT: 13.82 min Scan# 1994

Delta R.T. 0.04 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

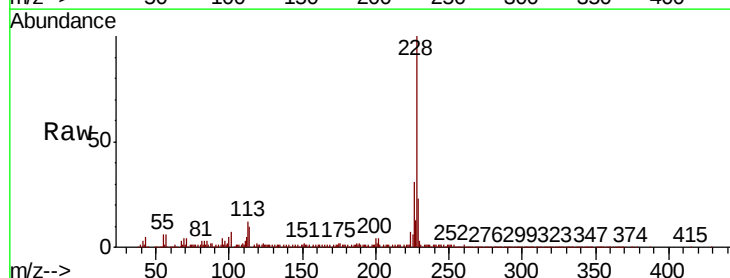
Tgt Ion:228 Resp: 479588

Ion Ratio Lower Upper

228 100

226 30.8 22.8 34.2

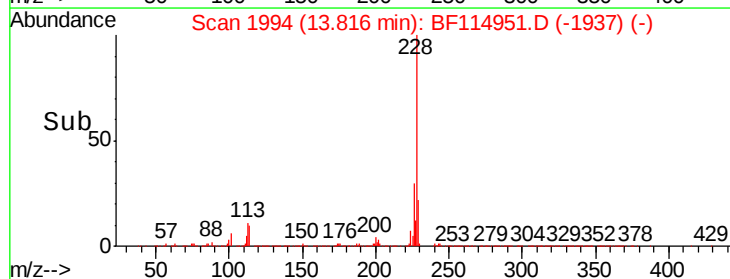
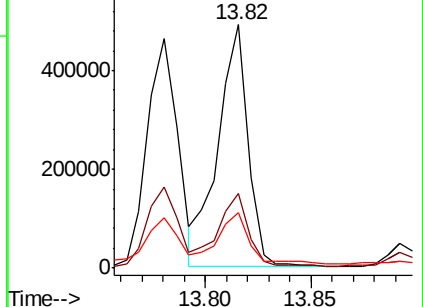
229 22.7 16.6 25.0

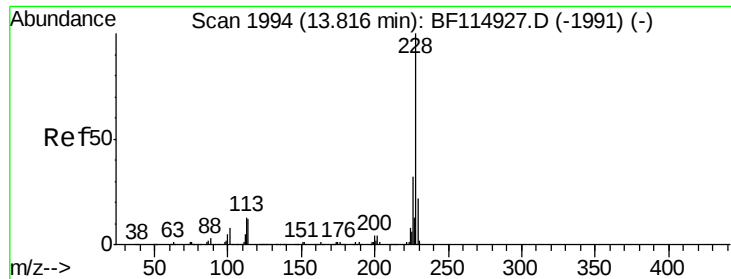


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

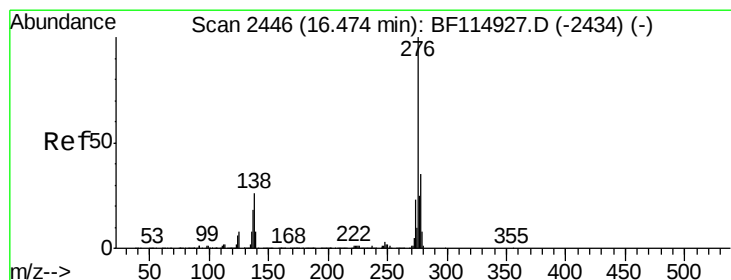
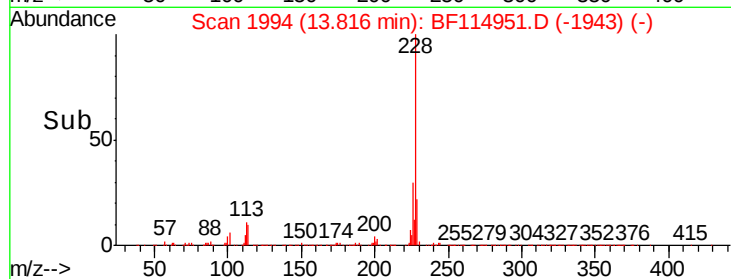
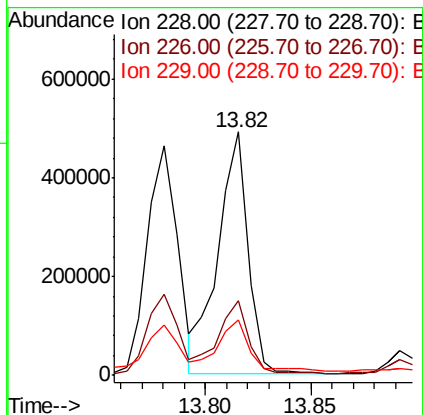
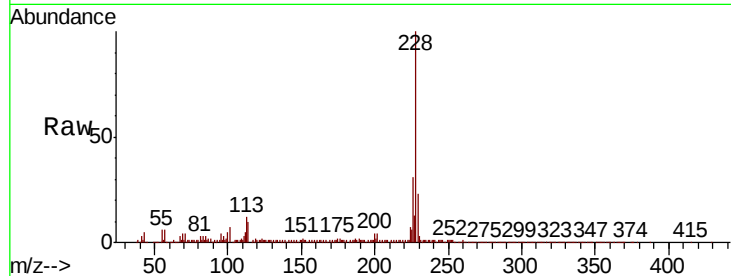




#83
Chrysene
Concen: 10.691 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

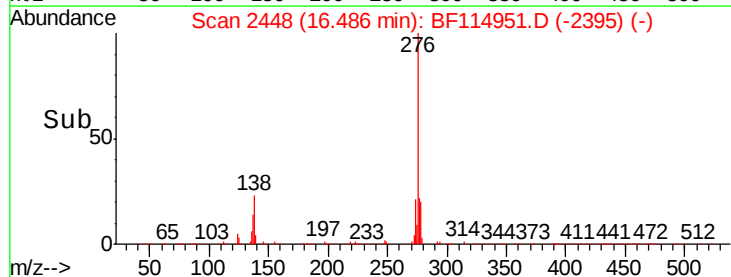
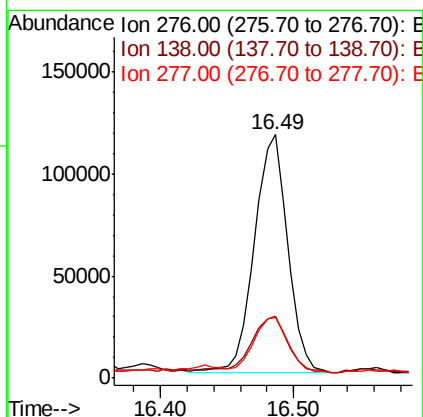
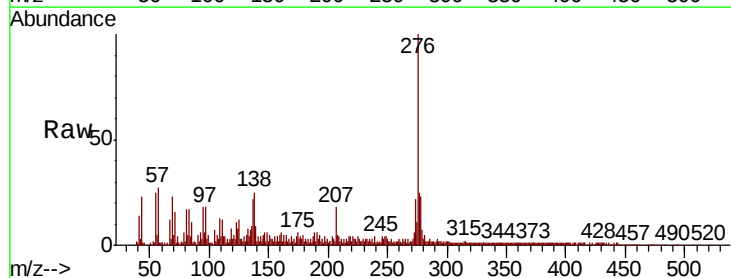
Instrument :
BNA_F
ClientSampleId :

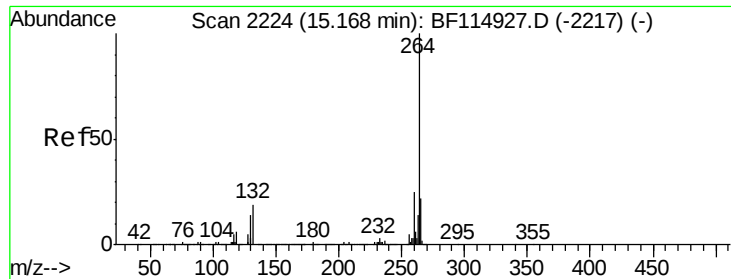
Tot Ion:228 Resp: 479588
Ion Ratio Lower Upper
228 100
226 30.8 25.8 38.8
229 22.7 17.2 25.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.808 ng
RT: 16.49 min Scan# 2448
Delta R.T. 0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion:276 Resp: 202780
Ion Ratio Lower Upper
276 100
138 25.5 23.3 34.9
277 23.9 20.5 30.7



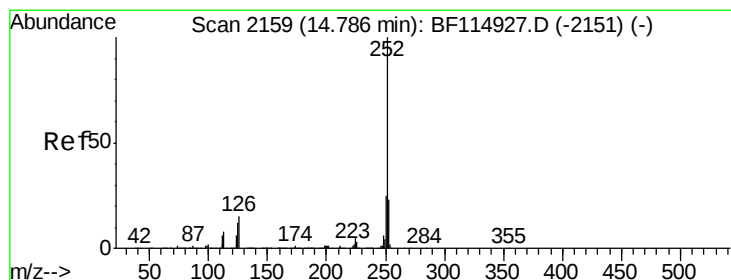
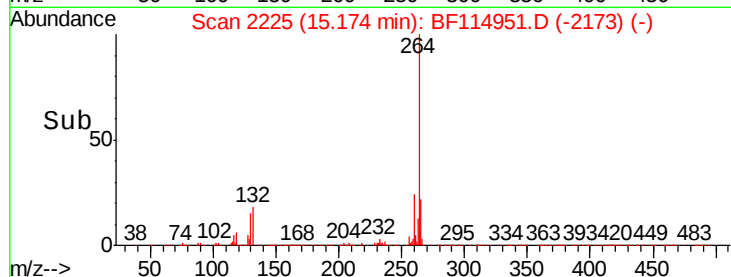
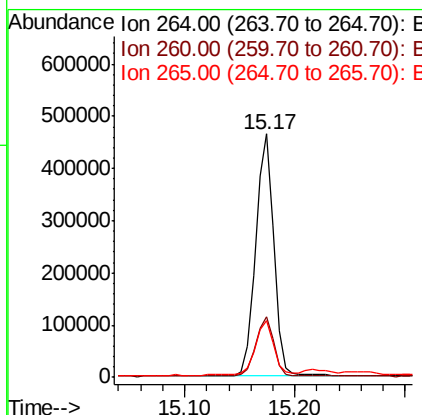
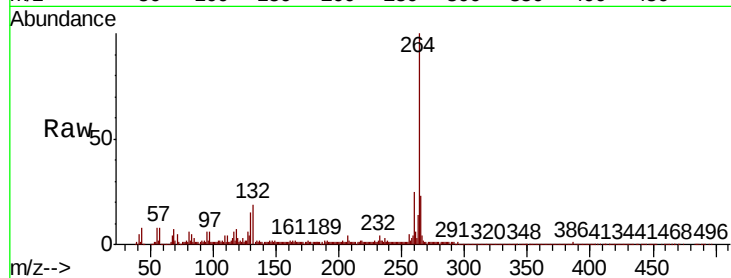


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 536999

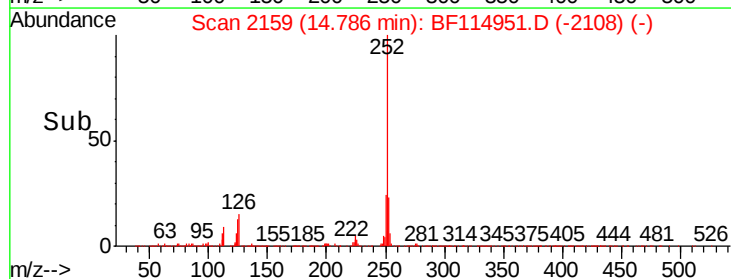
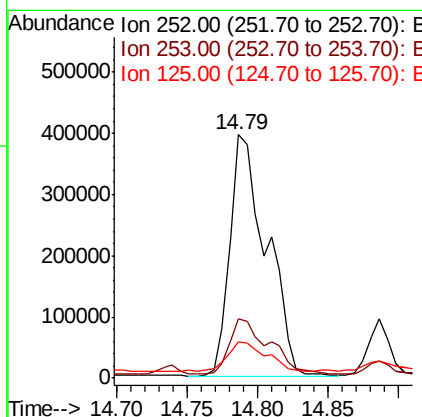
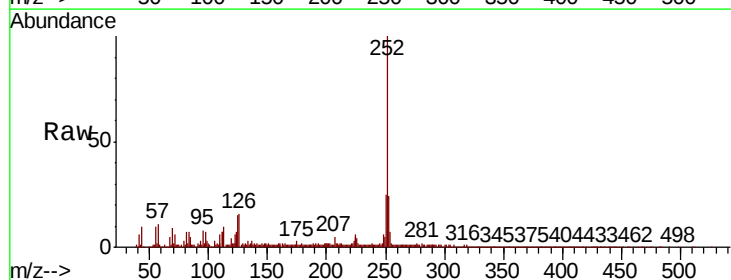
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	23.1	17.5	26.3

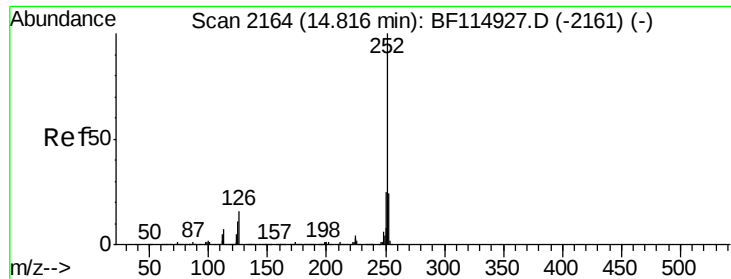


#88
Benzo(b)fluoranthene
Concen: 20.519 ng
RT: 14.79 min Scan# 2159
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion:252 Resp: 717335

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.6	28.0
125	15.1	9.5	14.3

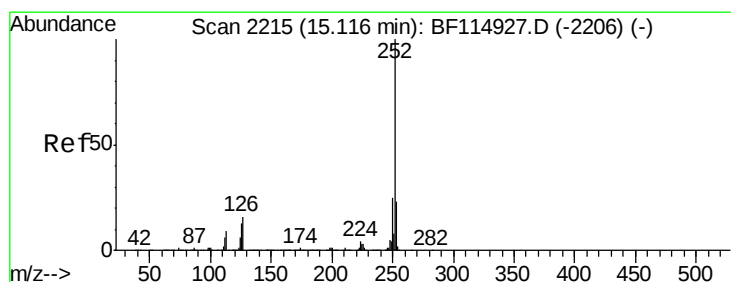
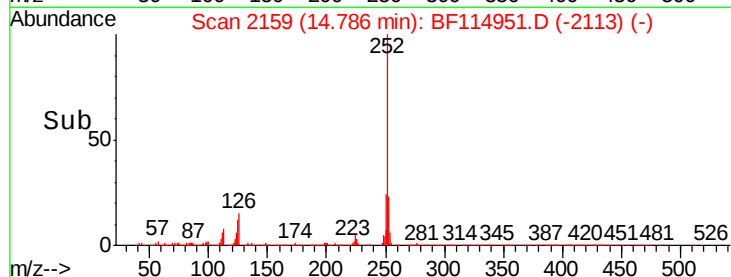
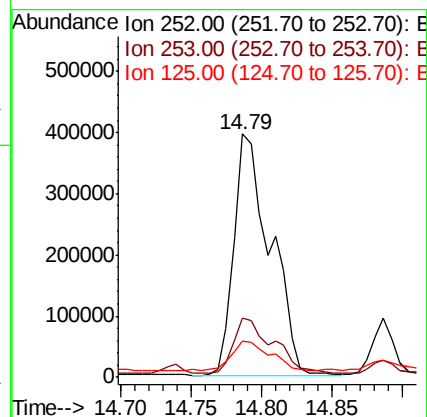
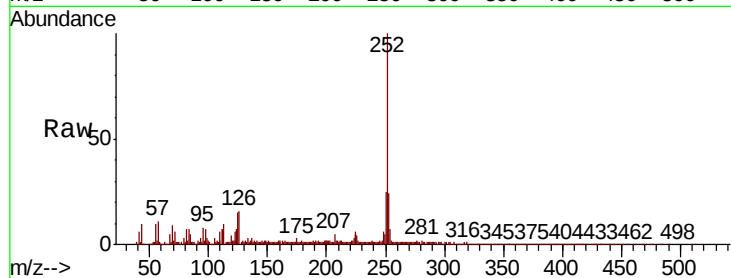




#89
Benzo(k)fluoranthene
Concen: 23.643 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.03 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

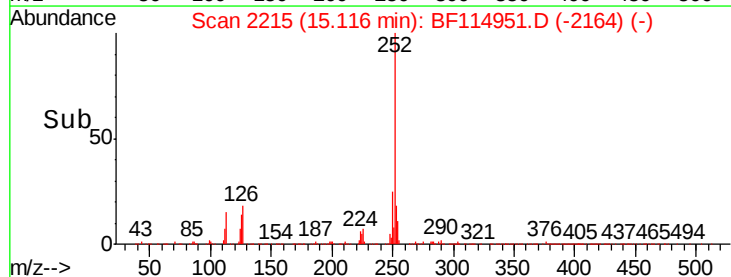
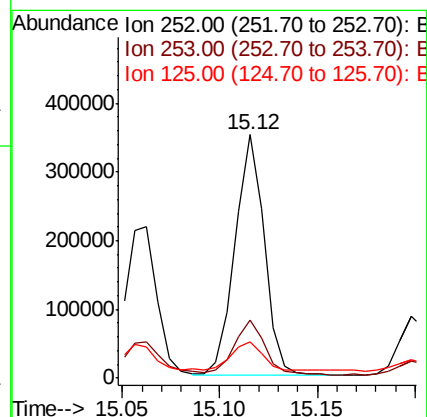
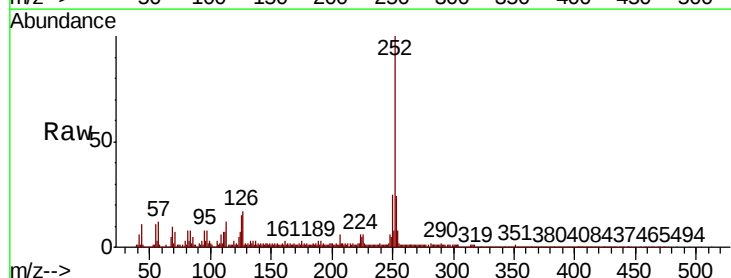
Instrument :
BNA_F
ClientSampled :

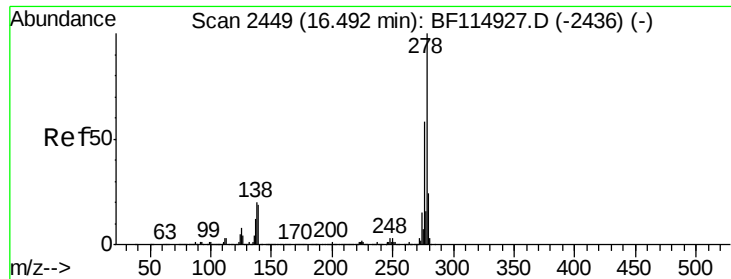
Tot Ion:252 Resp: 717335
Ion Ratio Lower Upper
252 100
253 24.4 18.6 28.0
125 15.1 9.2 13.8#



#90
Benzo(a)pyrene
Concen: 11.982 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Tgt Ion:252 Resp: 363857
Ion Ratio Lower Upper
252 100
253 23.8 18.2 27.2
125 14.8 10.1 15.1





#91

Dibenzo(a,h)anthracene

Concen: 2.067 ng

RT: 16.49 min Scan# 2449

Delta R.T. 0.00 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

Instrument :

BNA_F

ClientSampleId :

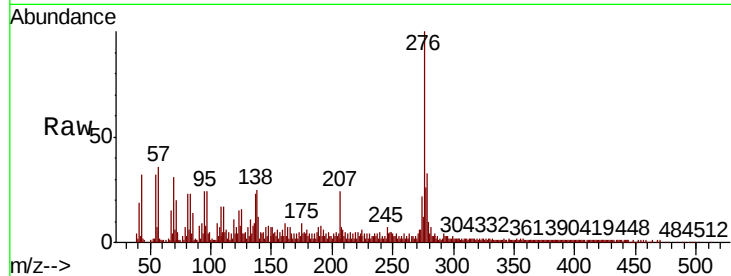
Tot Ion:278 Resp: 53030

Ion Ratio Lower Upper

278 100

139 35.5 15.1 22.7#

279 31.3 19.6 29.4#

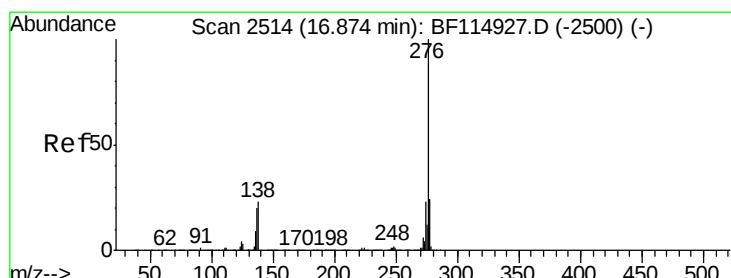
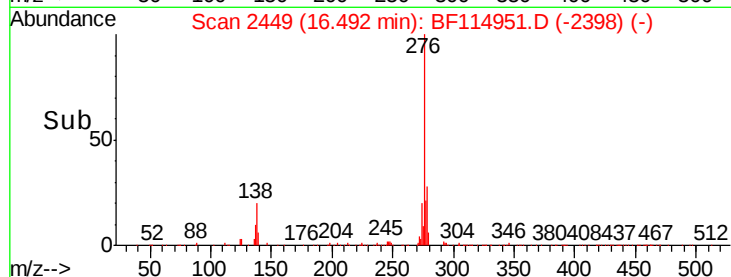
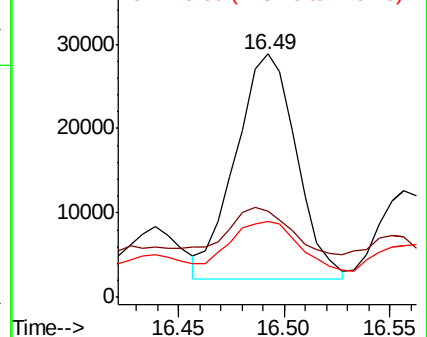


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.110 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BF114951.D

Acq: 11 Jun 2019 18:56

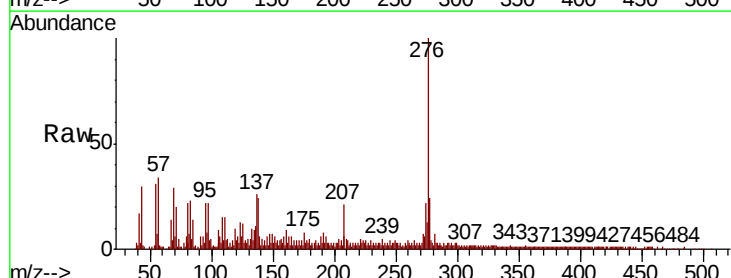
Tgt Ion:276 Resp: 181776

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.6

138 24.4 18.7 28.1



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

