

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 :
 SU-04-060719-B

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

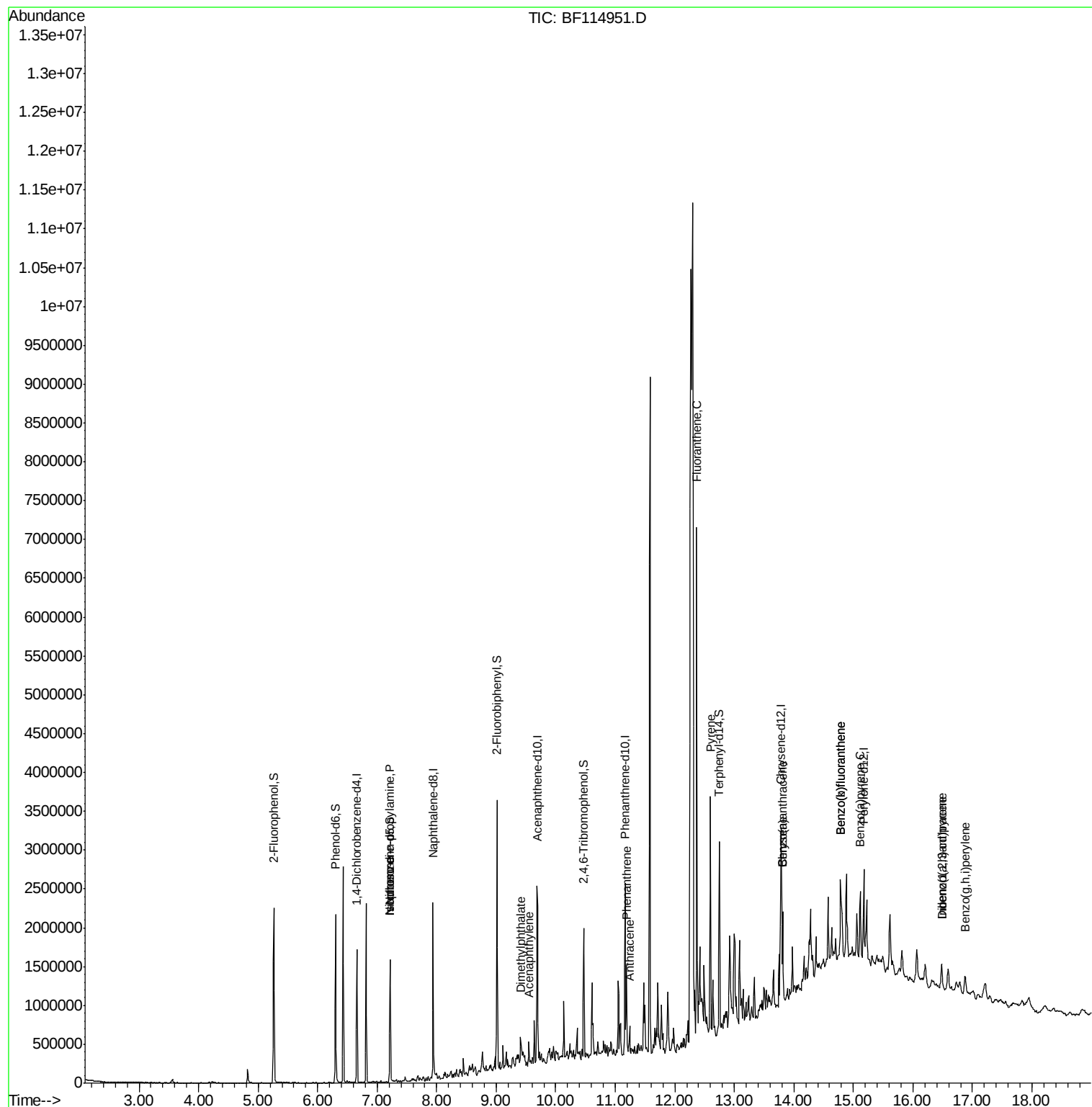
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	64149	5.797	ng	# 76
25) Isophorone	7.22	82	474267	15.732	ng	# 62
49) Acenaphthylene	9.55	152	129256	3.082	ng	98
50) Dimethylphthalate	9.41	163	105952	3.129	ng	97
71) Phenanthrene	11.19	178	395507	10.326	ng	97
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

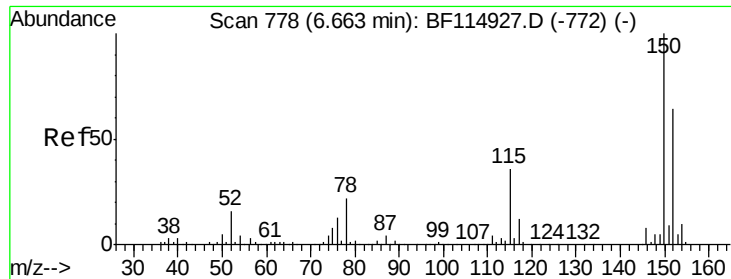
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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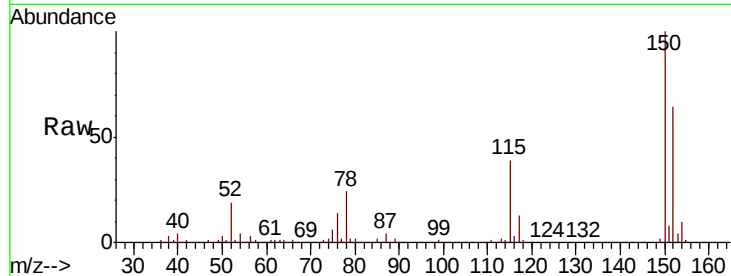


#1

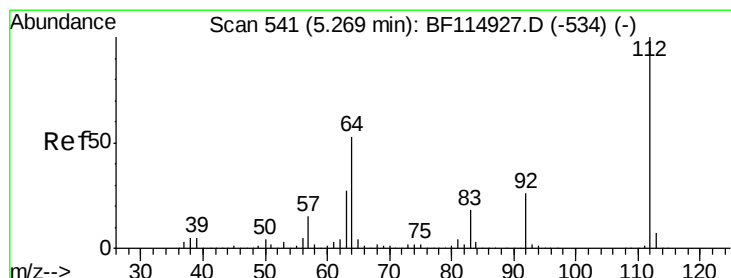
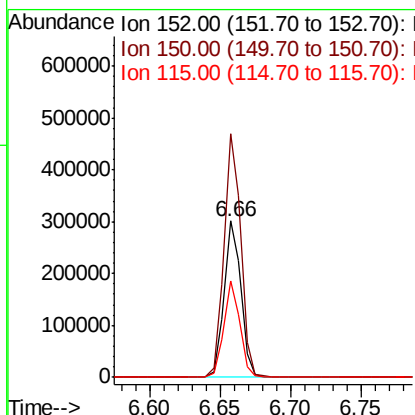
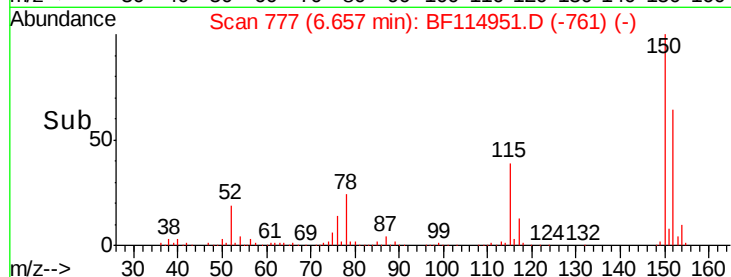
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

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



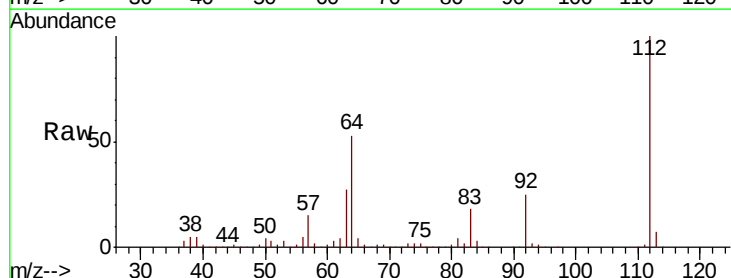
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



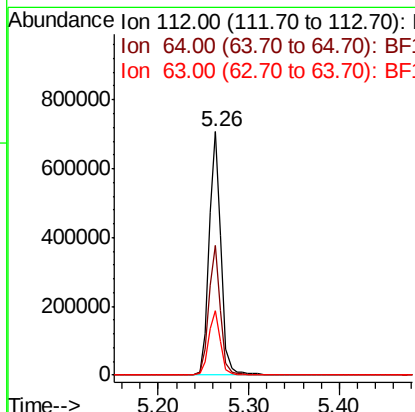
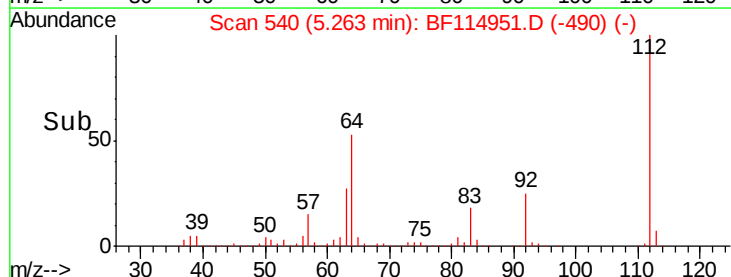
#5

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 :

SU-04-060719-B

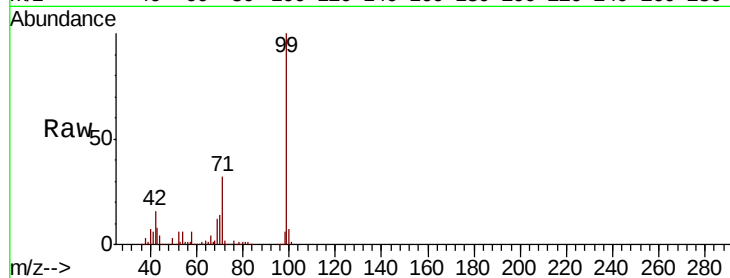
Tot Ion: 99 Resp: 823589

Ion Ratio Lower Upper

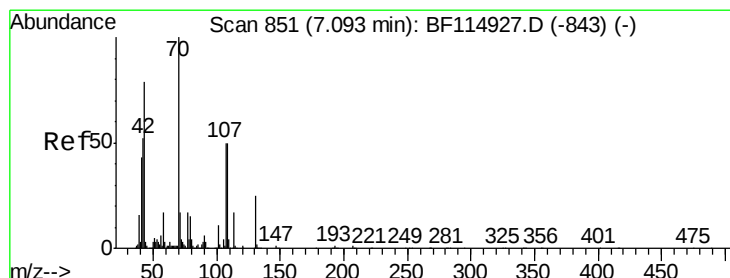
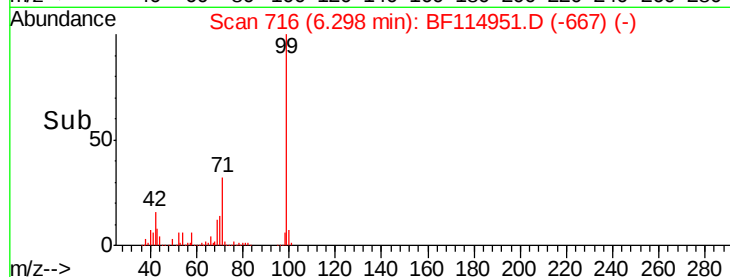
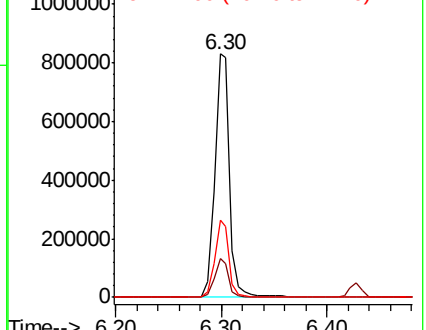
99 100

42 16.0 13.1 19.7

71 31.6 26.8 40.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 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

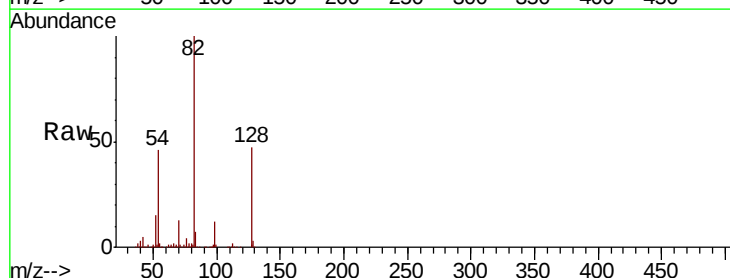
Ion Ratio Lower Upper

70 100

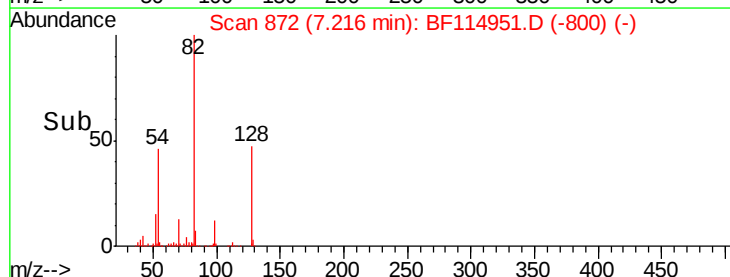
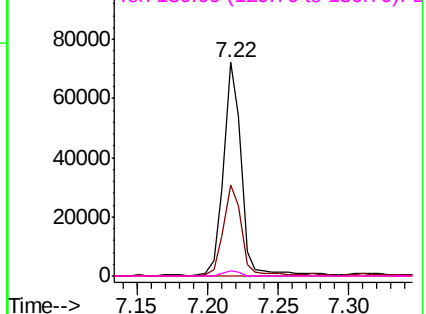
42 42.4 41.7 62.5

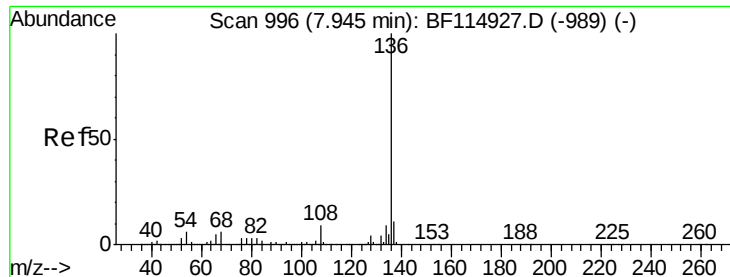
101 0.0 8.4 12.6#

130 2.3 19.9 29.9#



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: 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 :

SU-04-060719-B

Tot Ion:136 Resp: 945906

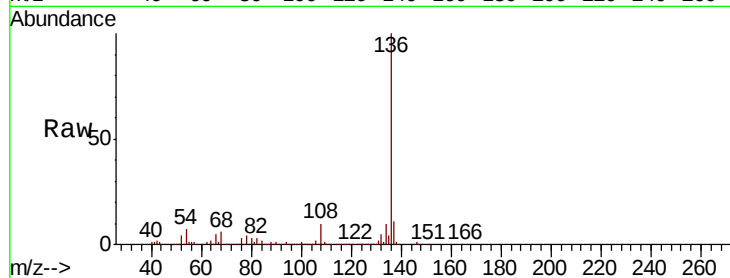
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 7.0 5.2 7.8

68 6.3 4.6 7.0

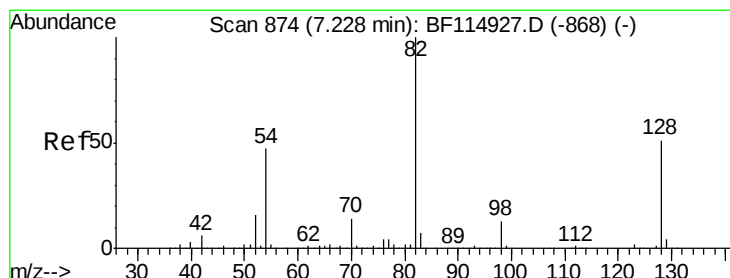
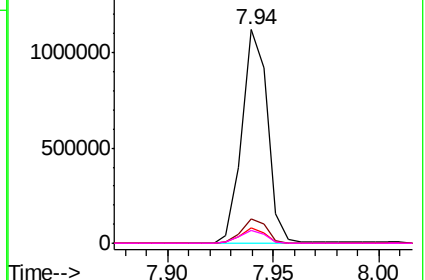
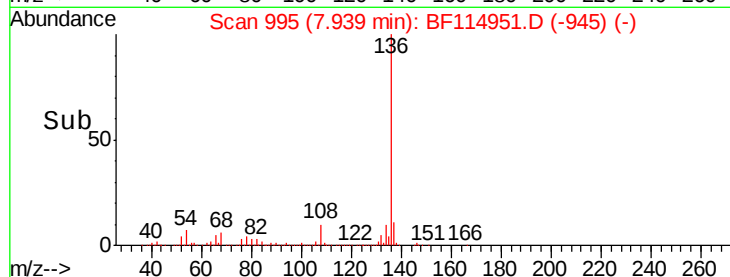


Abundance Ion 136.00 (135.70 to 136.70): E

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

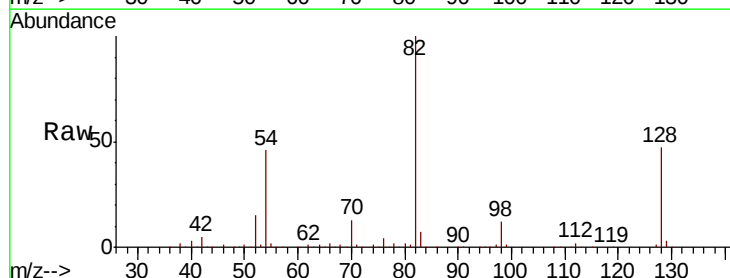
Tgt Ion: 82 Resp: 484547

Ion Ratio Lower Upper

82 100

128 46.5 40.9 61.3

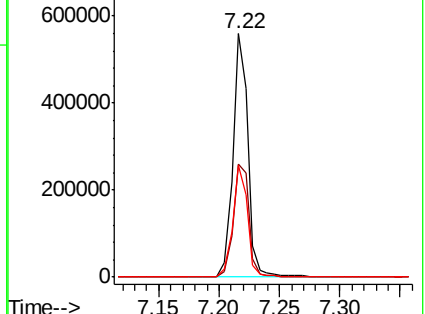
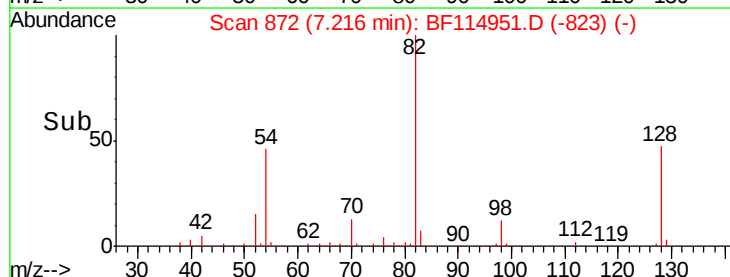
54 45.9 37.4 56.0

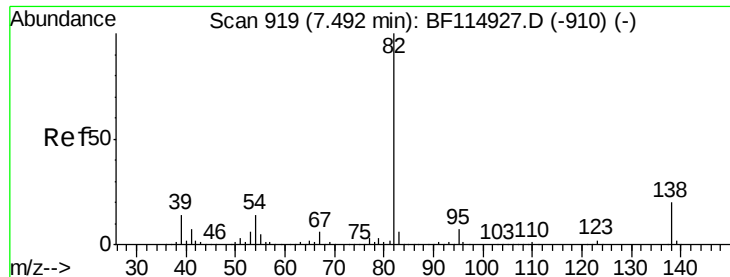


Abundance Ion 82.00 (81.70 to 82.70): BF1

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 :

SU-04-060719-B

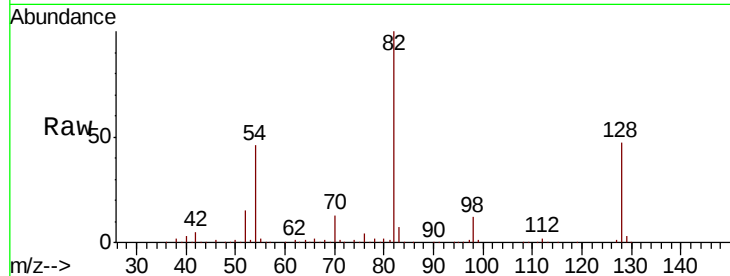
Tot Ion: 82 Resp: 474267

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

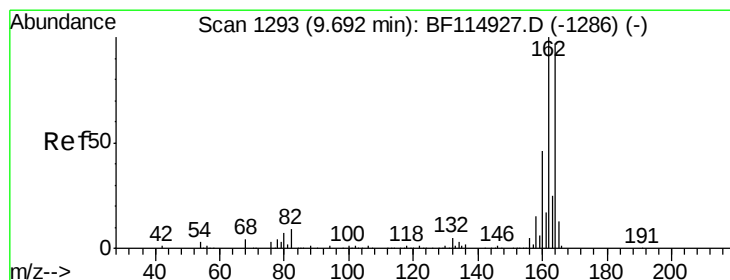
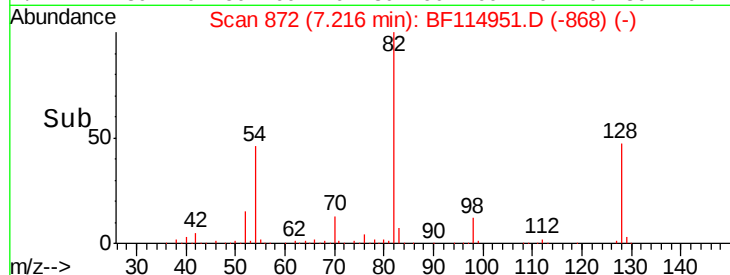
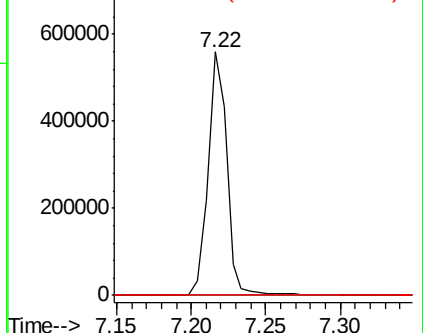
138 0.0 16.4 24.6#



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

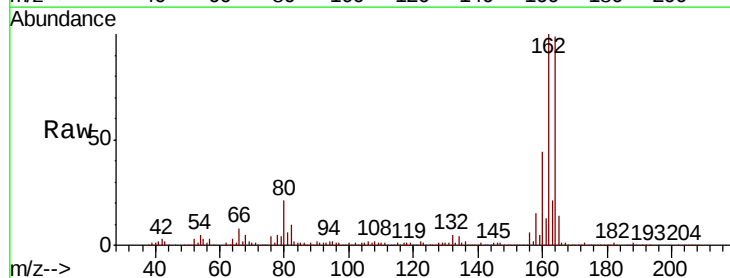
Tgt Ion: 164 Resp: 450578

Ion Ratio Lower Upper

164 100

162 101.0 82.4 123.6

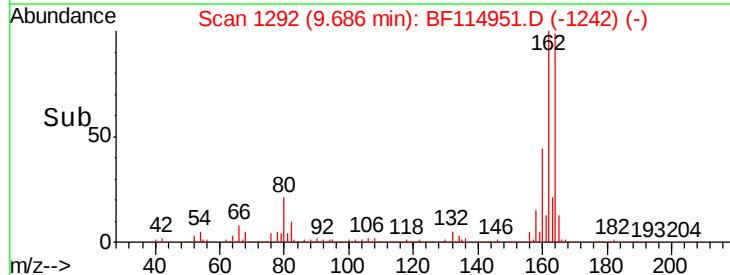
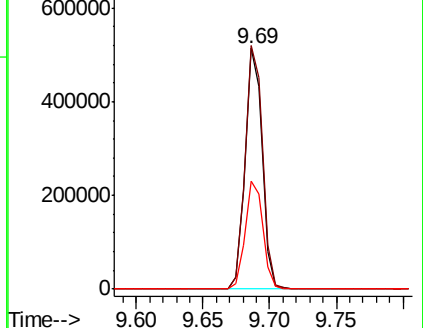
160 44.8 37.5 56.3

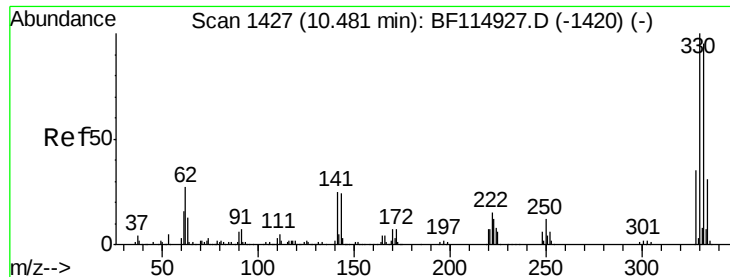


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

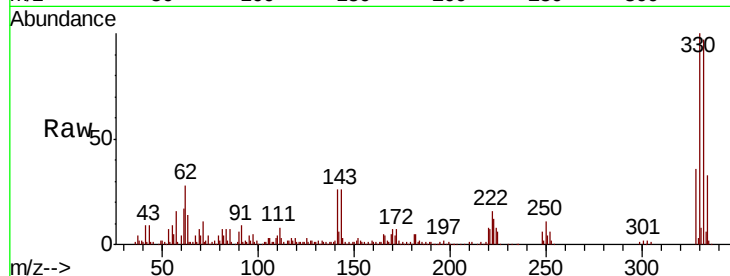




#42
 2,4,6-Tribromophenol
 Concen: 38.477 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF114951.D
 Acq: 11 Jun 2019 18:56

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-060719-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.4	114.6
141	34.9	26.8	40.2

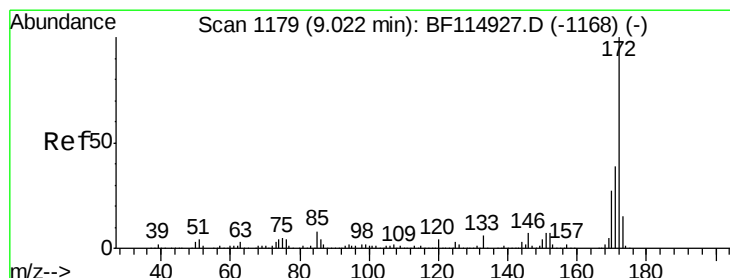
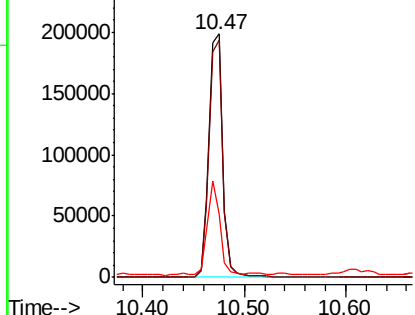
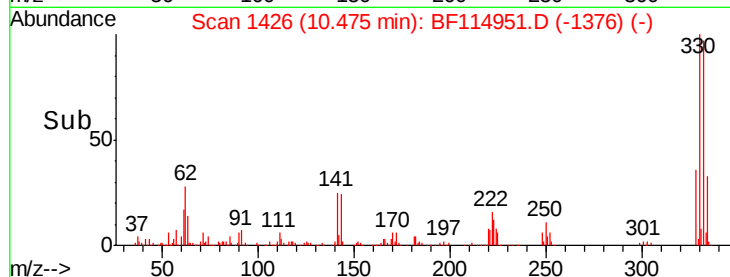


Abundance

Ion 329.80 (329.50 to 330.50): E

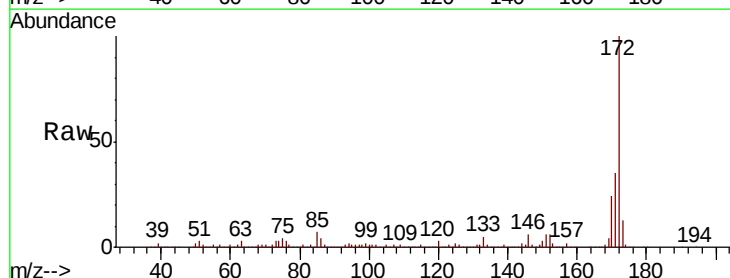
Ion 331.80 (331.50 to 332.50): E

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	Ratio	Lower	Upper
172	100		
171	35.5	31.3	46.9
170	24.0	21.4	32.0

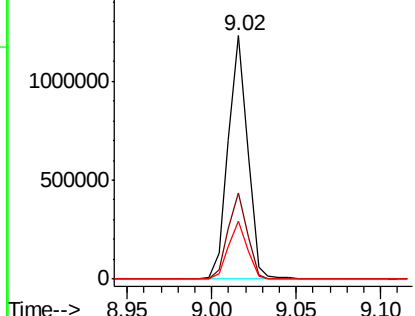
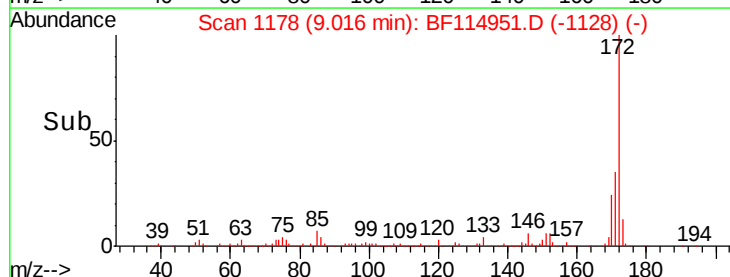


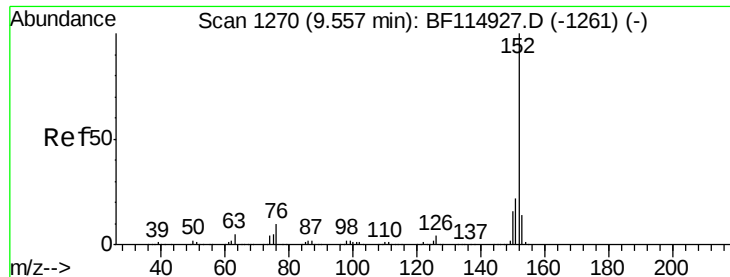
Abundance

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 :

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SU-04-060719-B

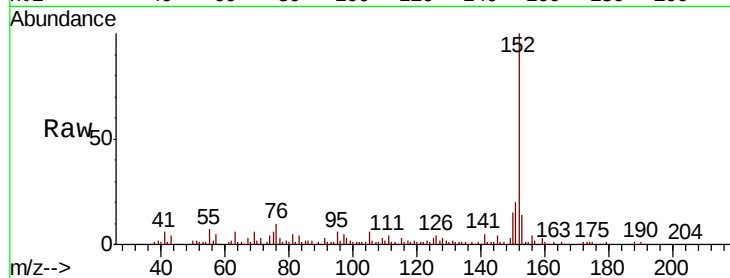
Tot Ion:152 Resp: 129256

Ion Ratio Lower Upper

152 100

151 20.5 17.6 26.4

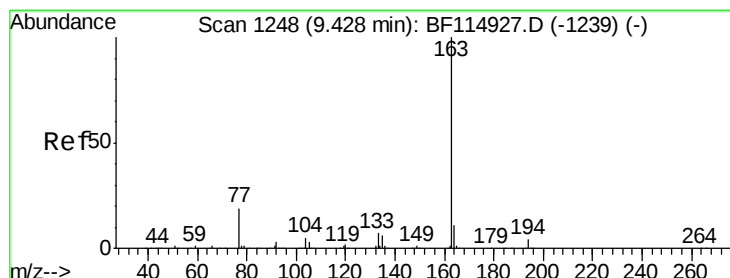
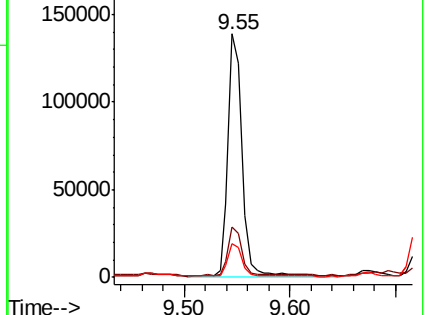
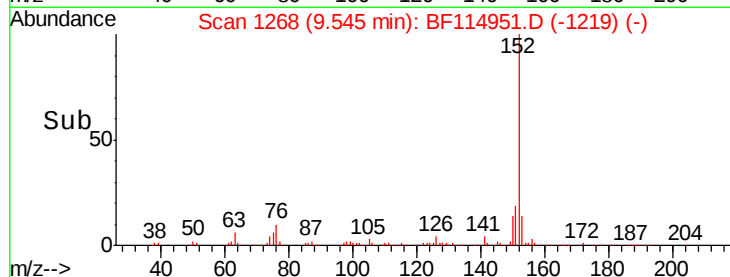
153 13.7 11.4 17.0



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

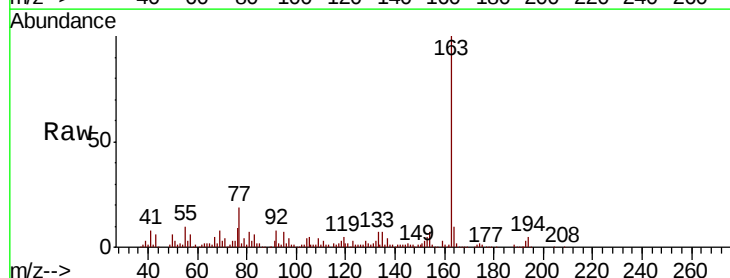
Tgt Ion:163 Resp: 105952

Ion Ratio Lower Upper

163 100

194 4.8 3.4 5.0

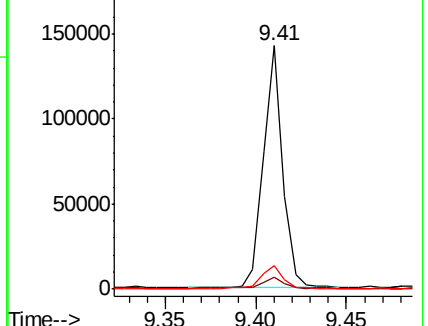
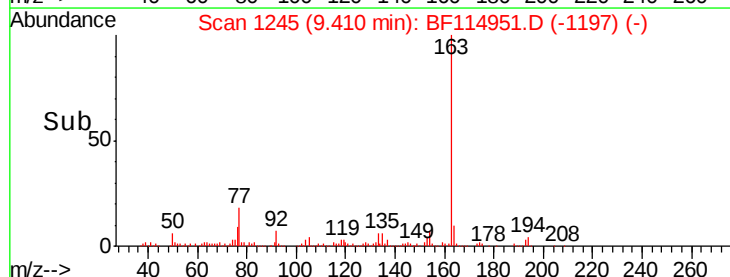
164 9.7 8.7 13.1

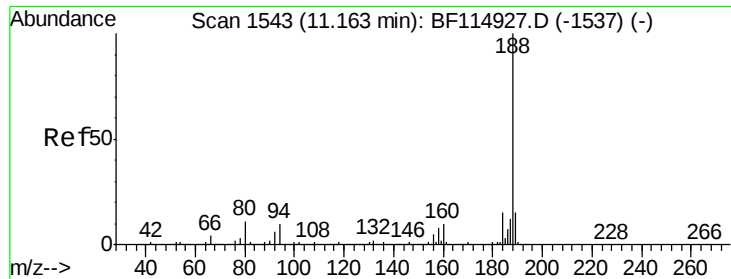


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

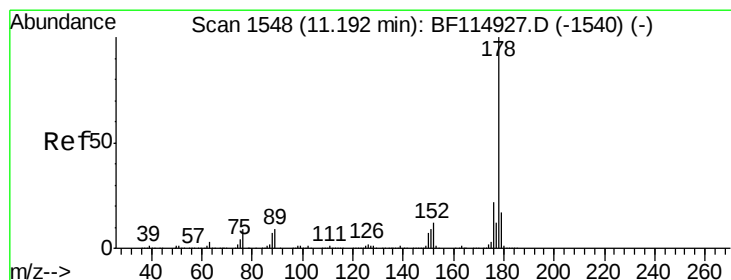
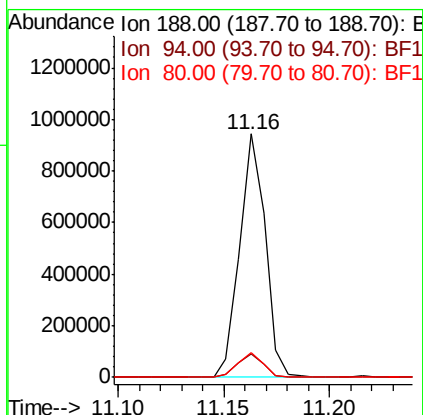
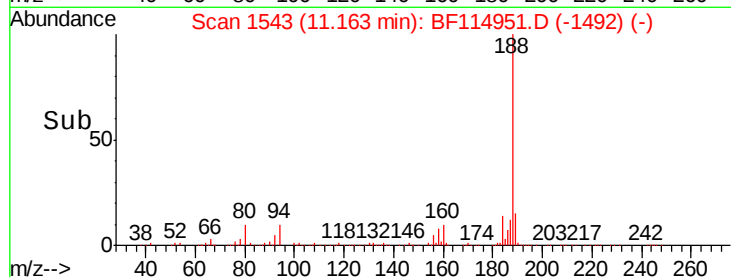
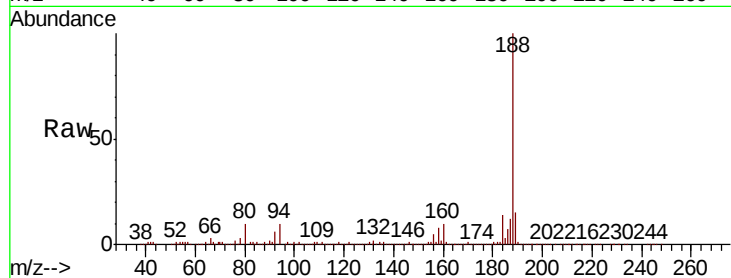




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

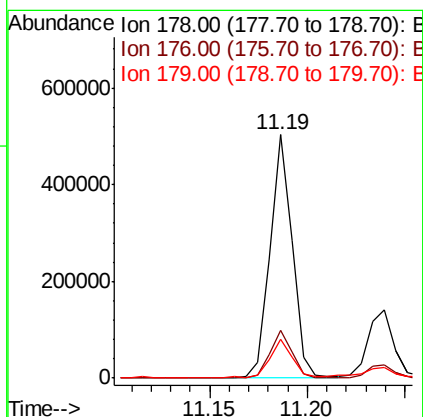
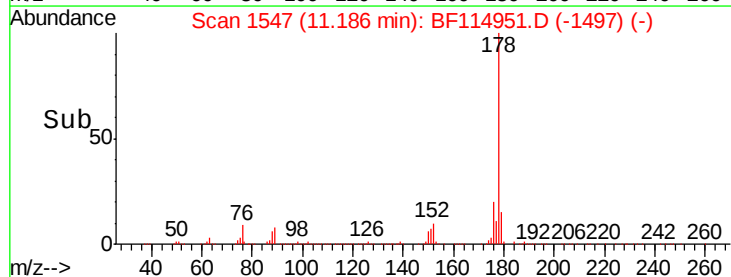
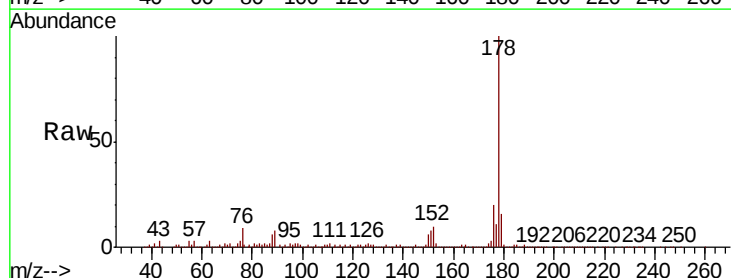
Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

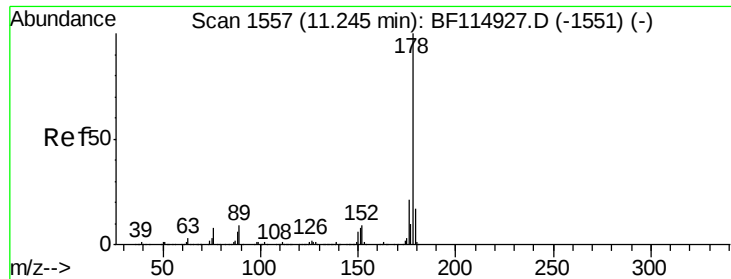
Tot Ion:188 Resp: 789450
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.3 8.6 12.8



#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





#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 :

SU-04-060719-B

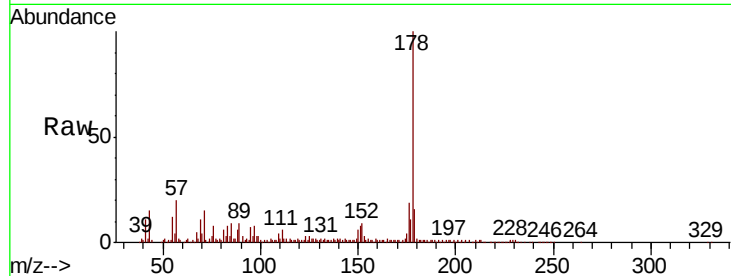
Tot Ion:178 Resp: 121830

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

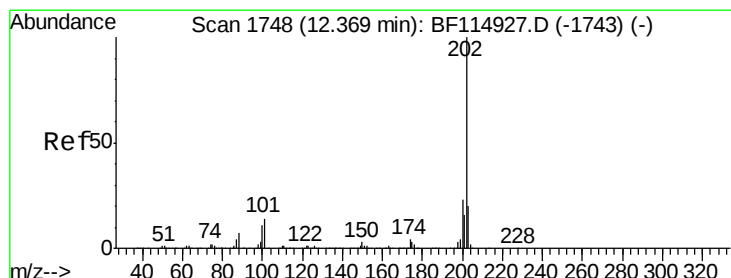
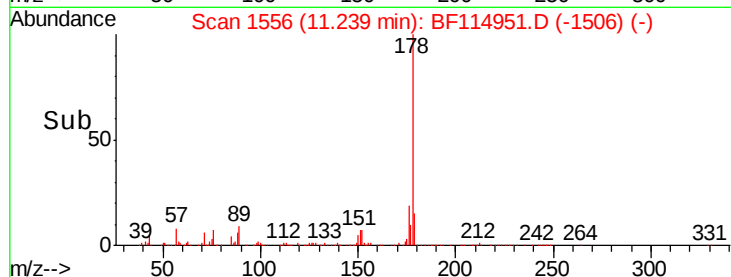
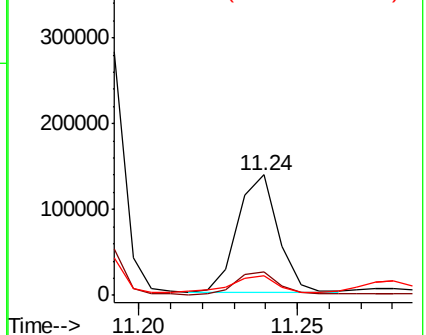
179 16.1 13.4 20.2



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

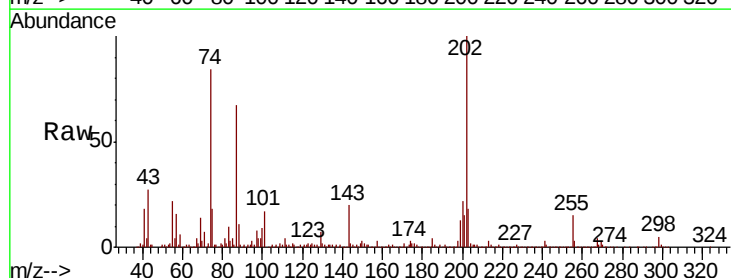
Tgt Ion:202 Resp: 694682

Ion Ratio Lower Upper

202 100

101 16.8 0.0 34.3

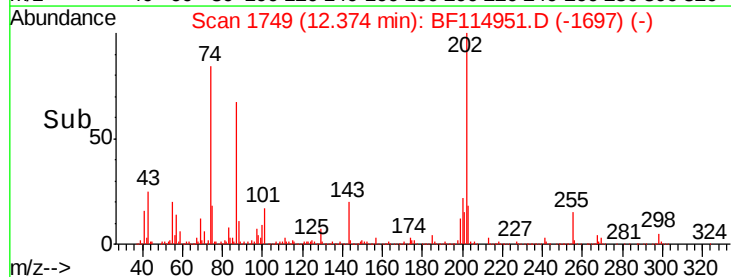
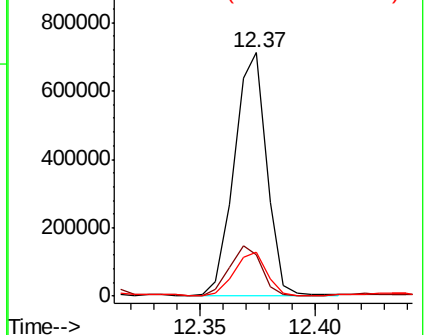
203 17.8 0.0 39.6

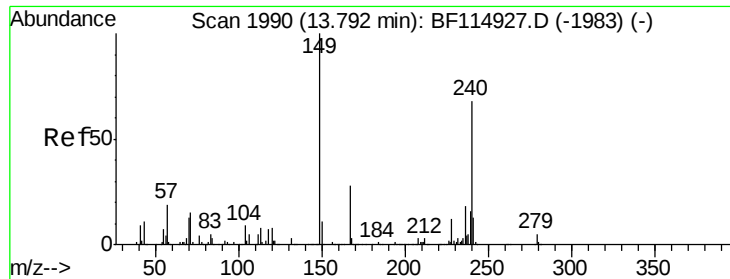


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

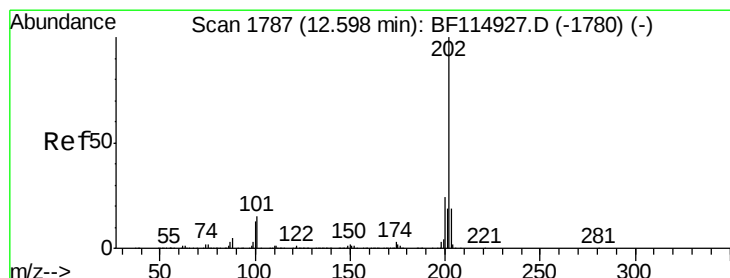
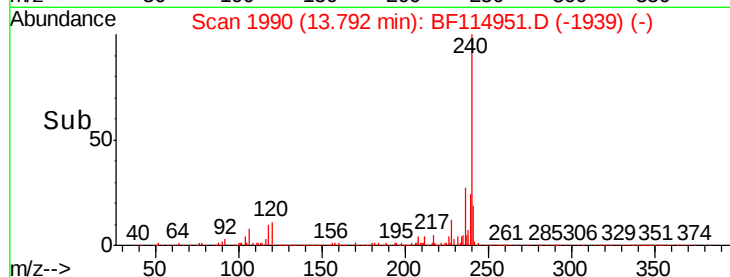
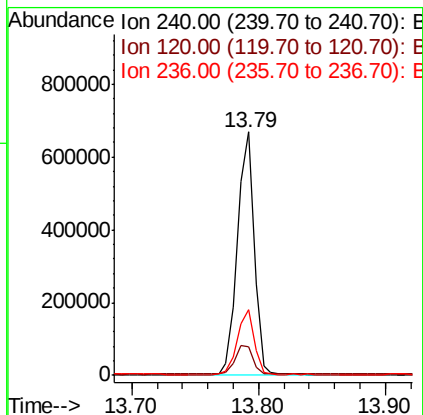
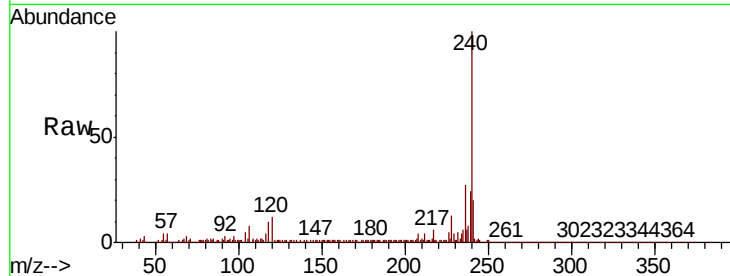




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.79 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

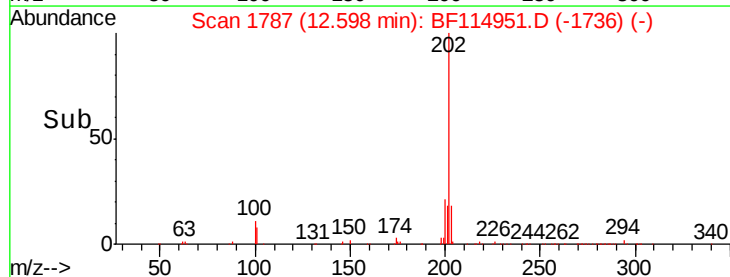
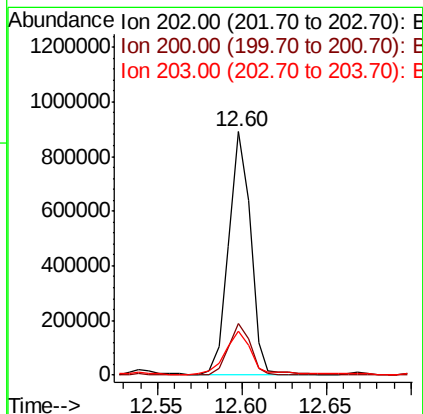
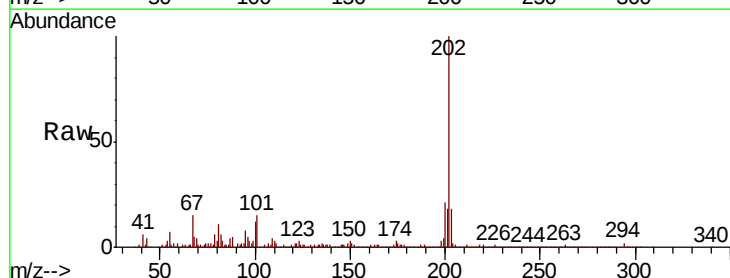
Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

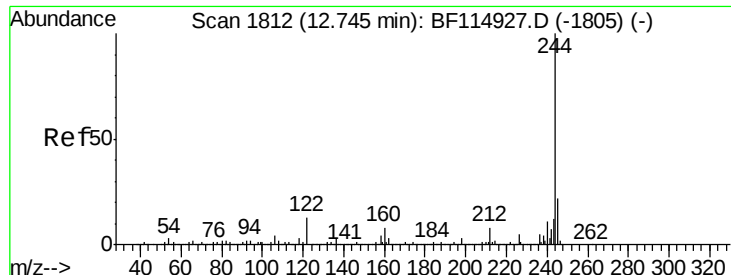
Tot Ion:240 Resp: 604174
Ion Ratio Lower Upper
240 100
120 11.9 9.2 13.8
236 27.0 21.7 32.5



#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 :

SU-04-060719-B

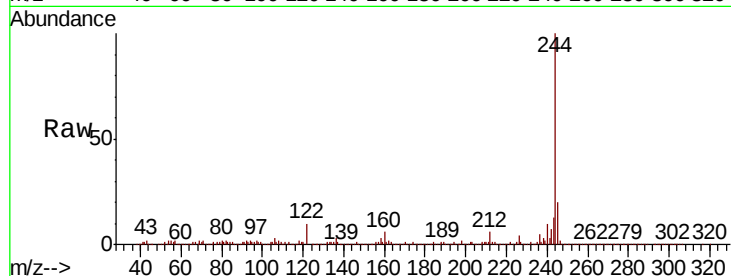
Tot Ion:244 Resp: 904275

Ion Ratio Lower Upper

244 100

212 6.5 6.2 9.2

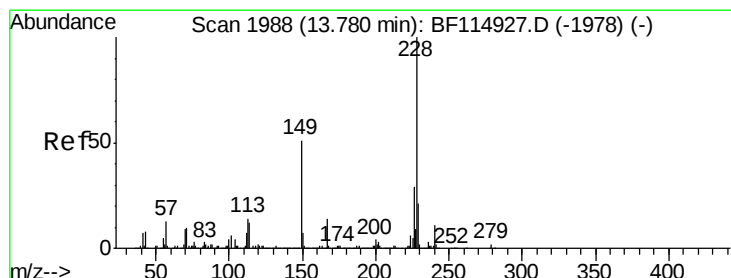
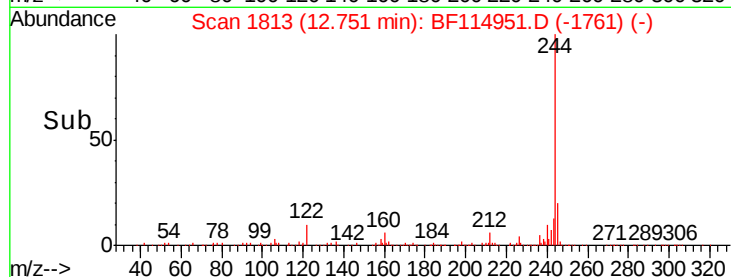
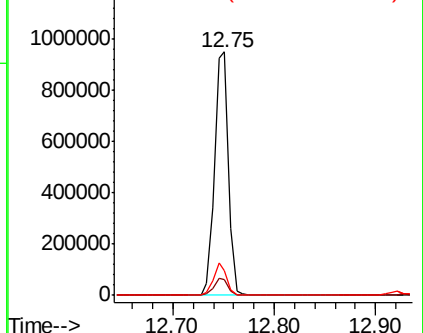
122 10.1 10.2 15.4#



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

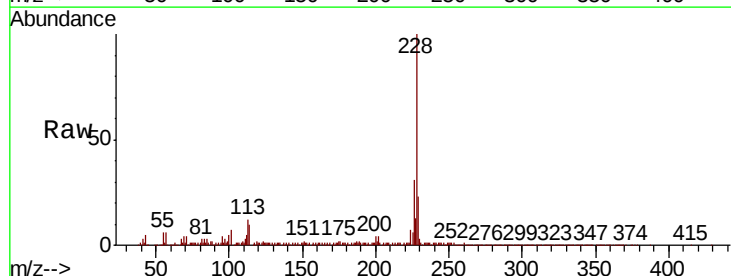
Tgt Ion:228 Resp: 479588

Ion Ratio Lower Upper

228 100

226 30.8 22.8 34.2

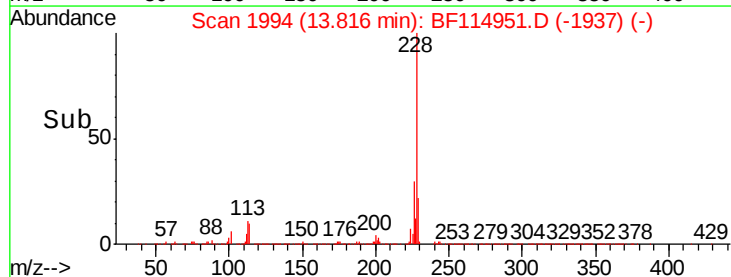
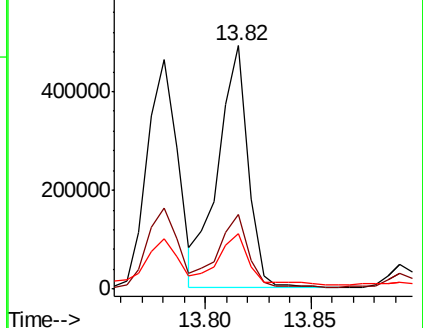
229 22.7 16.6 25.0

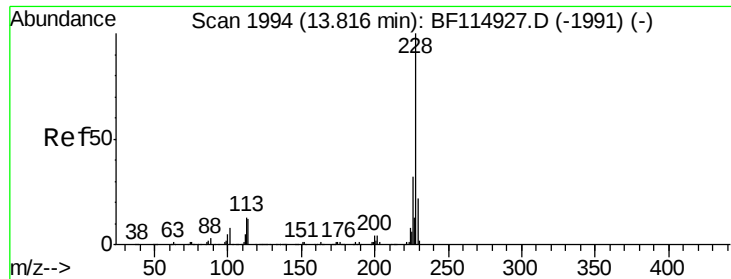


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

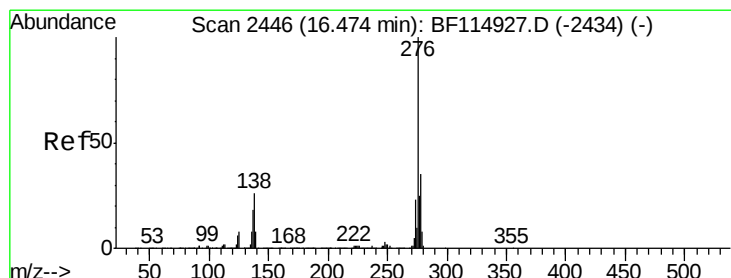
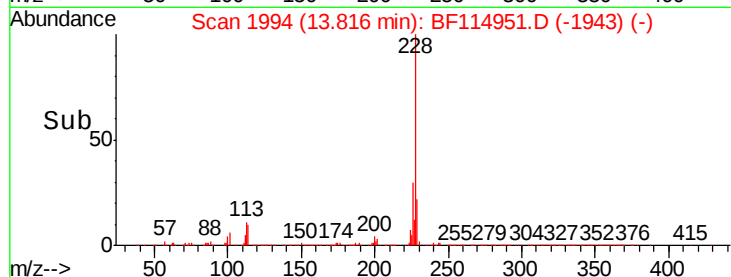
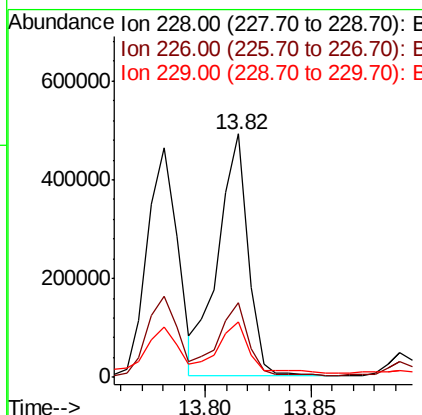
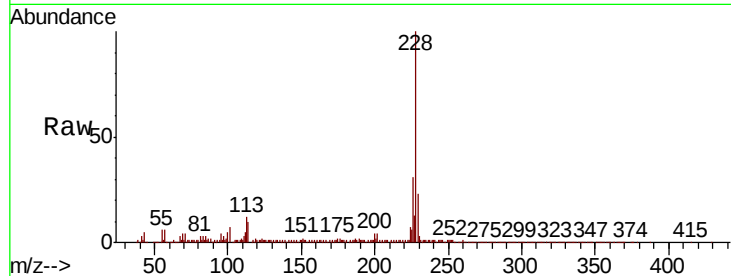




#83
Chrysene
Concen: 10.691 ng
RT: 13.82 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

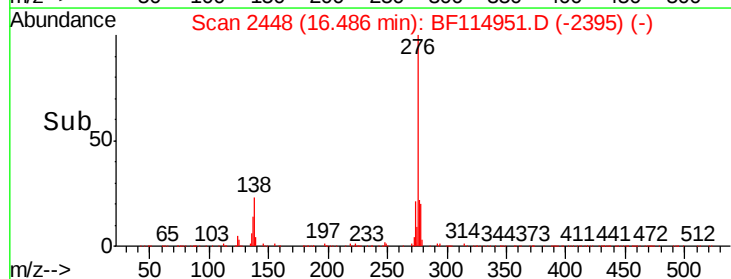
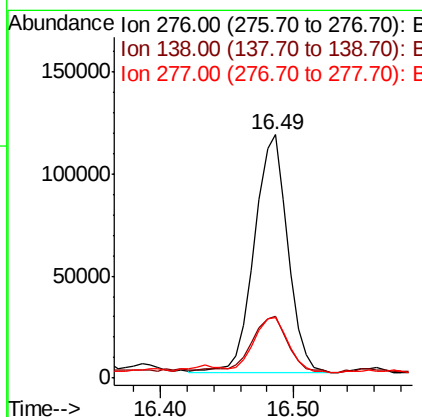
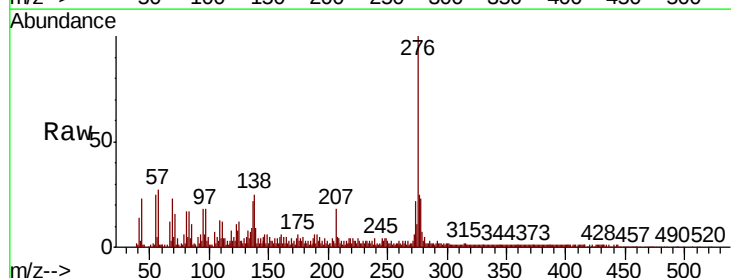
Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

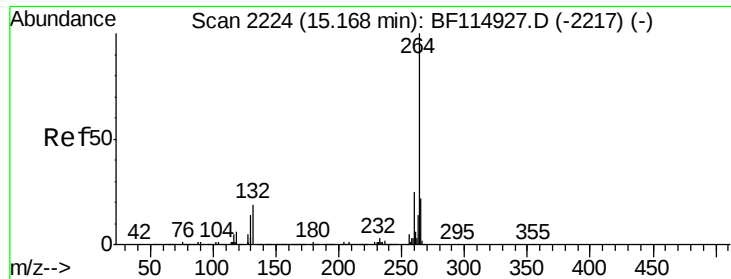
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.8	38.8
229	22.7	17.2	25.8



#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	Ratio	Lower	Upper
276	100		
138	25.5	23.3	34.9
277	23.9	20.5	30.7

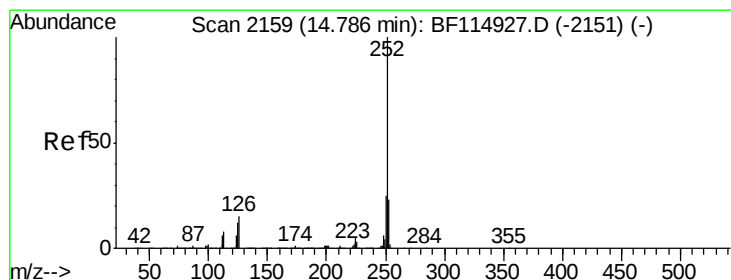
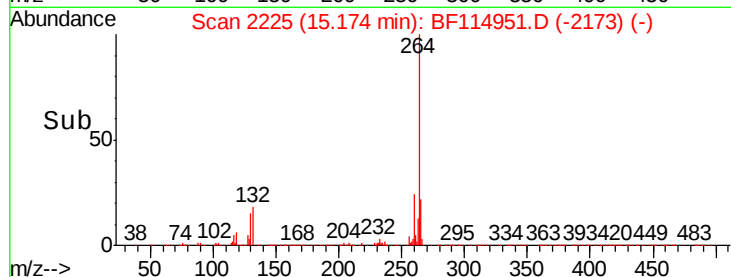
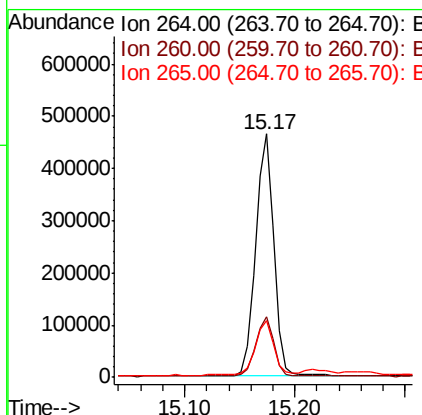
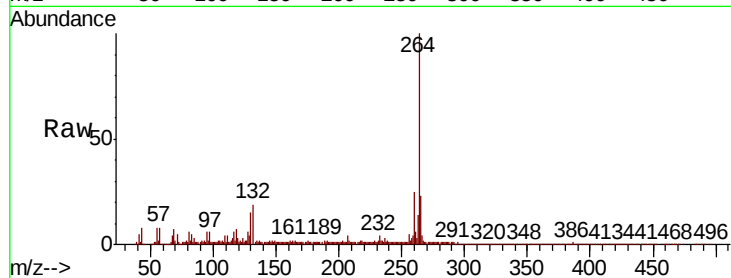




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

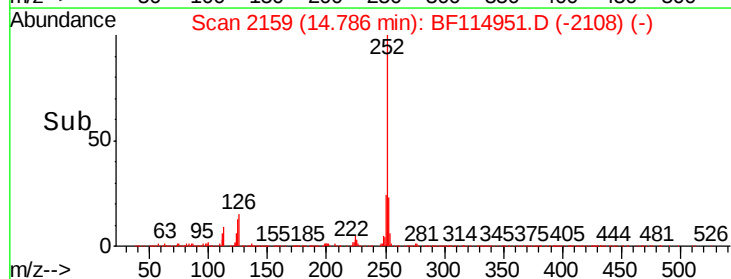
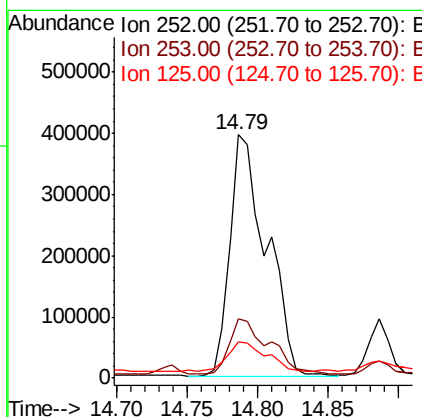
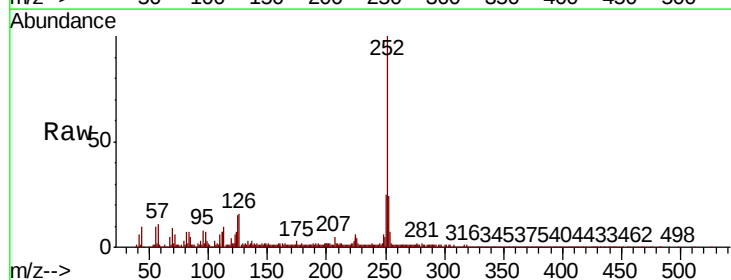
Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

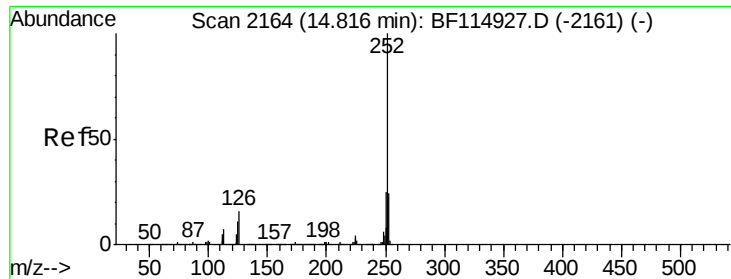
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.7	29.5
265	23.1	17.5	26.3



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

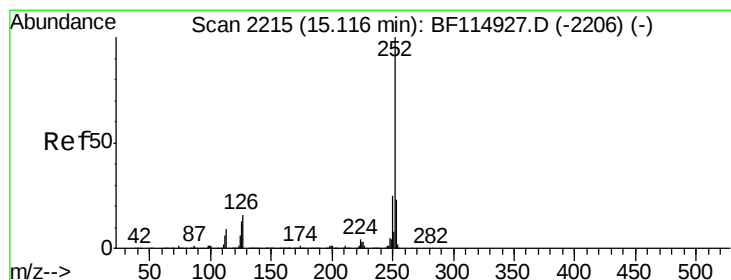
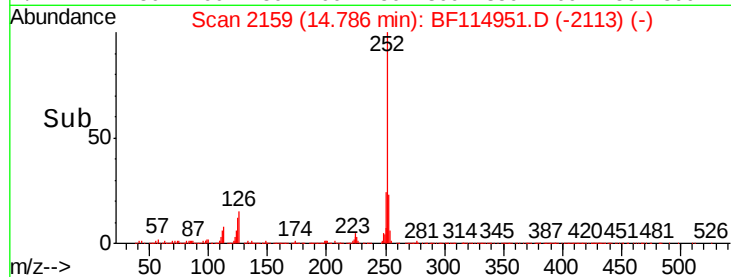
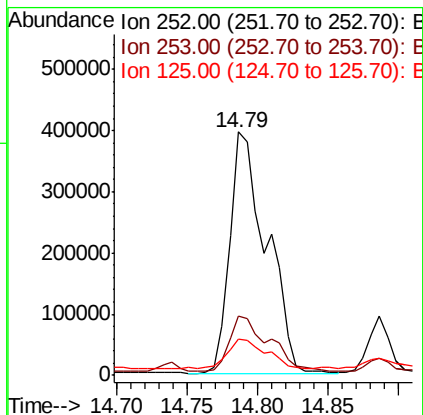
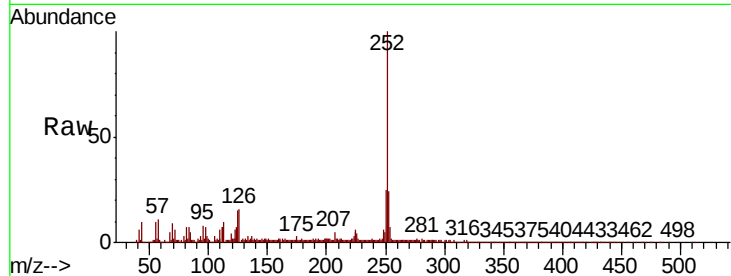




#89
Benzo(k)fluoranthene
Concen: 23.643 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.03 min
Lab File: BF114951.D
Acq: 11 Jun 2019 18:56

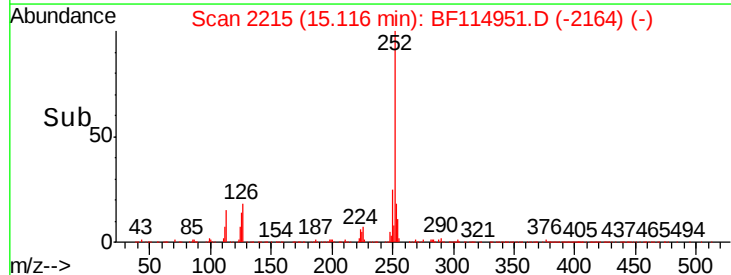
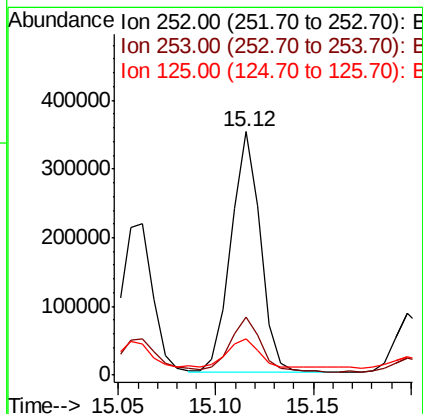
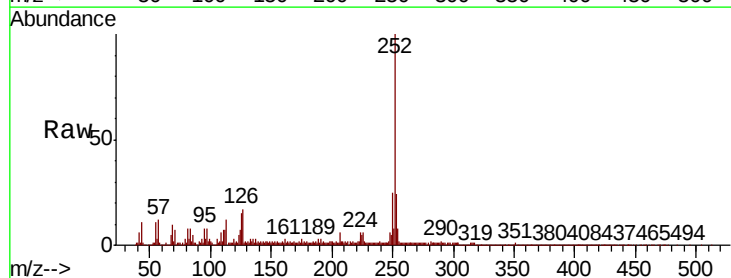
Instrument :
BNA_F
ClientSampleId :
SU-04-060719-B

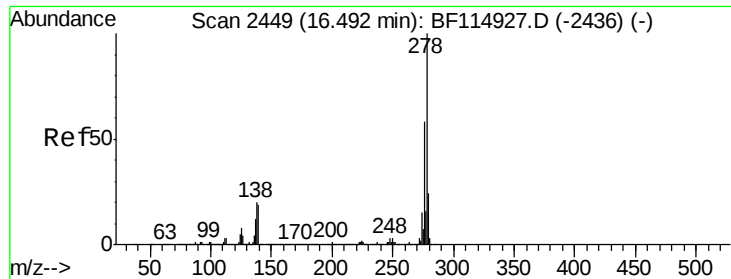
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.6	28.0
125	15.1	9.2	13.8



#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	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 :

SU-04-060719-B

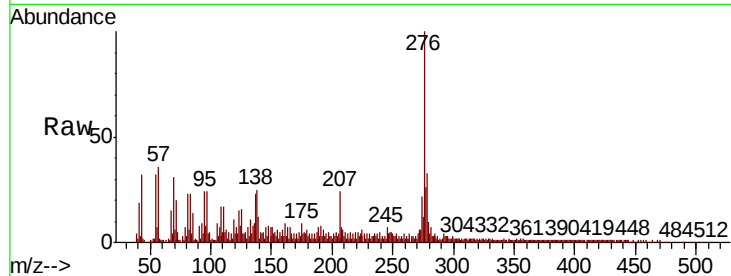
Tot Ion:278 Resp: 53030

Ion Ratio Lower Upper

278 100

139 35.5 15.1 22.7#

279 31.3 19.6 29.4#

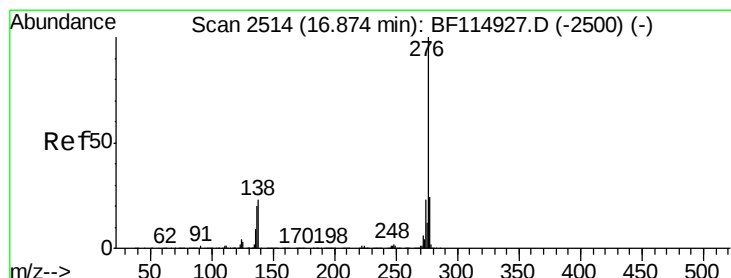
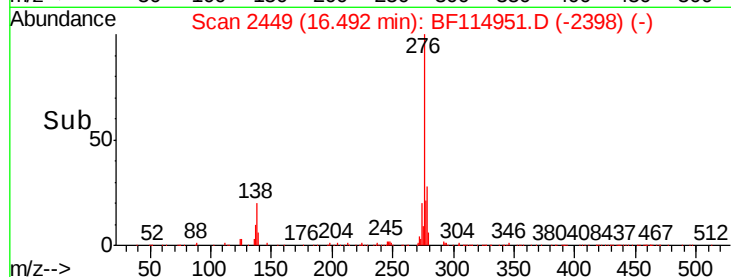
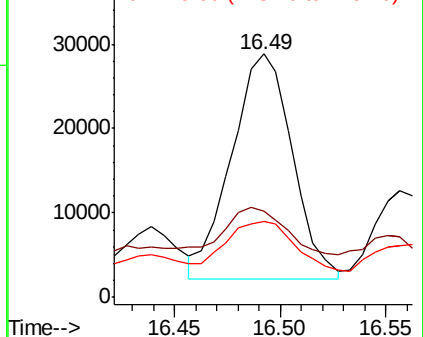


Abundance

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

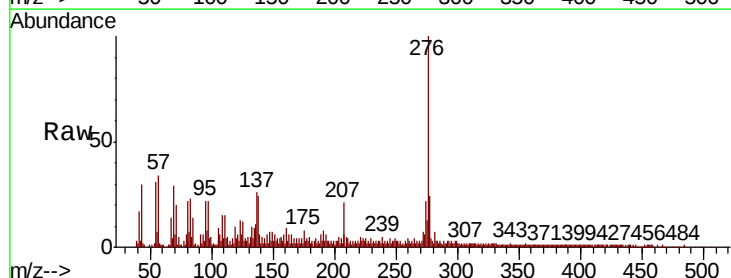
Tgt Ion:276 Resp: 181776

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

