

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114670.D
 Acq On : 30 May 2019 19:56
 Operator : HP/JU
 Sample : K3074-05
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:45:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 29 19:08:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	414553	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1582974	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	808140	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1576232	20.00	ng	0.00
76) Chrysene-d12	13.82	240	1045889	20.00	ng	0.00
87) Perylene-d12	15.20	264	1088872	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	2324145	98.43	ng	0.01
7) Phenol-d6	6.33	99	2885277	101.41	ng	0.00
23) Nitrobenzene-d5	7.25	82	1773049	69.88	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	647767	84.12	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3097988	69.00	ng	0.00
79) Terphenyl-d14	12.78	244	3387107	60.89	ng	0.00

Target Compounds

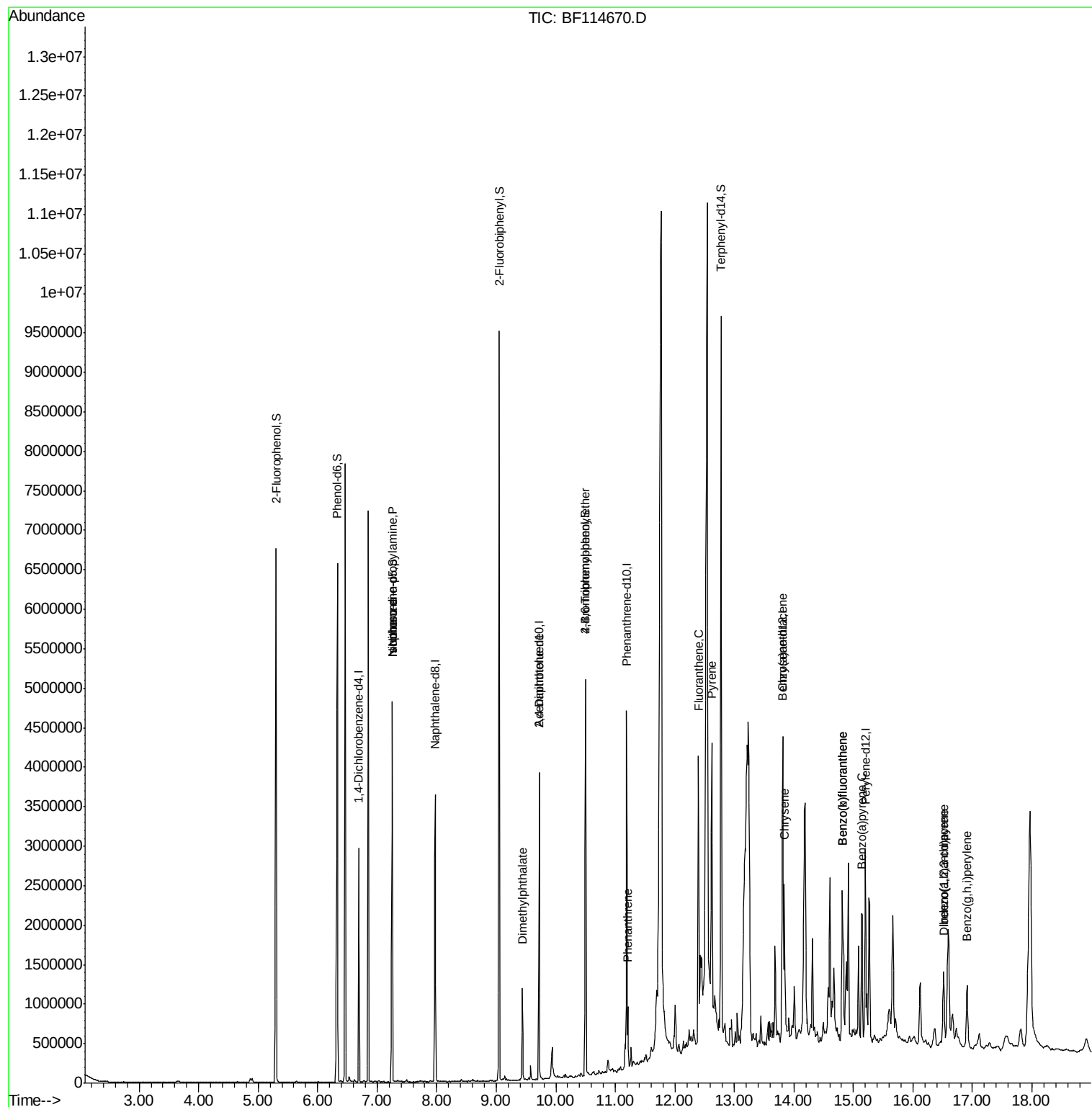
						Qvalue
9) Benzaldehyde	6.33	77	5616	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.25	70	242750	12.360 ng	#	78
25) Isophorone	7.25	82	1714603	33.673 ng	#	63
50) Dimethylphthalate	9.44	163	413762	7.348 ng		99
57) 2,4-Dinitrotoluene	9.72	165	105704	6.294 ng	#	23
58) Fluorene	10.26	166	8542	Below Cal		95
67) 4-Bromophenyl-phenylether	10.50	248	42121	2.492 ng	#	1
69) Atrazine	10.88	200	361	Below Cal	#	36
71) Phenanthrene	11.22	178	264889	3.294 ng		95
74) Di-n-butylphthalate	11.77	149	25043	Below Cal	#	84
75) Fluoranthene	12.40	202	1342036	16.119 ng		97
78) Pyrene	12.62	202	1306473	14.767 ng		98
81) Benzo(a)anthracene	13.80	228	812661	10.111 ng		99
83) Chrysene	13.84	228	682549	8.889 ng		97
86) Indeno(1,2,3-cd)pyrene	16.52	276	606028	7.880 ng		94
88) Benzo(b)fluoranthene	14.81	252	1342427	19.574 ng		99
89) Benzo(k)fluoranthene	14.81	252	1342427	22.520 ng		99
90) Benzo(a)pyrene	15.14	252	752265	12.486 ng		100
91) Dibenzo(a,h)anthracene	16.53	278	146887	2.759 ng		96
92) Benzo(a,h,i)perylene	16.91	276	575991	11.147 ng		99

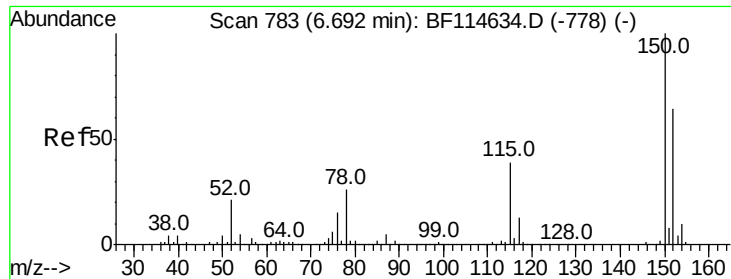
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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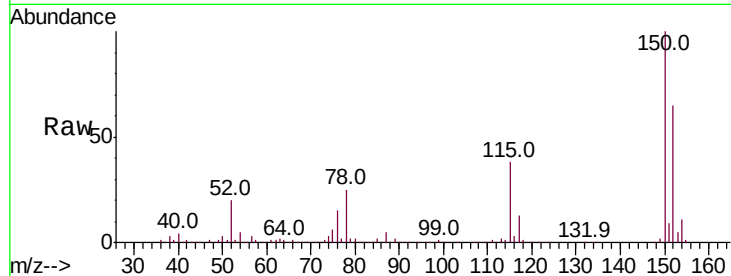


#1

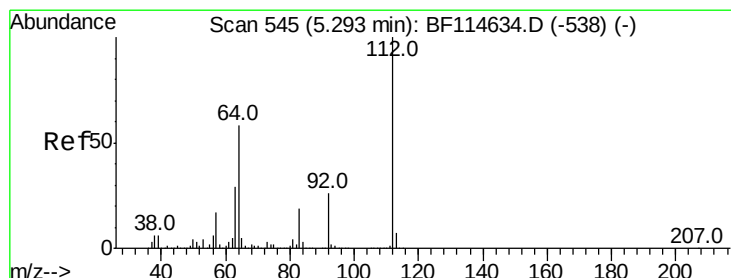
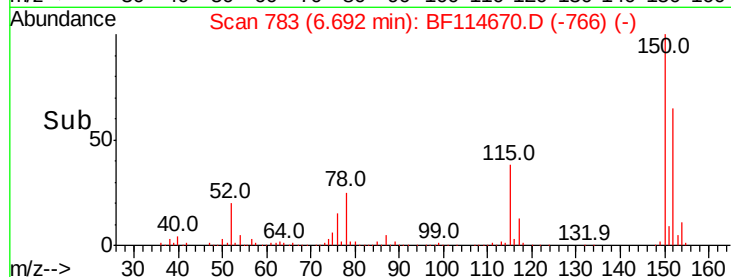
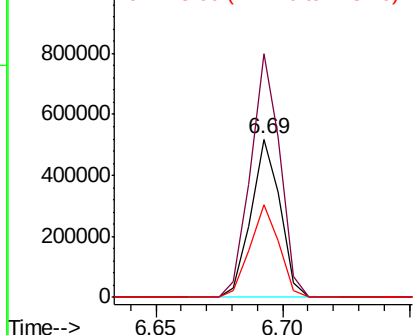
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 414553
Ion Ratio Lower Upper
152 100
150 153.9 124.4 186.6
115 58.9 48.7 73.1



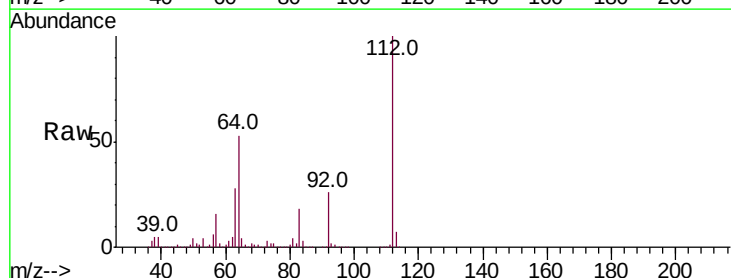
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



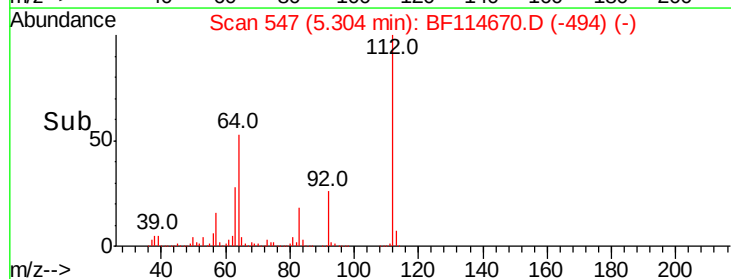
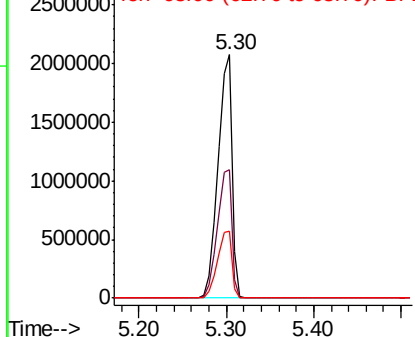
#5

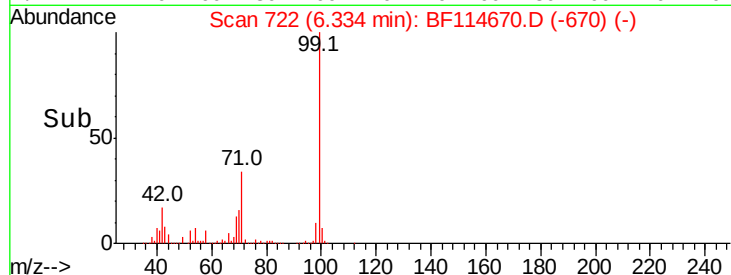
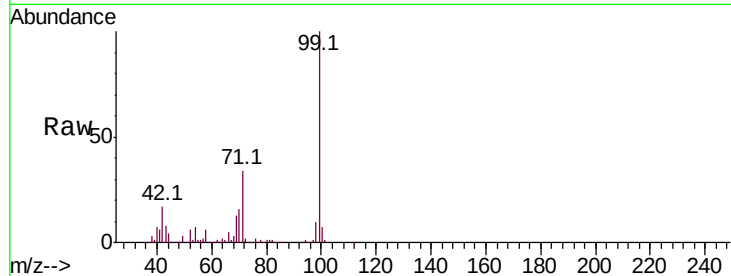
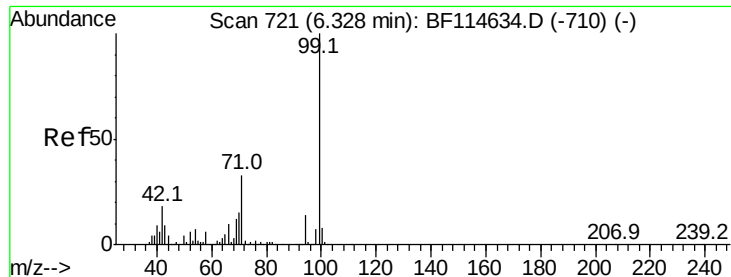
2-Fluorophenol
Concen: 98.432 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:112 Resp: 2324145
Ion Ratio Lower Upper
112 100
64 52.8 46.1 69.1
63 27.6 23.4 35.2



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: 101.405 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampled :

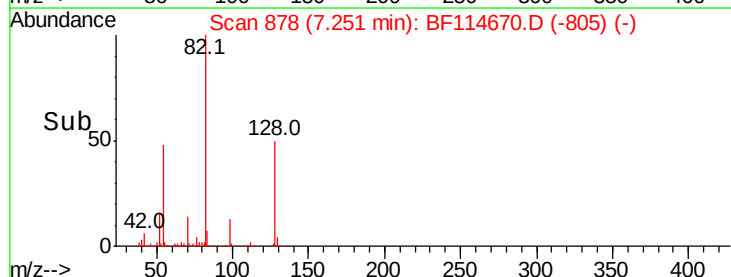
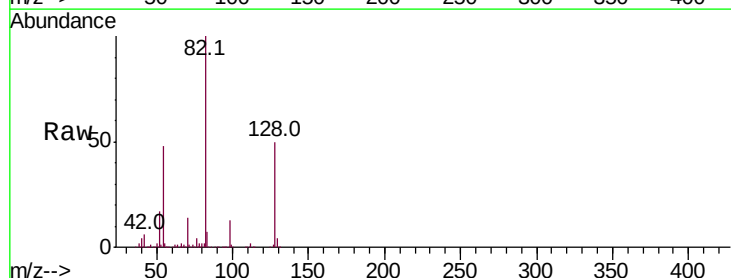
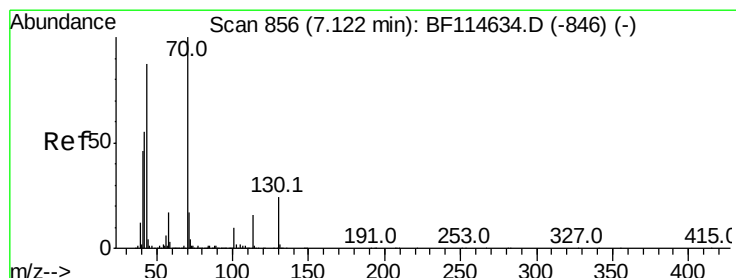
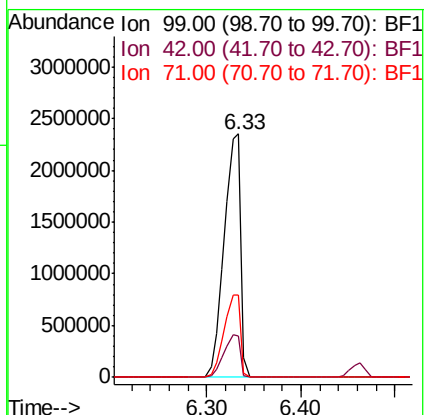
Tot Ion: 99 Resp: 2885277

Ion Ratio Lower Upper

99 100

42 16.8 14.7 22.1

71 33.8 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.360 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Tgt Ion: 70 Resp: 242750

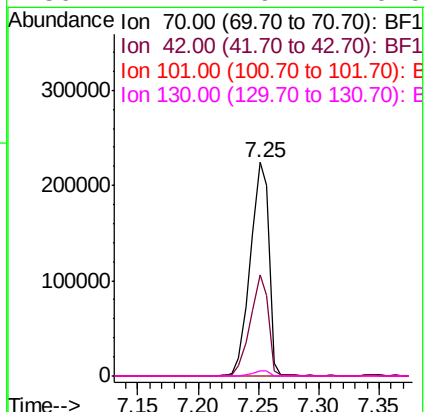
Ion Ratio Lower Upper

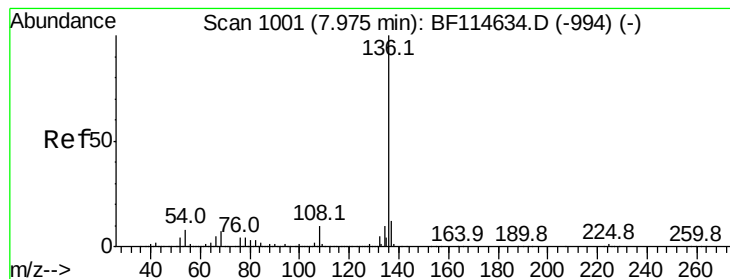
70 100

42 47.2 44.4 66.6

101 0.0 8.2 12.4#

130 2.4 19.4 29.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1582974

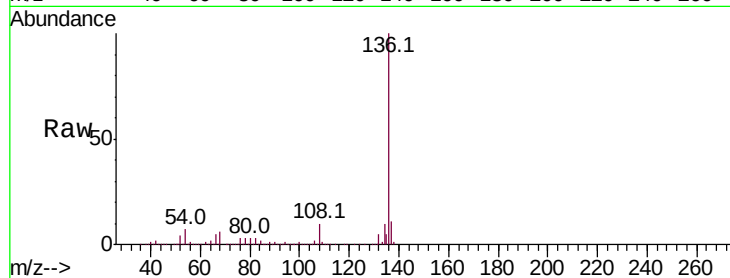
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 6.6 6.3 9.5

68 5.8 5.4 8.0

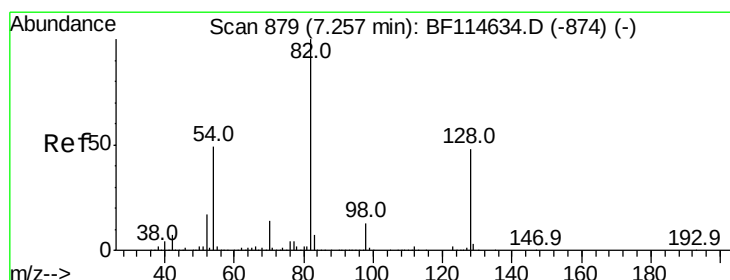
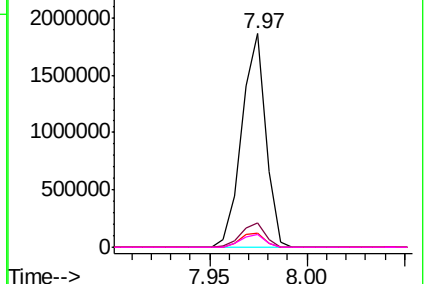
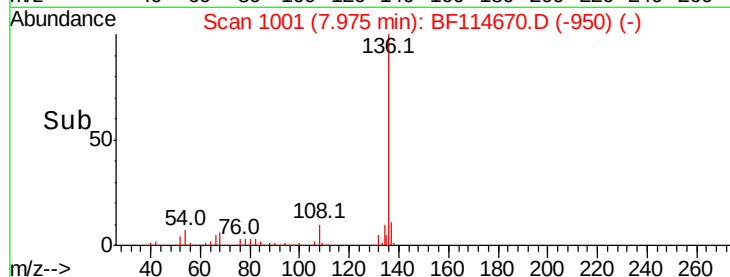


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.880 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

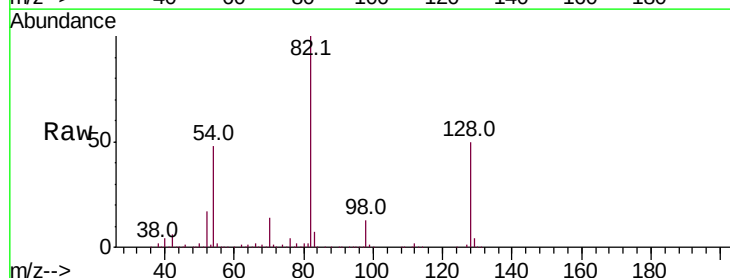
Tgt Ion: 82 Resp: 1773049

Ion Ratio Lower Upper

82 100

128 50.1 38.5 57.7

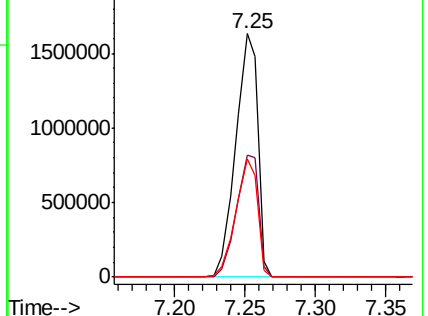
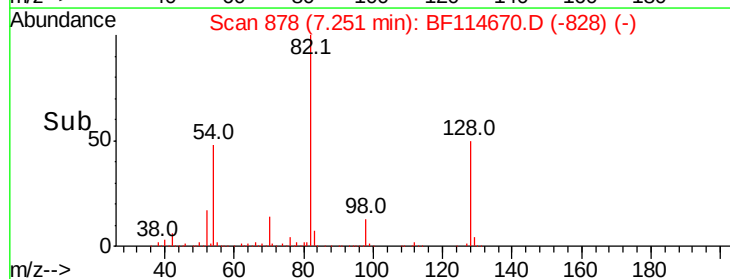
54 48.3 39.1 58.7

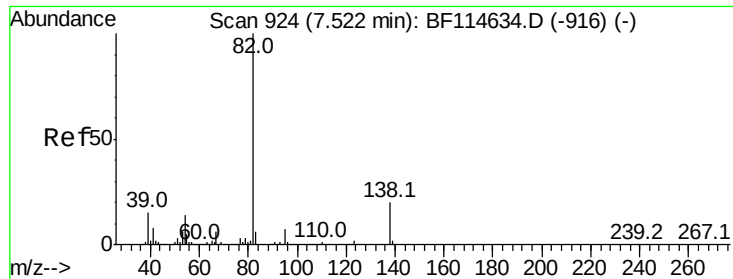


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.673 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.27 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampled :

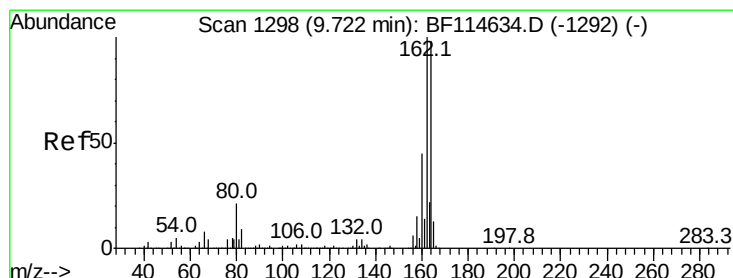
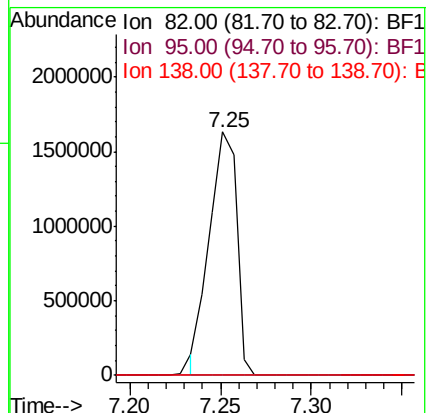
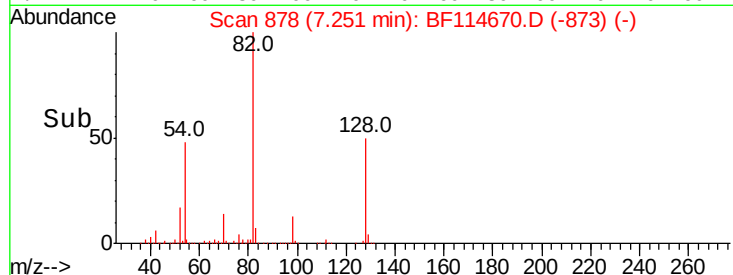
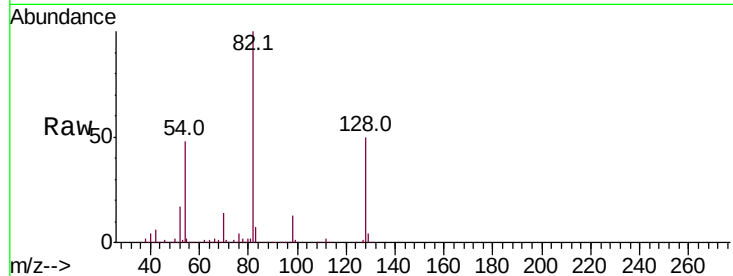
Tot Ion: 82 Resp: 1714603

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.9 23.9#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

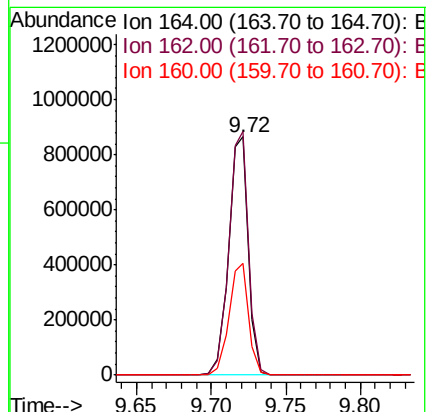
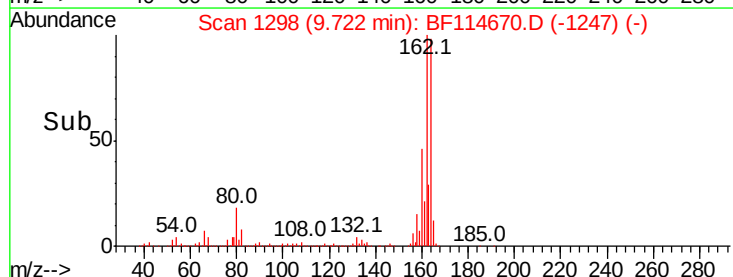
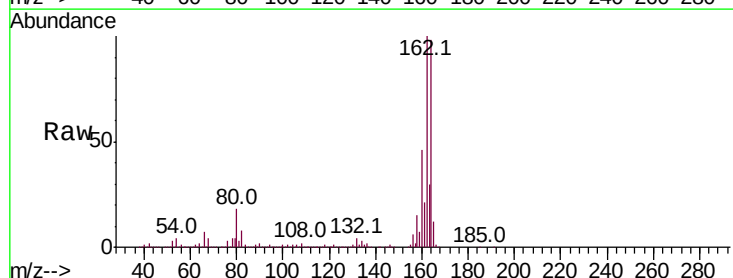
Tgt Ion: 164 Resp: 808140

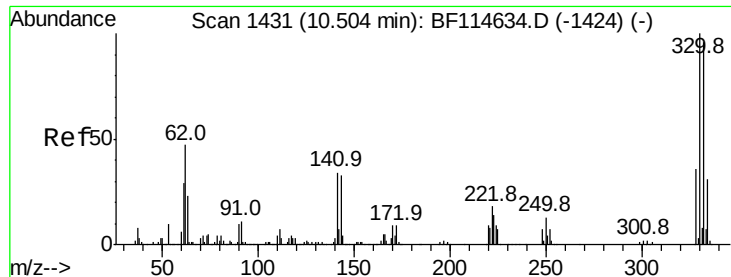
Ion Ratio Lower Upper

164 100

162 102.2 81.4 122.2

160 47.2 36.6 54.8

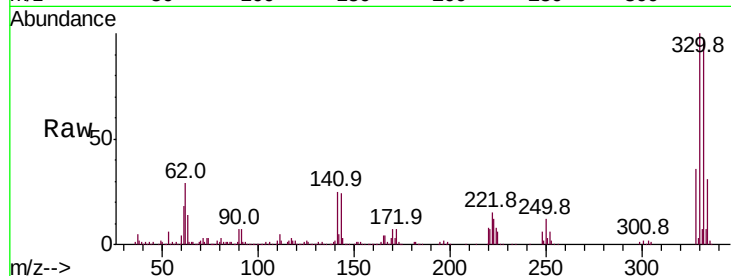




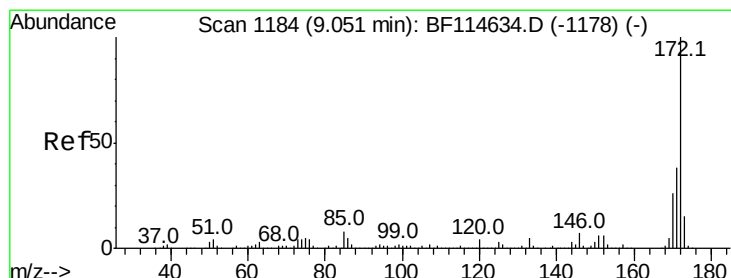
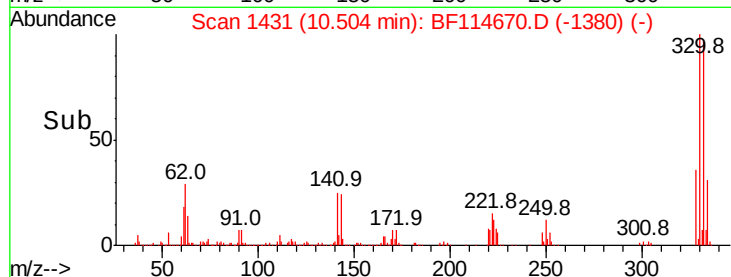
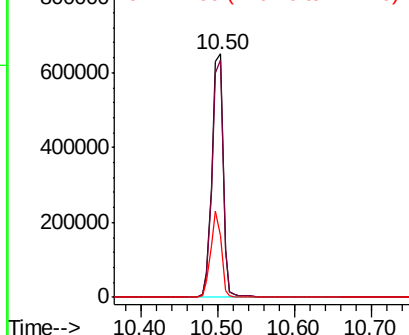
#42
 2,4,6-Tribromophenol
 Concen: 84.122 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.8	113.8
141	33.3	27.8	41.8

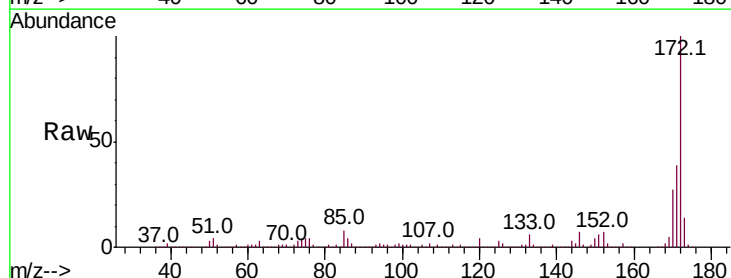


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

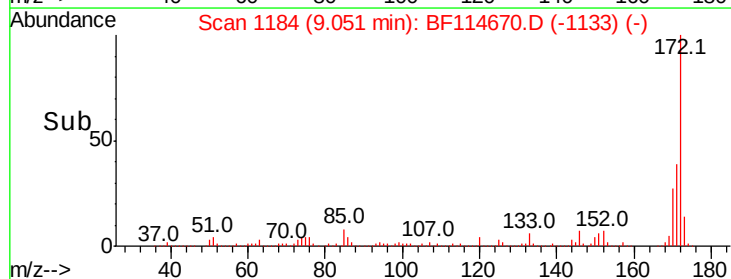
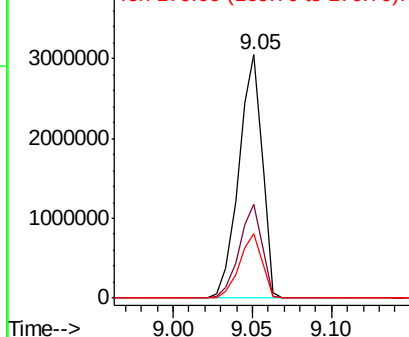


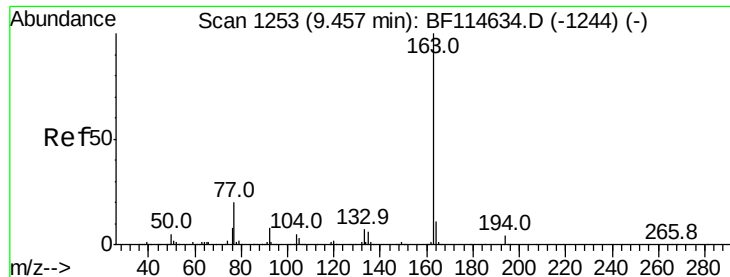
#45
 2-Fluorobiphenyl
 Concen: 68.999 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.6	45.8
170	26.5	20.7	31.1



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.348 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampleId :

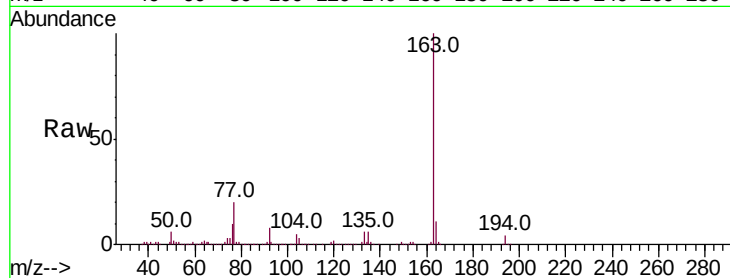
Tot Ion:163 Resp: 413762

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

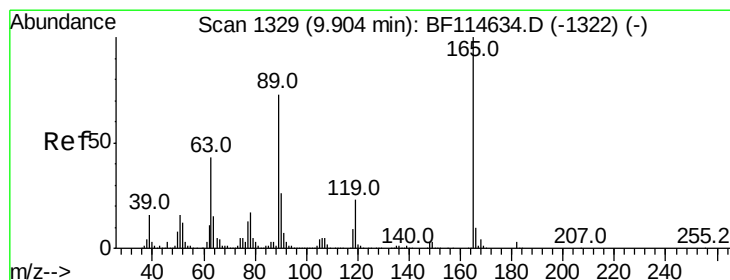
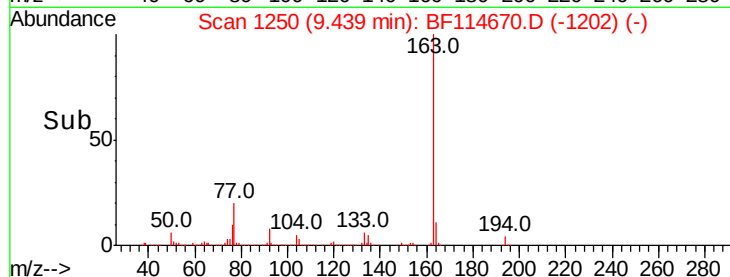
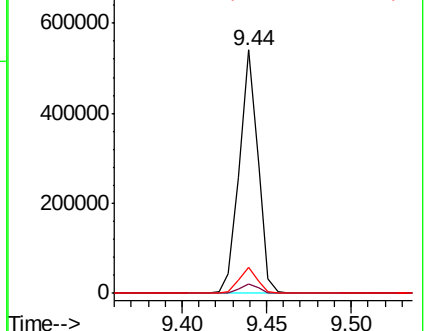
164 10.6 8.6 13.0



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: 6.294 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.19 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Tgt Ion:165 Resp: 105704

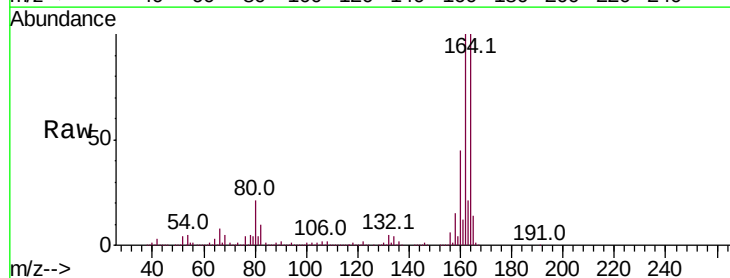
Ion Ratio Lower Upper

165 100

63 0.9 34.8 52.2#

89 1.2 58.5 87.7#

182 0.0 2.2 3.2#

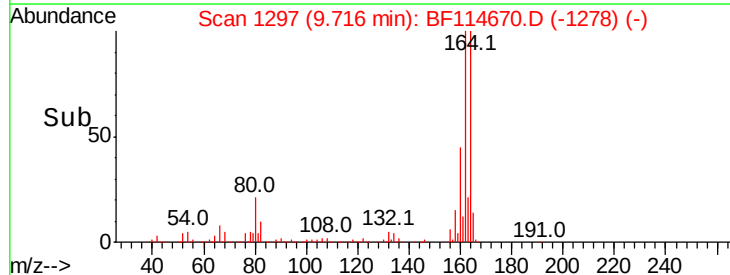
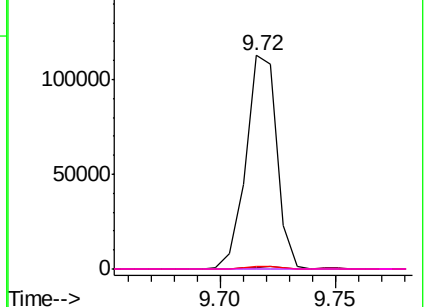


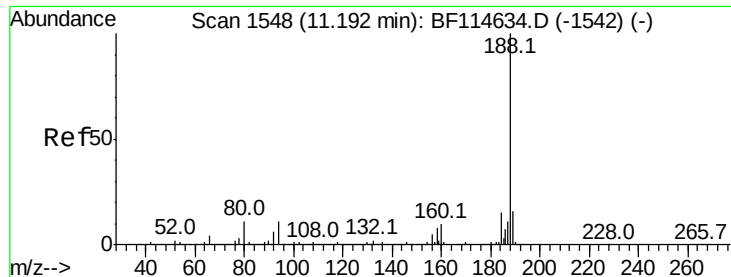
Abundance Ion 165.00 (164.70 to 165.70): E

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

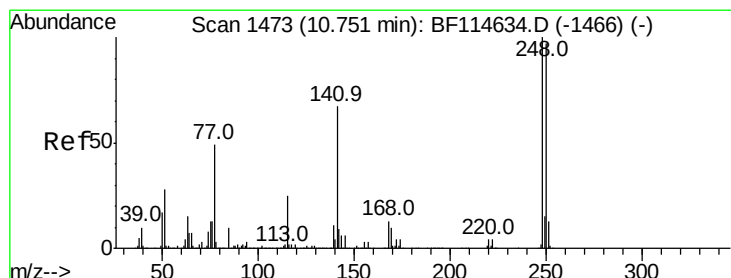
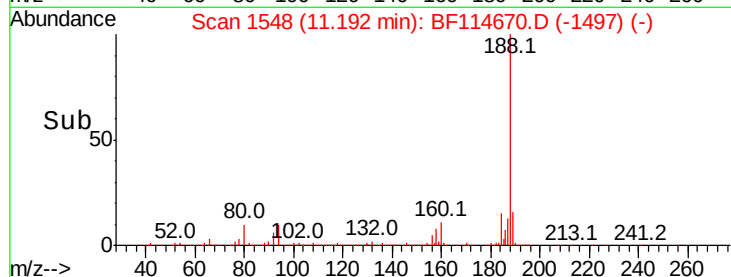
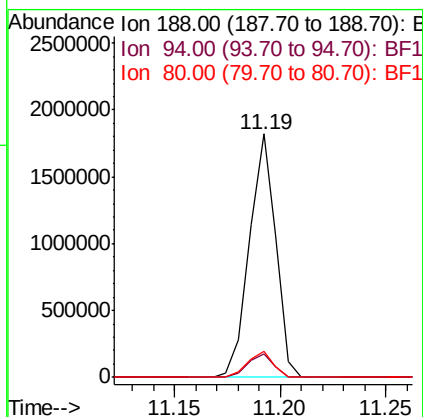
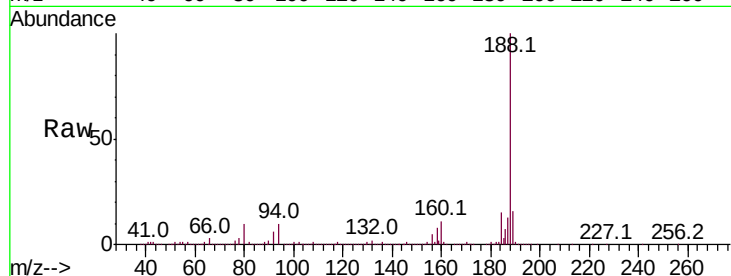




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

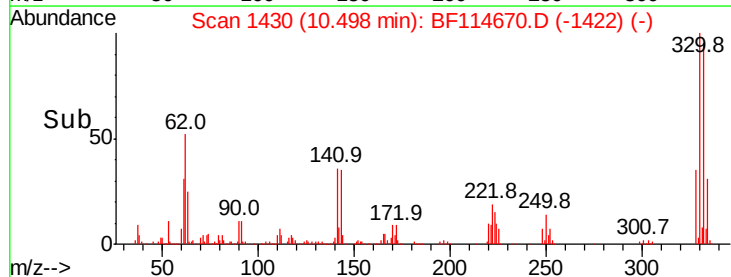
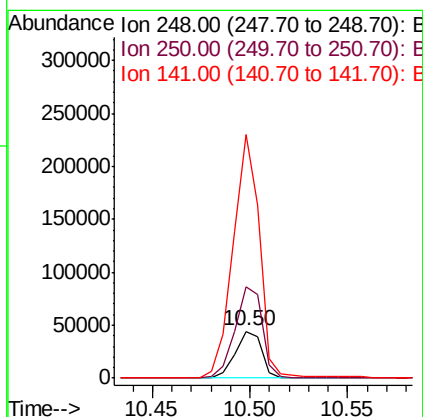
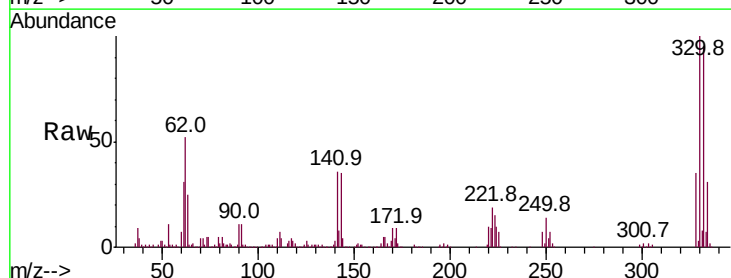
Instrument :
BNA_F
ClientSampled :

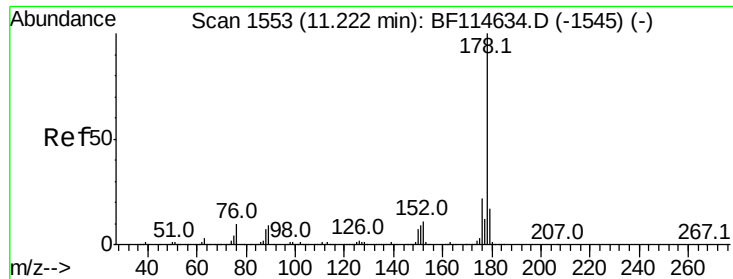
Tot Ion:188 Resp: 1576232
Ion Ratio Lower Upper
188 100
94 9.9 8.6 13.0
80 10.5 9.0 13.6



#67
4-Bromophenyl-phenylether
Concen: 2.492 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.25 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:248 Resp: 42121
Ion Ratio Lower Upper
248 100
250 196.3 78.0 117.0#
141 521.6 53.8 80.8#





#71

Phenanthrene

Concen: 3.294 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampleId :

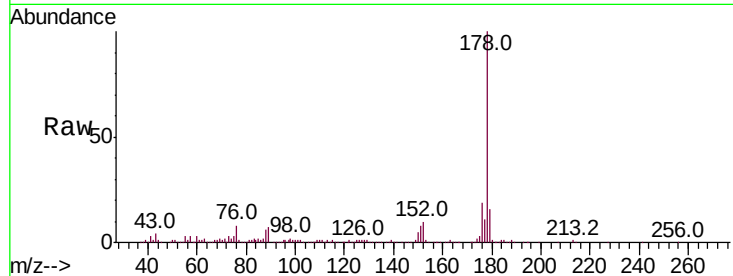
Tot Ion:178 Resp: 264889

Ion Ratio Lower Upper

178 100

176 19.0 17.2 25.8

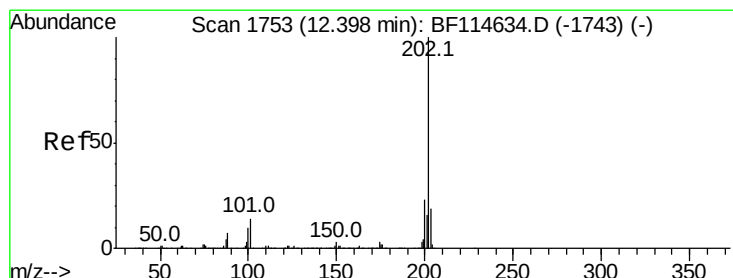
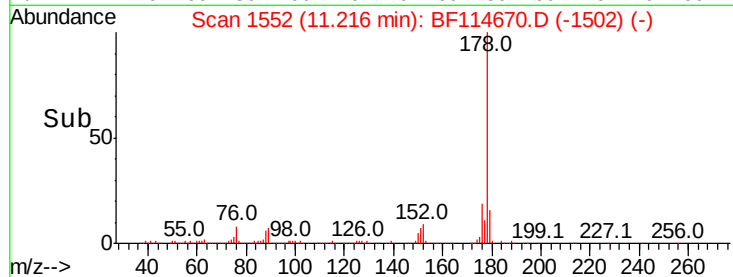
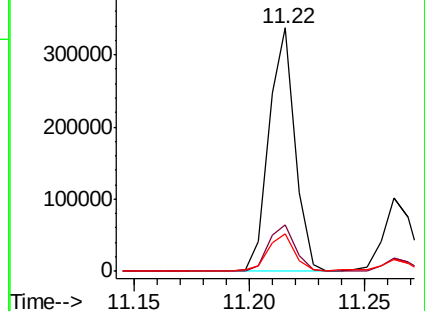
179 15.7 13.9 20.9



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: 16.119 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

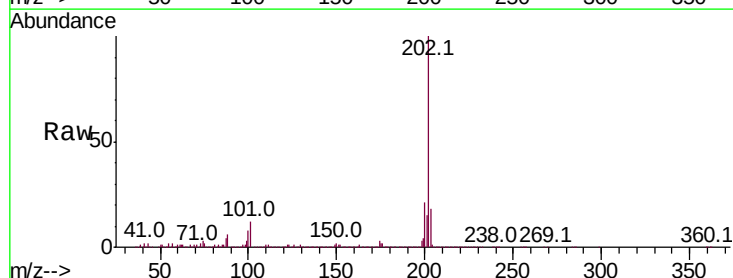
Tgt Ion:202 Resp: 1342036

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.9

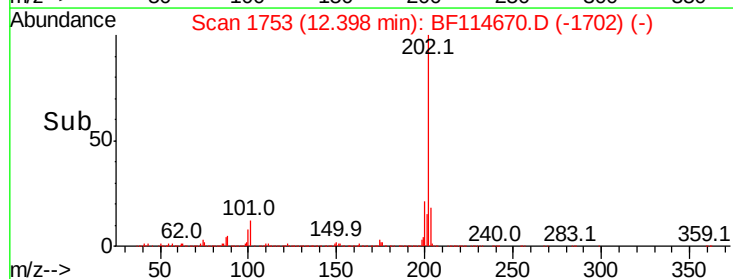
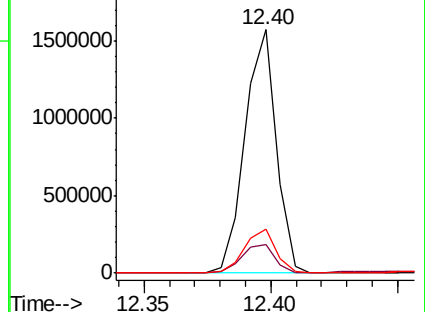
203 17.9 0.0 39.1

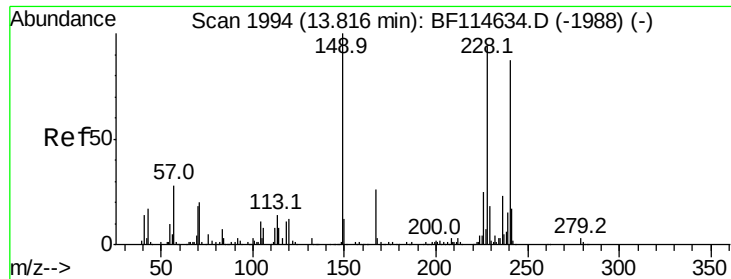


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

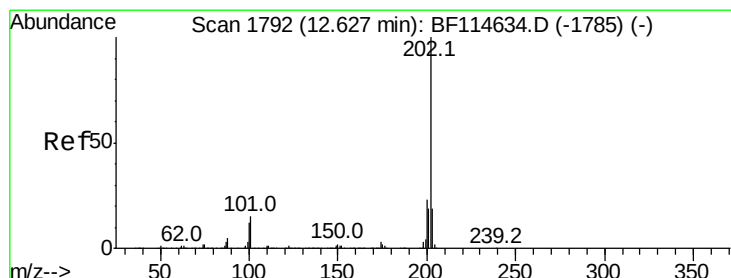
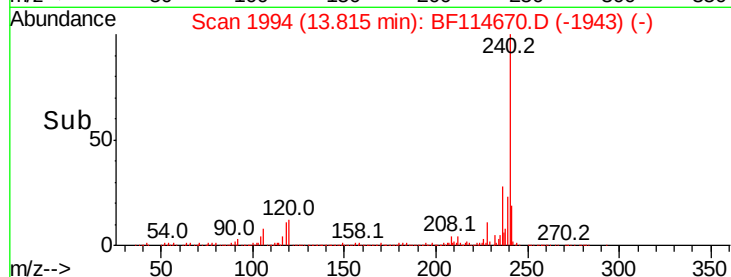
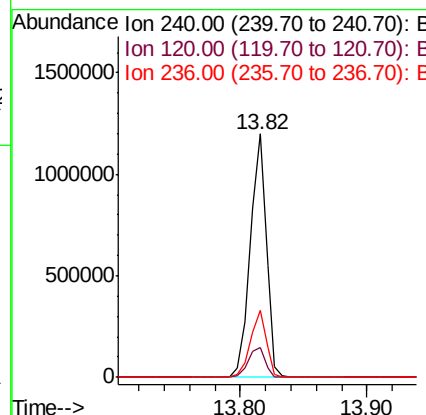
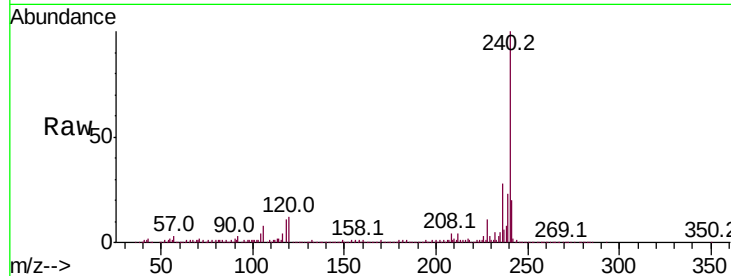




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

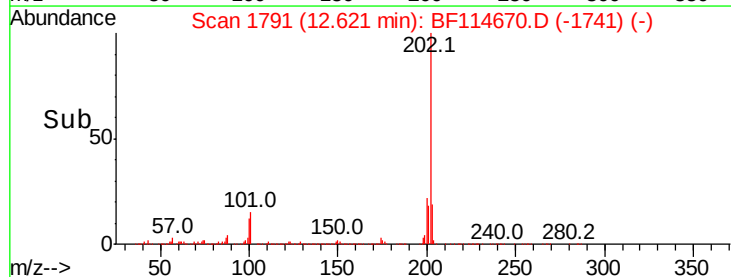
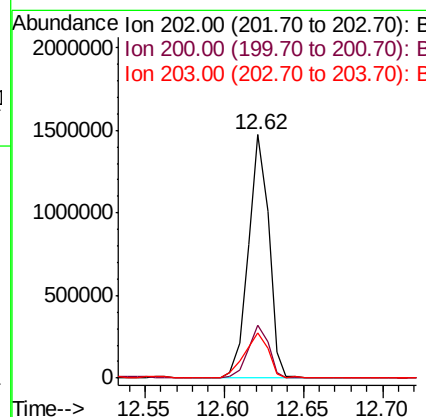
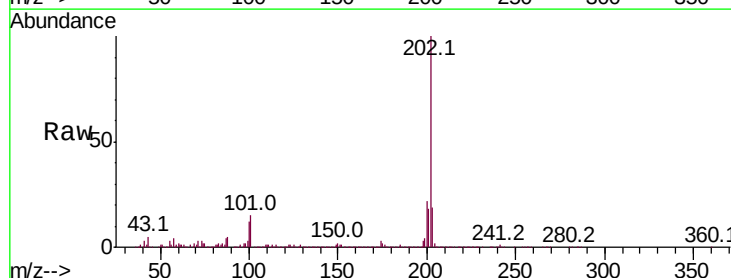
Instrument :
BNA_F
ClientSampleId :

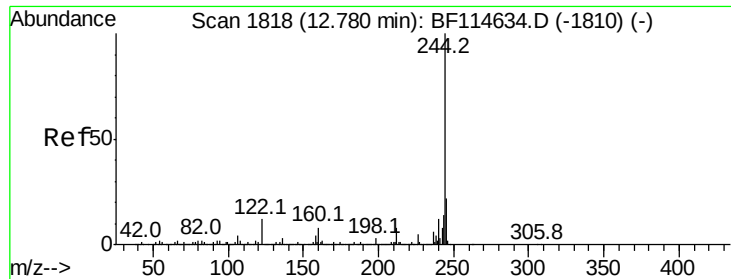
Tot Ion:240 Resp: 1045889
Ion Ratio Lower Upper
240 100
120 12.2 11.2 16.8
236 27.7 21.2 31.8



#78
Pyrene
Concen: 14.767 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:202 Resp: 1306473
Ion Ratio Lower Upper
202 100
200 22.0 18.6 28.0
203 18.7 15.4 23.2



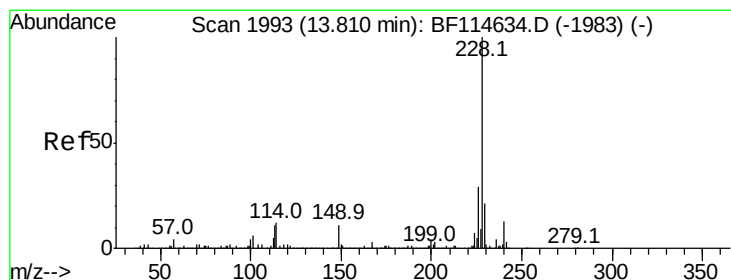
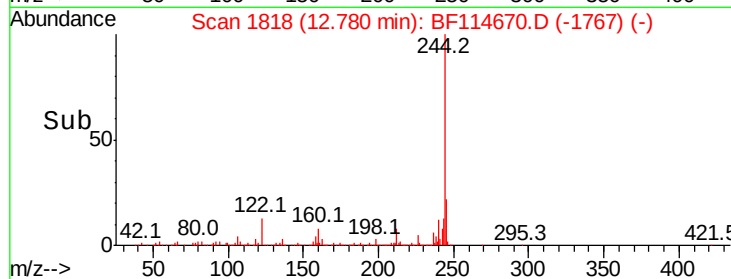
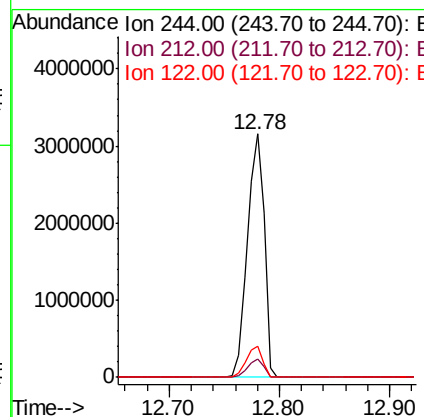
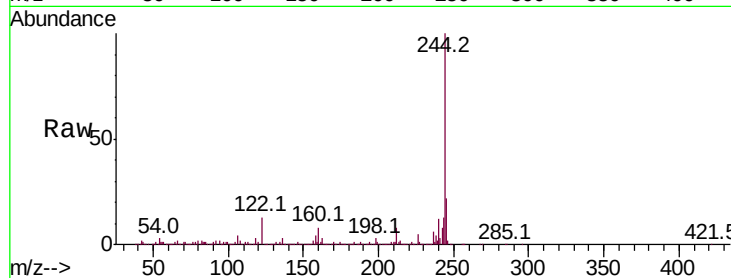


#79
 Terphenyl-d14
 Concen: 60.889 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 3387107

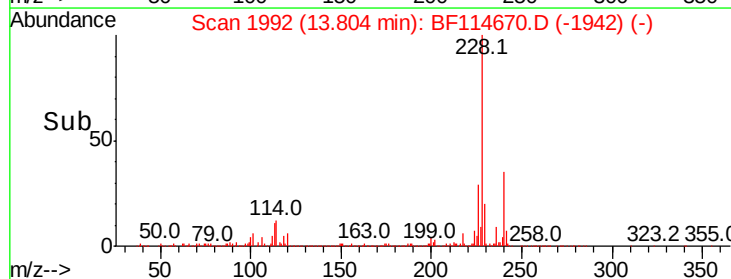
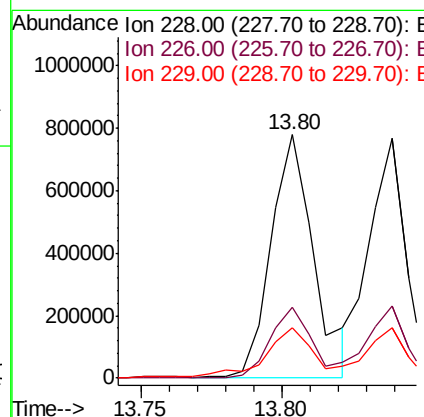
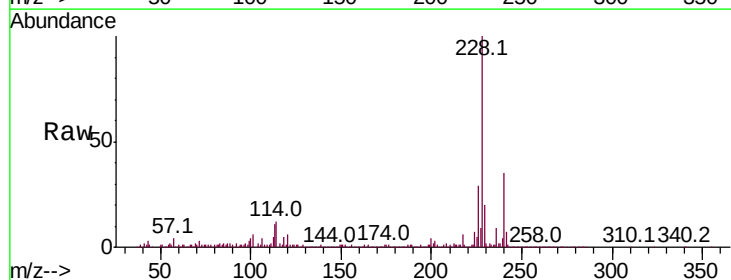
Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.1	9.1
122	12.9	9.8	14.8

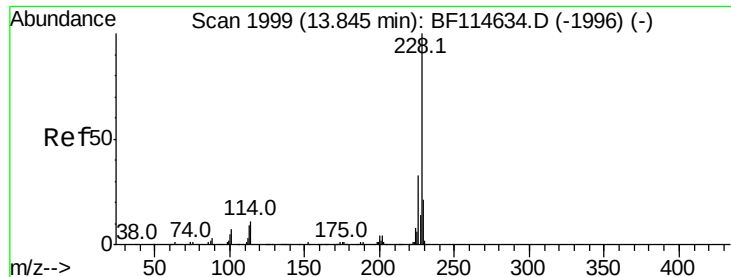


#81
 Benzo(a)anthracene
 Concen: 10.111 ng
 RT: 13.80 min Scan# 1992
 Delta R.T. -0.01 min
 Lab File: BF114670.D
 Acq: 30 May 2019 19:56

Tgt Ion:228 Resp: 812661

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.0	34.6
229	20.4	17.0	25.4





#83

Chrysene

Concen: 8.889 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampled :

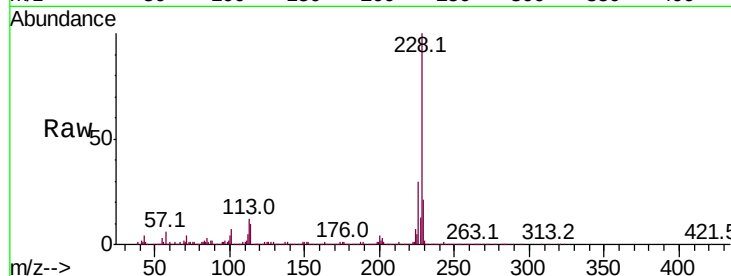
Tot Ion:228 Resp: 682549

Ion Ratio Lower Upper

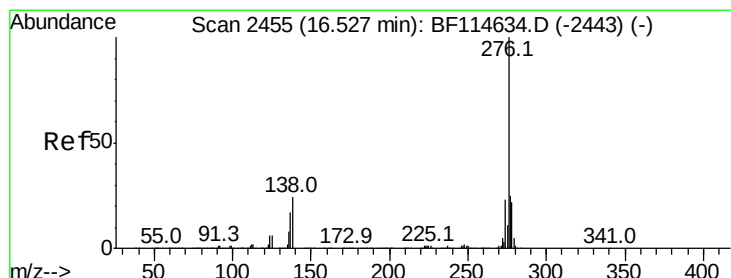
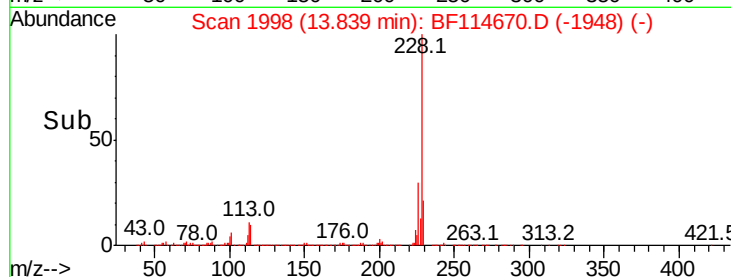
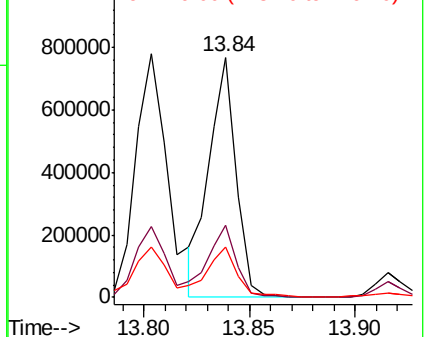
228 100

226 30.1 26.4 39.6

229 21.1 17.1 25.7



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: 7.880 ng

RT: 16.52 min Scan# 2453

Delta R.T. -0.01 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

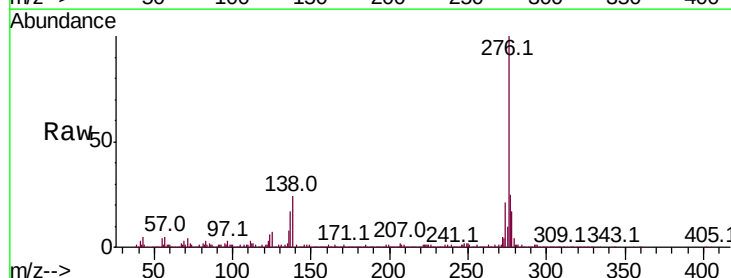
Tgt Ion:276 Resp: 606028

Ion Ratio Lower Upper

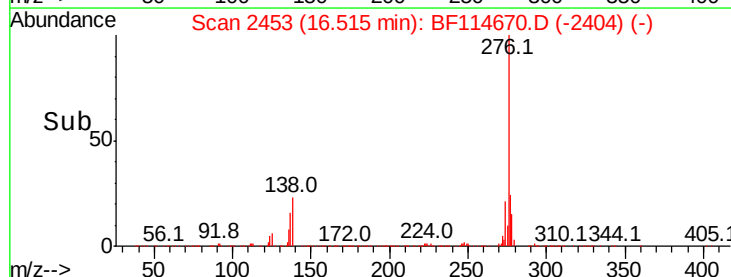
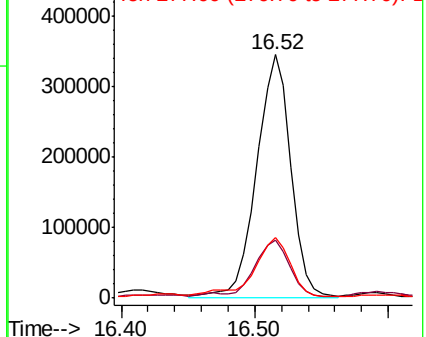
276 100

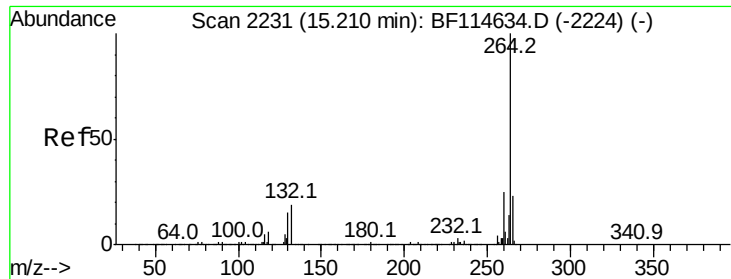
138 24.1 23.0 34.6

277 26.8 20.5 30.7



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

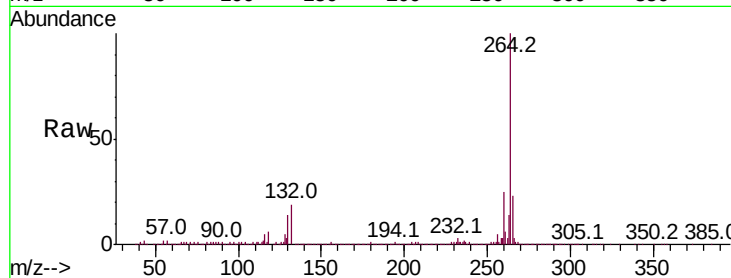




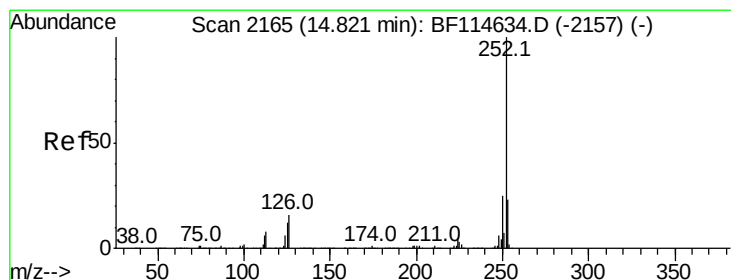
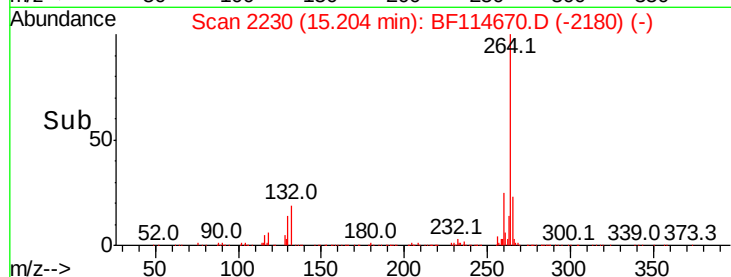
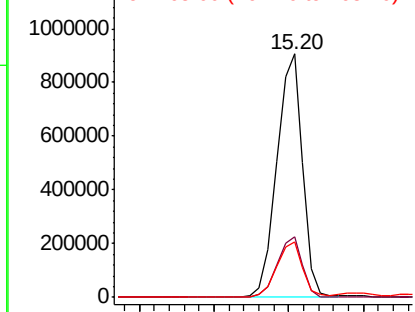
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1088872
Ion Ratio Lower Upper
264 100
260 25.1 19.7 29.5
265 22.7 18.1 27.1

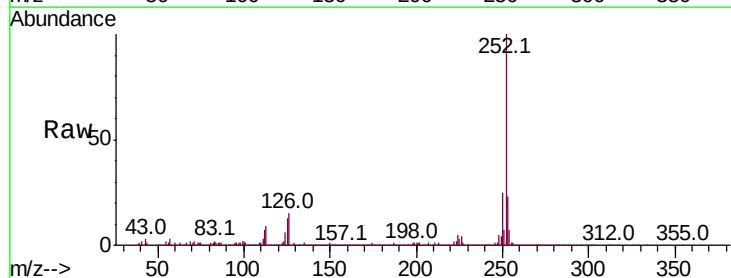


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

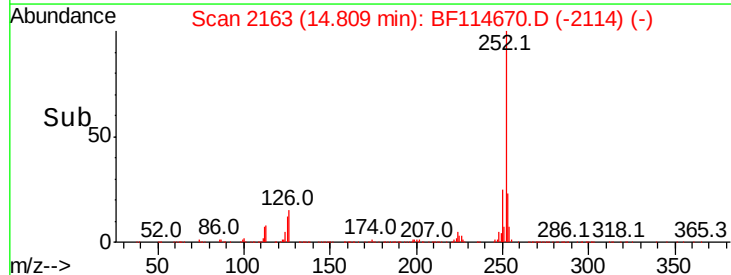
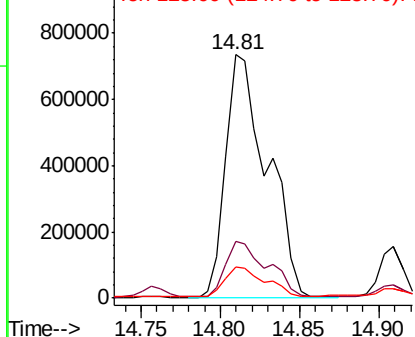


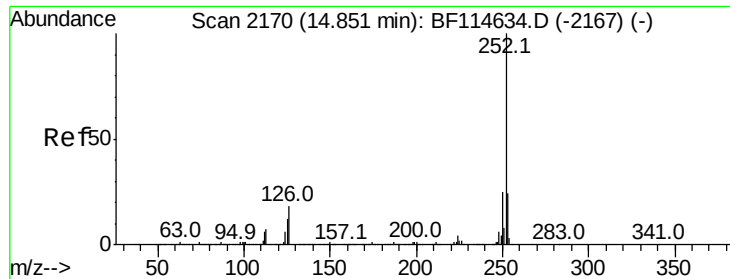
#88
Benzo(b)fluoranthene
Concen: 19.574 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:252 Resp: 1342427
Ion Ratio Lower Upper
252 100
253 23.2 18.7 28.1
125 12.7 9.4 14.2



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

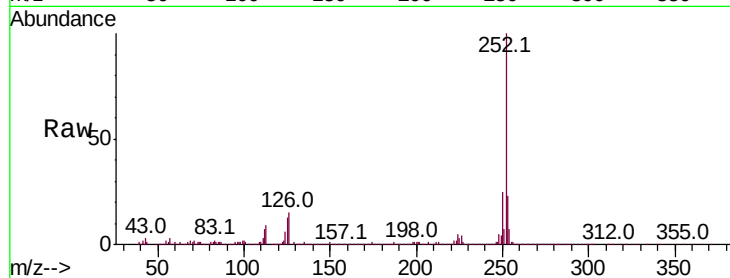




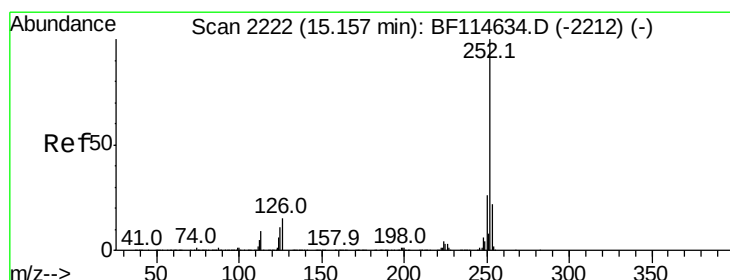
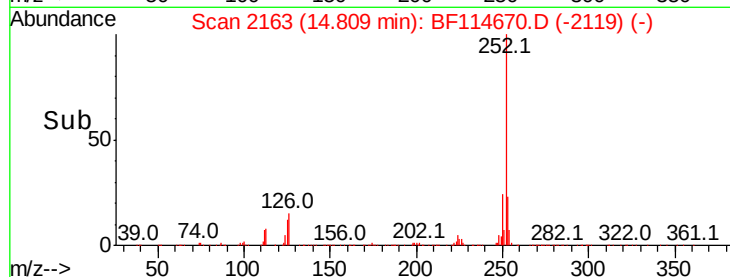
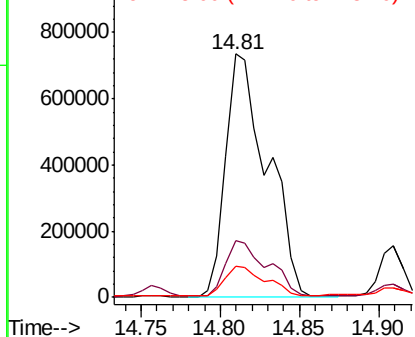
#89
Benzo(k)fluoranthene
Concen: 22.520 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1342427
Ion Ratio Lower Upper
252 100
253 23.2 18.9 28.3
125 12.7 9.5 14.3

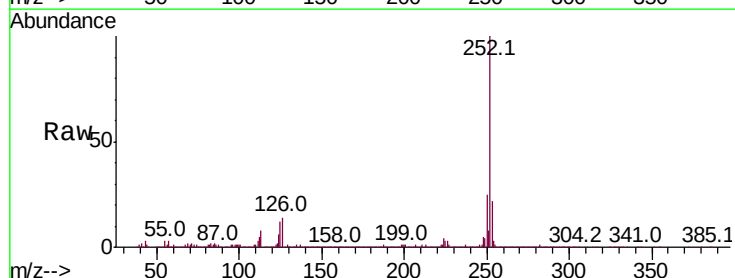


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

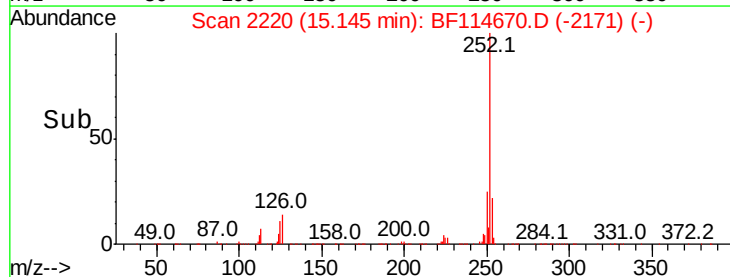
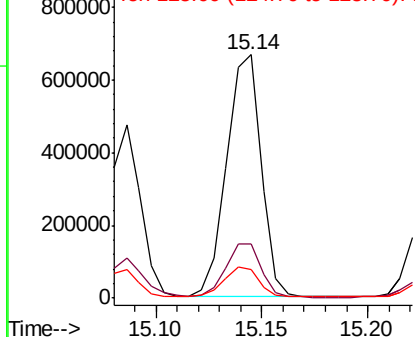


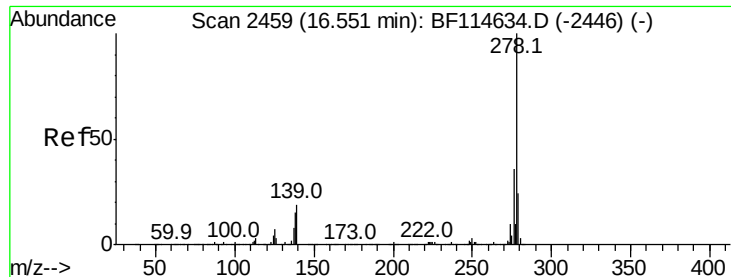
#90
Benzo(a)pyrene
Concen: 12.486 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114670.D
Acq: 30 May 2019 19:56

Tgt Ion:252 Resp: 752265
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 11.8 9.2 13.8



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





#91

Dibenzo(a,h)anthracene

Concen: 2.759 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

Instrument :

BNA_F

ClientSampled :

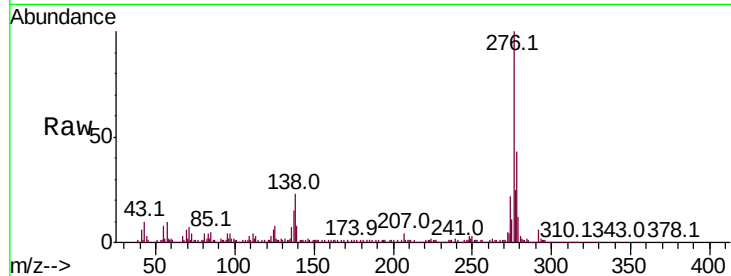
Tot Ion:278 Resp: 146887

Ion Ratio Lower Upper

278 100

139 18.1 14.9 22.3

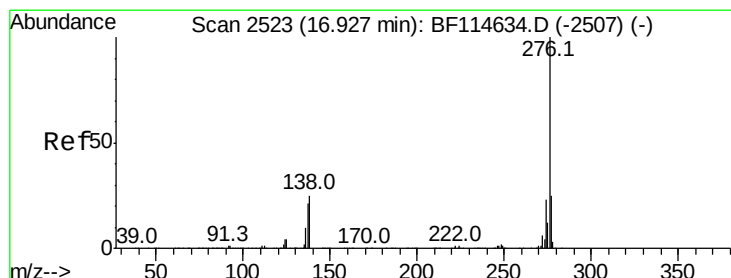
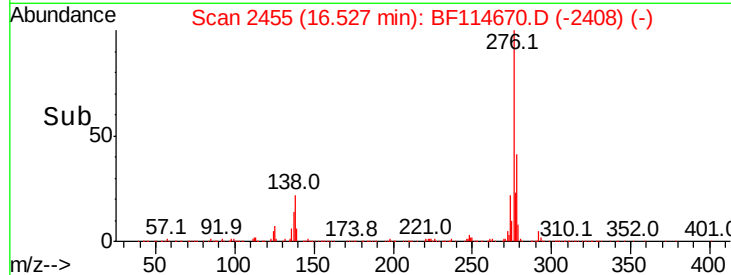
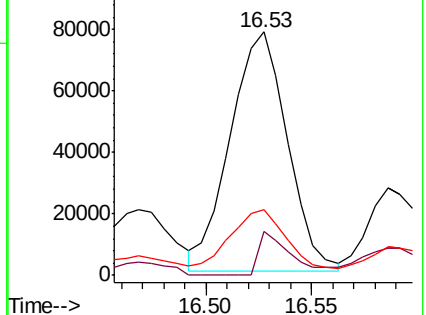
279 27.2 19.5 29.3



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: 11.147 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.02 min

Lab File: BF114670.D

Acq: 30 May 2019 19:56

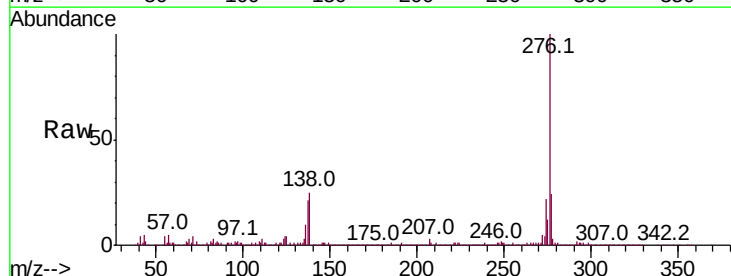
Tgt Ion:276 Resp: 575991

Ion Ratio Lower Upper

276 100

277 23.9 19.7 29.5

138 25.3 19.8 29.8



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

