

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114678.D
 Acq On : 30 May 2019 23:27
 Operator : HP/JU
 Sample : K3068-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:47:43 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	6.70	152	365321	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1324078	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	593892	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1002839	20.00	ng	0.00
76) Chrysene-d12	13.82	240	737035	20.00	ng	0.00
87) Perylene-d12	15.21	264	580197	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	2093358	100.61	ng	0.01
7) Phenol-d6	6.33	99	2567048	102.38	ng	0.00
23) Nitrobenzene-d5	7.26	82	1546292	72.86	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	525529	92.87	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2682184	84.80	ng	0.00
79) Terphenyl-d14	12.78	244	2497573	63.71	ng	0.00

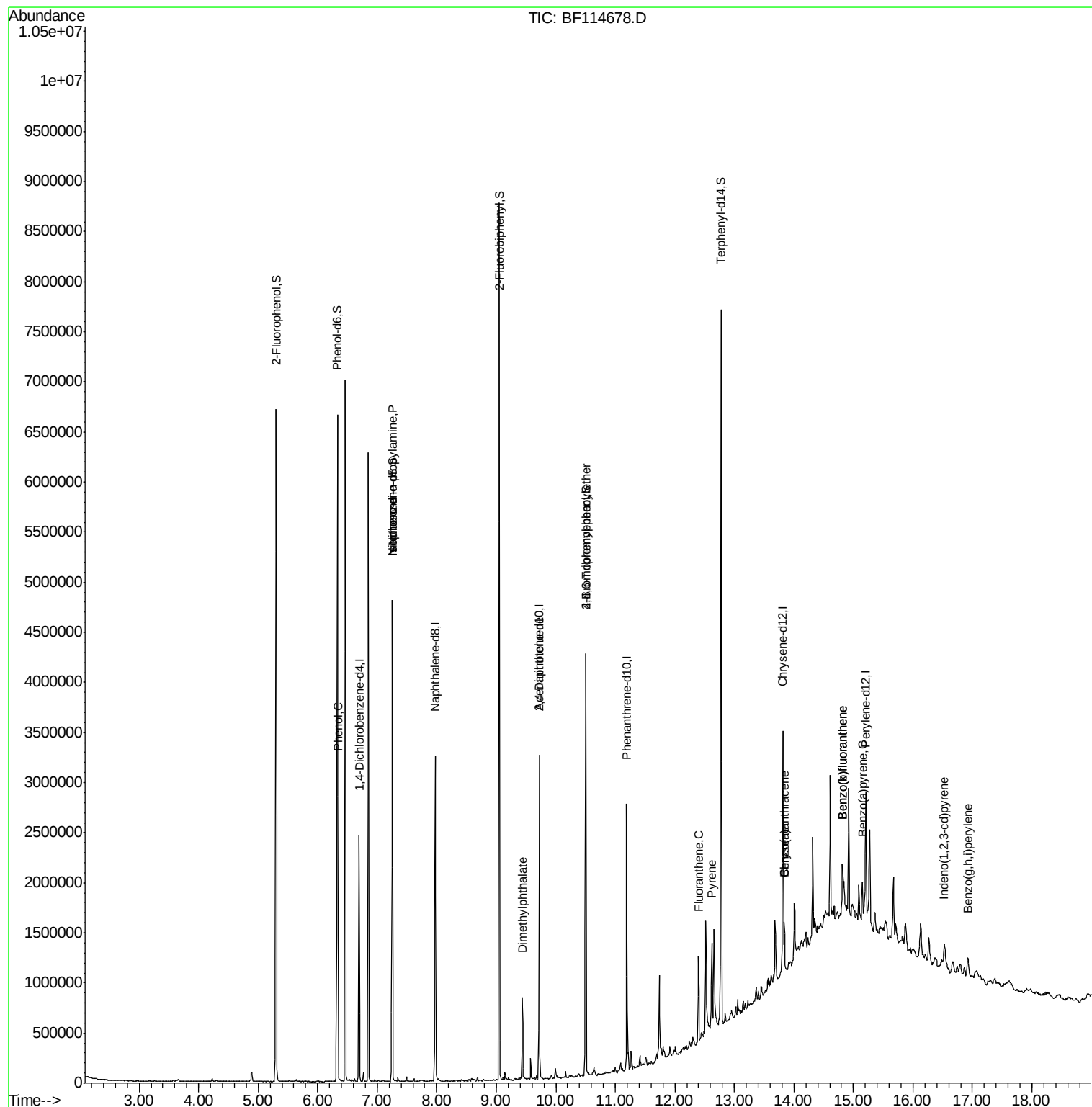
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.23	77	2073	Below Cal	#	67
10) Phenol	6.35	94	77865	2.571 ng		83
19) n-Nitroso-di-n-propylamine	7.26	70	210966	12.189 ng	#	75
25) Isophorone	7.26	82	1530134	35.926 ng	#	63
50) Dimethylphthalate	9.44	163	297644	7.192 ng		98
57) 2,4-Dinitrotoluene	9.72	165	78699	6.377 ng	#	24
58) Fluorene	10.26	166	5803	Below Cal	#	91
61) 4-Chlorophenyl-phenylether	10.09	204	118	Below Cal	#	27
67) 4-Bromophenyl-phenylether	10.50	248	33747	3.138 ng	#	1
69) Atrazine	11.06	200	111	Below Cal	#	1
74) Di-n-butylphthalate	11.77	149	2698	Below Cal	#	21
75) Fluoranthene	12.40	202	326054	6.155 ng		96
78) Pvrene	12.62	202	357538	5.735 ng		97
81) Benzo(a)anthracene	13.84	228	210758	3.721 ng		97
83) Chrysene	13.84	228	210758	3.895 ng		94
86) Indeno(1,2,3-cd)pyrene	16.53	276	126220	2.329 ng		94
88) Benzo(b)fluoranthene	14.82	252	357530	9.784 ng	#	96
89) Benzo(k)fluoranthene	14.82	252	357530	11.256 ng	#	96
90) Benzo(a)pvrene	15.15	252	185590	5.781 ng	#	95
92) Benzo(a,h,i)perylene	16.92	276	148227	5.384 ng		95

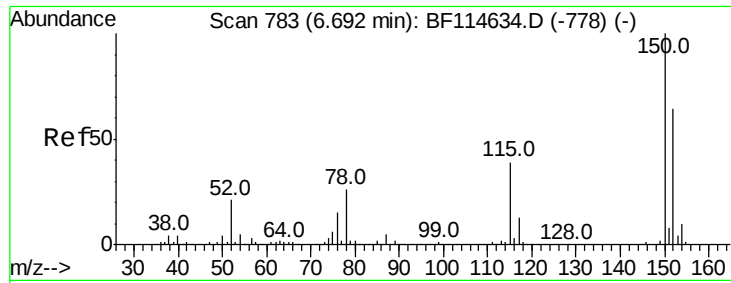
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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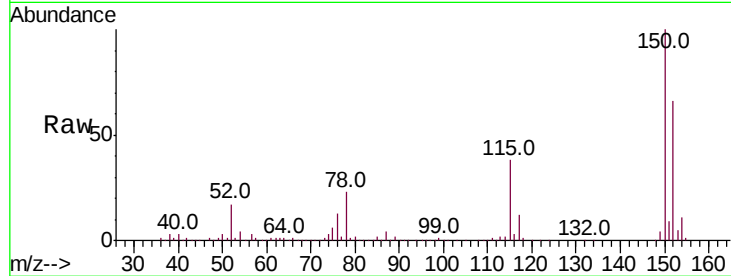


#1

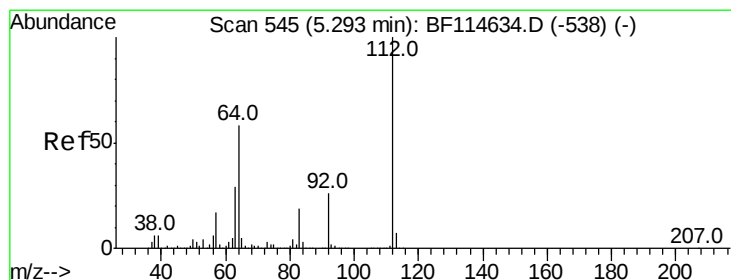
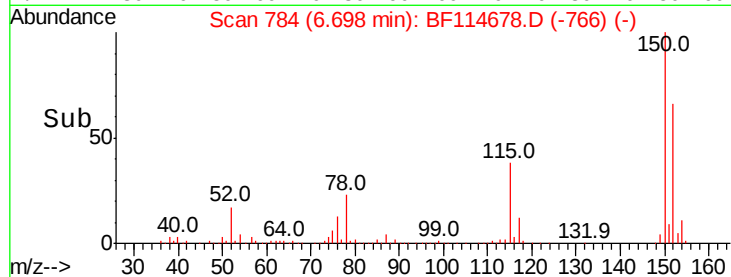
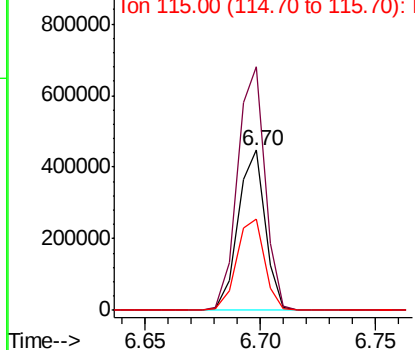
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.01 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 365321
 Ion Ratio Lower Upper
 152 100
 150 151.8 124.4 186.6
 115 57.1 48.7 73.1



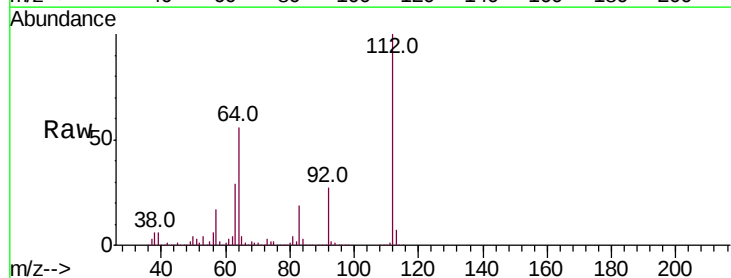
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



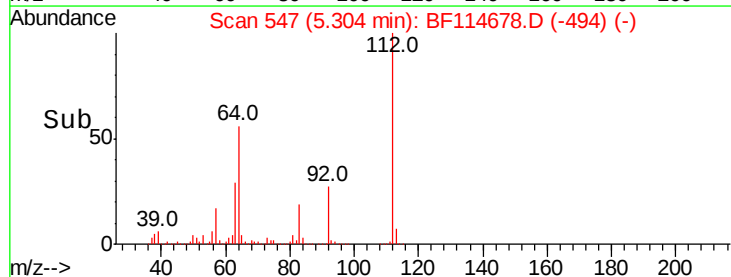
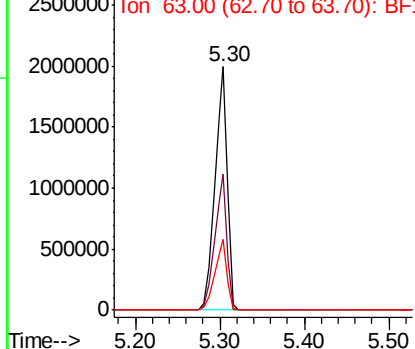
#5

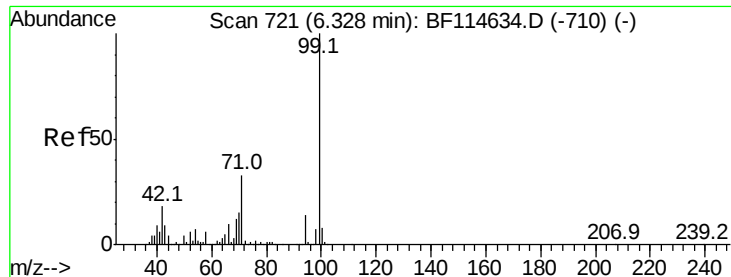
2-Fluorophenol
 Concen: 100.605 ng
 RT: 5.30 min Scan# 547
 Delta R.T. 0.01 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

Tgt Ion:112 Resp: 2093358
 Ion Ratio Lower Upper
 112 100
 64 55.9 46.1 69.1
 63 28.9 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: 102.379 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

Instrument :

BNA_F

ClientSampleId :

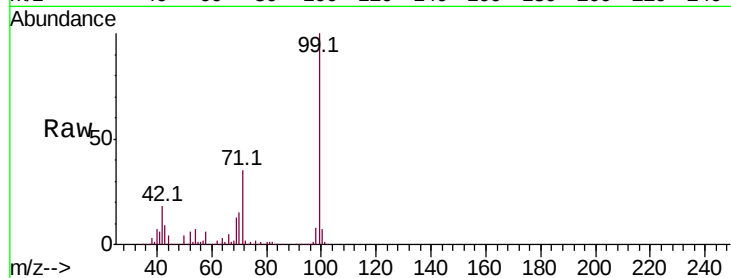
Tot Ion: 99 Resp: 2567048

Ion Ratio Lower Upper

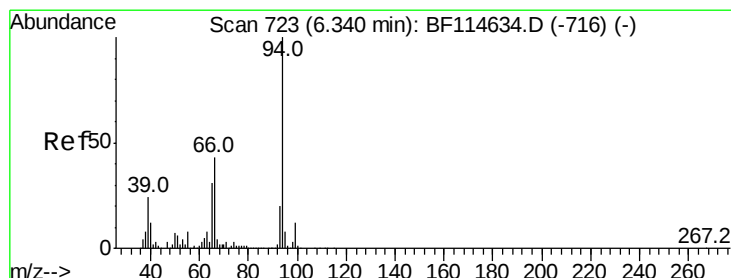
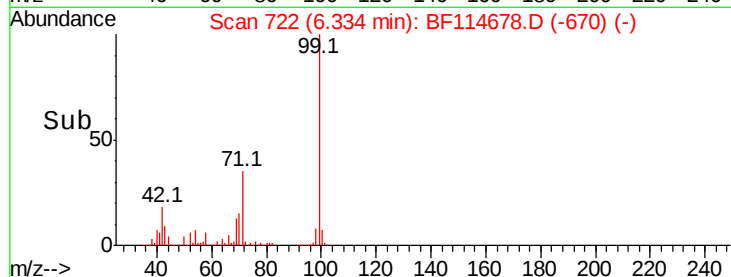
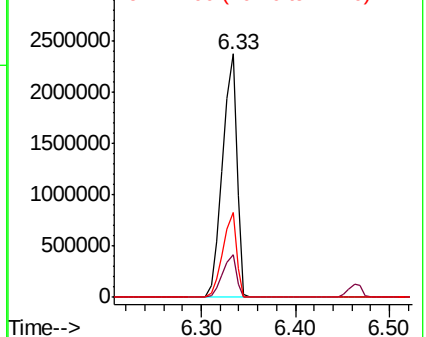
99 100

42 17.7 14.7 22.1

71 34.8 26.6 40.0



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



#10

Phenol

Concen: 2.571 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

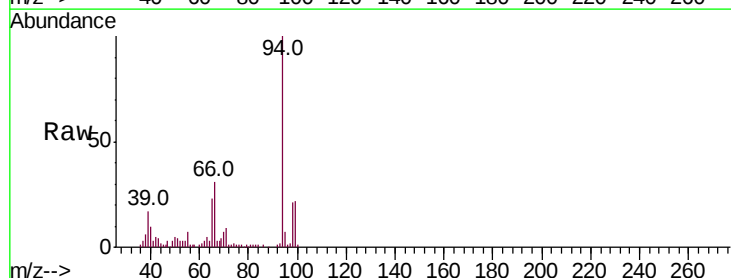
Tgt Ion: 94 Resp: 77865

Ion Ratio Lower Upper

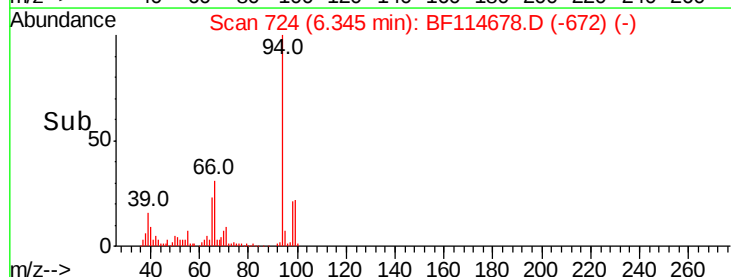
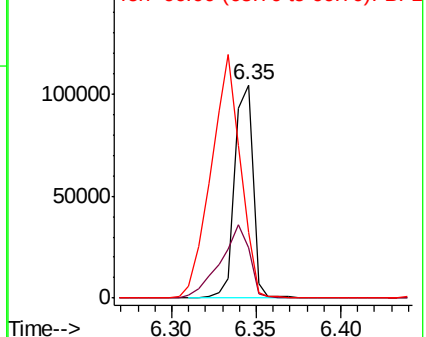
94 100

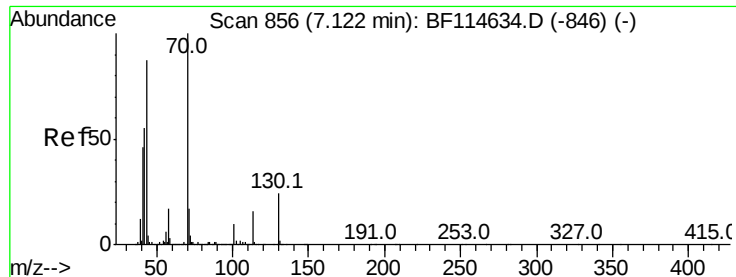
65 23.4 11.0 51.0

66 30.7 23.0 63.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.189 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 210966

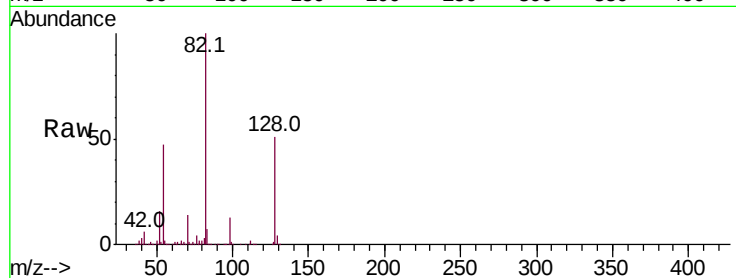
Ion Ratio Lower Upper

70 100

42 43.6 44.4 66.6#

101 0.0 8.2 12.4#

130 2.1 19.4 29.0#

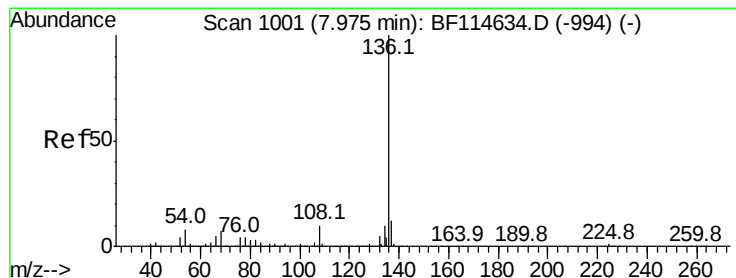
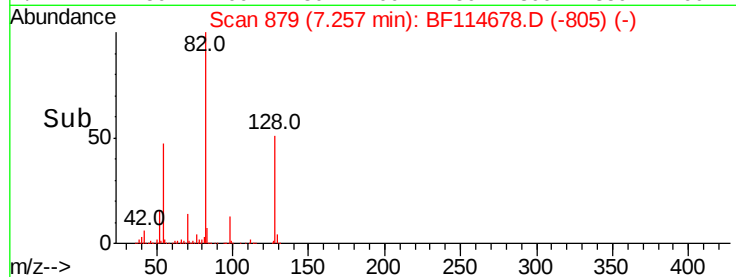
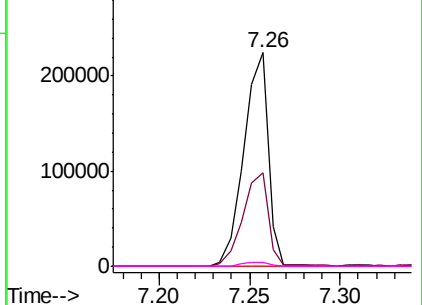


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

Tgt Ion: 136 Resp: 1324078

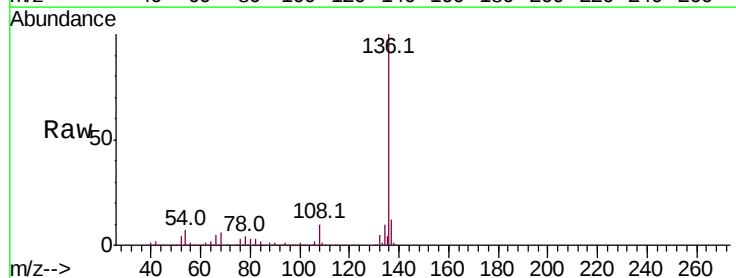
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 7.0 6.3 9.5

68 5.9 5.4 8.0

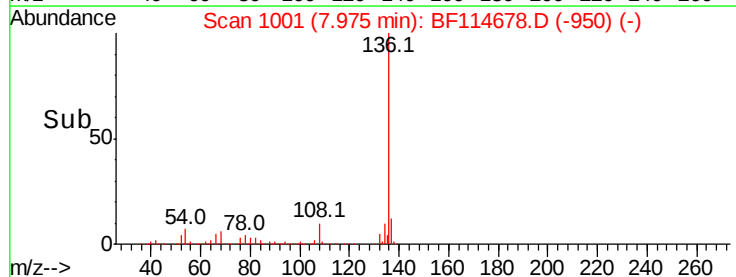
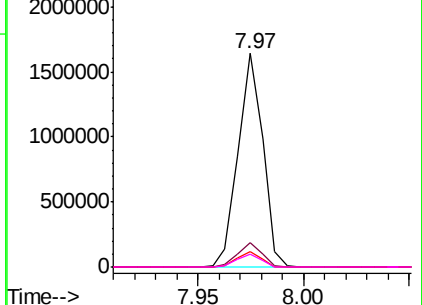


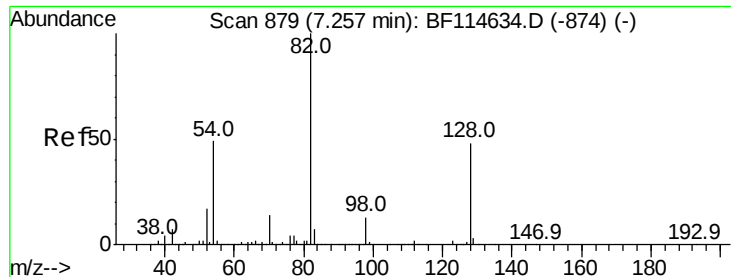
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

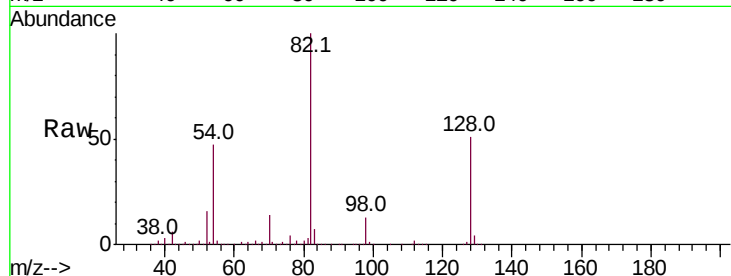




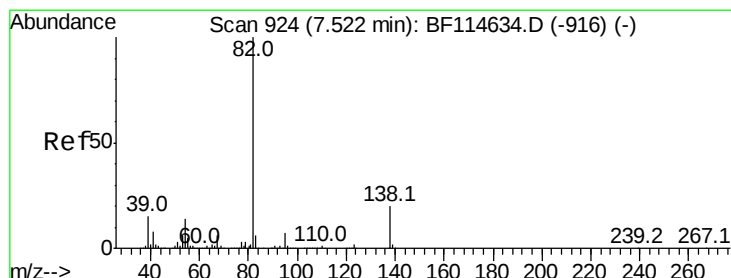
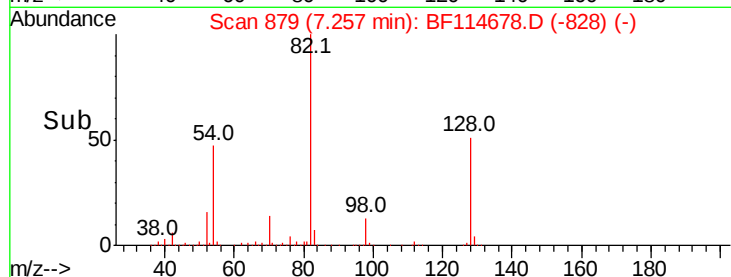
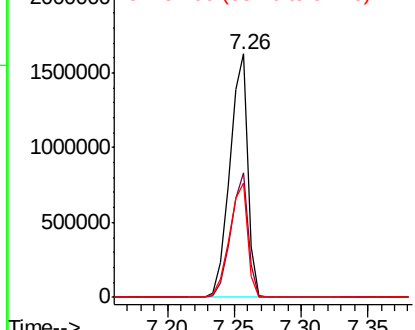
#23
Nitrobenzene-d5
Concen: 72.860 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.00 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1546292
Ion Ratio Lower Upper
82 100
128 51.4 38.5 57.7
54 47.2 39.1 58.7

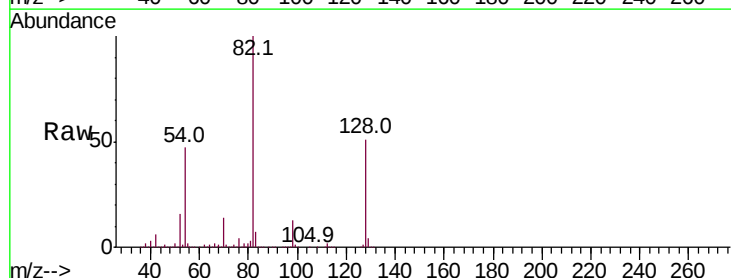


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

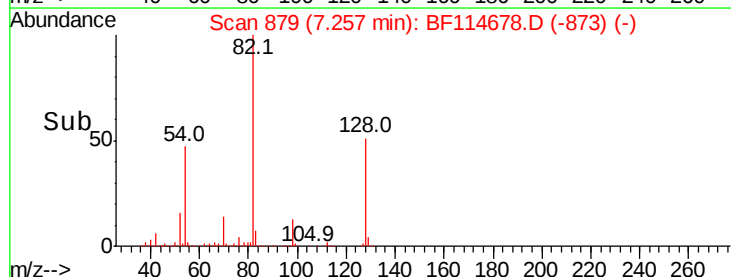
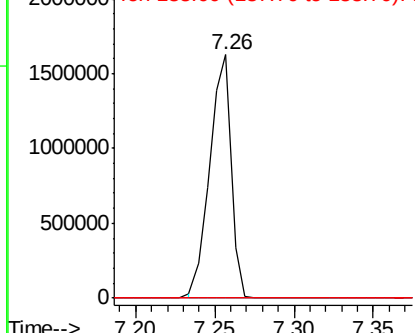


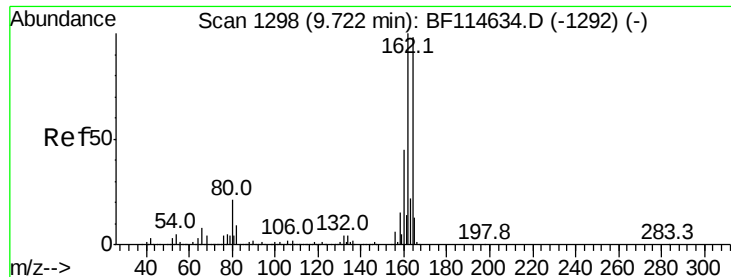
#25
Isophorone
Concen: 35.926 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Tgt Ion: 82 Resp: 1530134
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.9 23.9#



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

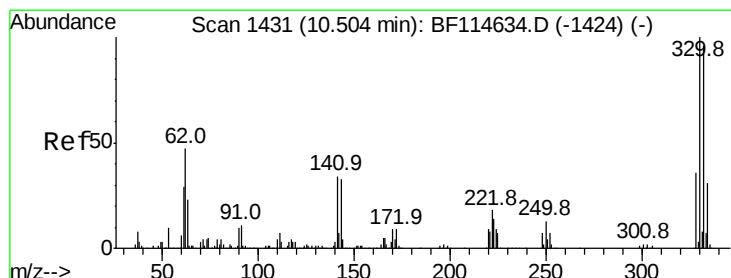
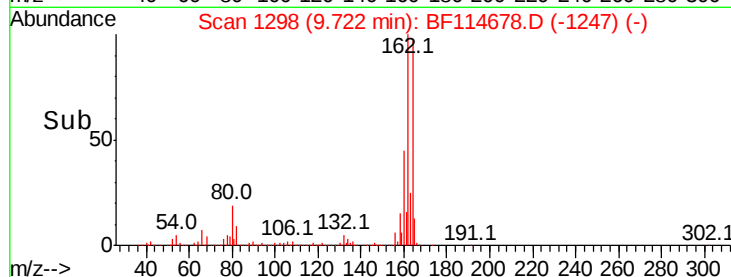
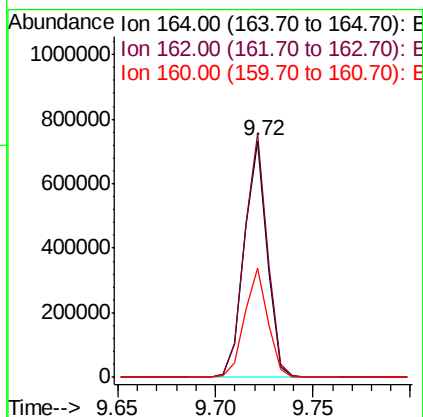
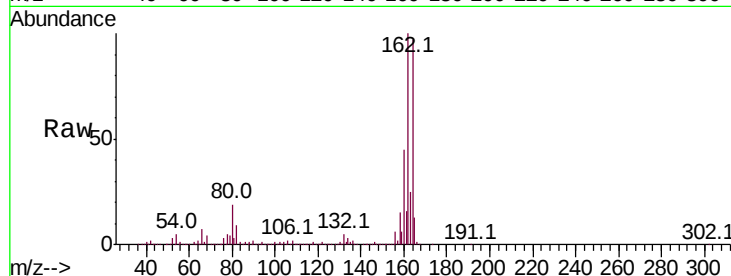




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

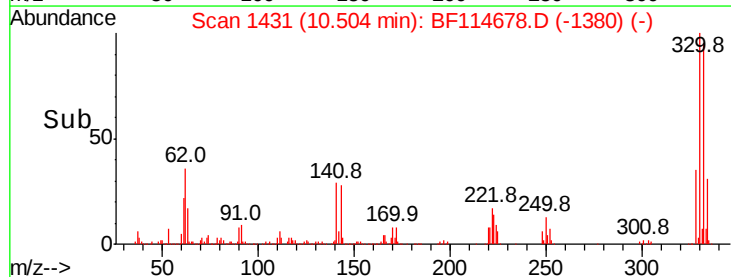
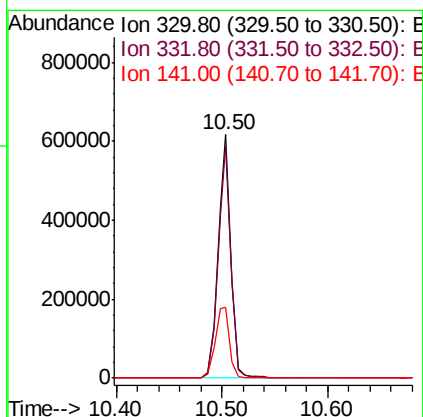
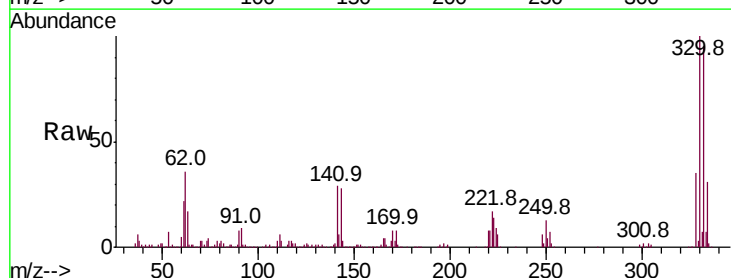
Instrument :
 BNA_F
 ClientSampleId :

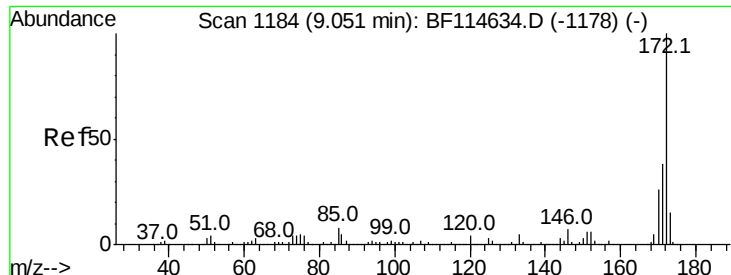
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.4	122.2
160	46.0	36.6	54.8



#42
 2,4,6-Tribromophenol
 Concen: 92.868 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	75.8	113.8
141	33.5	27.8	41.8

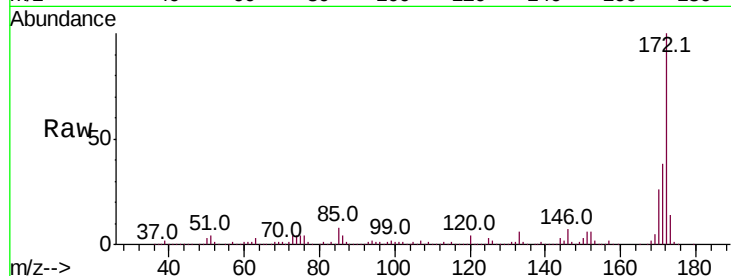




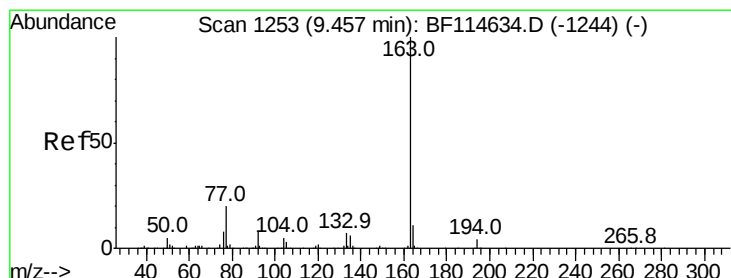
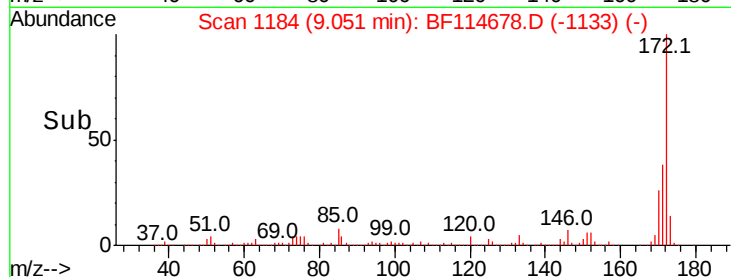
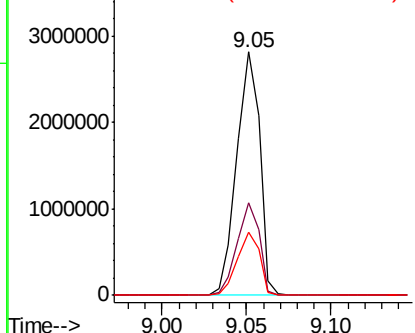
#45
2-Fluorobiphenyl
Concen: 84.800 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2682184
Ion Ratio Lower Upper
172 100
171 38.1 30.6 45.8
170 26.0 20.7 31.1

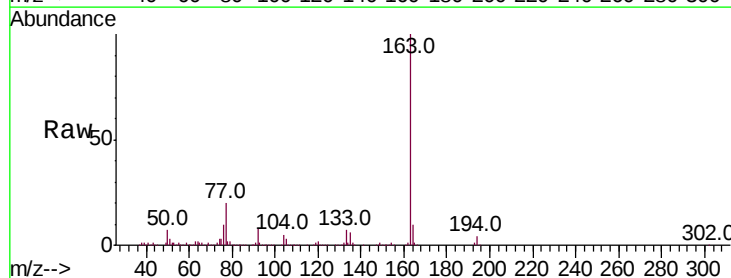


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

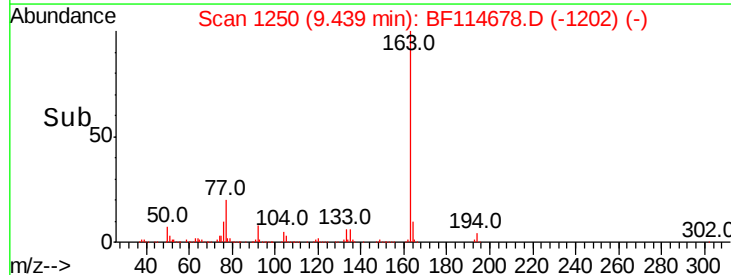
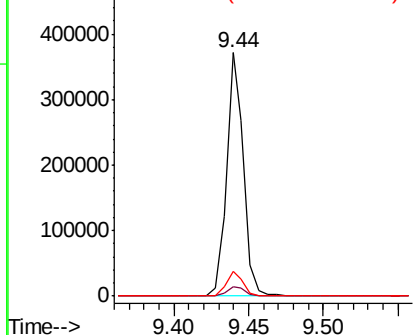


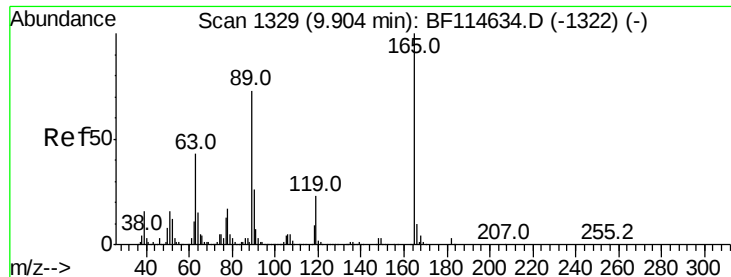
#50
Dimethylphthalate
Concen: 7.192 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Tgt Ion:163 Resp: 297644
Ion Ratio Lower Upper
163 100
194 3.7 3.4 5.0
164 10.1 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

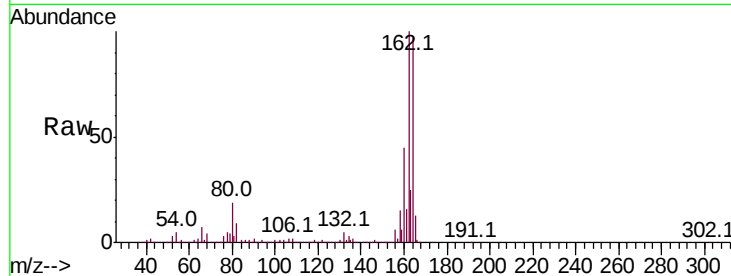




#57
 2,4-Dinitrotoluene
 Concen: 6.377 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.18 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.8	52.2#
89	1.6	58.5	87.7#
182	0.0	2.2	3.2#



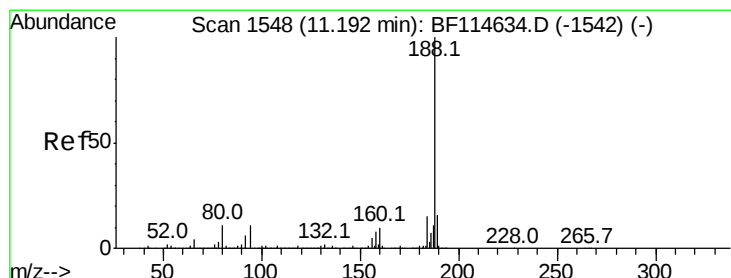
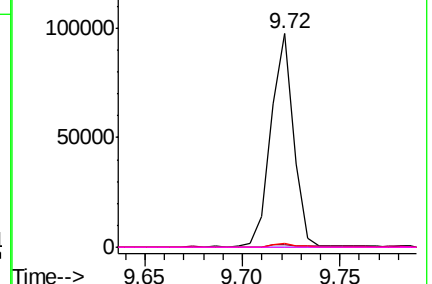
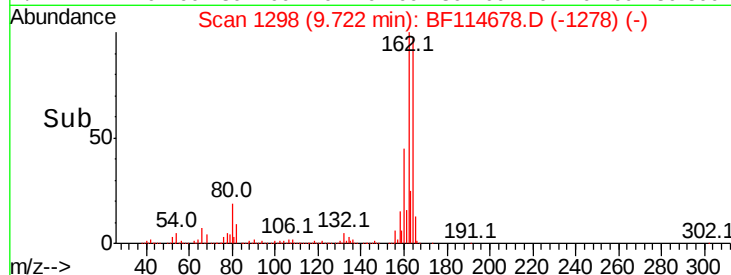
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

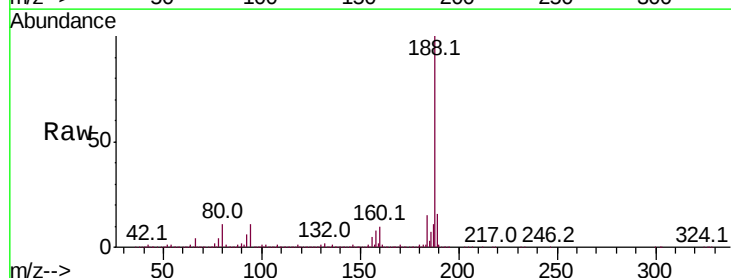
Ion 89.00 (88.70 to 89.70): BF1

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: BF114678.D
 Acq: 30 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	11.0	9.0	13.6

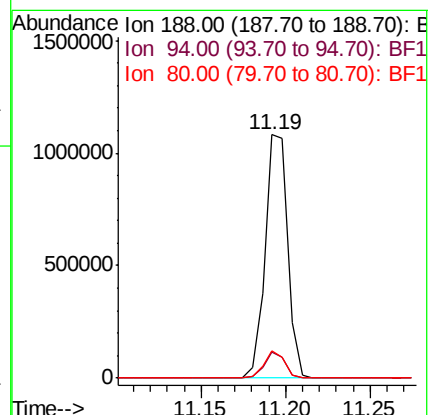
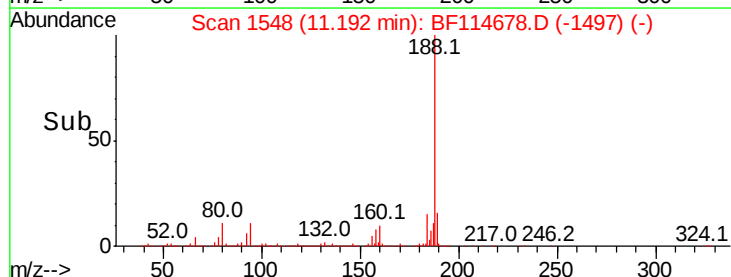


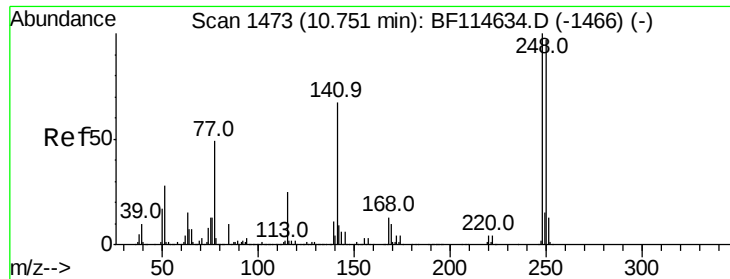
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

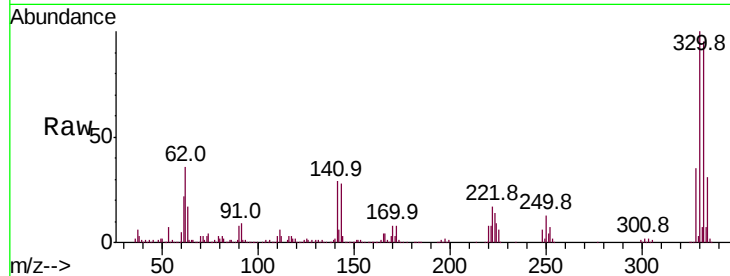




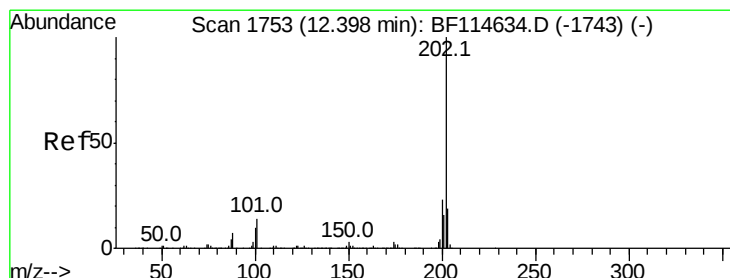
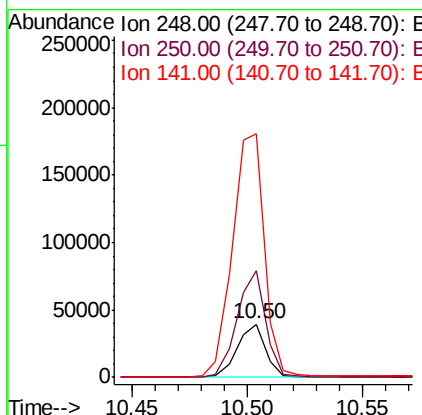
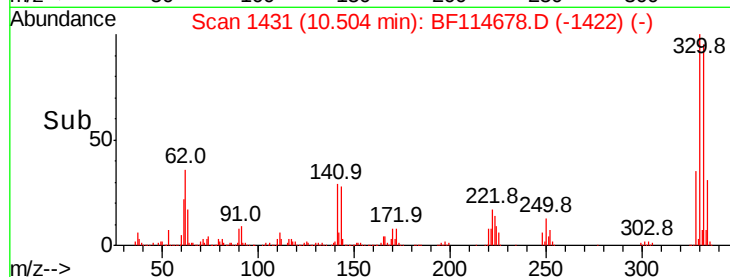
#67
4-Bromophenyl-phenylether
Concen: 3.138 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.25 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 33747
Ion Ratio Lower Upper
248 100
250 202.2 78.0 117.0#
141 459.6 53.8 80.8#

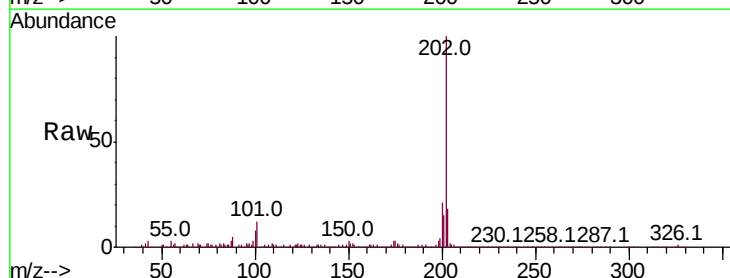


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

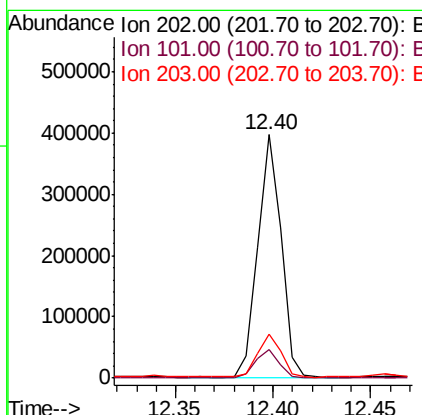
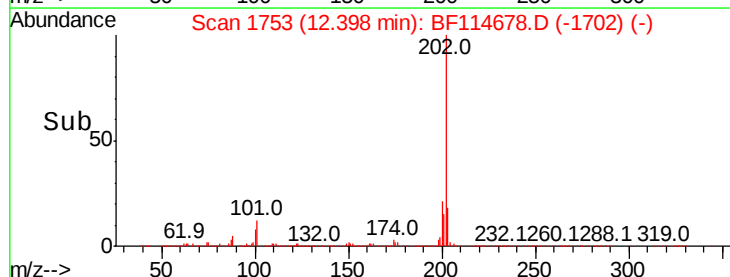


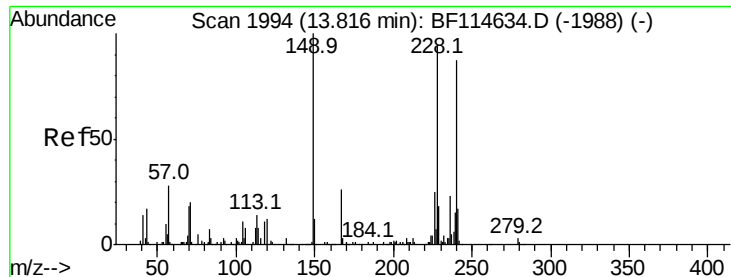
#75
Fluoranthene
Concen: 6.155 ng
RT: 12.40 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Tgt Ion:202 Resp: 326054
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.9
203 17.8 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

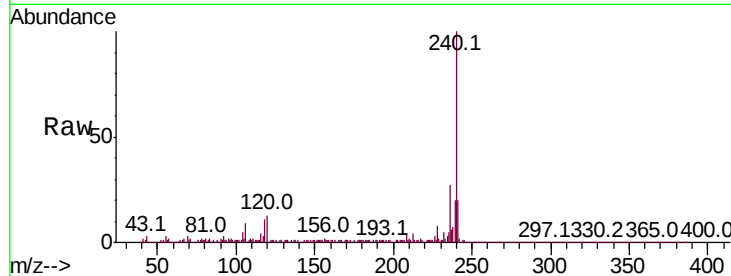




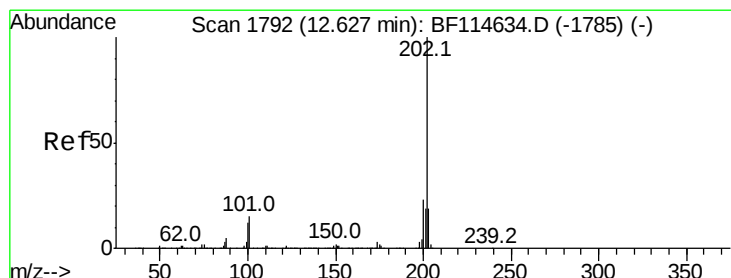
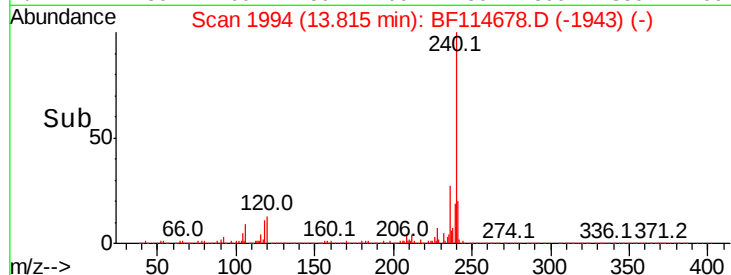
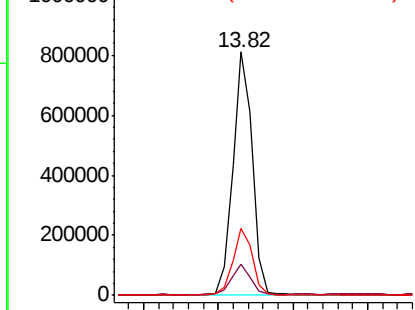
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 737035
Ion Ratio Lower Upper
240 100
120 12.8 11.2 16.8
236 27.3 21.2 31.8

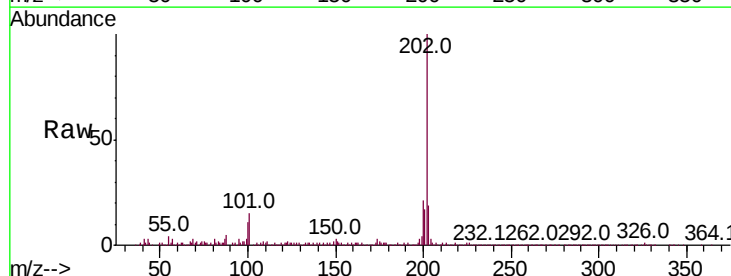


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

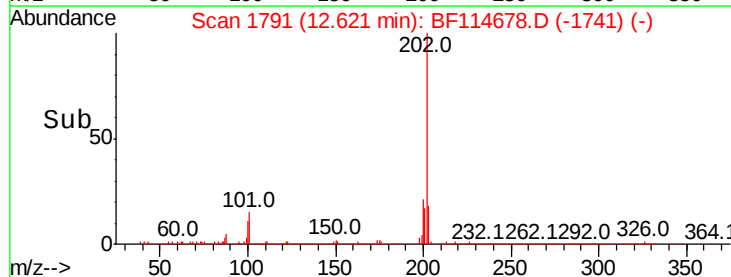
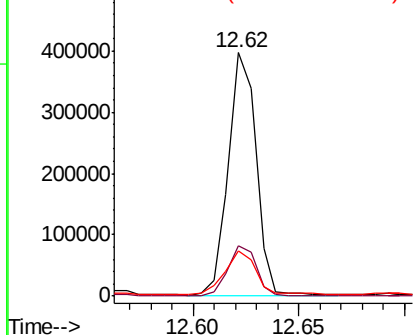


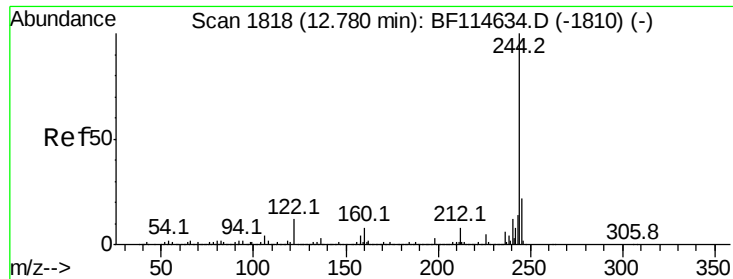
#78
Pyrene
Concen: 5.735 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Tgt Ion:202 Resp: 357538
Ion Ratio Lower Upper
202 100
200 20.8 18.6 28.0
203 18.7 15.4 23.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



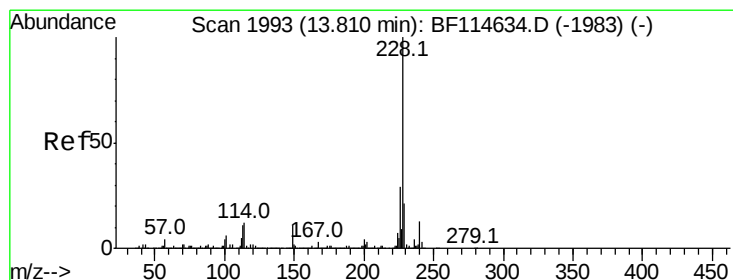
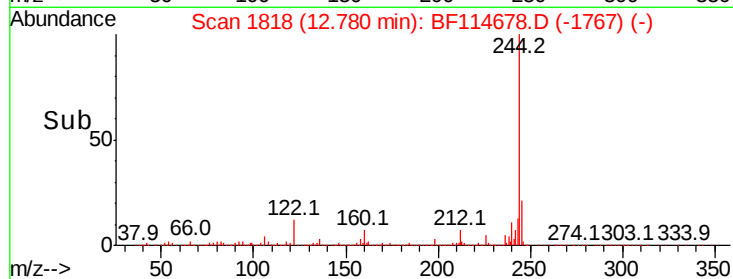
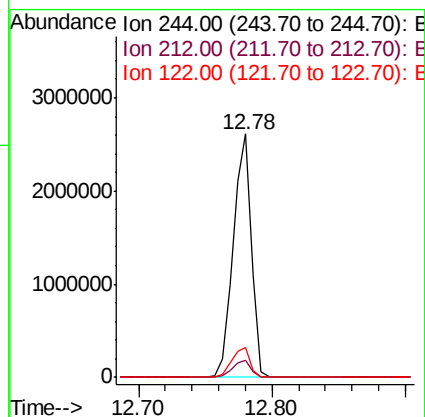
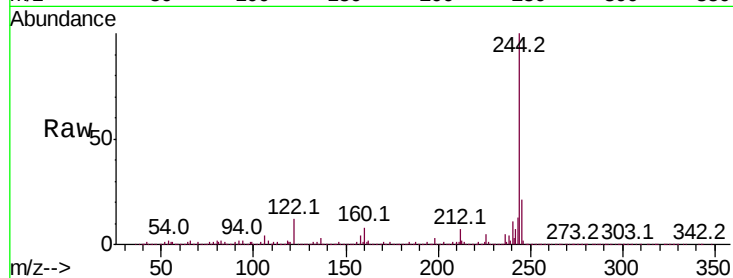


#79
 Terphenyl-d14
 Concen: 63.712 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 2497573

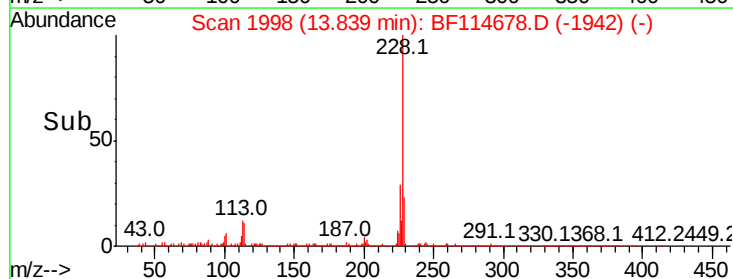
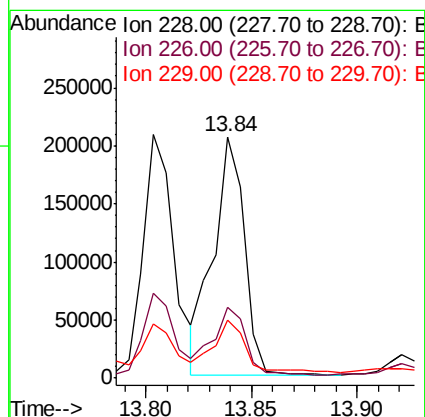
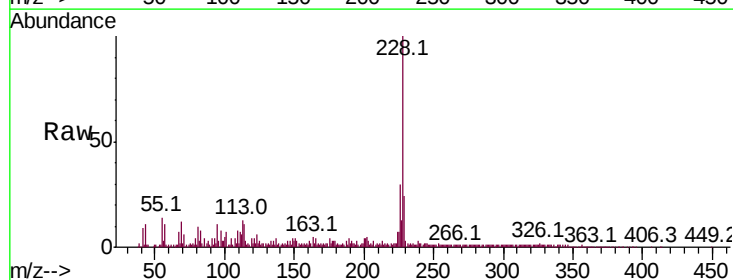
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.1	9.8	14.8

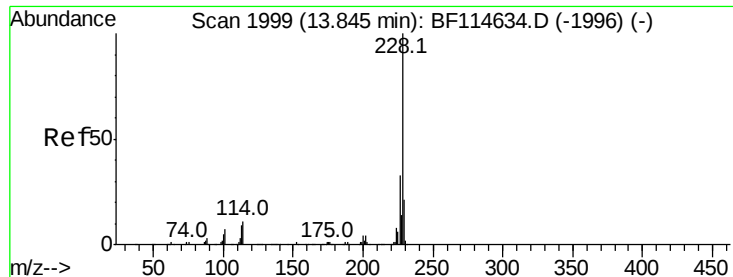


#81
 Benzo(a)anthracene
 Concen: 3.721 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. 0.03 min
 Lab File: BF114678.D
 Acq: 30 May 2019 23:27

Tgt Ion:228 Resp: 210758

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.0	34.6
229	23.8	17.0	25.4

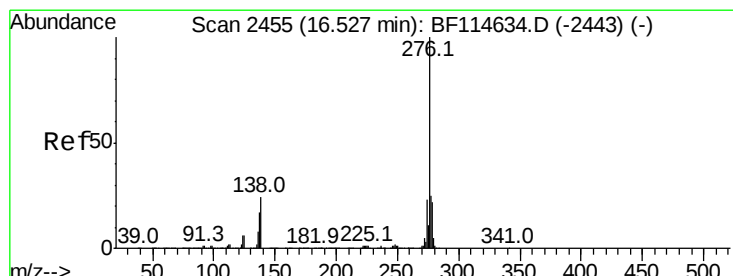
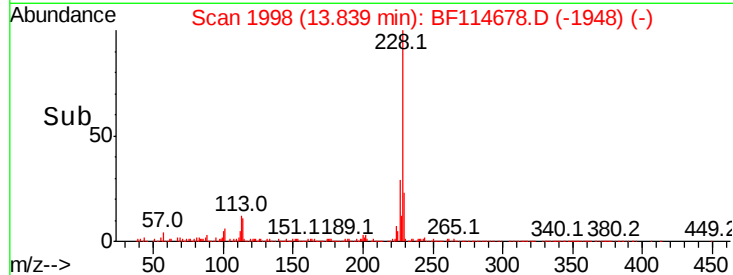
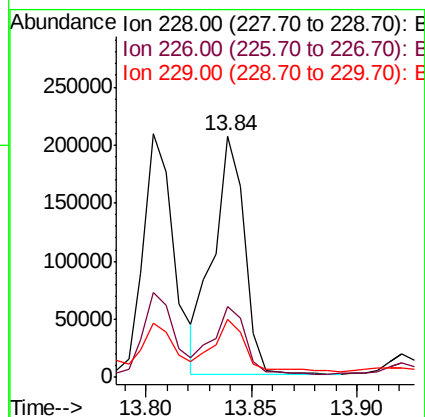
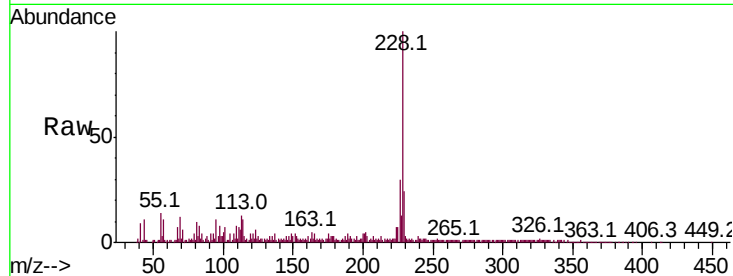




#83
Chrysene
Concen: 3.895 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

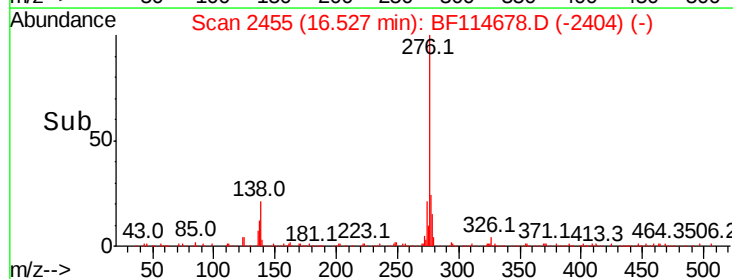
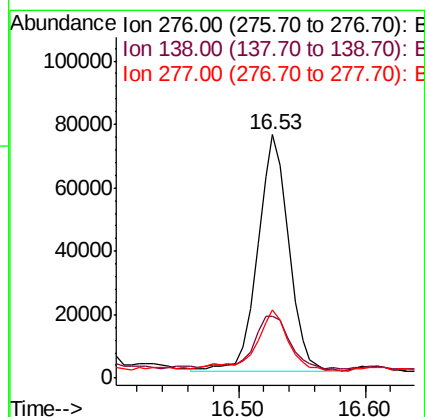
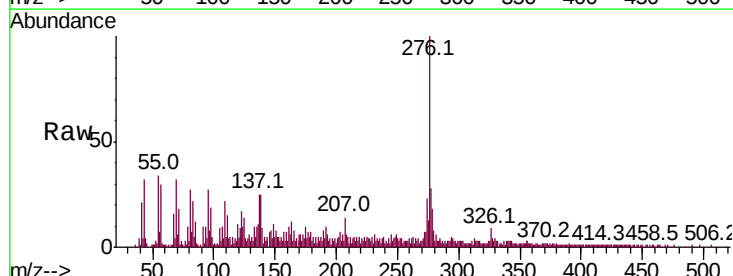
Instrument :
BNA_F
ClientSampleId :

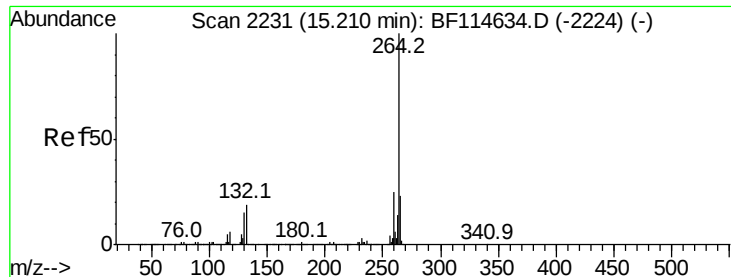
Tot Ion:228	Resp:	210758
Ion Ratio	Lower	Upper
228	100	
226	29.5	26.4 39.6
229	23.8	17.1 25.7



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.329 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Tgt Ion:276	Resp:	126220
Ion Ratio	Lower	Upper
276	100	
138	26.2	23.0 34.6
277	29.3	20.5 30.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.00 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

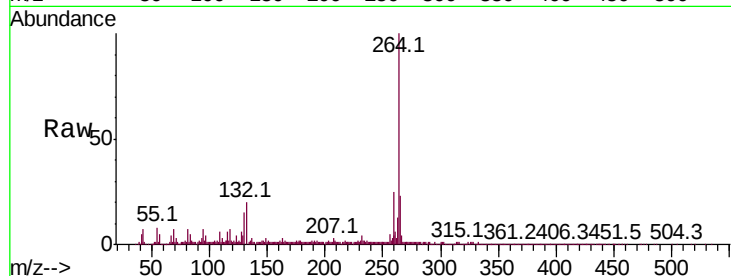
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 580197

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	22.8	18.1	27.1

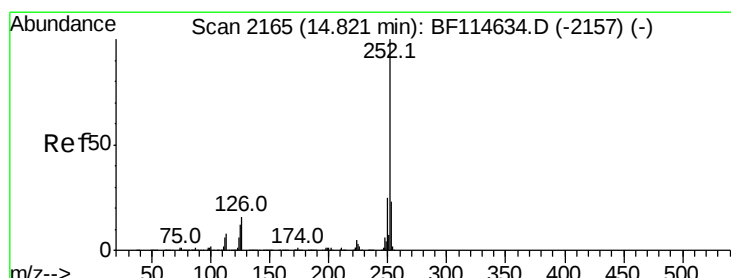
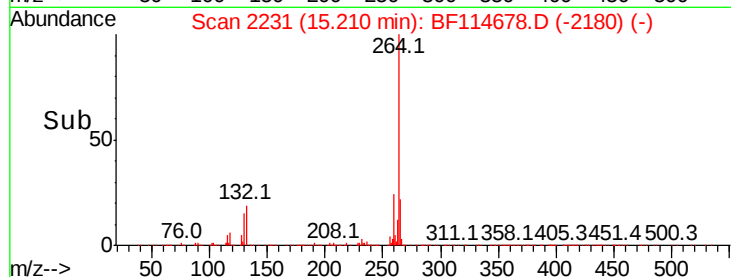
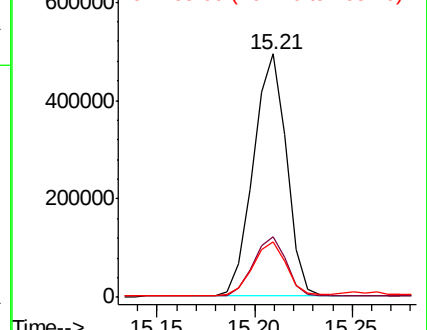


Abundance

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: 9.784 ng

RT: 14.82 min Scan# 2164

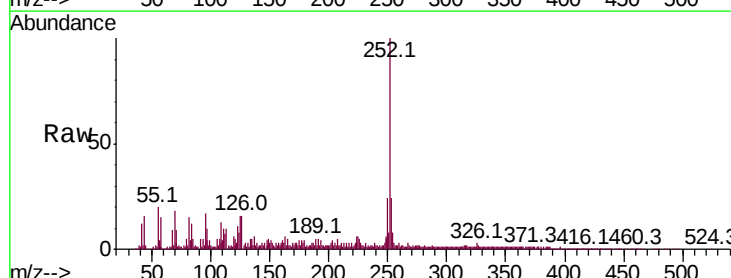
Delta R.T. -0.01 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

Tgt Ion:252 Resp: 357530

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.7	28.1
125	15.7	9.4	14.2#

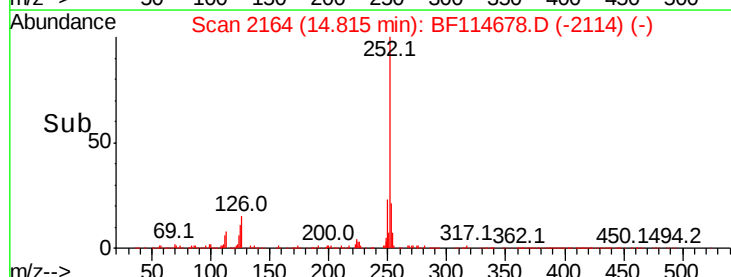
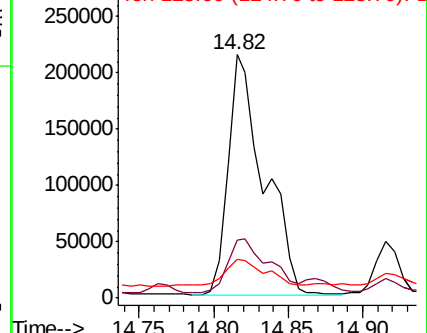


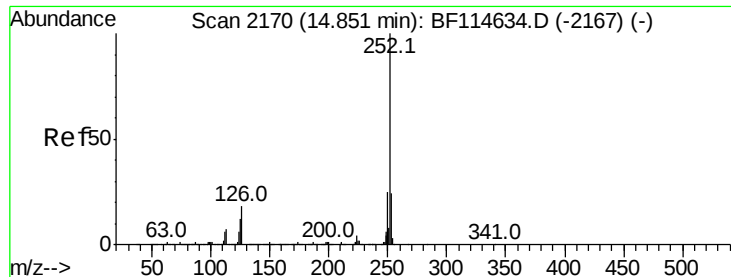
Abundance

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

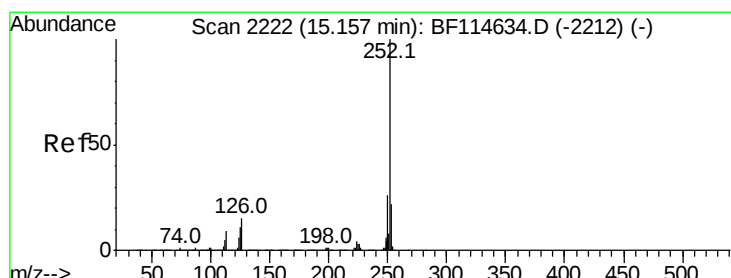
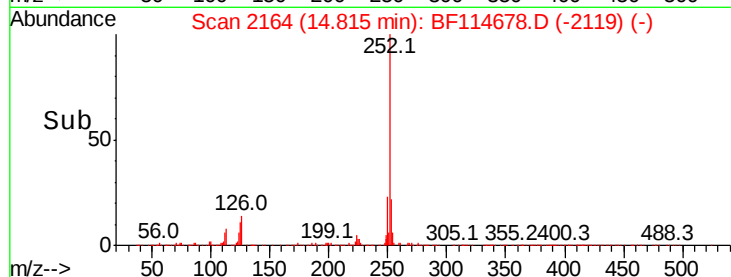
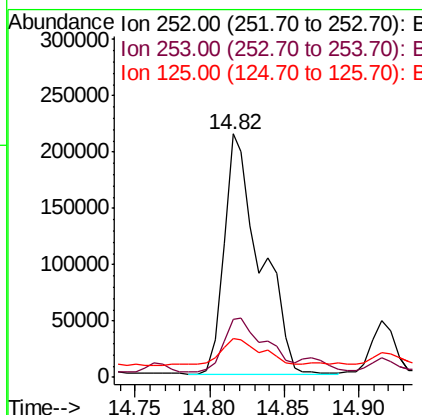
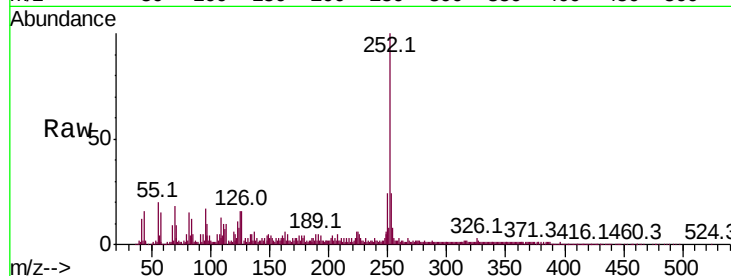




#89
Benzo(k)fluoranthene
Concen: 11.256 ng
RT: 14.82 min Scan# 2164
Delta R.T. -0.04 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

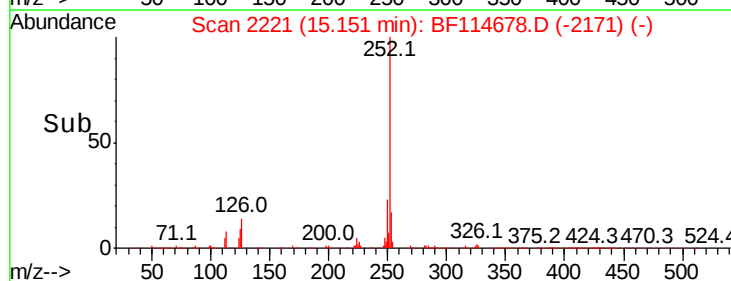
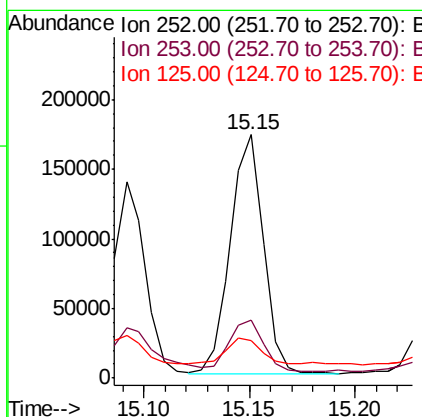
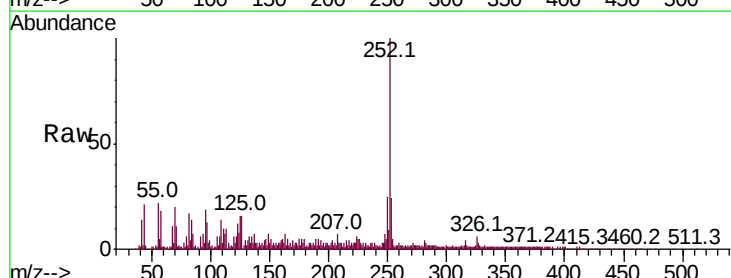
Instrument :
BNA_F
ClientSampled :

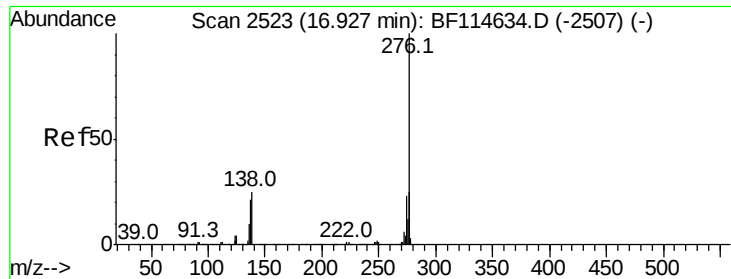
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	15.7	9.5	14.3



#90
Benzo(a)pyrene
Concen: 5.781 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF114678.D
Acq: 30 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	15.5	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 5.384 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.01 min

Lab File: BF114678.D

Acq: 30 May 2019 23:27

Instrument :

BNA_F

ClientSampleId :

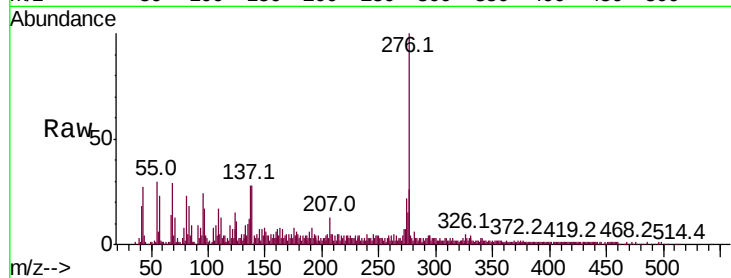
Tot Ion:276 Resp: 148227

Ion Ratio Lower Upper

276 100

277 25.9 19.7 29.5

138 28.0 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

