

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114834.D
 Acq On : 5 Jun 2019 22:34
 Operator : HP/JU
 Sample : K3189-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:03:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	304645	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1218585	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	638102	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1256627	20.00	ng	0.00
76) Chrysene-d12	13.79	240	857569	20.00	ng	0.00
87) Perylene-d12	15.17	264	905596	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1217291	69.82	ng	0.00
7) Phenol-d6	6.30	99	1508265	71.10	ng	0.00
23) Nitrobenzene-d5	7.22	82	909889	45.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	466344	67.82	ng	0.00
45) 2-Fluorobiphenyl	9.02	172	1765456	51.83	ng	0.00
79) Terphenyl-d14	12.75	244	1982620	44.96	ng	0.00

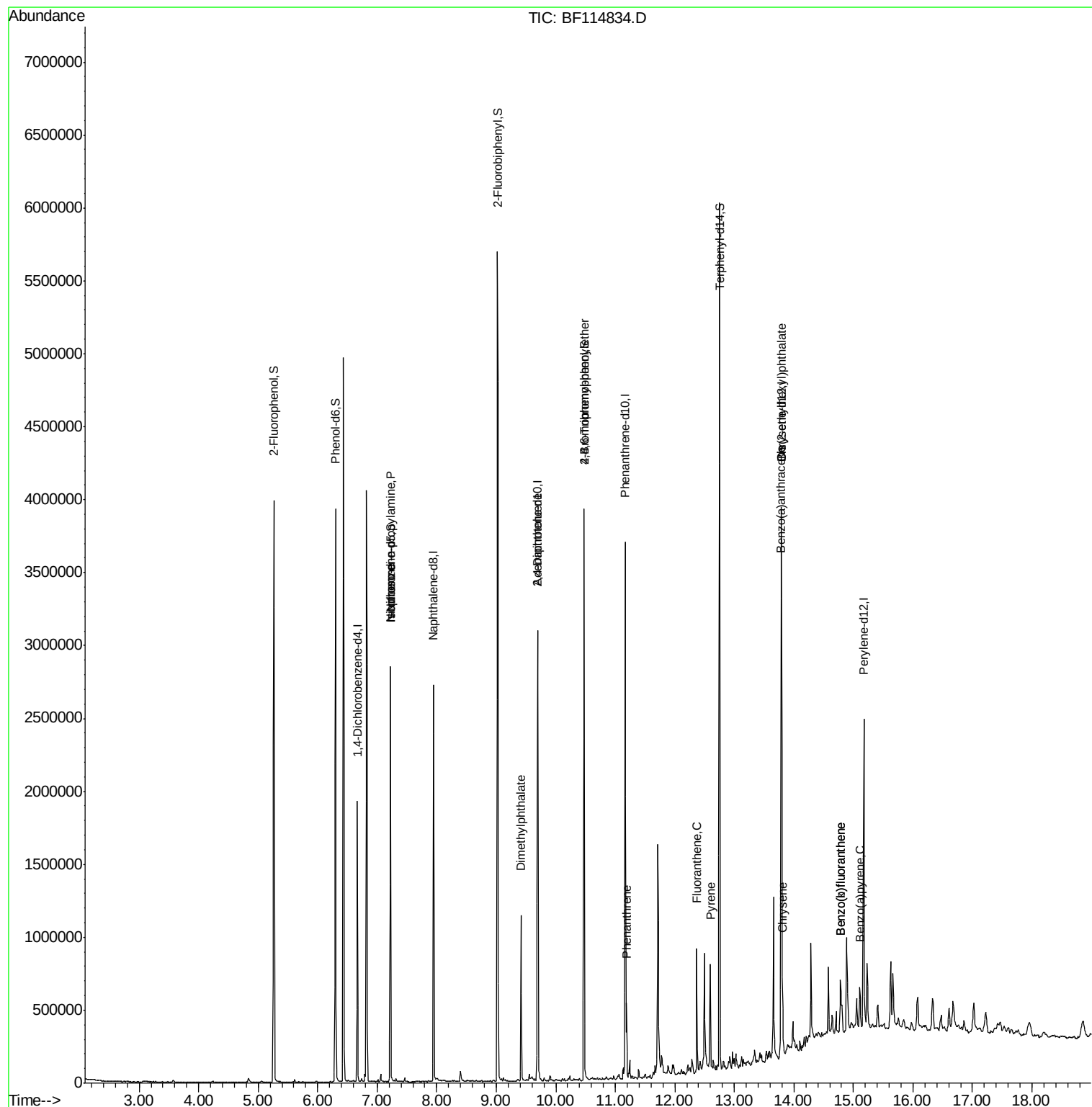
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	120212	8.560	ng	# 80
25) Isophorone	7.22	82	900284	23.005	ng	# 61
50) Dimethylphthalate	9.42	163	426675	9.155	ng	99
57) 2,4-Dinitrotoluene	9.69	165	82092	5.958	ng	# 32
58) Fluorene	10.24	166	9359	Below Cal		98
67) 4-Bromophenyl-phenylether	10.47	248	29667	2.079	ng	# 1
71) Phenanthrene	11.19	178	175599	2.927	ng	94
75) Fluoranthene	12.37	202	319485	5.117	ng	96
78) Pyrene	12.60	202	290138	3.900	ng	94
81) Benzo(a)anthracene	13.78	228	136778	2.070	ng	95
83) Chrysene	13.81	228	139600	2.172	ng	97
84) Bis(2-ethylhexyl)phthalate	13.80	149	415800	8.753	ng	99
88) Benzo(b)fluoranthene	14.79	252	250113	4.338	ng	98
89) Benzo(k)fluoranthene	14.79	252	250113	5.109	ng	99
90) Benzo(a)pyrene	15.11	252	117213	2.349	ng	# 97

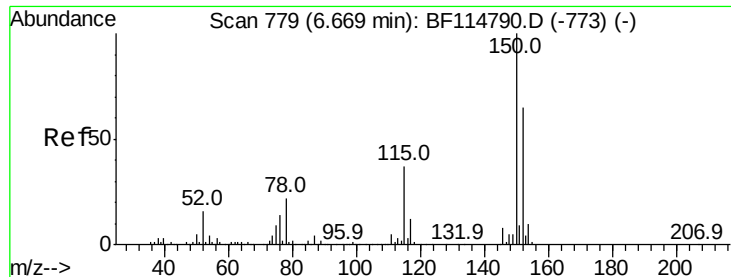
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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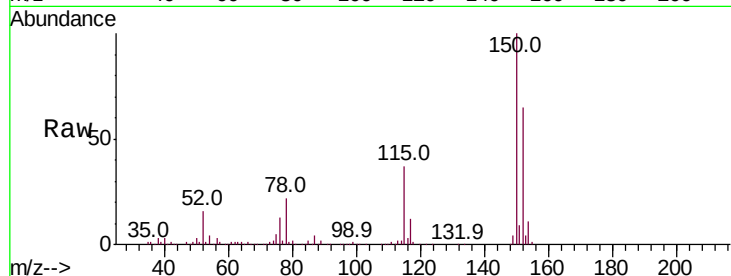


#1

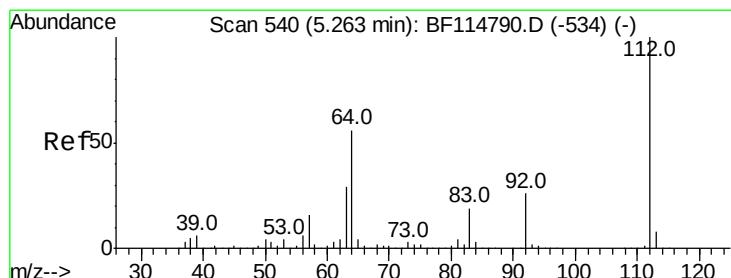
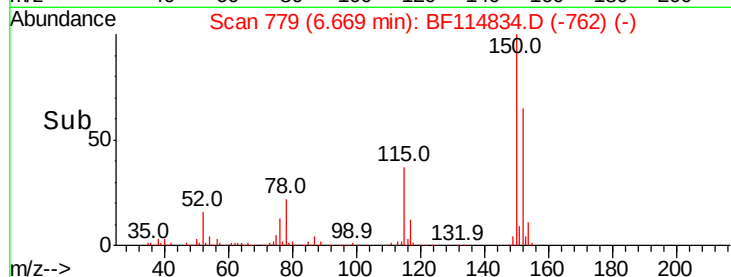
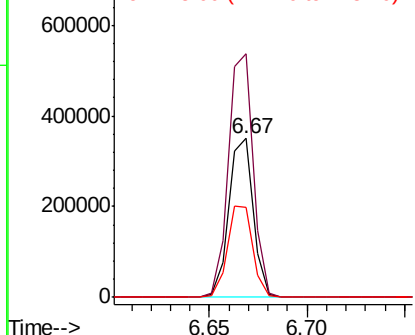
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 304645
Ion Ratio Lower Upper
152 100
150 153.1 124.0 186.0
115 56.6 46.3 69.5



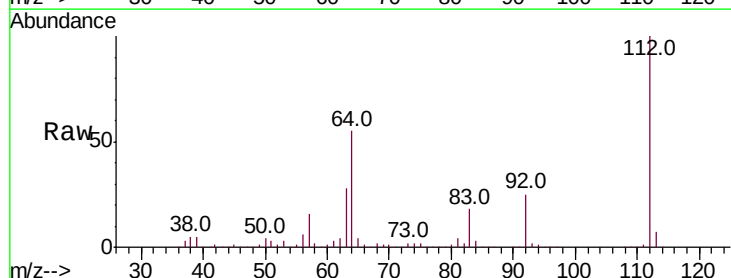
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



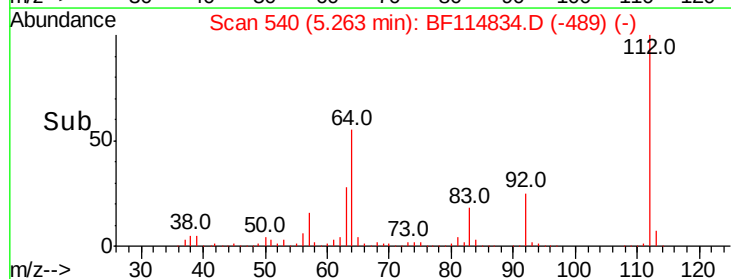
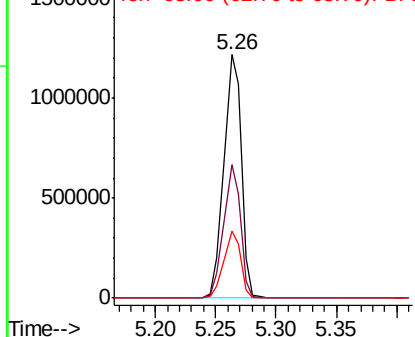
#5

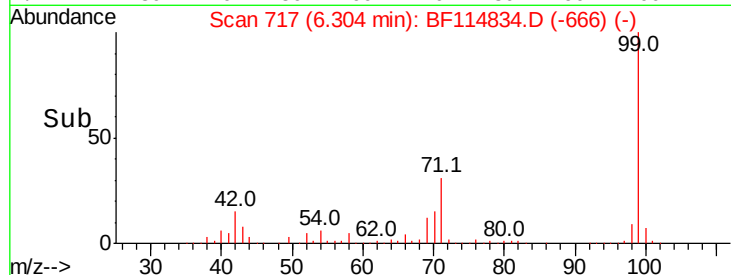
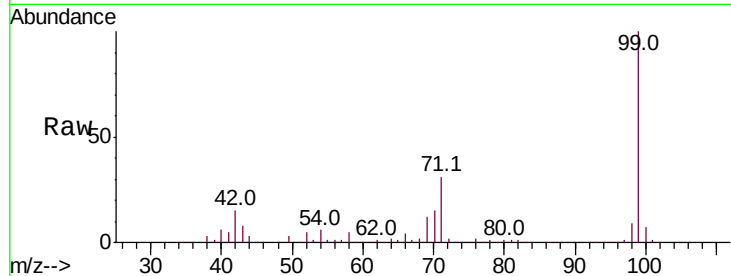
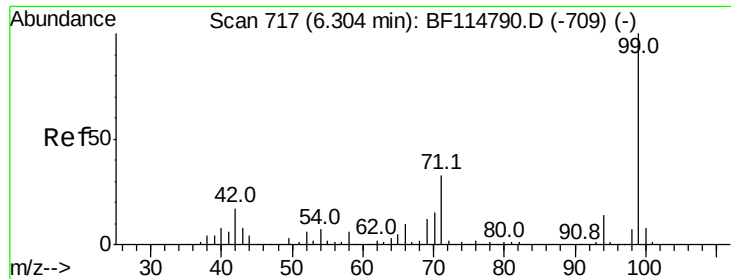
2-Fluorophenol
Concen: 69.820 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.00 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

Tgt Ion:112 Resp: 1217291
Ion Ratio Lower Upper
112 100
64 54.7 44.6 66.8
63 27.6 23.0 34.4



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: 71.096 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

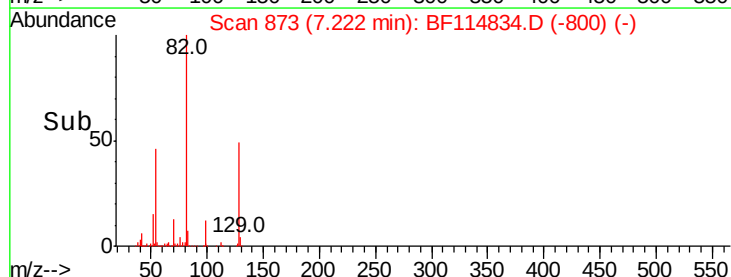
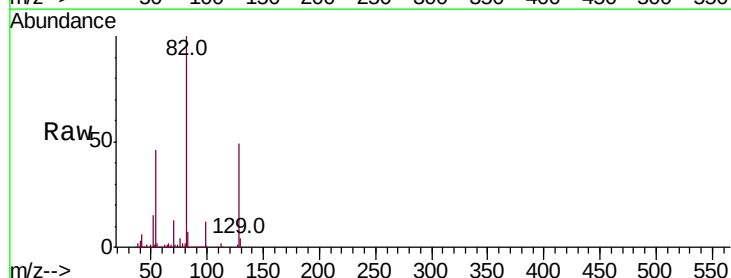
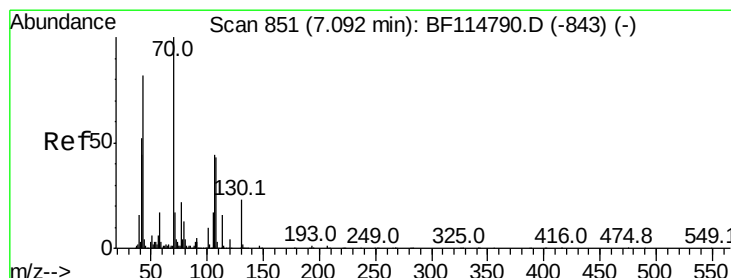
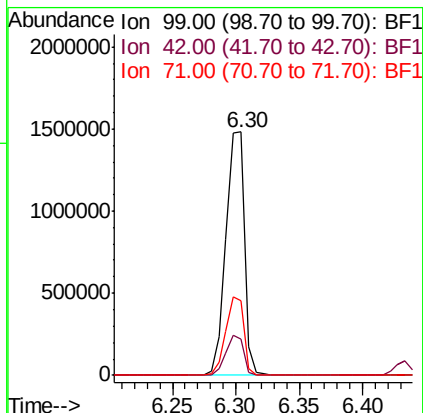
Tot Ion: 99 Resp: 1508265

Ion Ratio Lower Upper

99 100

42 15.1 13.3 19.9

71 30.7 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 8.560 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Tgt Ion: 70 Resp: 120212

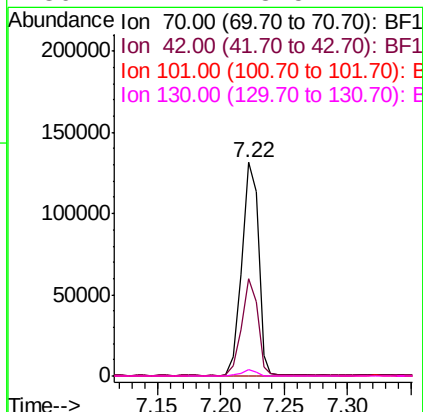
Ion Ratio Lower Upper

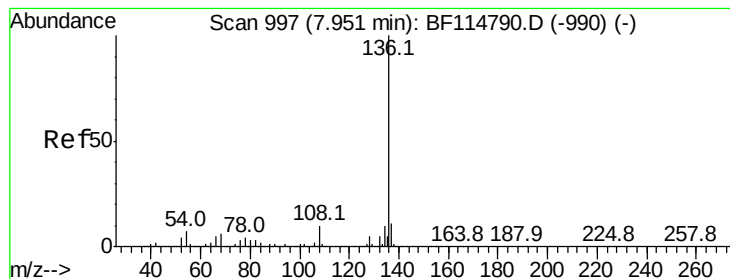
70 100

42 45.7 41.8 62.8

101 0.0 8.2 12.4#

130 2.7 18.5 27.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 996

Delta R.T. -0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1218585

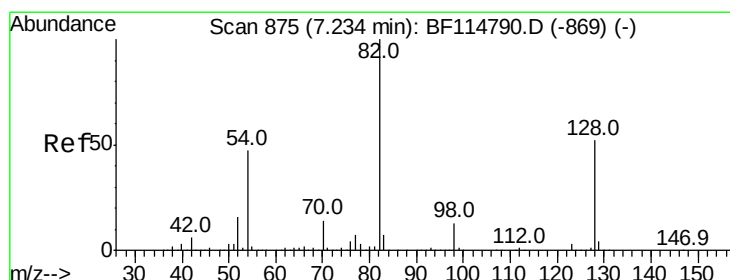
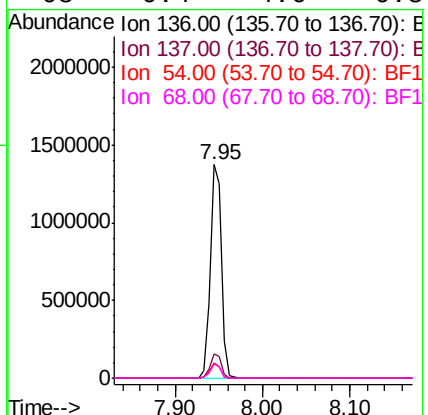
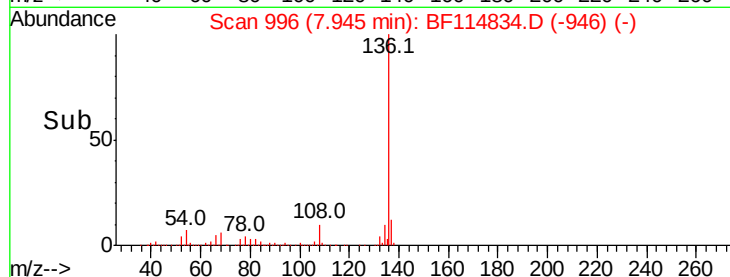
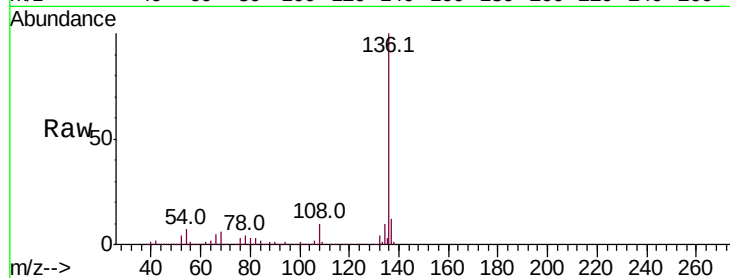
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 7.5 5.4 8.0

68 6.4 4.6 6.8



#23

Nitrobenzene-d5

Concen: 45.964 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

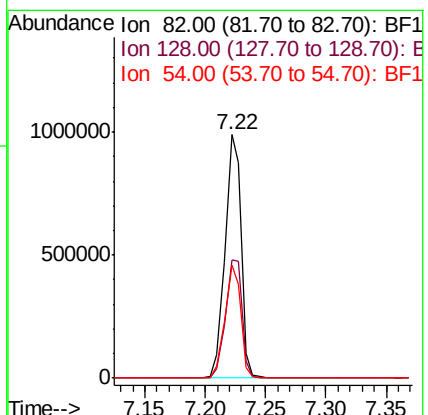
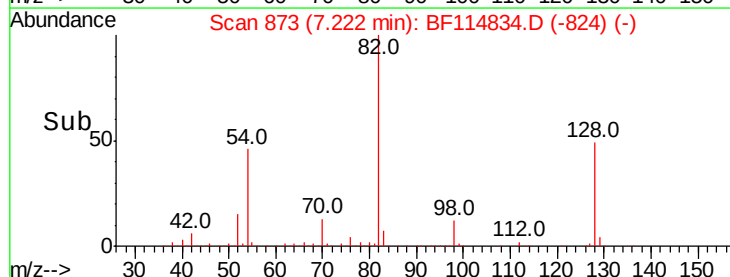
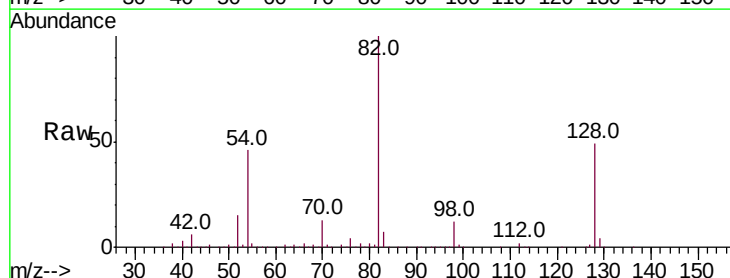
Tgt Ion: 82 Resp: 909889

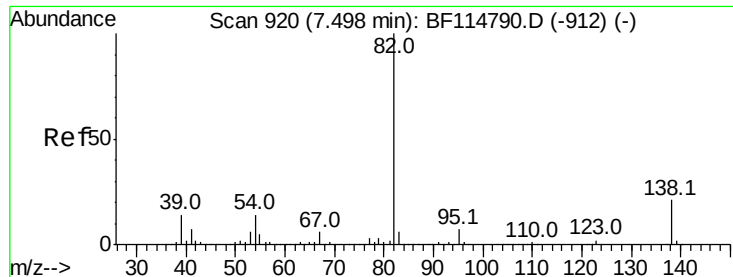
Ion Ratio Lower Upper

82 100

128 48.8 41.8 62.6

54 46.5 37.9 56.9





#25

Isophorone

Concen: 23.005 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Instrument :

BNA_F

ClientSampled :

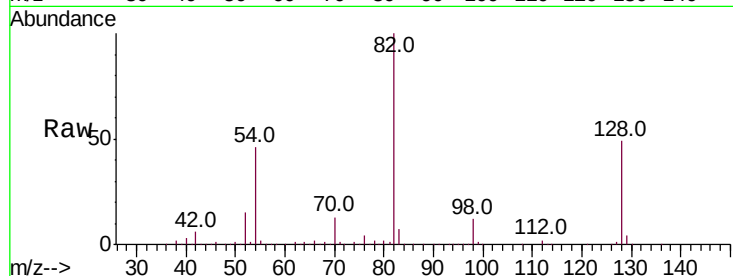
Tot Ion: 82 Resp: 900284

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

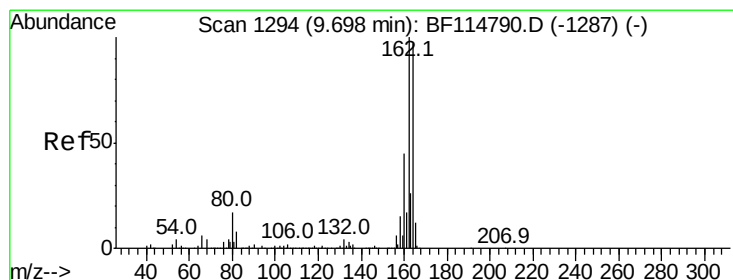
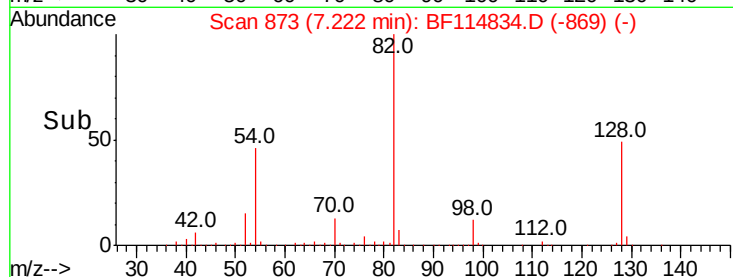
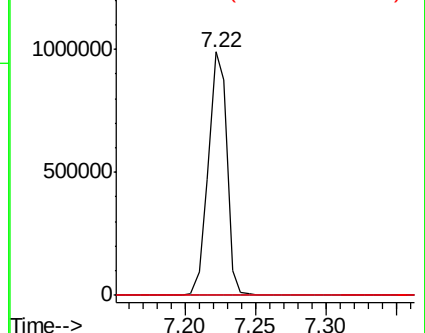
138 0.0 16.9 25.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

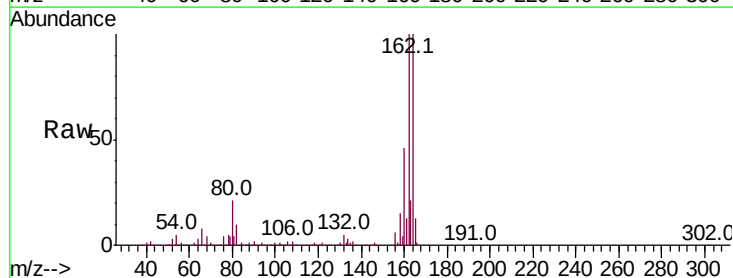
Tgt Ion:164 Resp: 638102

Ion Ratio Lower Upper

164 100

162 99.9 82.3 123.5

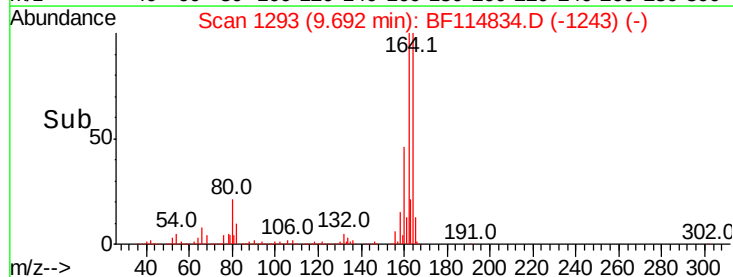
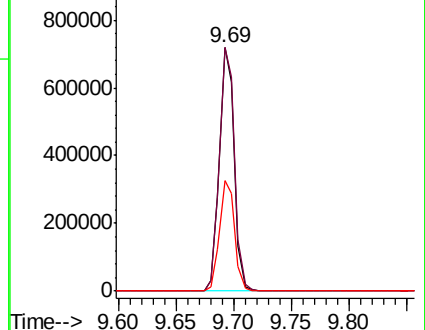
160 45.5 36.7 55.1

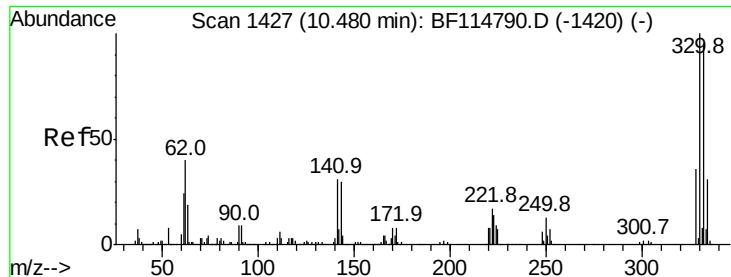


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

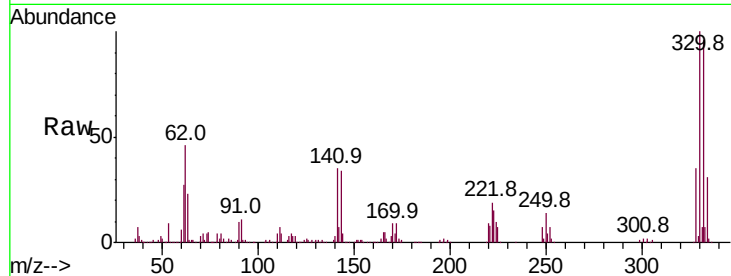




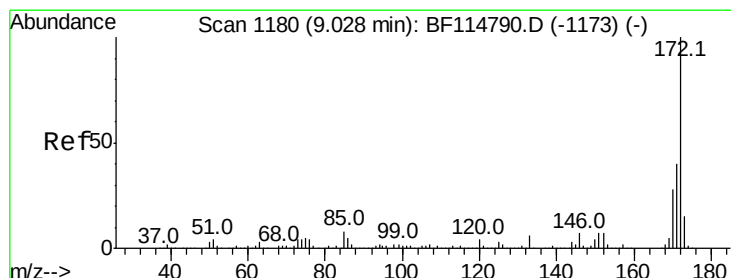
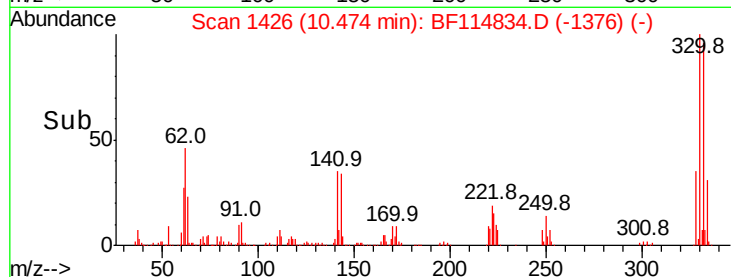
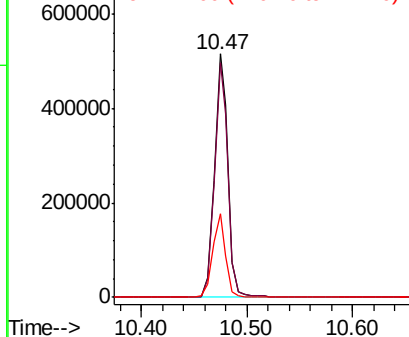
#42
 2,4,6-Tribromophenol
 Concen: 67.816 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF114834.D
 Acq: 5 Jun 2019 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 466344
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 32.9 26.2 39.4

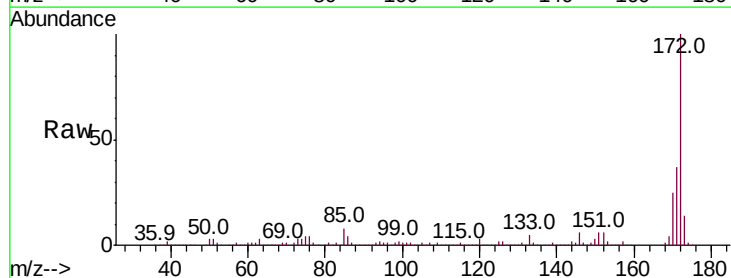


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

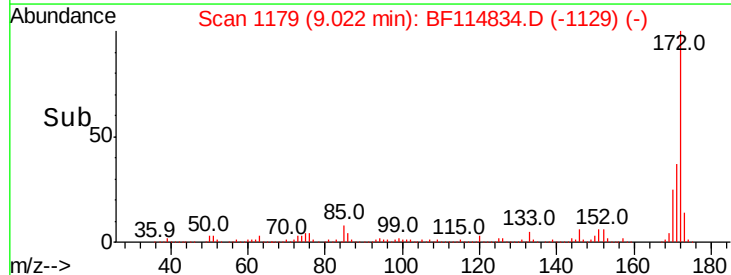
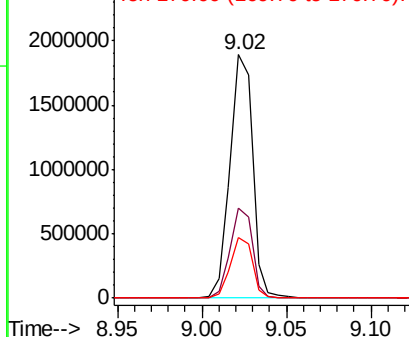


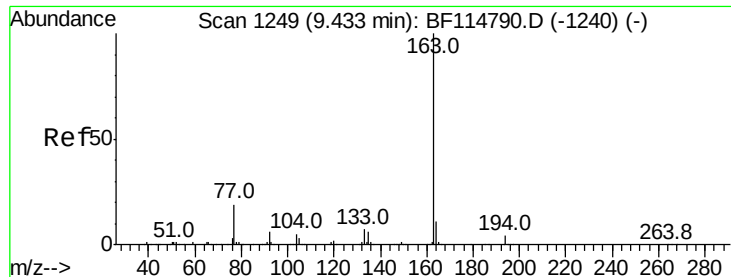
#45
 2-Fluorobiphenyl
 Concen: 51.828 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF114834.D
 Acq: 5 Jun 2019 22:34

Tgt Ion:172 Resp: 1765456
 Ion Ratio Lower Upper
 172 100
 171 37.0 32.3 48.5
 170 25.0 22.4 33.6



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

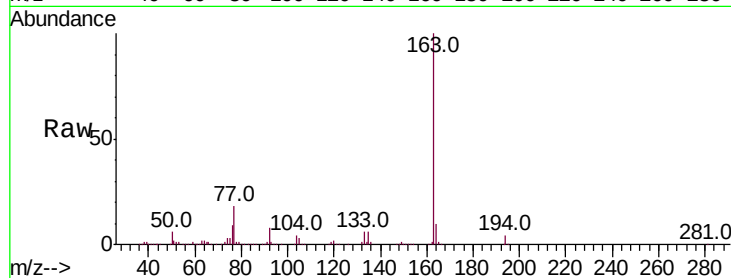




#50
Dimethylphthalate
Concen: 9.155 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.4	8.6	13.0

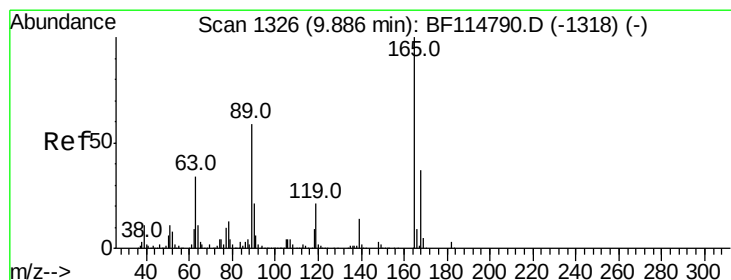
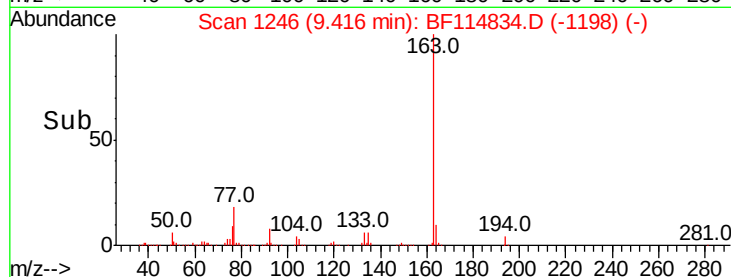
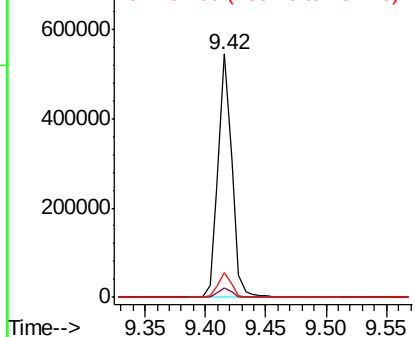


Abundance

Ion 163.00 (162.70 to 163.70): E

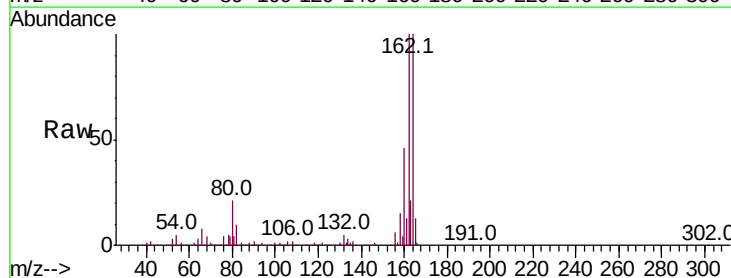
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57
2,4-Dinitrotoluene
Concen: 5.958 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.19 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	27.0	40.4#
89	1.3	47.0	70.6#
182	0.0	2.2	3.2#



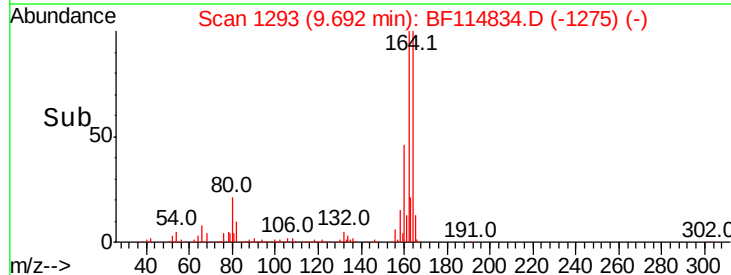
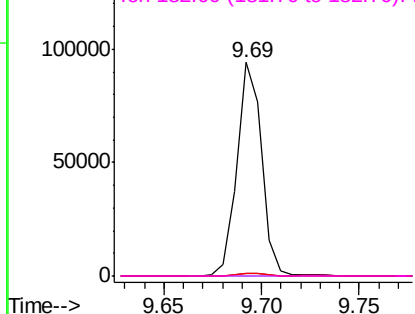
Abundance

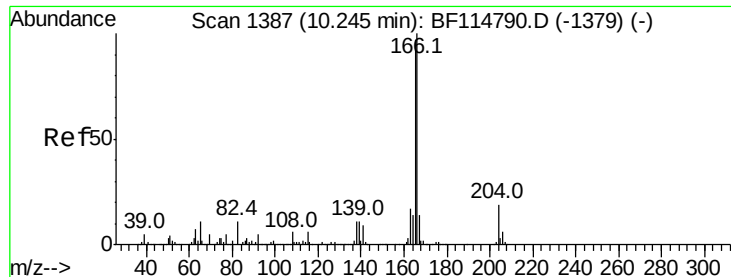
Ion 165.00 (164.70 to 165.70): E

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

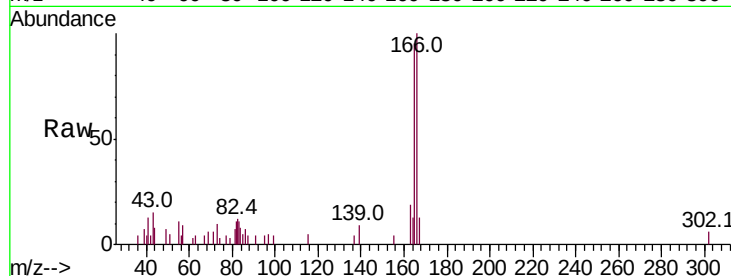




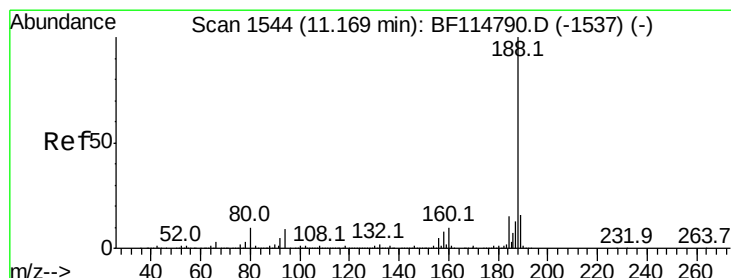
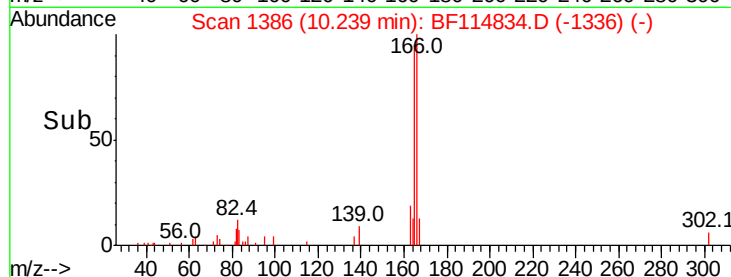
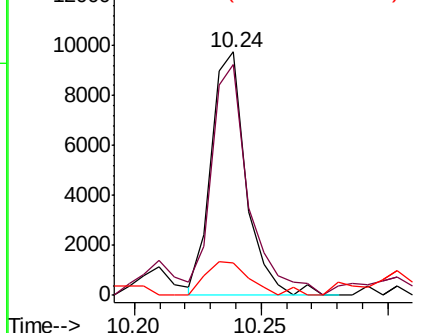
#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114834.D
 Acq: 5 Jun 2019 22:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 9359
 Ion Ratio Lower Upper
 166 100
 165 95.1 77.9 116.9
 167 13.2 11.3 16.9

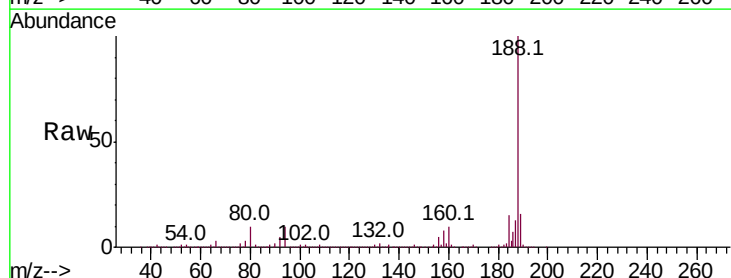


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

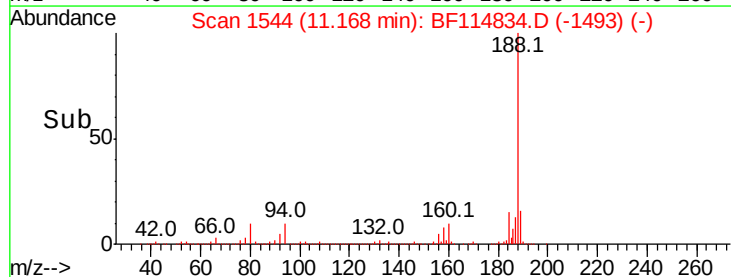
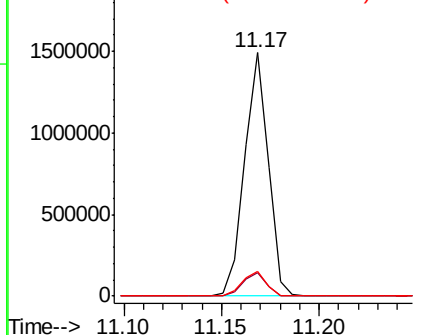


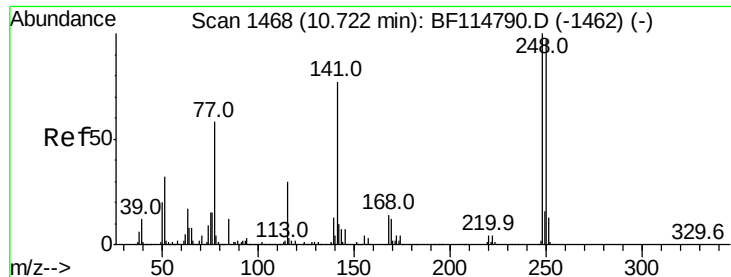
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: BF114834.D
 Acq: 5 Jun 2019 22:34

Tgt Ion:188 Resp: 1256627
 Ion Ratio Lower Upper
 188 100
 94 9.6 7.6 11.4
 80 10.2 8.3 12.5



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

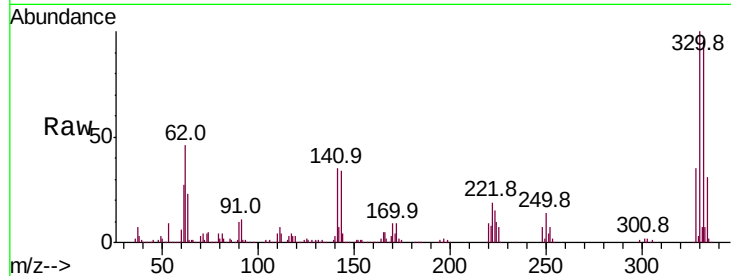




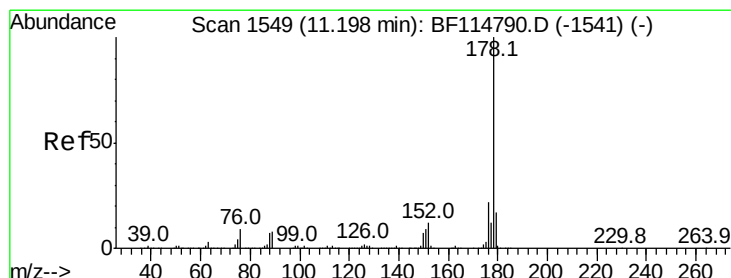
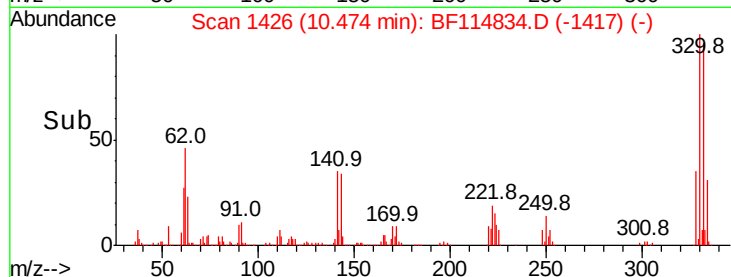
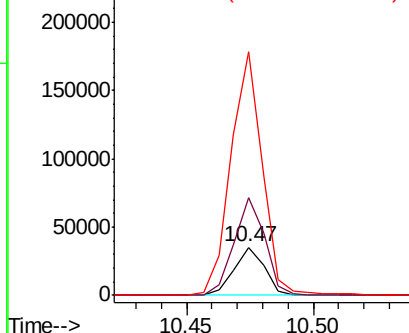
#67
 4-Bromophenyl-phenylether
 Concen: 2.079 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.25 min
 Lab File: BF114834.D
 Acq: 5 Jun 2019 22:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 29667
 Ion Ratio Lower Upper
 248 100
 250 201.8 77.5 116.3#
 141 505.6 61.8 92.8#

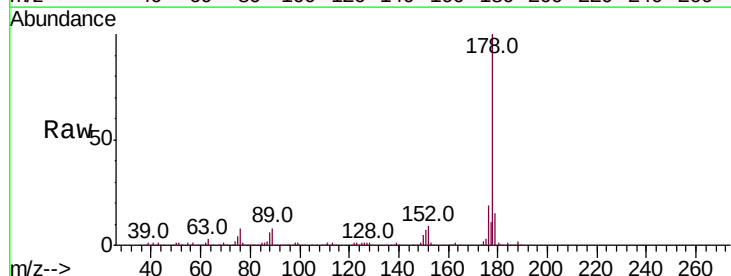


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

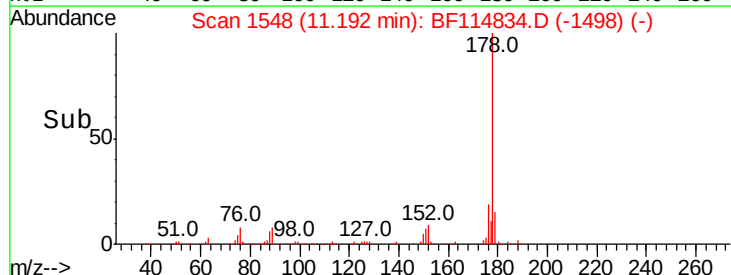
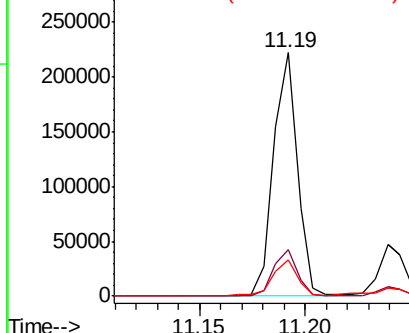


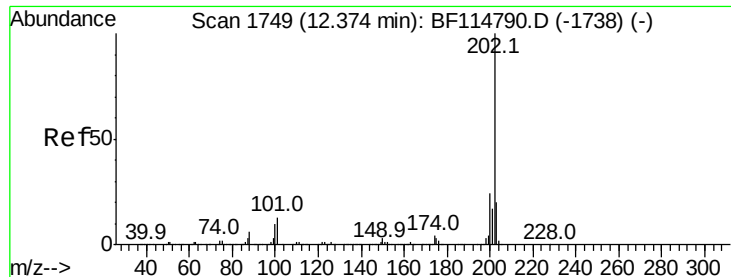
#71
 Phenanthrene
 Concen: 2.927 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF114834.D
 Acq: 5 Jun 2019 22:34

Tgt Ion:178 Resp: 175599
 Ion Ratio Lower Upper
 178 100
 176 19.0 17.7 26.5
 179 15.1 13.7 20.5



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





#75

Fluoranthene

Concen: 5.117 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Instrument :

BNA_F

ClientSampleId :

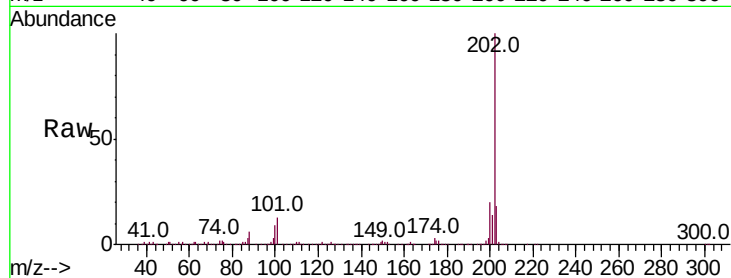
Tot Ion:202 Resp: 319485

Ion Ratio Lower Upper

202 100

101 13.3 0.0 32.8

203 17.7 0.2 40.2

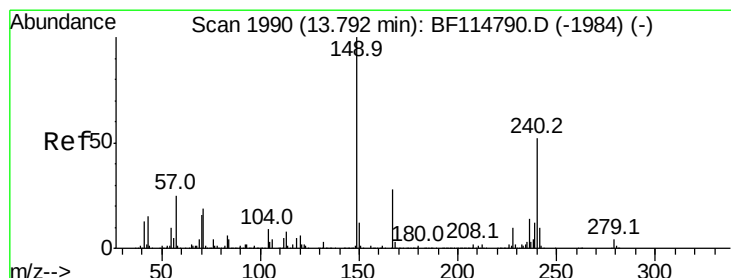
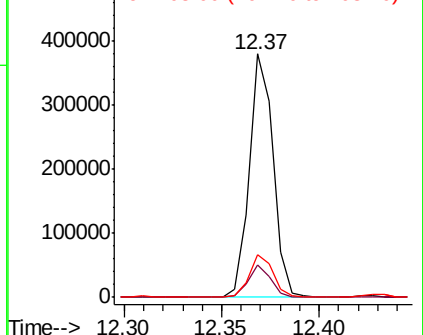
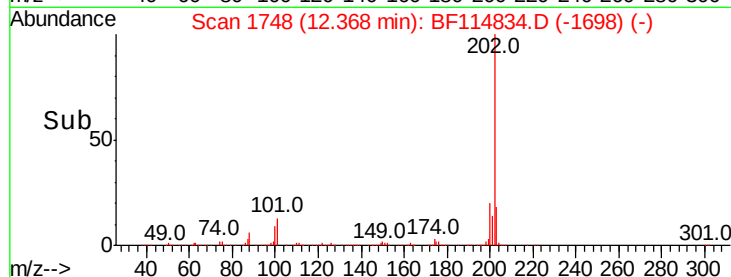


Abundance

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# 1989

Delta R.T. -0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

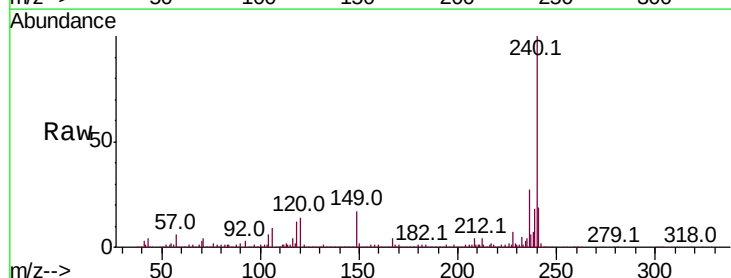
Tgt Ion:240 Resp: 857569

Ion Ratio Lower Upper

240 100

120 13.5 9.0 13.4#

236 26.8 21.4 32.0

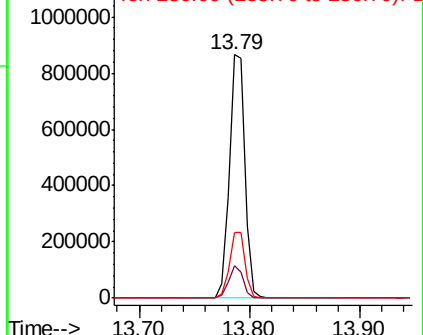
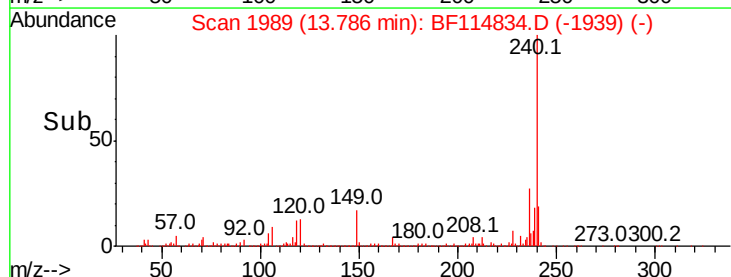


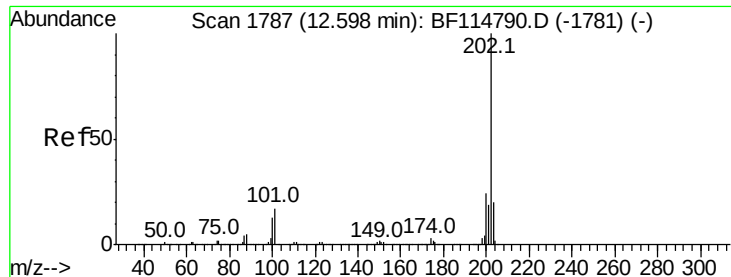
Abundance

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

Pvrene

Concen: 3.900 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.00 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Instrument :

BNA_F

ClientSampleId :

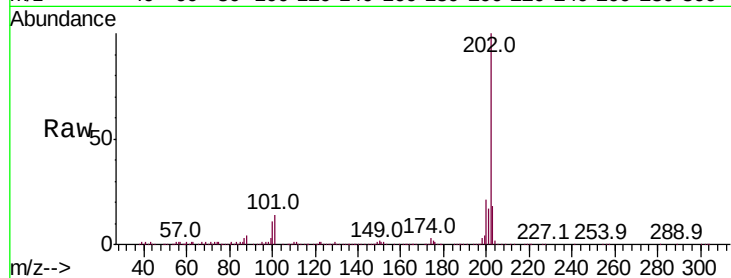
Tot Ion:202 Resp: 290138

Ion Ratio Lower Upper

202 100

200 20.6 19.2 28.8

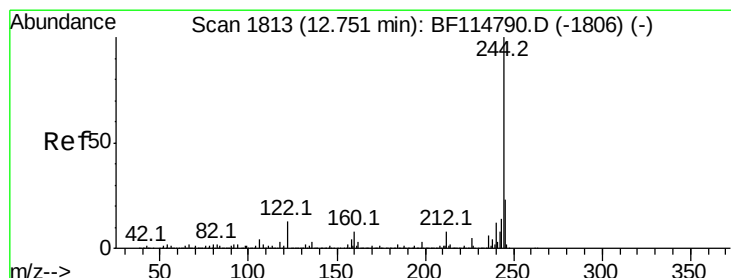
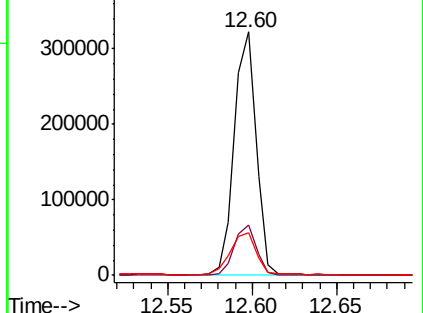
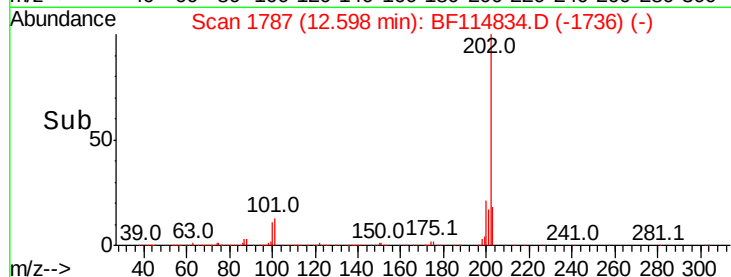
203 17.6 15.9 23.9



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: 44.961 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

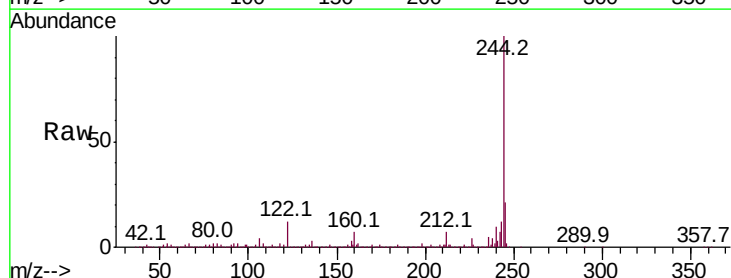
Tgt Ion:244 Resp: 1982620

Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

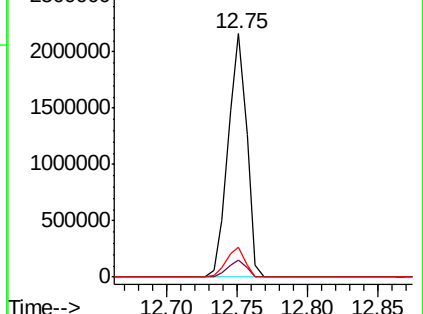
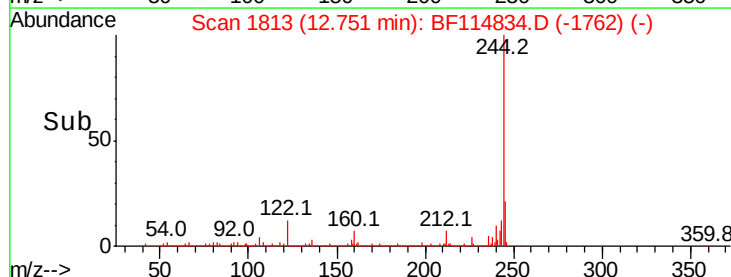
122 12.2 10.5 15.7

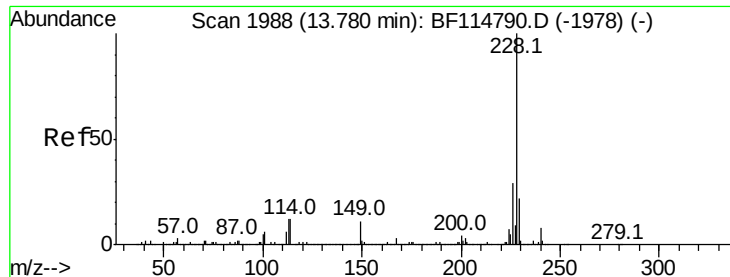


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

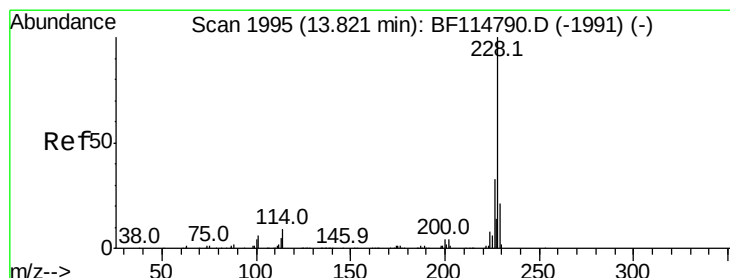
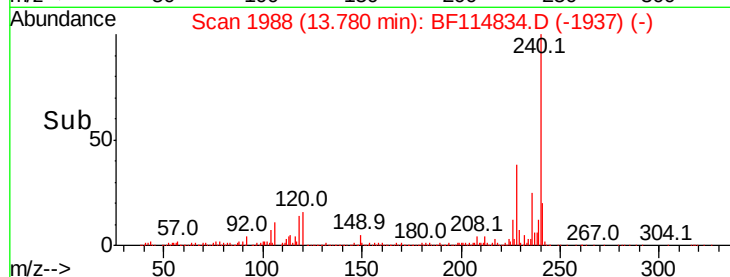
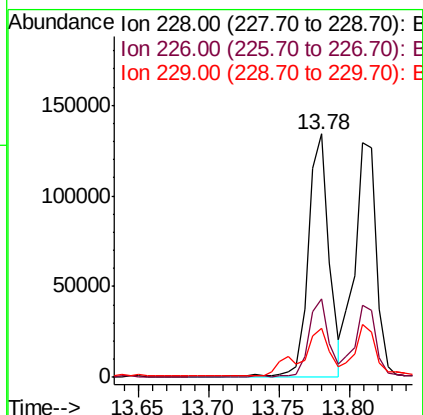
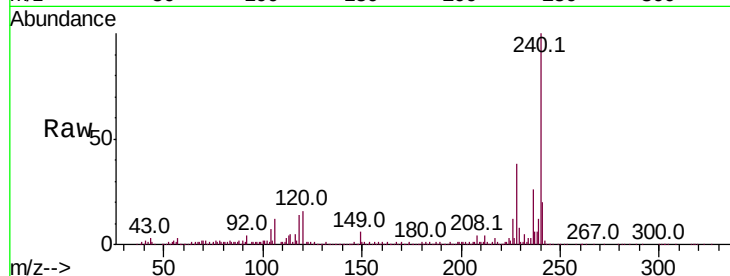




#81
Benzo(a)anthracene
Concen: 2.070 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.00 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

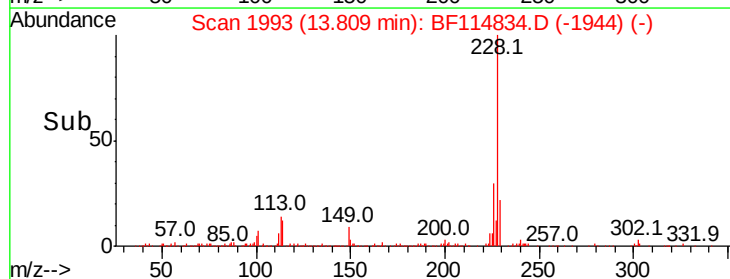
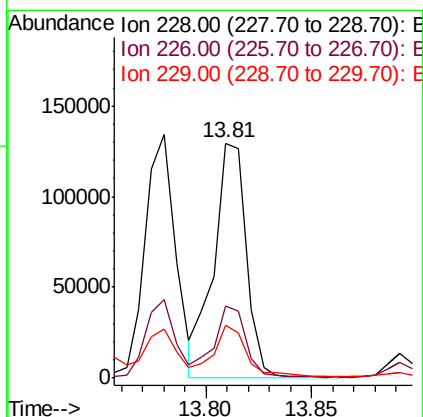
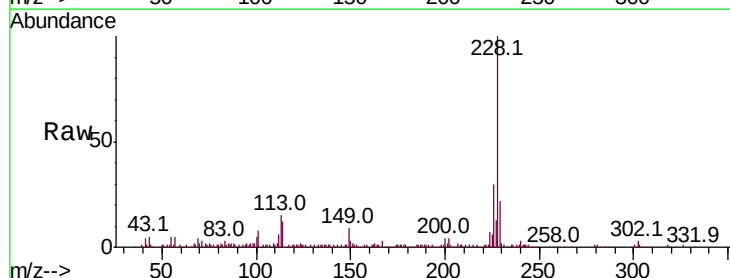
Instrument :
BNA_F
ClientSampleId :

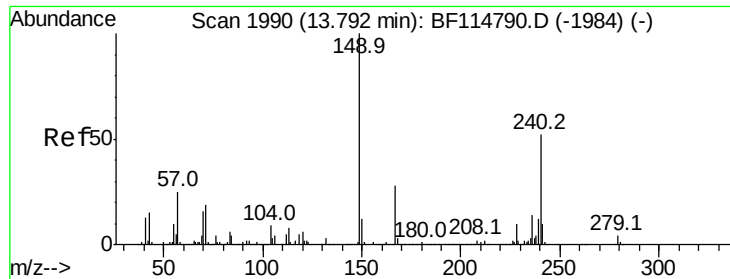
Tot Ion:228 Resp: 136778
Ion Ratio Lower Upper
228 100
226 32.2 23.4 35.2
229 20.0 17.4 26.0



#83
Chrysene
Concen: 2.172 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

Tgt Ion:228 Resp: 139600
Ion Ratio Lower Upper
228 100
226 30.5 26.0 39.0
229 22.5 17.1 25.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.753 ng

RT: 13.80 min Scan# 1991

Delta R.T. 0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

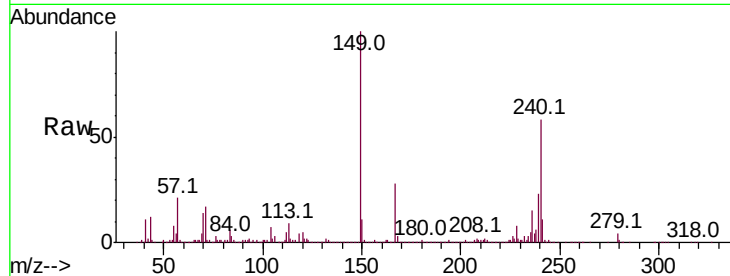
Instrument :

BNA_F

ClientSampleId :

Tot Ion:149 Resp: 415800

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.7	34.1
279	4.4	3.1	4.7

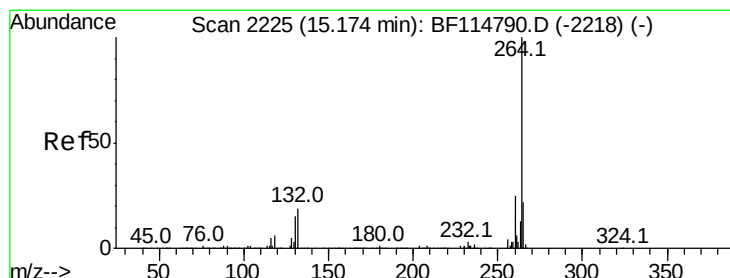
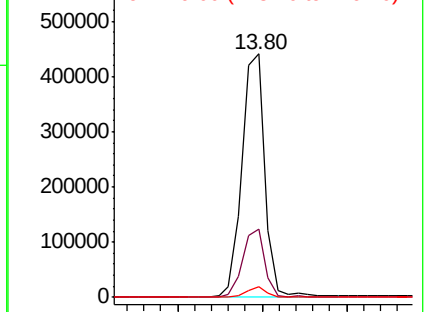
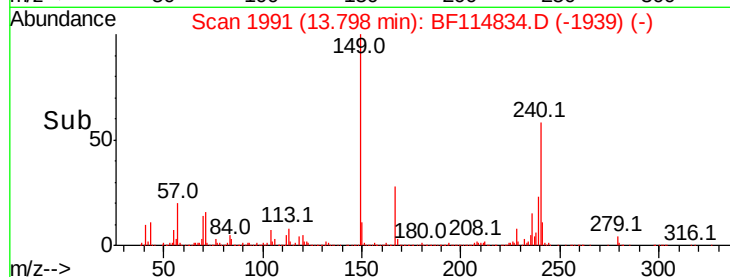


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.17 min Scan# 2225

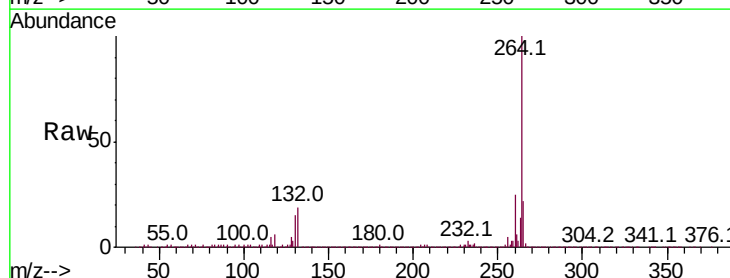
Delta R.T. -0.00 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Tgt Ion:264 Resp: 905596

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	22.2	17.7	26.5

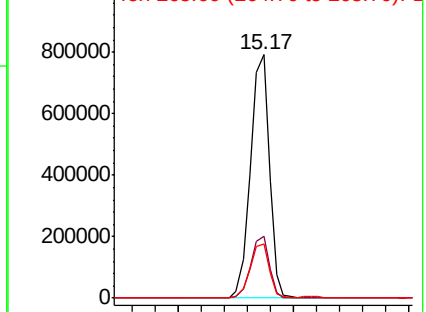
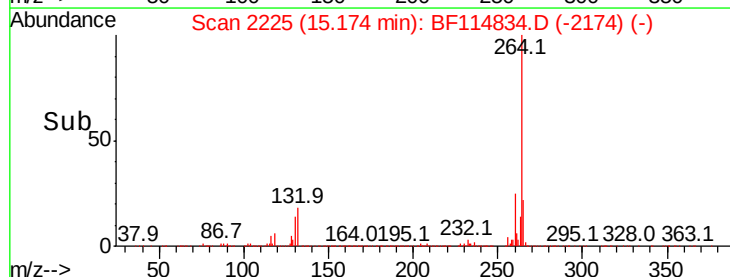


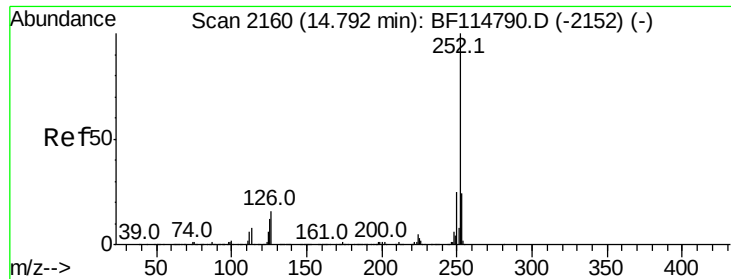
Abundance

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

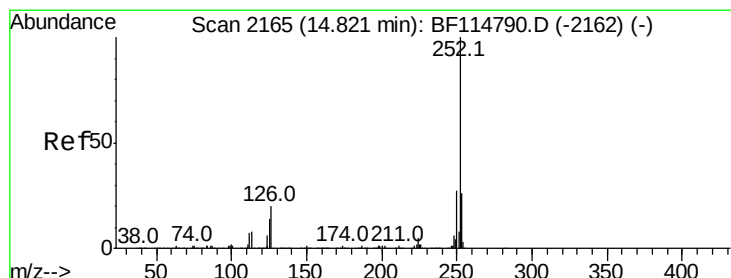
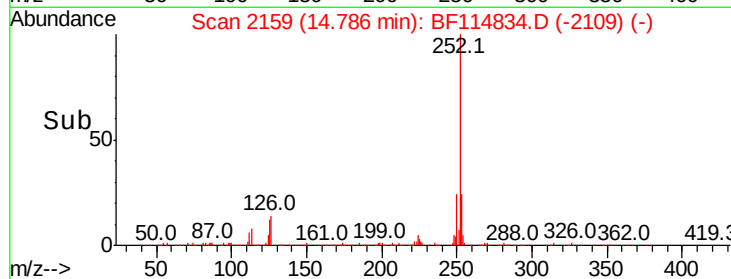
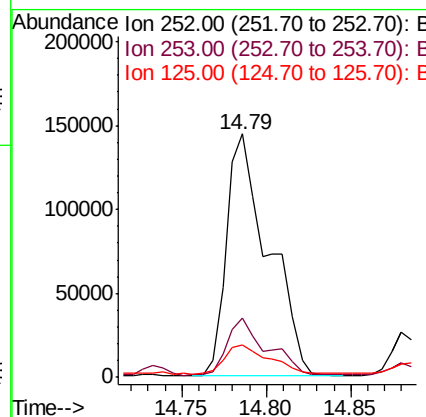
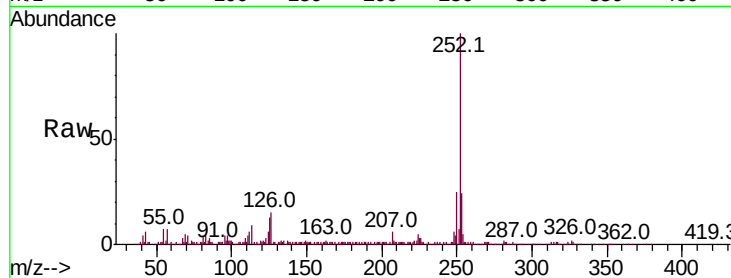




#88
Benzo(b)fluoranthene
Concen: 4.338 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

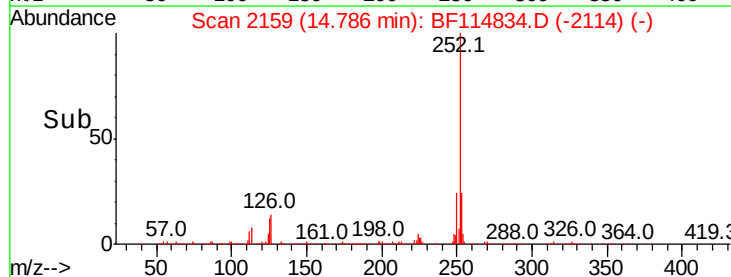
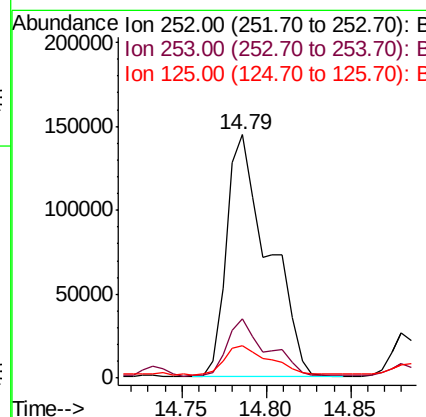
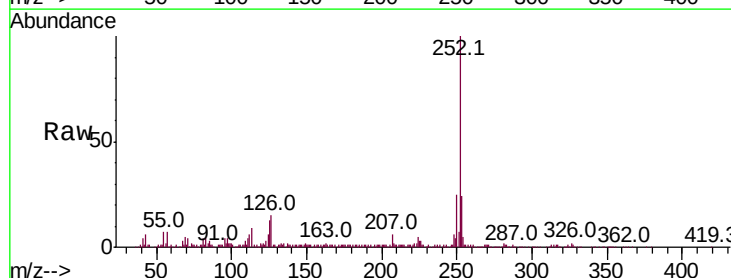
Instrument :
BNA_F
ClientSampleId :

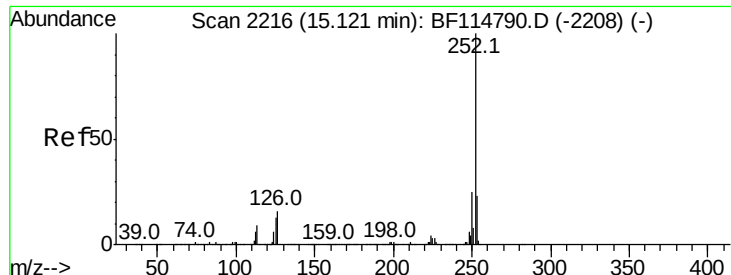
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.6
125	13.4	9.4	14.0



#89
Benzo(k)fluoranthene
Concen: 5.109 ng
RT: 14.79 min Scan# 2159
Delta R.T. -0.04 min
Lab File: BF114834.D
Acq: 5 Jun 2019 22:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.3	28.9
125	13.4	10.1	15.1





#90

Benzo(a)pyrene

Concen: 2.349 ng

RT: 15.11 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BF114834.D

Acq: 5 Jun 2019 22:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 117213

Ion Ratio Lower Upper

252 100

253 22.9 18.5 27.7

125 15.5 10.1 15.1#

