

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021119\
 Data File : BF112479.D
 Acq On : 11 Feb 2019 14:34
 Operator : JU/SJ
 Sample : K1452-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 11 16:50:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	159364	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	635460	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	322514	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	631050	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	453176	20.00	ng	0.00
87) Perylene-d12	15.47	264	380078	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1200118	159.96	ng	0.00
7) Phenol-d6	6.49	99	1530981	146.85	ng	0.00
23) Nitrobenzene-d5	7.40	82	979547	88.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	538813	143.53	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1814230	79.56	ng	-0.02
79) Terphenyl-d14	12.94	244	1875718	77.96	ng	0.00

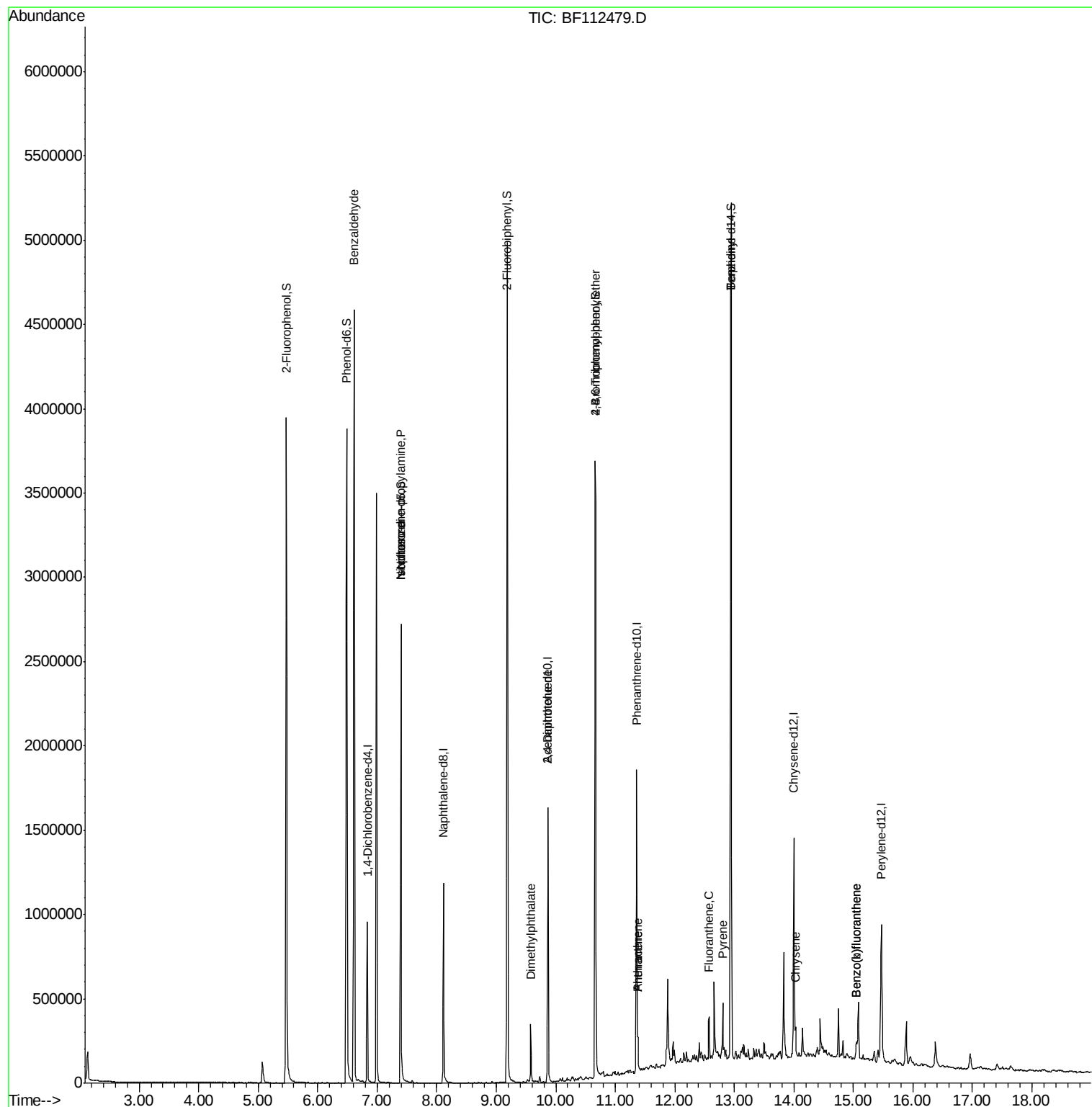
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.61	77	31090	5.705	ng	82
19) n-Nitroso-di-n-propylamine	7.40	70	133456	18.564	ng	# 77
25) Isophorone	7.40	82	979536	56.616	ng	# 64
50) Dimethylphthalate	9.58	163	147661	5.893	ng	97
57) 2,4-Dinitrotoluene	9.87	165	42088	5.891	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	33433	4.505	ng	# 1
71) Phenanthrene	11.38	178	73251	2.233	ng	94
72) Anthracene	11.38	178	73251	2.241	ng	95
75) Fluoranthene	12.57	202	97093	2.759	ng	99
77) Benzidine	12.94	184	27025	2.167	ng	98
78) Pyrene	12.80	202	122676	3.910	ng	99
83) Chrysene	14.03	228	51816	2.038	ng	98
88) Benzo(b)fluoranthene	15.05	252	66644	2.932	ng	# 95
89) Benzo(k)fluoranthene	15.05	252	66644	3.061	ng	# 95

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

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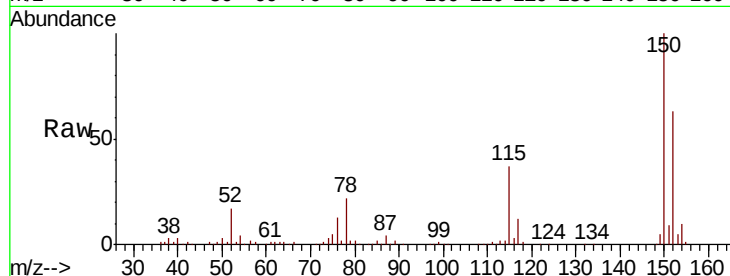


#1

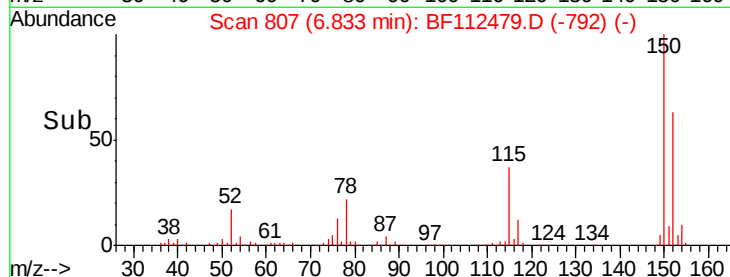
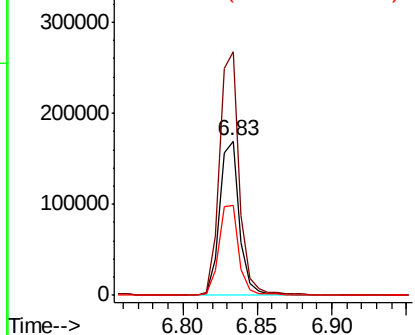
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 159364
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.0
115 58.3 45.5 68.3



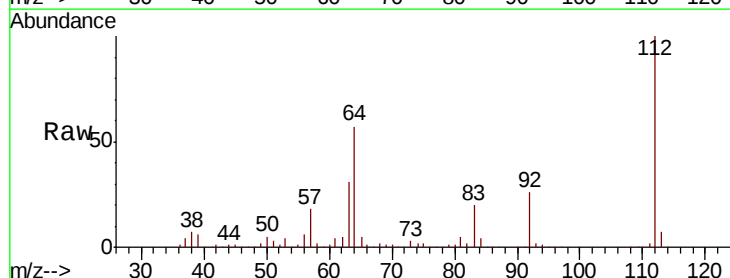
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



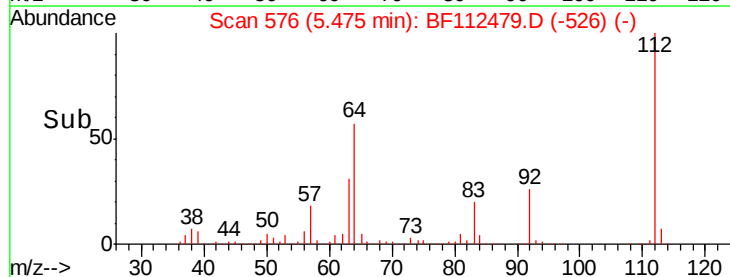
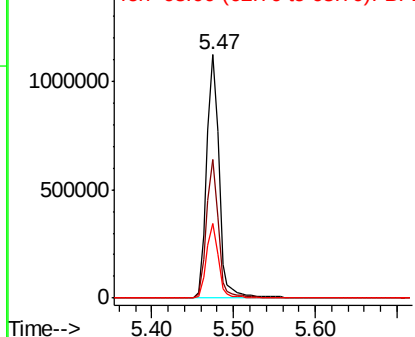
#5

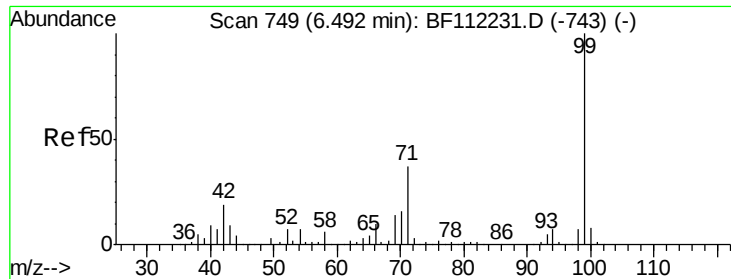
2-Fluorophenol
Concen: 159.956 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion:112 Resp: 1200118
Ion Ratio Lower Upper
112 100
64 57.2 45.7 68.5
63 30.9 23.6 35.4



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: 146.850 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112479.D

Acq: 11 Feb 2019 14:34

Instrument :

BNA_F

ClientSampleId :

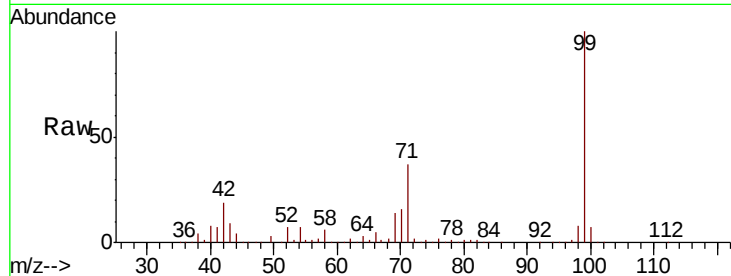
Tot Ion: 99 Resp: 1530981

Ion Ratio Lower Upper

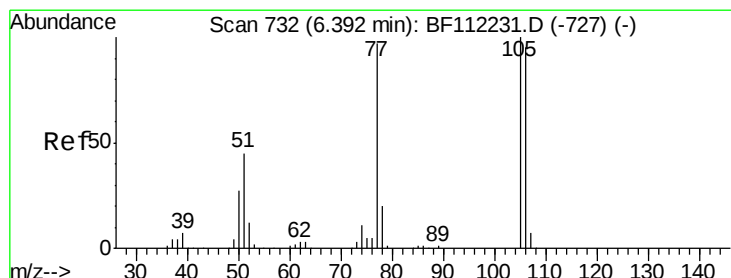
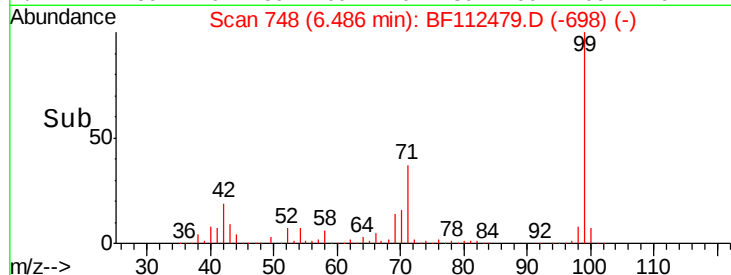
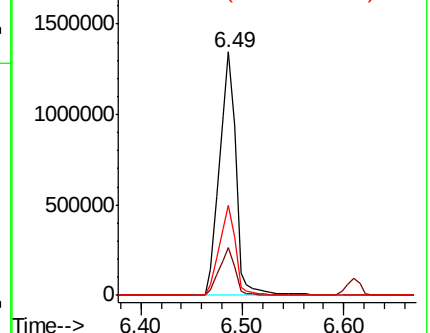
99 100

42 19.4 15.1 22.7

71 36.8 26.9 40.3



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



#9

Benzaldehyde

Concen: 5.705 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112479.D

Acq: 11 Feb 2019 14:34

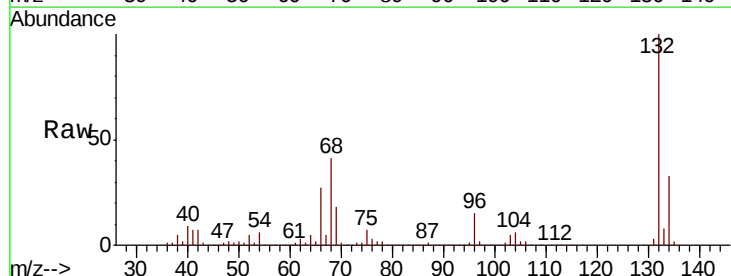
Tgt Ion: 77 Resp: 31090

Ion Ratio Lower Upper

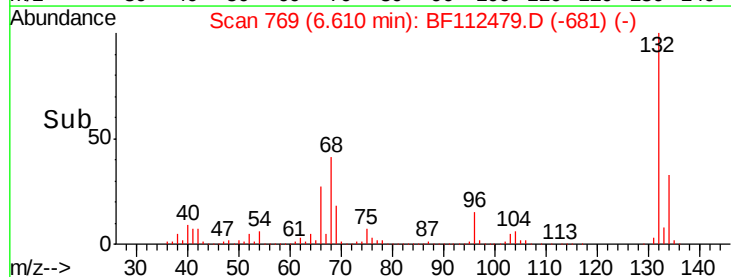
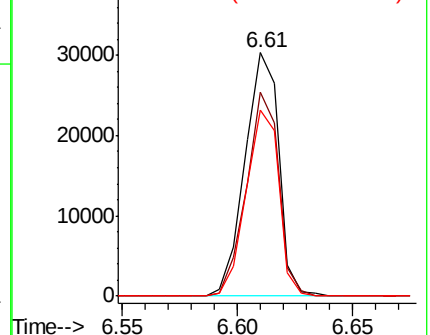
77 100

105 83.5 80.8 120.8

106 76.3 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

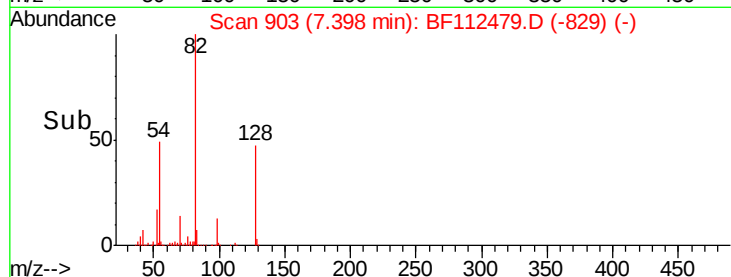
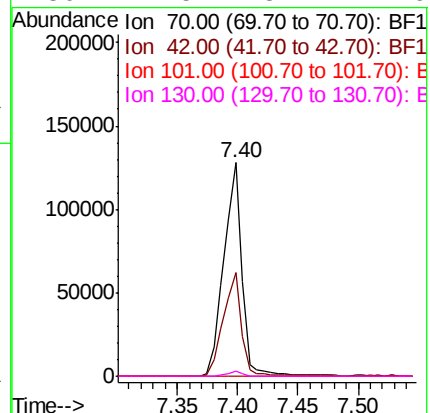
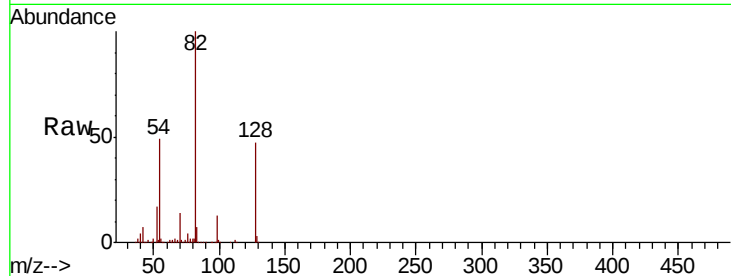




#19
n-Nitroso-di-n-propylamine
Concen: 18.564 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

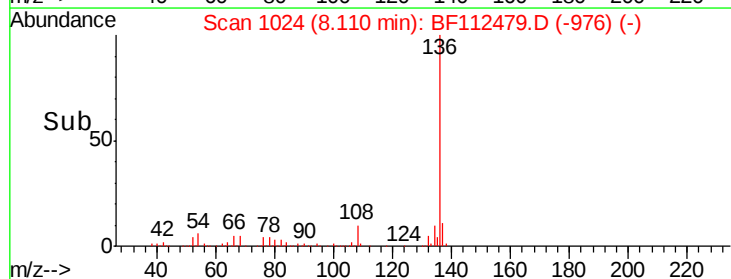
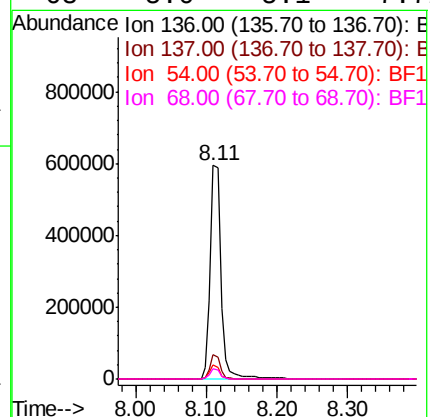
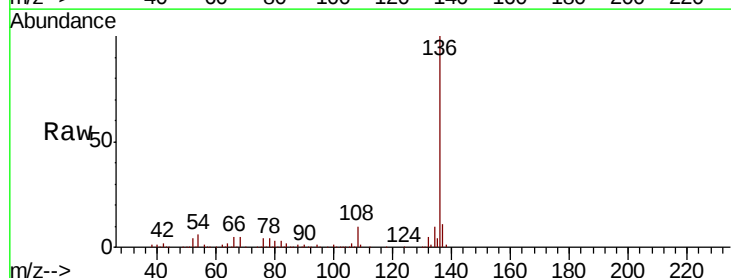
Instrument :
BNA_F
ClientSampleId :

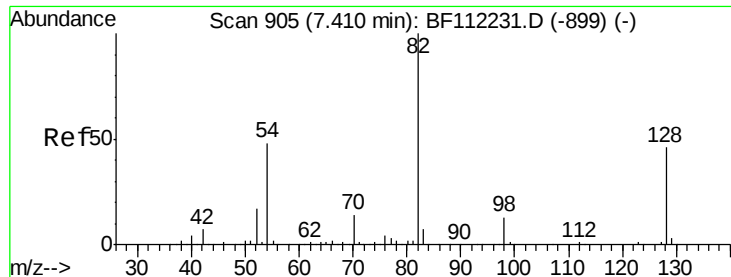
Tot Ion	Ratio	Lower	Upper
70	100		
42	48.6	47.6	71.4
101	0.0	7.9	11.9#
130	2.5	18.4	27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.5	5.9	8.9
68	5.0	5.1	7.7#

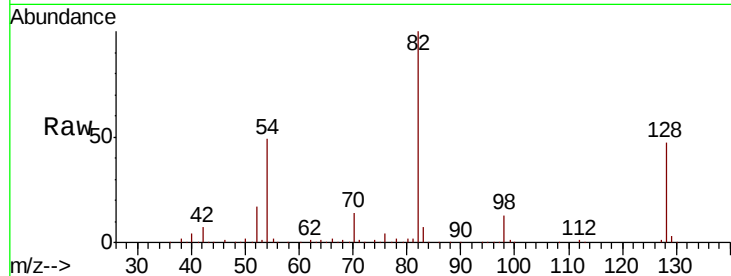




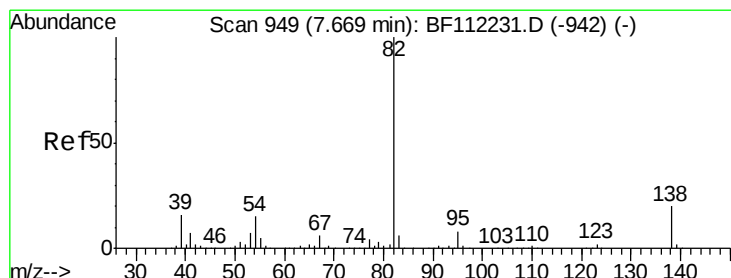
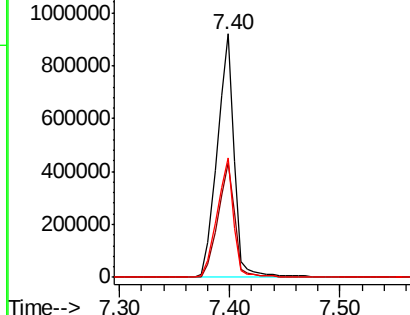
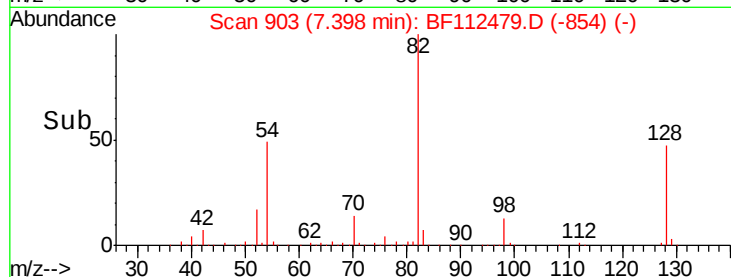
#23
Nitrobenzene-d5
Concen: 88.820 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	979547
Ion Ratio	100	Lower	Upper
128	46.8	37.8	56.8
54	49.2	39.7	59.5

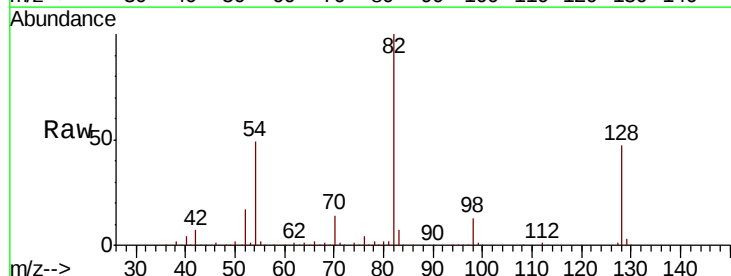


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

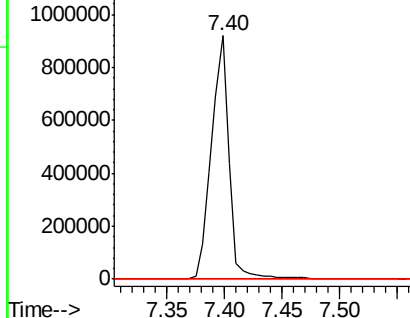
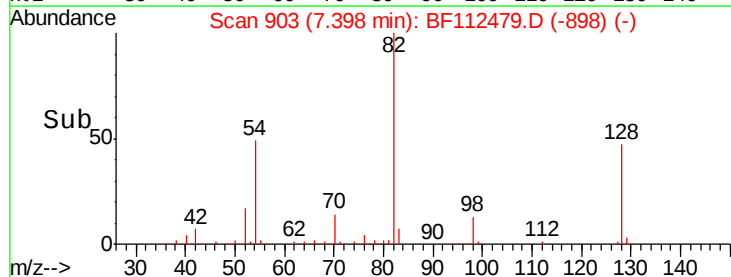


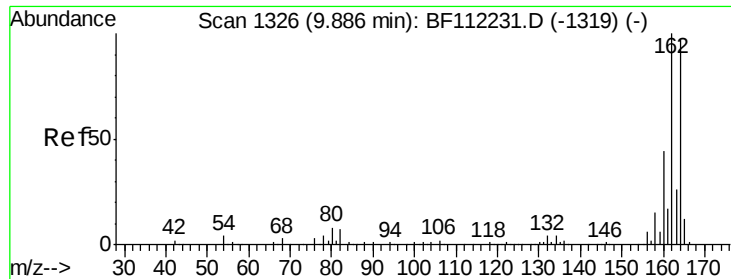
#25
Isophorone
Concen: 56.616 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion	82	Resp	979536
Ion Ratio	100	Lower	Upper
95	0.0	5.7	8.5#
138	0.0	15.4	23.0#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112479.D

Acq: 11 Feb 2019 14:34

Instrument :

BNA_F

ClientSampled :

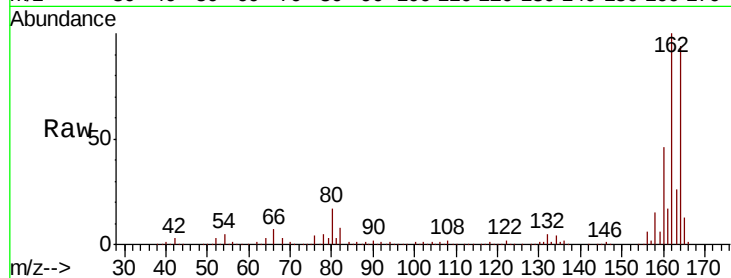
Tot Ion:164 Resp: 322514

Ion Ratio Lower Upper

164 100

162 106.4 82.2 123.4

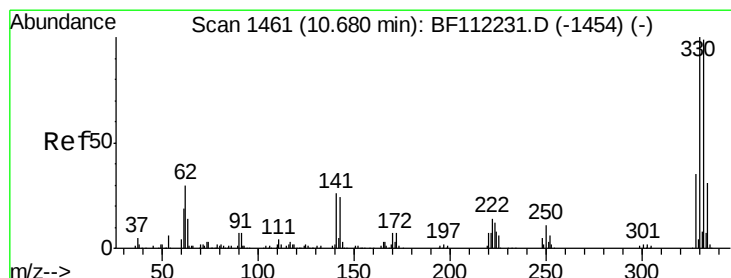
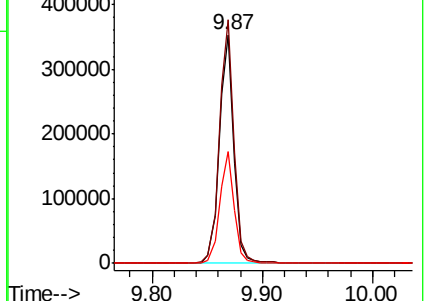
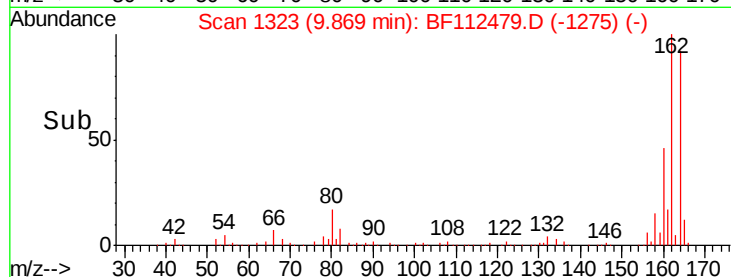
160 48.8 36.2 54.4



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: 143.531 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112479.D

Acq: 11 Feb 2019 14:34

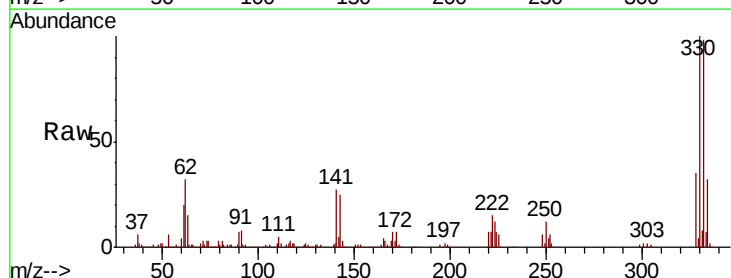
Tgt Ion:330 Resp: 538813

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

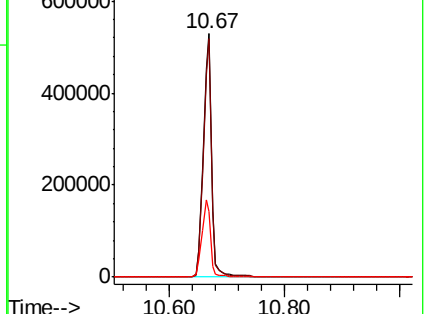
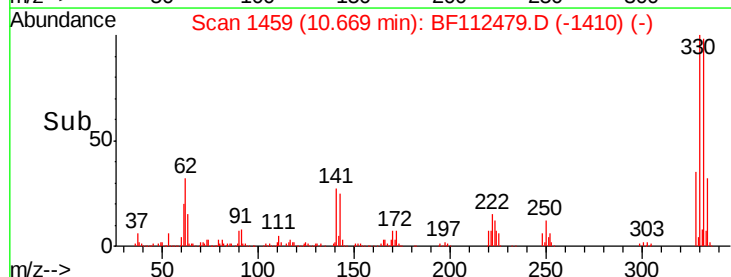
141 33.4 24.3 36.5



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

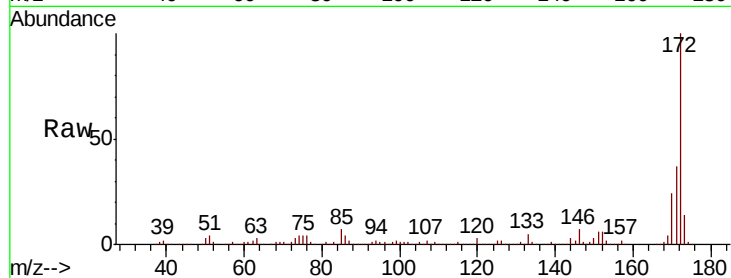




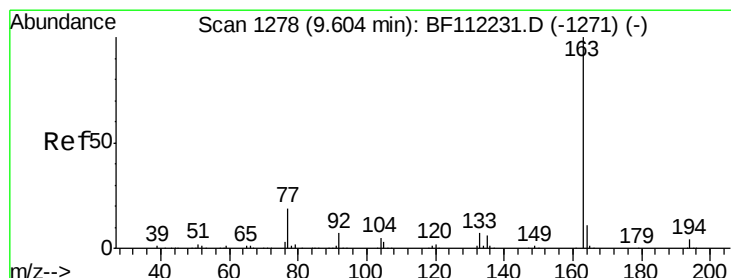
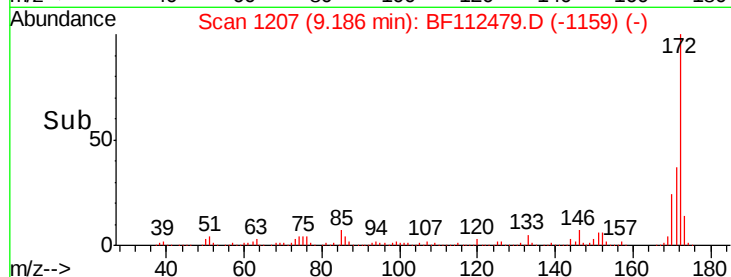
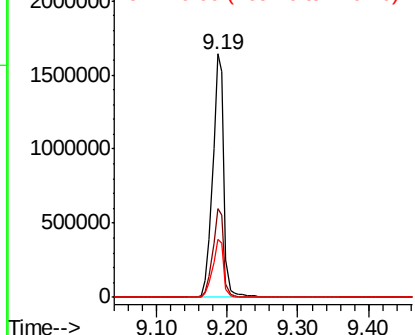
#45
2-Fluorobiphenyl
Concen: 79.560 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1814230
Ion Ratio Lower Upper
172 100
171 36.7 30.5 45.7
170 24.0 20.2 30.4

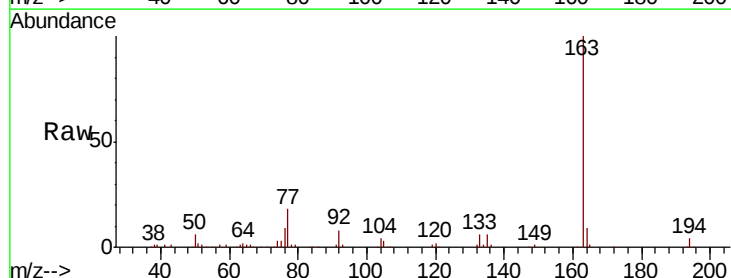


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

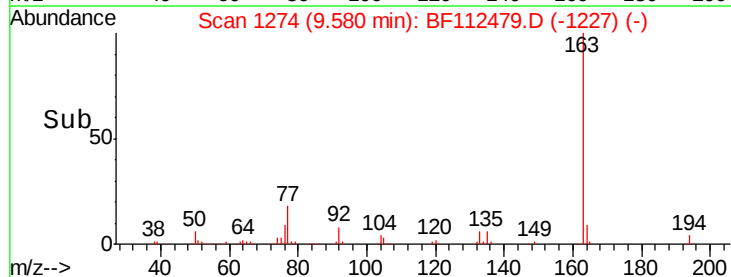
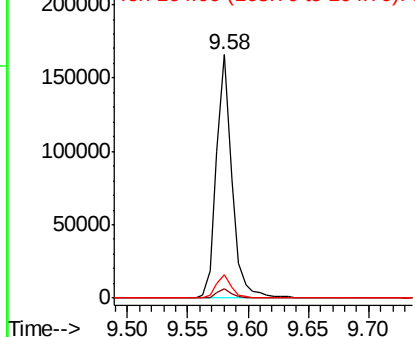


#50
Dimethylphthalate
Concen: 5.893 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion:163 Resp: 147661
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 9.4 8.5 12.7



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

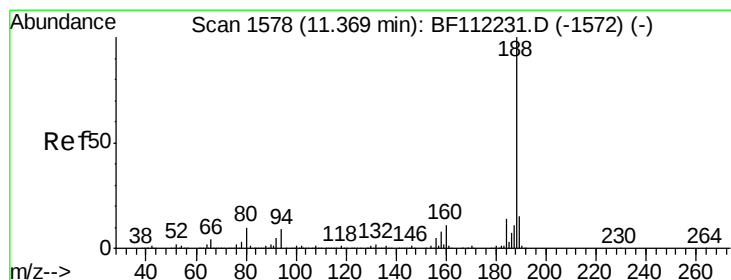
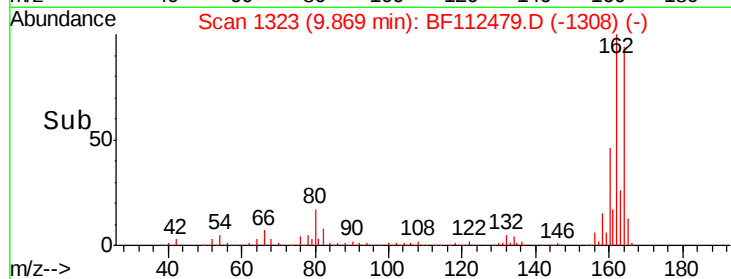
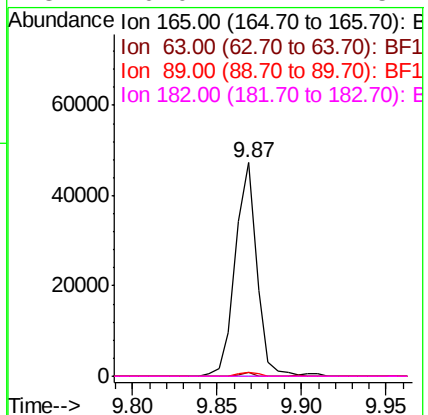
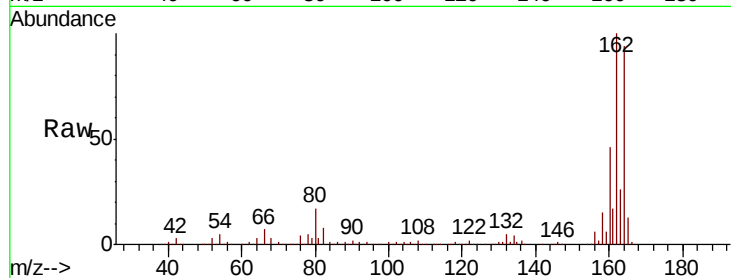




#57
 2,4-Dinitrotoluene
 Concen: 5.891 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112479.D
 Acq: 11 Feb 2019 14:34

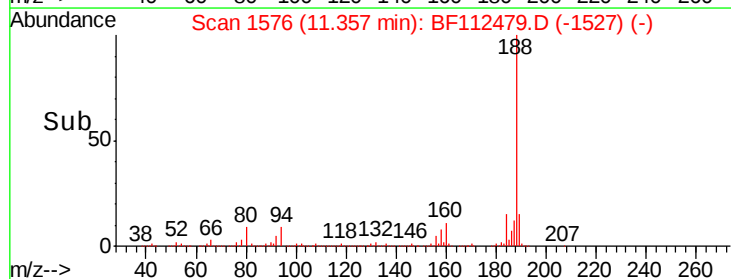
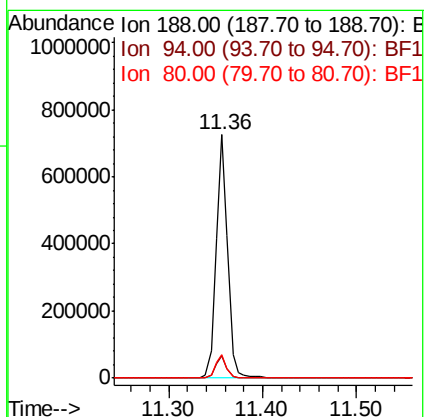
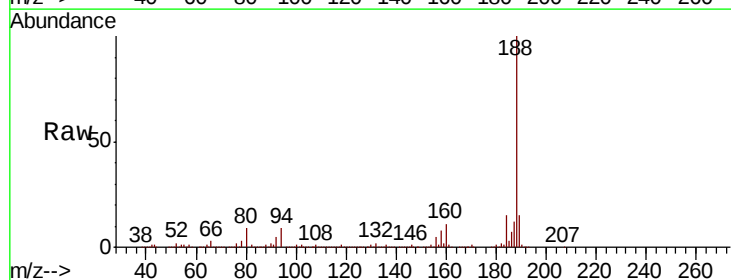
Instrument :
 BNA_F
 ClientSampleId :

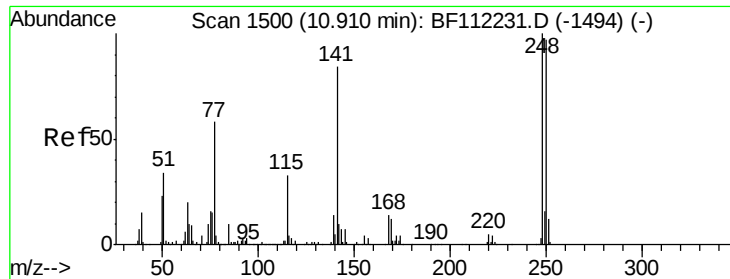
Tot Ion:	165	Resp:	42088
Ion	Ratio	Lower	Upper
165	100		
63	1.7	27.9	41.9#
89	1.8	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112479.D
 Acq: 11 Feb 2019 14:34

Tgt Ion:	188	Resp:	631050
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.5	8.9	13.3

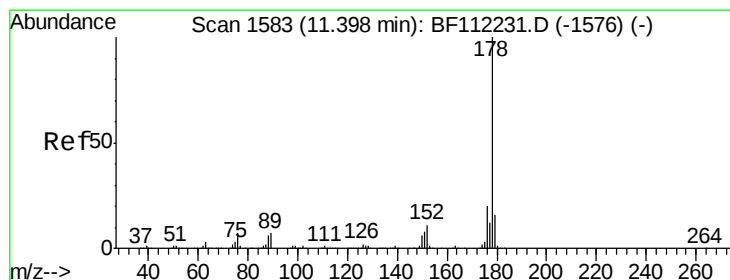
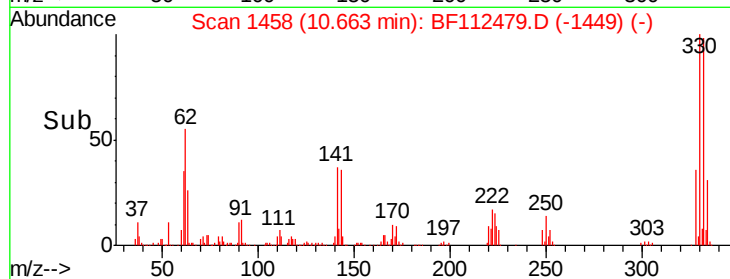
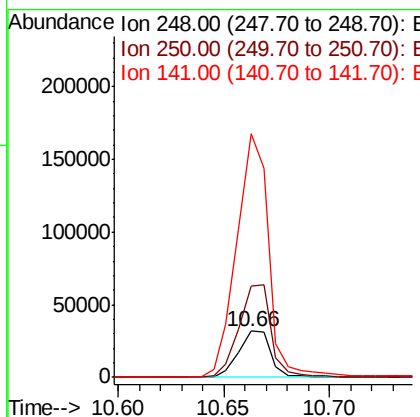
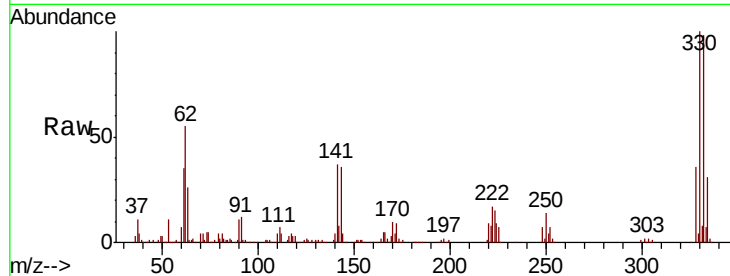




#67
 4-Bromophenyl-phenylether
 Concen: 4.505 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112479.D
 Acq: 11 Feb 2019 14:34

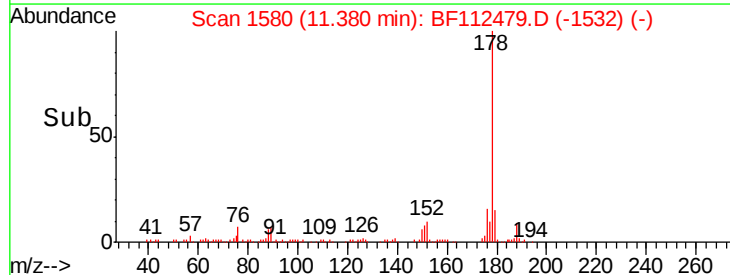
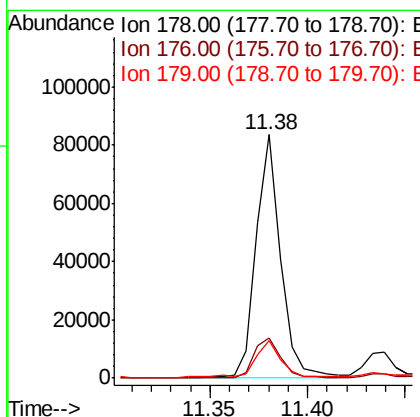
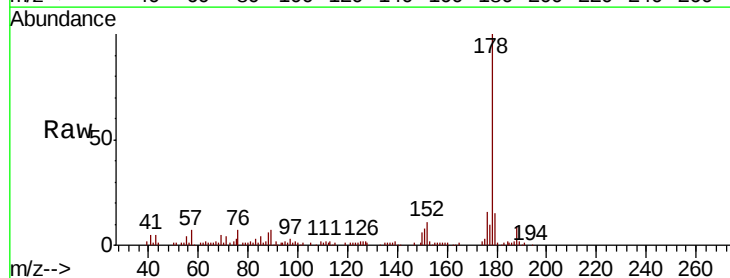
Instrument :
 BNA_F
 ClientSampleId :

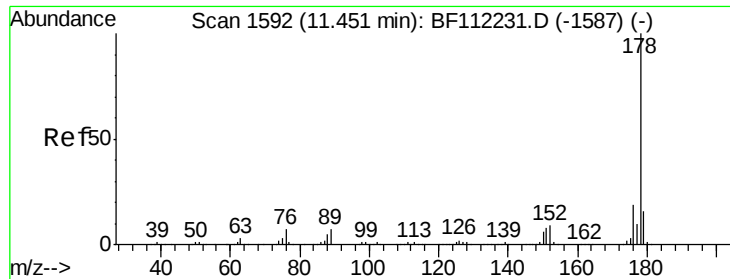
Tot Ion:248 Resp: 33433
 Ion Ratio Lower Upper
 248 100
 250 196.4 79.7 119.5#
 141 527.4 60.3 90.5#



#71
 Phenanthrene
 Concen: 2.233 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112479.D
 Acq: 11 Feb 2019 14:34

Tgt Ion:178 Resp: 73251
 Ion Ratio Lower Upper
 178 100
 176 16.4 16.3 24.5
 179 15.2 13.0 19.4





#72

Anthracene

Concen: 2.241 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.07 min

Lab File: BF112479.D

Acq: 11 Feb 2019 14:34

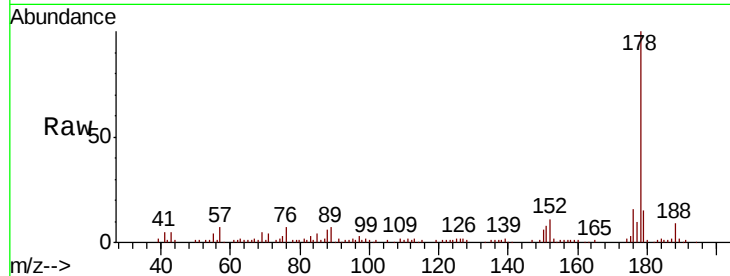
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 73251

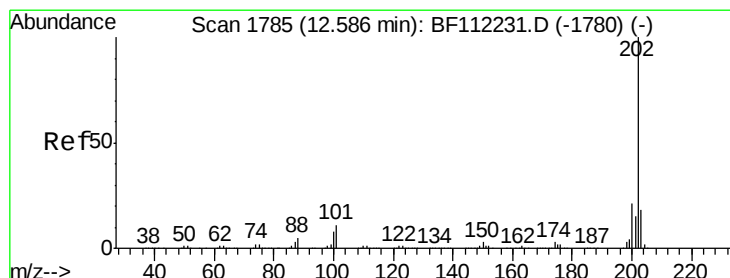
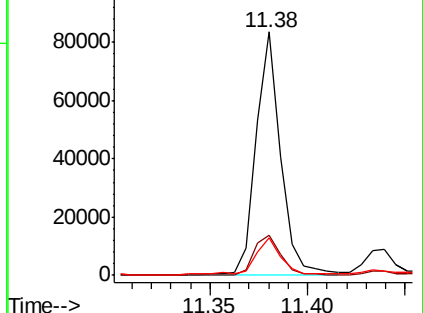
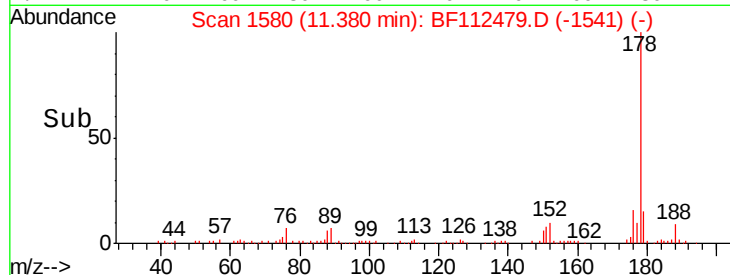
Ion	Ratio	Lower	Upper
178	100		
176	16.4	15.5	23.3
179	15.2	12.8	19.2



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: 2.759 ng

RT: 12.57 min Scan# 1783

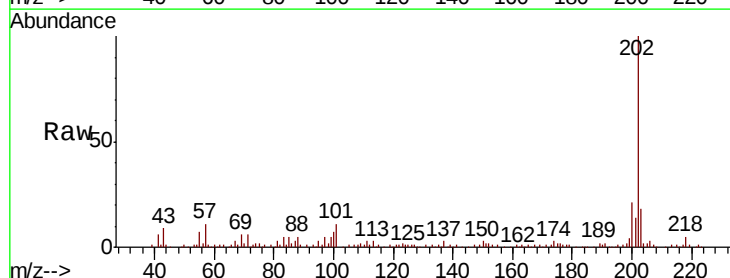
Delta R.T. -0.01 min

Lab File: BF112479.D

Acq: 11 Feb 2019 14:34

Tgt Ion:202 Resp: 97093

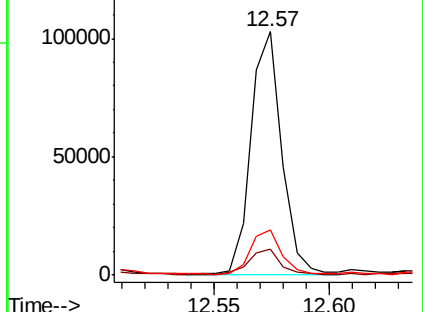
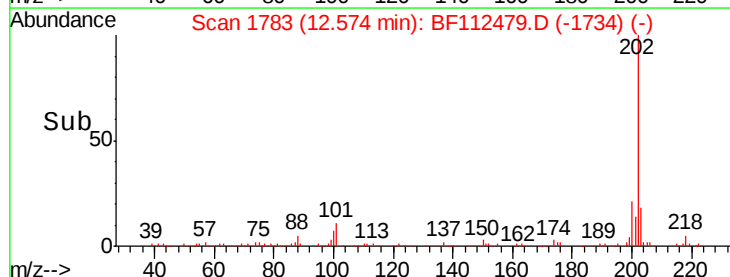
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.8
203	18.3	0.0	38.4

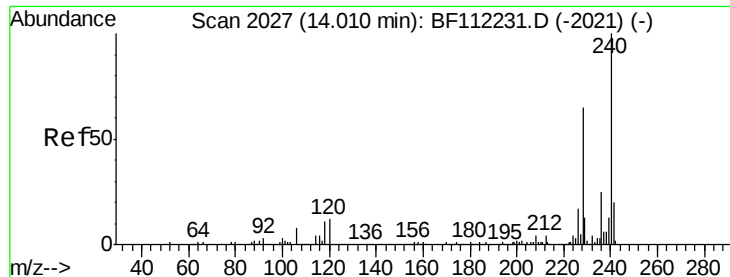


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

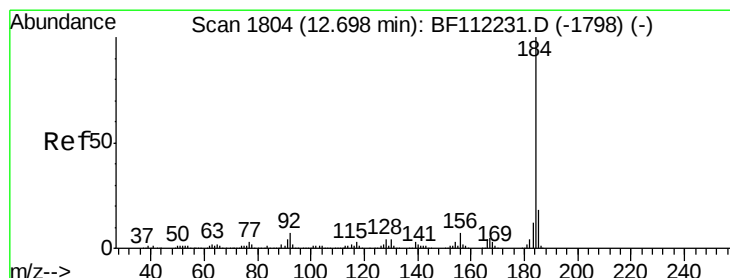
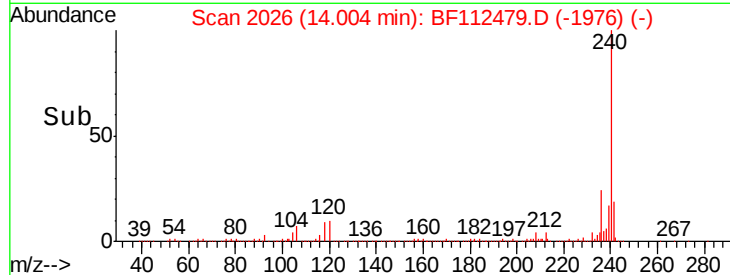
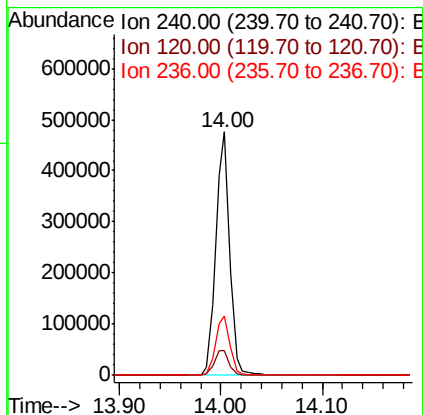
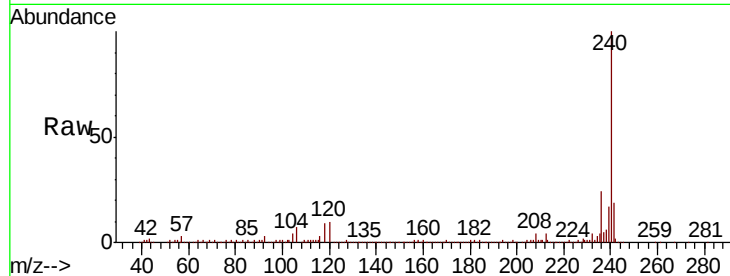




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF112479.D
 Acq: 11 Feb 2019 14:34

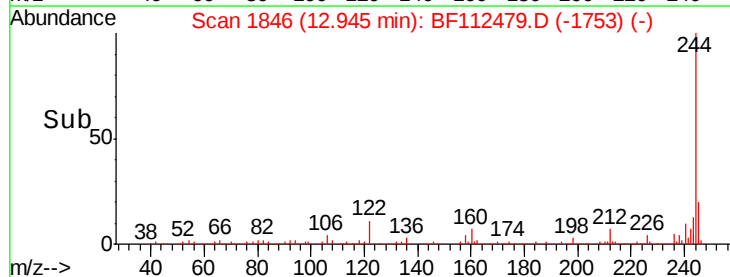
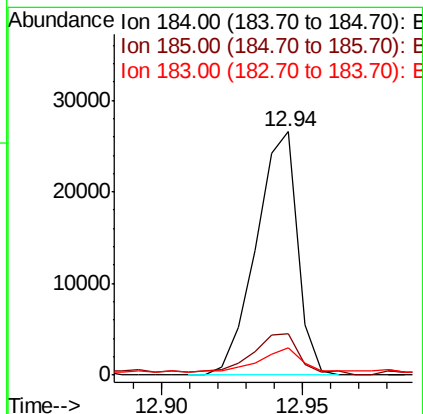
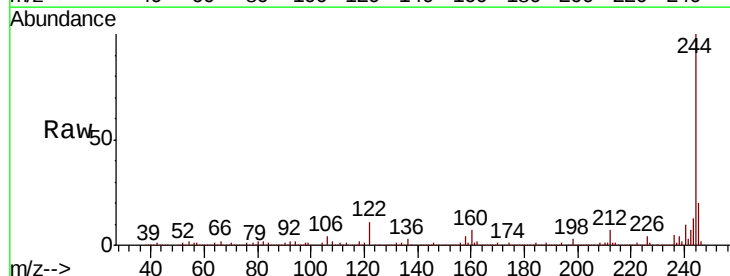
Instrument :
 BNA_F
 ClientSampleId :

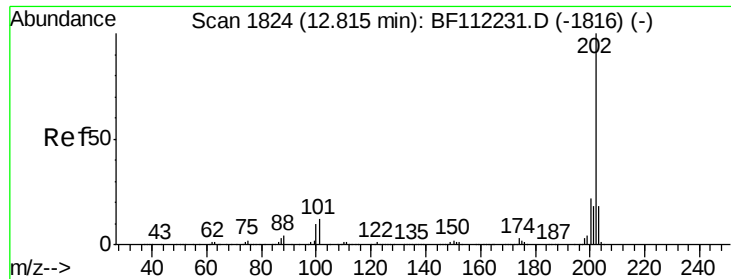
Tot Ion:240 Resp: 453176
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.0 13.6
 236 24.4 20.7 31.1



#77
 Benzidine
 Concen: 2.167 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.25 min
 Lab File: BF112479.D
 Acq: 11 Feb 2019 14:34

Tgt Ion:184 Resp: 27025
 Ion Ratio Lower Upper
 184 100
 185 17.0 13.9 20.9
 183 11.2 10.0 15.0

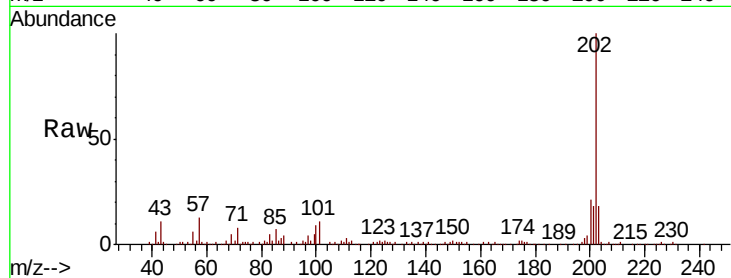




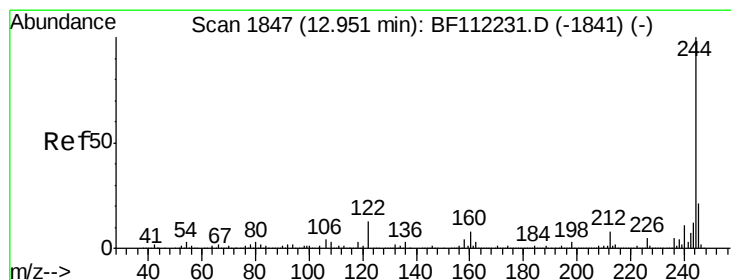
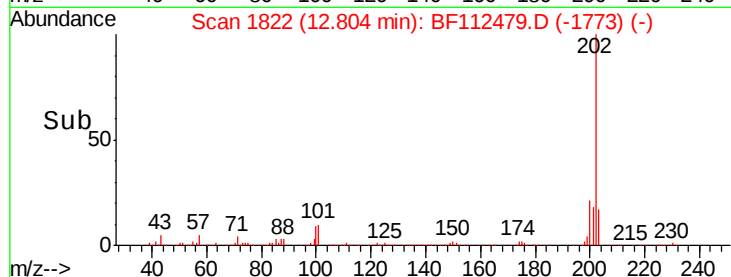
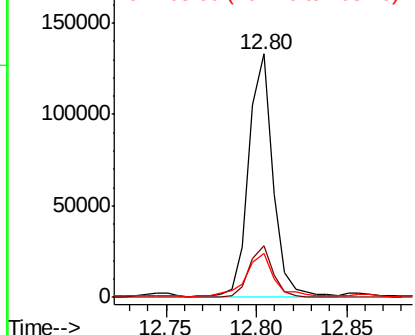
#78
Pvrene
Concen: 3.910 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 122676
Ion Ratio Lower Upper
202 100
200 21.1 17.7 26.5
203 18.0 14.6 22.0

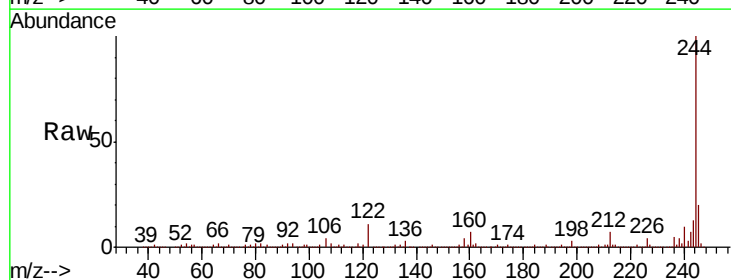


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

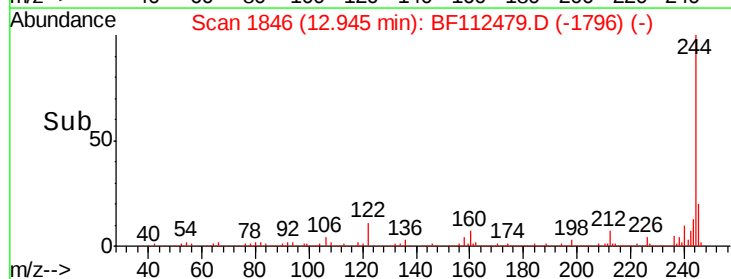
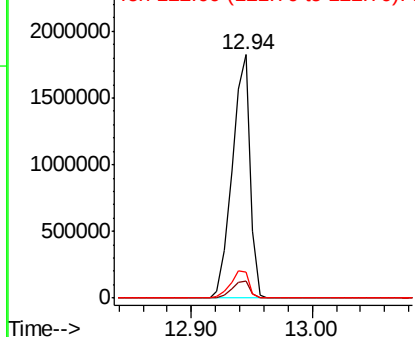


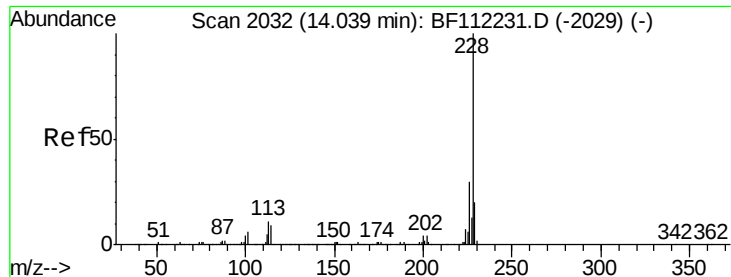
#79
Terphenyl-d14
Concen: 77.957 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion:244 Resp: 1875718
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 10.9 9.8 14.6



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

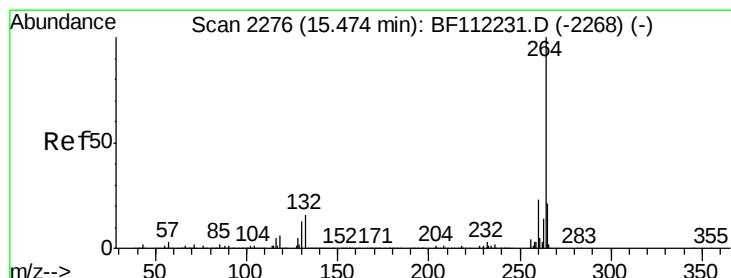
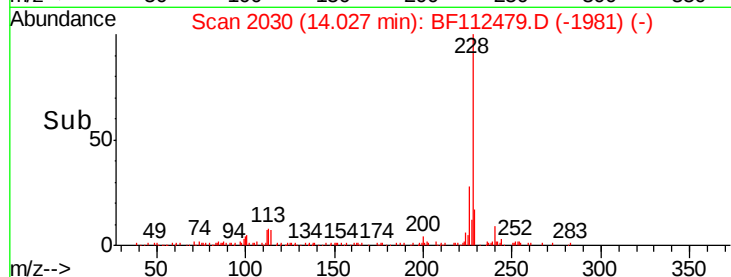
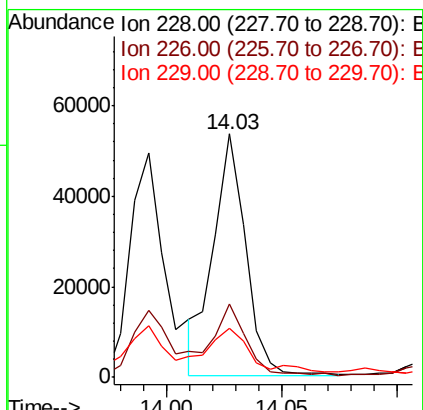
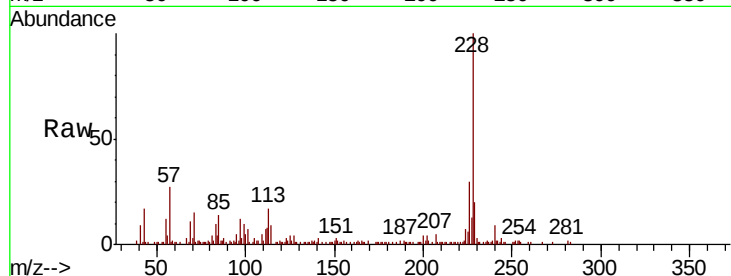




#83
Chrysene
Concen: 2.038 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

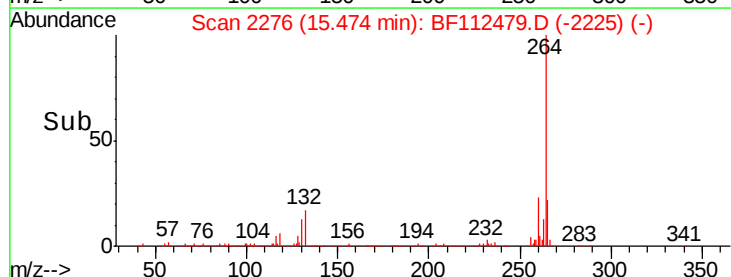
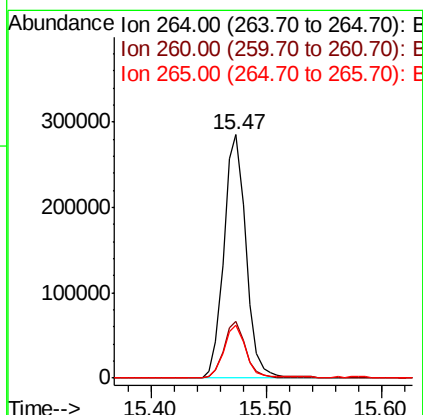
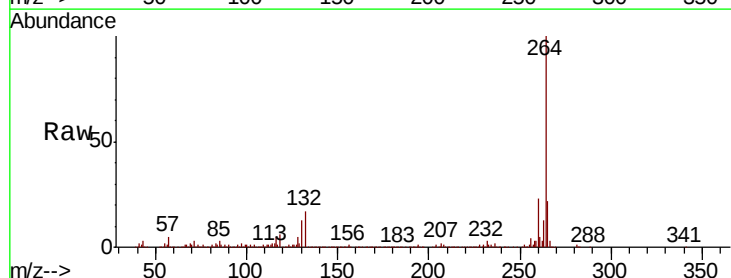
Instrument :
BNA_F
ClientSampleId :

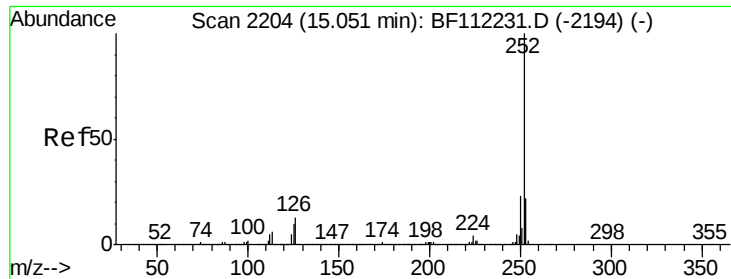
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	20.2	16.6	24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	21.9	17.0	25.4

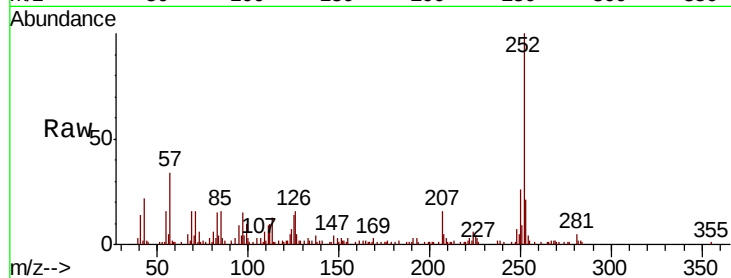




#88
Benzo(b)fluoranthene
Concen: 2.932 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.0	27.0
125	13.8	8.7	13.1#

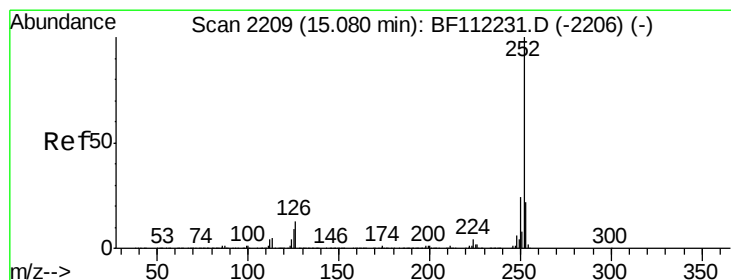
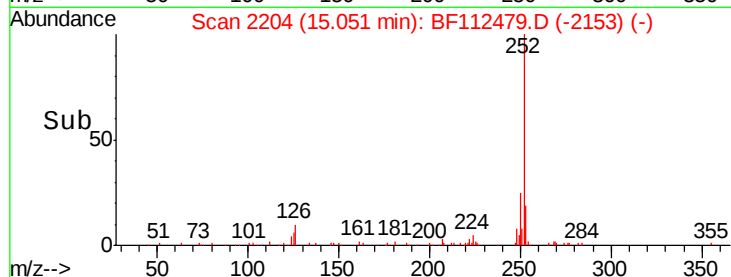
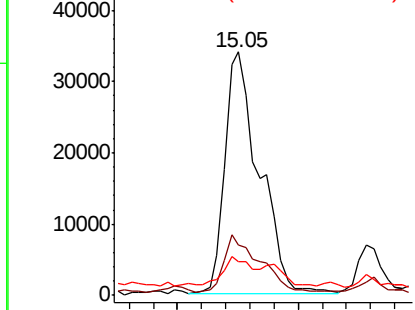


Abundance

Ion 252.00 (251.70 to 252.70): E

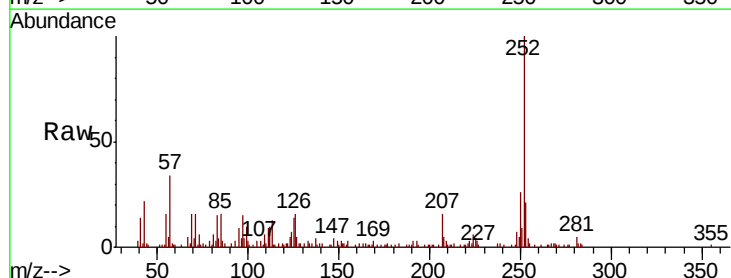
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 3.061 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF112479.D
Acq: 11 Feb 2019 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.0	27.0
125	13.8	9.1	13.7#



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

