

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098479.D
 Acq On : 13 Sep 2017 5:08
 Operator : SJ/JU
 Sample : I5186-01 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 284-GRAB

Quant Time: Sep 13 05:42:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	216495	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	813973	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	306960	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	484414	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	380993	20.00	ng	0.00
86) Perylene-d12	15.21	264	274703	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	446449	30.49	ng	-0.01
7) Phenol-d6	6.30	99	542391	29.17	ng	-0.02
23) Nitrobenzene-d5	7.23	82	307130	21.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	57943	28.28	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	516915	28.54	ng	-0.02
78) Terphenyl-d14	12.76	244	357534	20.26	ng	-0.01

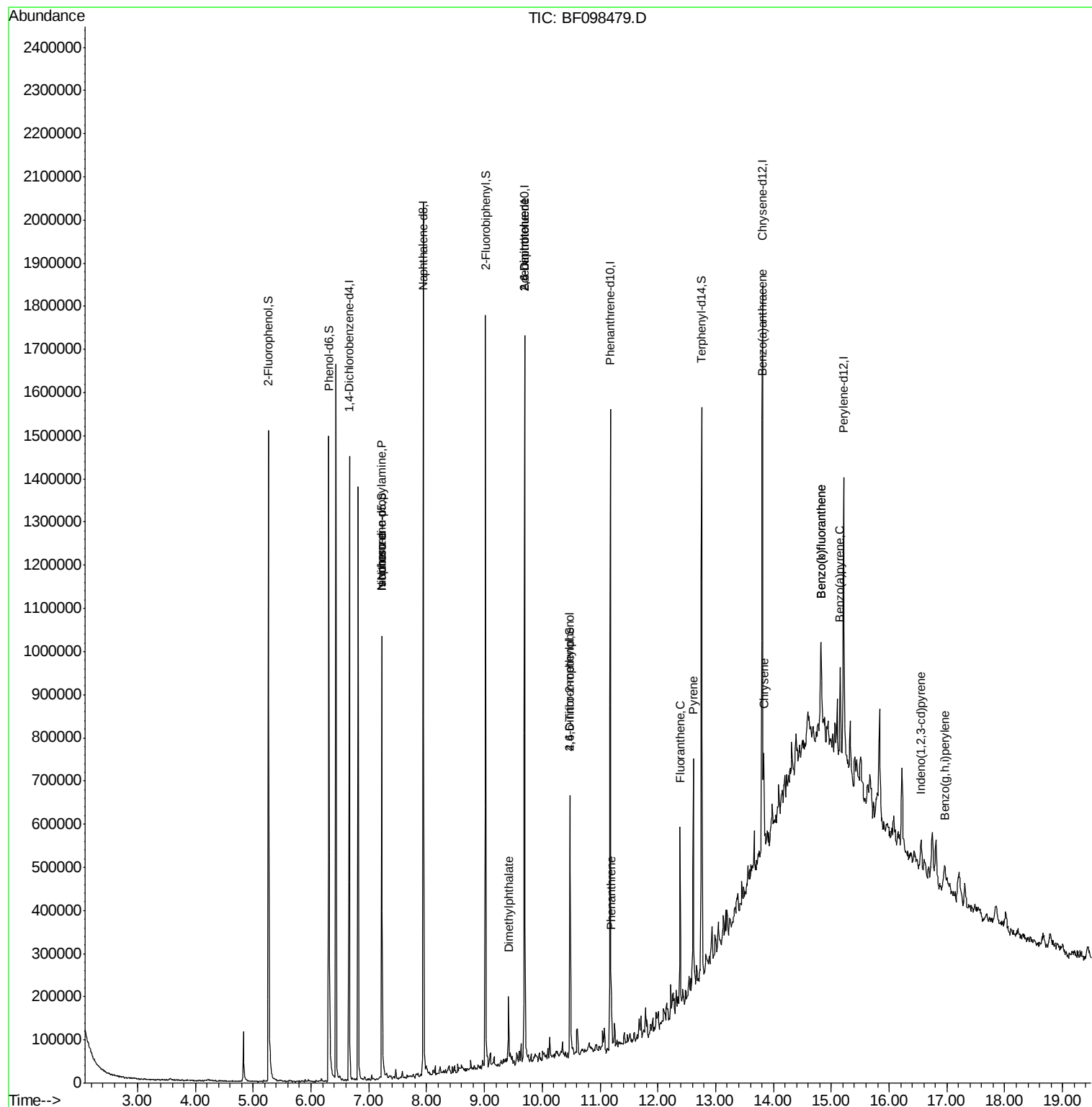
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	40862	3.494	ng	# 79
25) Isophorone	7.23	82	298050	10.089	ng	# 67
49) Dimethylphthalate	9.42	163	56310	2.370	ng	98
50) 2,6-Dinitrotoluene	9.69	165	40629	8.324	ng	# 34
56) 2,4-Dinitrotoluene	9.69	165	40629	6.847	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.48	198	114	4.999	ng	# 1
70) Phenanthrene	11.20	178	54268	2.113	ng	98
74) Fluoranthene	12.39	202	161095	6.266	ng	99
77) Pyrene	12.61	202	189893	6.318	ng	99
80) Benzo(a)anthracene	13.80	228	90741	4.062	ng	97
82) Chrysene	13.83	228	83282	3.688	ng	97
85) Indeno(1,2,3-cd)pyrene	16.56	276	37179	2.347	ng	95
87) Benzo(b)fluoranthene	14.82	252	129347	7.489	ng	# 83
88) Benzo(k)fluoranthene	14.82	252	129347	8.022	ng	# 87
89) Benzo(a)pyrene	15.16	252	67731	4.402	ng	# 86
91) Benzo(g,h,i)perylene	16.96	276	43937	3.902	ng	98

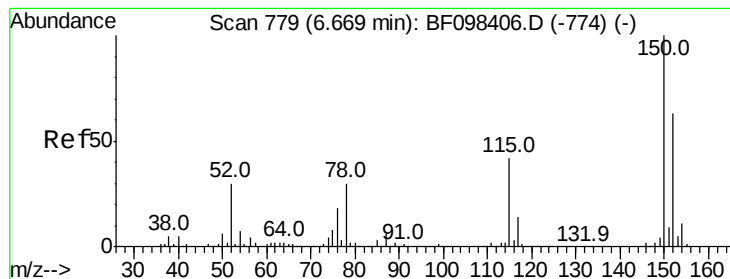
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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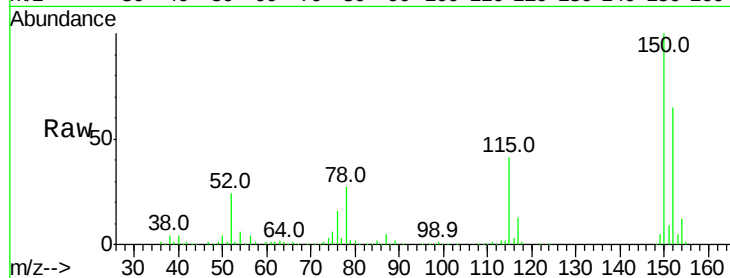


#1

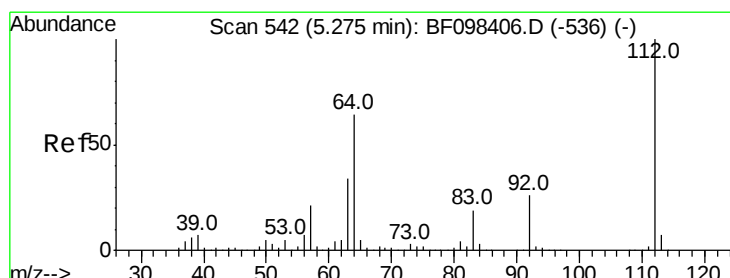
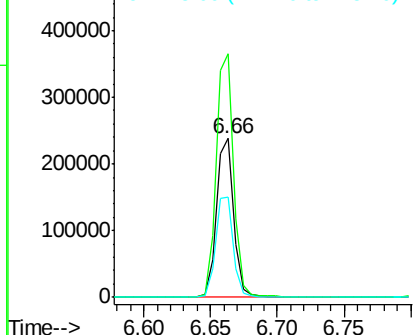
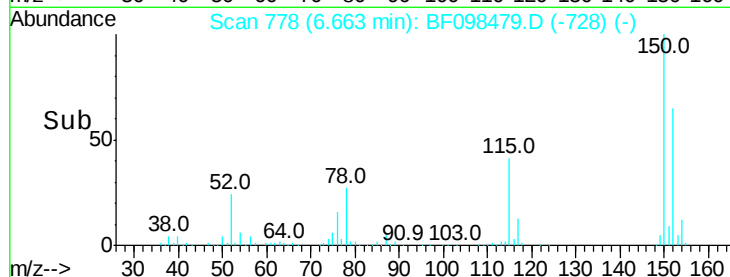
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	63.1	52.2	78.2



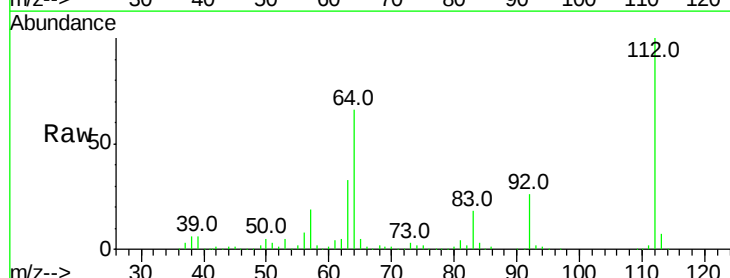
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



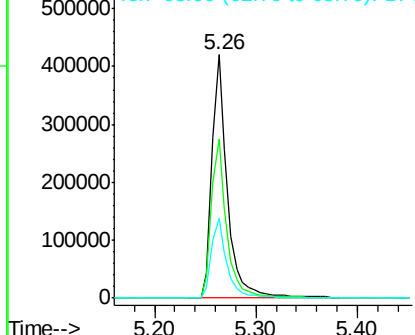
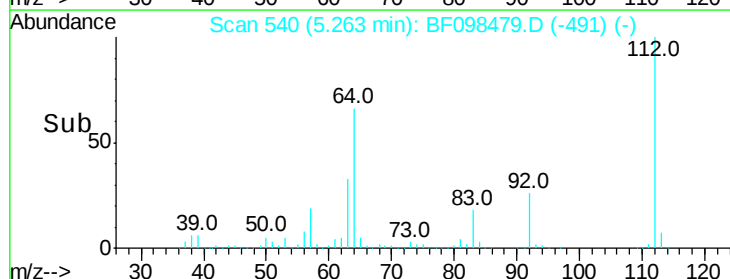
#5

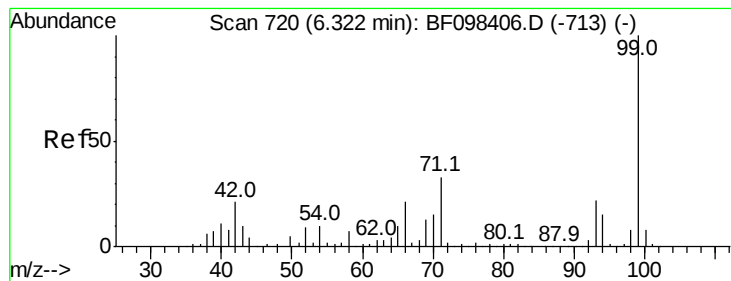
2-Fluorophenol
Concen: 30.490 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	32.6	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 29.175 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampleId :

284-GRAB

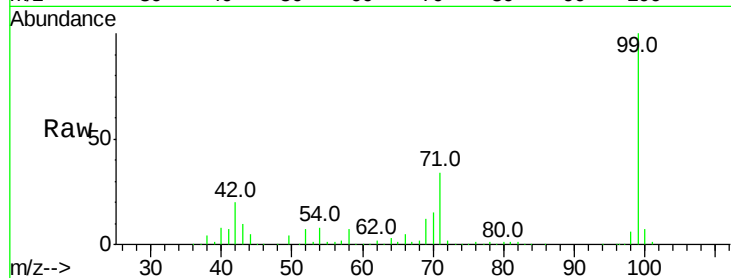
Tot Ion: 99 Resp: 542391

Ion Ratio Lower Upper

99 100

42 20.0 13.5 20.3

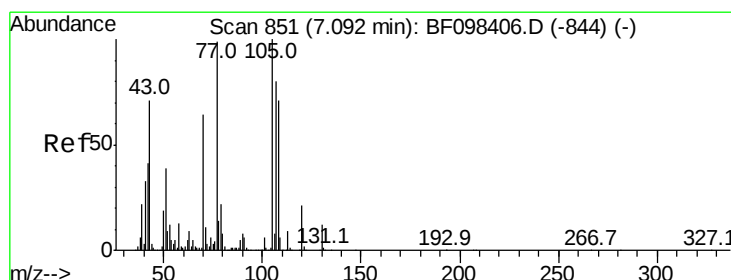
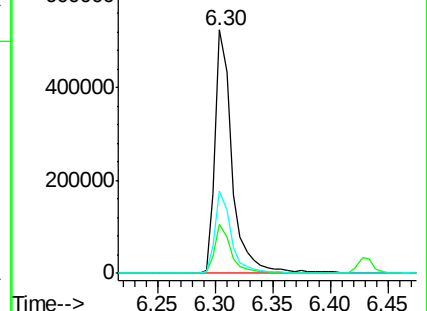
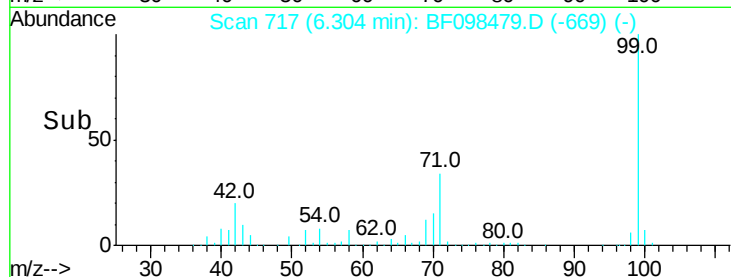
71 33.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 3.494 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.14 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Tgt Ion: 70 Resp: 40862

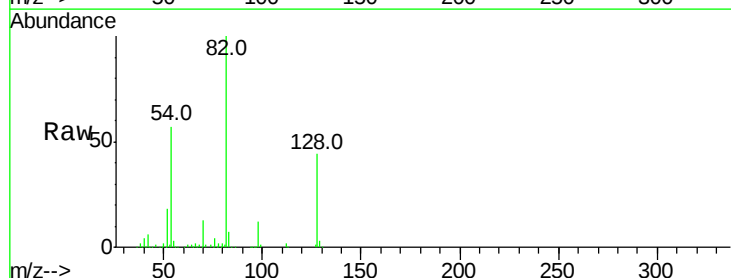
Ion Ratio Lower Upper

70 100

42 48.1 47.2 70.8

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

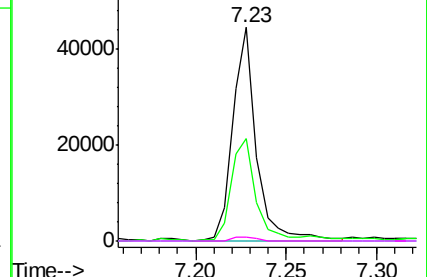
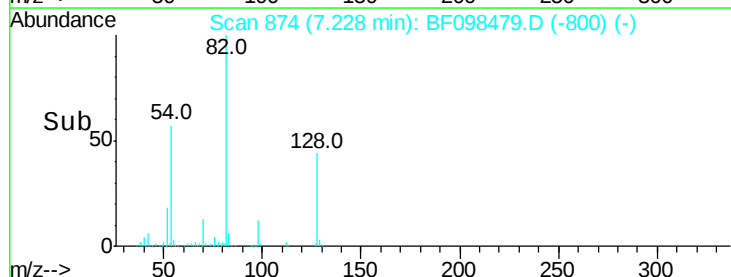


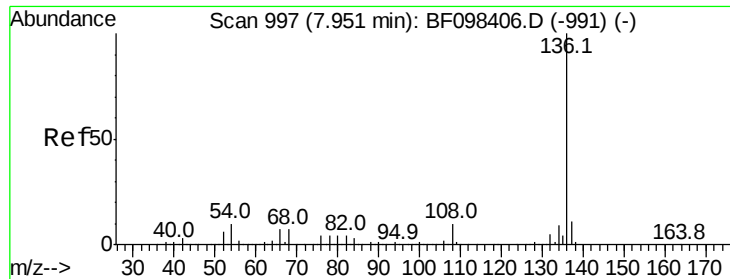
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

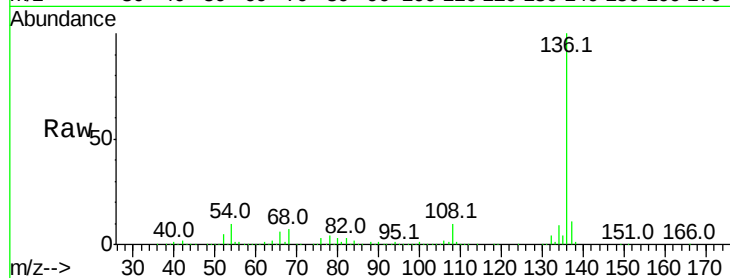




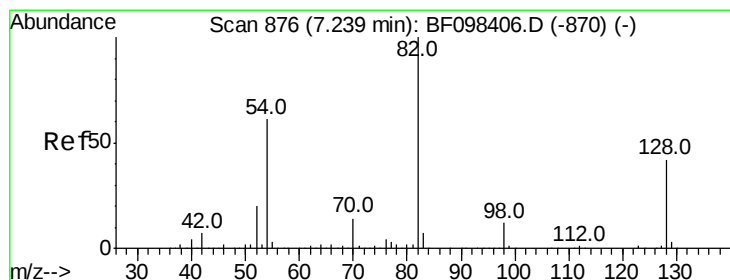
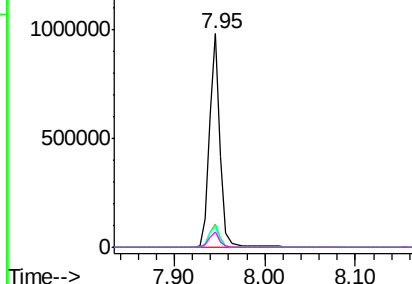
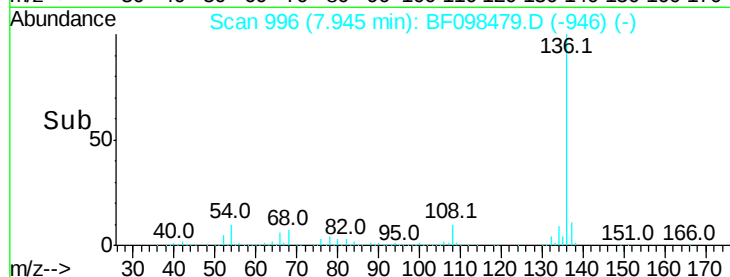
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion:136	Resp:	813973
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.5 12.7
54	9.7	4.9 7.3#
68	7.0	4.1 6.1#

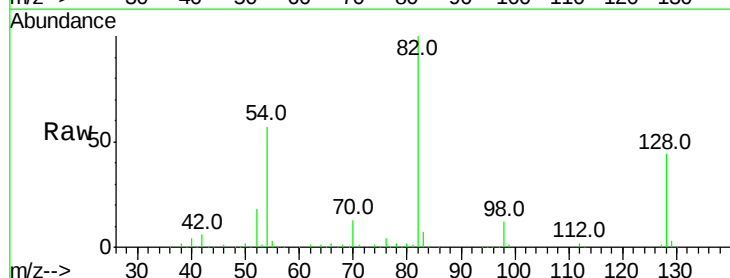


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

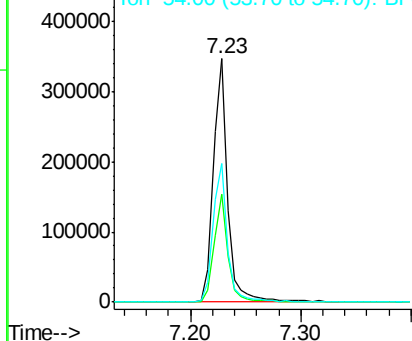
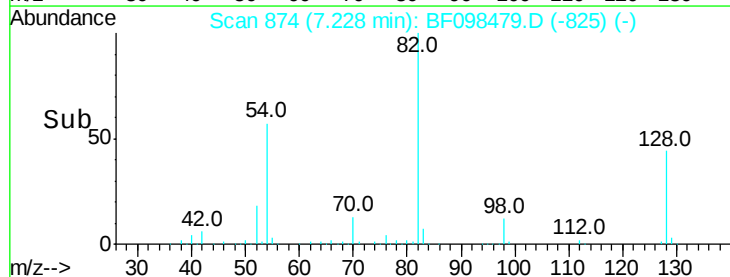


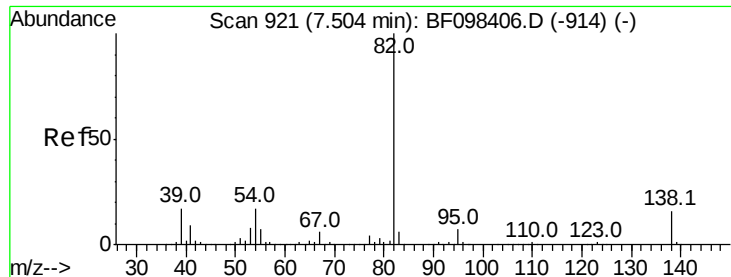
#23
Nitrobenzene-d5
Concen: 21.036 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion: 82	Resp:	307130
Ion	Ratio	Lower Upper
82	100	
128	44.4	34.0 51.0
54	57.1	42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 10.089 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.28 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampleId :

284-GRAB

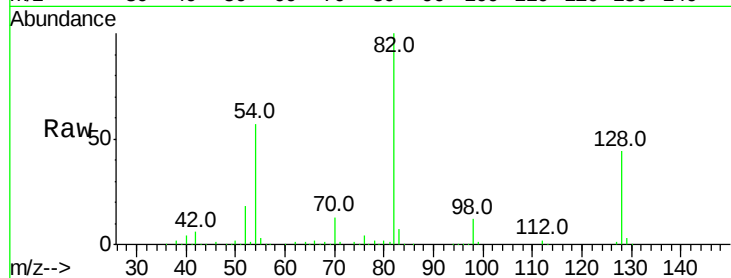
Tot Ion: 82 Resp: 298050

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

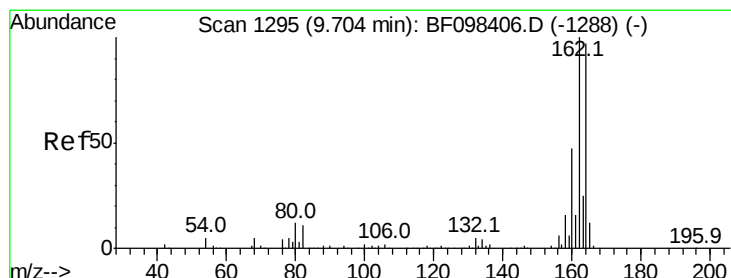
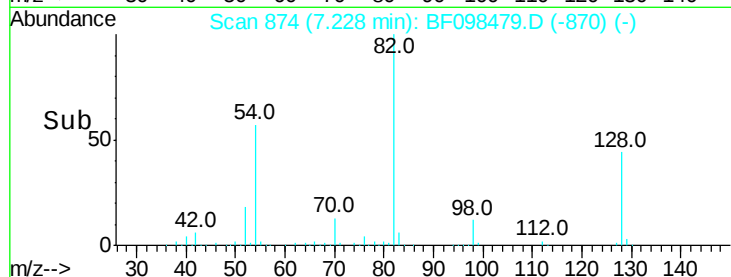
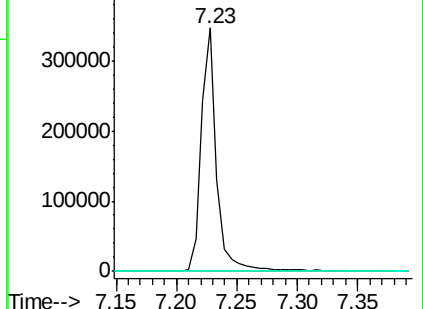
138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

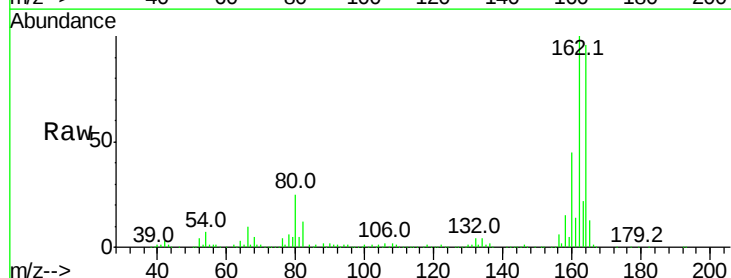
Tgt Ion:164 Resp: 306960

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

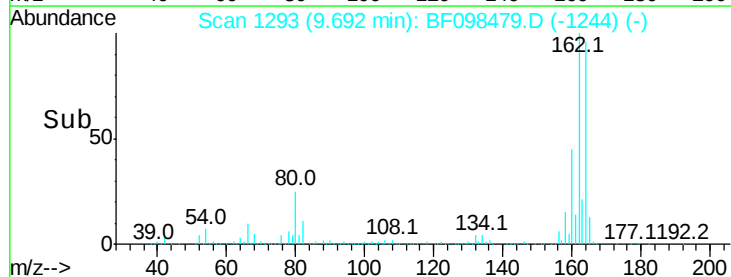
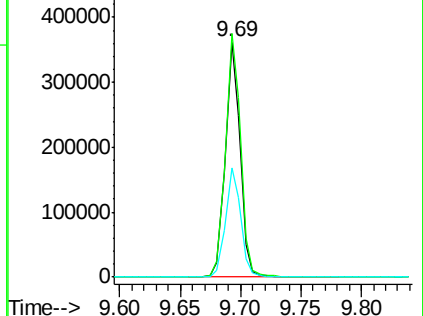
160 46.4 36.2 54.2

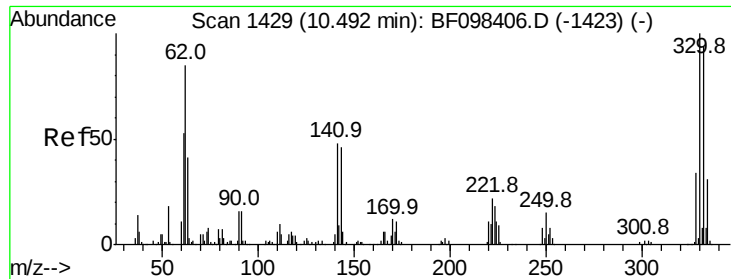


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

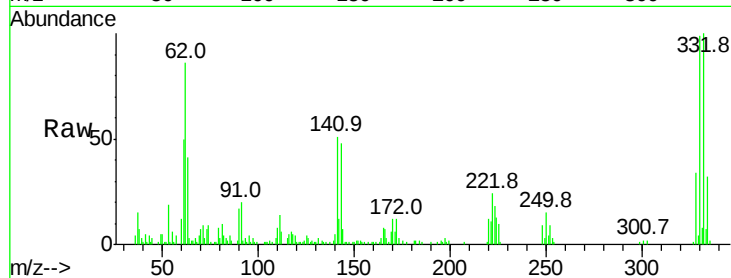




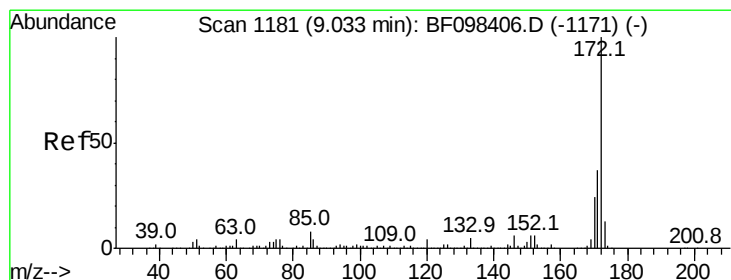
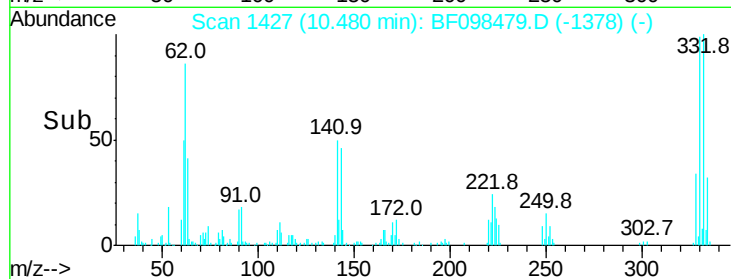
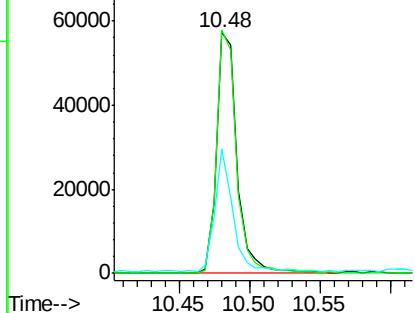
#41
 2,4,6-Tribromophenol
 Concen: 28.283 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 284-GRAB

Tot Ion:330 Resp: 57943
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 115.0
 141 44.5 31.4 47.2

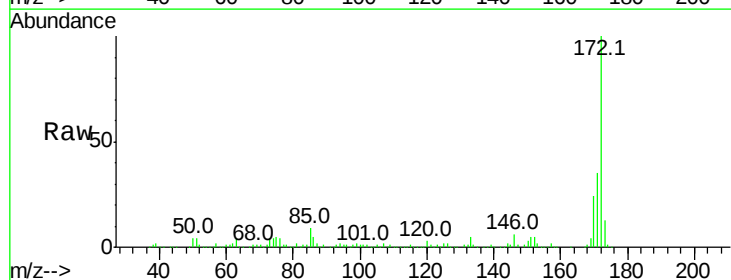


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

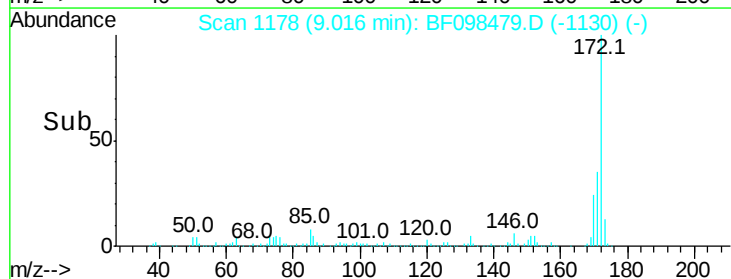
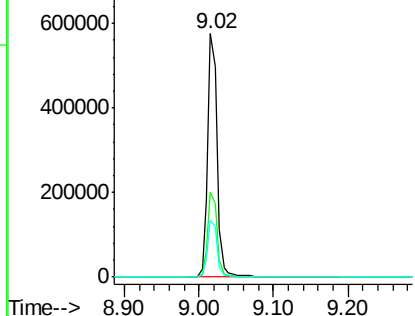


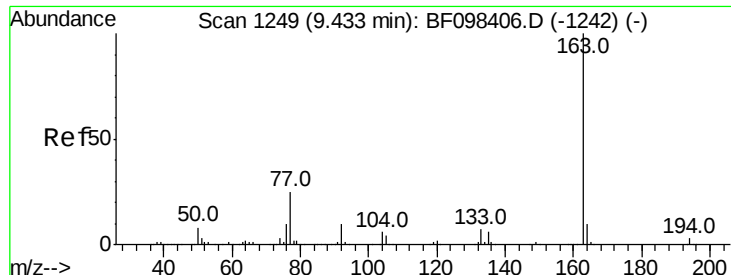
#44
 2-Fluorobiphenyl
 Concen: 28.542 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Tgt Ion:172 Resp: 516915
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.6 44.4
 170 23.5 19.8 29.8



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

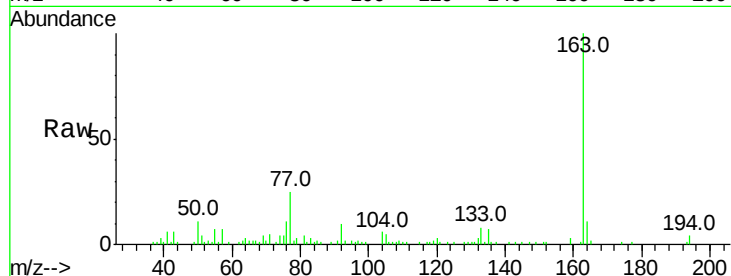




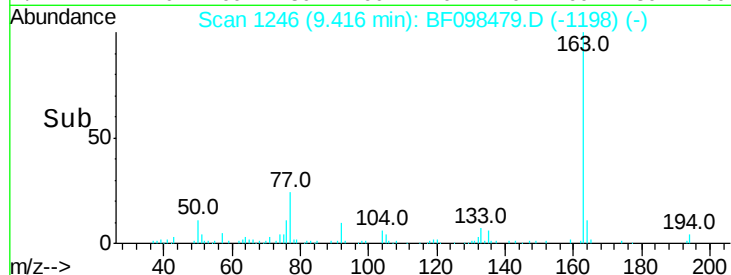
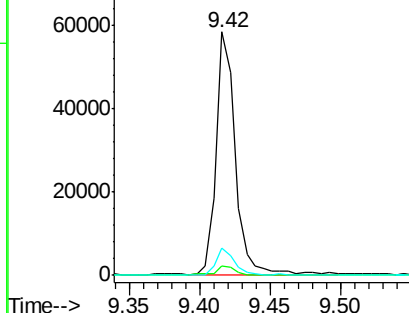
#49
Dimethylphthalate
Concen: 2.370 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	4.0
164	11.1	8.4	12.6

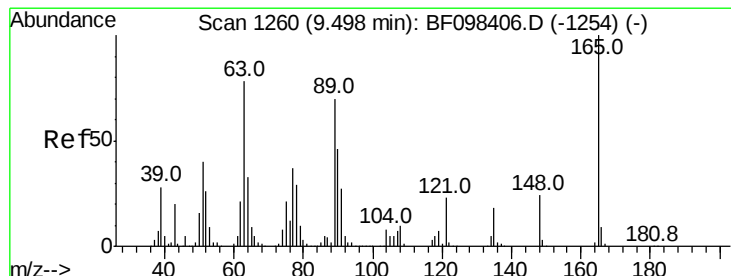


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

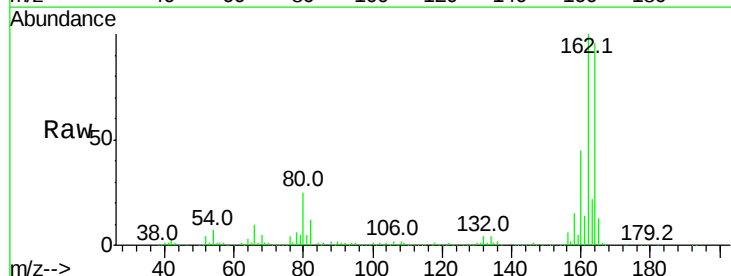
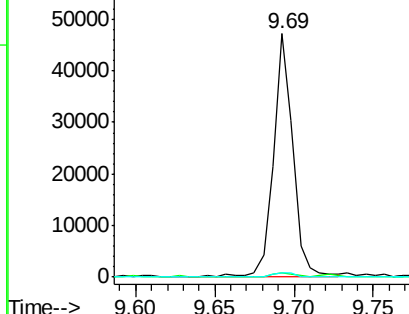


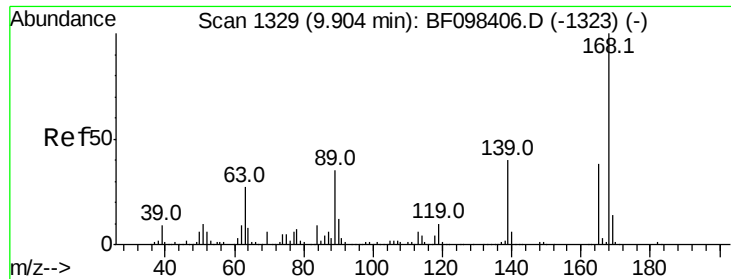
#50
2,6-Dinitrotoluene
Concen: 8.324 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.19 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	34.3	51.5#
89	1.6	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

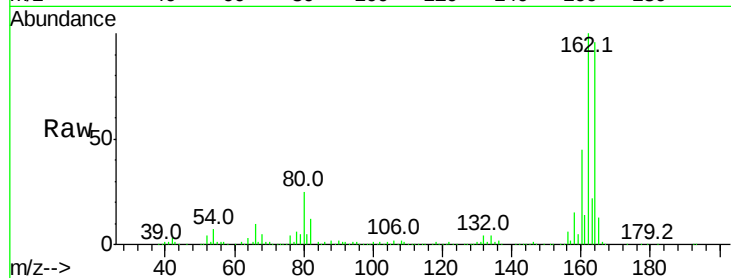




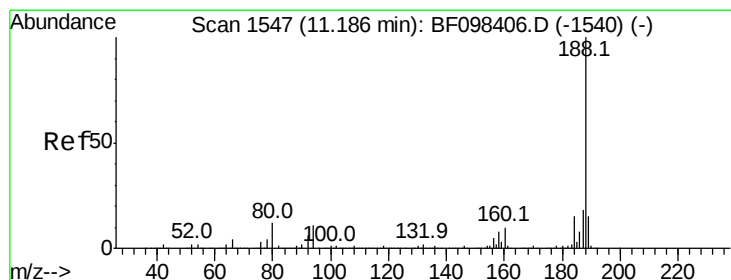
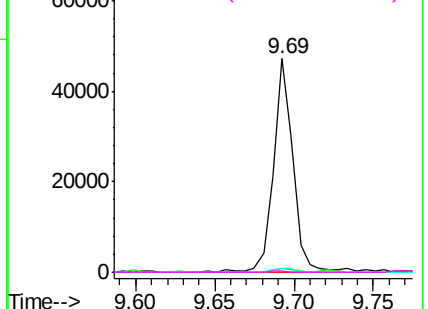
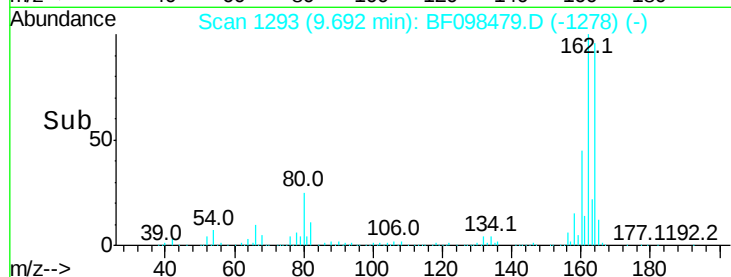
#56
 2,4-Dinitrotoluene
 Concen: 6.847 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Instrument :
 BNA_F
 ClientSampleId :
 284-GRAB

Tot Ion:165 Resp: 40629
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.9 1.8 2.6#

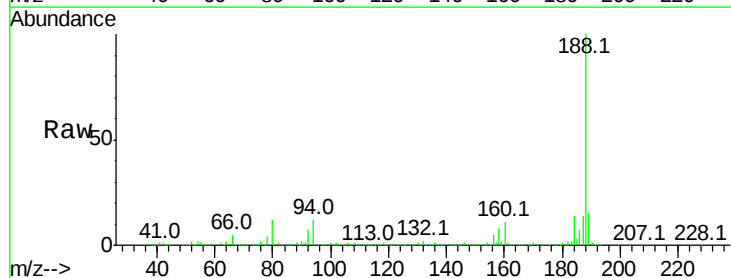


Abundance Ion 165.00 (164.70 to 165.70): E

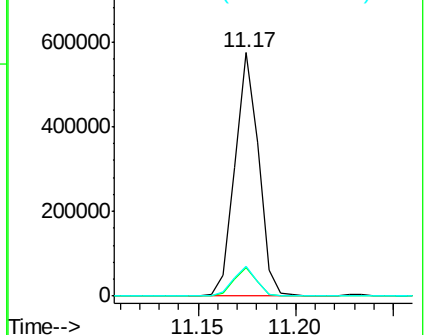
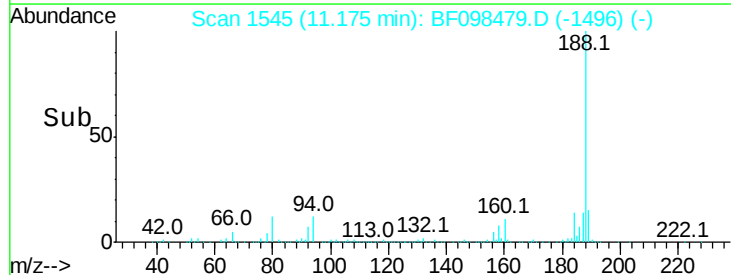


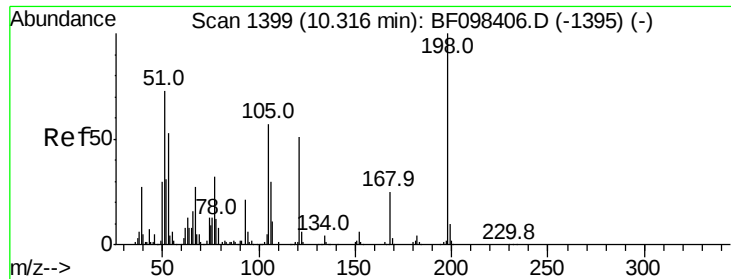
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1545
 Delta R.T. -0.01 min
 Lab File: BF098479.D
 Acq: 13 Sep 2017 5:08

Tgt Ion:188 Resp: 484414
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 12.3 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#64

4,6-Dinitro-2-methylphenol

Concen: 4.999 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.17 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampleId :

284-GRAB

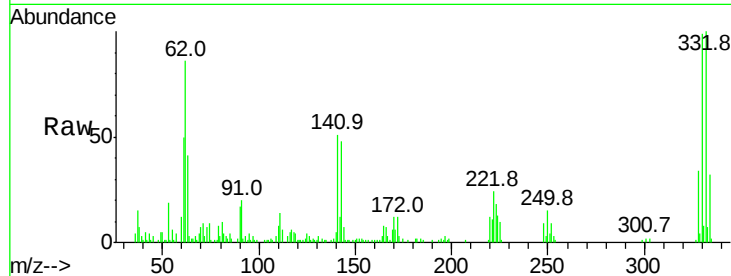
Tot Ion:198 Resp: 114

Ion Ratio Lower Upper

198 100

51 213.6 53.2 93.2#

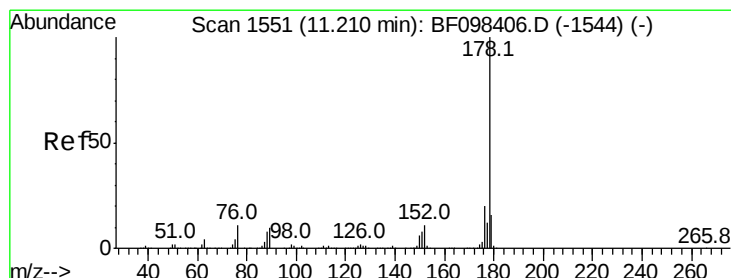
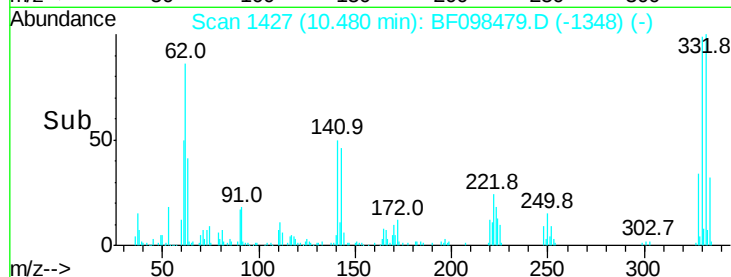
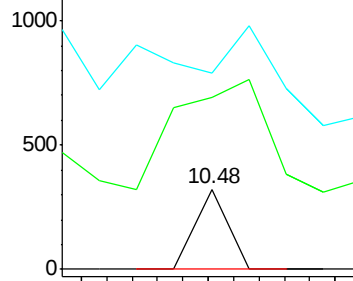
105 244.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 2.113 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

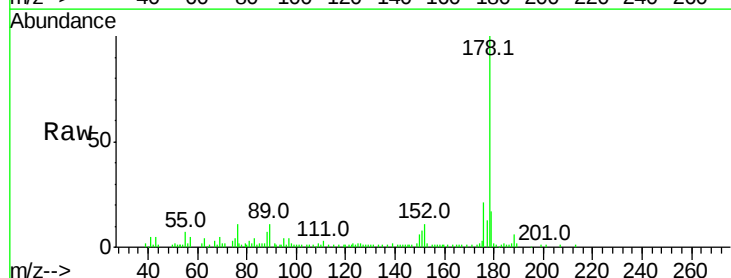
Tgt Ion:178 Resp: 54268

Ion Ratio Lower Upper

178 100

176 21.2 16.2 24.4

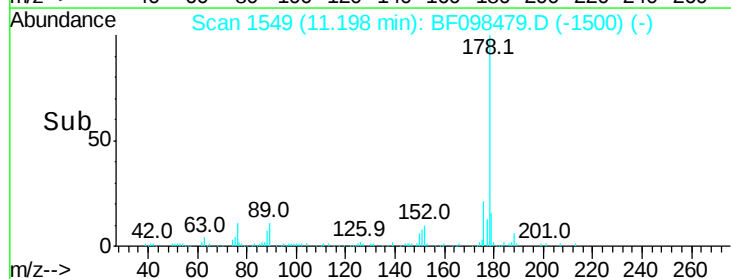
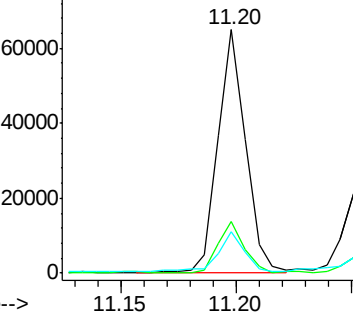
179 16.8 12.6 19.0

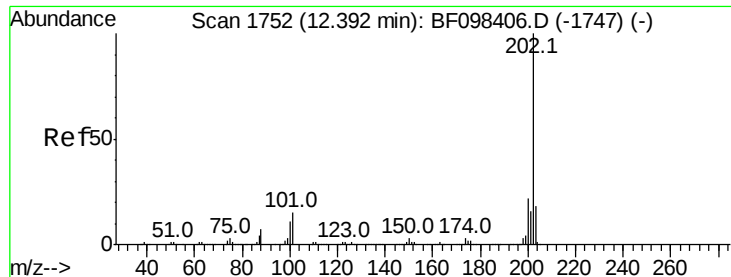


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.266 ng

RT: 12.39 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampleId :

284-GRAB

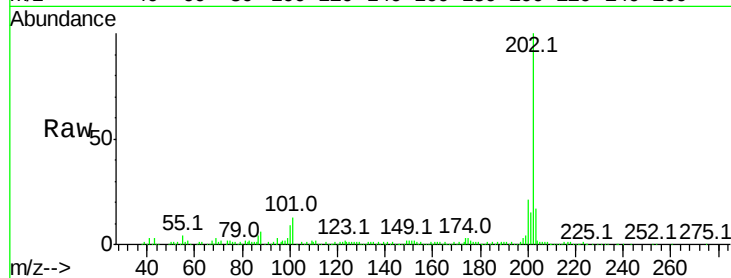
Tot Ion:202 Resp: 161095

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

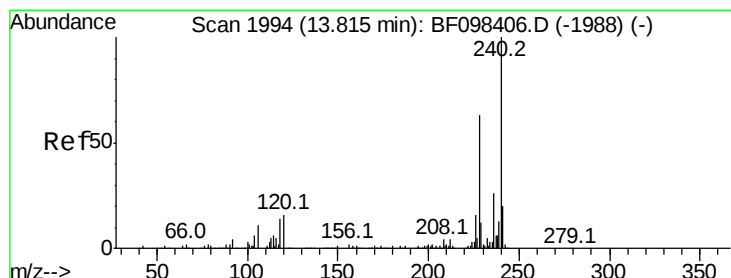
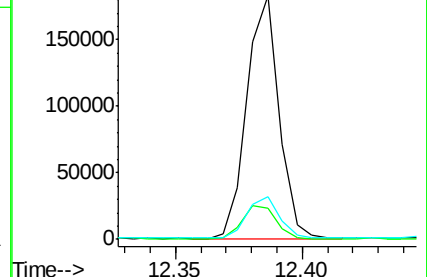
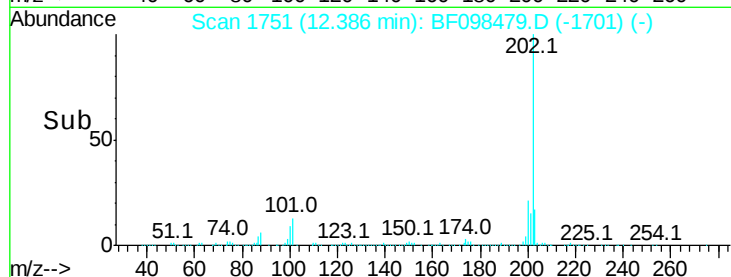
203 17.4 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

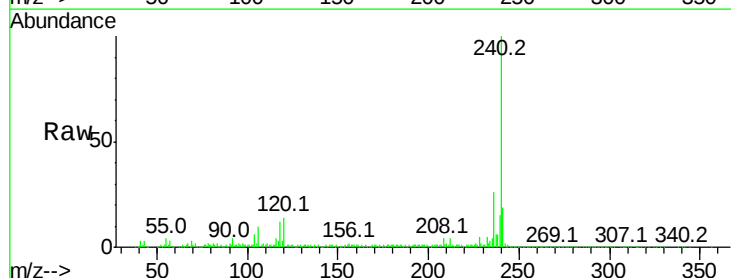
Tgt Ion:240 Resp: 380993

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

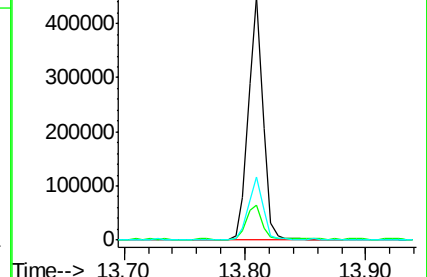
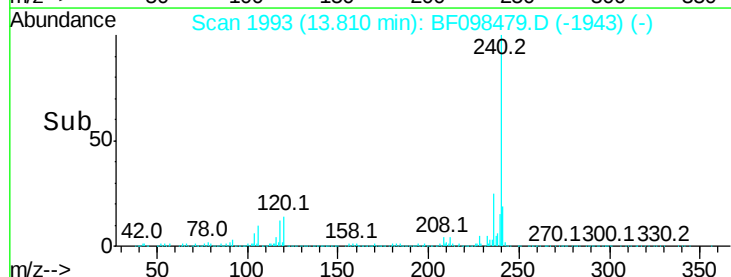
236 25.7 20.5 30.7

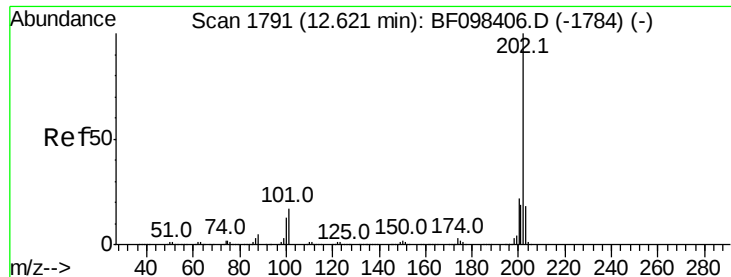


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.318 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampleId :

284-GRAB

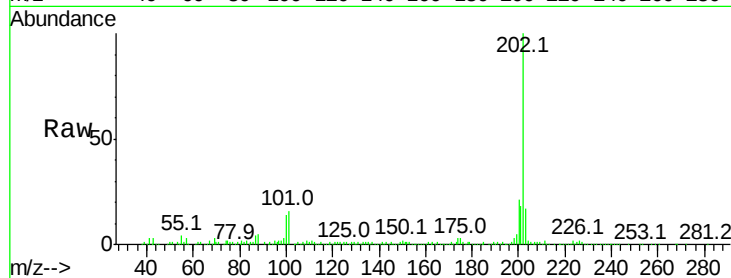
Tot Ion:202 Resp: 189893

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

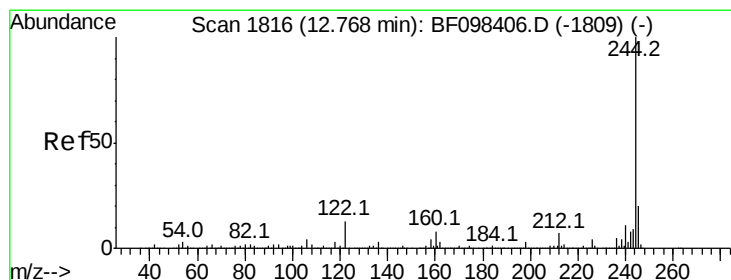
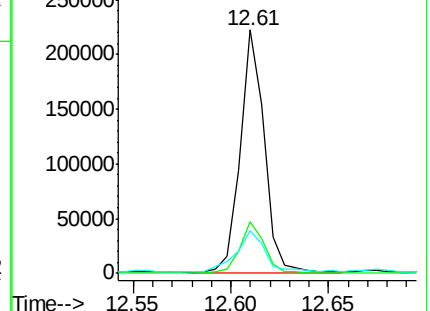
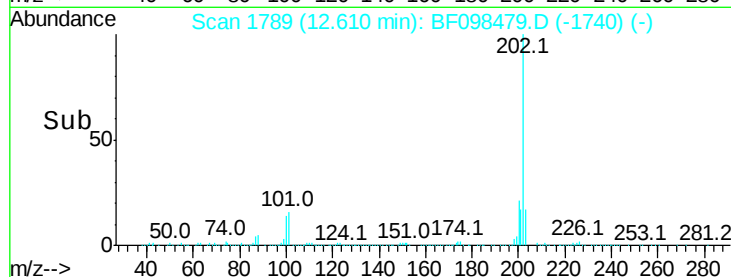
203 17.4 14.4 21.6



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



#78

Terphenyl-d14

Concen: 20.256 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

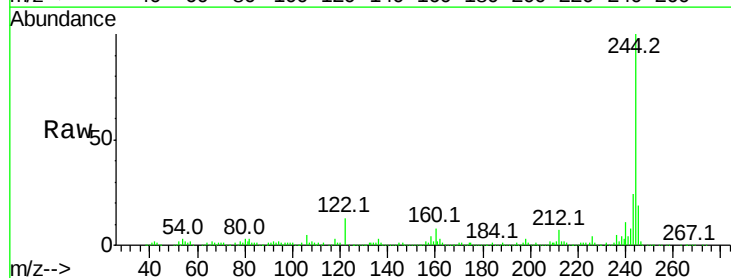
Tgt Ion:244 Resp: 357534

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

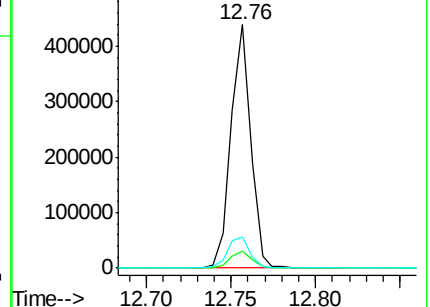
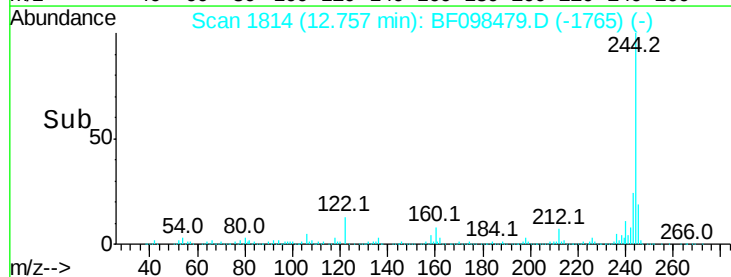
122 12.6 10.3 15.5

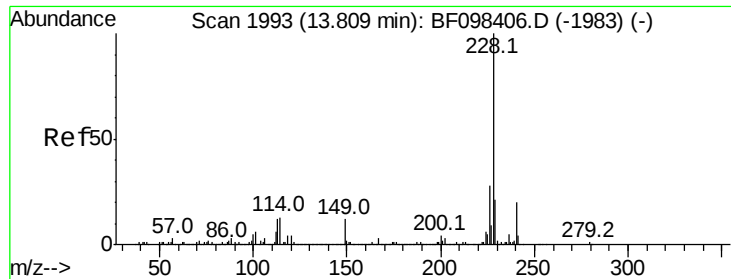


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

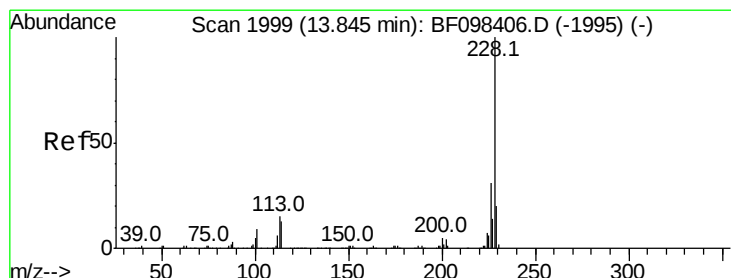
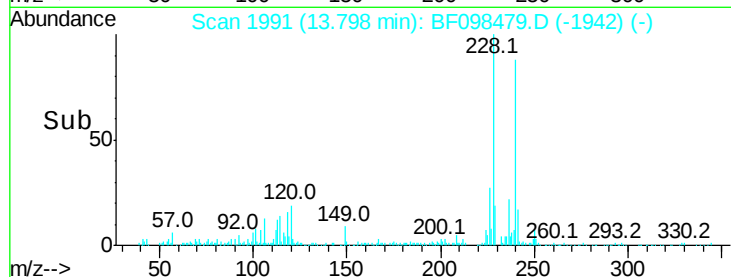
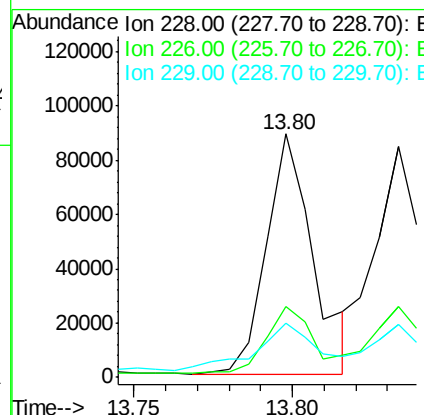
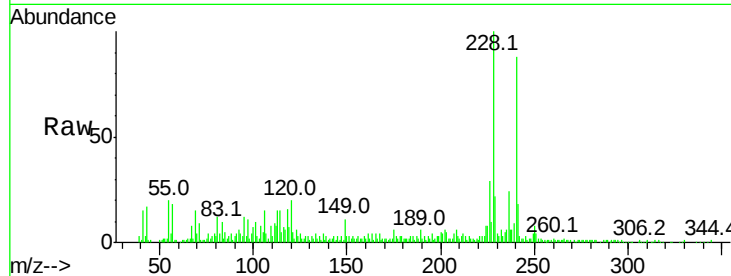




#80
Benzo(a)anthracene
Concen: 4.062 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

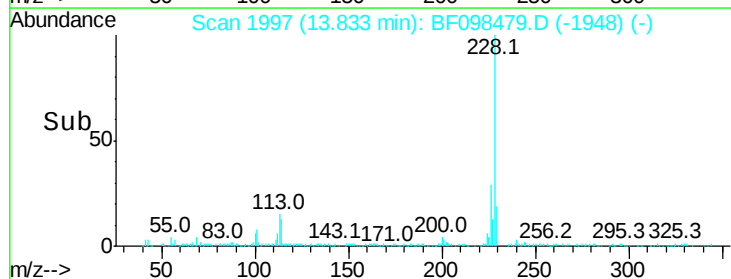
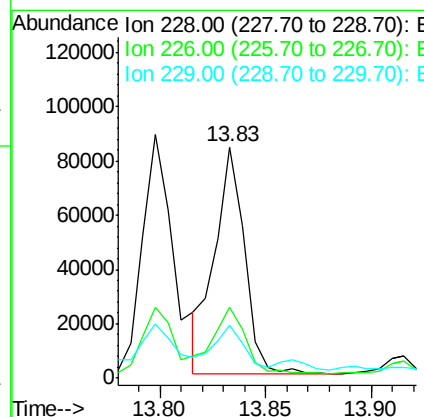
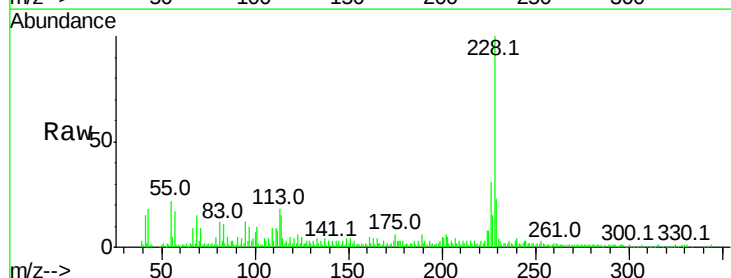
Instrument :
BNA_F
ClientSampleId :
284-GRAB

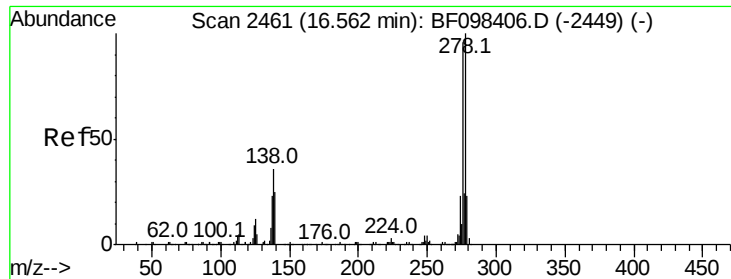
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	22.0	16.3	24.5



#82
Chrysene
Concen: 3.688 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.7	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.347 ng

RT: 16.56 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Instrument :

BNA_F

ClientSampled :

284-GRAB

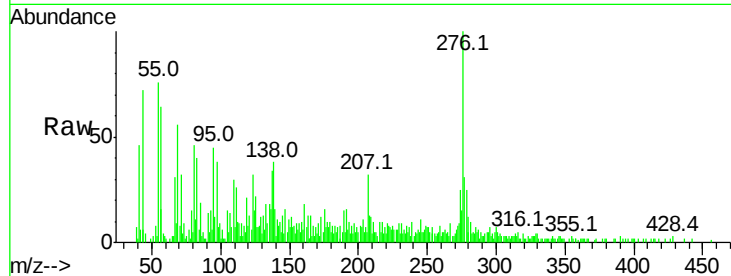
Tot Ion:276 Resp: 37179

Ion Ratio Lower Upper

276 100

138 29.9 27.8 41.6

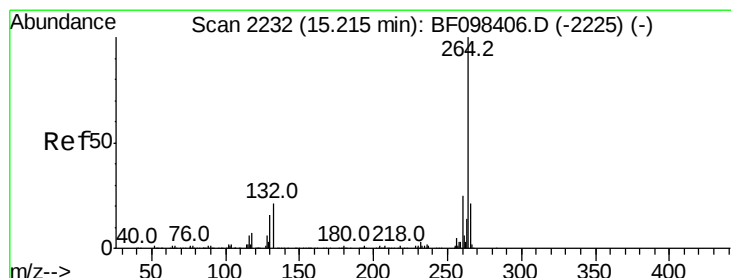
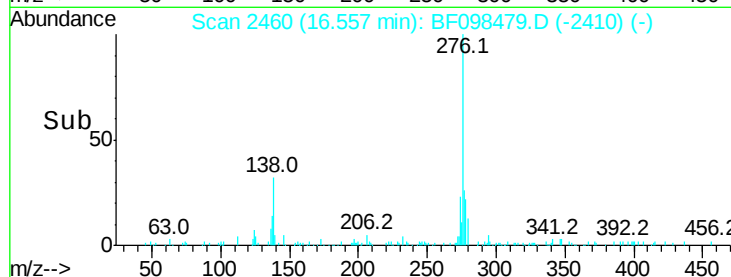
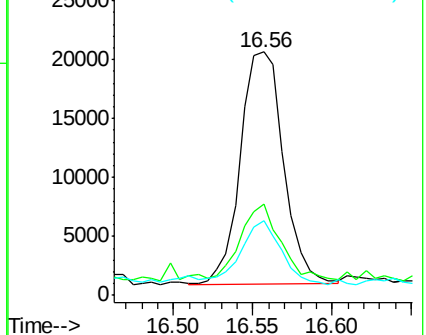
277 25.8 20.2 30.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

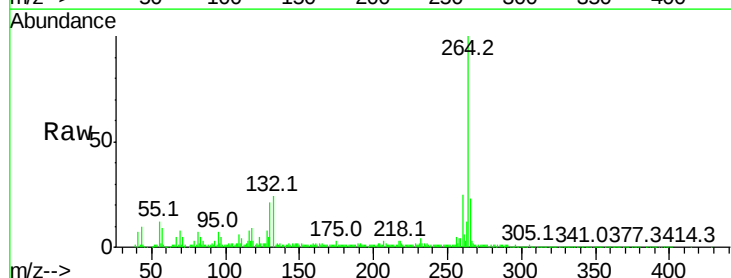
Tgt Ion:264 Resp: 274703

Ion Ratio Lower Upper

264 100

260 25.4 19.5 29.3

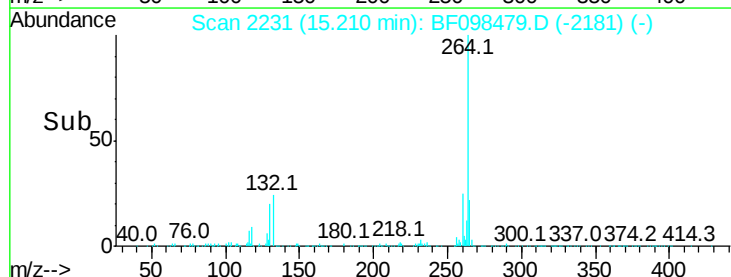
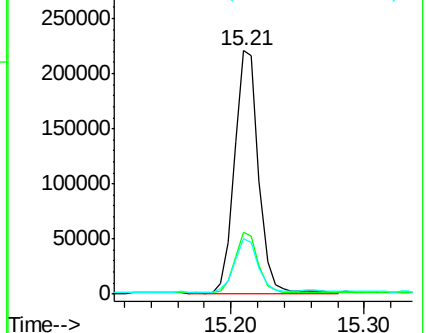
265 23.0 17.2 25.8

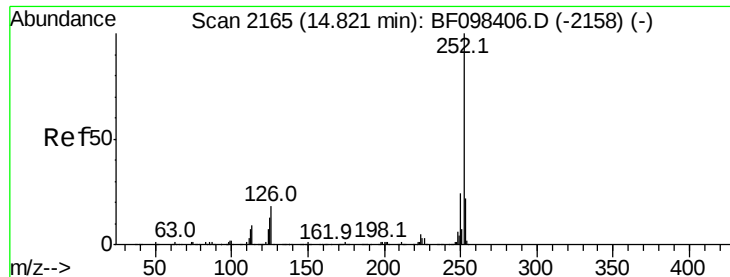


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 7.489 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

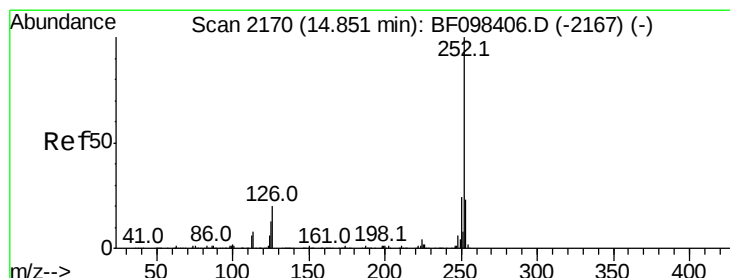
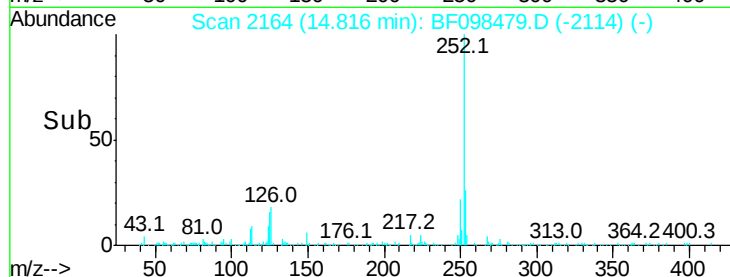
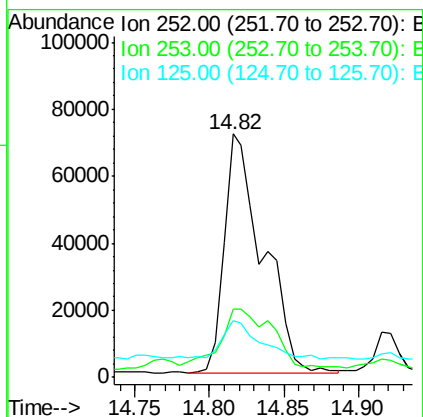
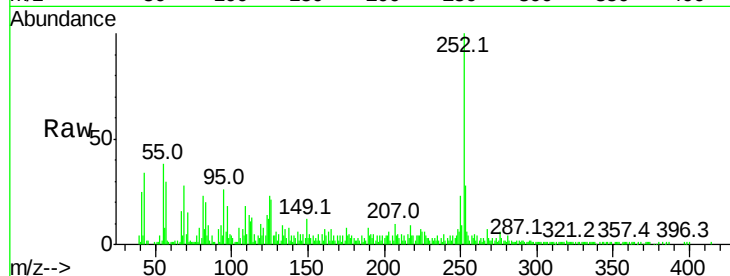
Instrument :

BNA_F

ClientSampleId :

284-GRAB

Tot Ion:252	Resp:	129347
Ion Ratio	Lower	Upper
252	100	
253	28.2	18.1 27.1#
125	23.3	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 8.022 ng

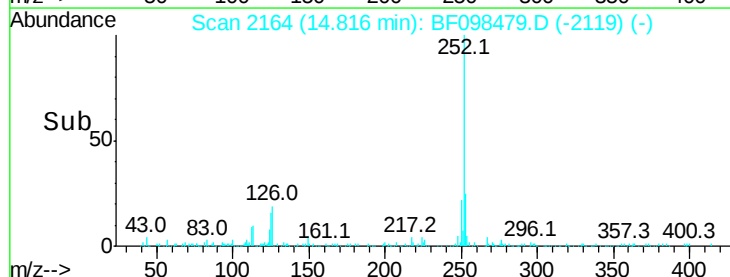
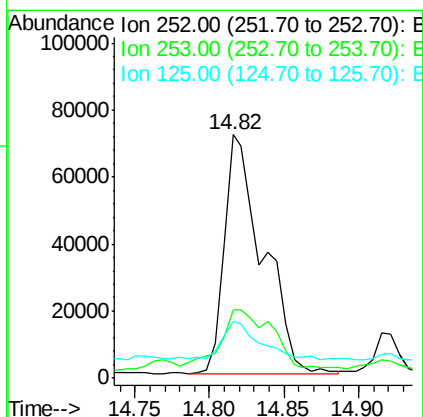
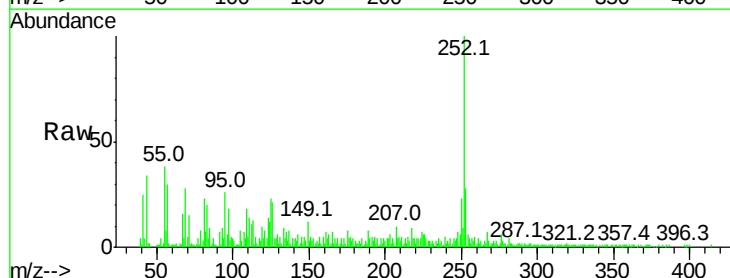
RT: 14.82 min Scan# 2164

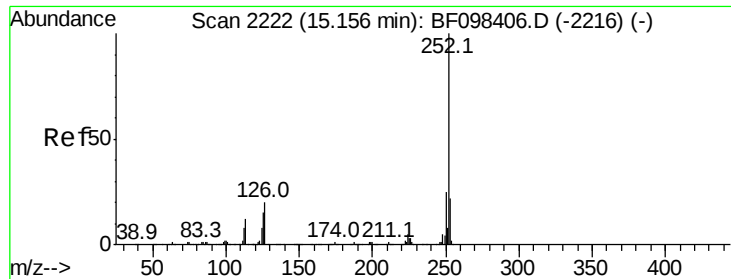
Delta R.T. -0.04 min

Lab File: BF098479.D

Acq: 13 Sep 2017 5:08

Tgt Ion:252	Resp:	129347
Ion Ratio	Lower	Upper
252	100	
253	28.2	18.4 27.6#
125	23.3	13.1 19.7#

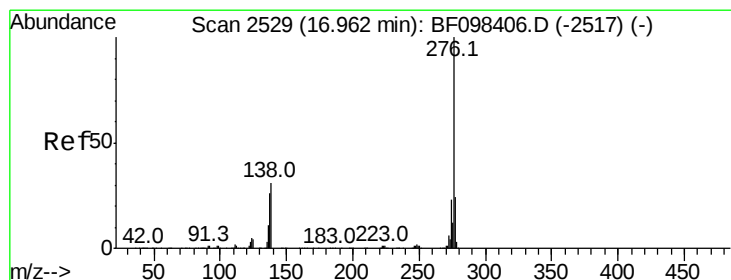
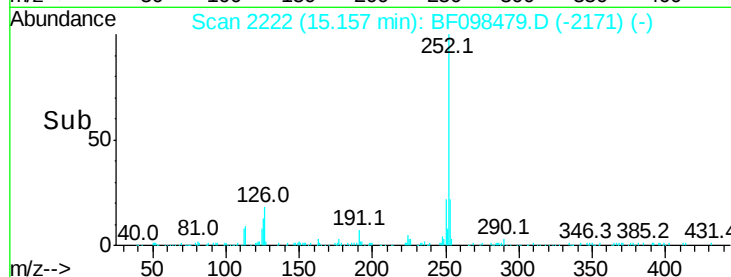
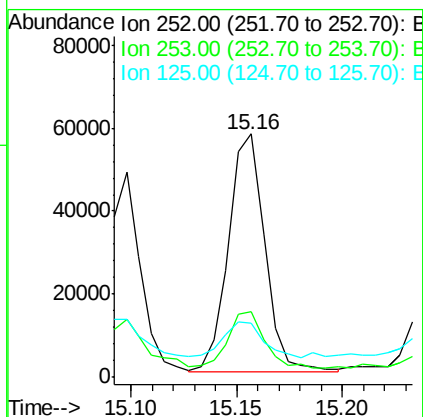
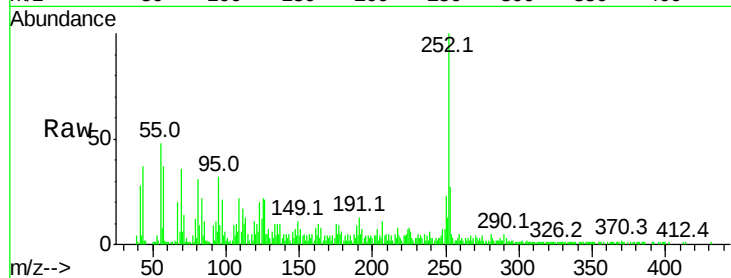




#89
Benzo(a)pyrene
Concen: 4.402 ng
RT: 15.16 min Scan# 2222
Delta R.T. 0.00 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Instrument :
BNA_F
ClientSampleId :
284-GRAB

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	22.1	11.0	16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.902 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF098479.D
Acq: 13 Sep 2017 5:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	32.7	25.4	38.0

