

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\
 Data File : BF113610.D
 Acq On : 5 Apr 2019 4:13
 Operator : JU/SJ
 Sample : K2240-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 05 06:54:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	118998	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	414297	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	174284	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	324940	20.00	ng	0.00
76) Chrysene-d12	13.83	240	205852	20.00	ng	-0.02
87) Perylene-d12	15.23	264	167370	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	800312	114.68	ng	0.00
7) Phenol-d6	6.34	99	1020300	118.63	ng	0.00
23) Nitrobenzene-d5	7.25	82	516942	73.09	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	231475	110.56	ng	-0.01
45) 2-Fluorobiphenyl	9.04	172	994293	91.84	ng	-0.01
79) Terphenyl-d14	12.77	244	866923	85.74	ng	-0.02

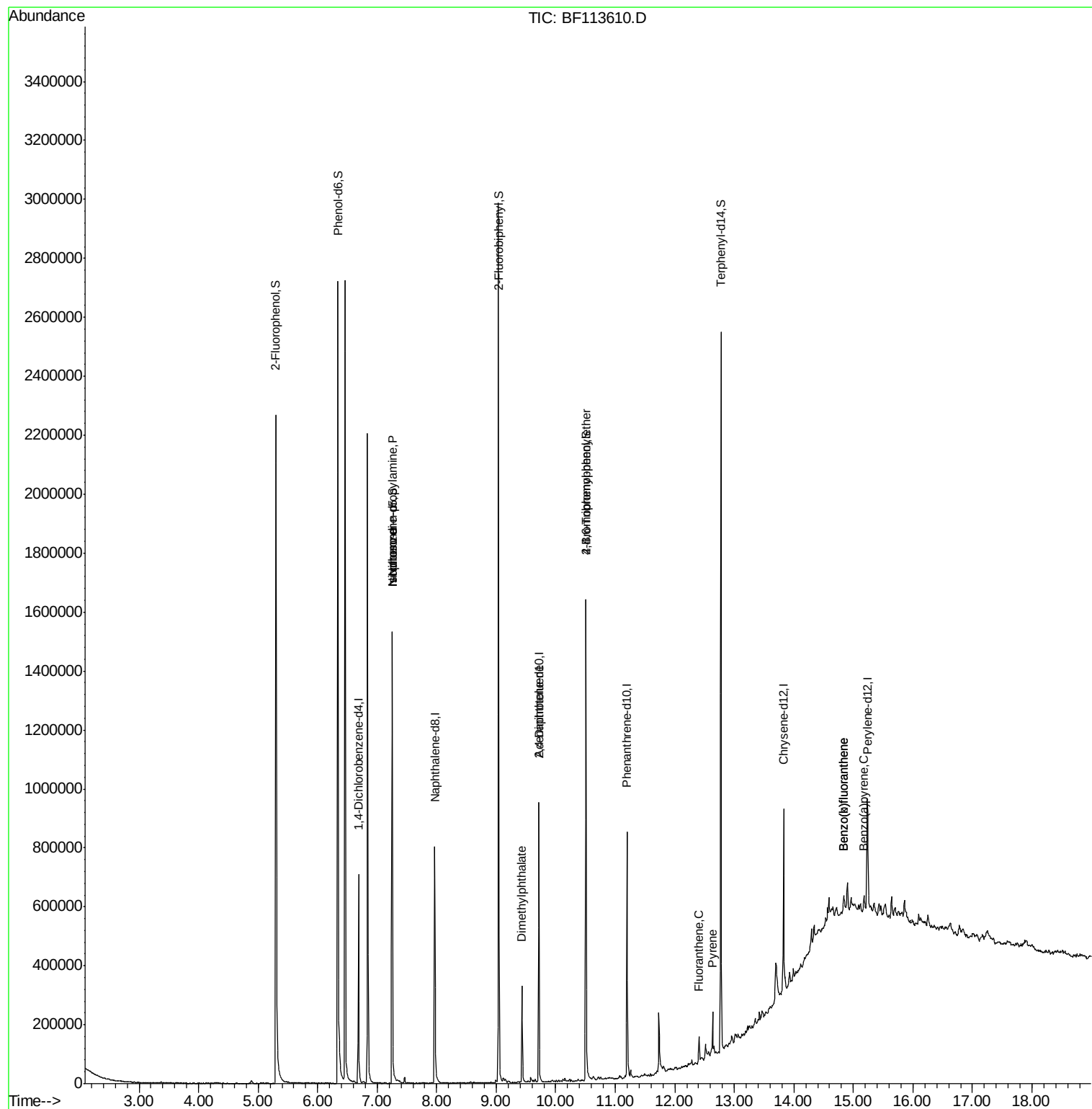
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.25	70	66745	12.585	ng	# 75
25) Isophorone	7.25	82	516971	37.943	ng	# 64
50) Dimethylphthalate	9.43	163	130087	10.126	ng	99
57) 2,4-Dinitrotoluene	9.72	165	22629	6.607	ng	# 23
67) 4-Bromophenyl-phenylether	10.50	248	13131	3.603	ng	# 1
75) Fluoranthene	12.40	202	40739	2.355	ng	99
78) Pyrene	12.63	202	36408	2.324	ng	98
88) Benzo(b)fluoranthene	14.84	252	35431	3.458	ng	# 58
89) Benzo(k)fluoranthene	14.84	252	35431	3.853	ng	# 57
90) Benzo(a)pyrene	15.18	252	18504	2.033	ng	# 69

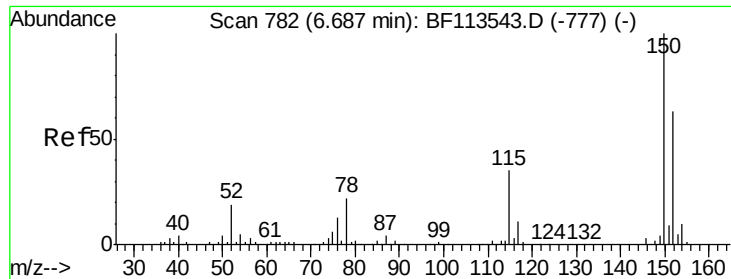
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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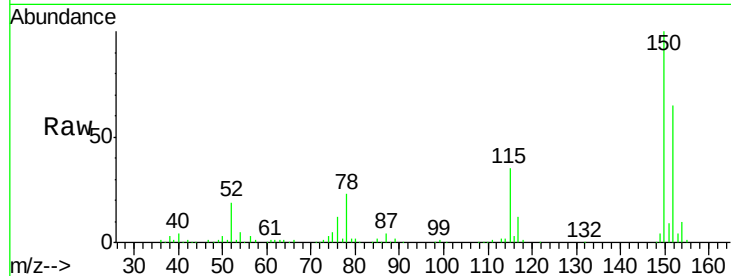


#1

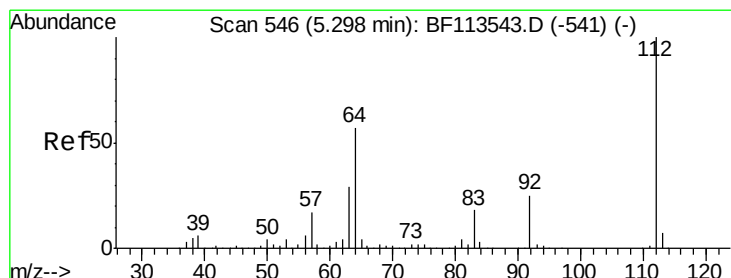
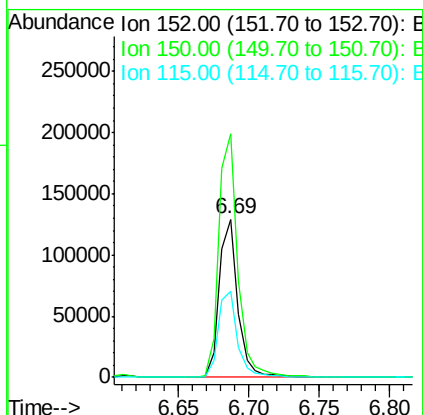
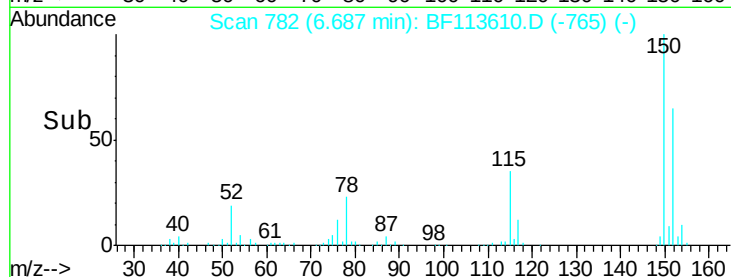
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118998
Ion Ratio Lower Upper
152 100
150 154.0 124.7 187.1
115 54.4 46.0 69.0



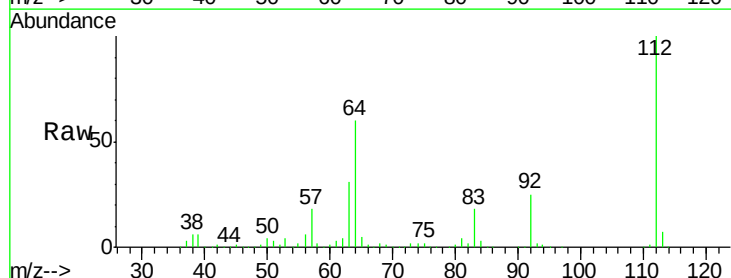
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



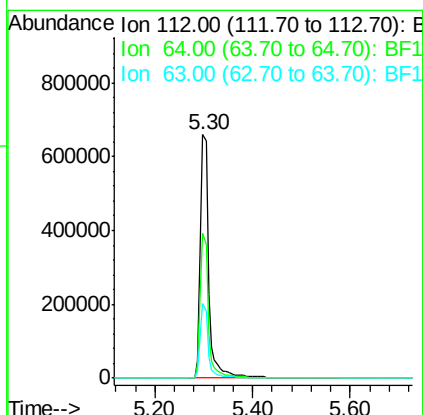
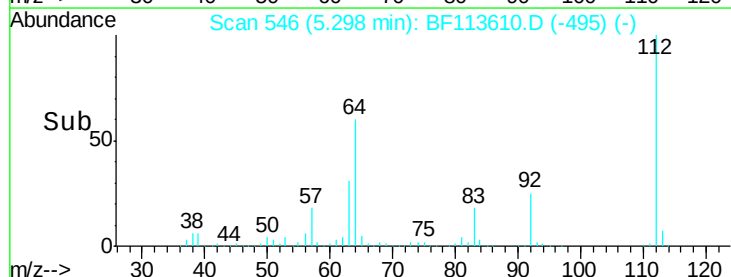
#5

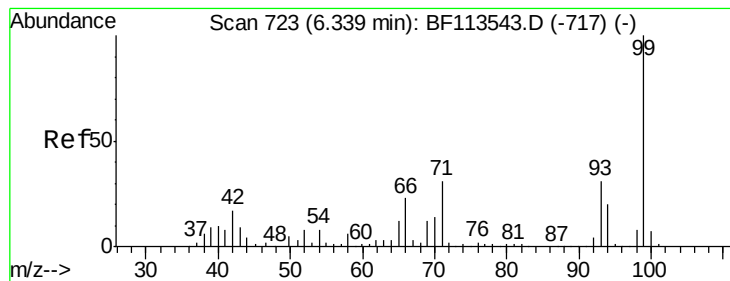
2-Fluorophenol
Concen: 114.684 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Tgt Ion:112 Resp: 800312
Ion Ratio Lower Upper
112 100
64 59.6 49.2 73.8
63 30.6 24.9 37.3



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: 118.627 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

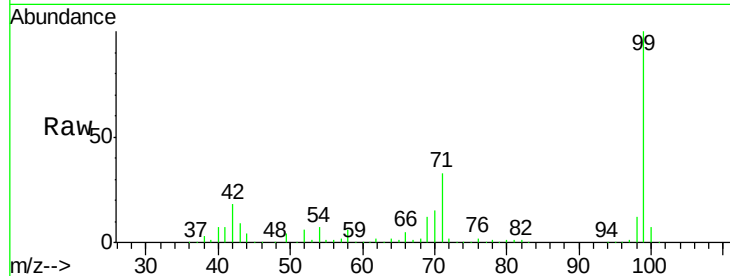
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1020300

Ion	Ratio	Lower	Upper
99	100		
42	18.4	14.8	22.2
71	32.8	24.9	37.3

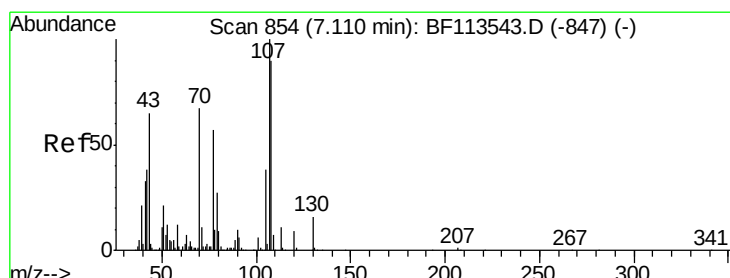
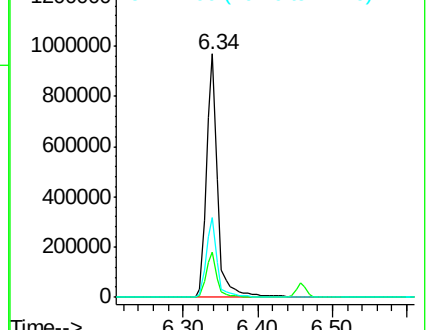
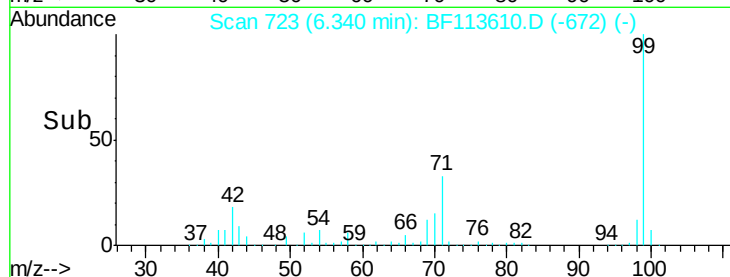


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 12.585 ng

RT: 7.25 min Scan# 878

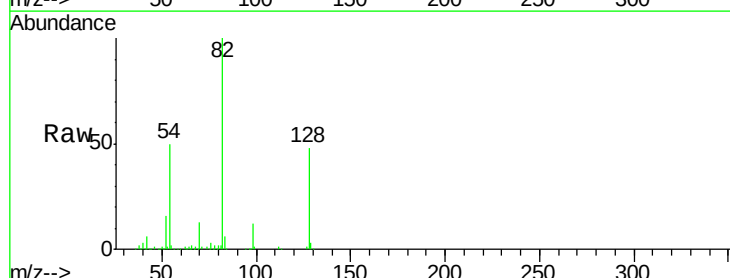
Delta R.T. 0.14 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

Tgt Ion: 70 Resp: 66745

Ion	Ratio	Lower	Upper
70	100		
42	46.3	48.4	72.6#
101	0.0	7.8	11.8#
130	2.5	18.2	27.4#



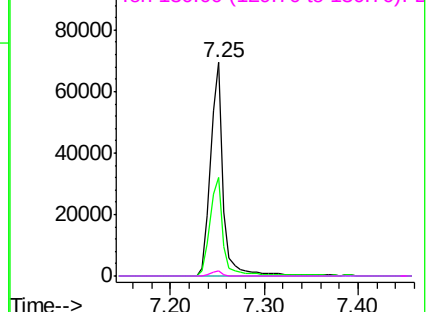
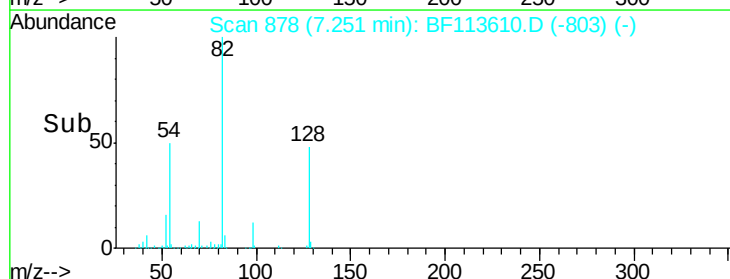
Abundance

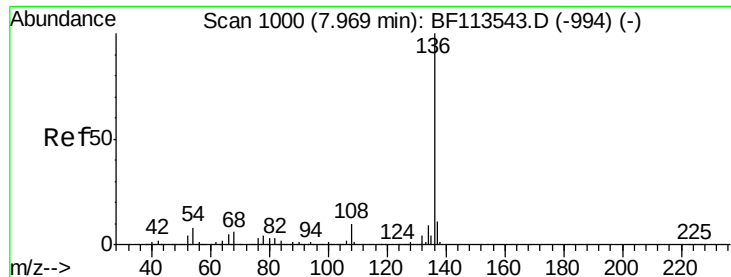
Ion 70.00 (69.70 to 70.70): BF1

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

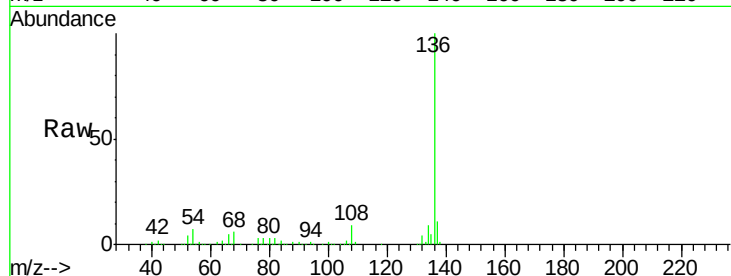




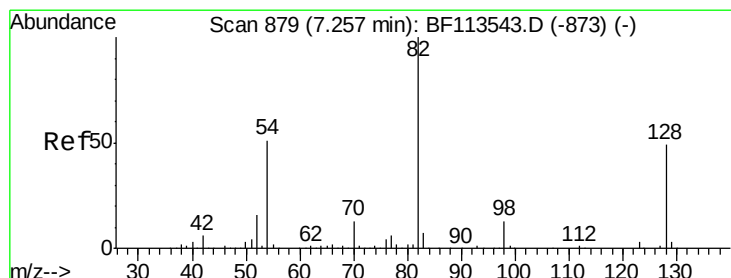
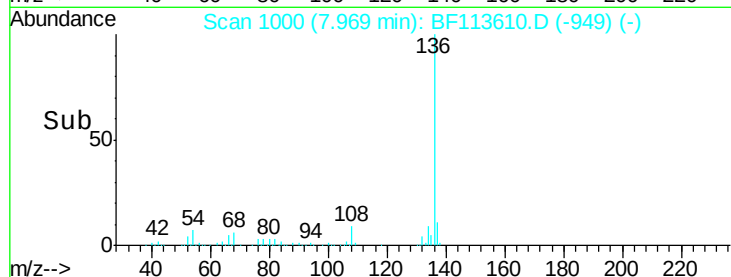
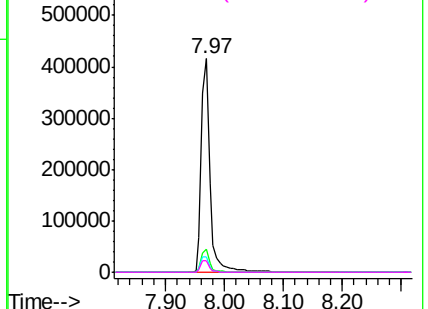
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1000
Delta R.T. 0.00 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	414297
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.9 13.3
54	7.4	7.0 10.6
68	5.6	4.8 7.2

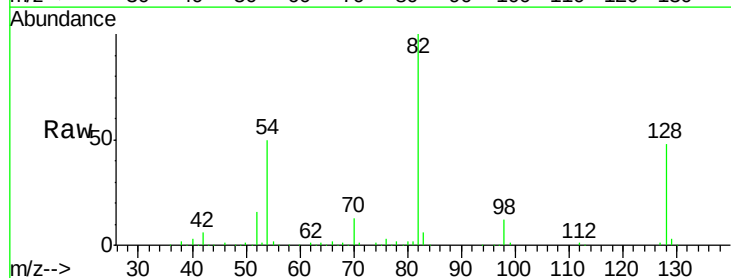


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

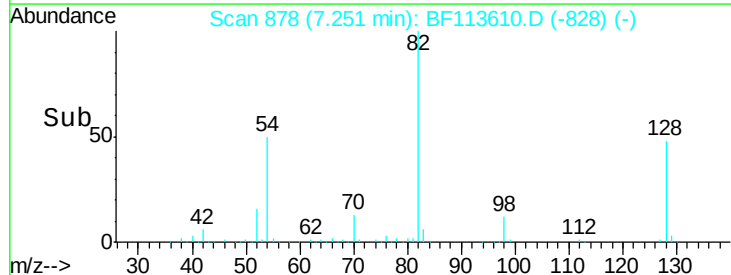
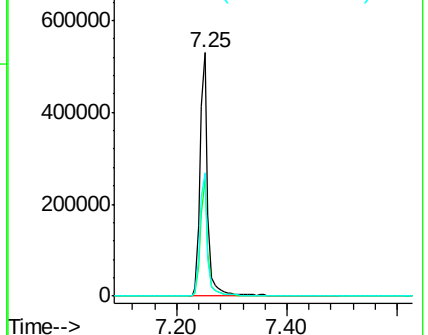


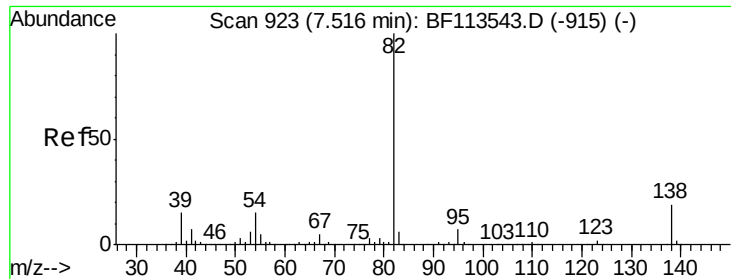
#23
Nitrobenzene-d5
Concen: 73.088 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Tgt Ion: 82	Resp:	516942
Ion	Ratio	Lower Upper
82	100	
128	48.0	36.5 54.7
54	50.5	42.2 63.2



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





#25

Isophorone

Concen: 37.943 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.26 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

Instrument :

BNA_F

ClientSampleId :

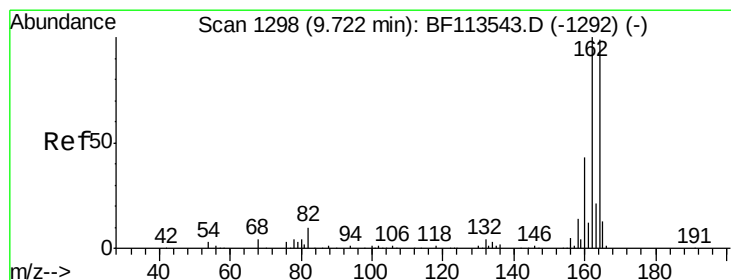
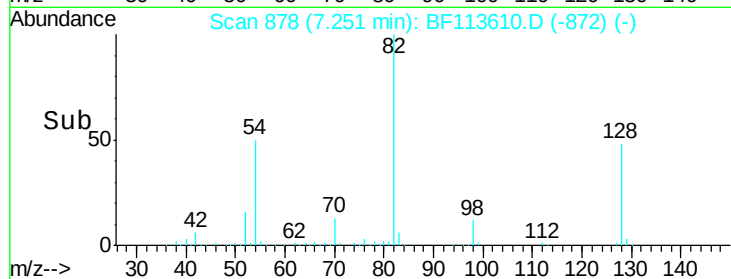
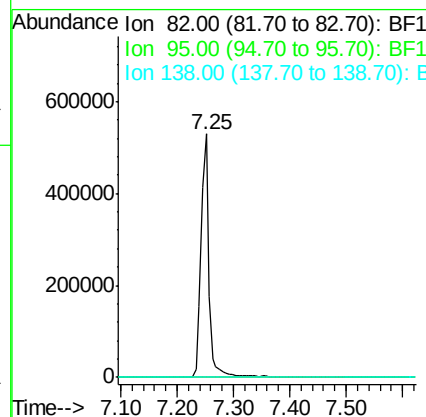
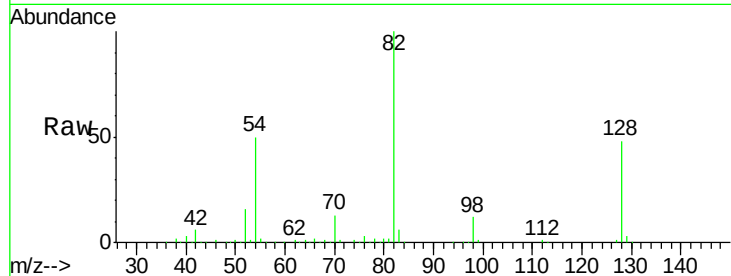
Tot Ion: 82 Resp: 516971

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

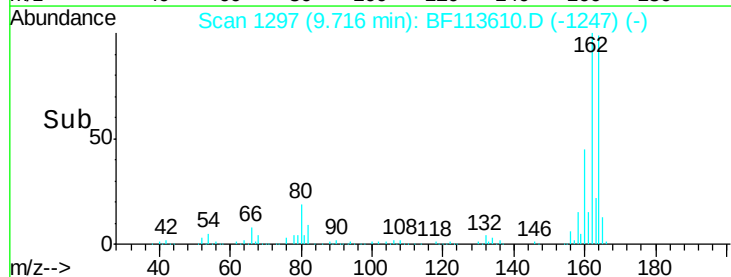
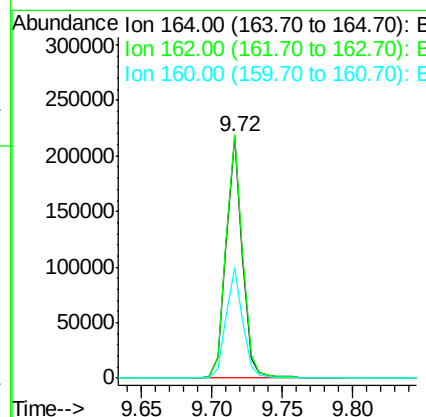
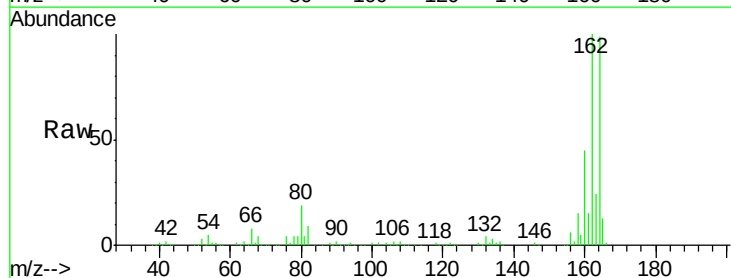
Tgt Ion:164 Resp: 174284

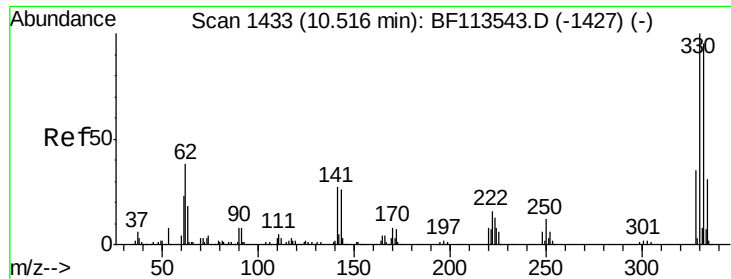
Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.6

160 45.6 36.4 54.6

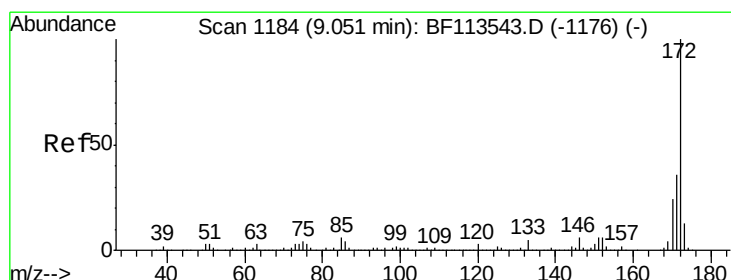
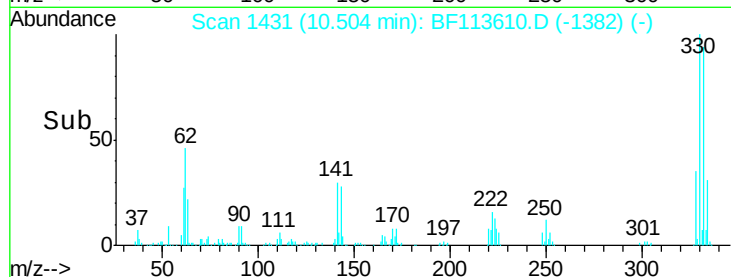
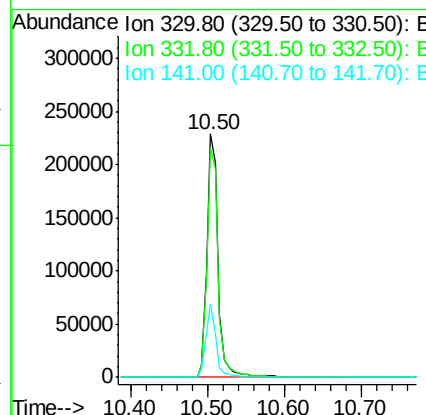
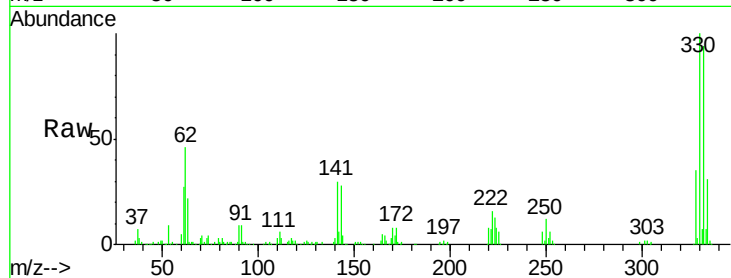




#42
 2,4,6-Tribromophenol
 Concen: 110.564 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.01 min
 Lab File: BF113610.D
 Acq: 5 Apr 2019 4:13

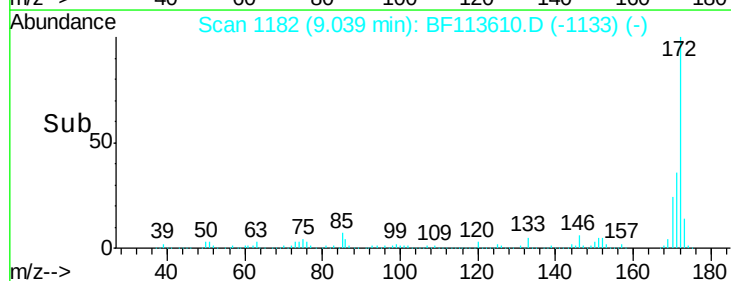
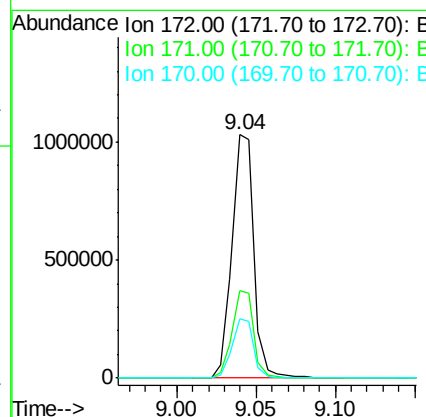
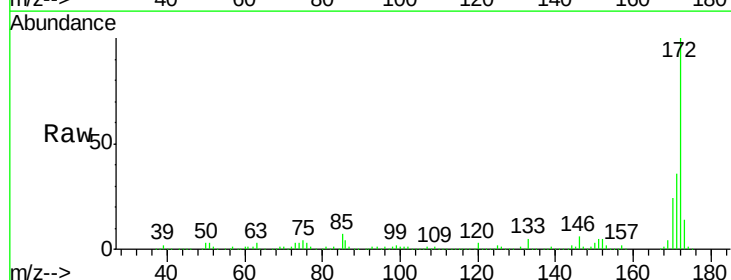
Instrument :
 BNA_F
 ClientSampleId :

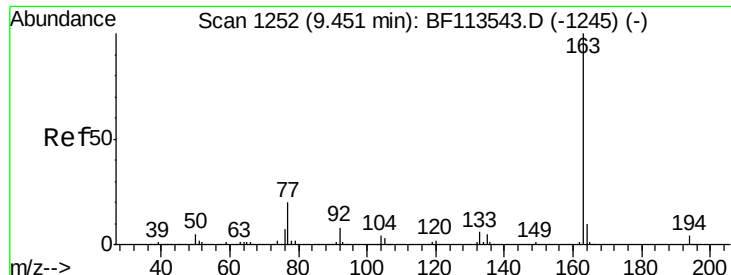
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.8	116.6
141	27.5	22.7	34.1



#45
 2-Fluorobiphenyl
 Concen: 91.845 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF113610.D
 Acq: 5 Apr 2019 4:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	24.2	19.5	29.3

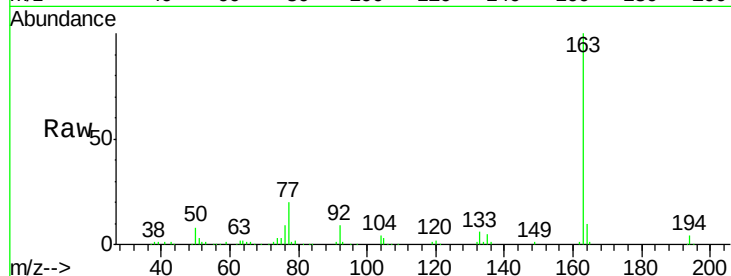




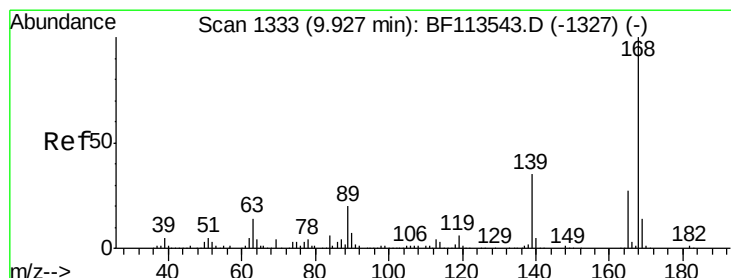
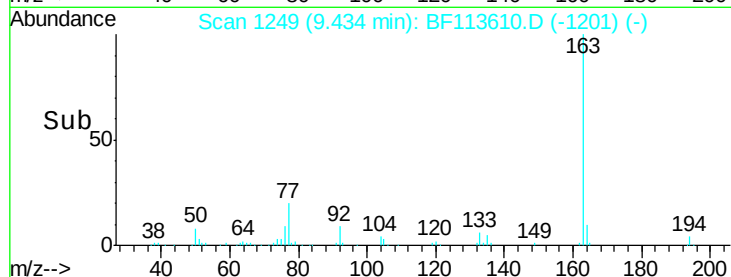
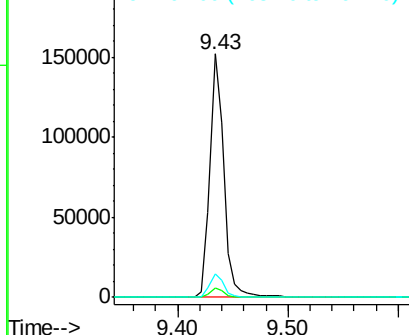
#50
Dimethylphthalate
Concen: 10.126 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 130087
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 9.7 8.1 12.1

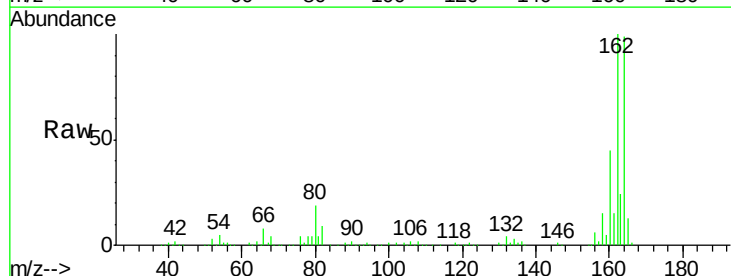


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

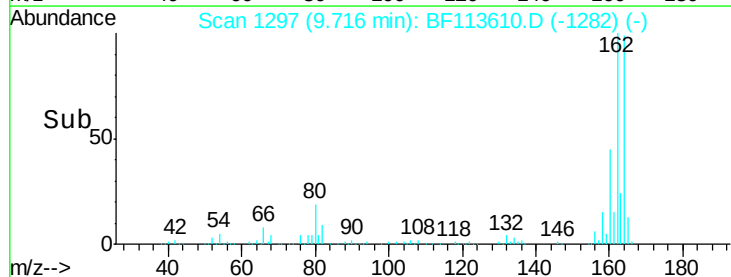
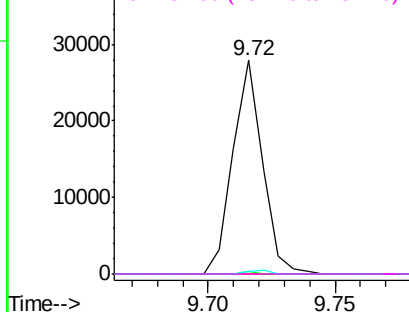


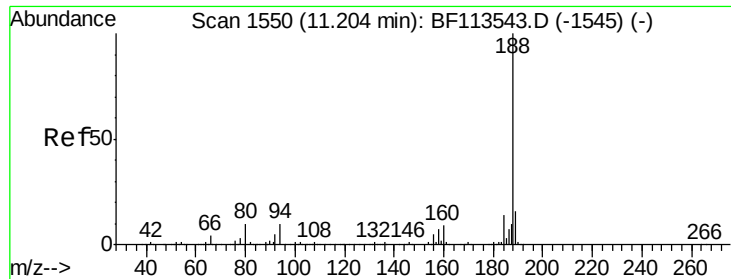
#57
2,4-Dinitrotoluene
Concen: 6.607 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.21 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Tgt Ion:165 Resp: 22629
Ion Ratio Lower Upper
165 100
63 1.4 37.5 56.3#
89 1.3 57.4 86.2#
182 0.0 2.0 3.0#



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

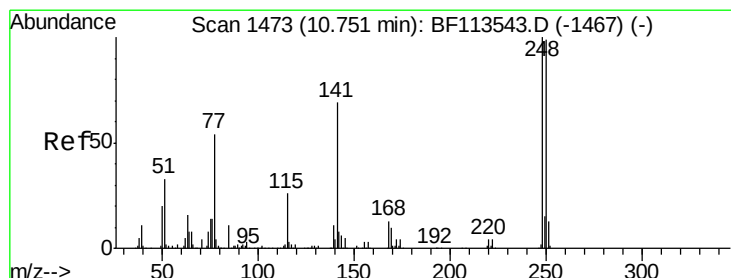
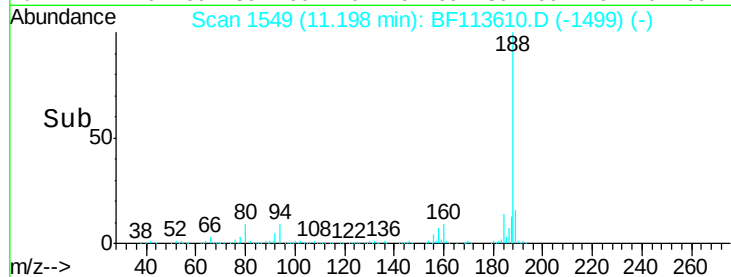
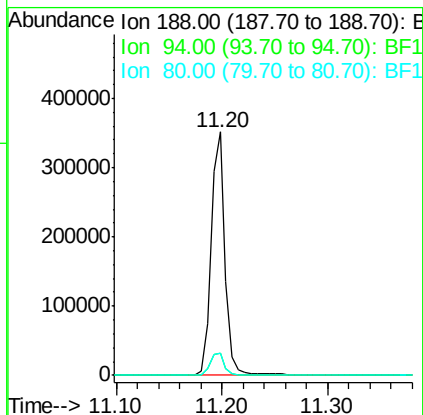
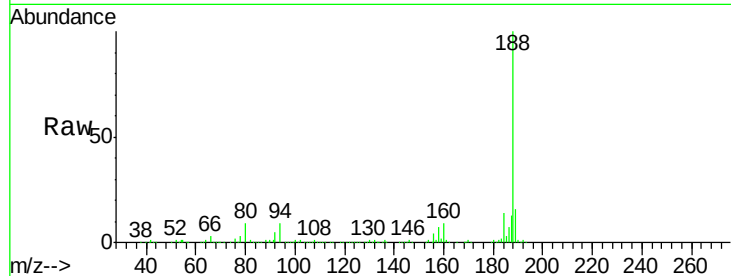




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF113610.D
 Acq: 5 Apr 2019 4:13

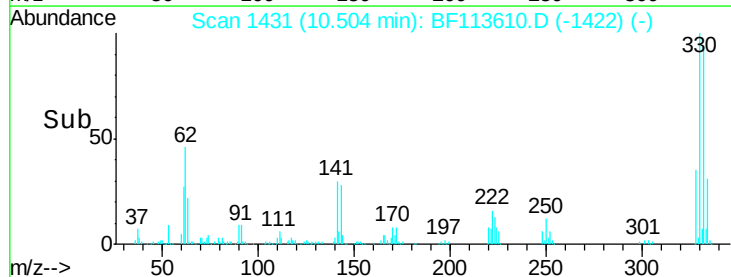
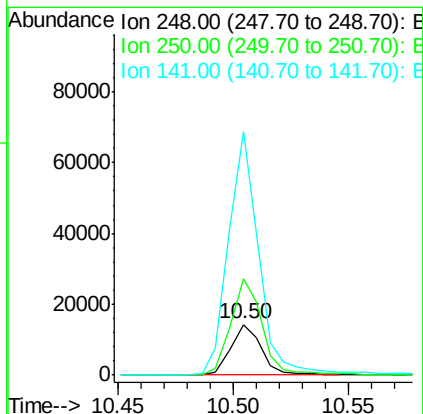
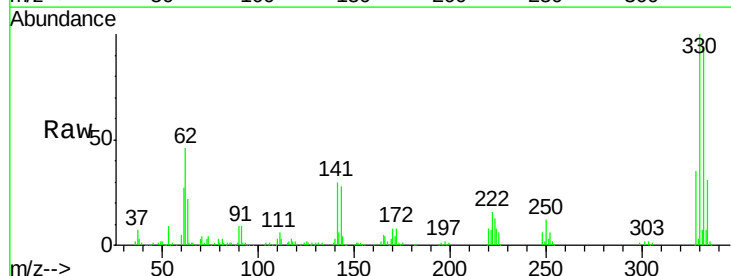
Instrument :
 BNA_F
 ClientSampleId :

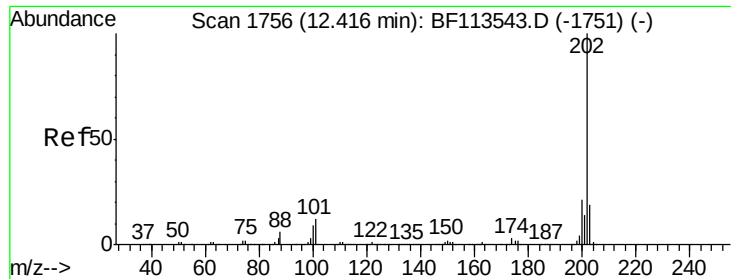
Tot Ion:188 Resp: 324940
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.0 10.6
 80 9.2 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.603 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF113610.D
 Acq: 5 Apr 2019 4:13

Tgt Ion:248 Resp: 13131
 Ion Ratio Lower Upper
 248 100
 250 189.0 78.3 117.5#
 141 479.5 56.2 84.4#





#75

Fluoranthene

Concen: 2.355 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

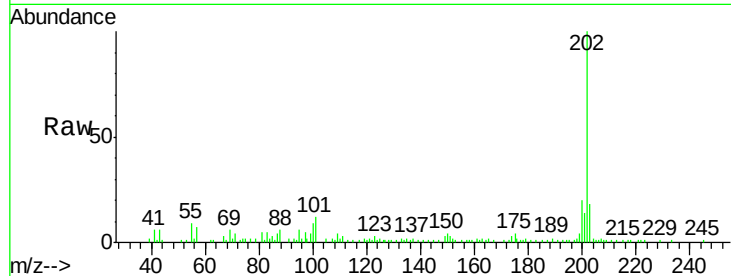
Instrument :

BNA_F

ClientSampleId :

Tot Ion:202 Resp: 40739

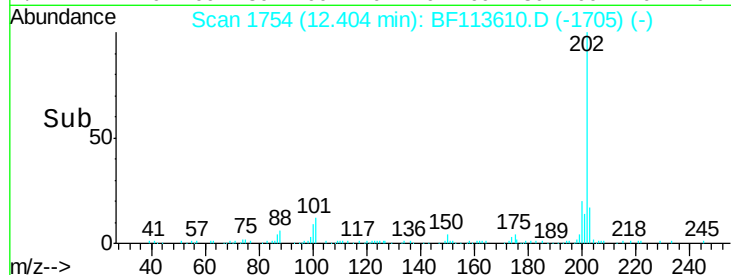
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	18.3	0.0	38.0



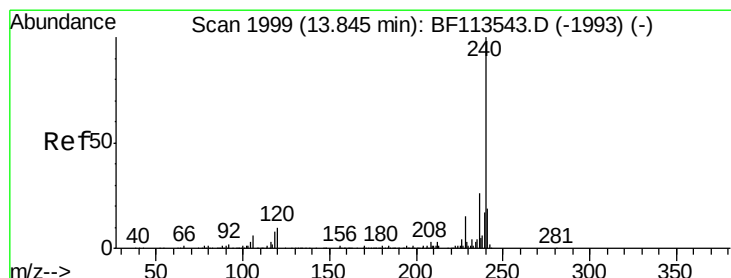
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

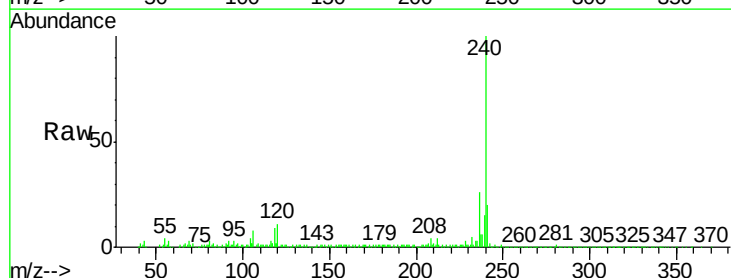
Delta R.T. -0.02 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

Tgt Ion:240 Resp: 205852

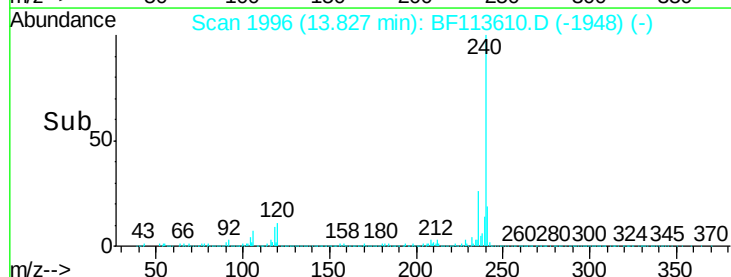
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.8	13.2
236	25.7	20.9	31.3



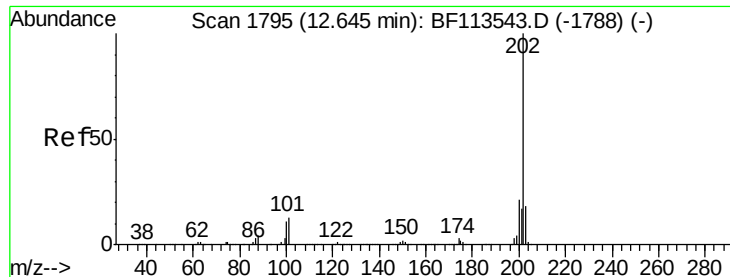
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Pvrene

Concen: 2.324 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

Instrument :

BNA_F

ClientSampleId :

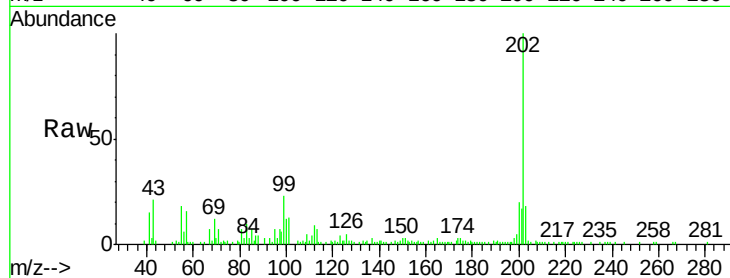
Tot Ion:202 Resp: 36408

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

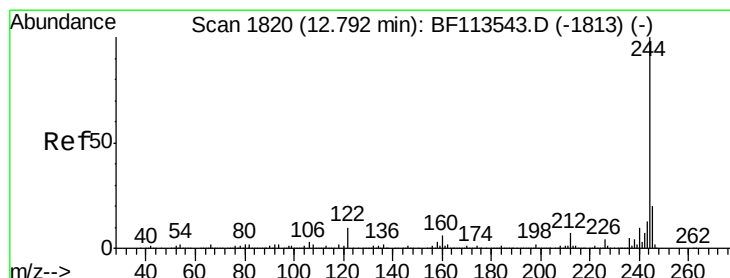
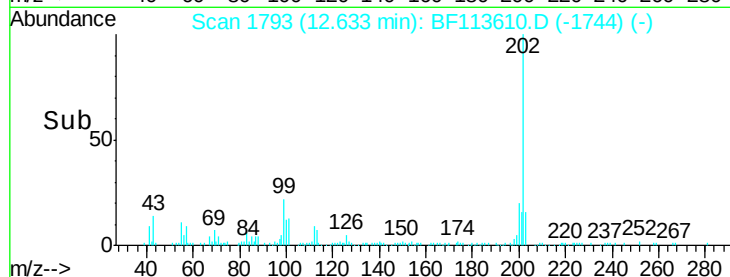
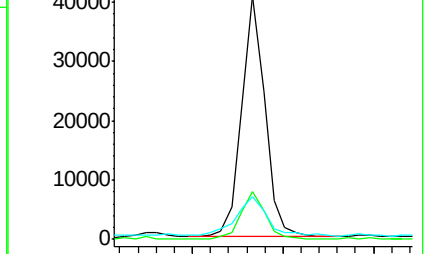
203 17.6 14.4 21.6



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



#79

Terphenyl-d14

Concen: 85.745 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

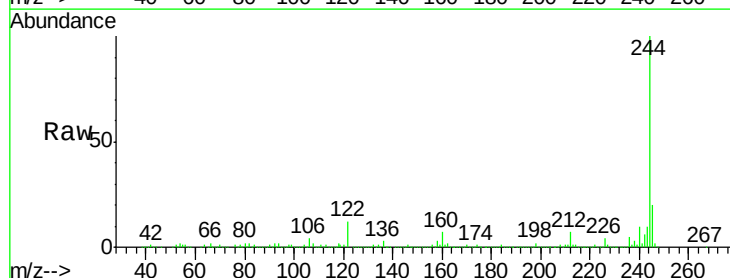
Tgt Ion:244 Resp: 866923

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

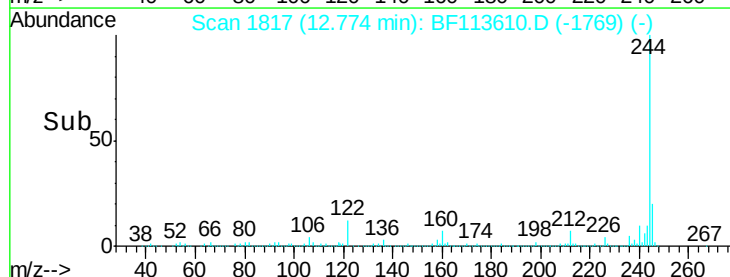
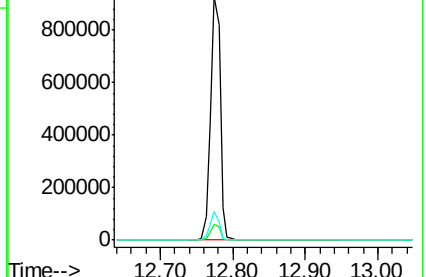
122 11.7 8.6 13.0

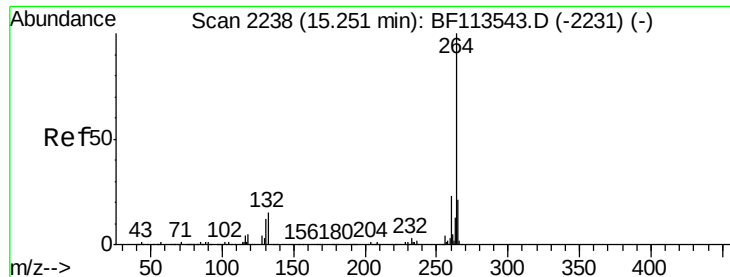


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

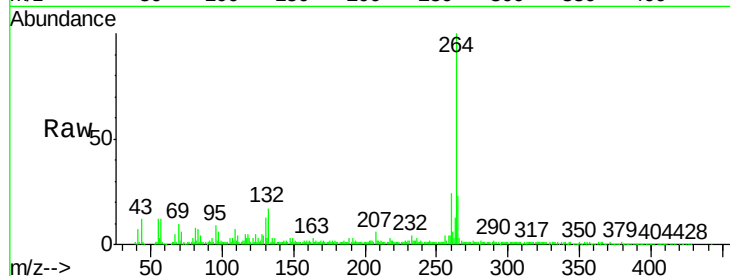
Instrument :

BNA_F

ClientSampleId :

Tot Ion:264 Resp: 167370

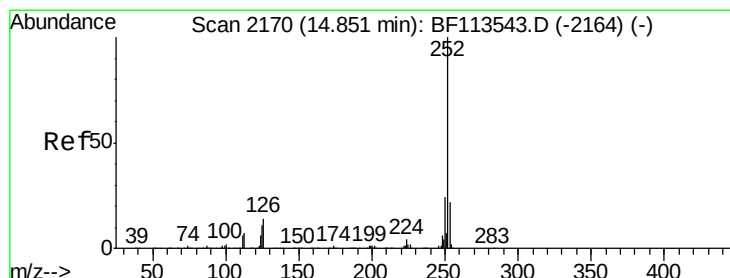
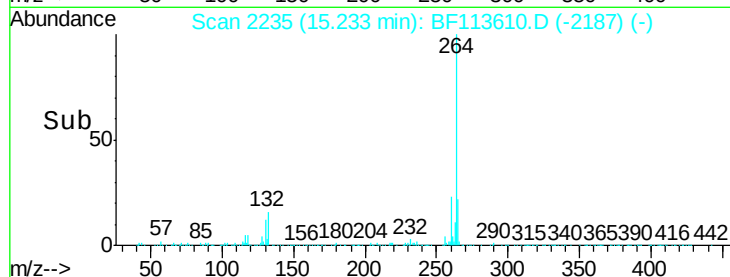
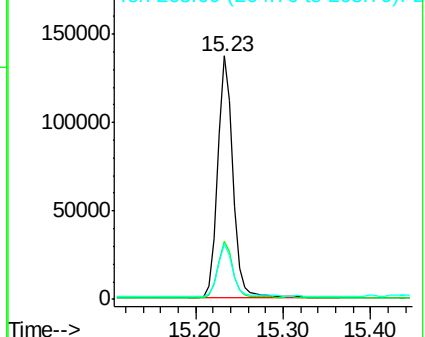
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	22.6	17.1	25.7



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: 3.458 ng

RT: 14.84 min Scan# 2168

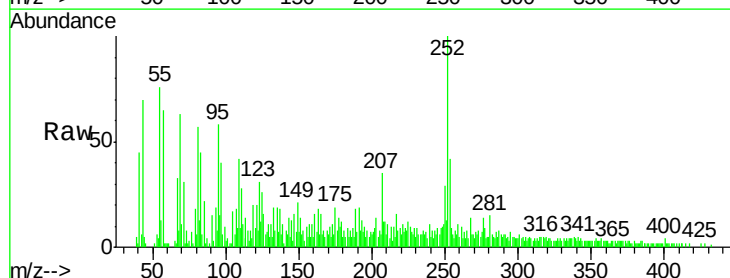
Delta R.T. -0.01 min

Lab File: BF113610.D

Acq: 5 Apr 2019 4:13

Tgt Ion:252 Resp: 35431

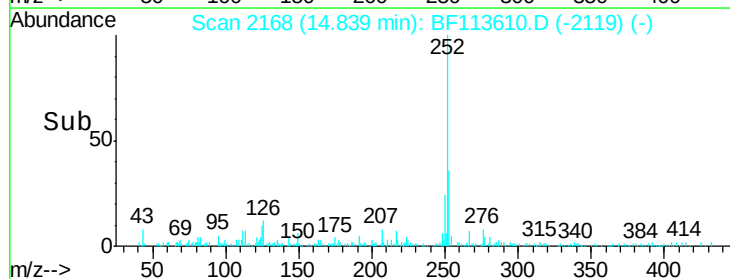
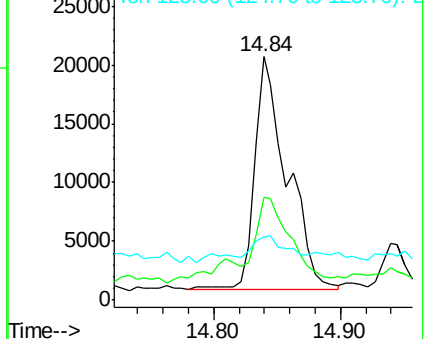
Ion	Ratio	Lower	Upper
252	100		
253	42.1	18.0	27.0#
125	26.2	7.6	11.4#

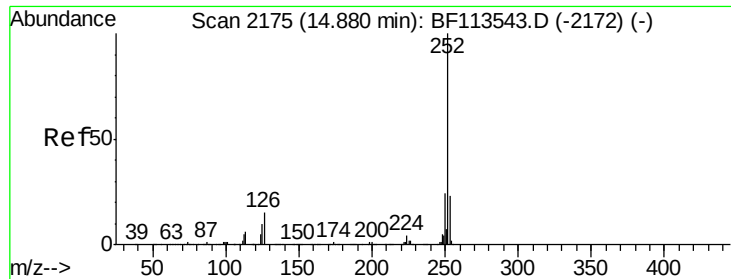


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

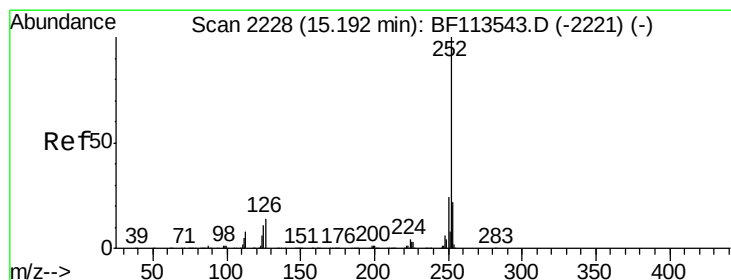
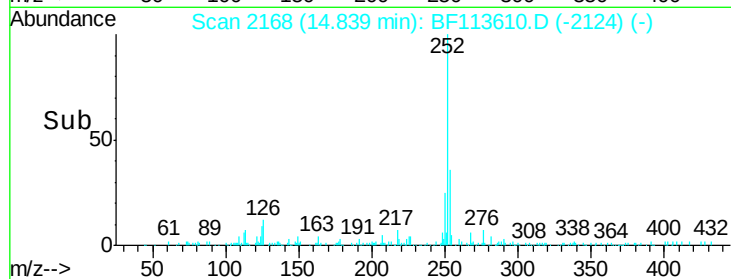
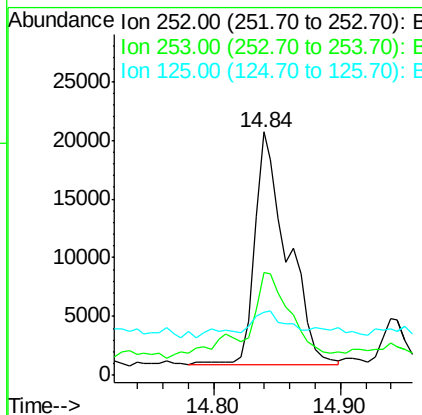
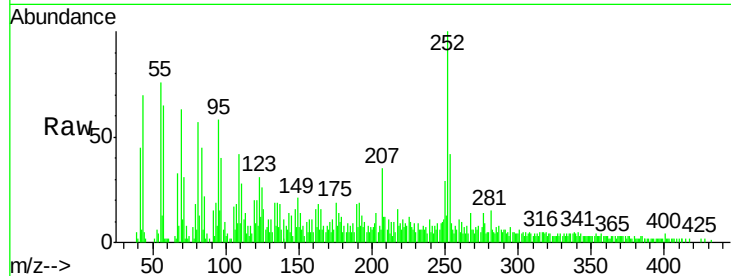




#89
Benzo(k)fluoranthene
Concen: 3.853 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 35431
Ion Ratio Lower Upper
252 100
253 42.1 17.7 26.5#
125 26.2 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.033 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113610.D
Acq: 5 Apr 2019 4:13

Tgt Ion:252 Resp: 18504
Ion Ratio Lower Upper
252 100
253 32.1 17.9 26.9#
125 31.0 8.8 13.2#

