

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\
 Data File : BF113805.D
 Acq On : 16 Apr 2019 20:49
 Operator : JU/SJ
 Sample : K2413-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 17 01:08:12 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	6.67	152	62908	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	226194	20.00	ng	-0.01
39) Acenaphthene-d10	9.70	164	92334	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	163254	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	170034	20.00	ng	-0.02
87) Perylene-d12	15.24	264	159279	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	280668	76.08	ng	0.00
7) Phenol-d6	6.34	99	375370	82.56	ng	0.00
23) Nitrobenzene-d5	7.25	82	206542	53.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	71788	64.72	ng	-0.01
45) 2-Fluorobiphenyl	9.03	172	397794	69.36	ng	-0.02
79) Terphenyl-d14	12.76	244	367384	43.99	ng	-0.03

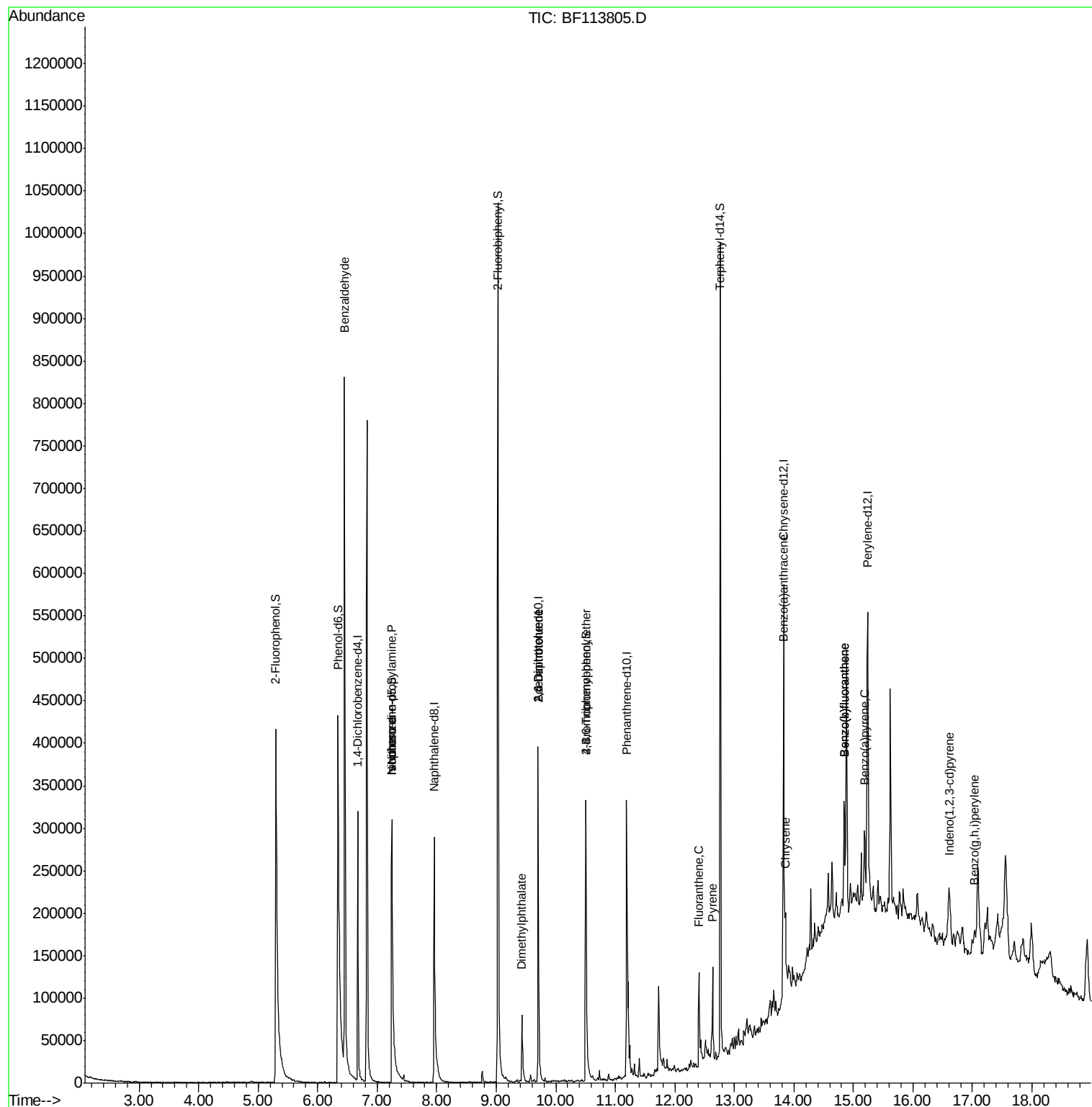
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	5938	2.196	ng	# 74
19) n-Nitroso-di-n-propylamine	7.25	70	25472	9.085	ng	# 79
25) Isophorone	7.25	82	206542	27.765	ng	# 64
50) Dimethylphthalate	9.43	163	48922	7.188	ng	99
51) 2,6-Dinitrotoluene	9.70	165	11607	7.736	ng	# 25
57) 2,4-Dinitrotoluene	9.70	165	11607	6.397	ng	# 22
67) 4-Bromophenyl-phenylether	10.50	248	3699	2.020	ng	# 1
75) Fluoranthene	12.40	202	51456	5.919	ng	99
78) Pyrene	12.63	202	50354	3.892	ng	98
81) Benzo(a)anthracene	13.82	228	36976	3.770	ng	97
83) Chrysene	13.86	228	37774	3.799	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	23043	2.510	ng	97
88) Benzo(b)fluoranthene	14.84	252	85957	8.816	ng	# 92
89) Benzo(k)fluoranthene	14.84	252	85957	9.823	ng	# 92
90) Benzo(a)pyrene	15.19	252	41437	4.783	ng	# 92
92) Benzo(g,h,i)perylene	17.04	276	24612	2.976	ng	# 90

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

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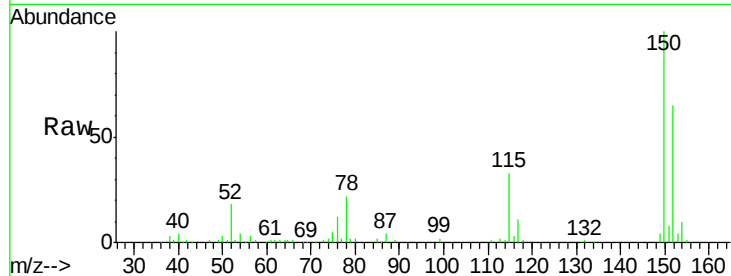


#1

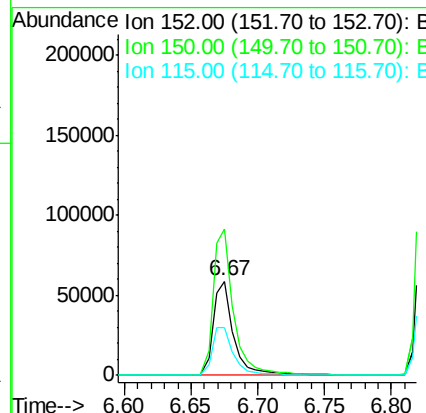
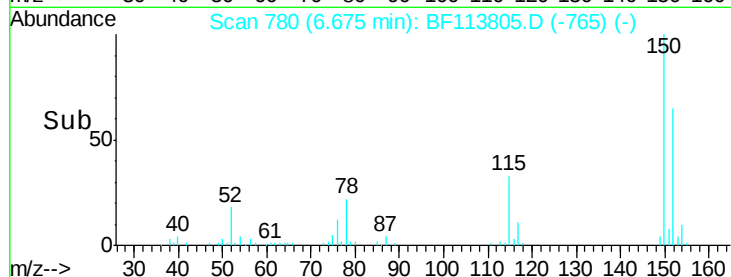
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 780
Delta R.T. -0.01 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 62908
Ion Ratio Lower Upper
152 100
150 154.6 124.7 187.1
115 50.4 46.0 69.0



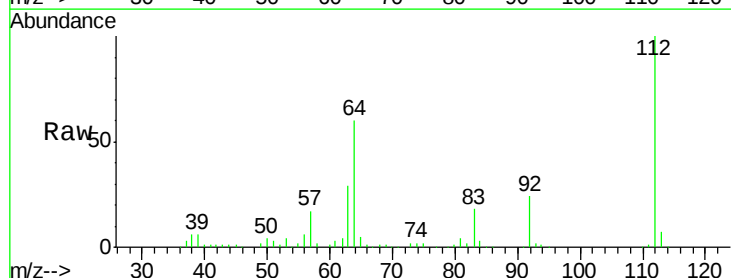
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



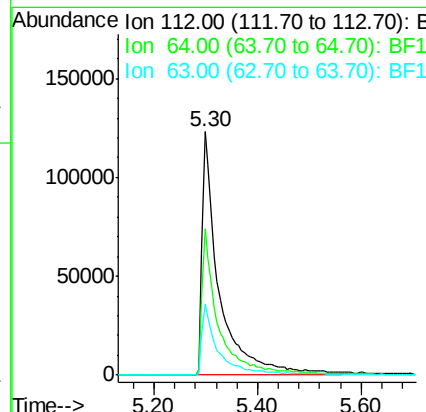
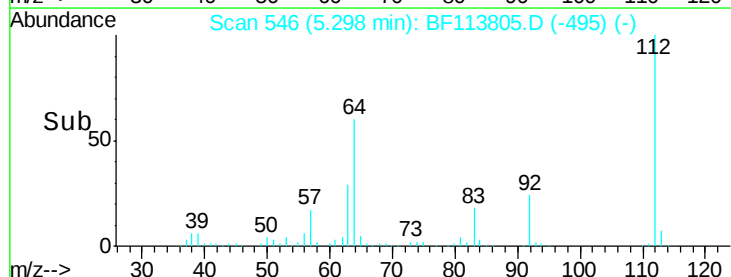
#5

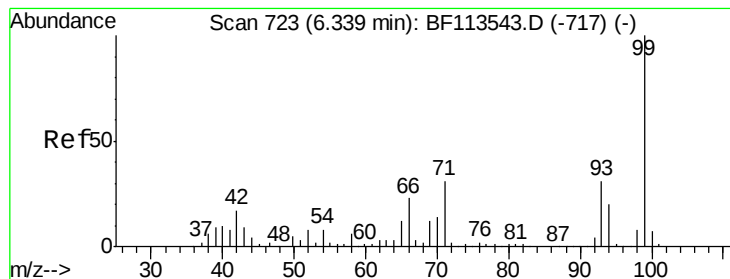
2-Fluorophenol
Concen: 76.080 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Tgt Ion:112 Resp: 280668
Ion Ratio Lower Upper
112 100
64 60.0 49.2 73.8
63 29.3 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: 82.556 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampleId :

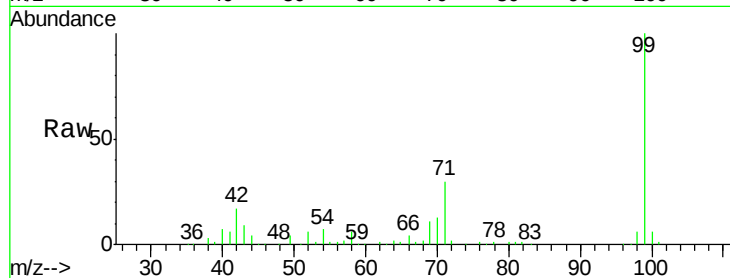
Tot Ion: 99 Resp: 375370

Ion Ratio Lower Upper

99 100

42 17.4 14.8 22.2

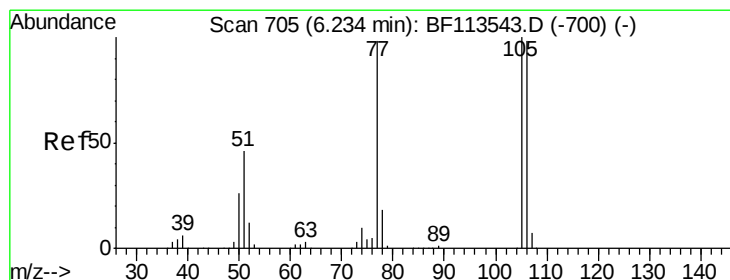
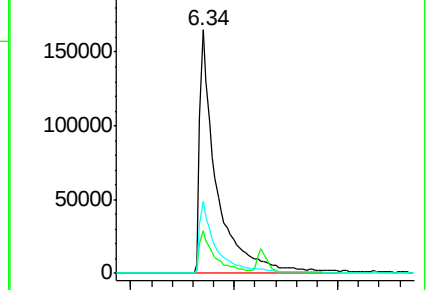
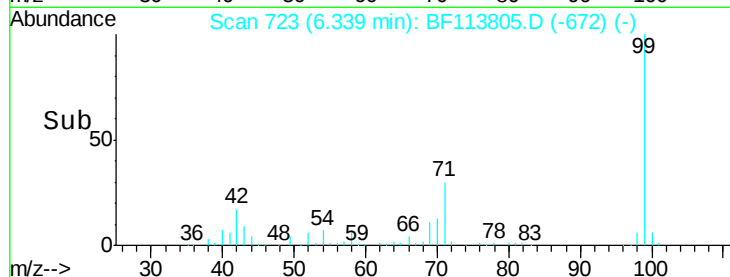
71 29.8 24.9 37.3



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



#9

Benzaldehyde

Concen: 2.196 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.22 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

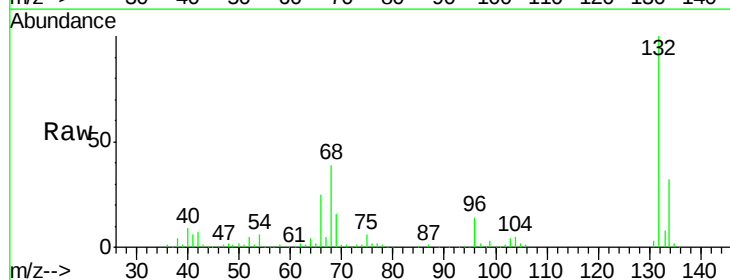
Tgt Ion: 77 Resp: 5938

Ion Ratio Lower Upper

77 100

105 77.9 80.9 120.9#

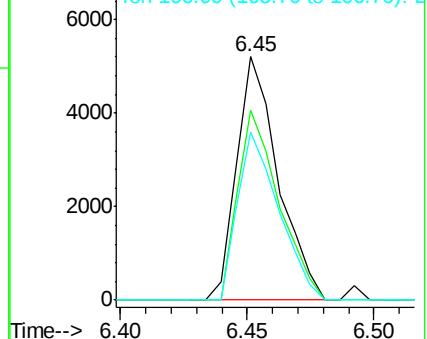
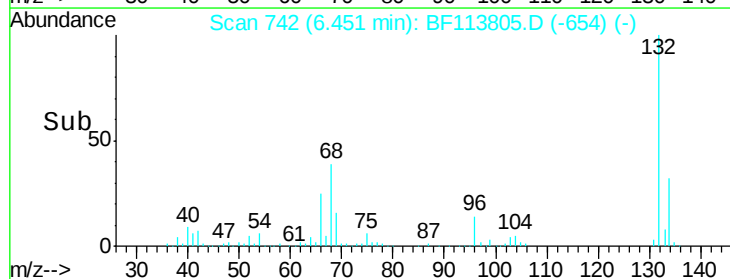
106 69.1 77.8 117.8#

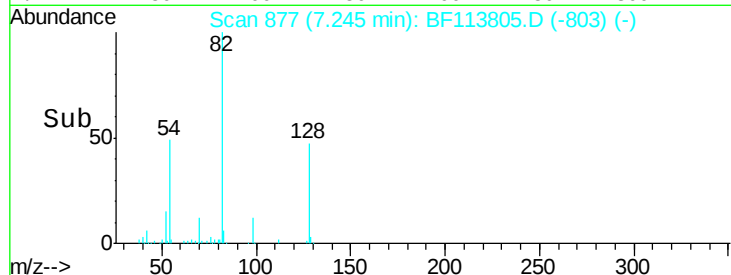
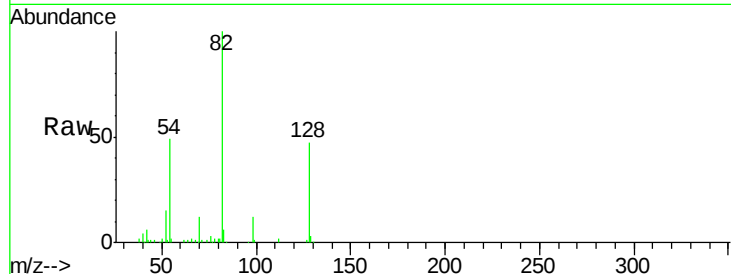
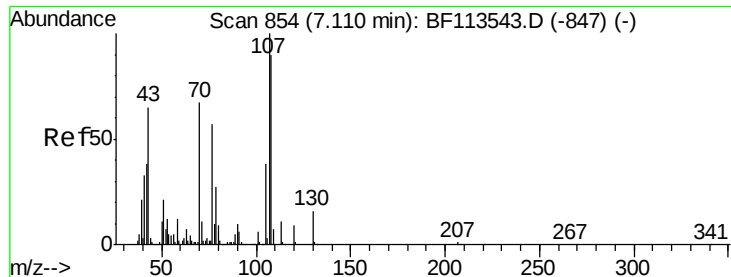


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

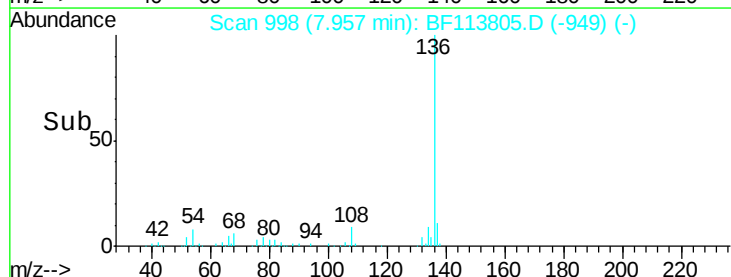
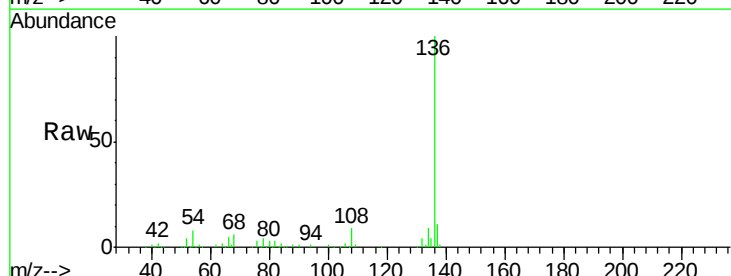
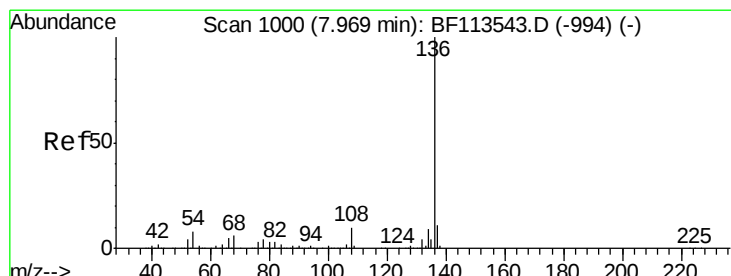
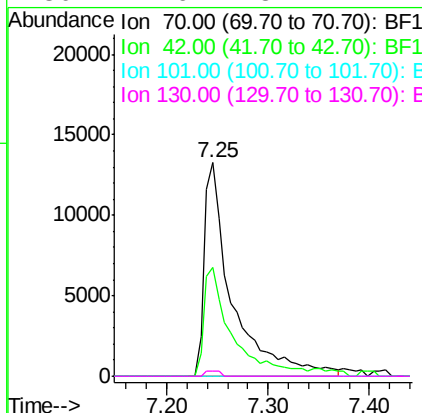




#19
n-Nitroso-di-n-propylamine
Concen: 9.085 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.14 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

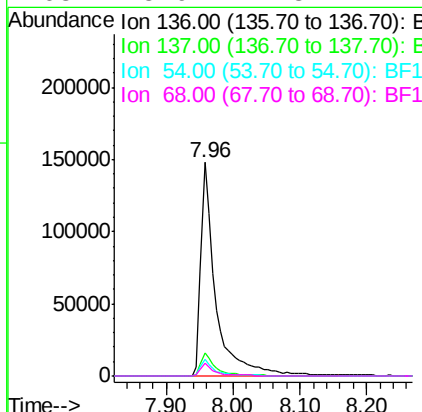
Instrument :
BNA_F
ClientSampleId :

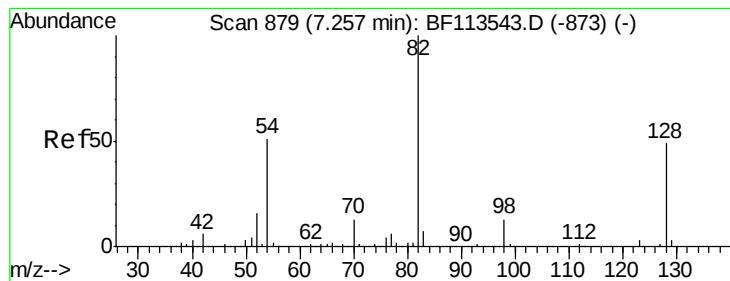
Tot Ion: 70 Resp: 25472
Ion Ratio Lower Upper
70 100
42 51.1 48.4 72.6
101 0.0 7.8 11.8#
130 2.6 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Tgt Ion:136 Resp: 226194
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.5 7.0 10.6
68 5.9 4.8 7.2





#23

Nitrobenzene-d5

Concen: 53.486 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampleId :

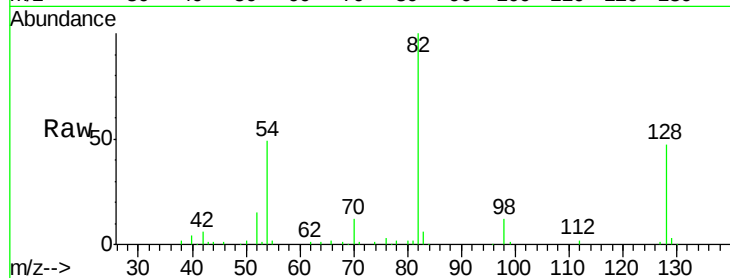
Tot Ion: 82 Resp: 206542

Ion Ratio Lower Upper

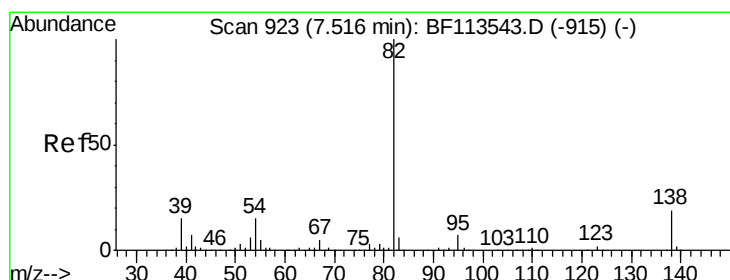
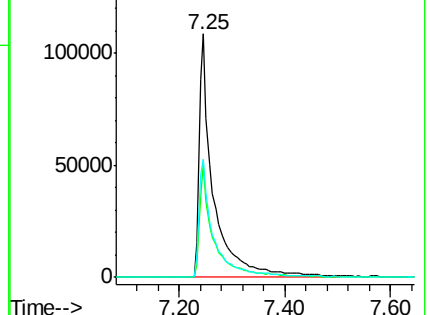
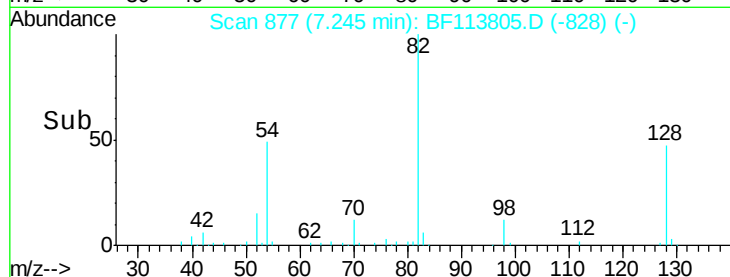
82 100

128 46.6 36.5 54.7

54 48.6 42.2 63.2



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: 27.765 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

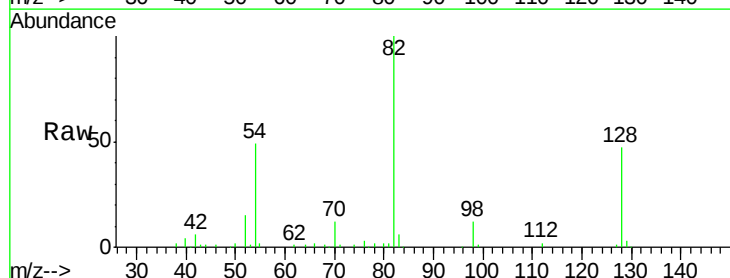
Tgt Ion: 82 Resp: 206542

Ion Ratio Lower Upper

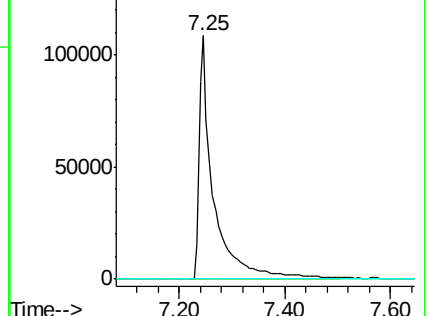
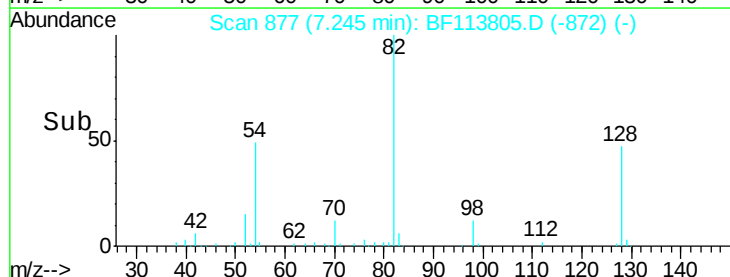
82 100

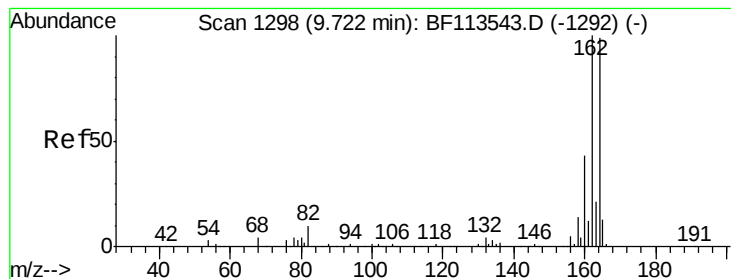
95 0.0 5.5 8.3#

138 0.0 15.2 22.8#



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: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampleId :

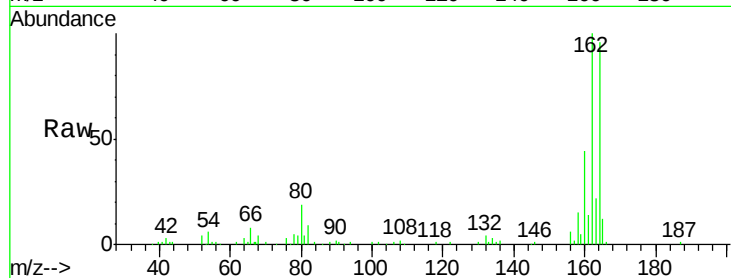
Tot Ion:164 Resp: 92334

Ion Ratio Lower Upper

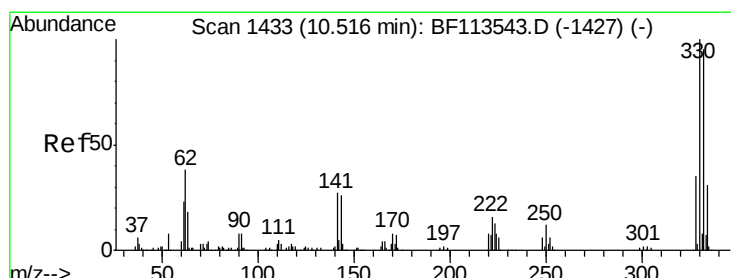
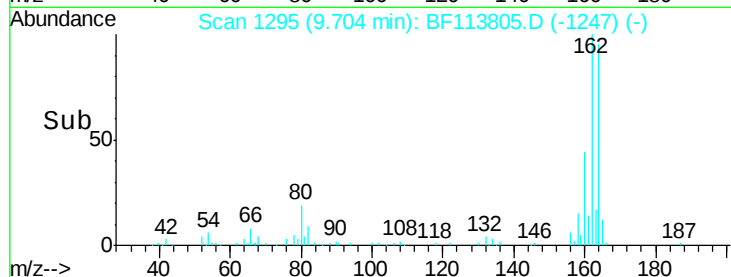
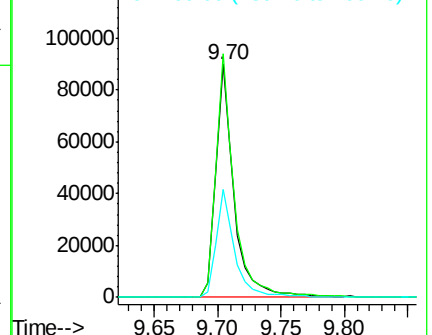
164 100

162 104.5 81.8 122.6

160 46.1 36.4 54.6



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: 64.723 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

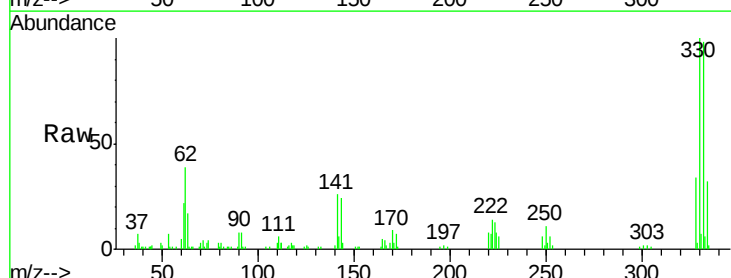
Tgt Ion:330 Resp: 71788

Ion Ratio Lower Upper

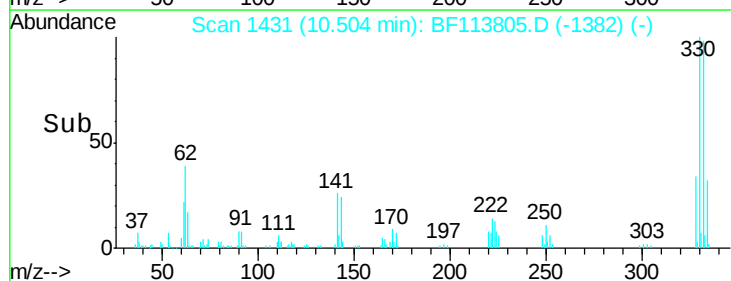
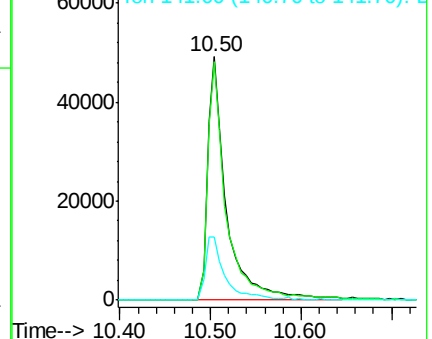
330 100

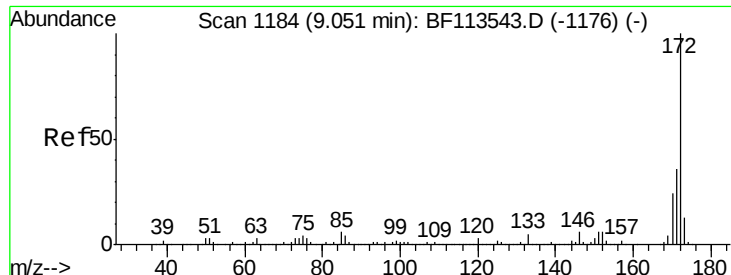
332 97.3 77.8 116.6

141 27.7 22.7 34.1



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

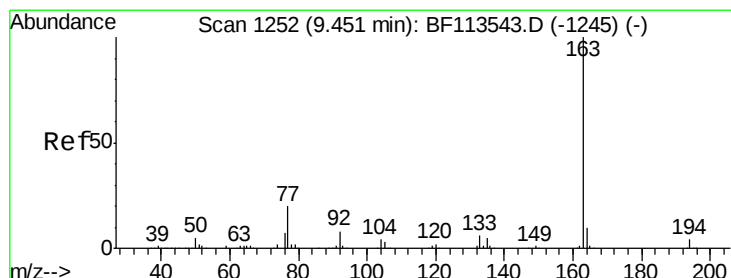
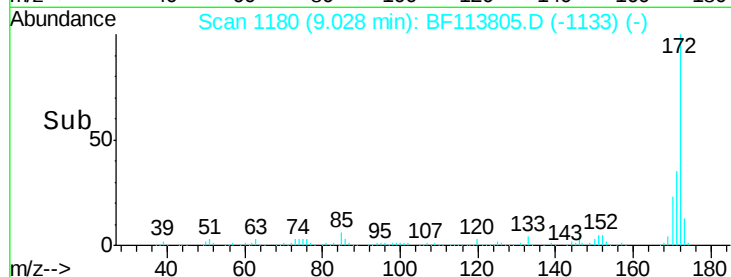
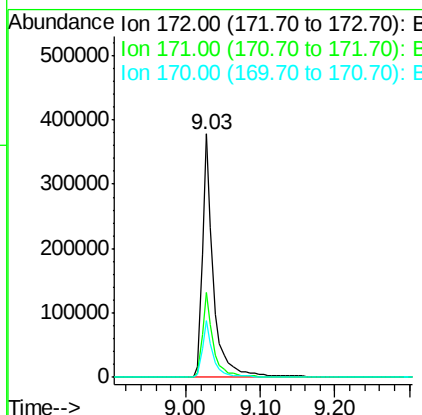
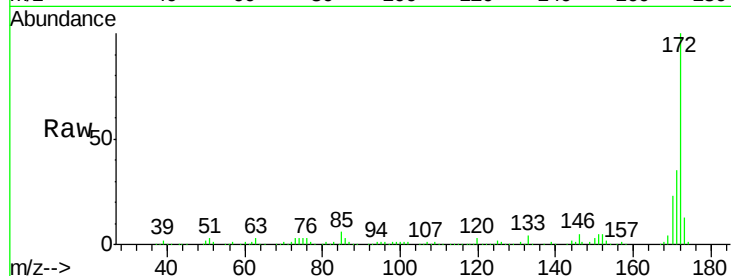




#45
2-Fluorobiphenyl
Concen: 69.357 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

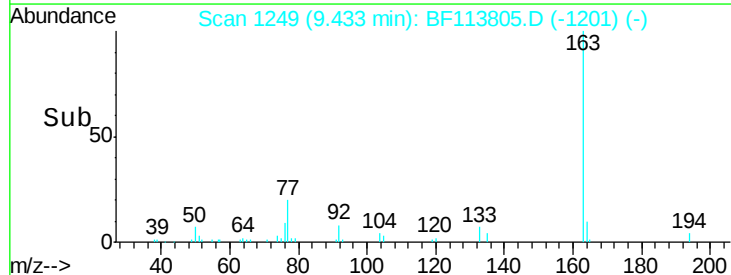
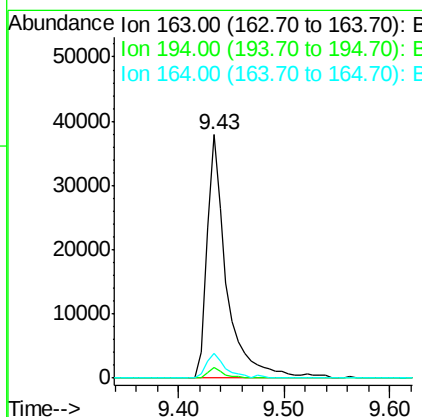
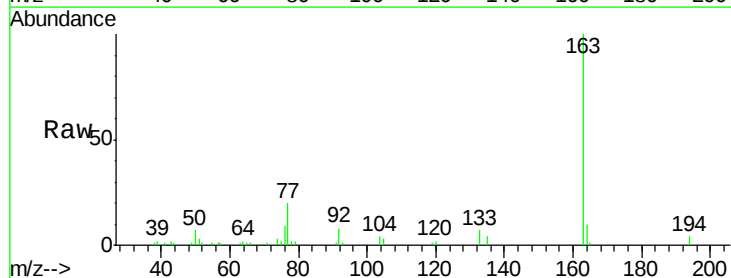
Instrument :
BNA_F
ClientSampleId :

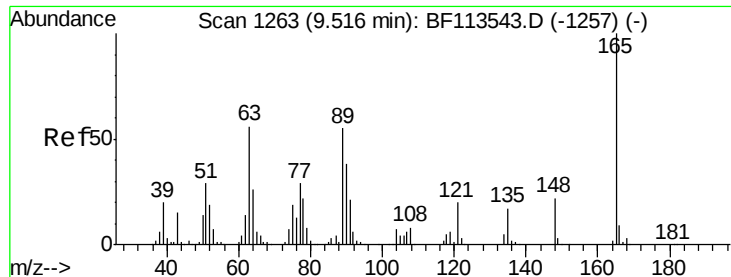
Tot Ion:172 Resp: 397794
Ion Ratio Lower Upper
172 100
171 34.9 29.0 43.6
170 23.3 19.5 29.3



#50
Dimethylphthalate
Concen: 7.188 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Tgt Ion:163 Resp: 48922
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 10.0 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 7.736 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.19 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampleId :

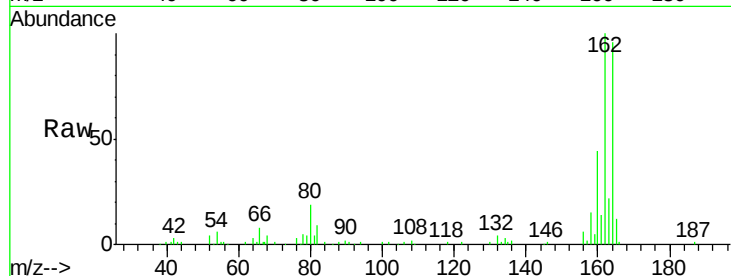
Tot Ion:165 Resp: 11607

Ion Ratio Lower Upper

165 100

63 0.0 43.4 65.0#

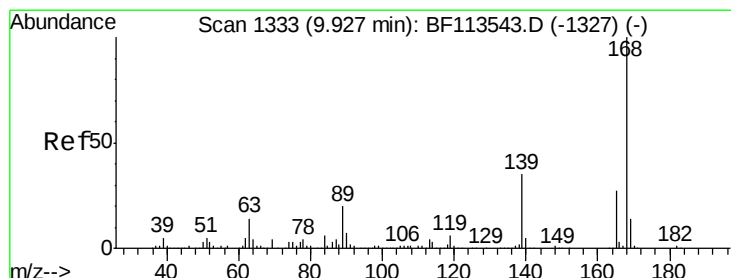
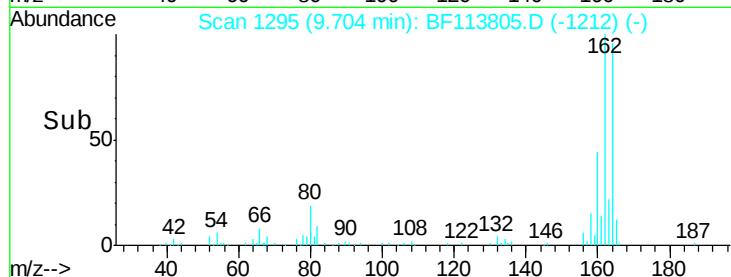
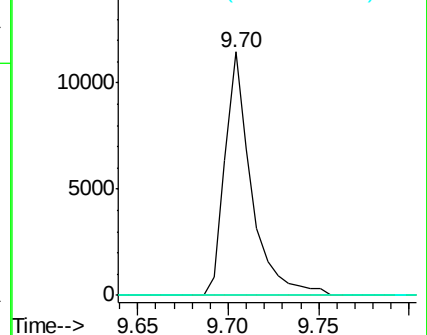
89 0.0 43.1 64.7#



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



#57

2,4-Dinitrotoluene

Concen: 6.397 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Tgt Ion:165 Resp: 11607

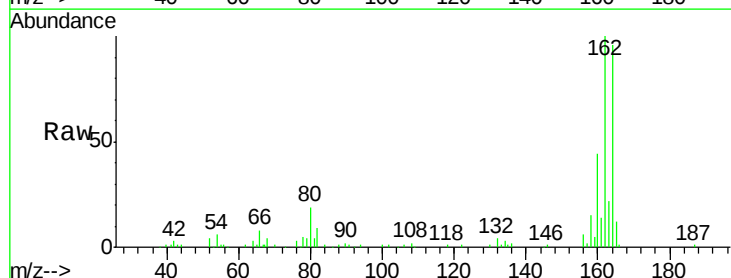
Ion Ratio Lower Upper

165 100

63 0.0 37.5 56.3#

89 0.0 57.4 86.2#

182 0.0 2.0 3.0#

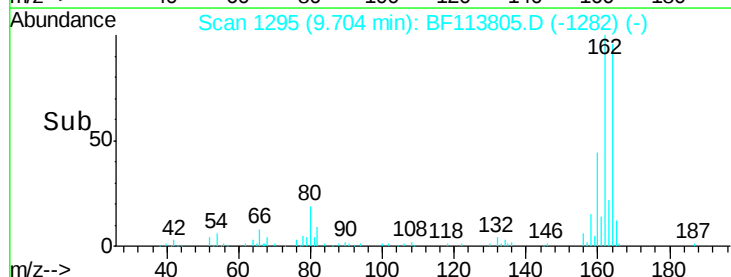
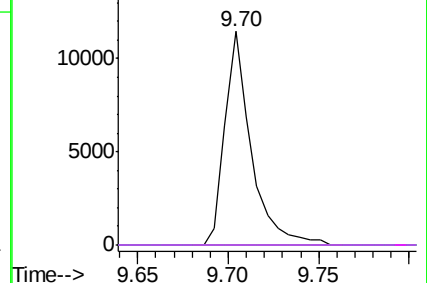


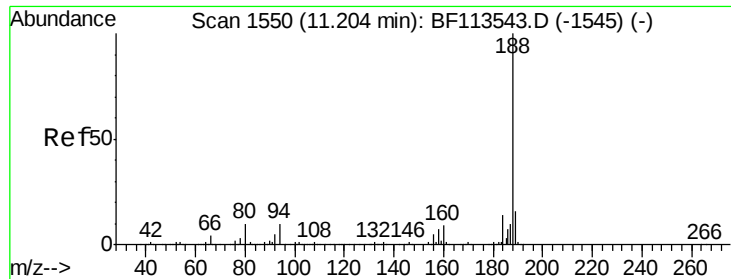
Abundance Ion 165.00 (164.70 to 165.70): E

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

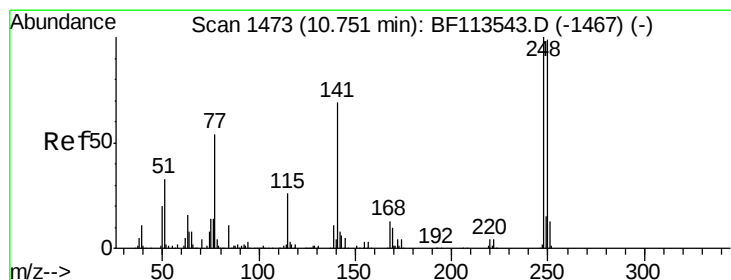
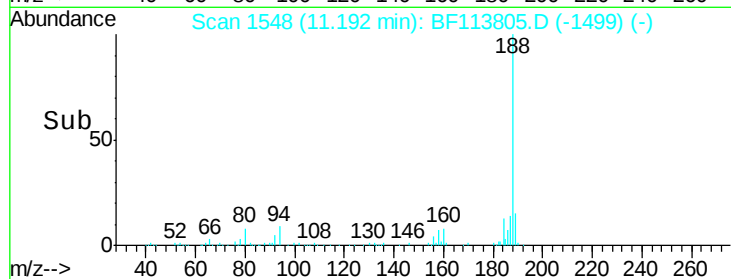
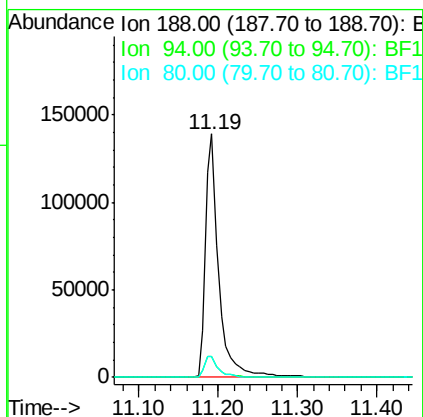
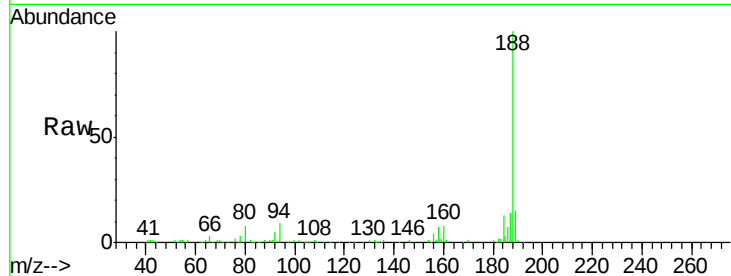




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF113805.D
 Acq: 16 Apr 2019 20:49

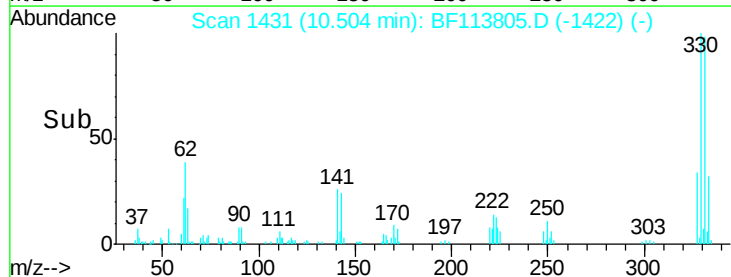
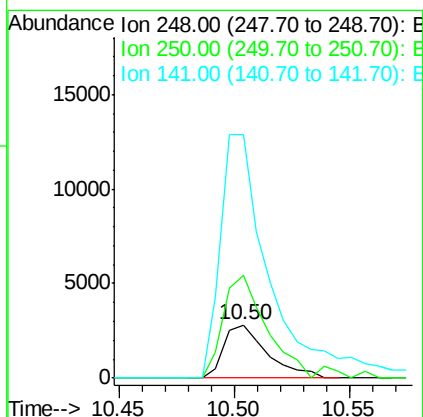
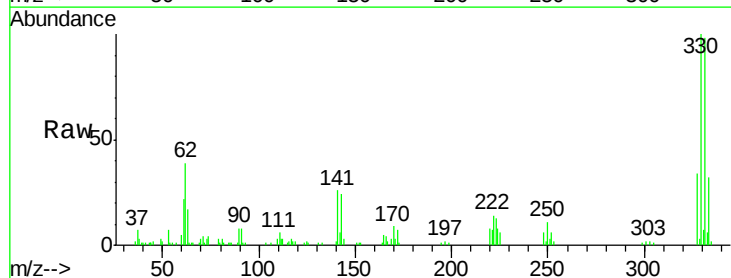
Instrument :
 BNA_F
 ClientSampleId :

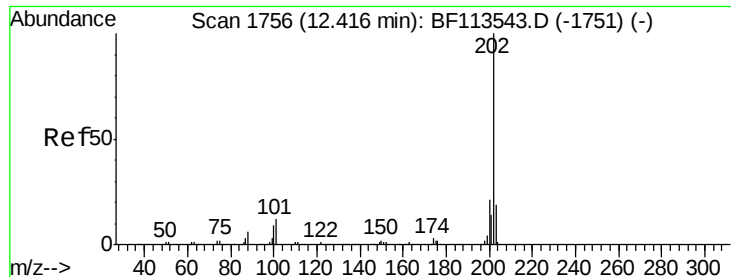
Tot Ion:188 Resp: 163254
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.0 10.6
 80 8.4 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 2.020 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.25 min
 Lab File: BF113805.D
 Acq: 16 Apr 2019 20:49

Tgt Ion:248 Resp: 3699
 Ion Ratio Lower Upper
 248 100
 250 253.4 78.3 117.5#
 141 459.3 56.2 84.4#





#75

Fluoranthene

Concen: 5.919 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampleId :

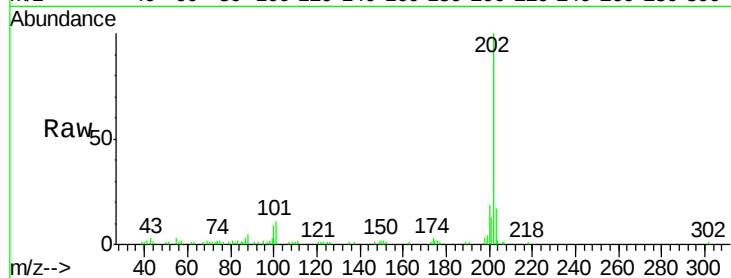
Tot Ion:202 Resp: 51456

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.4

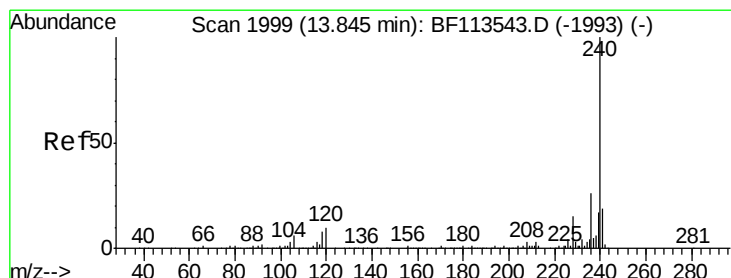
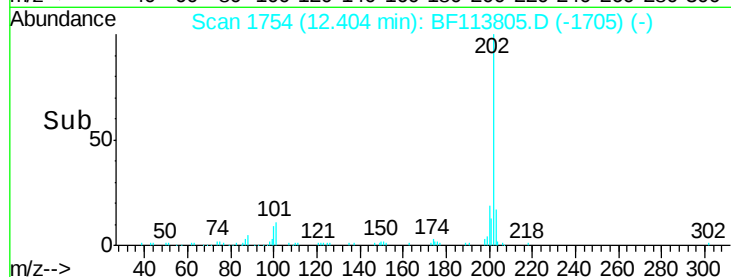
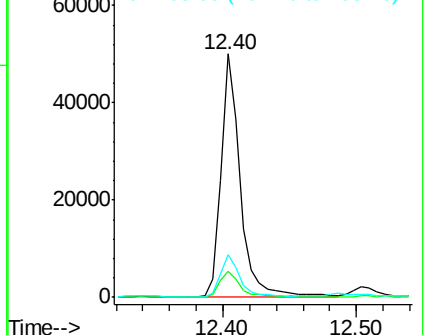
203 17.4 0.0 38.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

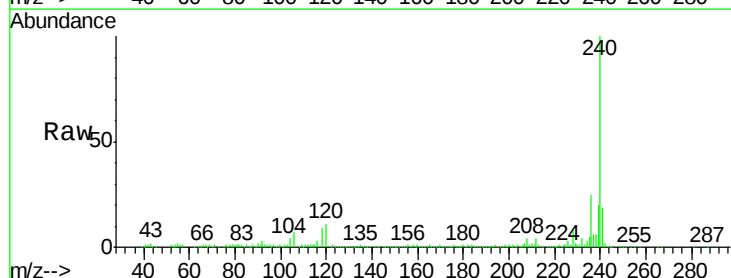
Tgt Ion:240 Resp: 170034

Ion Ratio Lower Upper

240 100

120 10.6 8.8 13.2

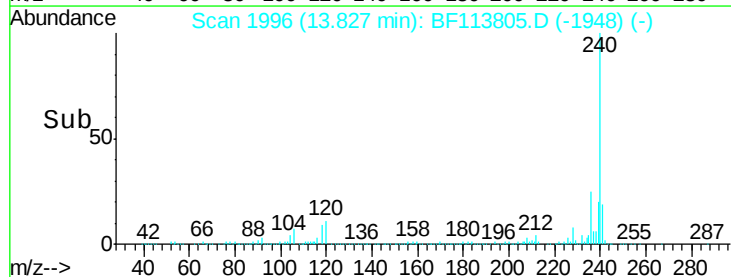
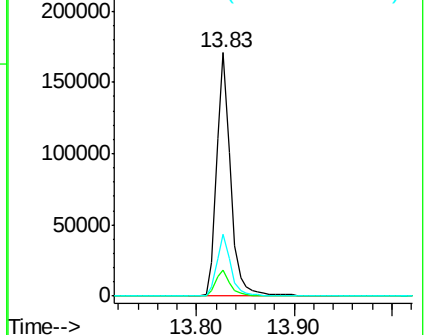
236 25.4 20.9 31.3

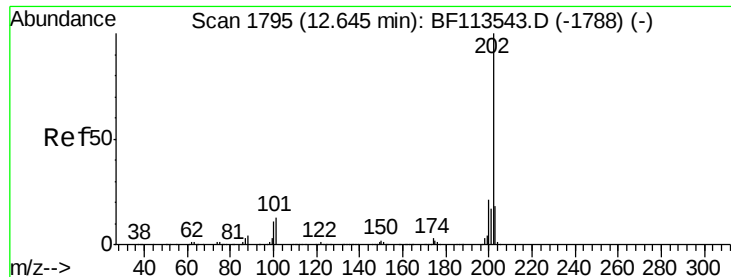


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

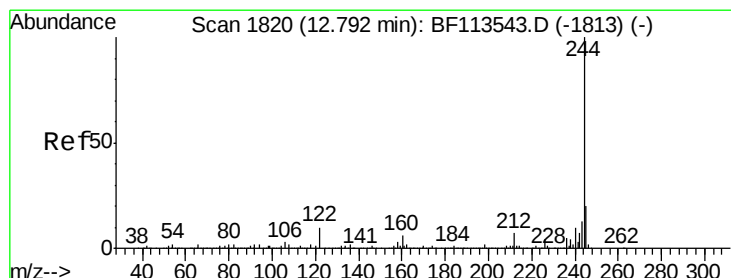
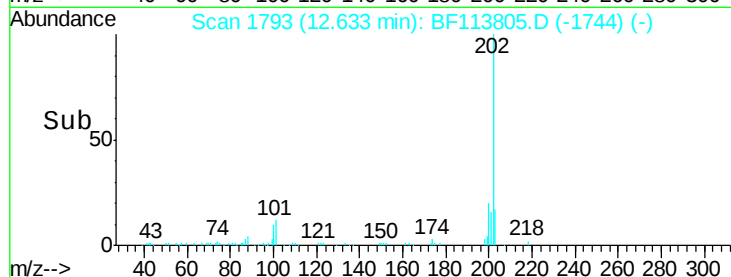
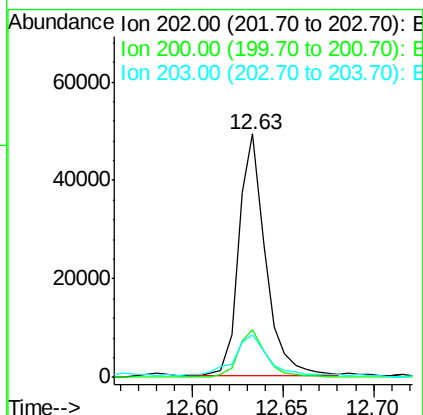
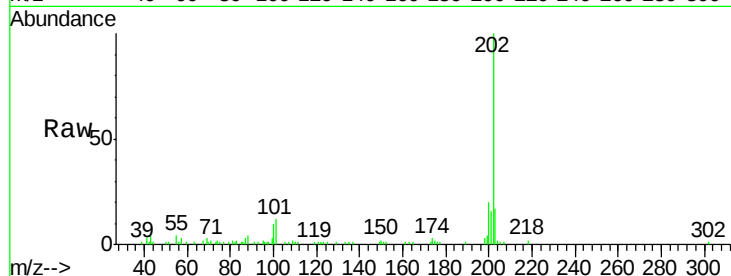




#78
Pvrene
Concen: 3.892 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

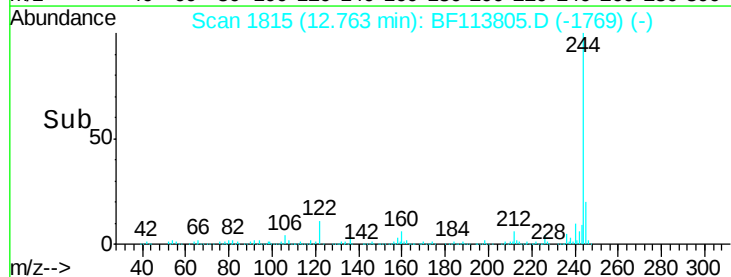
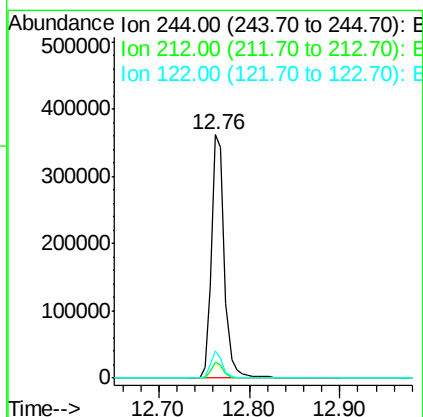
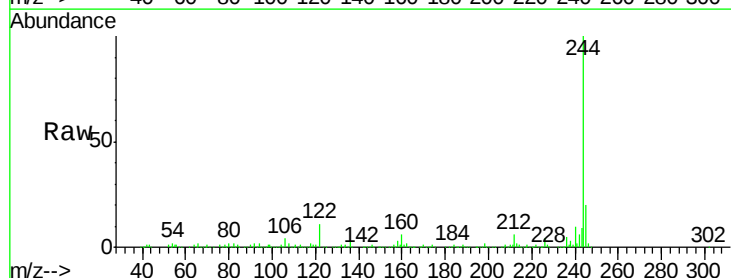
Instrument :
BNA_F
ClientSampleId :

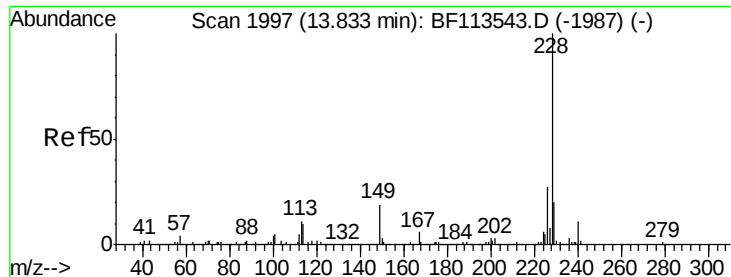
Tot Ion:202 Resp: 50354
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 17.5 14.4 21.6



#79
Terphenyl-d14
Concen: 43.991 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Tgt Ion:244 Resp: 367384
Ion Ratio Lower Upper
244 100
212 6.4 5.5 8.3
122 11.3 8.6 13.0





#81

Benzo(a)anthracene

Concen: 3.770 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampled :

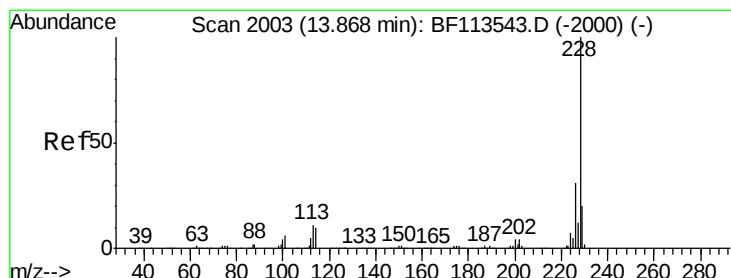
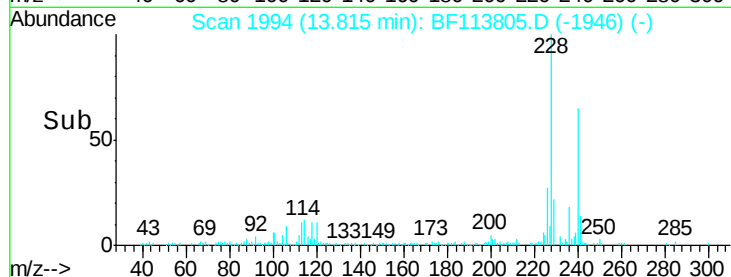
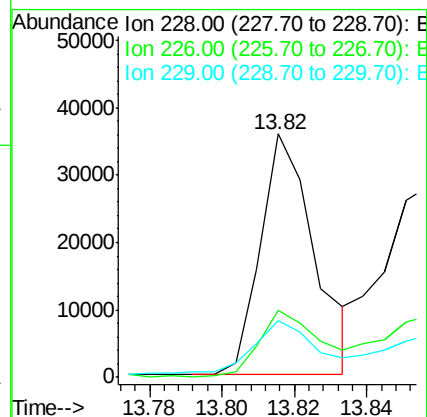
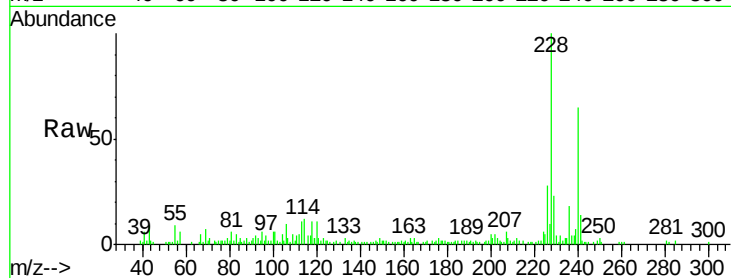
Tot Ion:228 Resp: 36976

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 23.4 16.2 24.4



#83

Chrysene

Concen: 3.799 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

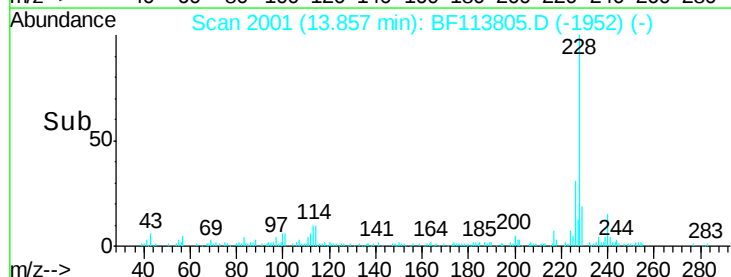
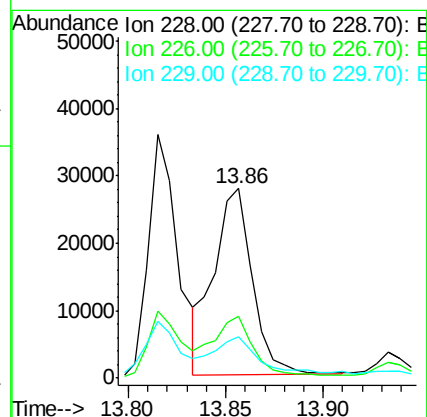
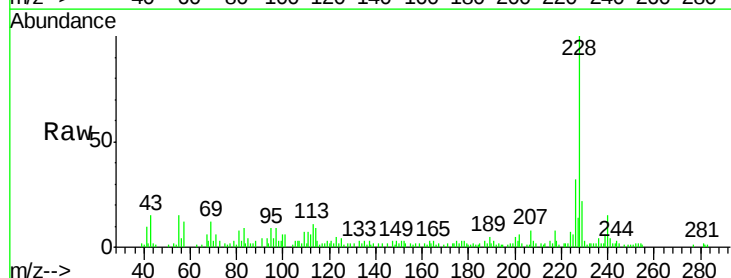
Tgt Ion:228 Resp: 37774

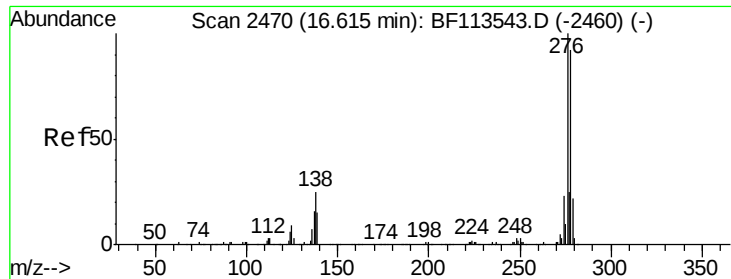
Ion Ratio Lower Upper

228 100

226 32.3 24.3 36.5

229 21.7 16.3 24.5

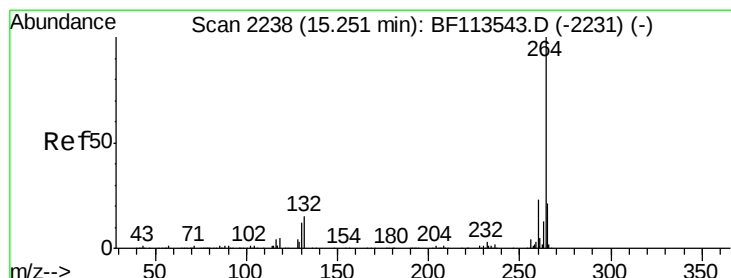
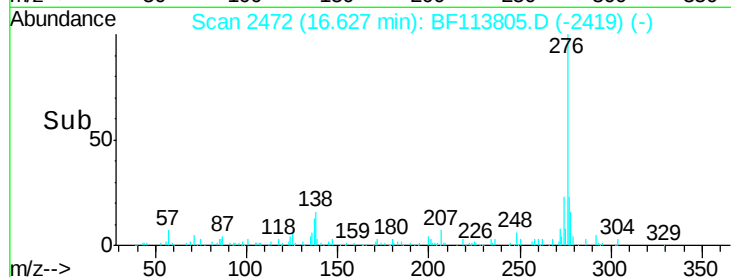
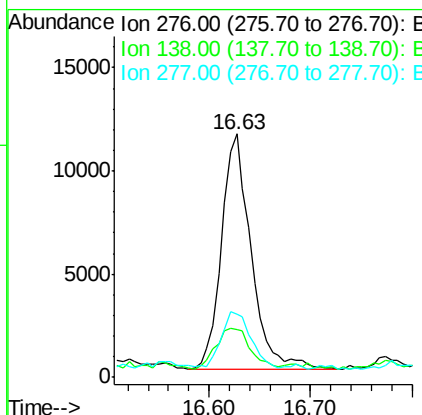
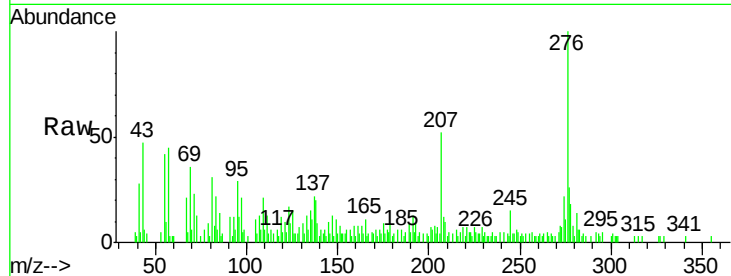




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.510 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BF113805.D
 Acq: 16 Apr 2019 20:49

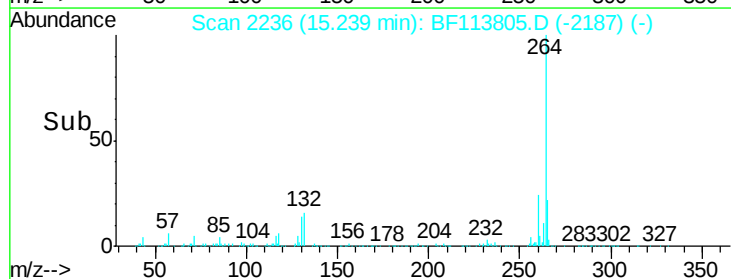
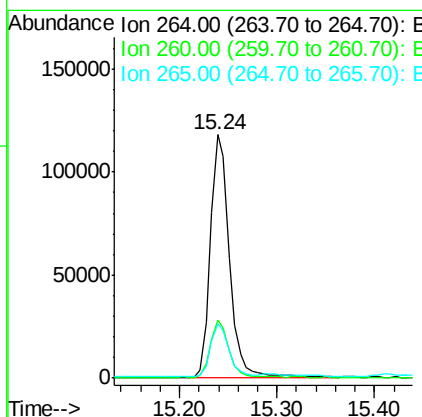
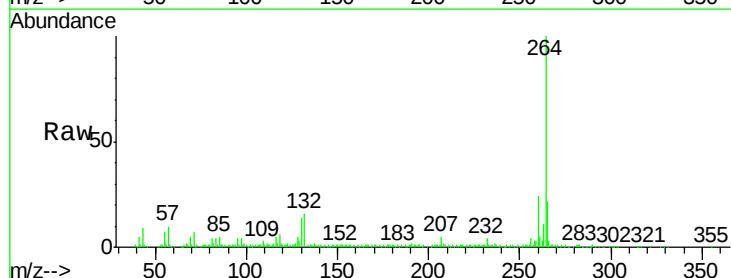
Instrument :
 BNA_F
 ClientSampleId :

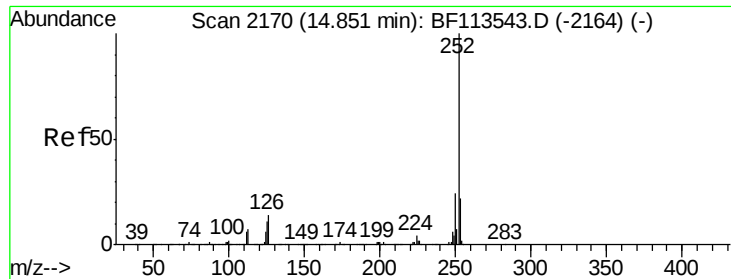
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.1	27.1
277	23.9	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113805.D
 Acq: 16 Apr 2019 20:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	22.3	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 8.816 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113805.D

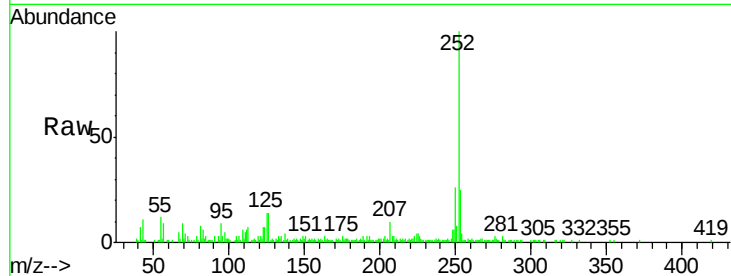
Acq: 16 Apr 2019 20:49

Instrument :

BNA_F

ClientSampleId :

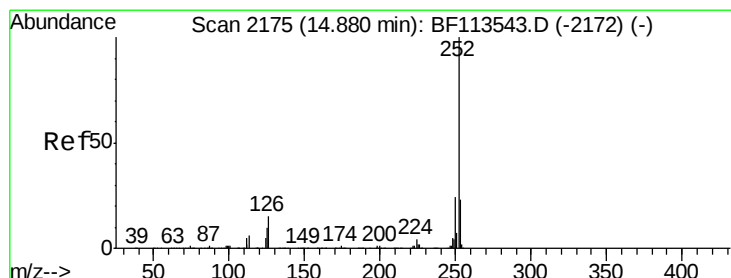
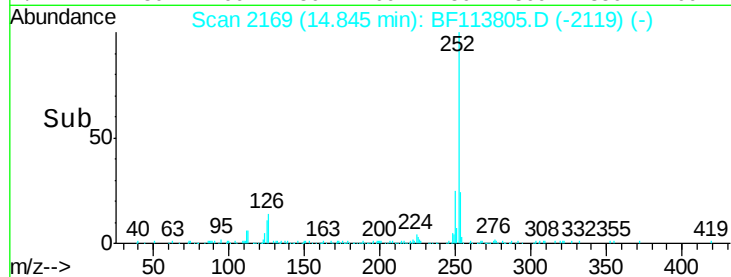
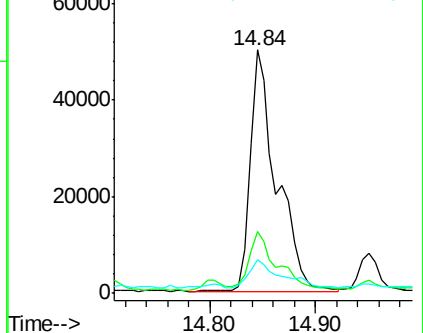
Tot Ion:	252	Resp:	85957
Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.0	27.0
125	13.8	7.6	11.4#



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: 9.823 ng

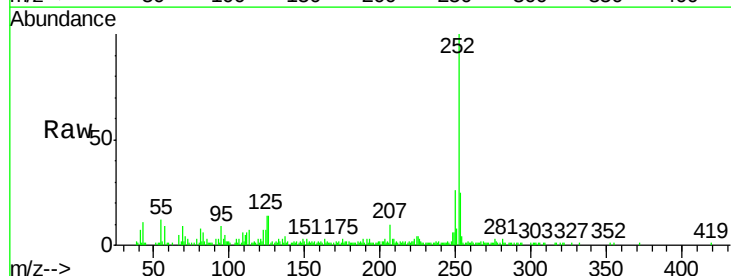
RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF113805.D

Acq: 16 Apr 2019 20:49

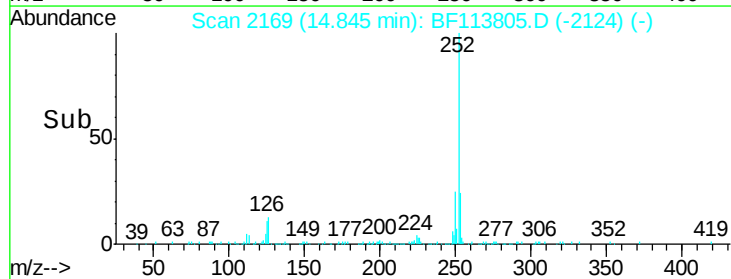
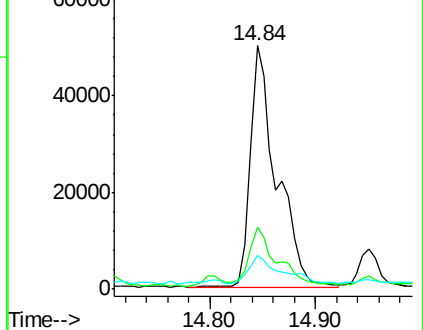
Tgt Ion:	252	Resp:	85957
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.7	26.5
125	13.8	7.3	10.9#

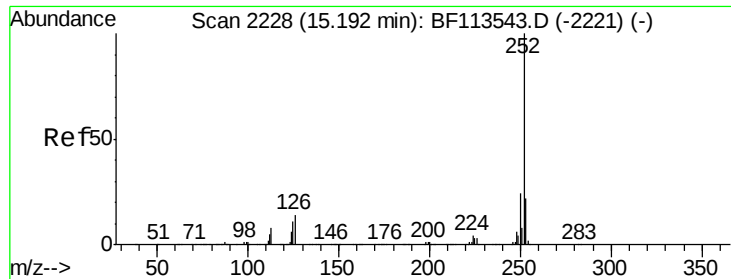


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

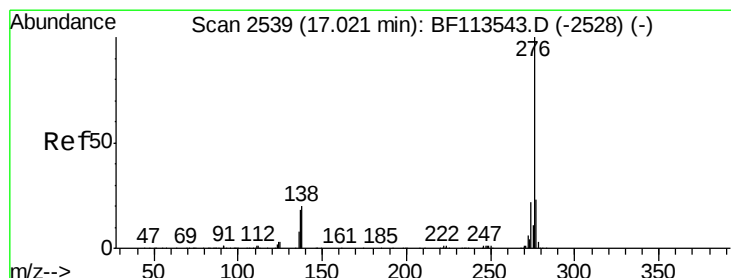
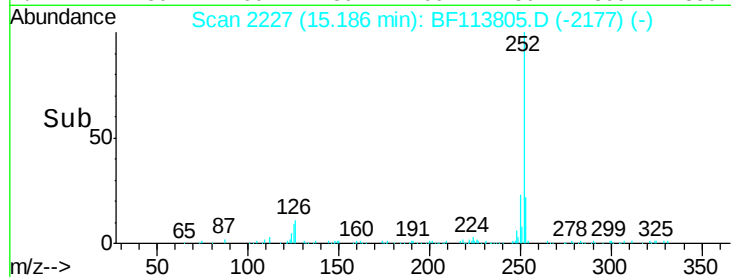
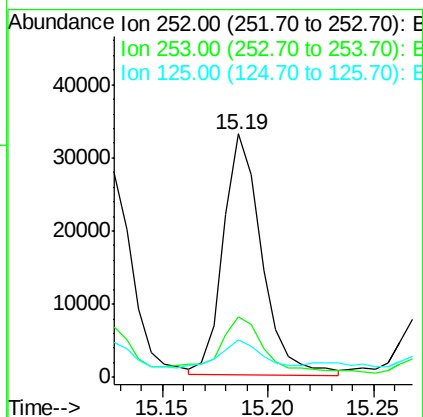
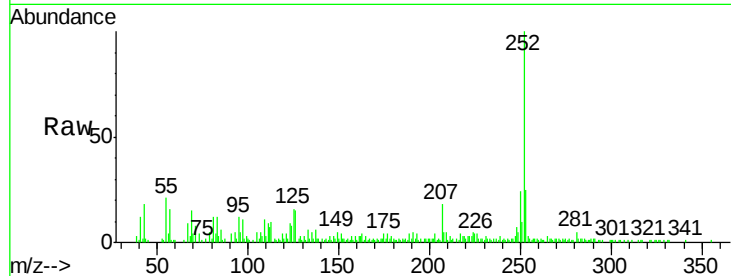




#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41437
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 15.5 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 2.976 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF113805.D
Acq: 16 Apr 2019 20:49

Tgt Ion:276 Resp: 24612
Ion Ratio Lower Upper
276 100
277 27.7 18.8 28.2
138 24.6 15.6 23.4#

