

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110505.D
 Acq On : 6 Nov 2018 10:43
 Operator : JU/SJ
 Sample : J5813-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 06 12:05:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	104592	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	417196	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	188587	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	290768	20.00	ng	0.00
76) Chrysene-d12	14.13	240	182277	20.00	ng	0.00
87) Perylene-d12	15.66	264	167129	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	686480	106.88	ng	0.01
7) Phenol-d6	6.59	99	873661	106.35	ng	0.00
23) Nitrobenzene-d5	7.52	82	555346	78.95	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	168310	90.10	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	929879	77.43	ng	0.00
79) Terphenyl-d14	13.07	244	557894	63.65	ng	0.00

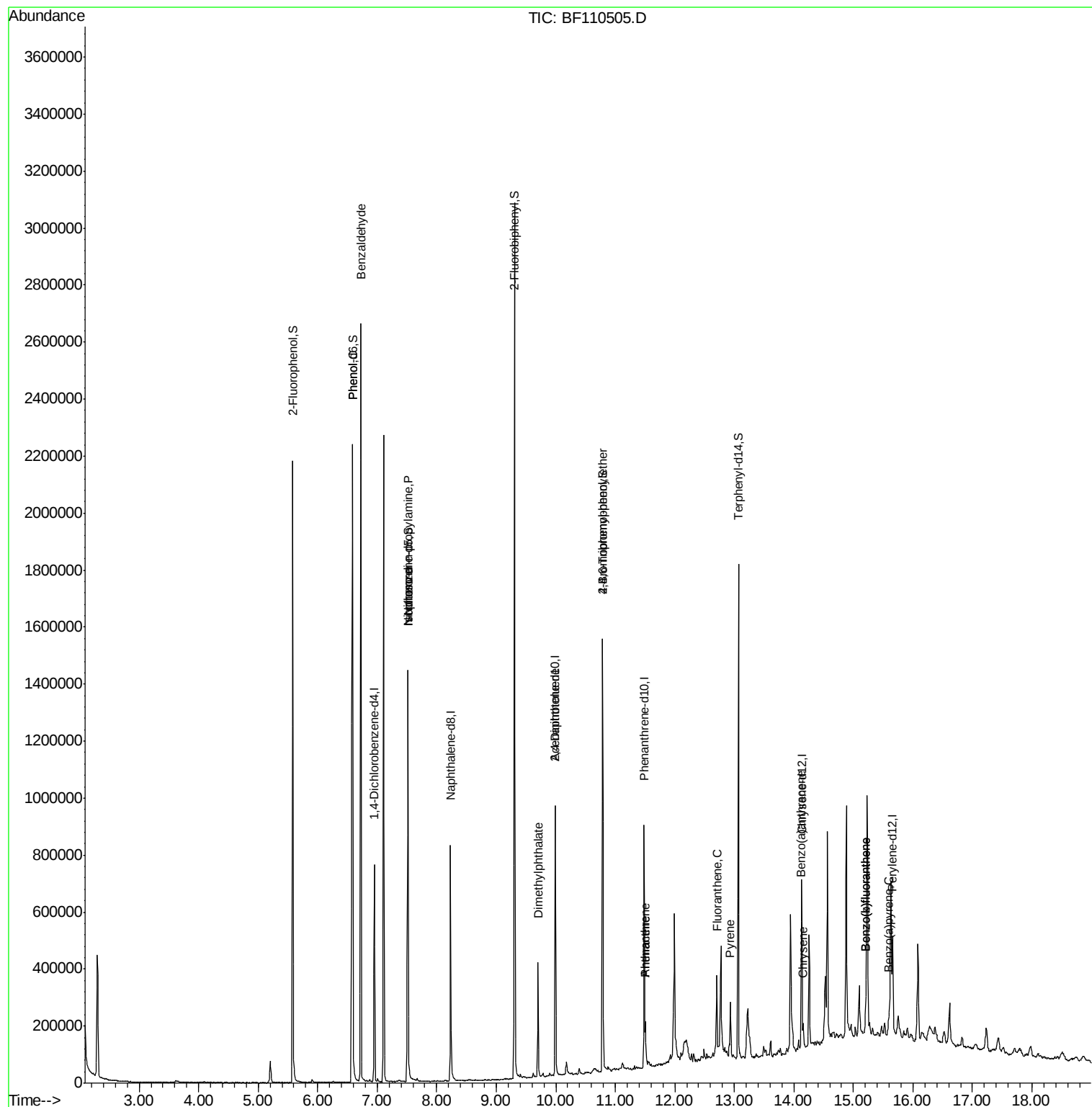
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.73	77	16934	2.114	ng	83
10) Phenol	6.59	94	59301	6.753	ng	81
19) n-Nitroso-di-n-propylamine	7.52	70	74655	14.165	ng	# 81
25) Isophorone	7.52	82	555342	46.318	ng	# 67
50) Dimethylphthalate	9.70	163	165803	11.910	ng	99
57) 2,4-Dinitrotoluene	9.99	165	24352	6.394	ng	# 20
67) 4-Bromophenyl-phenylether	10.79	248	10685	3.388	ng	# 1
71) Phenanthrene	11.51	178	48293	3.174	ng	99
72) Anthracene	11.51	178	48293	3.167	ng	99
75) Fluoranthene	12.70	202	93518	6.057	ng	99
78) Pyrene	12.93	202	75097	5.747	ng	97
81) Benzo(a)anthracene	14.12	228	30456	2.818	ng	98
83) Chrysene	14.16	228	32710	3.186	ng	95
88) Benzo(b)fluoranthene	15.20	252	59952	6.212	ng	# 92
89) Benzo(k)fluoranthene	15.20	252	59952	6.319	ng	# 91
90) Benzo(a)pyrene	15.59	252	26296	2.961	ng	# 93

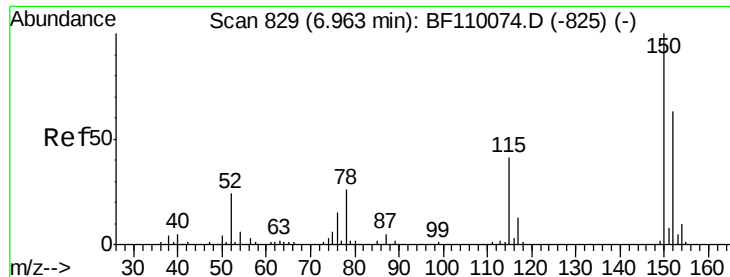
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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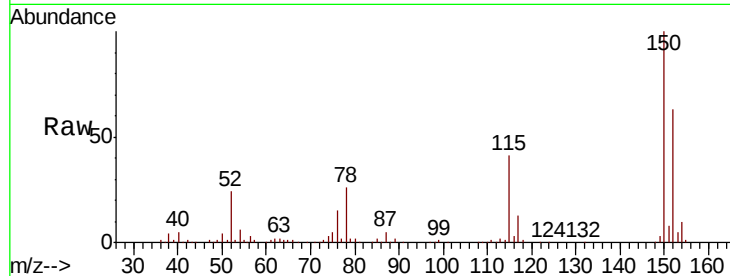


#1

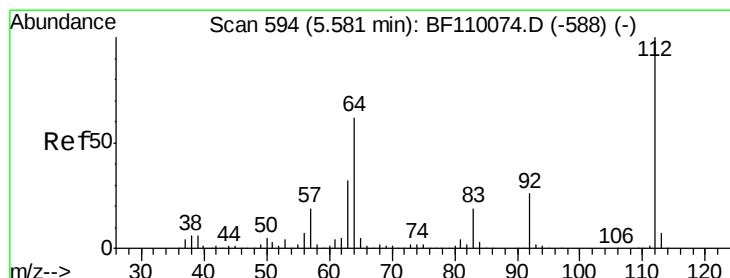
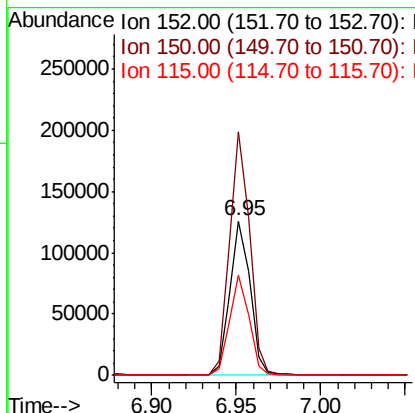
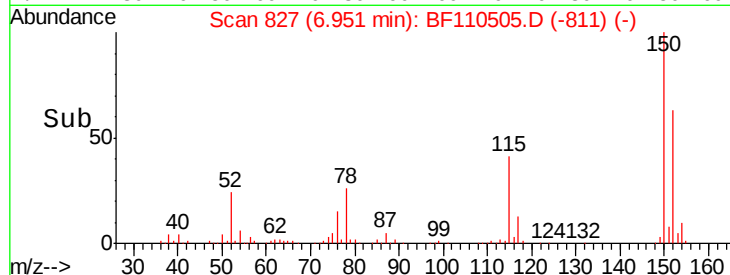
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 104592
Ion Ratio Lower Upper
152 100
150 157.6 122.7 184.1
115 64.8 49.1 73.7



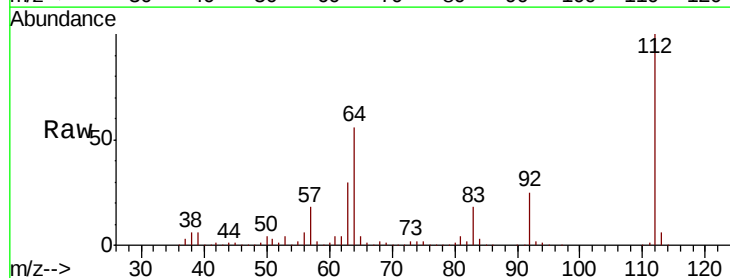
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



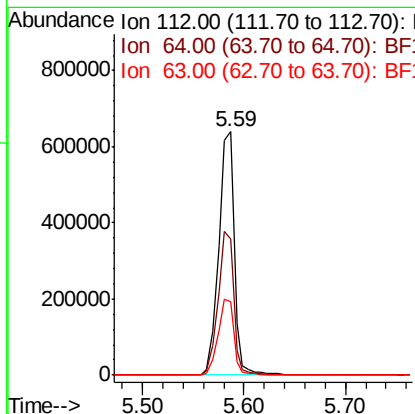
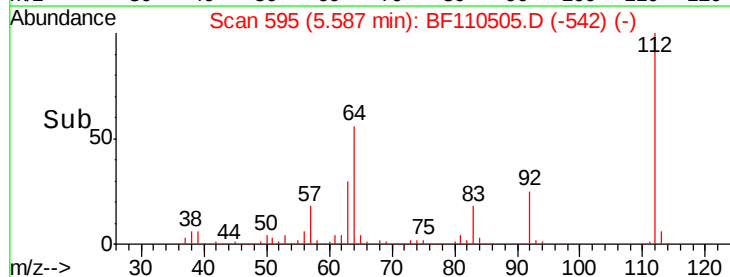
#5

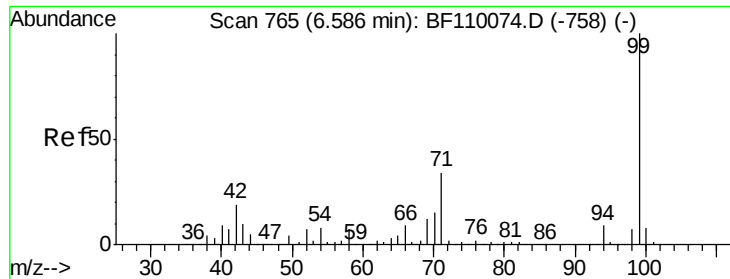
2-Fluorophenol
Concen: 106.882 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion:112 Resp: 686480
Ion Ratio Lower Upper
112 100
64 56.0 44.1 66.1
63 30.0 23.7 35.5



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: 106.346 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampled :

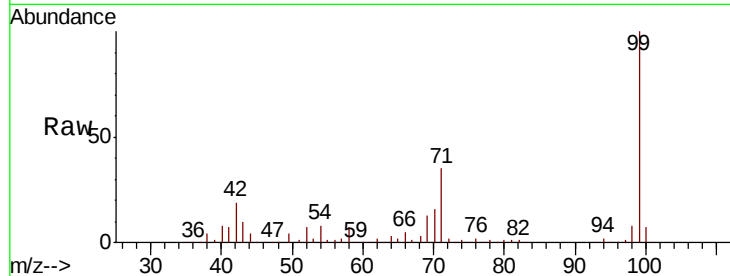
Tot Ion: 99 Resp: 873661

Ion Ratio Lower Upper

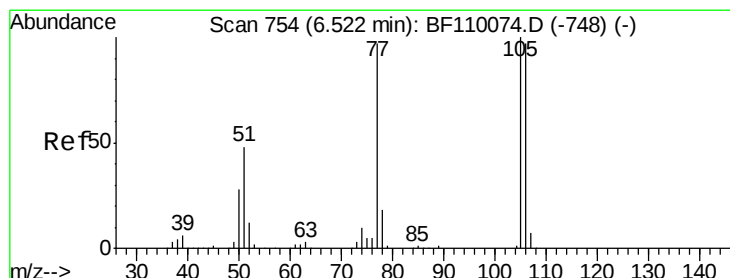
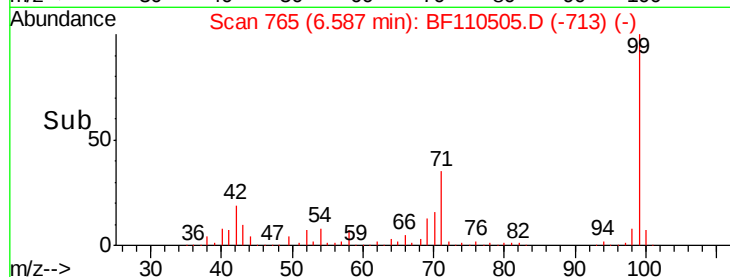
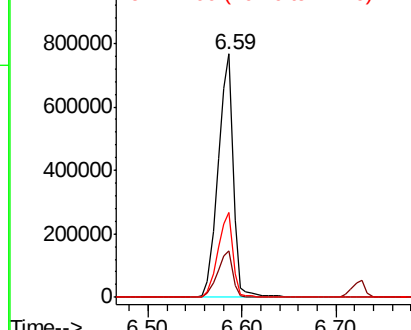
99 100

42 19.3 15.8 23.6

71 35.1 28.0 42.0



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: 2.114 ng

RT: 6.73 min Scan# 789

Delta R.T. 0.22 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

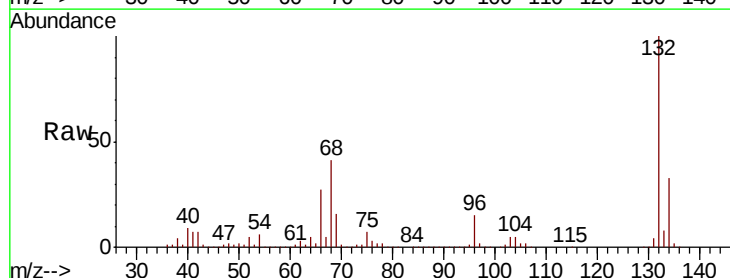
Tgt Ion: 77 Resp: 16934

Ion Ratio Lower Upper

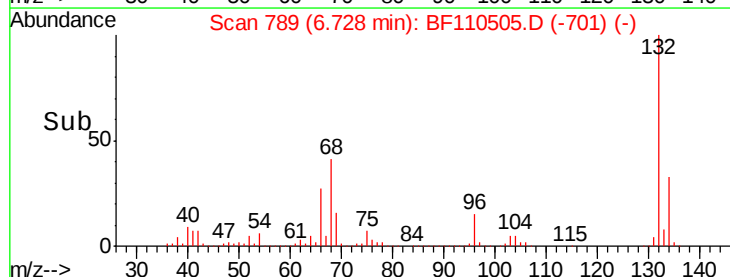
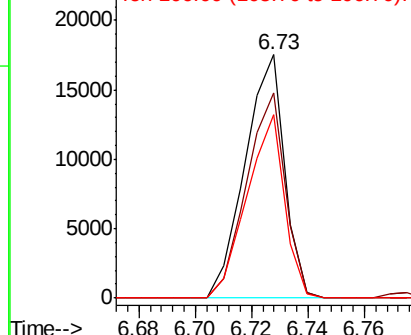
77 100

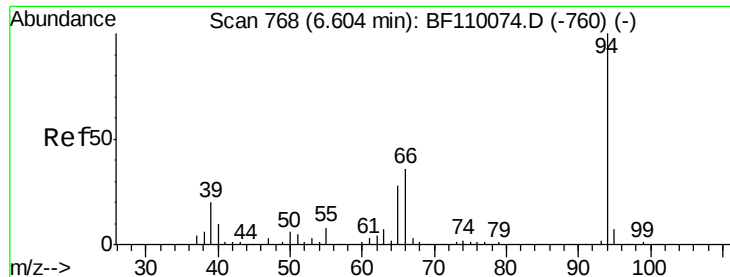
105 84.2 78.6 118.6

106 75.2 74.8 114.8



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

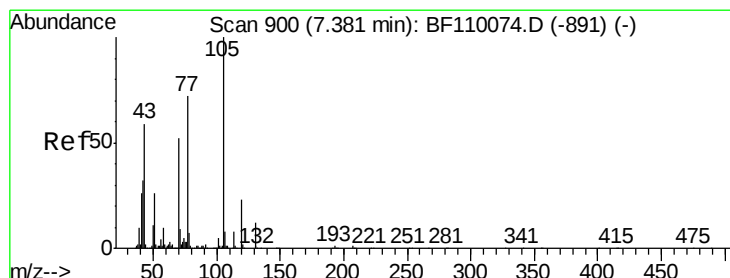
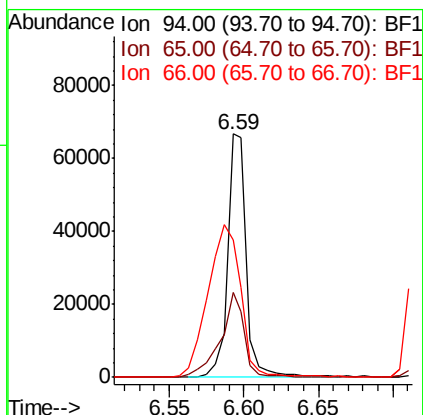
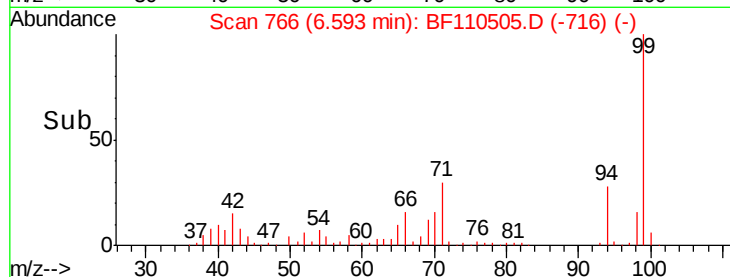
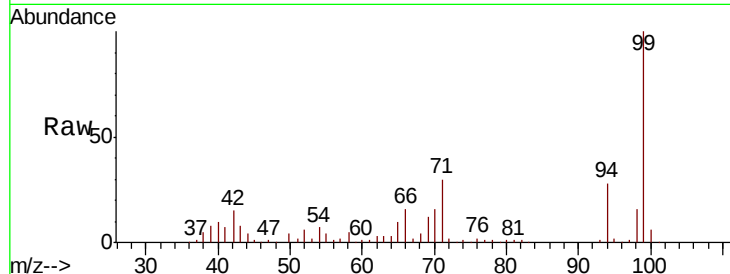




#10
Phenol
Concen: 6.753 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

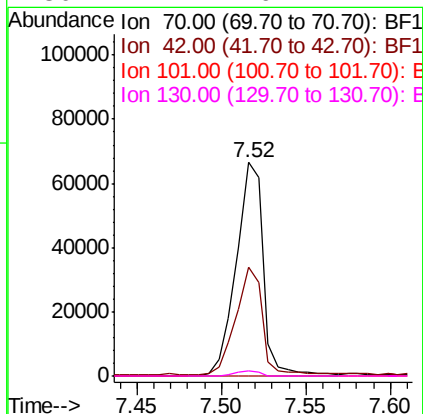
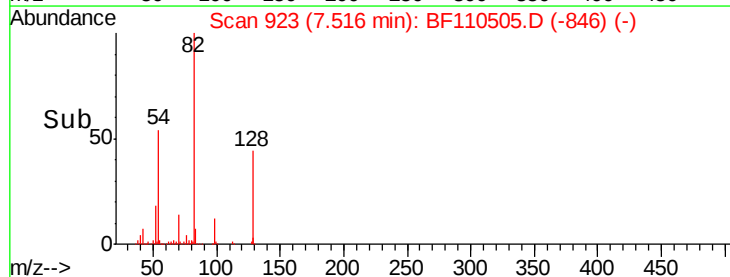
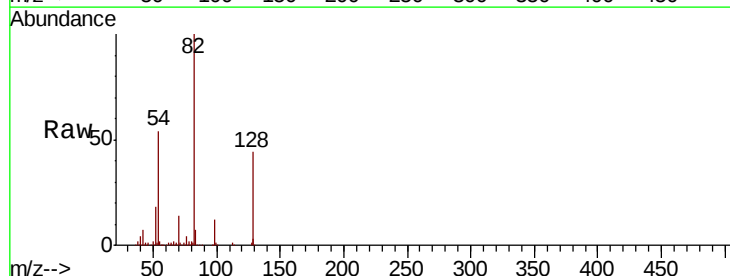
Instrument :
BNA_F
ClientSampleId :

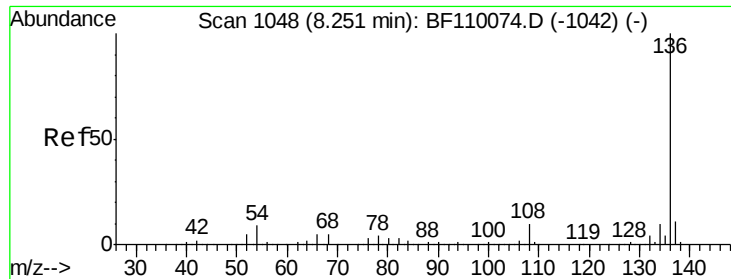
Tot Ion: 94 Resp: 59301
Ion Ratio Lower Upper
94 100
65 35.0 25.3 65.3
66 56.6 54.5 94.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.165 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.15 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion: 70 Resp: 74655
Ion Ratio Lower Upper
70 100
42 50.9 47.4 71.2
101 0.0 7.3 10.9#
130 2.1 16.2 24.2#

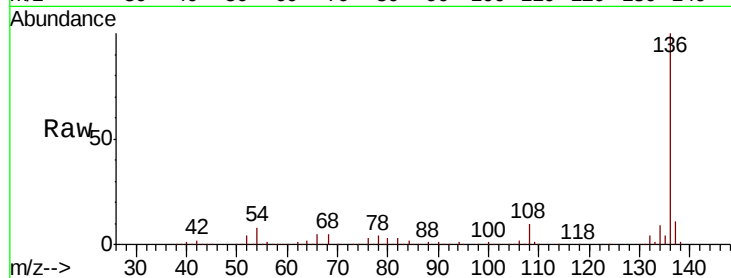




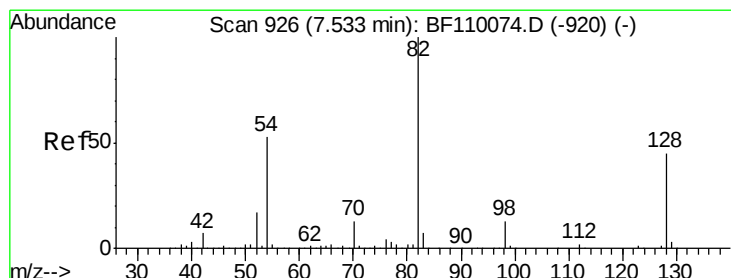
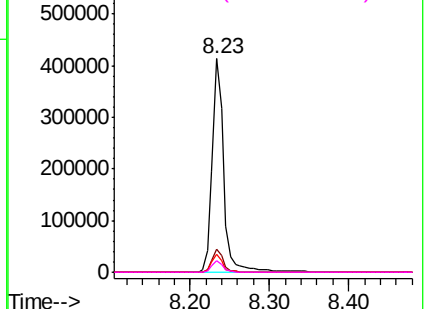
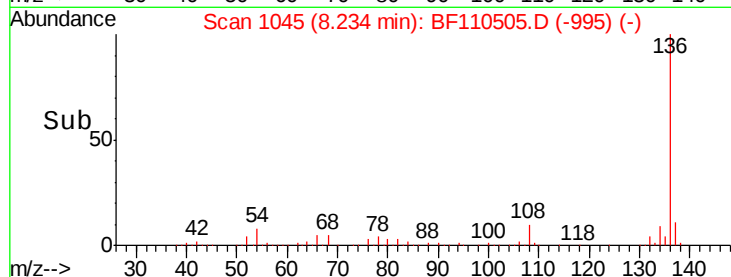
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 417196
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.3 5.4 8.2#
68 5.2 4.2 6.2

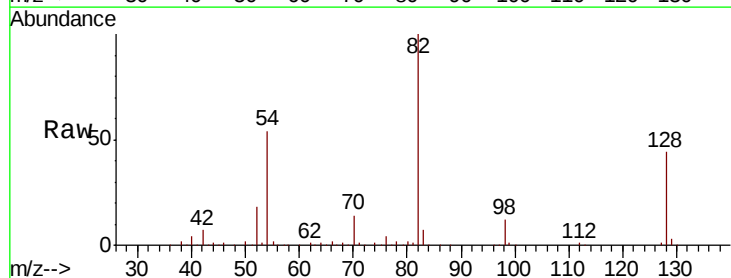


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

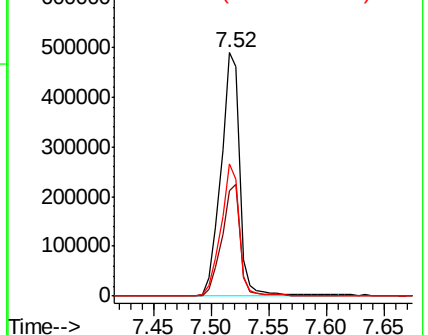
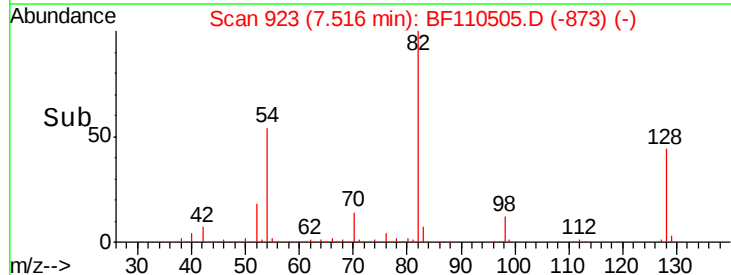


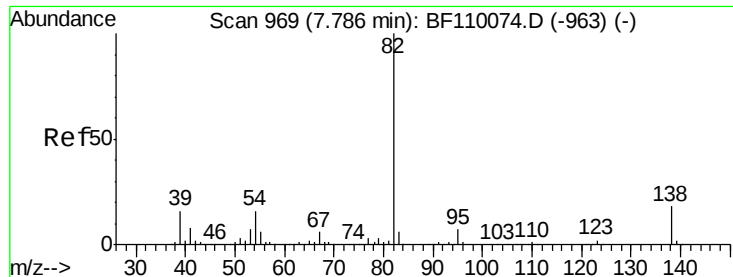
#23
Nitrobenzene-d5
Concen: 78.954 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion: 82 Resp: 555346
Ion Ratio Lower Upper
82 100
128 43.5 34.2 51.2
54 54.3 38.6 58.0



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

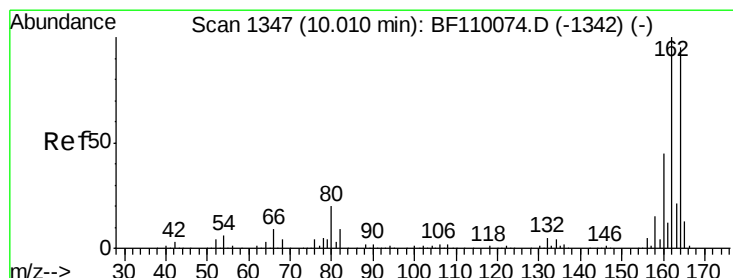
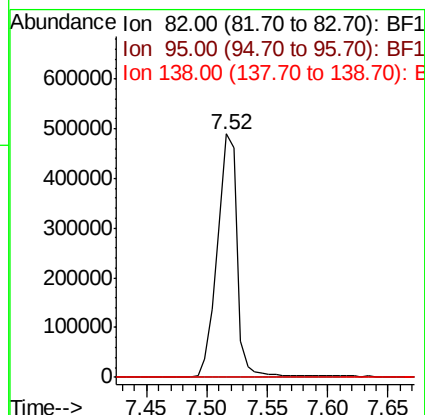
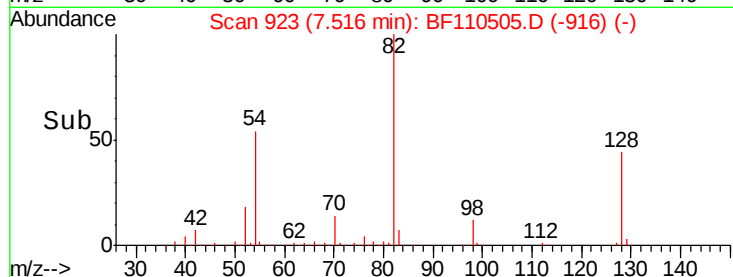
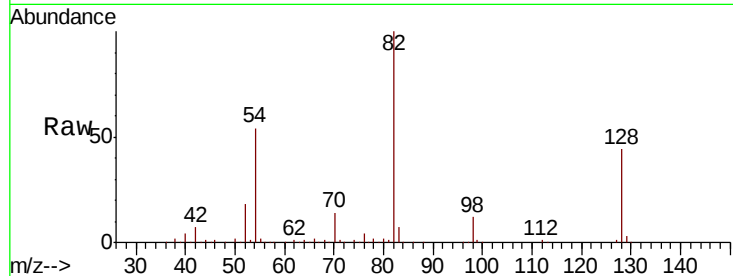




#25
Isophorone
Concen: 46.318 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.26 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

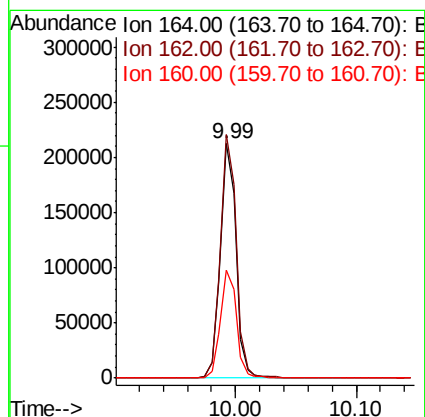
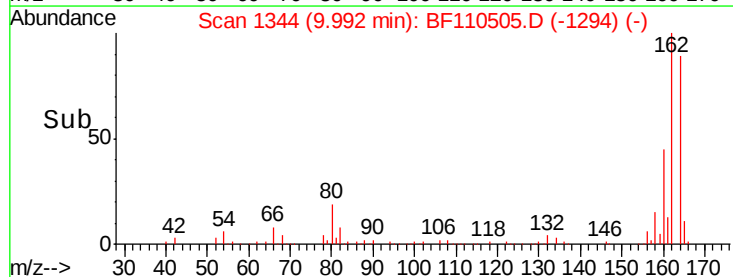
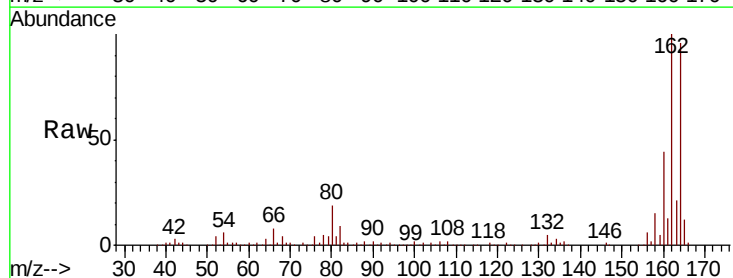
Instrument :
BNA_F
ClientSampled :

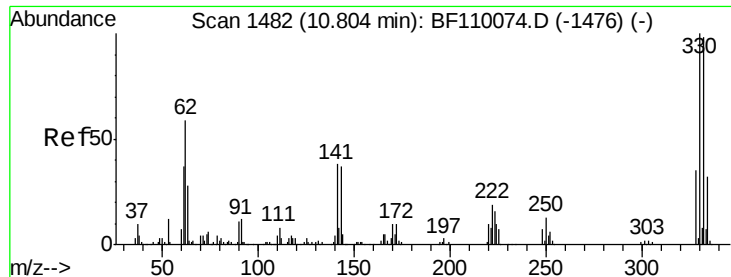
Tot Ion: 82 Resp: 555342
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion: 164 Resp: 188587
Ion Ratio Lower Upper
164 100
162 104.0 83.0 124.6
160 46.2 37.0 55.6





#42

2,4,6-Tribromophenol

Concen: 90.098 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Instrument :

BNA_F

ClientSampleId :

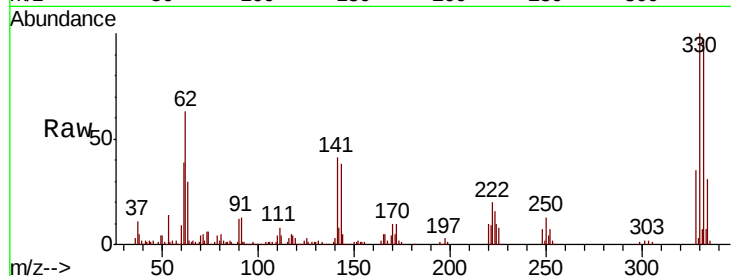
Tot Ion:330 Resp: 168310

Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

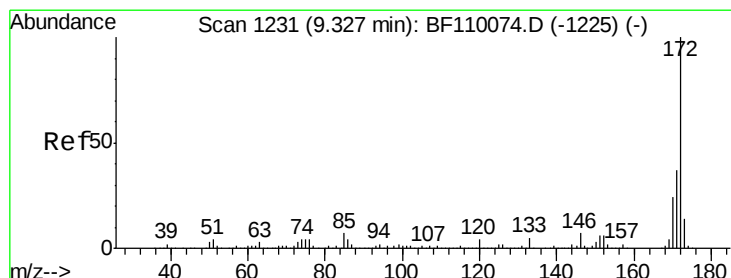
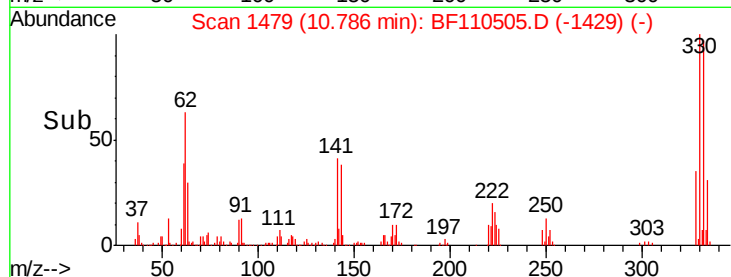
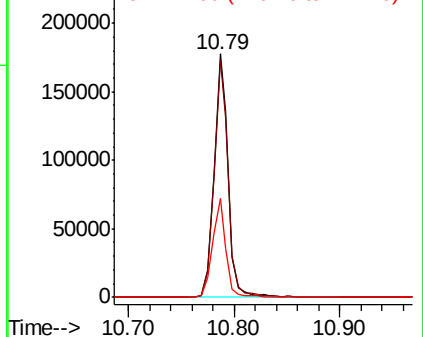
141 39.0 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 77.426 ng

RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

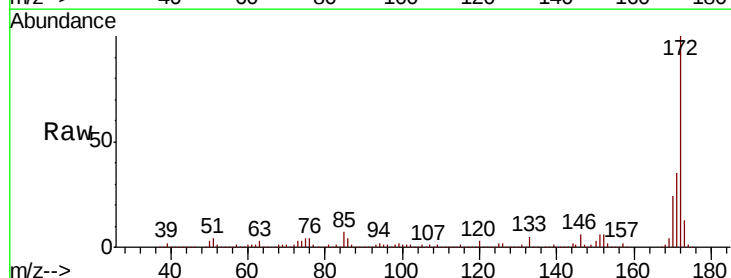
Tgt Ion:172 Resp: 929879

Ion Ratio Lower Upper

172 100

171 35.5 28.6 43.0

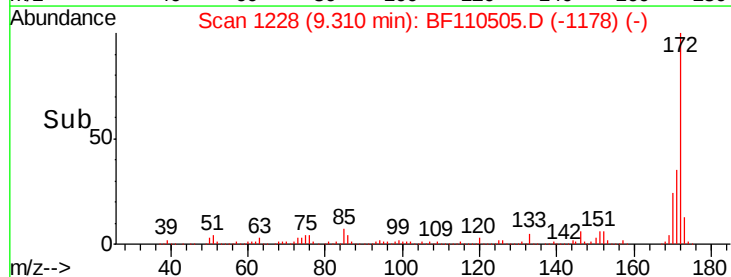
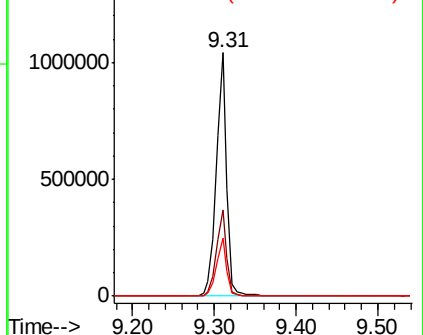
170 23.7 19.7 29.5

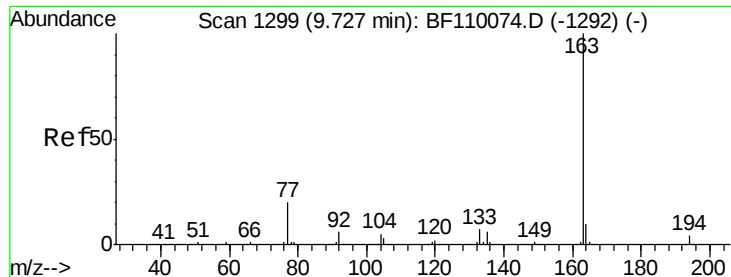


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

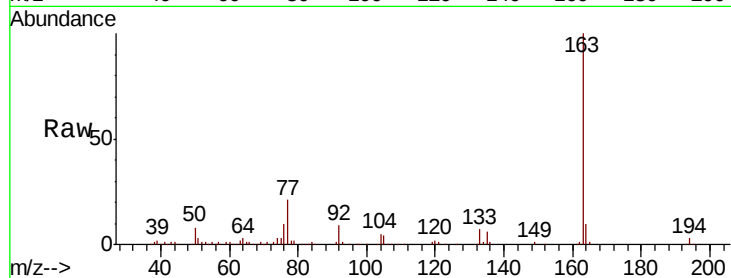




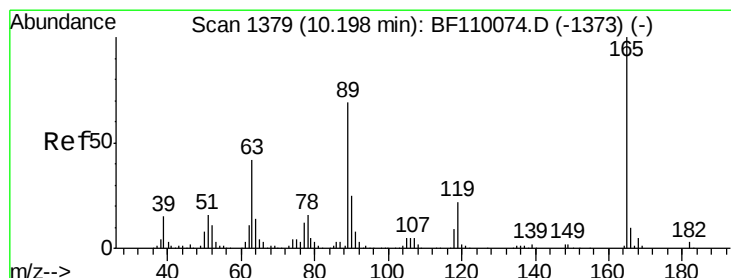
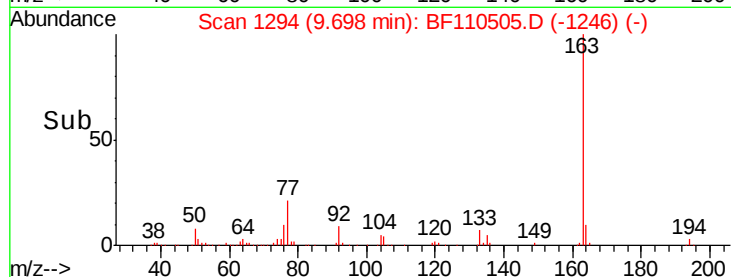
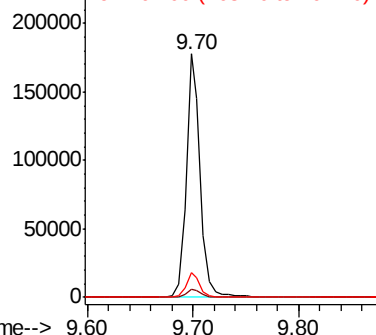
#50
Dimethylphthalate
Concen: 11.910 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 165803
Ion Ratio Lower Upper
163 100
194 3.4 3.2 4.8
164 10.1 8.1 12.1

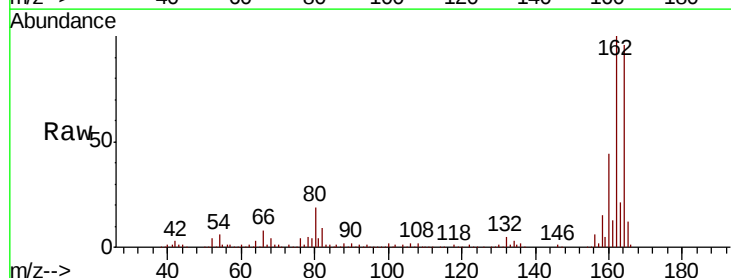


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

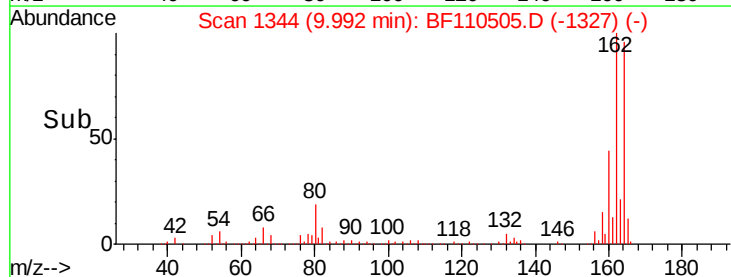
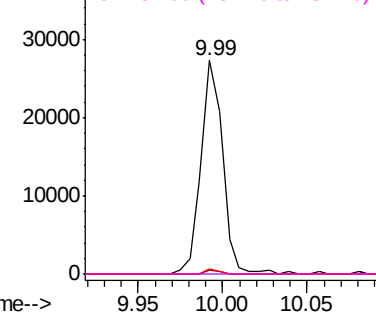


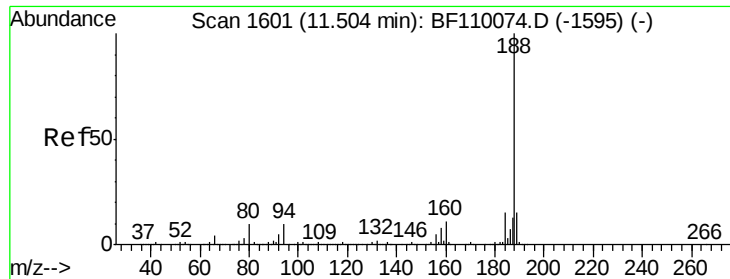
#57
2,4-Dinitrotoluene
Concen: 6.394 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.20 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion:165 Resp: 24352
Ion Ratio Lower Upper
165 100
63 1.6 44.8 67.2#
89 2.2 62.2 93.4#
182 0.0 2.1 3.1#



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

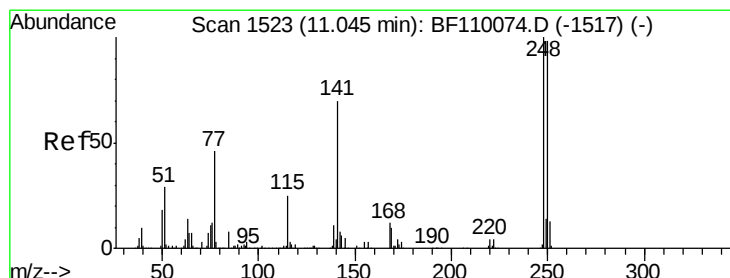
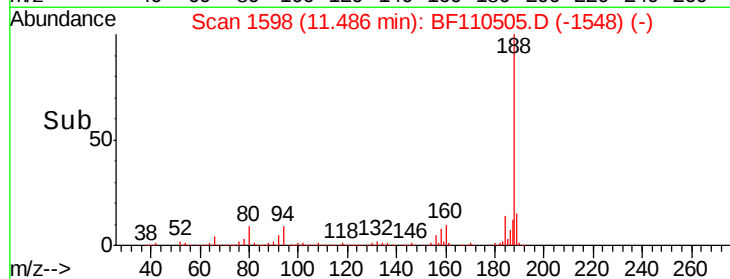
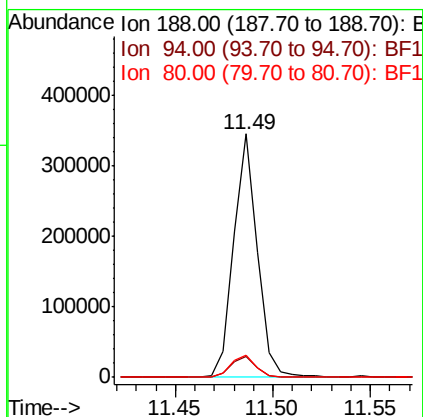
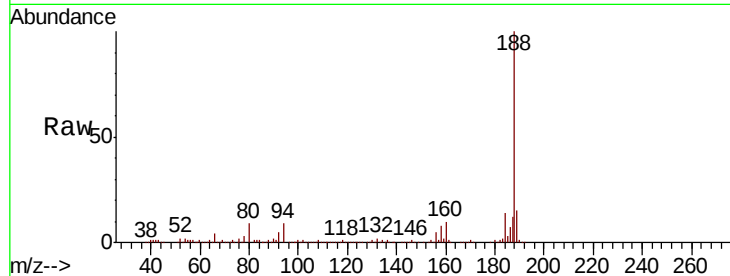




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110505.D
 Acq: 6 Nov 2018 10:43

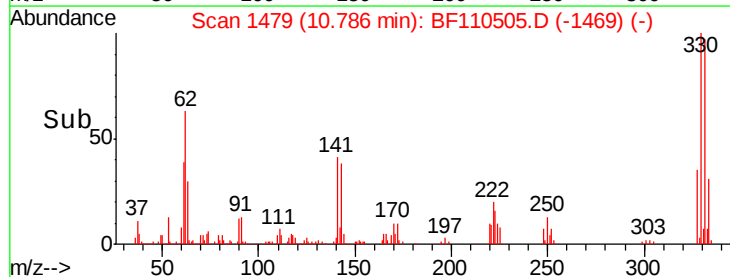
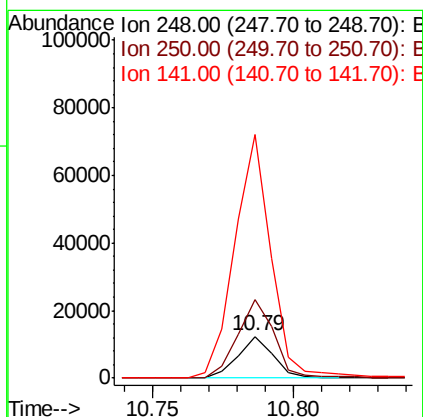
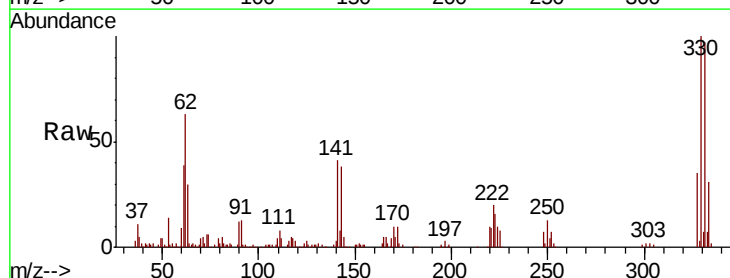
Instrument :
 BNA_F
 ClientSampleId :

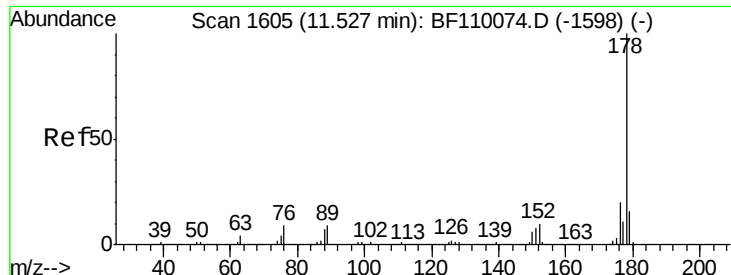
Tot Ion:188 Resp: 290768
 Ion Ratio Lower Upper
 188 100
 94 8.6 7.2 10.8
 80 9.3 7.9 11.9



#67
 4-Bromophenyl-phenylether
 Concen: 3.388 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110505.D
 Acq: 6 Nov 2018 10:43

Tgt Ion:248 Resp: 10685
 Ion Ratio Lower Upper
 248 100
 250 187.9 79.4 119.2#
 141 580.0 55.9 83.9#

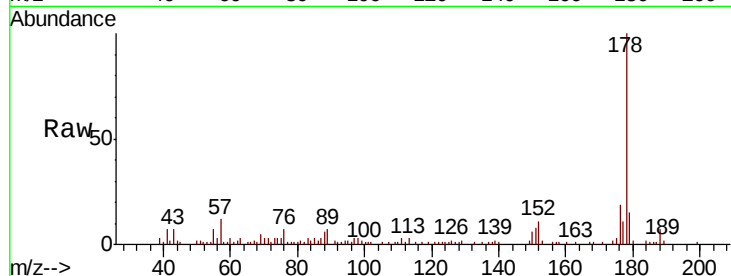




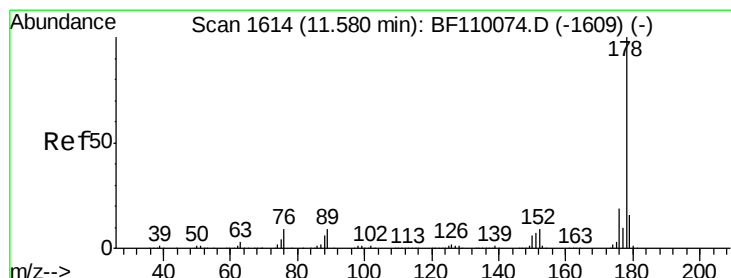
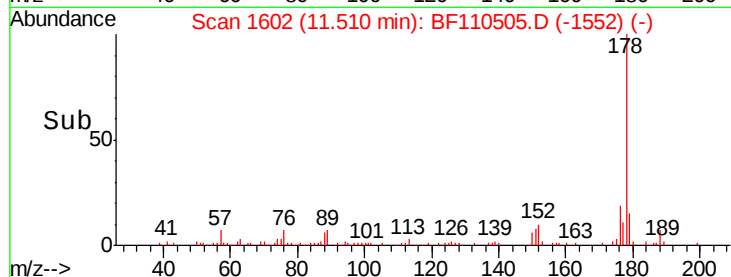
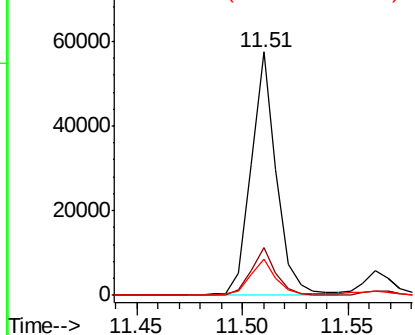
#71
Phenanthrene
Concen: 3.174 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 48293
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 14.7 12.5 18.7

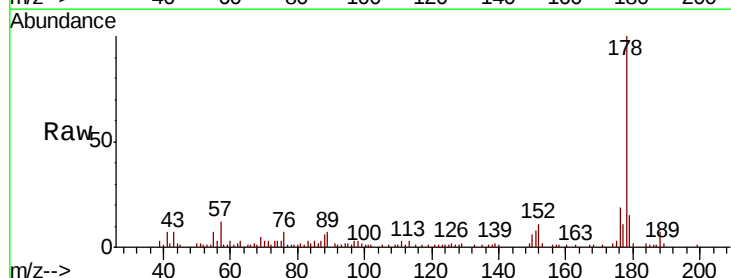


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

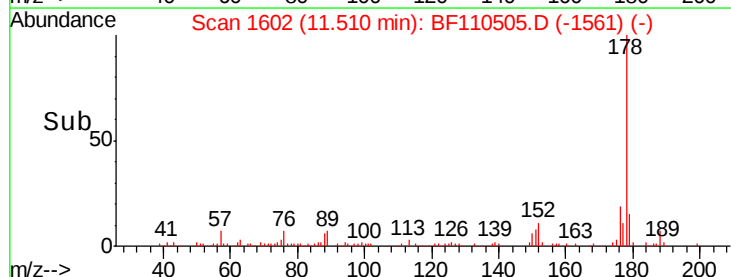
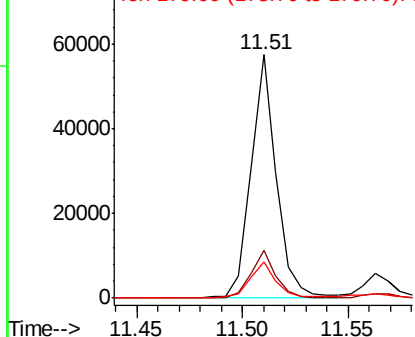


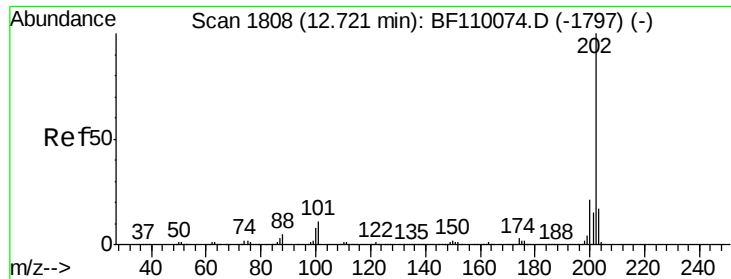
#72
Anthracene
Concen: 3.167 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.06 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion:178 Resp: 48293
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 14.7 12.6 18.8



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: 6.057 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Instrument :

BNA_F

ClientSampled :

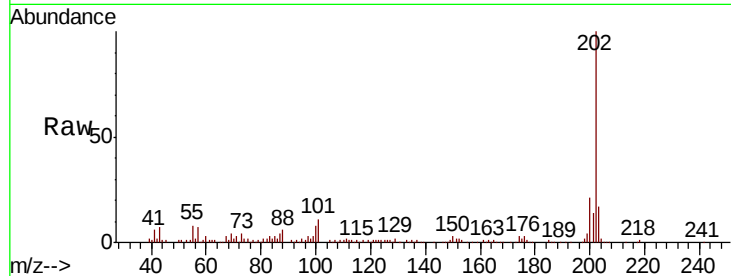
Tot Ion:202 Resp: 93518

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.4

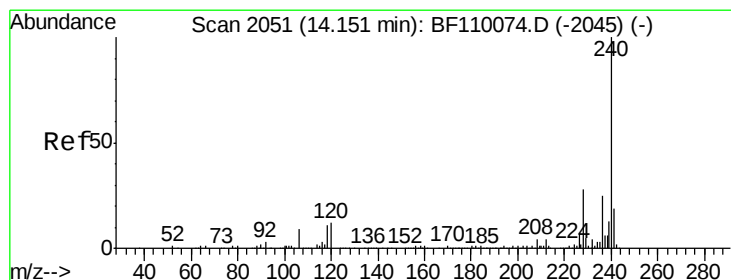
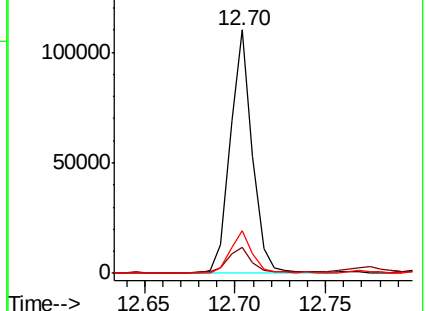
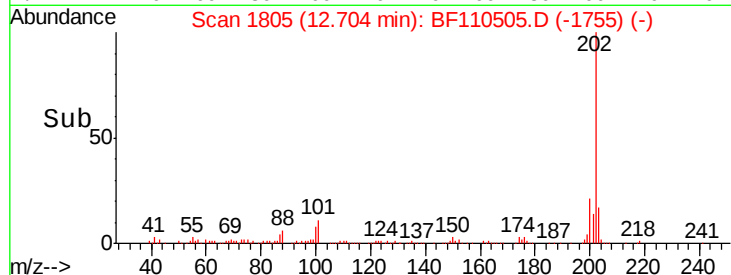
203 17.3 0.0 37.7



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: 14.13 min Scan# 2048

Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

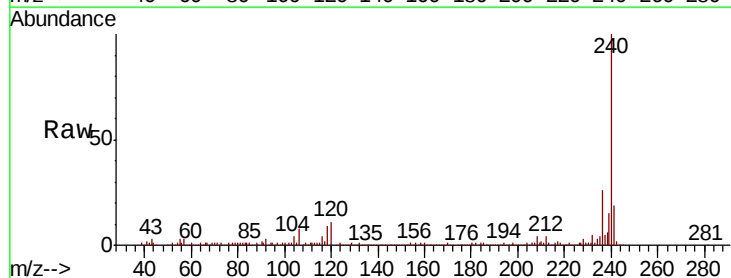
Tgt Ion:240 Resp: 182277

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

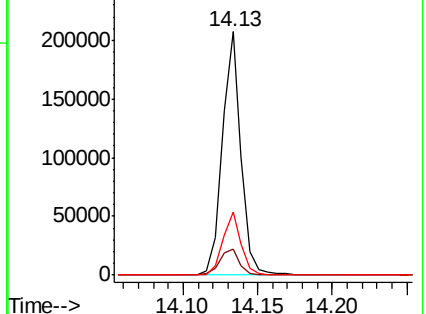
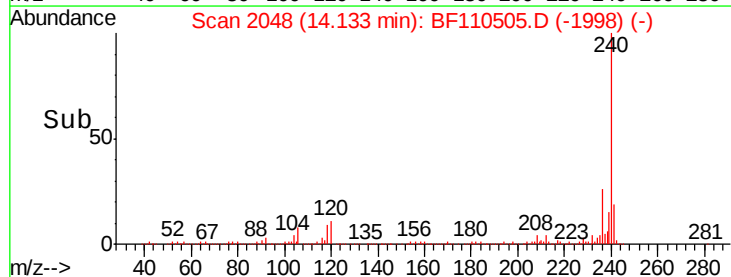
236 26.1 21.2 31.8

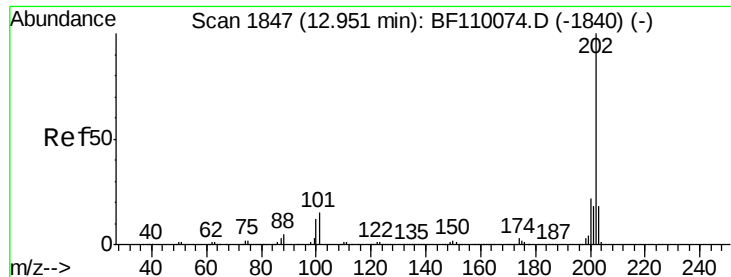


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

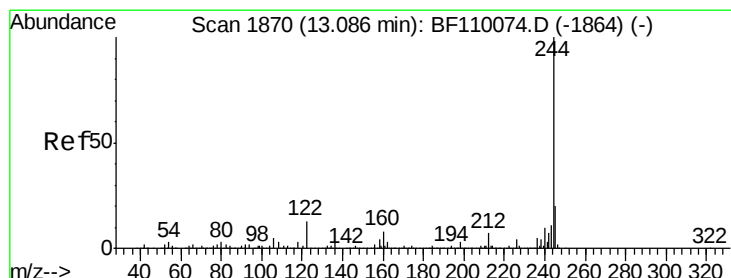
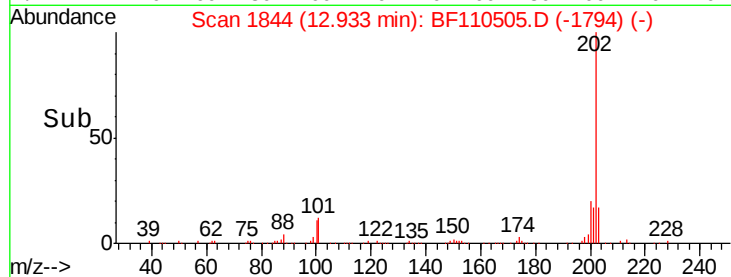
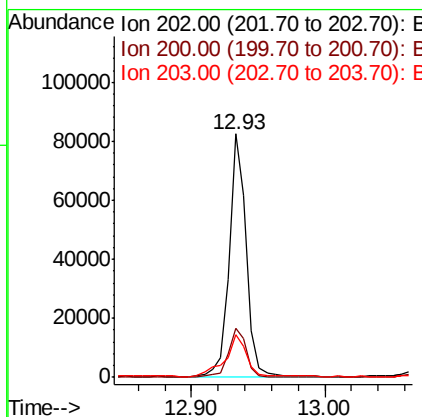
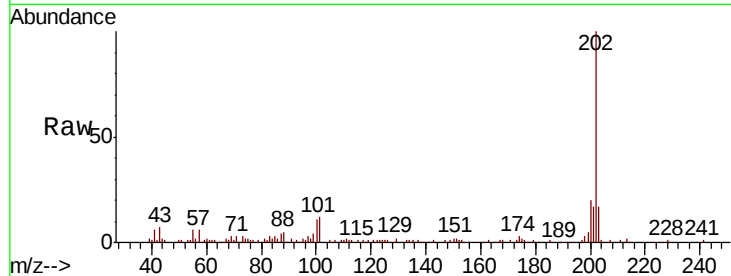




#78
Pvrene
Concen: 5.747 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

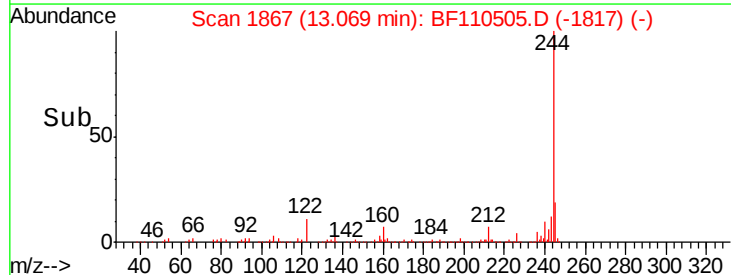
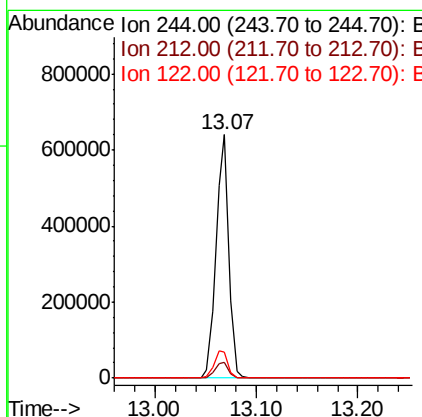
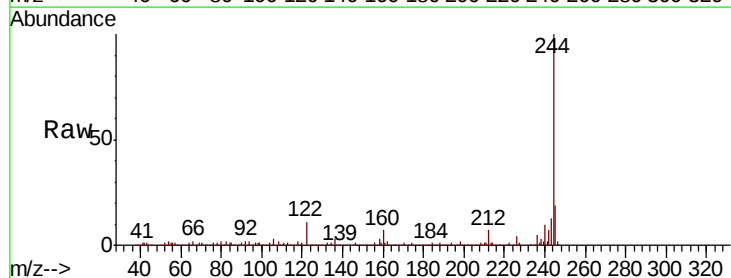
Instrument :
BNA_F
ClientSampleId :

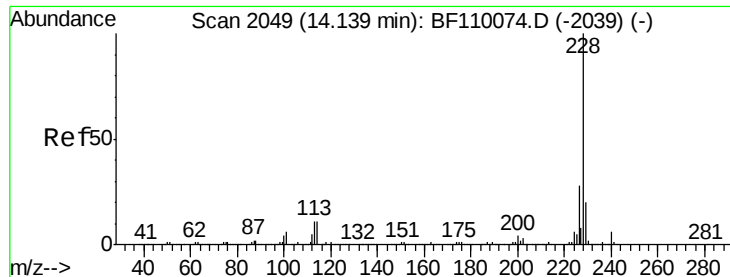
Tot Ion:202 Resp: 75097
Ion Ratio Lower Upper
202 100
200 20.2 17.8 26.6
203 17.3 14.2 21.4



#79
Terphenyl-d14
Concen: 63.654 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion:244 Resp: 557894
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.8
122 10.9 8.7 13.1





#81

Benzo(a)anthracene

Concen: 2.818 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110505.D

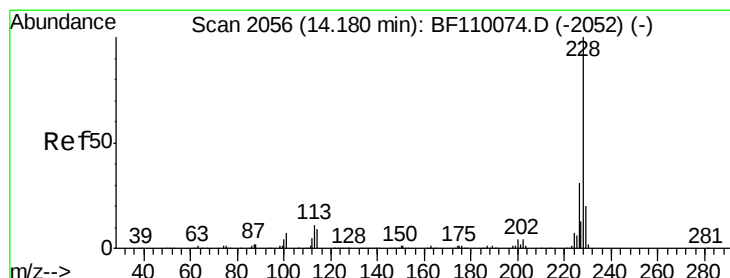
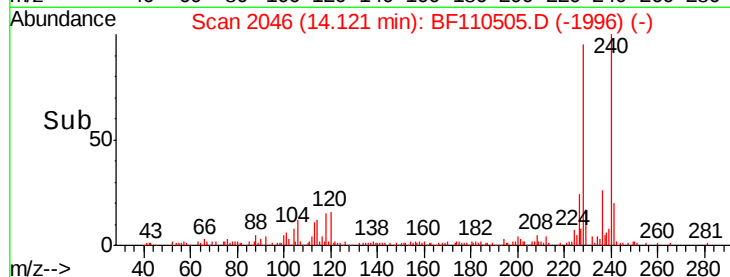
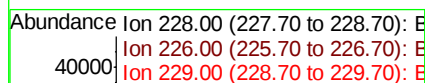
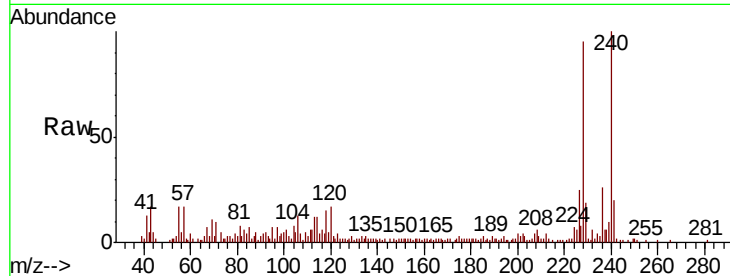
Acq: 6 Nov 2018 10:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:228	Resp:	30456
Ion Ratio	Lower	Upper
228	100	
226	26.3	22.1 33.1
229	19.9	15.6 23.4



#83

Chrysene

Concen: 3.186 ng

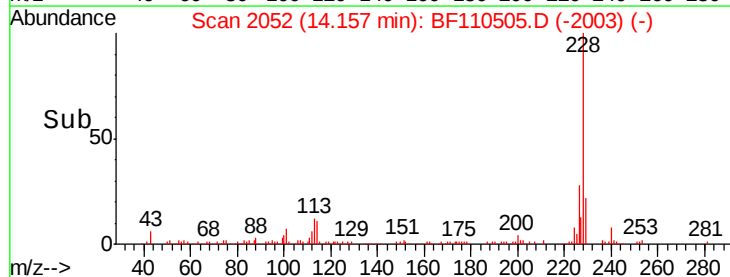
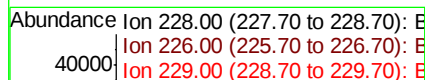
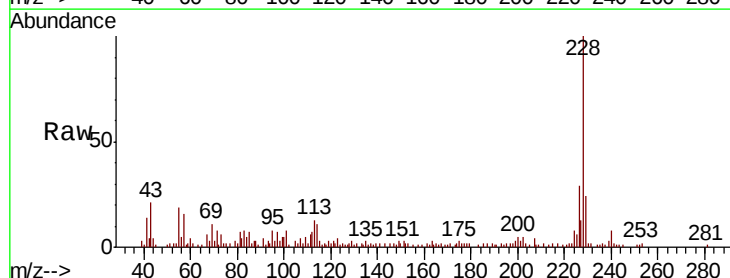
RT: 14.16 min Scan# 2052

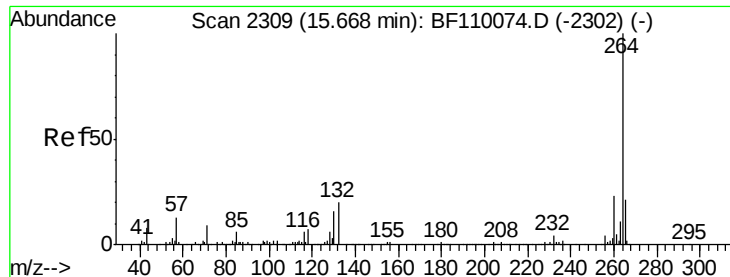
Delta R.T. -0.01 min

Lab File: BF110505.D

Acq: 6 Nov 2018 10:43

Tgt Ion:228	Resp:	32710
Ion Ratio	Lower	Upper
228	100	
226	29.3	24.7 37.1
229	23.9	15.9 23.9



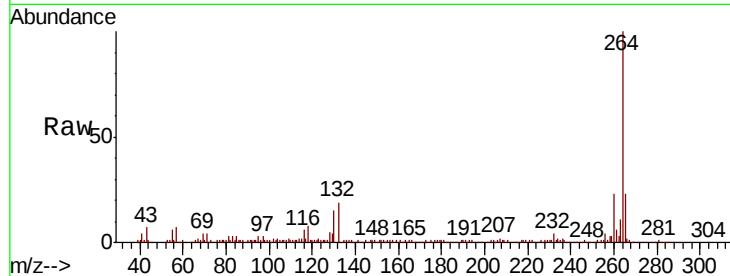


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

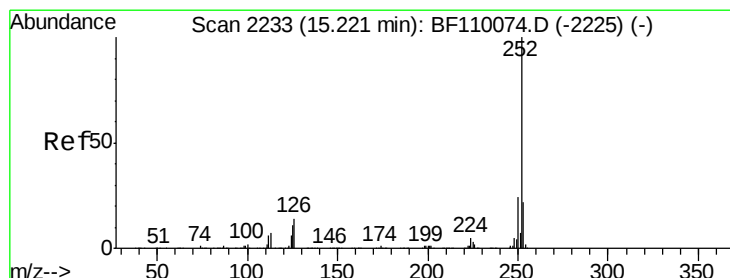
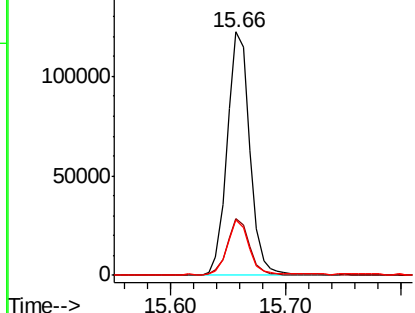
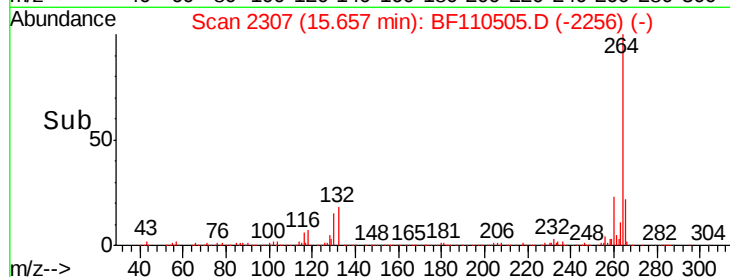
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 167129

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.6	16.7	25.1



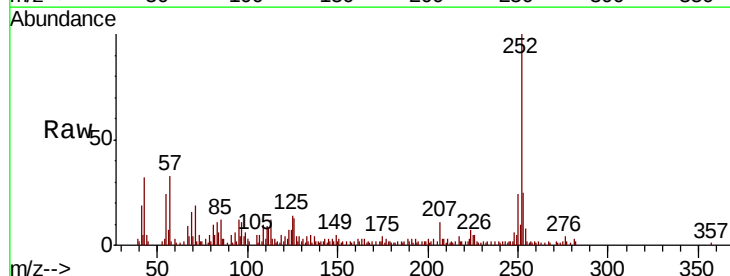
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



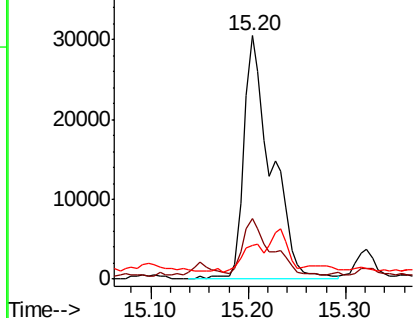
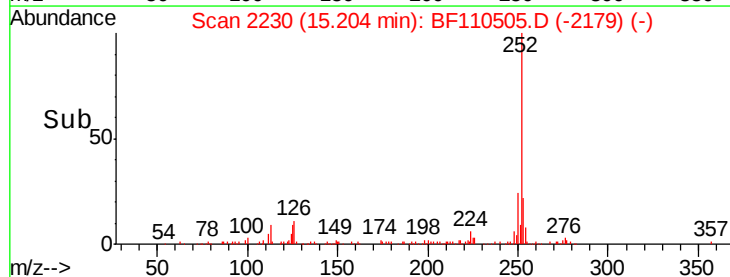
#88
Benzo(b)fluoranthene
Concen: 6.212 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

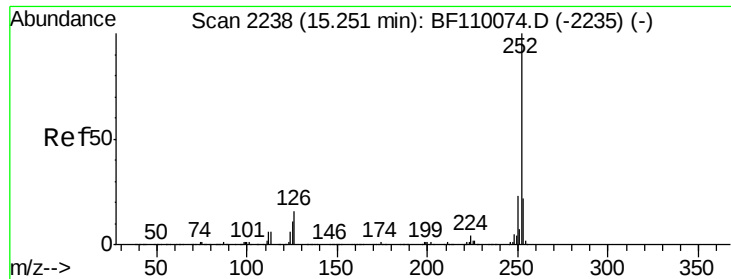
Tgt Ion:252 Resp: 59952

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	13.9	8.2	12.4



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

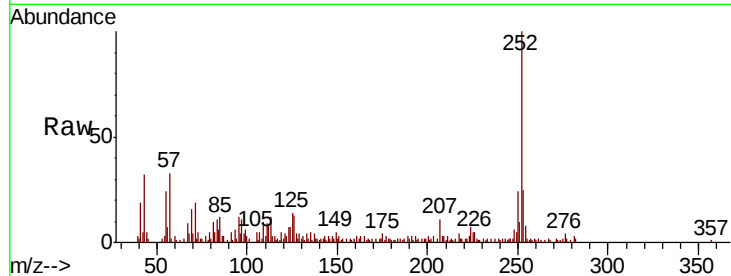




#89
Benzo(k)fluoranthene
Concen: 6.319 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	13.9	7.4	11.0

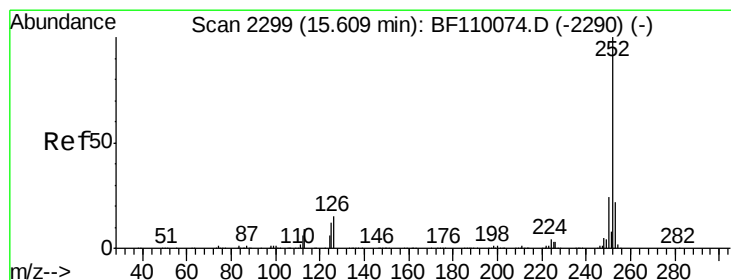
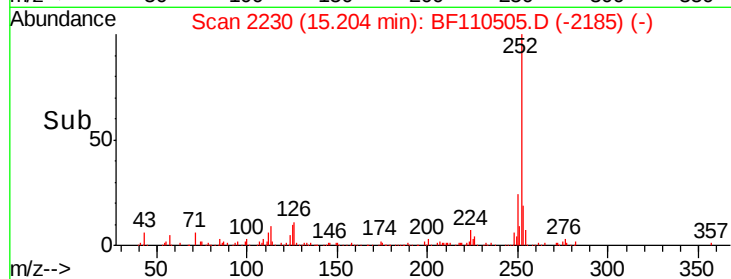
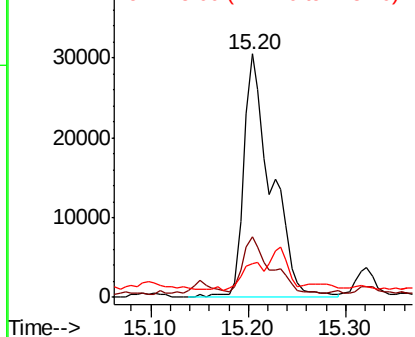


Abundance

Ion 252.00 (251.70 to 252.70): E

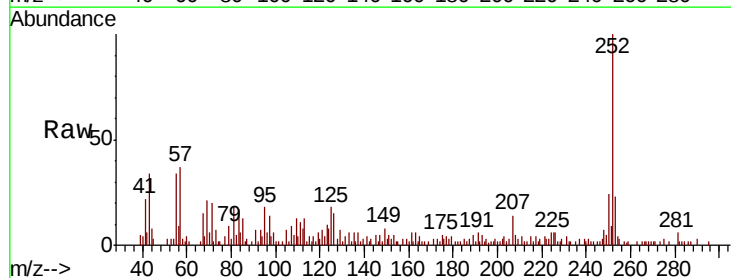
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.961 ng
RT: 15.59 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BF110505.D
Acq: 6 Nov 2018 10:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	18.5	9.0	13.6



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

