

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031319\
 Data File : BF113046.D
 Acq On : 13 Mar 2019 19:51
 Operator : JU/SJ
 Sample : K1873-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 14 02:04:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	167001	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	635557	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	295129	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	640665	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	522925	20.00	ng	-0.01
87) Perylene-d12	15.26	264	500454	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1186061	110.48	ng	0.00
7) Phenol-d6	6.37	99	1545387	114.59	ng	0.00
23) Nitrobenzene-d5	7.29	82	937181	88.24	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	484490	154.63	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1561569	88.68	ng	-0.01
79) Terphenyl-d14	12.82	244	1843695	68.35	ng	0.00

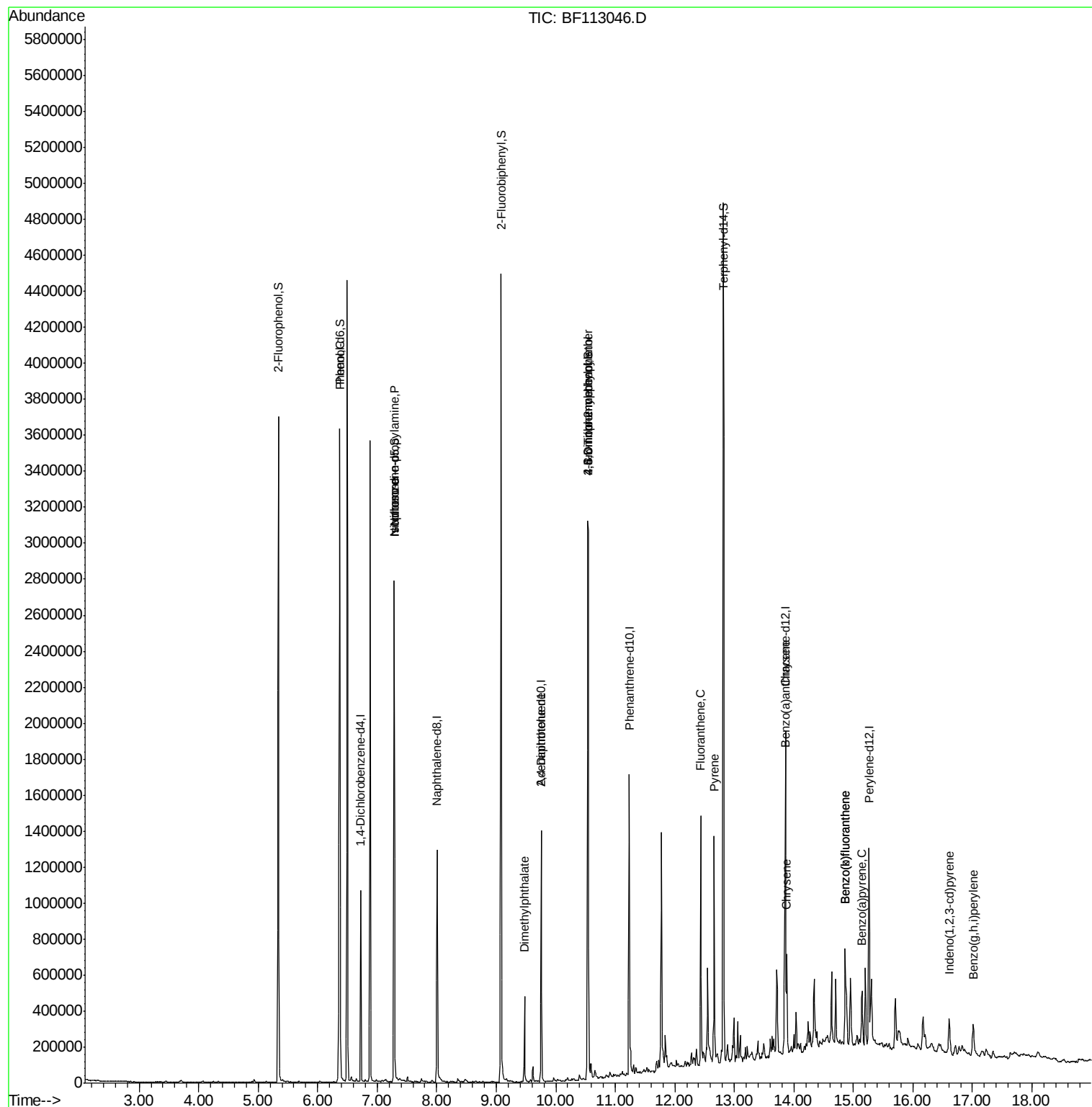
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	117960	7.496	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	122457	14.337	ng	# 77
25) Isophorone	7.29	82	937169	40.957	ng	# 66
50) Dimethylphthalate	9.47	163	197053	9.055	ng	98
57) 2,4-Dinitrotoluene	9.75	165	37856	6.721	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	724	4.861	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	27572	4.086	ng	# 1
75) Fluoranthene	12.44	202	557598	16.327	ng	94
78) Pyrene	12.66	202	486862	11.044	ng	98
81) Benzo(a)anthracene	13.84	228	266283	7.347	ng	96
83) Chrysene	13.88	228	203427	5.730	ng	96
86) Indeno(1,2,3-cd)pyrene	16.61	276	139470	4.608	ng	# 90
88) Benzo(b)fluoranthene	14.86	252	406146	12.547	ng	99
89) Benzo(k)fluoranthene	14.86	252	406146	13.851	ng	99
90) Benzo(a)pyrene	15.14	252	129603	4.526	ng	97
92) Benzo(g,h,i)perylene	17.02	276	123036	5.015	ng	96

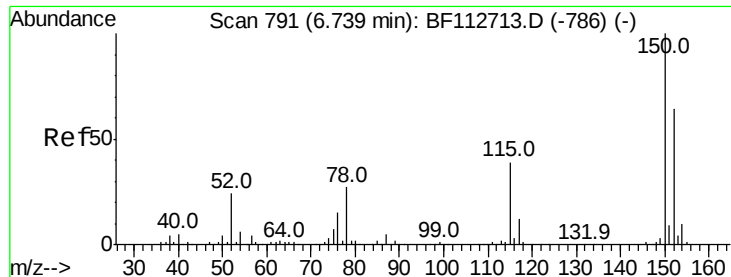
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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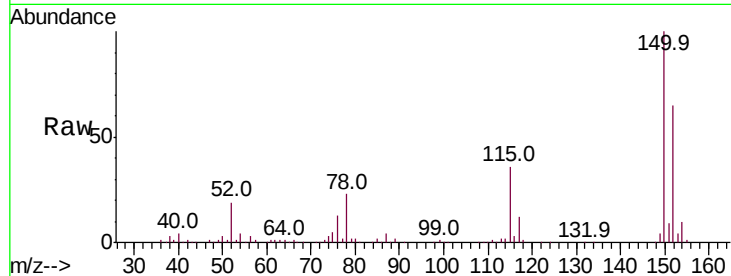


#1

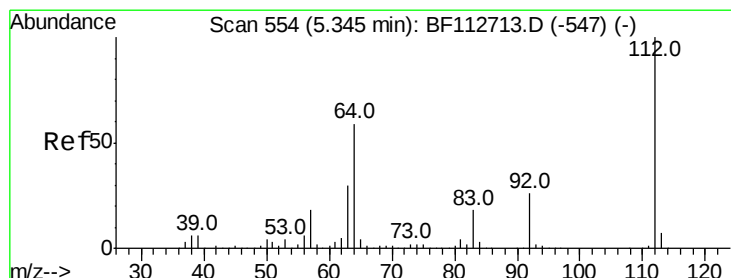
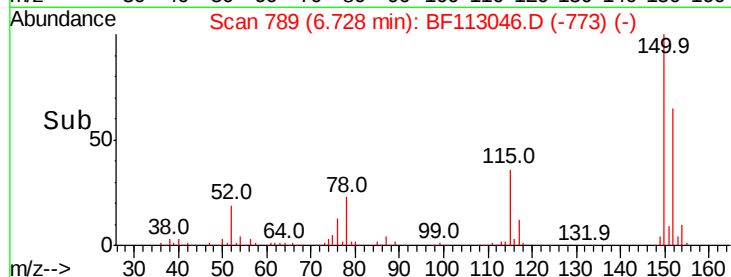
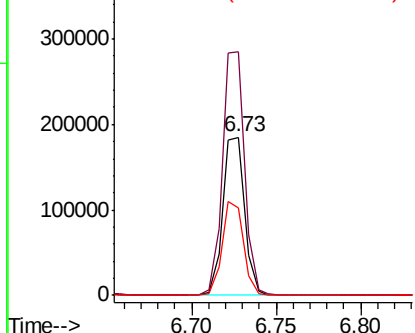
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 167001
Ion Ratio Lower Upper
152 100
150 153.9 124.2 186.2
115 55.6 48.2 72.4



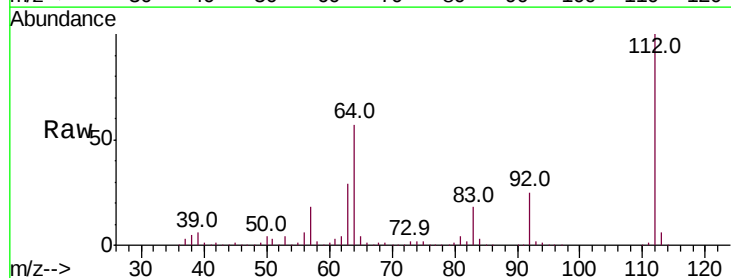
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



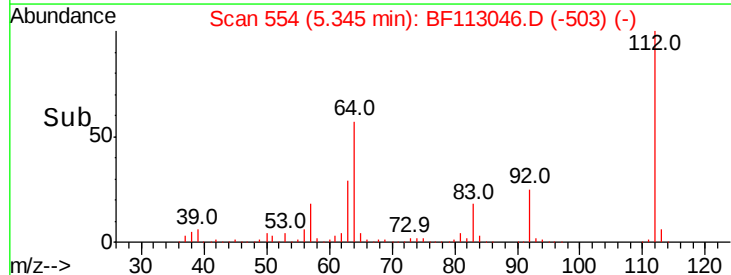
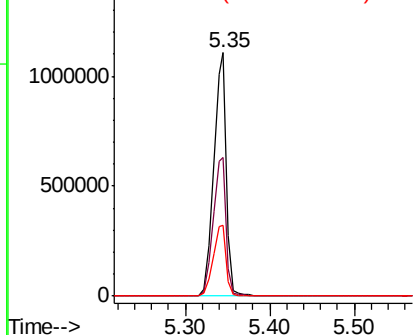
#5

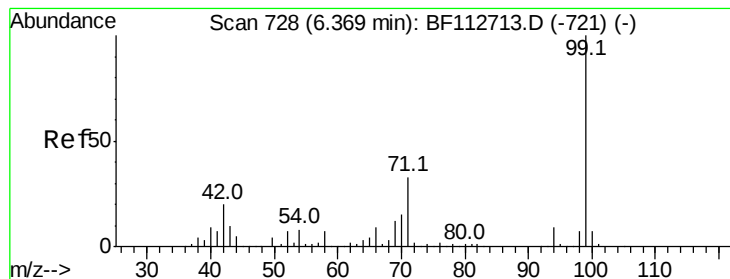
2-Fluorophenol
Concen: 110.477 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Tgt Ion:112 Resp: 1186061
Ion Ratio Lower Upper
112 100
64 56.8 47.6 71.4
63 29.0 24.4 36.6



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: 114.592 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

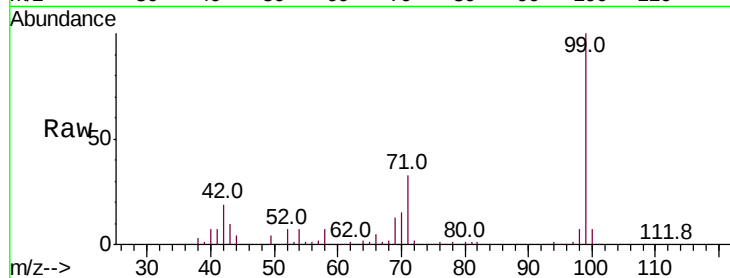
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1545387

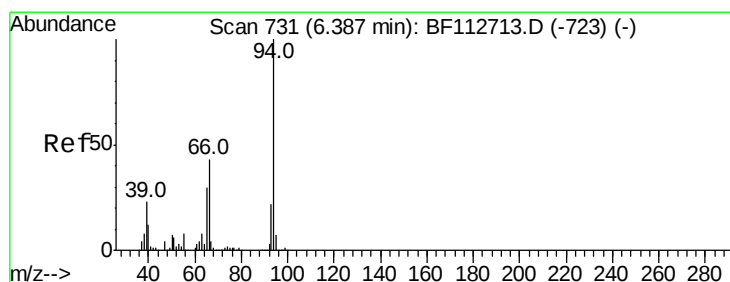
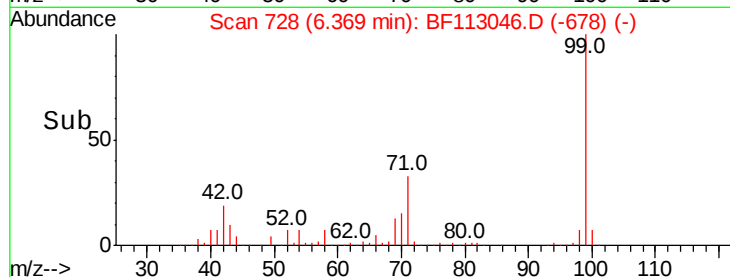
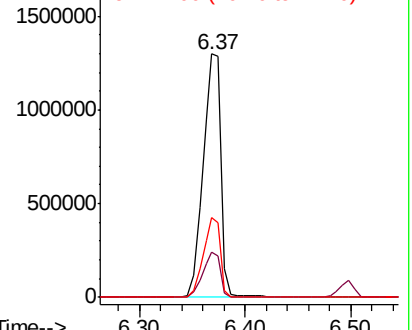
Ion	Ratio	Lower	Upper
99	100		
42	18.7	16.3	24.5
71	32.7	26.2	39.4



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



#10

Phenol

Concen: 7.496 ng

RT: 6.38 min Scan# 730

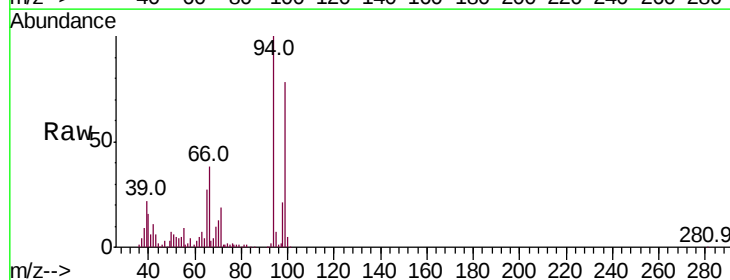
Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

Tgt Ion: 94 Resp: 117960

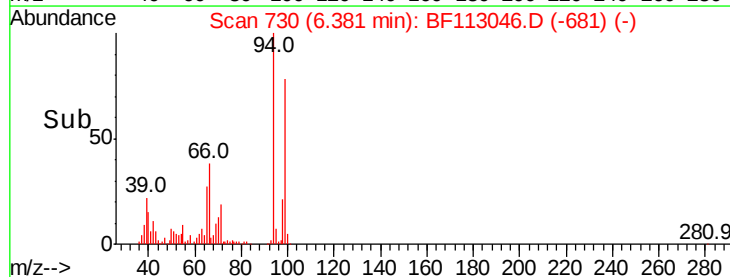
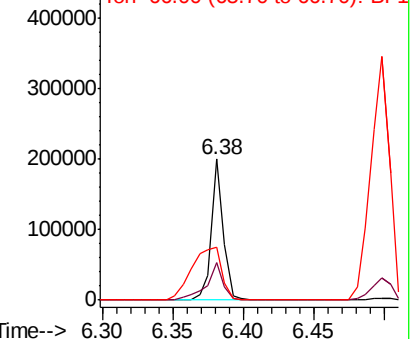
Ion	Ratio	Lower	Upper
94	100		
65	26.9	10.5	50.5
66	37.6	22.6	62.6

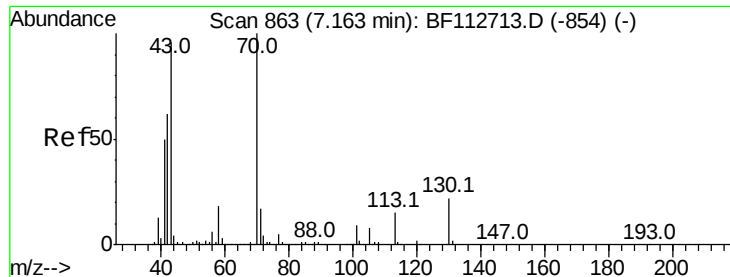


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

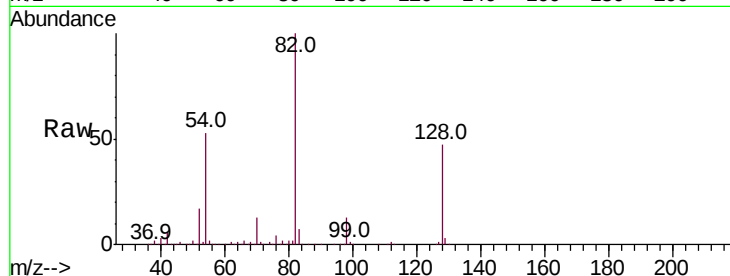




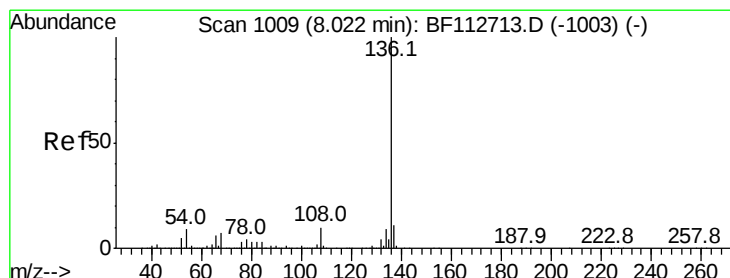
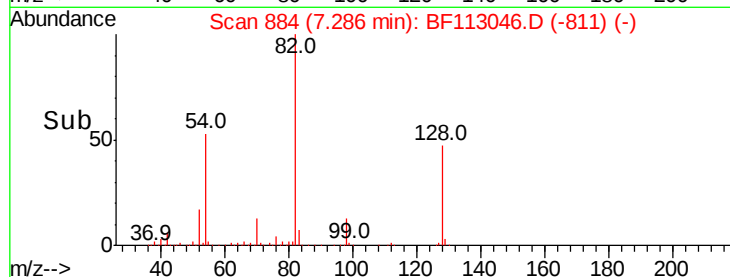
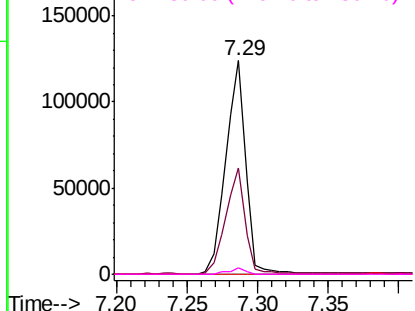
#19
n-Nitroso-di-n-propylamine
Concen: 14.337 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.13 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 122457
Ion Ratio Lower Upper
70 100
42 49.5 49.9 74.9#
101 0.0 7.4 11.2#
130 2.7 17.4 26.2#



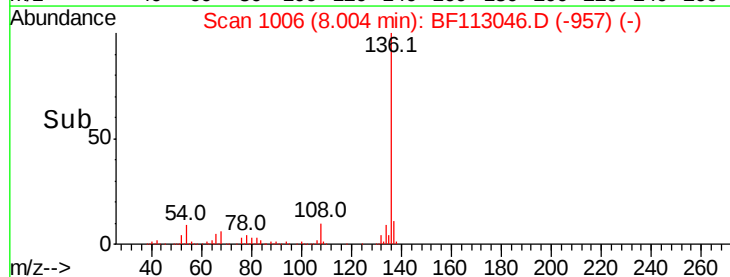
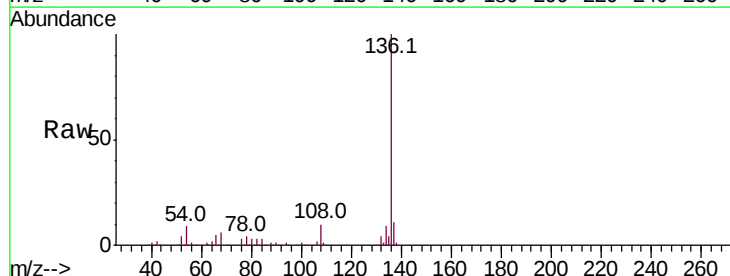
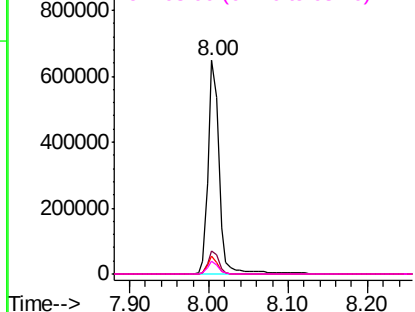
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

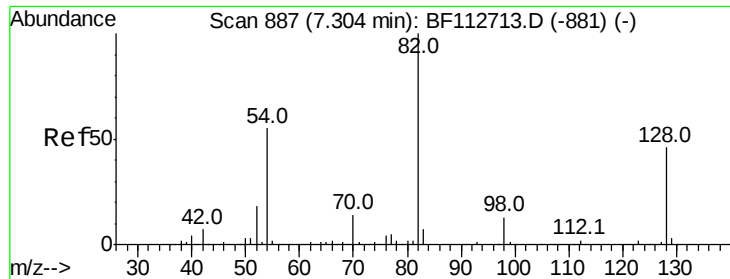


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Tgt Ion: 136 Resp: 635557
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.6 7.3 10.9
68 6.0 5.4 8.2

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

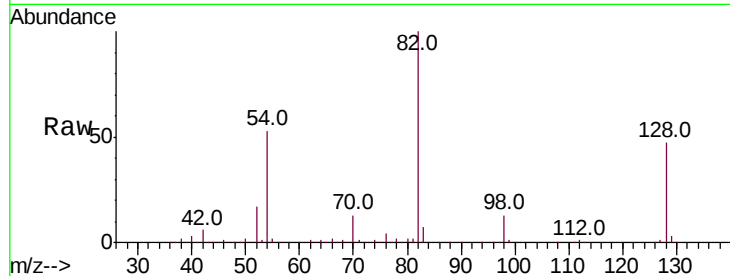




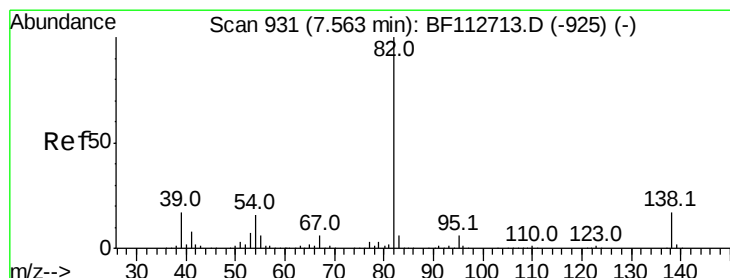
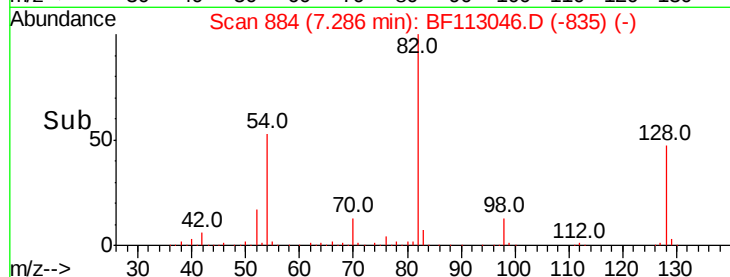
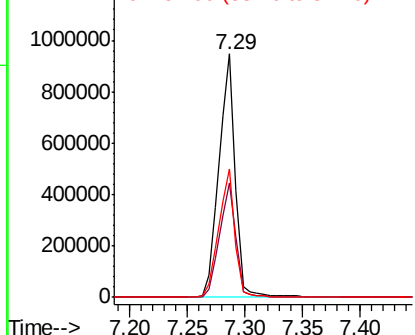
#23
 Nitrobenzene-d5
 Concen: 88.236 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 19:51

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	937181
Ion Ratio	Lower	Upper	
82	100		
128	46.8	36.3	54.5
54	52.8	43.7	65.5

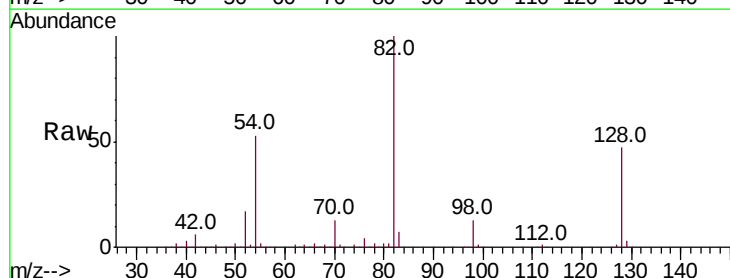


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

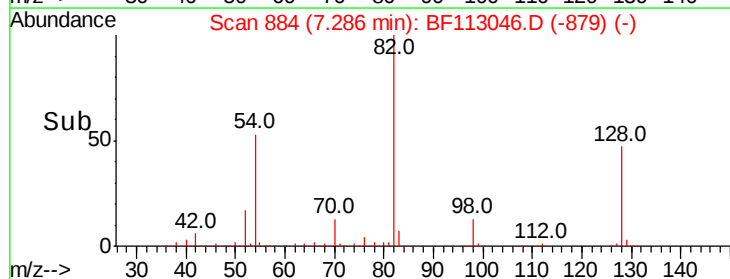
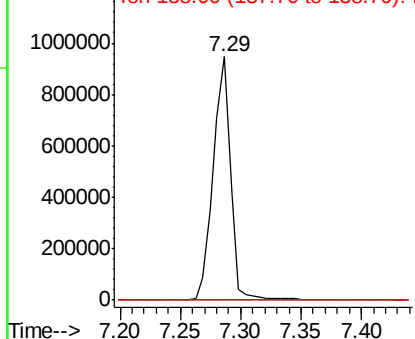


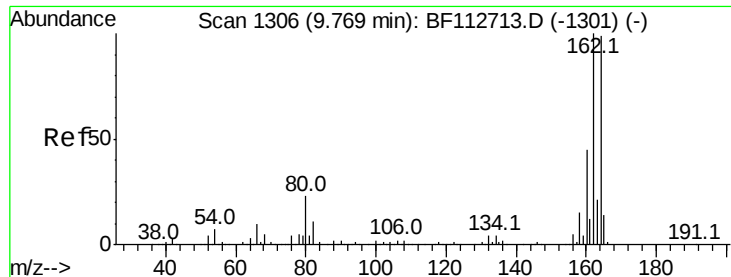
#25
 Isophorone
 Concen: 40.957 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.27 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 19:51

Tgt Ion	82	Resp	937169
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#



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

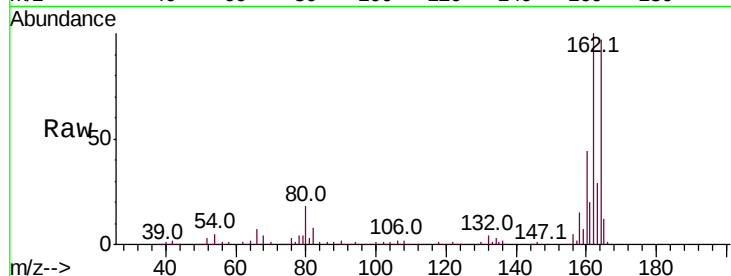




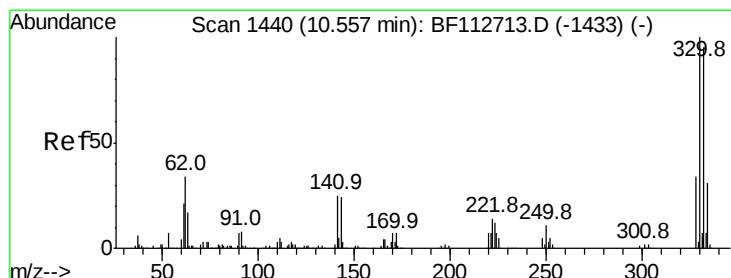
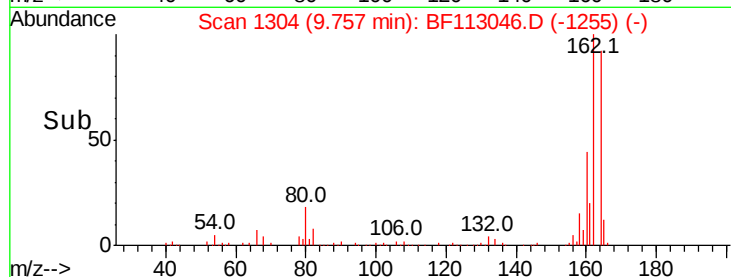
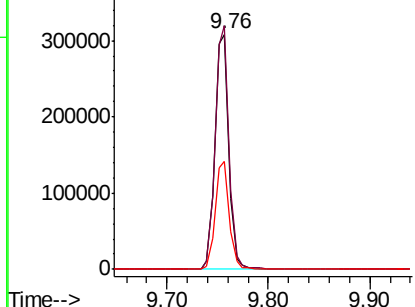
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.5	80.6	120.8
160	45.7	36.0	54.0

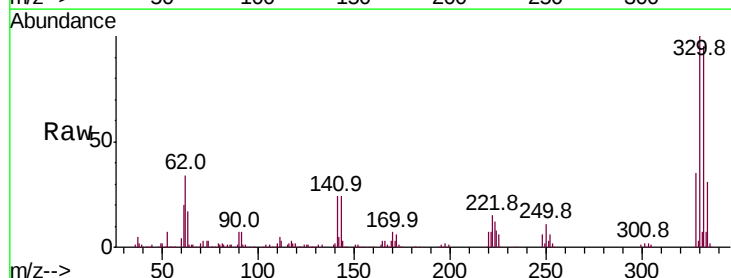


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

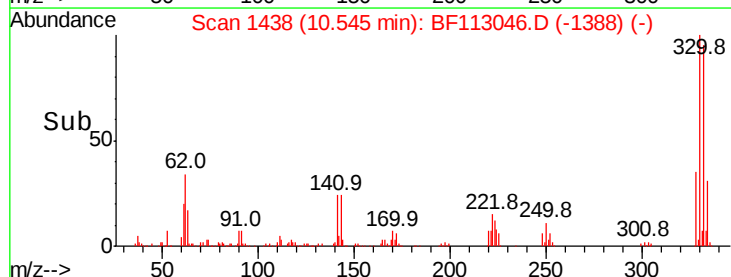
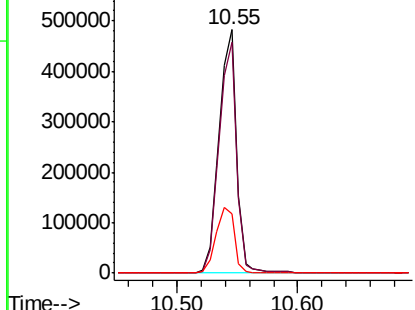


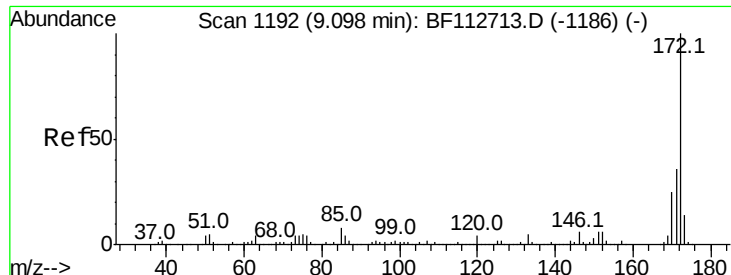
#42
2,4,6-Tribromophenol
Concen: 154.633 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.2	114.4
141	28.8	27.0	40.6



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



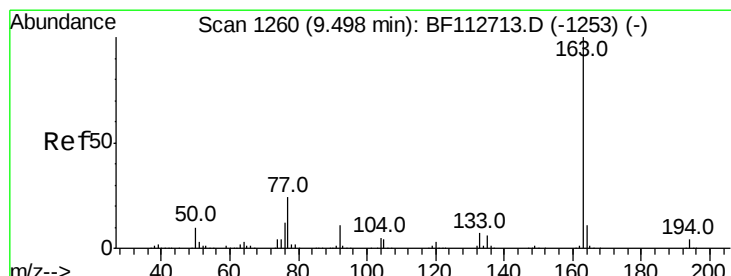
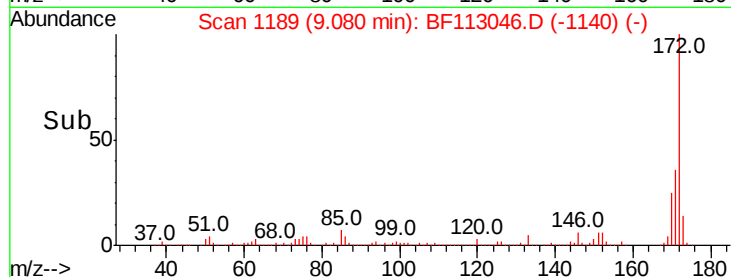
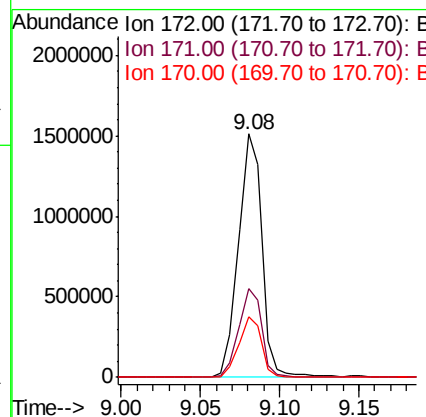
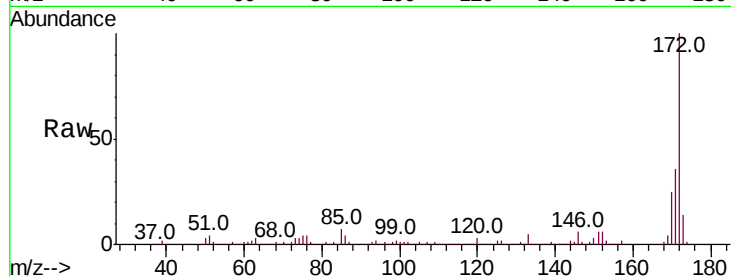


#45
 2-Fluorobiphenyl
 Concen: 88.681 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1561569

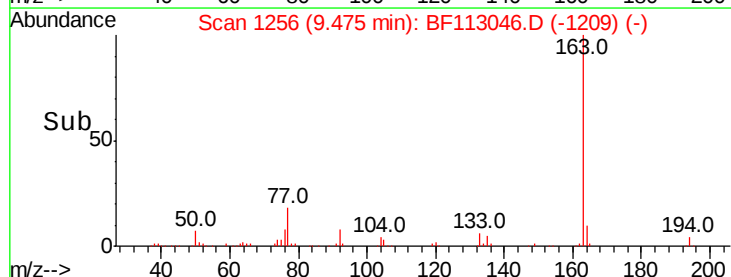
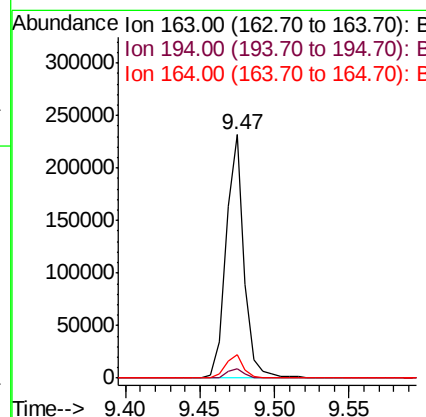
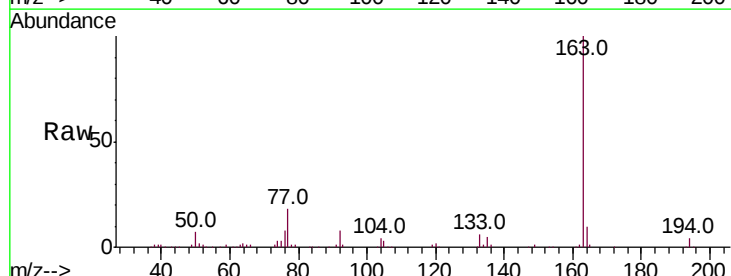
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.4
170	24.7	20.0	30.0

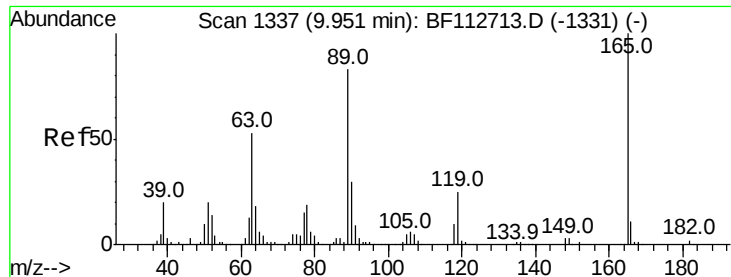


#50
 Dimethylphthalate
 Concen: 9.055 ng
 RT: 9.47 min Scan# 1256
 Delta R.T. -0.02 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 19:51

Tgt Ion:163 Resp: 197053

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	9.7	8.4	12.6





#57

2,4-Dinitrotoluene

Concen: 6.721 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 37856

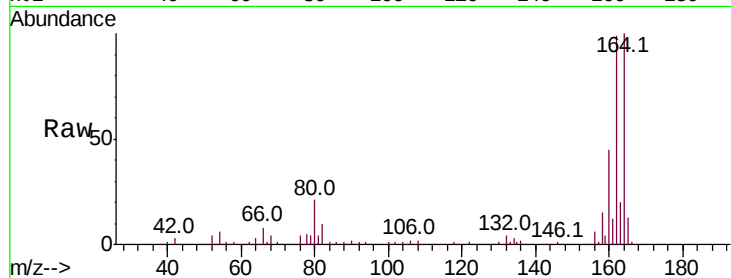
Ion Ratio Lower Upper

165 100

63 1.3 42.2 63.2#

89 1.0 66.2 99.4#

182 0.0 1.8 2.6#

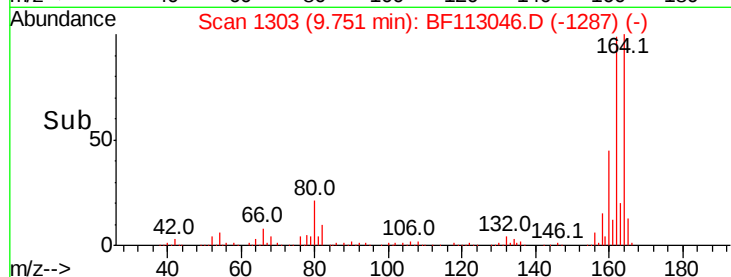


Abundance Ion 165.00 (164.70 to 165.70): E

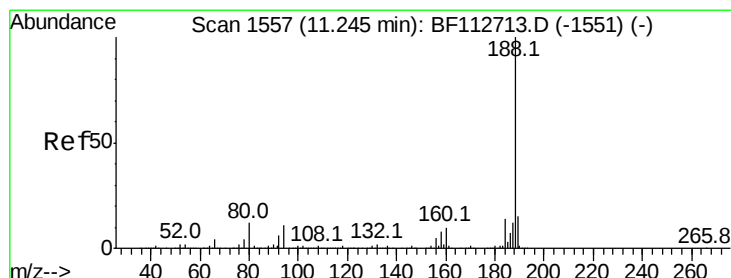
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time--> 9.70 9.75 9.80



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

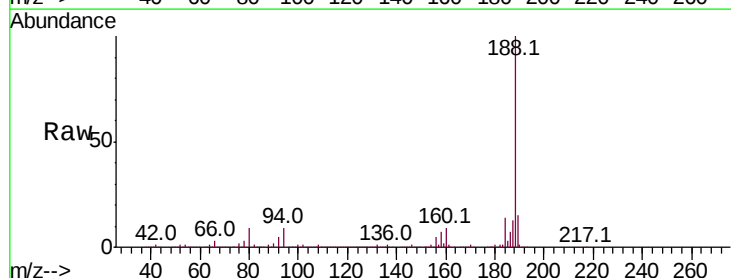
Tgt Ion:188 Resp: 640665

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

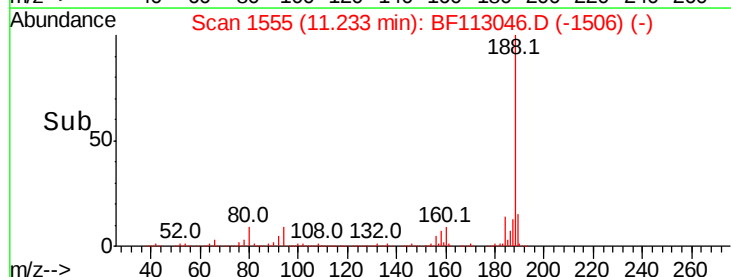
80 8.8 9.2 13.8#



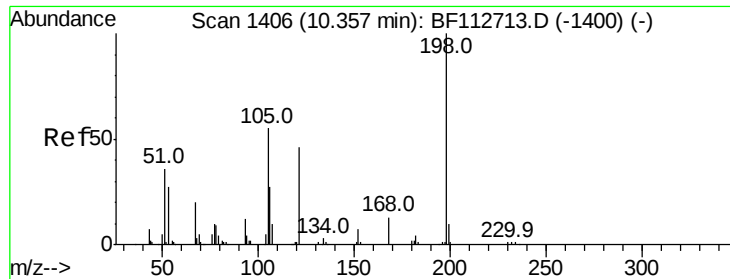
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



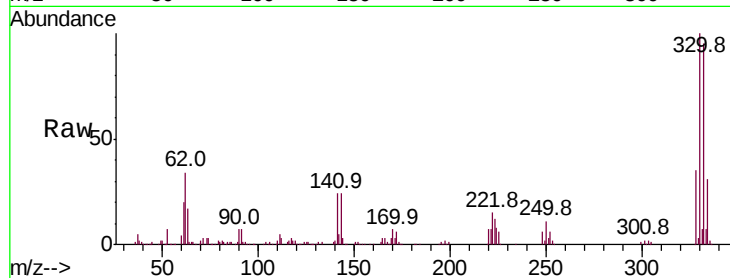
Time--> 11.20 11.30 11.40



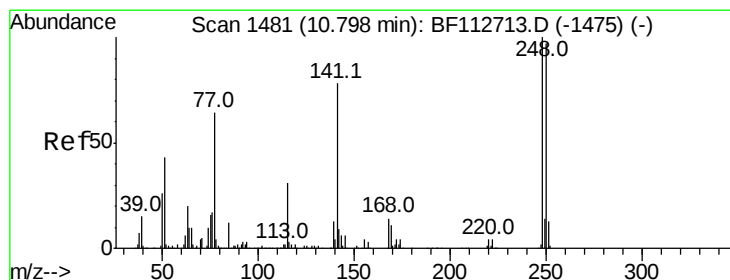
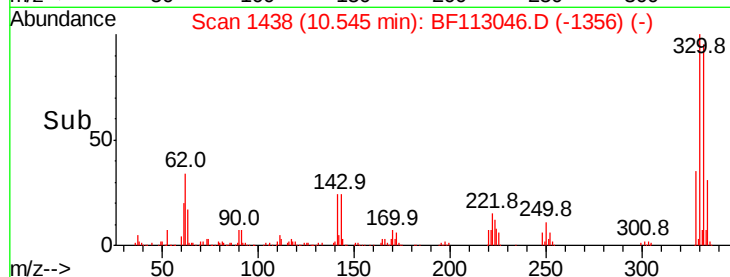
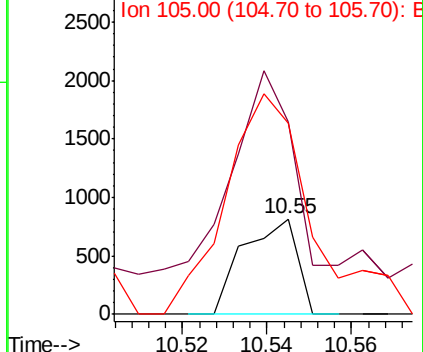
#65
4,6-Dinitro-2-methylphenol
Concen: 4.861 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 724
Ion Ratio Lower Upper
198 100
51 201.1 43.8 83.8#
105 199.1 36.5 76.5#

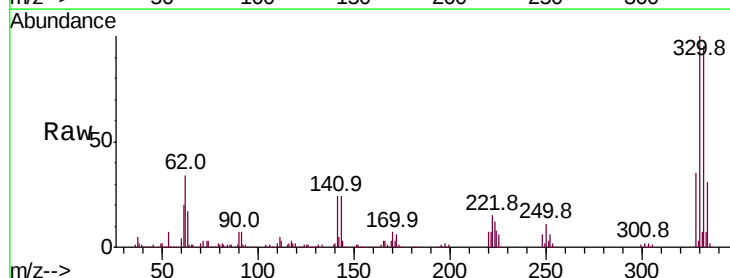


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

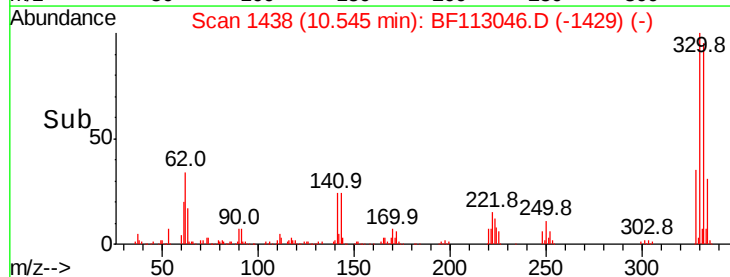
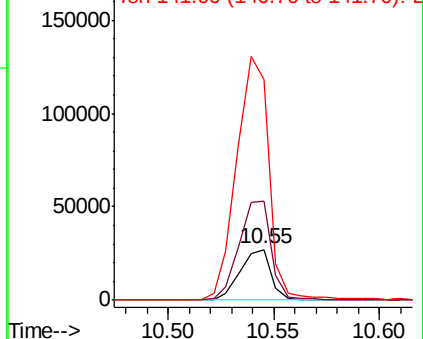


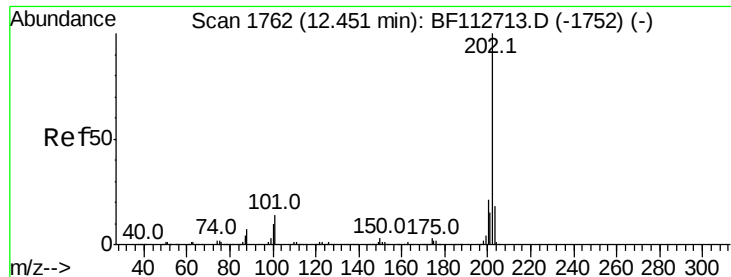
#67
4-Bromophenyl-phenylether
Concen: 4.086 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Tgt Ion:248 Resp: 27572
Ion Ratio Lower Upper
248 100
250 196.9 77.5 116.3#
141 437.8 62.4 93.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 16.327 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

Instrument :

BNA_F

ClientSampleId :

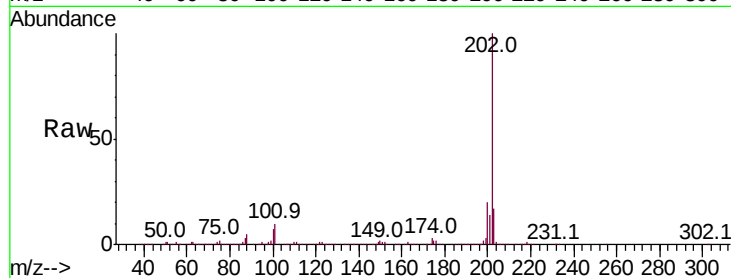
Tot Ion:202 Resp: 557598

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.8

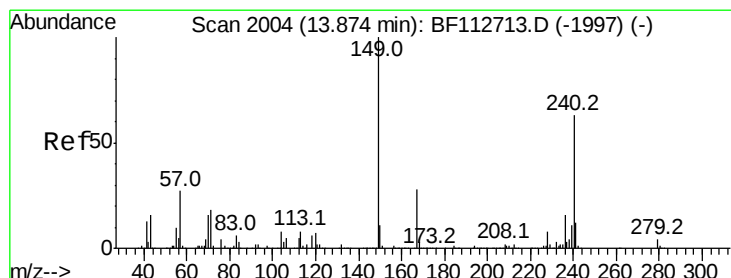
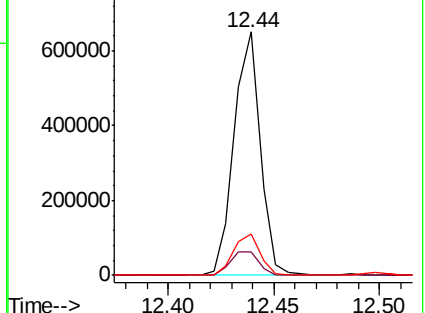
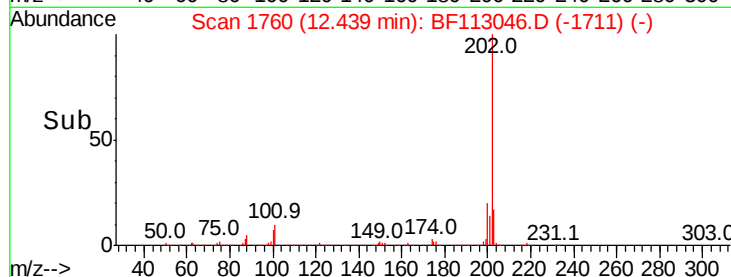
203 17.2 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

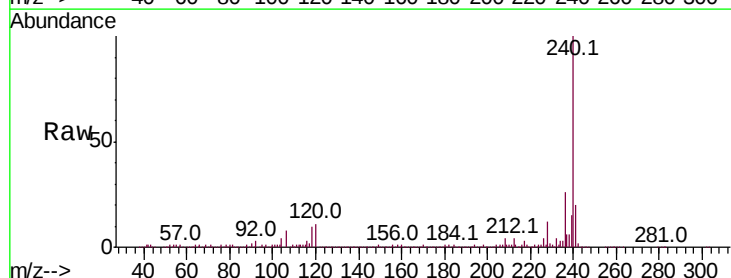
Tgt Ion:240 Resp: 522925

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

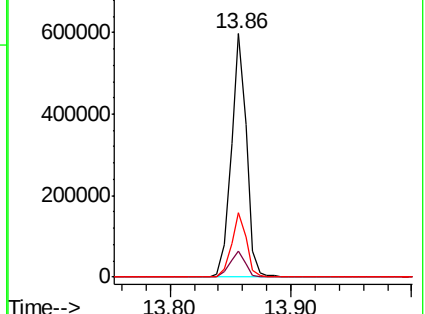
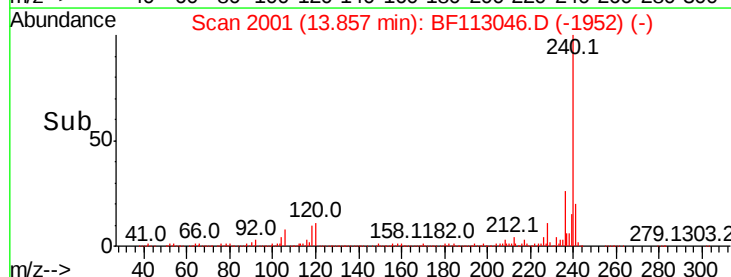
236 26.2 20.7 31.1

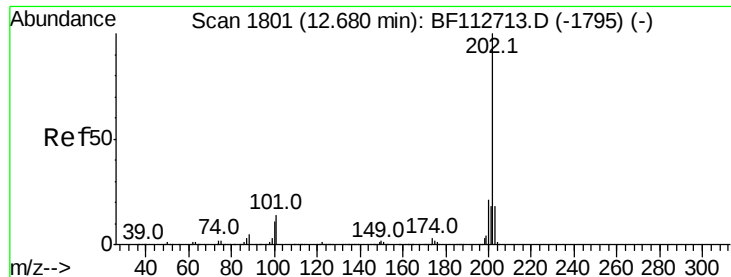


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 11.044 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

Instrument :

BNA_F

ClientSampleId :

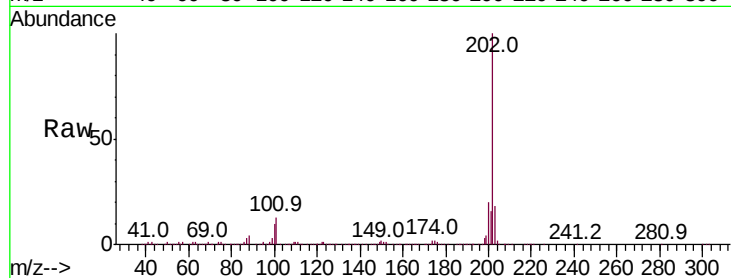
Tot Ion:202 Resp: 486862

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.4

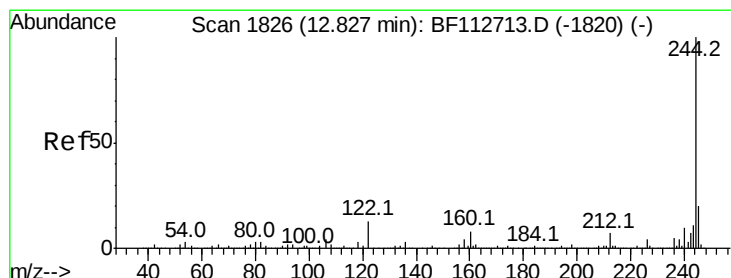
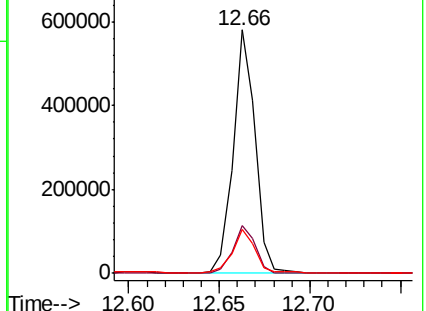
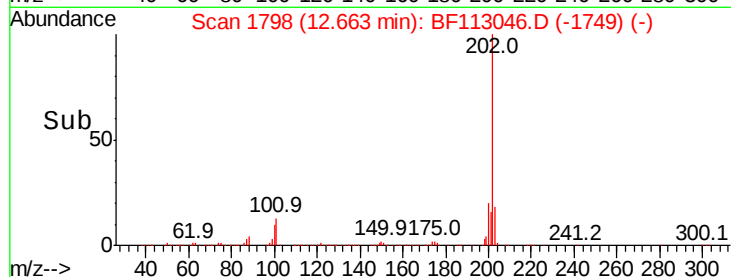
203 17.9 14.4 21.6



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: 68.346 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

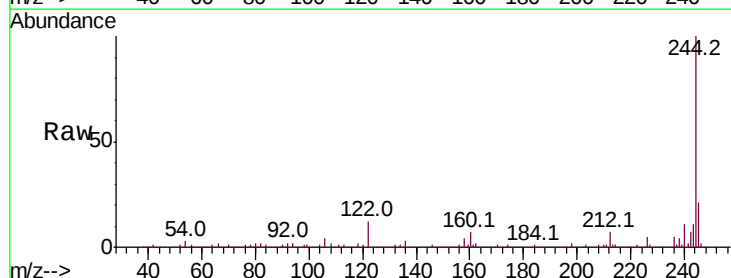
Tgt Ion:244 Resp: 1843695

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

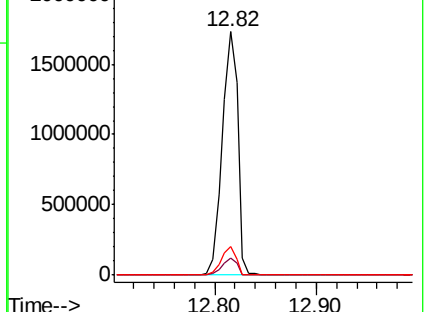
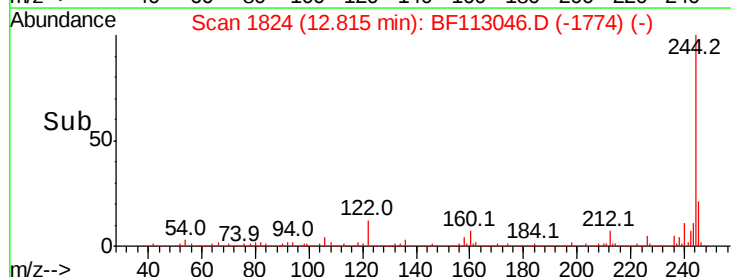
122 11.9 10.5 15.7

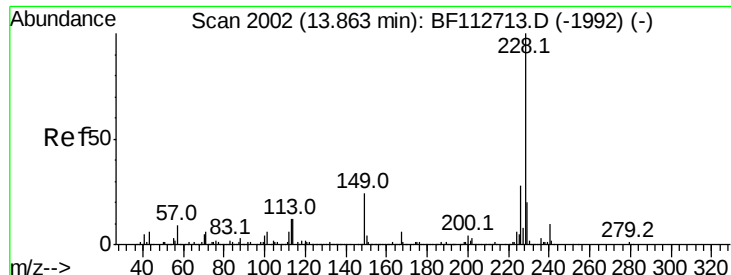


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.347 ng

RT: 13.84 min Scan# 1999

Delta R.T. -0.01 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

Instrument :

BNA_F

ClientSampleId :

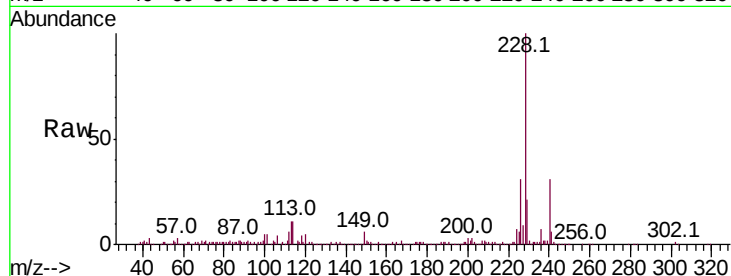
Tot Ion:228 Resp: 266283

Ion Ratio Lower Upper

228 100

226 31.2 22.2 33.4

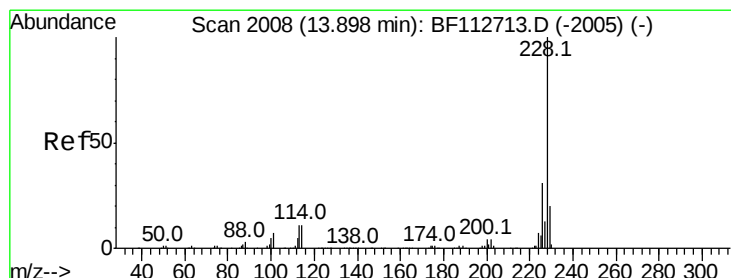
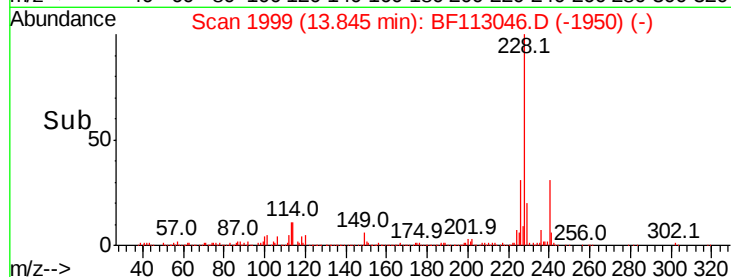
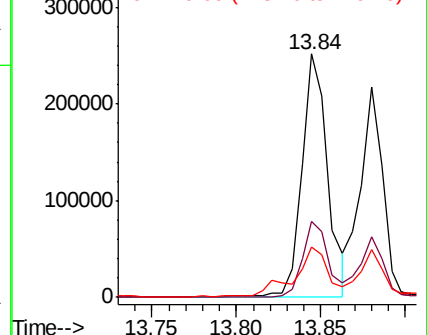
229 20.5 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 5.730 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF113046.D

Acq: 13 Mar 2019 19:51

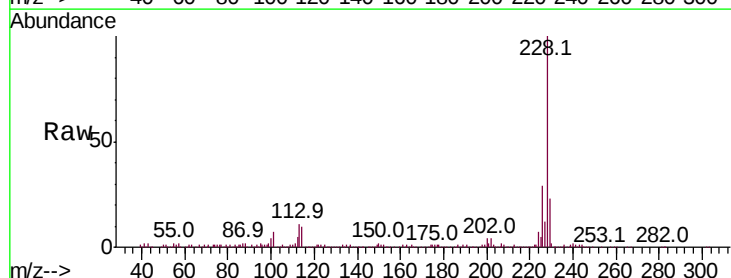
Tgt Ion:228 Resp: 203427

Ion Ratio Lower Upper

228 100

226 29.1 24.9 37.3

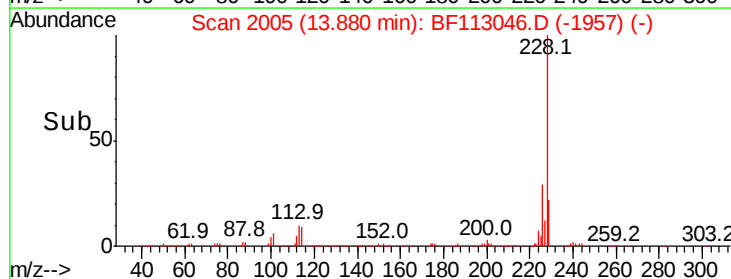
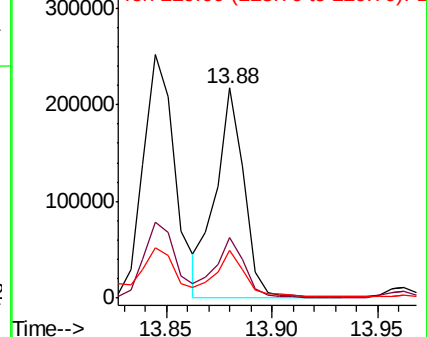
229 23.0 16.3 24.5

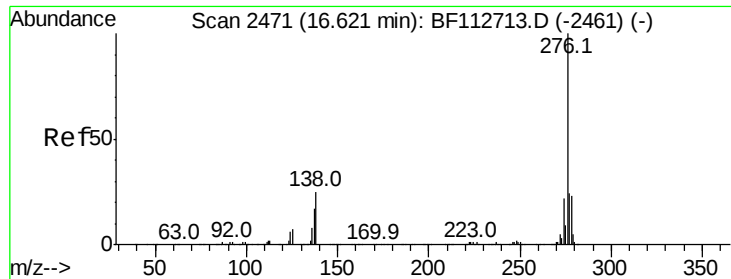


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

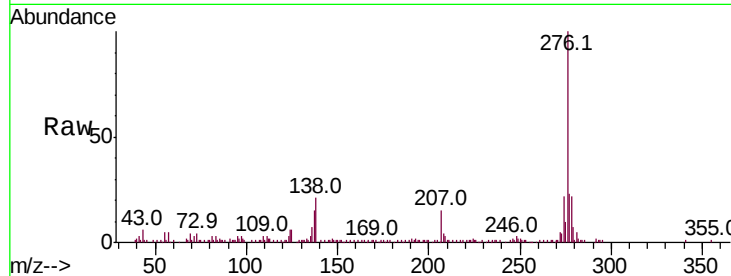




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.608 ng
 RT: 16.61 min Scan# 2469
 Delta R.T. -0.03 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 19:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	23.2	34.8#
277	23.5	19.9	29.9

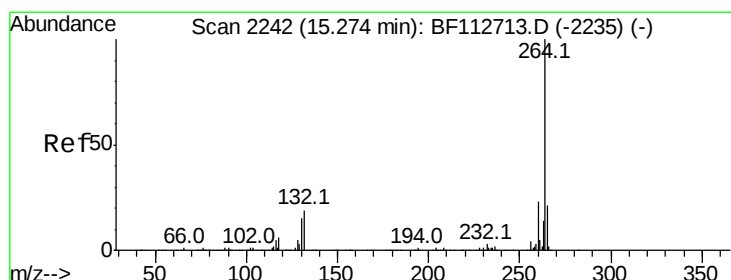
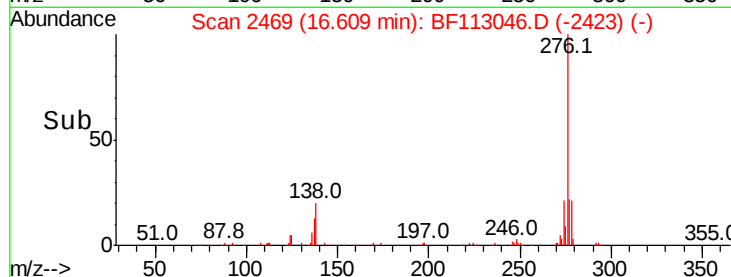
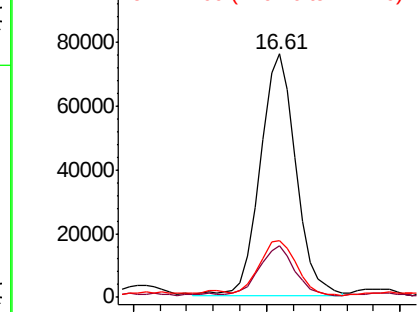


Abundance

Ion 276.00 (275.70 to 276.70): E

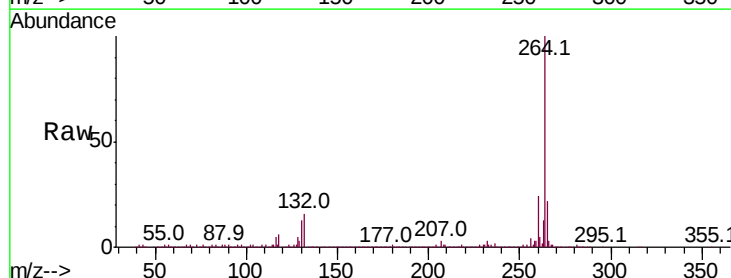
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: BF113046.D
 Acq: 13 Mar 2019 19:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.0	17.2	25.8

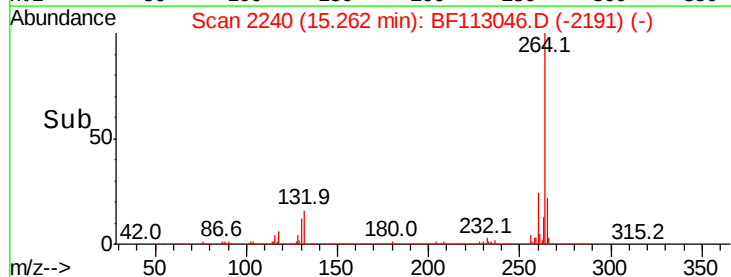
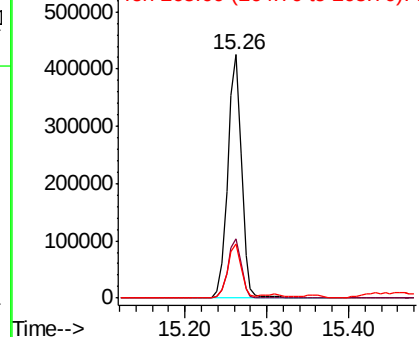


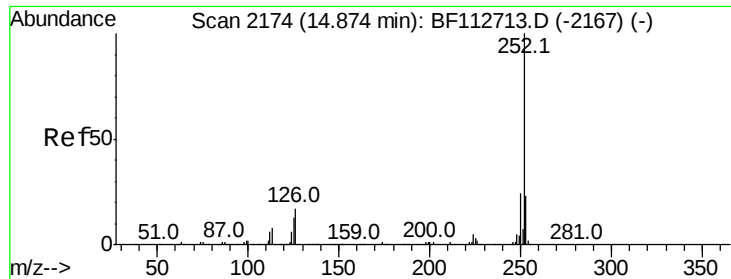
Abundance

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

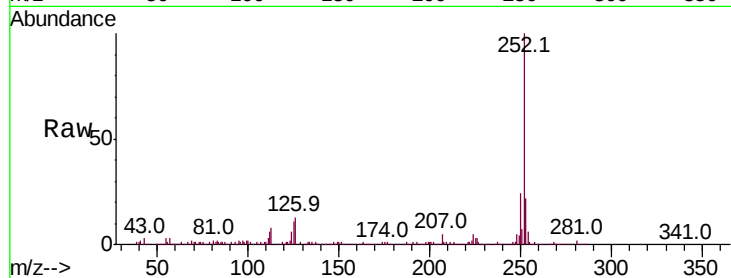




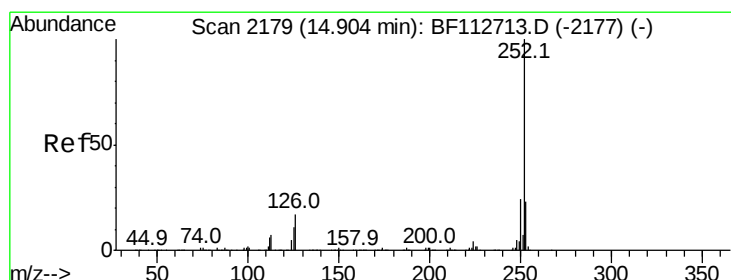
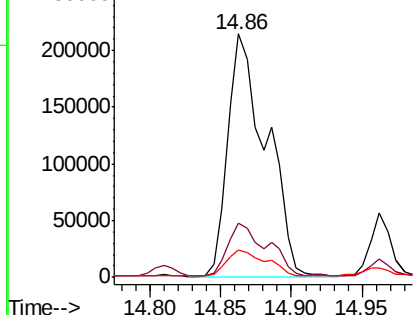
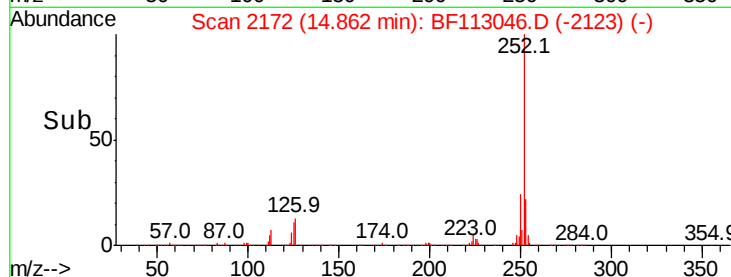
#88
Benzo(b)fluoranthene
Concen: 12.547 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 406146
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.4 10.2 15.2

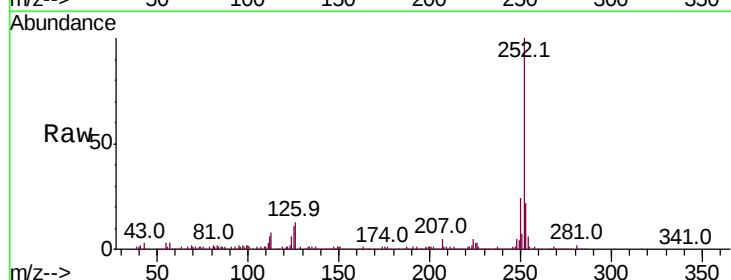


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

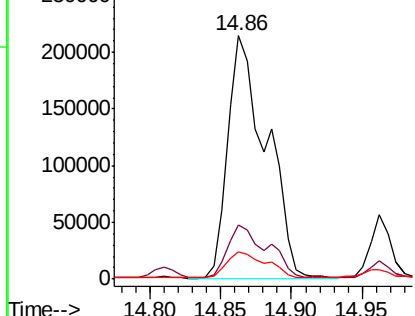
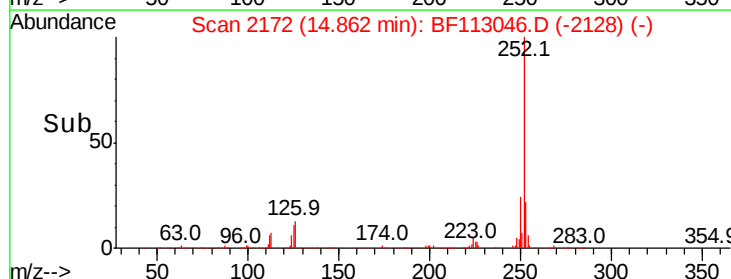


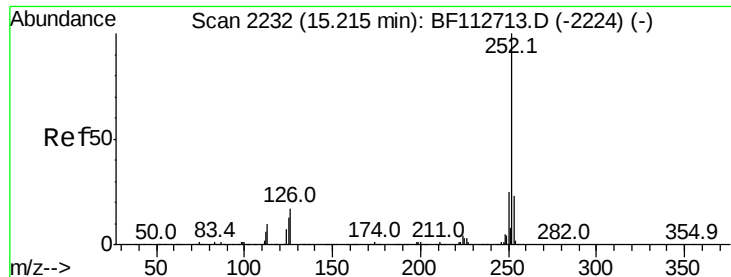
#89
Benzo(k)fluoranthene
Concen: 13.851 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.04 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Tgt Ion:252 Resp: 406146
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 11.4 9.8 14.6



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

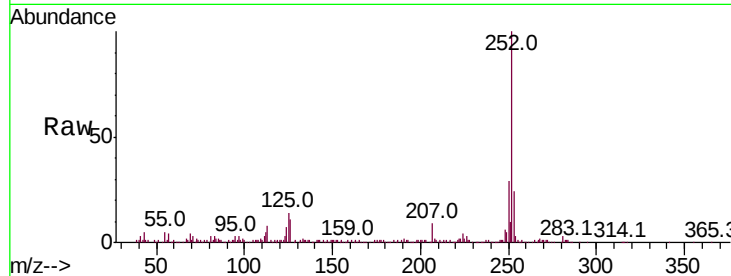




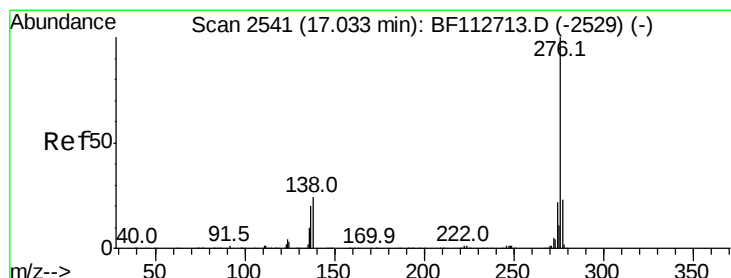
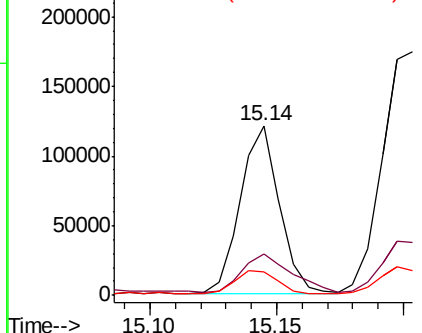
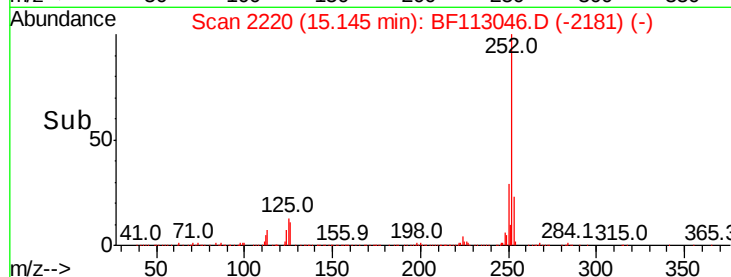
#90
Benzo(a)pyrene
Concen: 4.526 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.07 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 129603
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 13.7 10.7 16.1

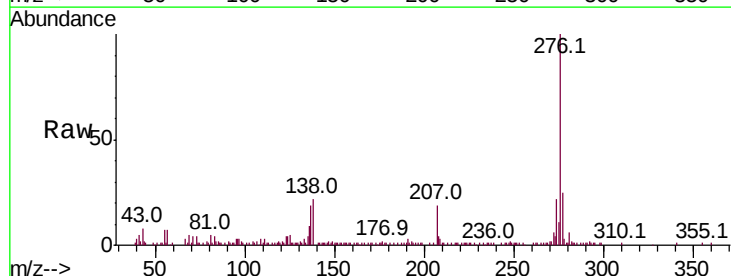


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.015 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.03 min
Lab File: BF113046.D
Acq: 13 Mar 2019 19:51

Tgt Ion:276 Resp: 123036
Ion Ratio Lower Upper
276 100
277 24.8 18.6 27.8
138 21.7 19.4 29.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

