

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112990.D
 Acq On : 12 Mar 2019 8:01
 Operator : JU/SJ
 Sample : K1817-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW007-030719

Quant Time: Mar 12 09:31:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	168318	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	632800	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	316106	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	666790	20.00	ng	0.00
76) Chrysene-d12	13.86	240	502718	20.00	ng	-0.01
87) Perylene-d12	15.27	264	412232	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	914104	84.48	ng	0.00
7) Phenol-d6	6.37	99	1187323	87.35	ng	0.00
23) Nitrobenzene-d5	7.29	82	702595	66.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	377295	112.43	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1230717	59.62	ng	-0.01
79) Terphenyl-d14	12.82	244	1294045	49.90	ng	0.00

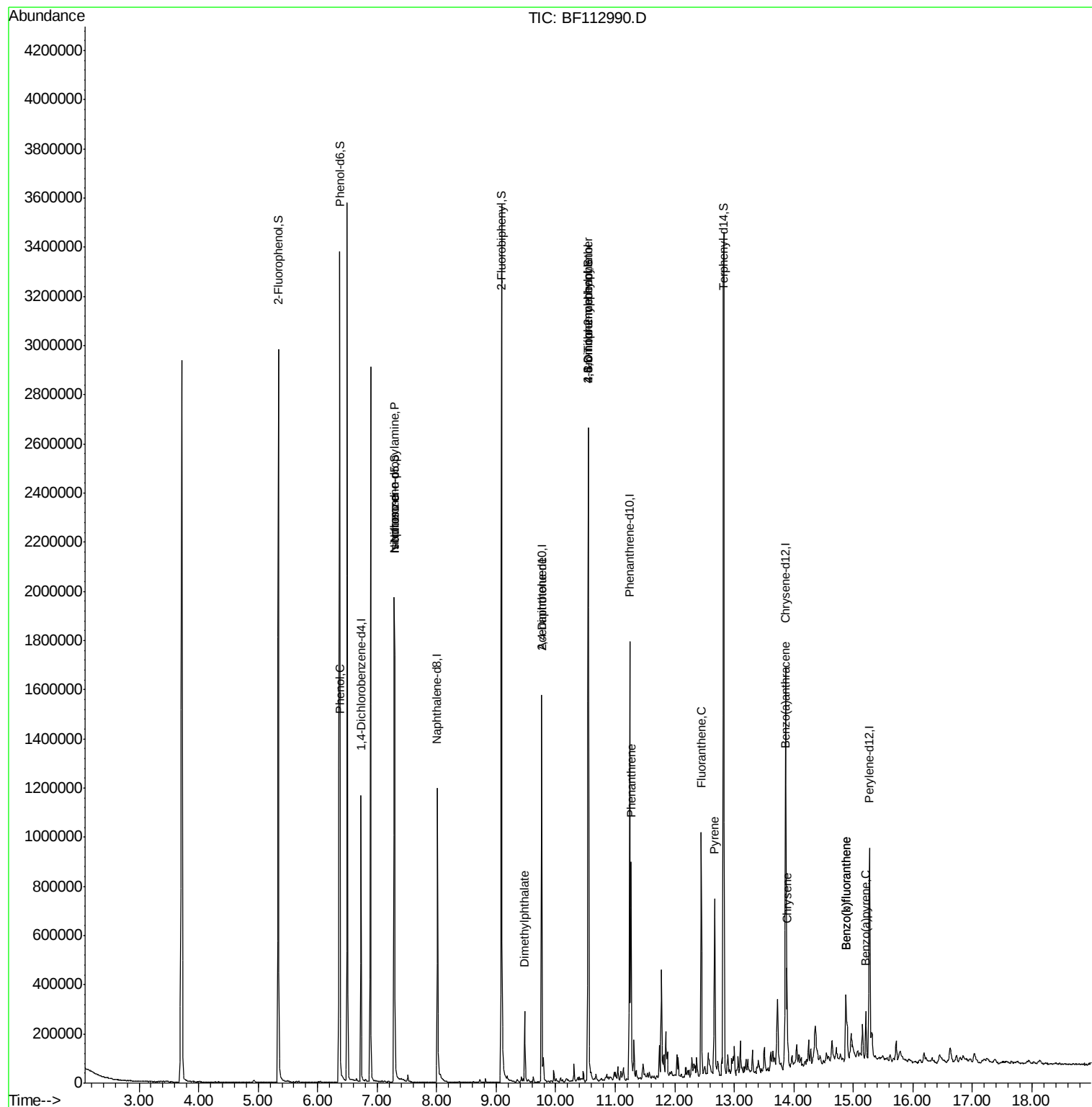
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	38384	2.420	ng	89
19) n-Nitroso-di-n-propylamine	7.29	70	90461	10.508	ng	# 78
25) Isophorone	7.29	82	699917	30.721	ng	# 66
50) Dimethylphthalate	9.48	163	127412	5.466	ng	99
57) 2,4-Dinitrotoluene	9.76	165	40688	6.744	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	653	4.828	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	21343	3.039	ng	# 1
71) Phenanthrene	11.26	178	314080	9.467	ng	97
75) Fluoranthene	12.45	202	382077	10.750	ng	96
78) Pyrene	12.67	202	318694	7.520	ng	97
81) Benzo(a)anthracene	13.85	228	166698	4.784	ng	99
83) Chrysene	13.89	228	155368	4.552	ng	96
88) Benzo(b)fluoranthene	14.87	252	197396	7.403	ng	98
89) Benzo(k)fluoranthene	14.87	252	197396	8.173	ng	99
90) Benzo(a)pyrene	15.21	252	97562	4.137	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 789

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW007-030719

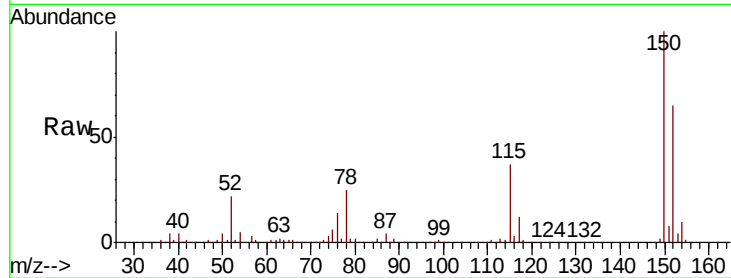
Tot Ion:152 Resp: 168318

Ion Ratio Lower Upper

152 100

150 155.0 124.2 186.2

115 58.1 48.2 72.4

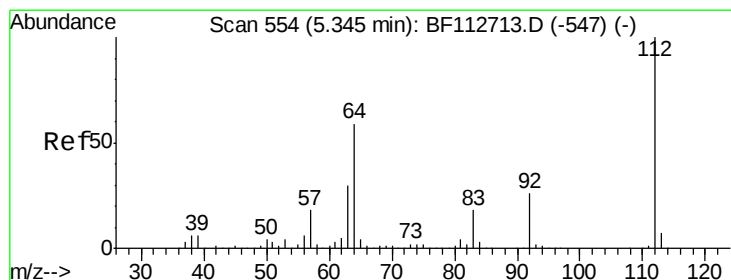
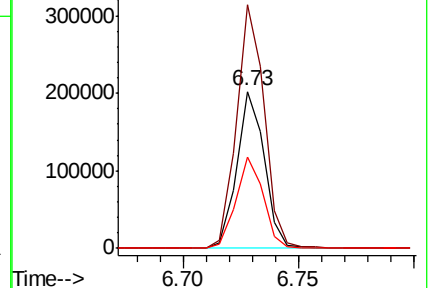
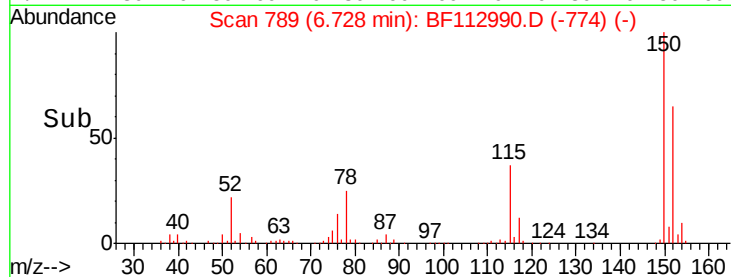


Abundance

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: 84.479 ng

RT: 5.34 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

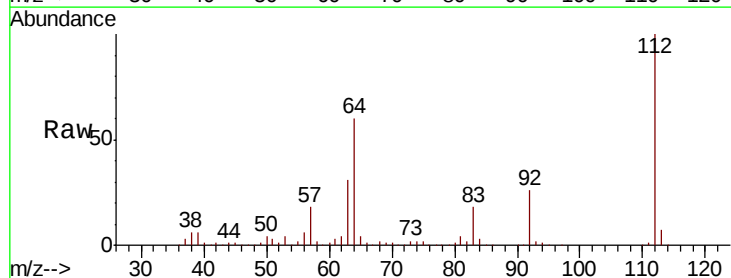
Tgt Ion:112 Resp: 914104

Ion Ratio Lower Upper

112 100

64 60.0 47.6 71.4

63 30.7 24.4 36.6

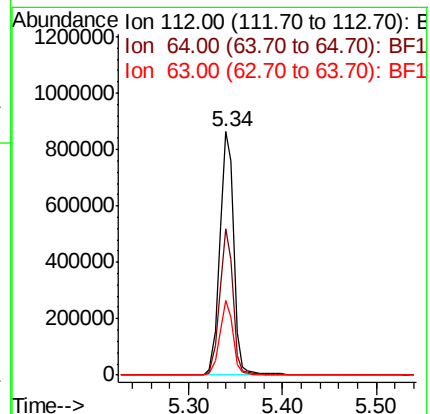
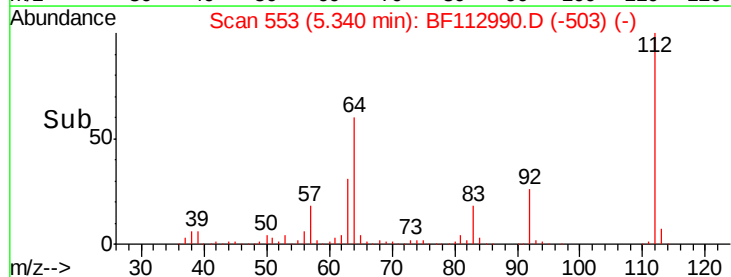


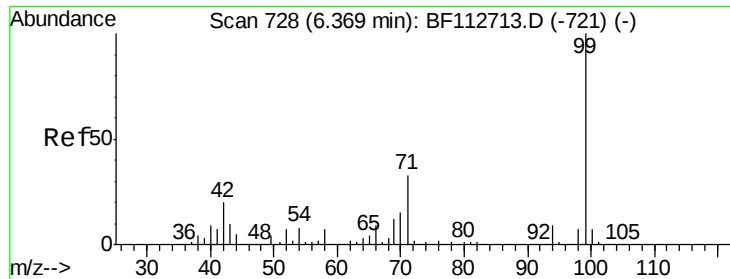
Abundance

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: 87.352 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW007-030719

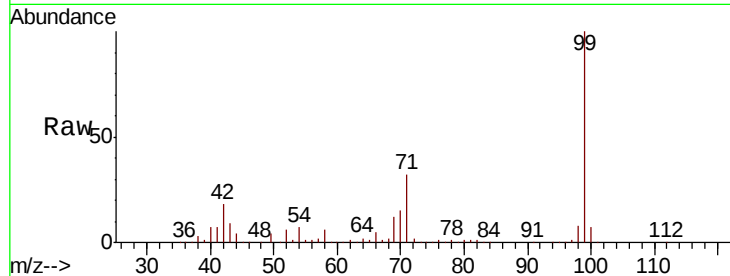
Tot Ion: 99 Resp: 1187323

Ion Ratio Lower Upper

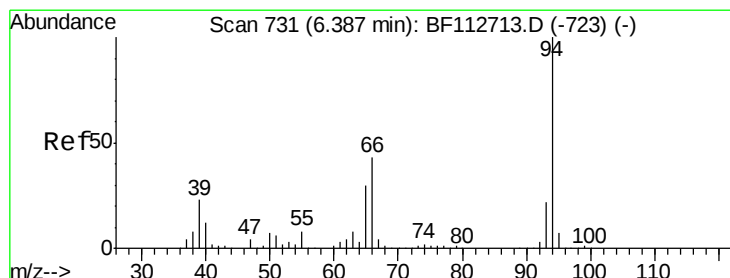
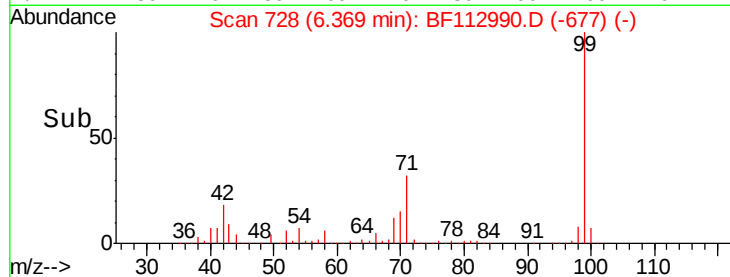
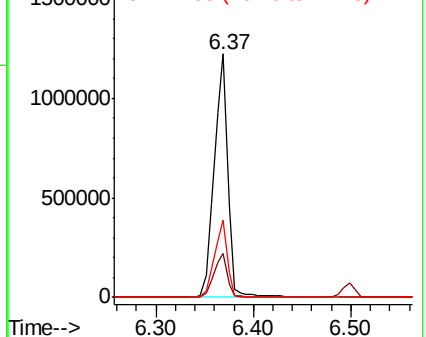
99 100

42 18.1 16.3 24.5

71 31.9 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: 2.420 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

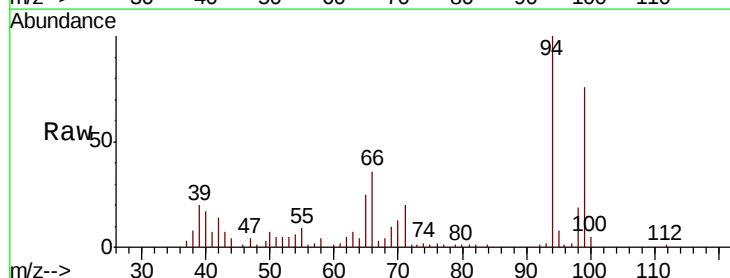
Tgt Ion: 94 Resp: 38384

Ion Ratio Lower Upper

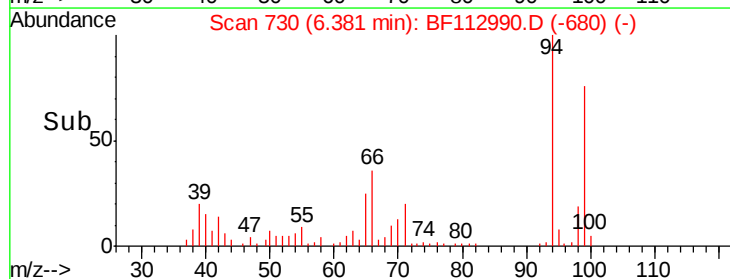
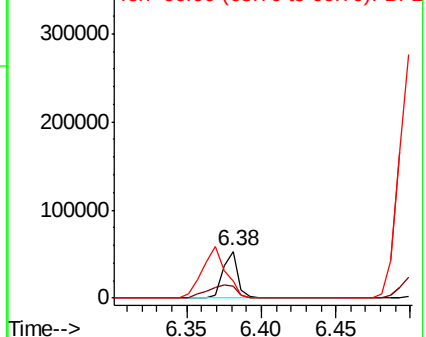
94 100

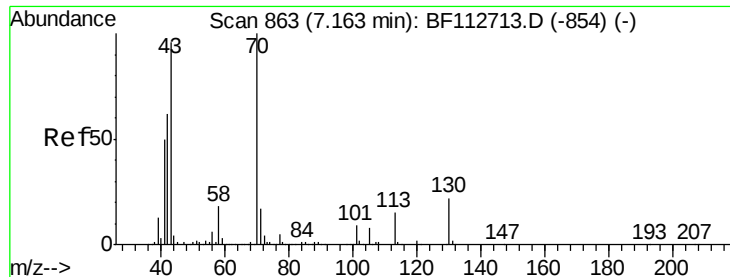
65 24.6 10.5 50.5

66 35.5 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

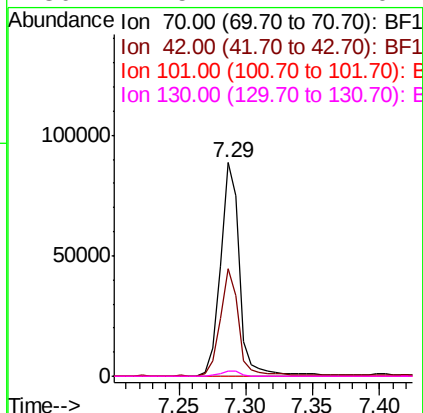
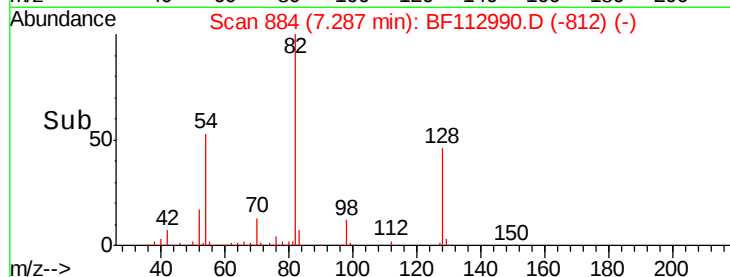
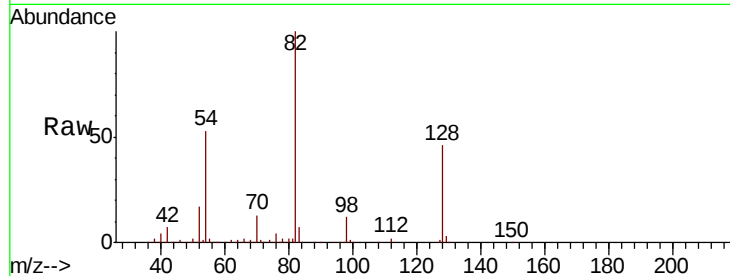




#19
n-Nitroso-di-n-propylamine
Concen: 10.508 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

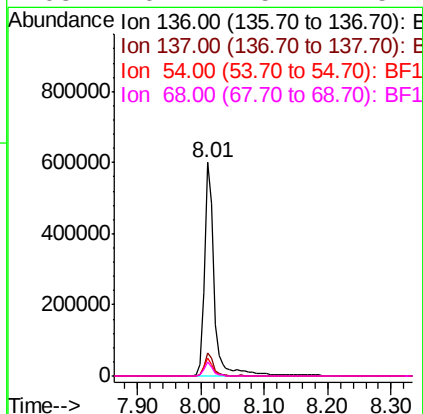
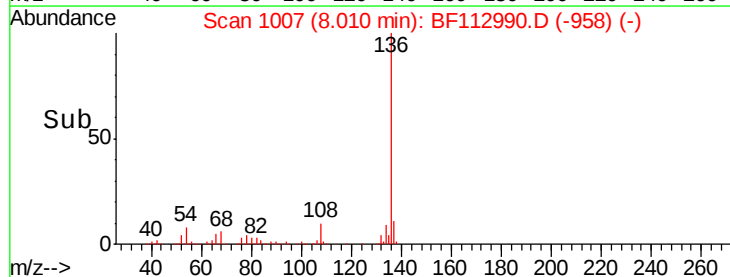
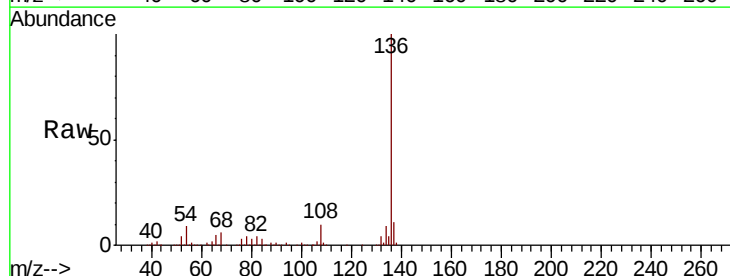
Instrument :
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ClientSampleId :
EXT-027-SW007-030719

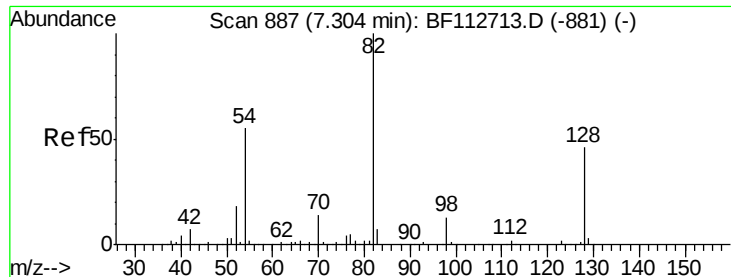
Tot Ion: 70 Resp: 90461
Ion Ratio Lower Upper
70 100
42 50.5 49.9 74.9
101 0.0 7.4 11.2#
130 2.5 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion: 136 Resp: 632800
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.6 7.3 10.9
68 6.4 5.4 8.2

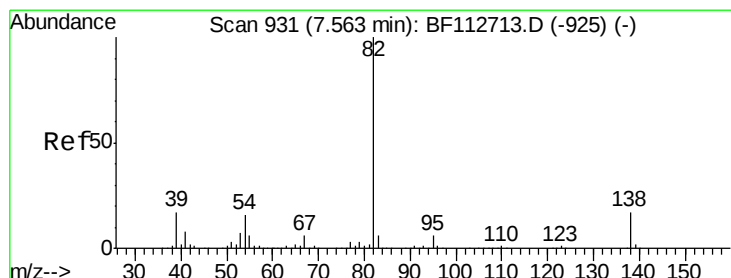
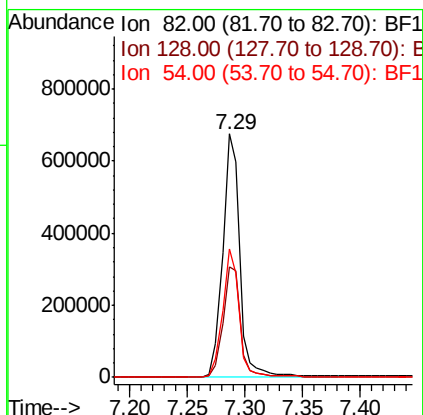
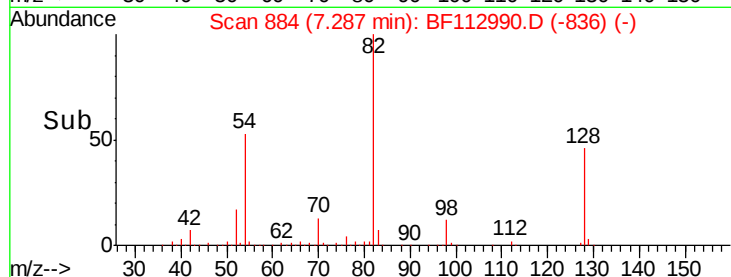
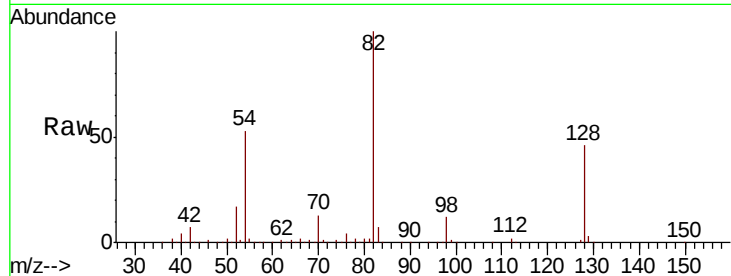




#23
Nitrobenzene-d5
Concen: 66.438 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

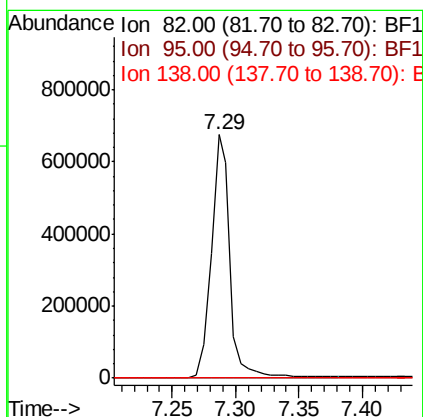
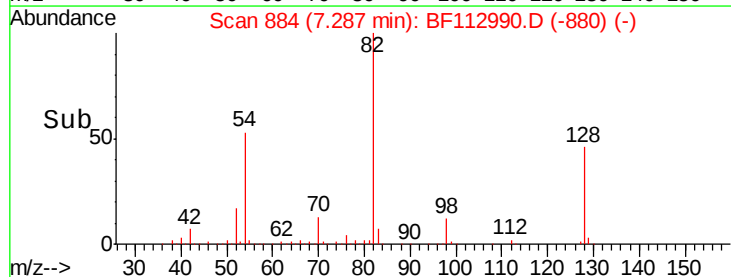
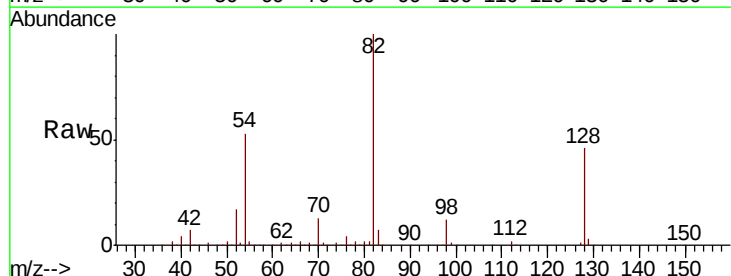
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

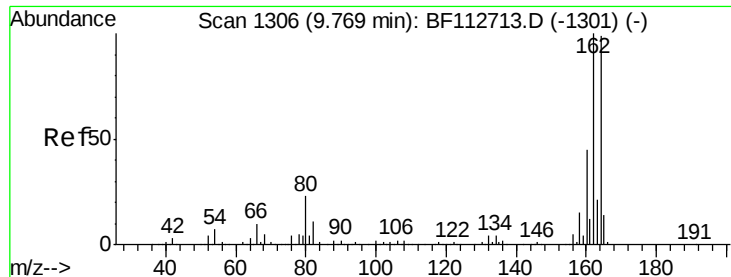
Tot Ion	82	Resp	702595
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.3	54.5
54	52.7	43.7	65.5



#25
Isophorone
Concen: 30.721 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	82	Resp	699917
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.2	7.8#
138	0.0	13.8	20.8#

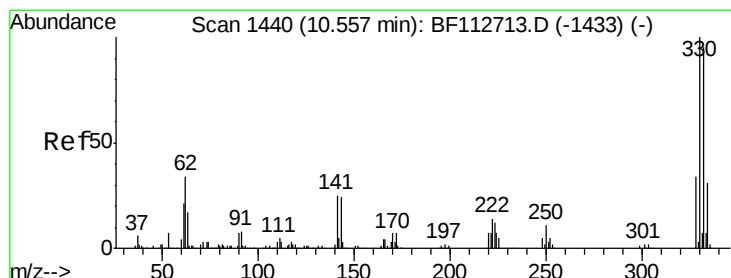
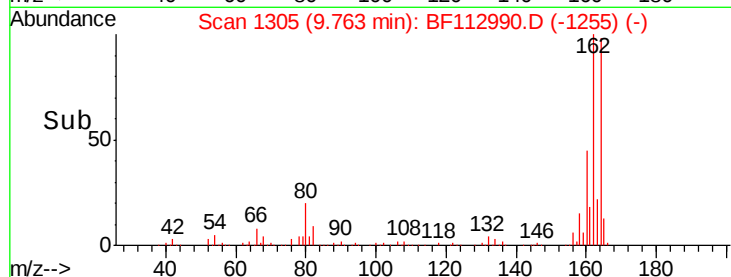
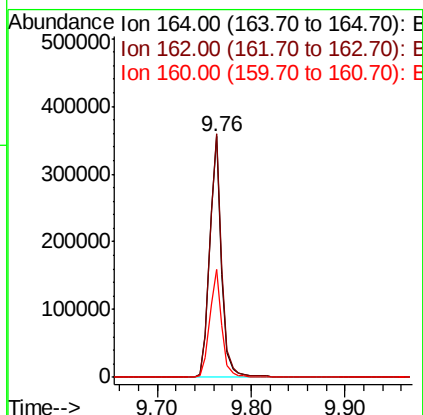
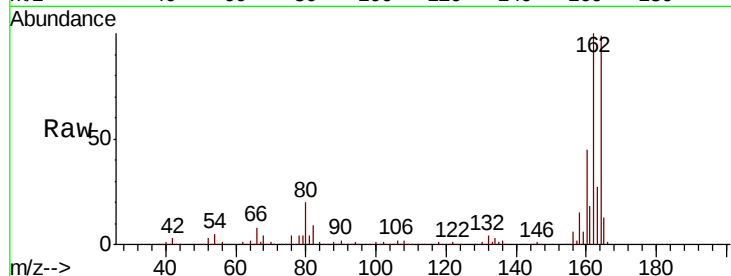




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF112990.D
 Acq: 12 Mar 2019 8:01

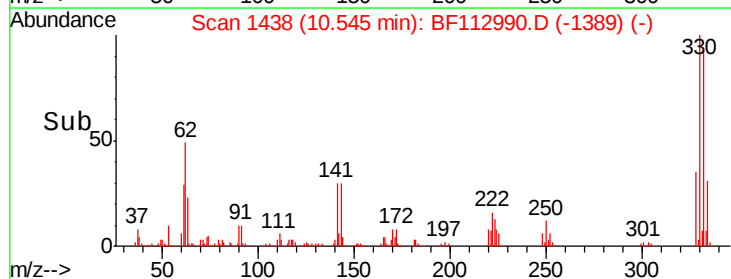
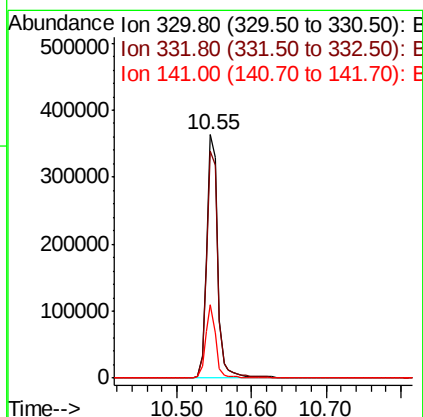
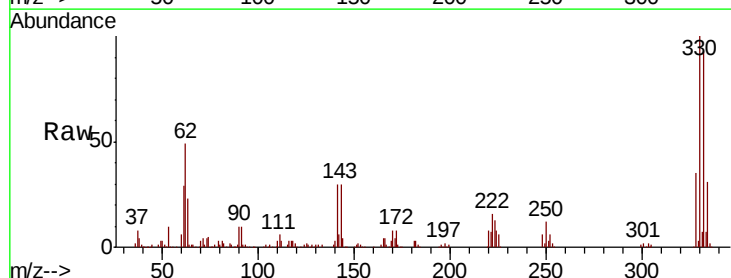
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 BNA_F
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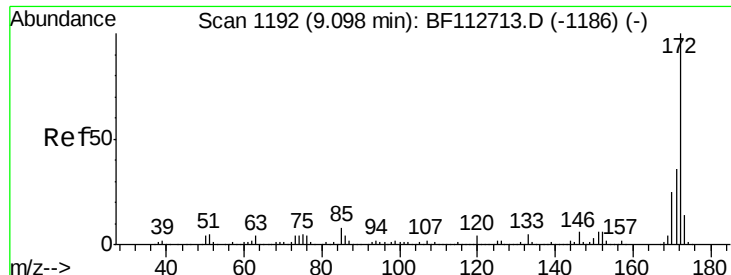
Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	45.1	36.0	54.0



#42
 2,4,6-Tribromophenol
 Concen: 112.429 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112990.D
 Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.2	114.4
141	28.0	27.0	40.6

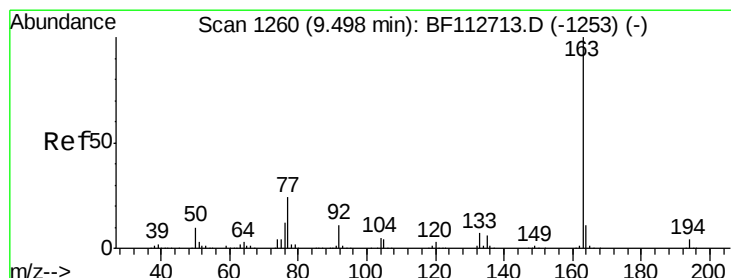
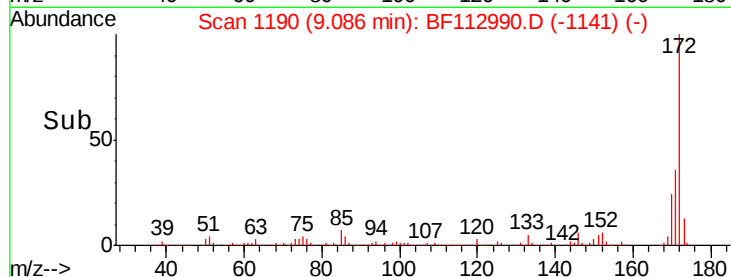
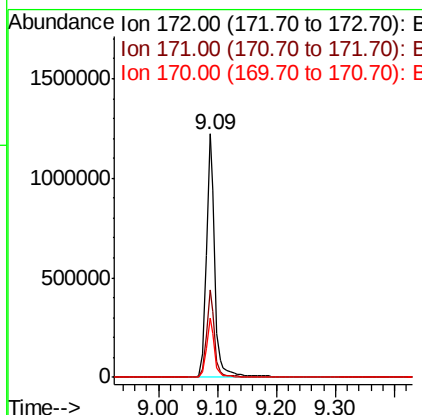
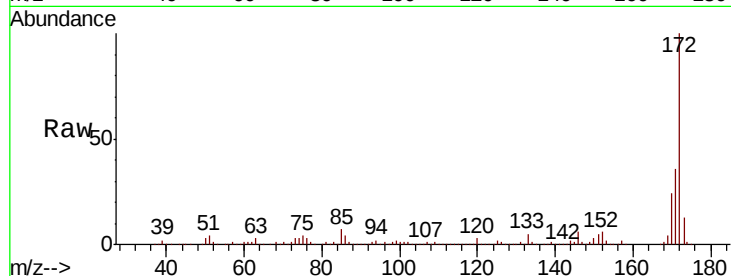




#45
2-Fluorobiphenyl
Concen: 59.618 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

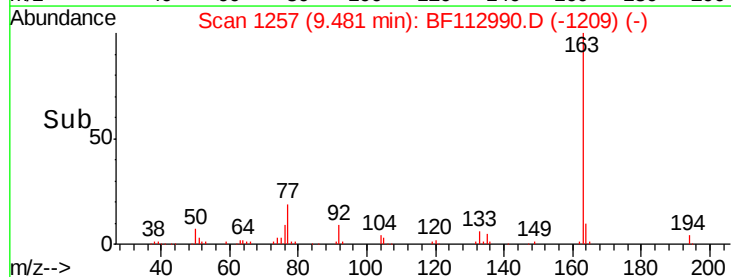
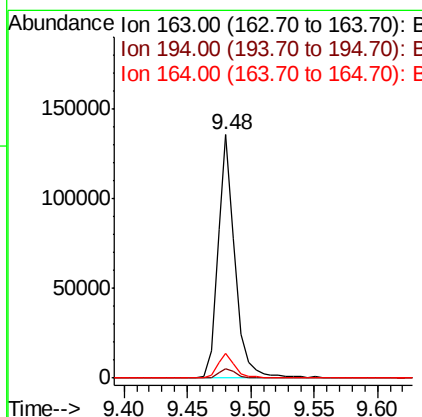
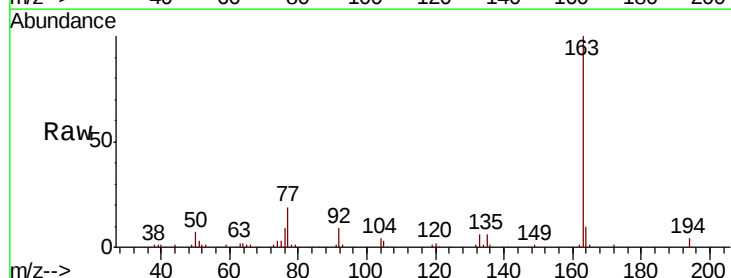
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Tot Ion:172 Resp: 1230717
Ion Ratio Lower Upper
172 100
171 36.1 29.0 43.4
170 24.4 20.0 30.0



#50
Dimethylphthalate
Concen: 5.466 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion:163 Resp: 127412
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 10.3 8.4 12.6

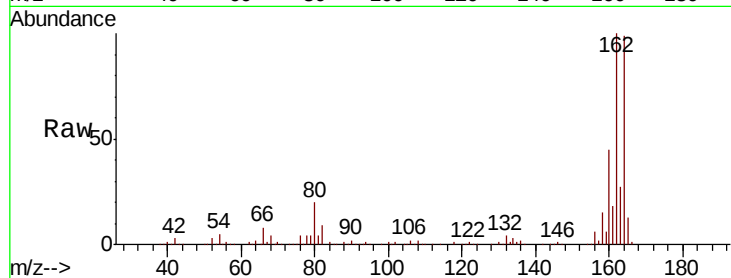




#57
2,4-Dinitrotoluene
Concen: 6.744 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#

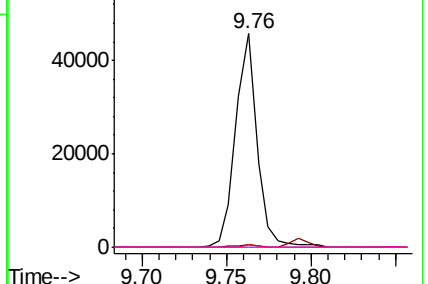
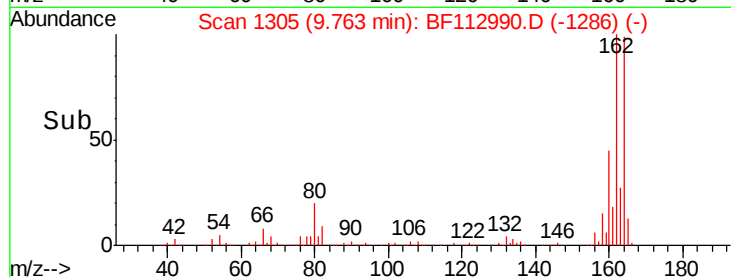


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

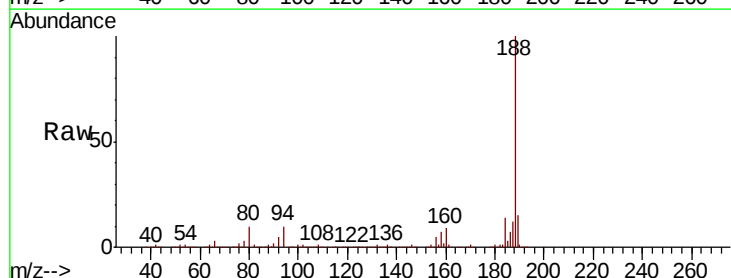
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

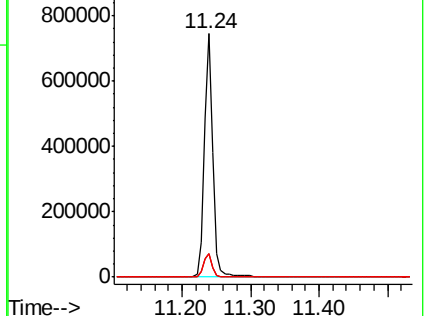
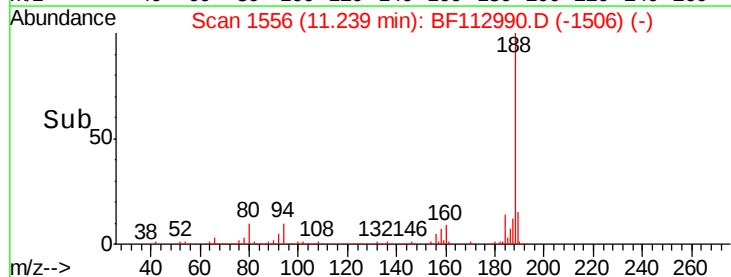
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.4
80	9.8	9.2	13.8

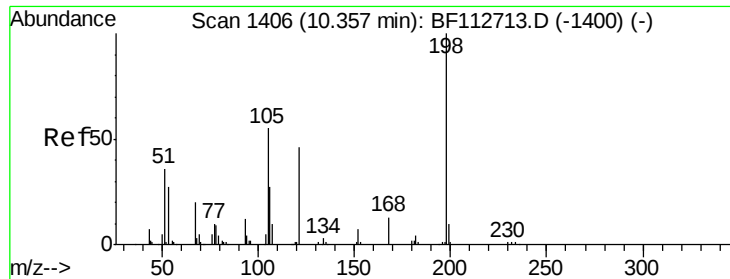


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

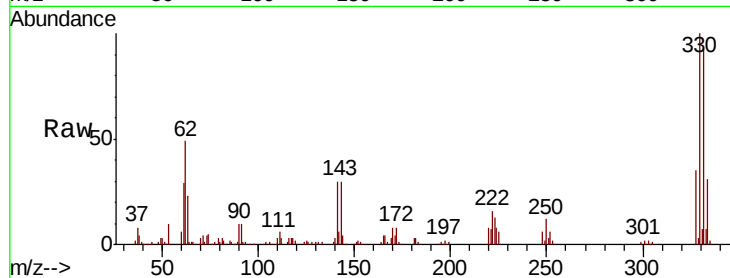




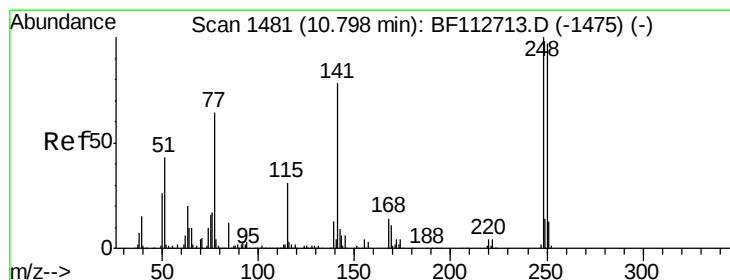
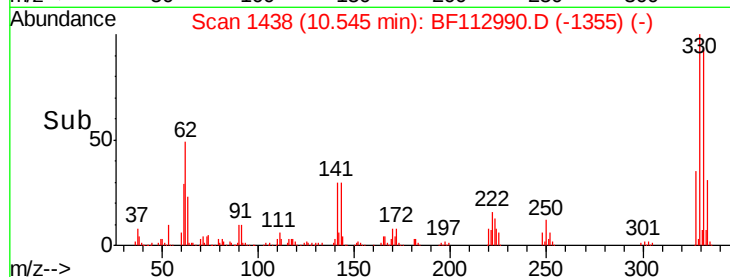
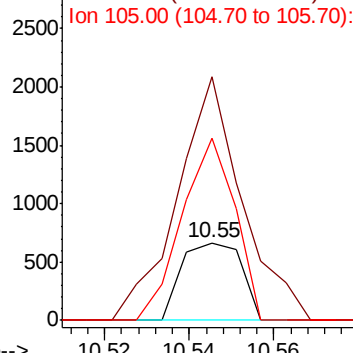
#65
4,6-Dinitro-2-methylphenol
Concen: 4.828 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.19 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion:198 Resp: 653
Ion Ratio Lower Upper
198 100
51 312.9 43.8 83.8#
105 234.9 36.5 76.5#

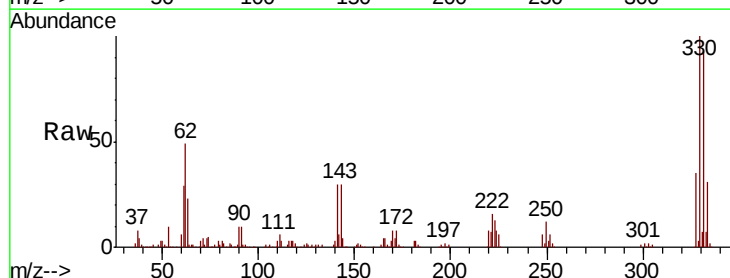


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

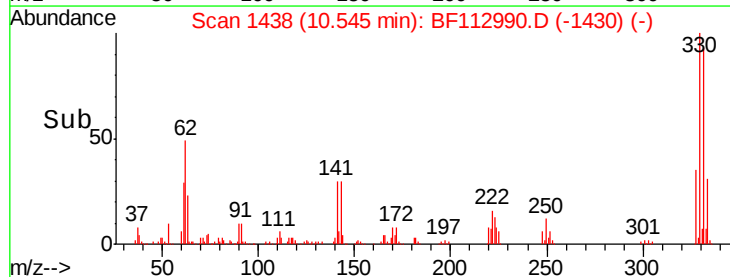
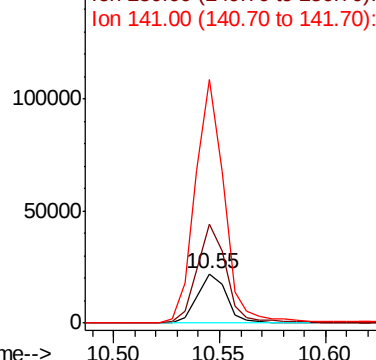


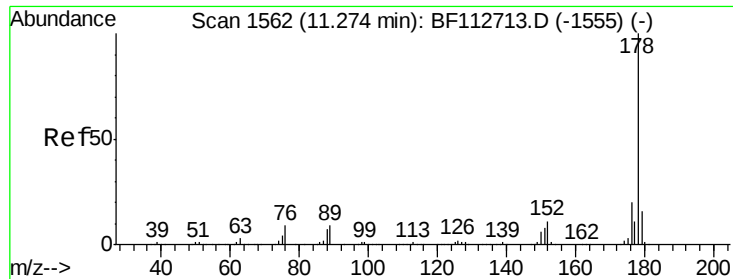
#67
4-Bromophenyl-phenylether
Concen: 3.039 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion:248 Resp: 21343
Ion Ratio Lower Upper
248 100
250 198.9 77.5 116.3#
141 490.6 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

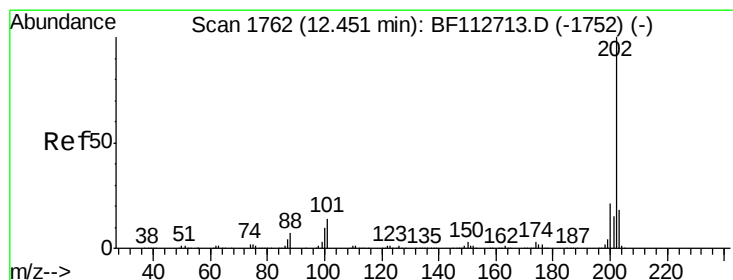
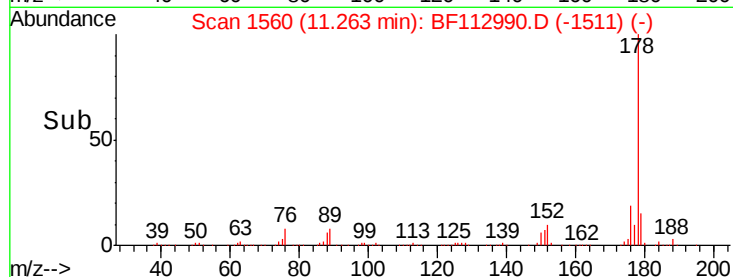
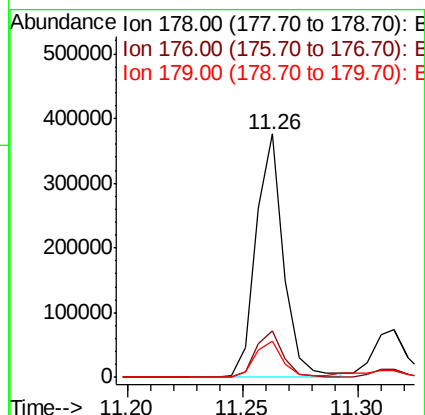
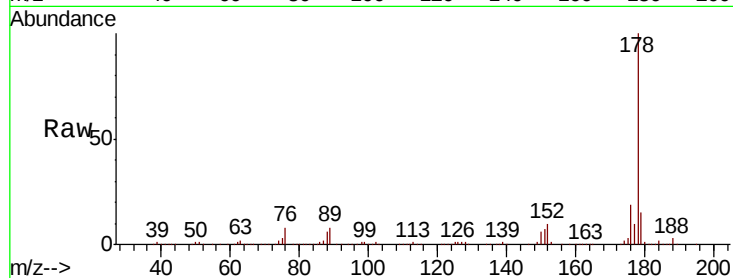




#71
Phenanthrene
Concen: 9.467 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

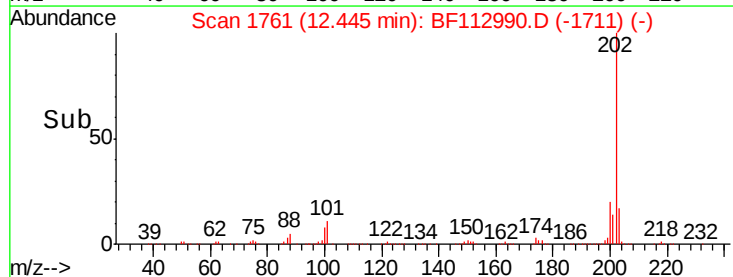
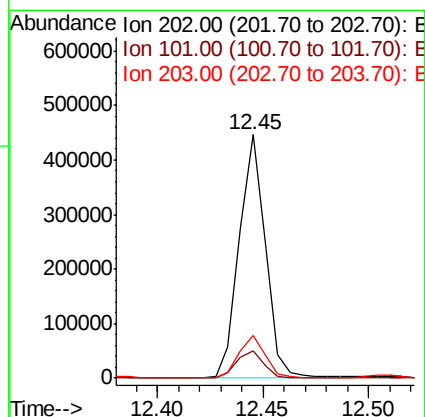
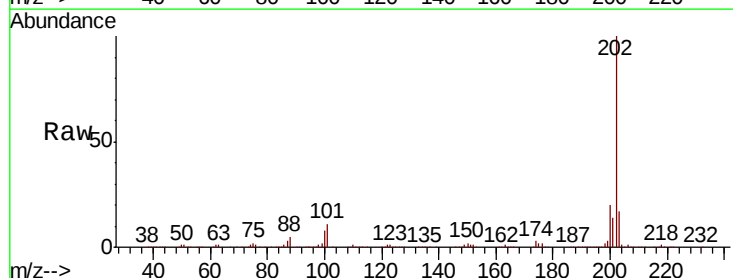
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

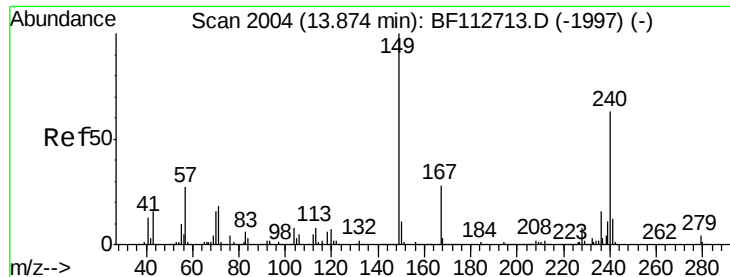
Tot Ion:178 Resp: 314080
Ion Ratio Lower Upper
178 100
176 18.9 16.3 24.5
179 15.1 12.7 19.1



#75
Fluoranthene
Concen: 10.750 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion:202 Resp: 382077
Ion Ratio Lower Upper
202 100
101 11.2 0.0 33.8
203 17.4 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW007-030719

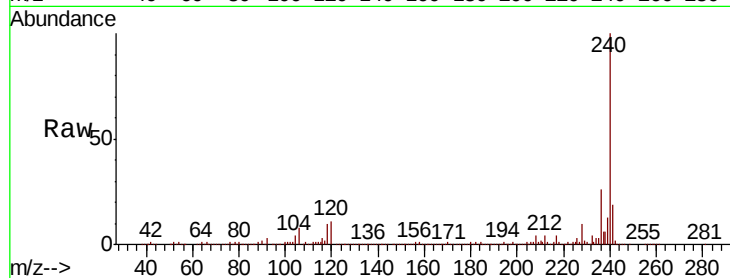
Tot Ion:240 Resp: 502718

Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

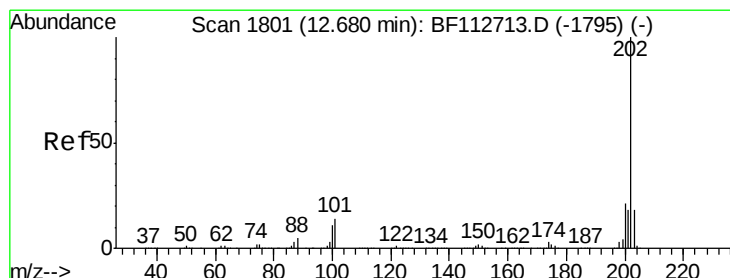
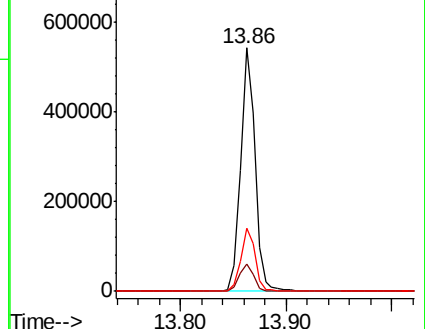
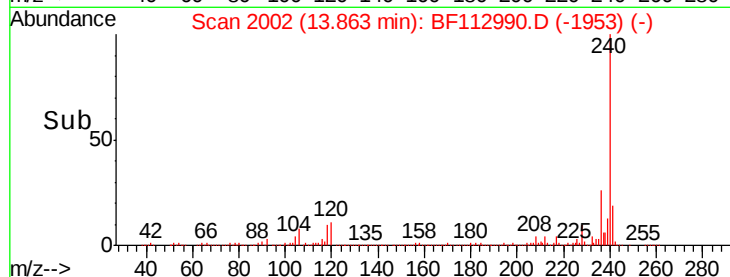
236 26.1 20.7 31.1



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

Pyrene

Concen: 7.520 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

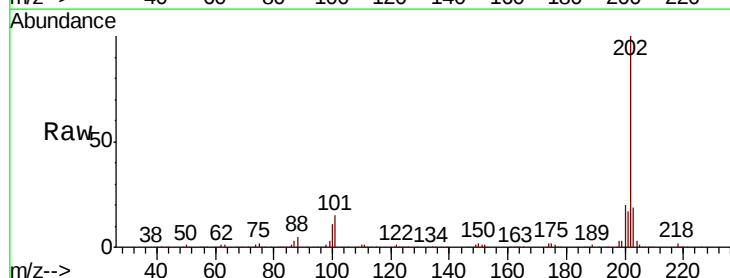
Tgt Ion:202 Resp: 318694

Ion Ratio Lower Upper

202 100

200 19.7 17.0 25.4

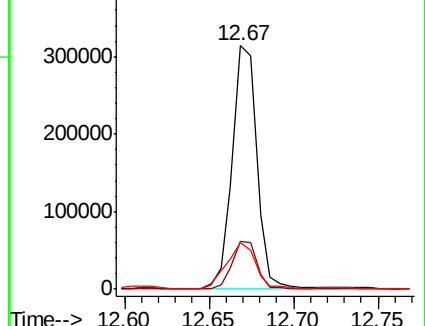
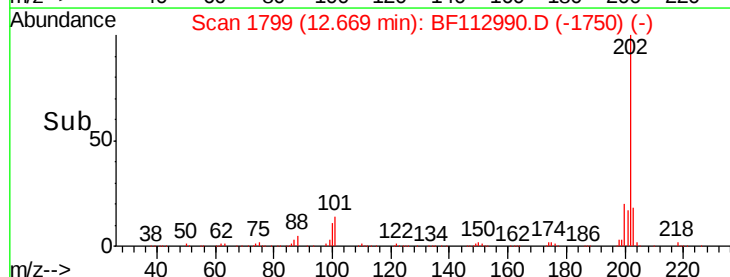
203 19.0 14.4 21.6

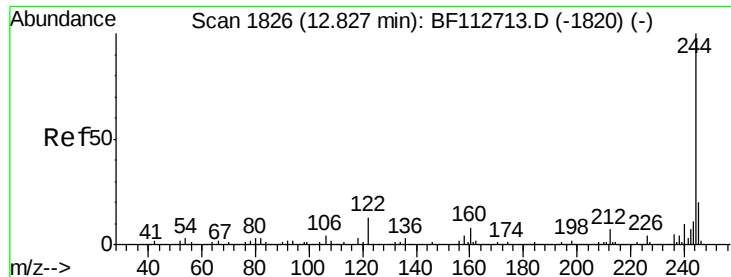


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

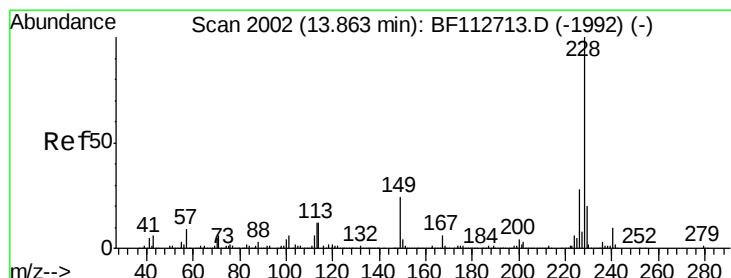
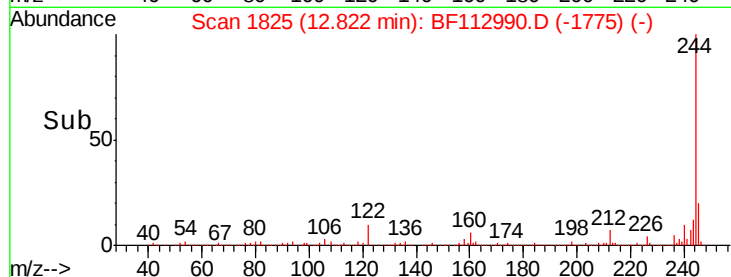
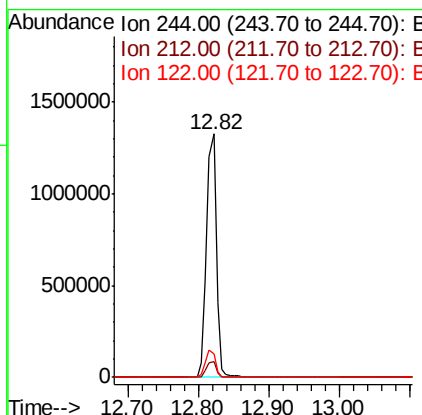
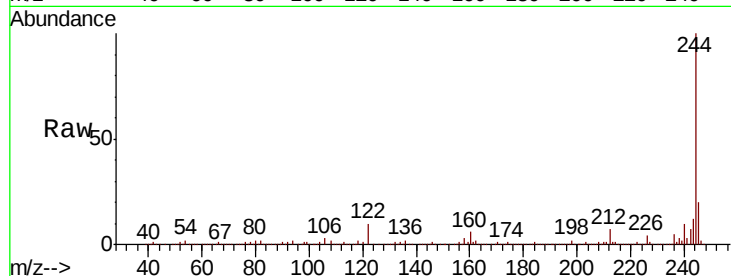




#79
 Terphenyl-d14
 Concen: 49.899 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112990.D
 Acq: 12 Mar 2019 8:01

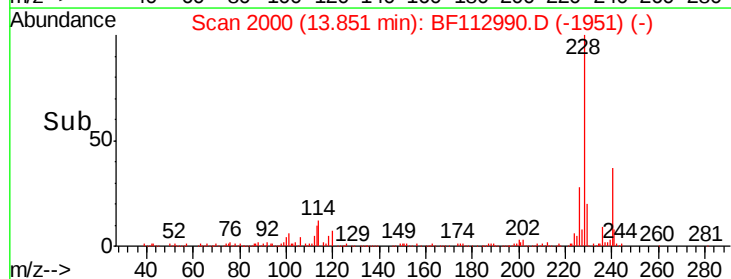
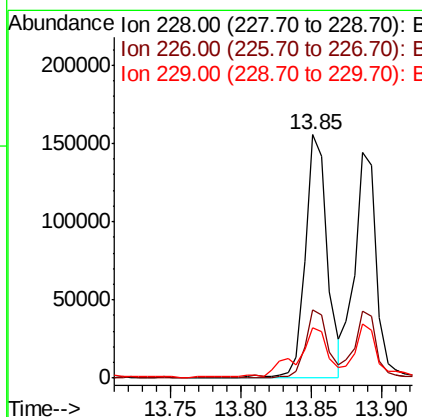
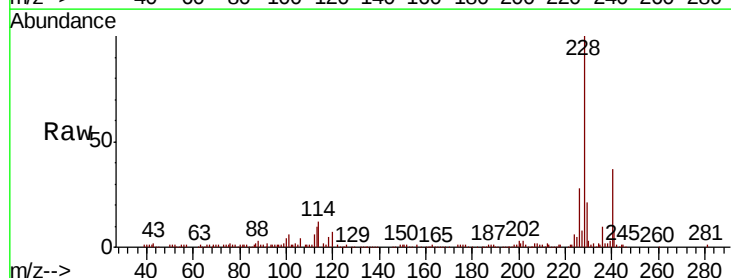
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW007-030719

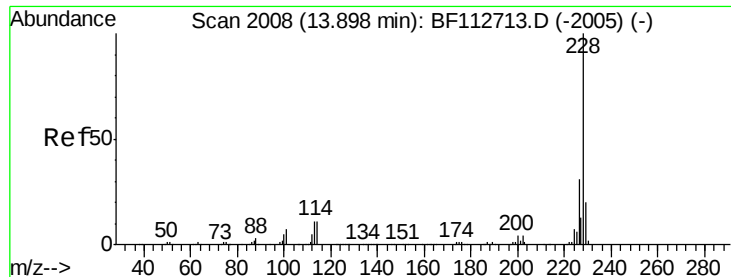
Tot Ion:244 Resp: 1294045
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 9.9 10.5 15.7#



#81
 Benzo(a)anthracene
 Concen: 4.784 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112990.D
 Acq: 12 Mar 2019 8:01

Tgt Ion:228 Resp: 166698
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.2 33.4
 229 20.7 16.0 24.0

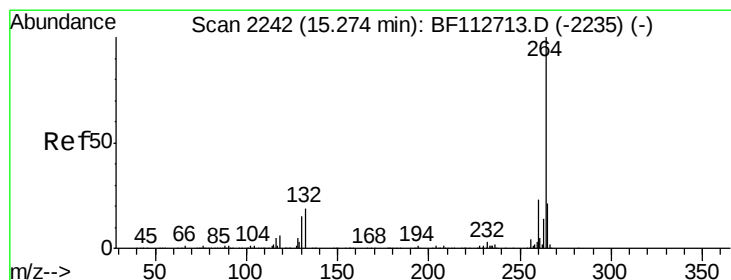
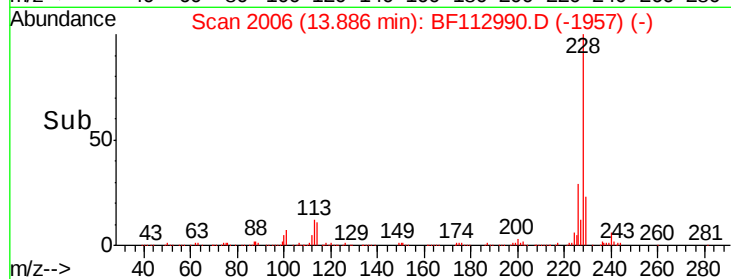
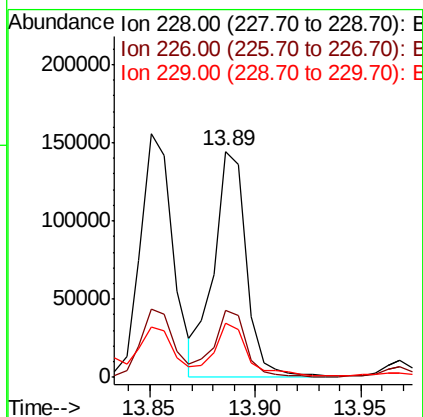
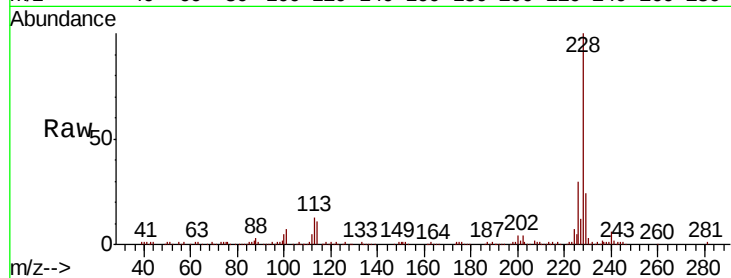




#83
Chrysene
Concen: 4.552 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

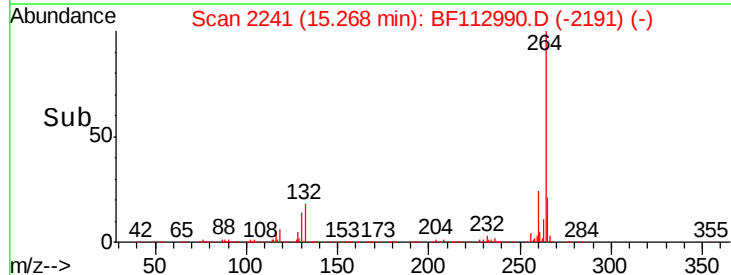
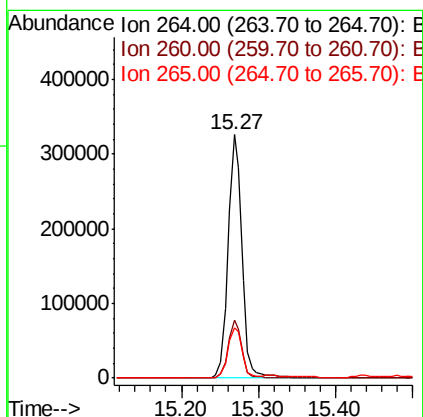
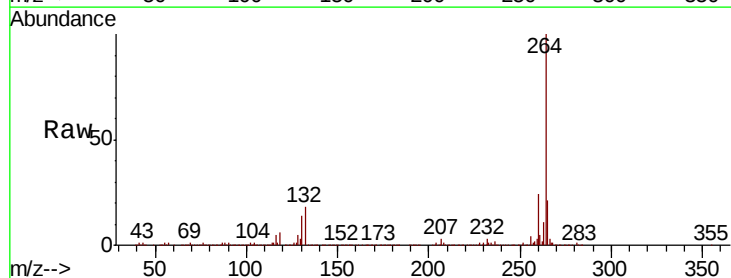
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

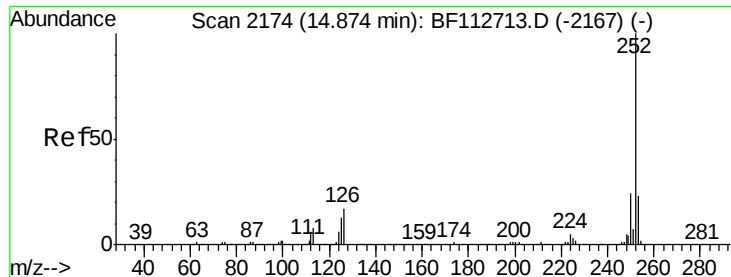
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	23.7	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	20.9	17.2	25.8

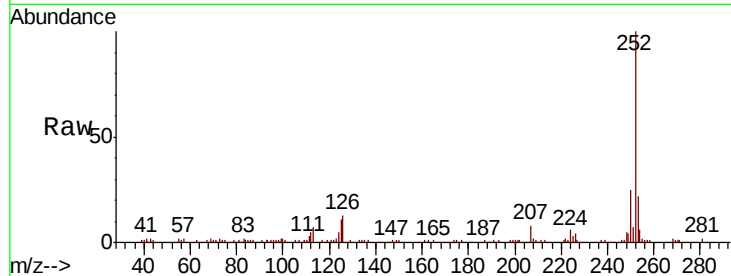




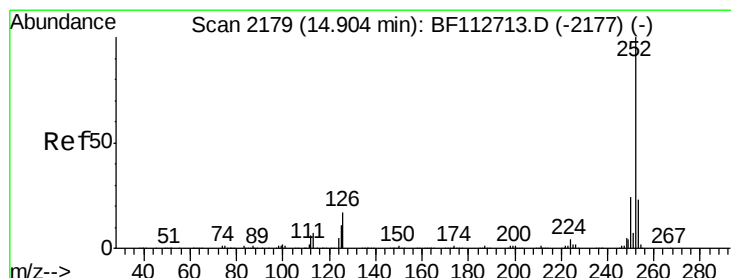
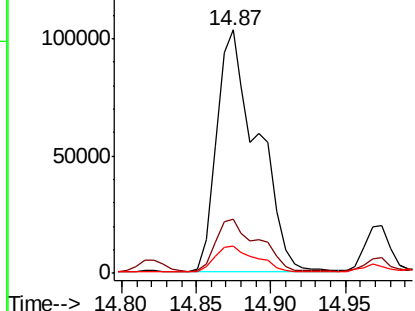
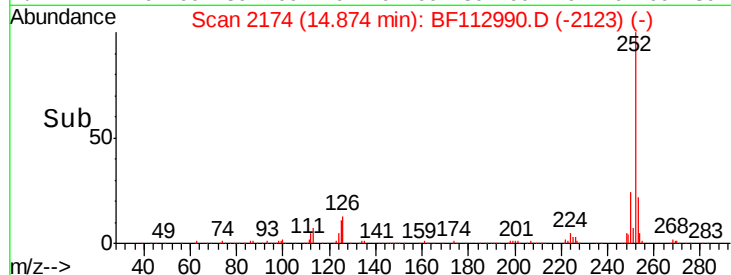
#88
Benzo(b)fluoranthene
Concen: 7.403 ng
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.4	10.2	15.2

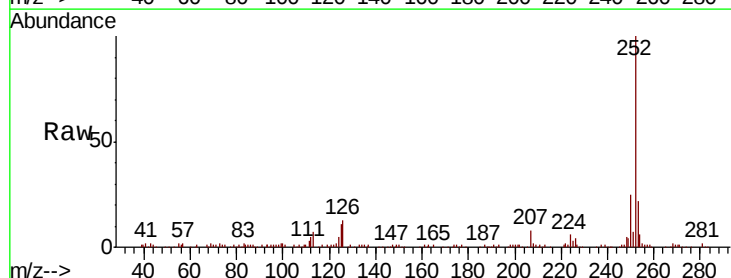


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

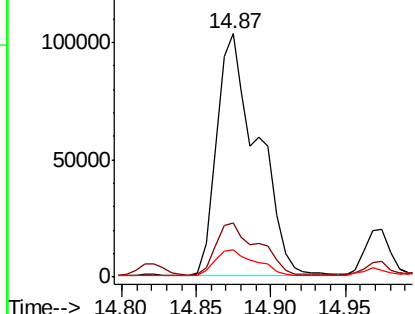
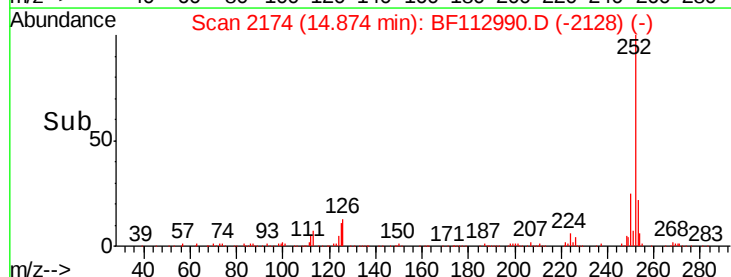


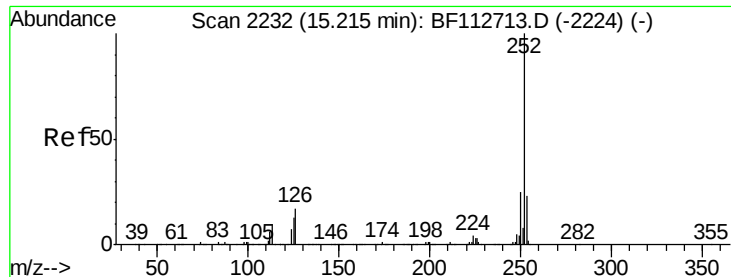
#89
Benzo(k)fluoranthene
Concen: 8.173 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	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: 4.137 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.0	10.7	16.1

