

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112989.D
 Acq On : 12 Mar 2019 7:34
 Operator : JU/SJ
 Sample : K1817-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW015-030719

Quant Time: Mar 12 09:31:37 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	139172	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	587838	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	298219	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	572651	20.00	ng	0.00
76) Chrysene-d12	13.86	240	405271	20.00	ng	-0.01
87) Perylene-d12	15.27	264	311376	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	708218	79.16	ng	-0.01
7) Phenol-d6	6.37	99	949494	84.48	ng	0.00
23) Nitrobenzene-d5	7.29	82	557605	56.76	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	311019	98.24	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	992462	49.32	ng	-0.01
79) Terphenyl-d14	12.82	244	891160	42.63	ng	-0.01

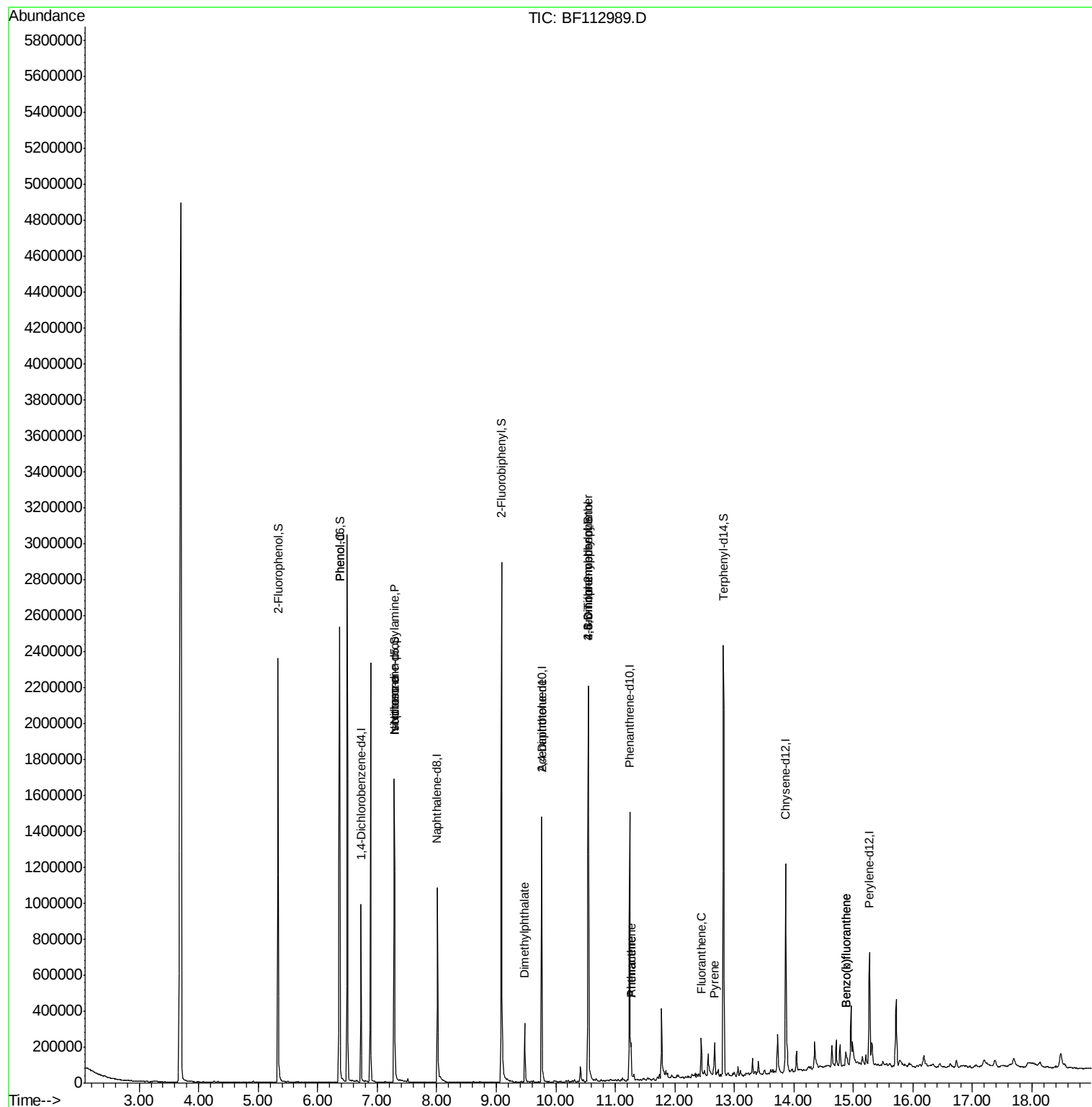
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	43713	3.333	ng	93
19) n-Nitroso-di-n-propylamine	7.29	70	71767	10.083	ng	# 75
25) Isophorone	7.29	82	557596	26.346	ng	# 66
50) Dimethylphthalate	9.48	163	149279	6.789	ng	99
57) 2,4-Dinitrotoluene	9.76	165	38111	6.696	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.55	198	490	4.801	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17080	2.832	ng	# 1
71) Phenanthrene	11.26	178	62241	2.185	ng	96
72) Anthracene	11.26	178	62241	2.087	ng	97
75) Fluoranthene	12.44	202	84856	2.780	ng	98
78) Pyrene	12.67	202	75851	2.220	ng	98
88) Benzo(b)fluoranthene	14.87	252	57001	2.830	ng	97
89) Benzo(k)fluoranthene	14.87	252	57001	3.124	ng	97

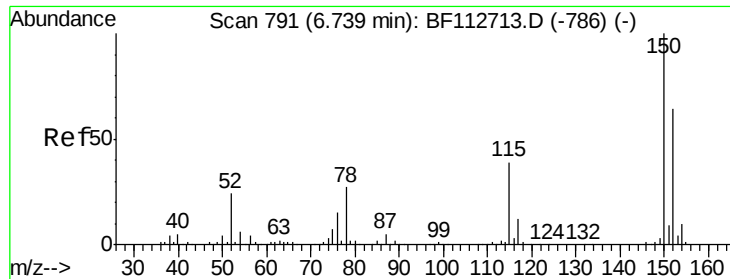
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW015-030719

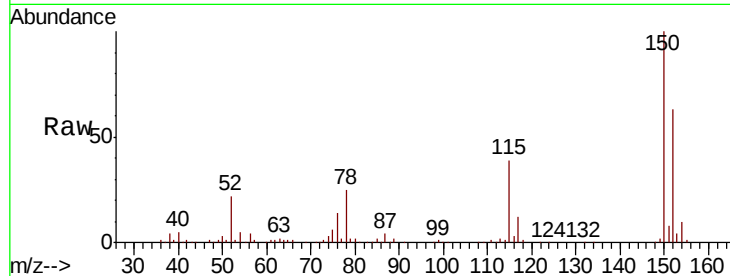
Tot Ion:152 Resp: 139172

Ion Ratio Lower Upper

152 100

150 160.0 124.2 186.2

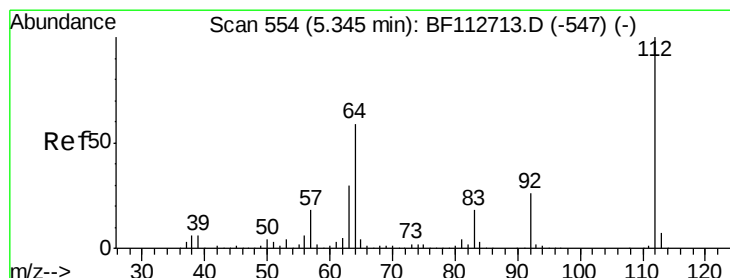
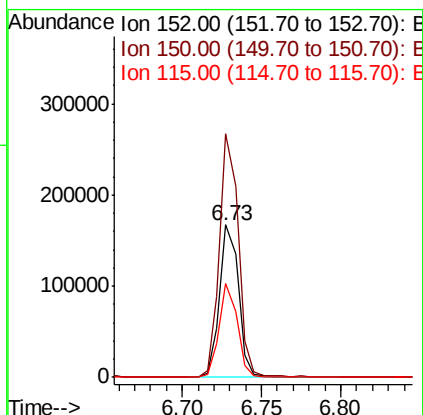
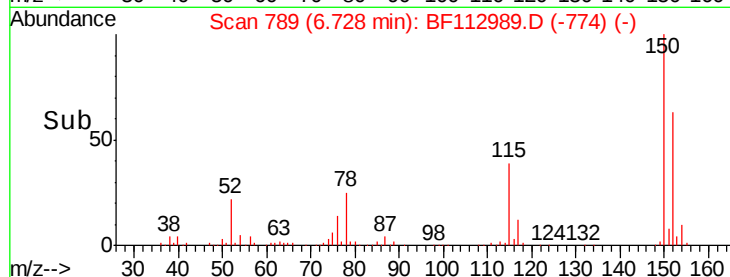
115 61.8 48.2 72.4



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: 79.158 ng

RT: 5.33 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

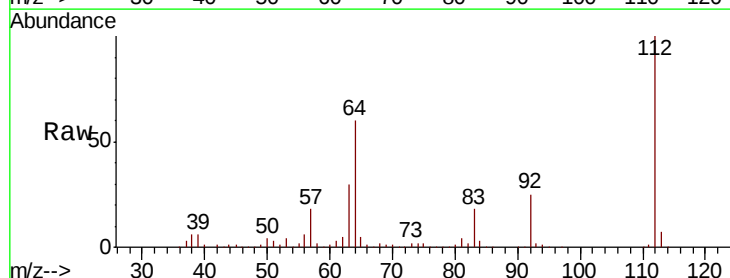
Tgt Ion:112 Resp: 708218

Ion Ratio Lower Upper

112 100

64 60.4 47.6 71.4

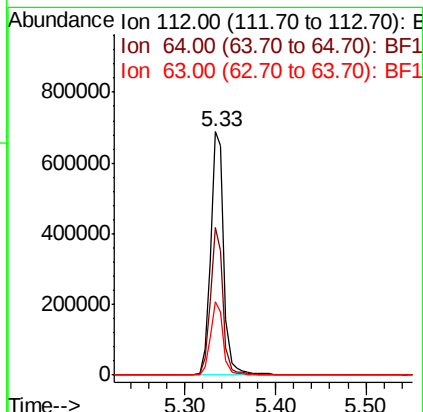
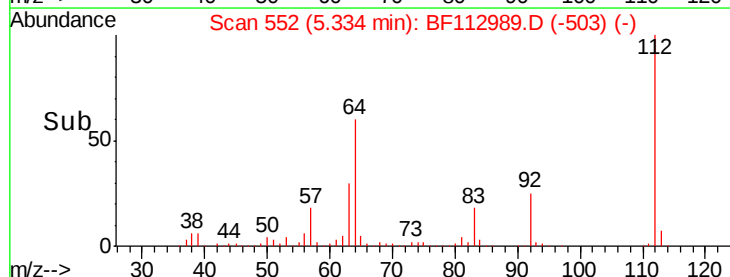
63 30.3 24.4 36.6



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: 84.484 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW015-030719

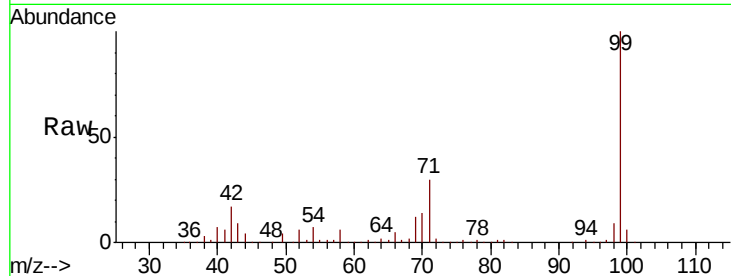
Tot Ion: 99 Resp: 949494

Ion Ratio Lower Upper

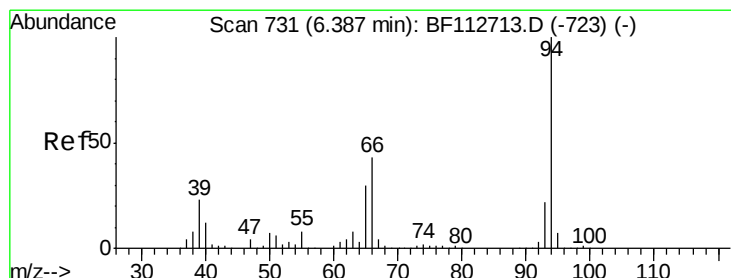
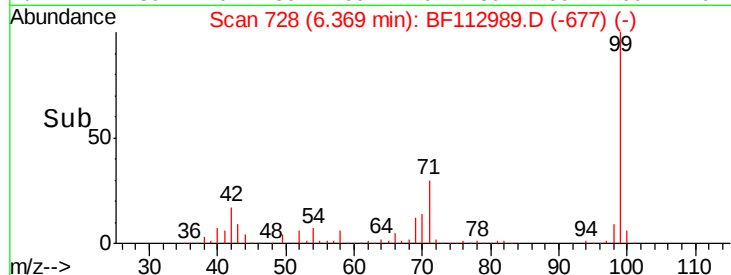
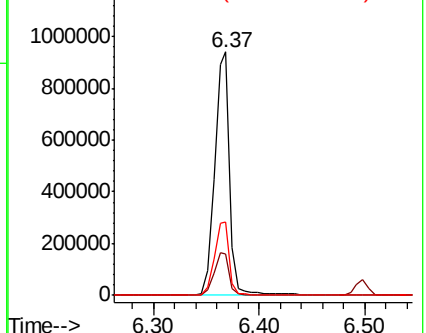
99 100

42 17.0 16.3 24.5

71 30.3 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: 3.333 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

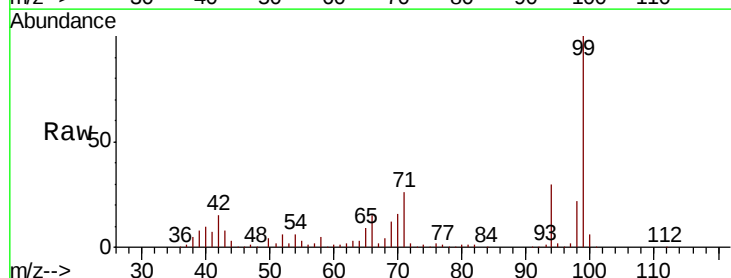
Tgt Ion: 94 Resp: 43713

Ion Ratio Lower Upper

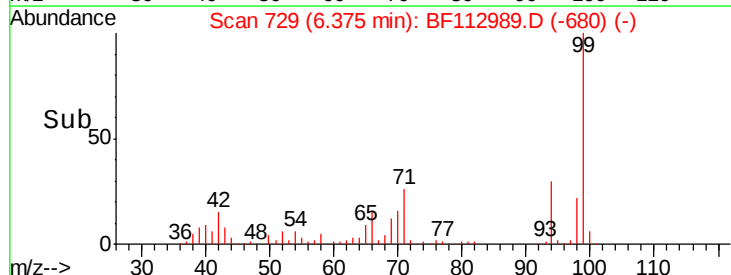
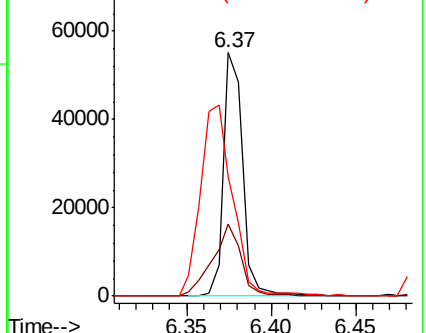
94 100

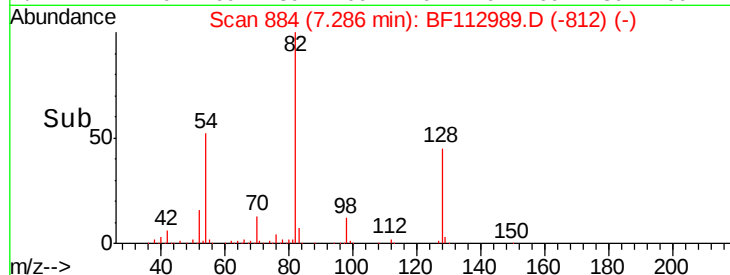
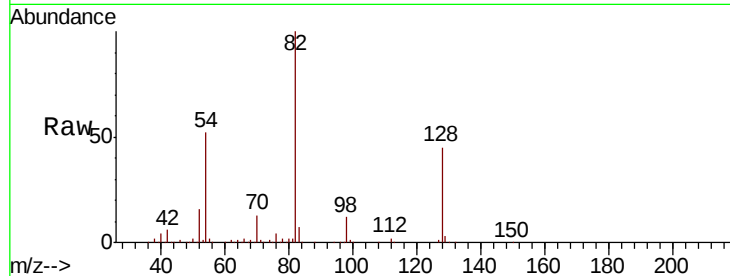
65 29.9 10.5 50.5

66 49.3 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

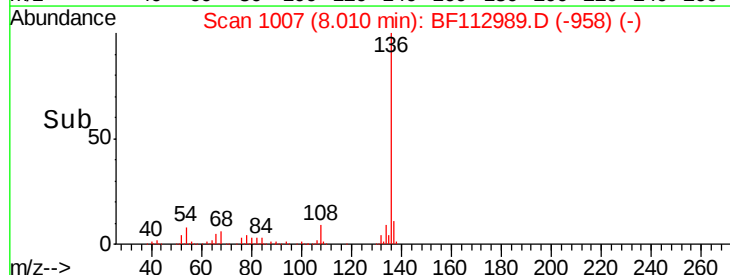
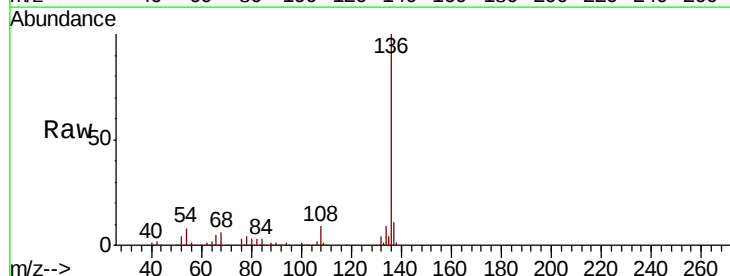
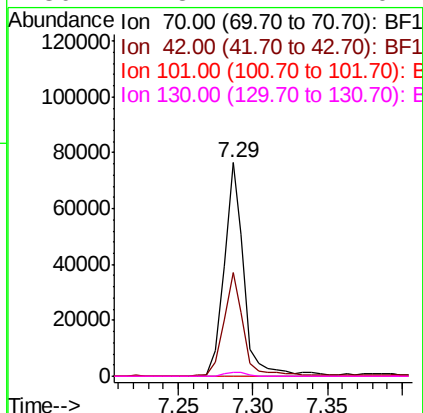




#19
n-Nitroso-di-n-propylamine
Concen: 10.083 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

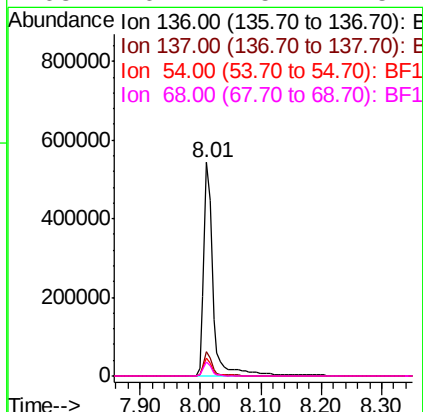
Instrument :
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ClientSampleId :
EXT-027-SW015-030719

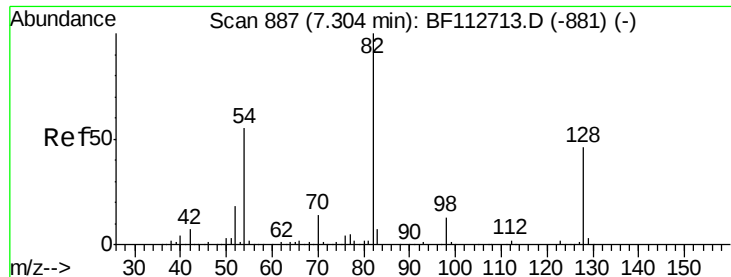
Tot Ion:	70	Resp:	71767
Ion	Ratio	Lower	Upper
70	100		
42	48.3	49.9	74.9#
101	0.0	7.4	11.2#
130	1.8	17.4	26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion:	136	Resp:	587838
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.5	7.3	10.9
68	6.4	5.4	8.2

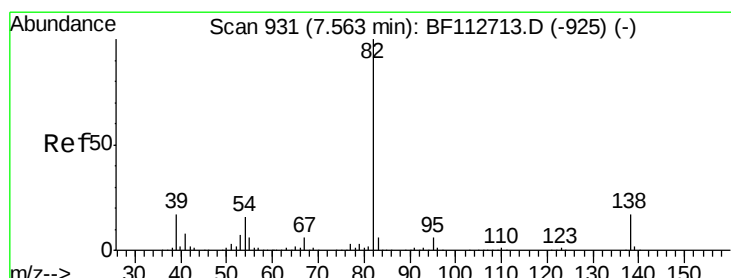
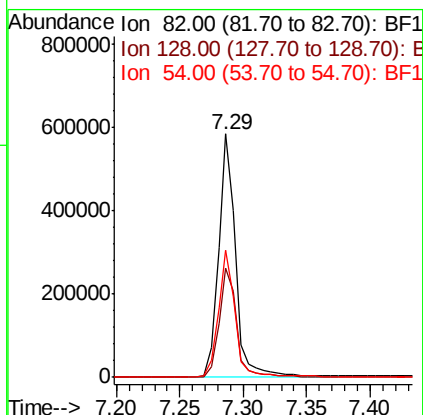
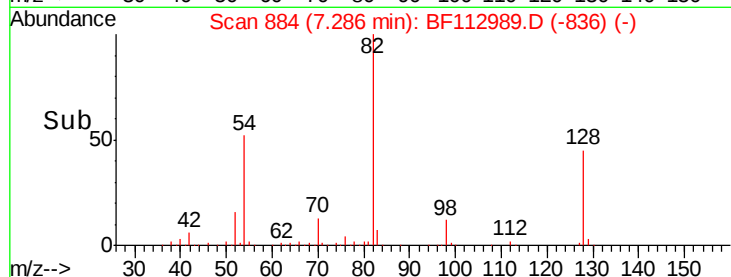
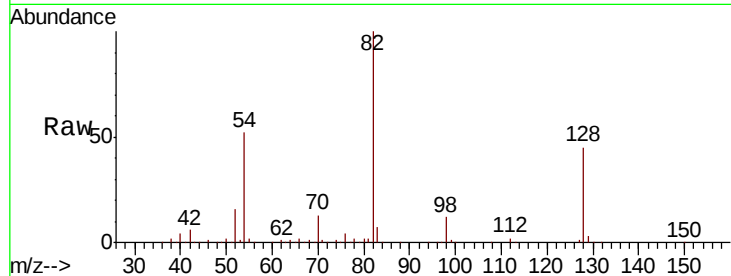




#23
Nitrobenzene-d5
Concen: 56.760 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

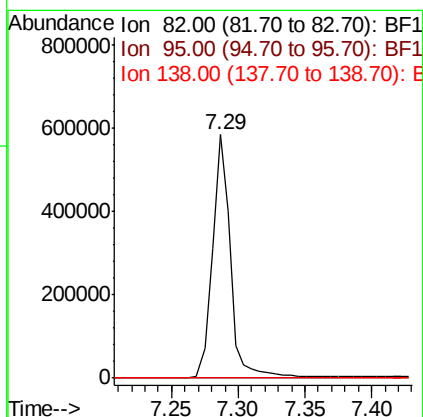
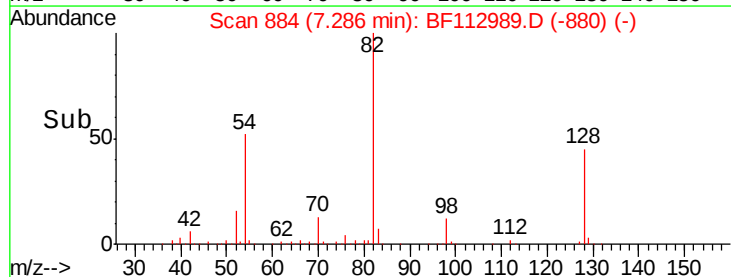
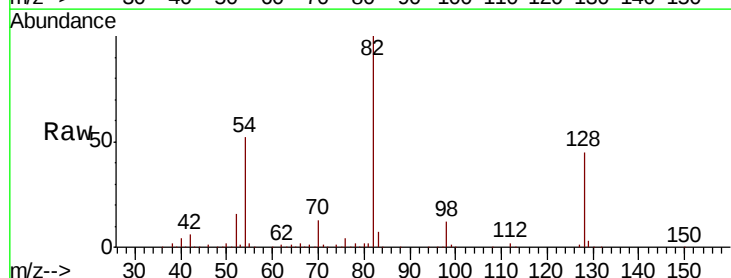
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW015-030719

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.3	54.5
54	52.2	43.7	65.5



#25
Isophorone
Concen: 26.346 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.28 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

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

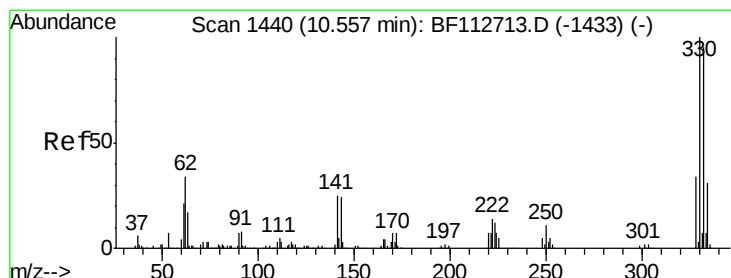
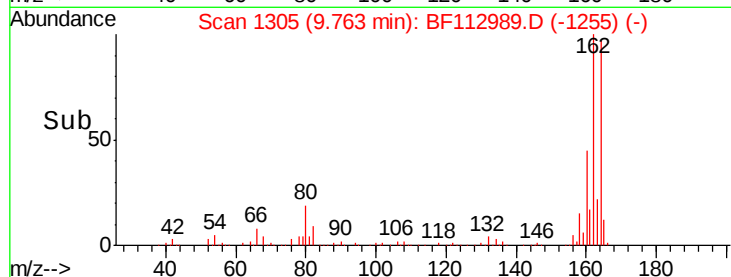
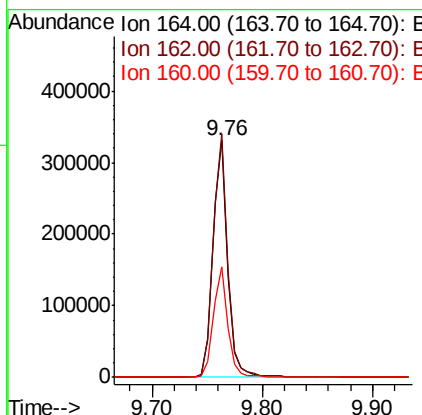
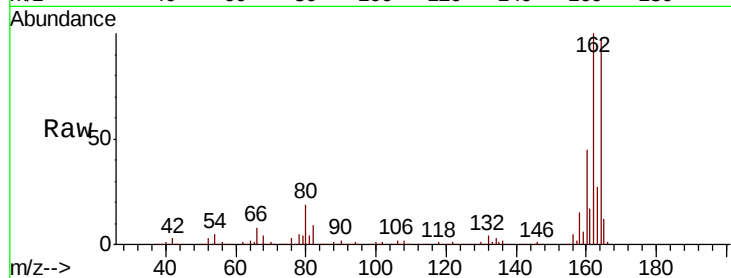




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

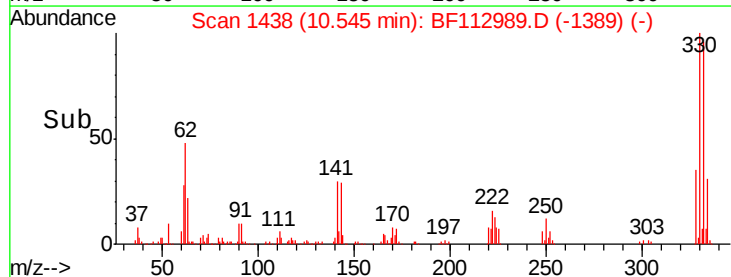
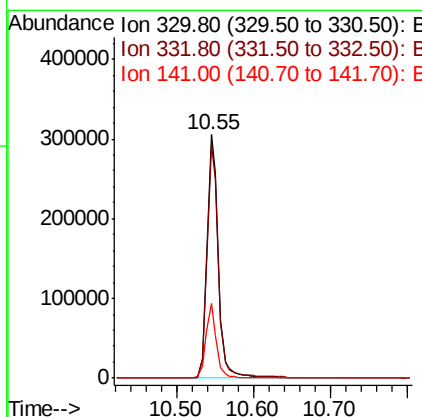
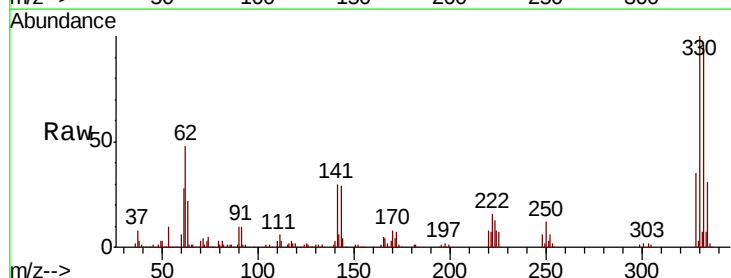
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW015-030719

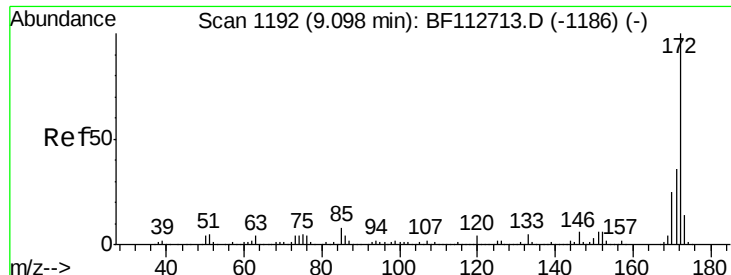
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.9	80.6	120.8
160	46.8	36.0	54.0



#42
 2,4,6-Tribromophenol
 Concen: 98.238 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.2	114.4
141	28.5	27.0	40.6

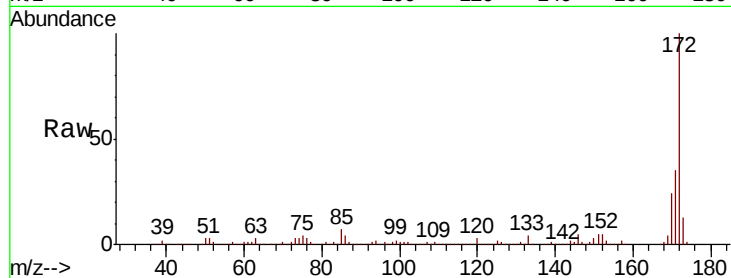




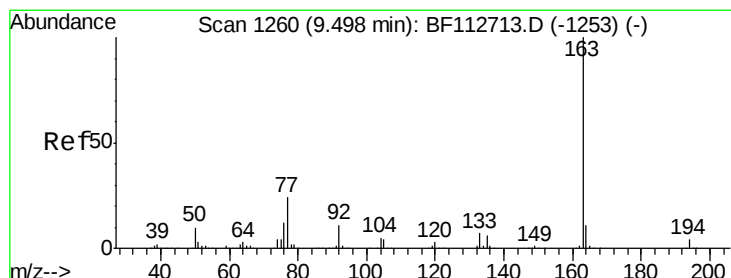
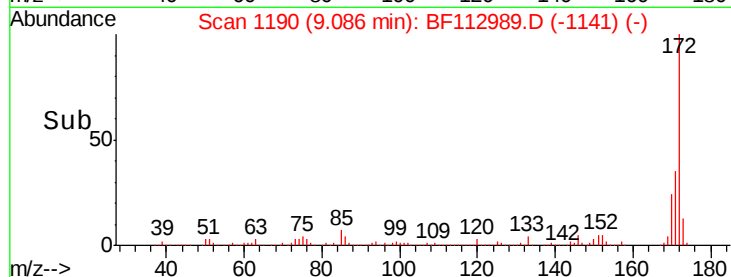
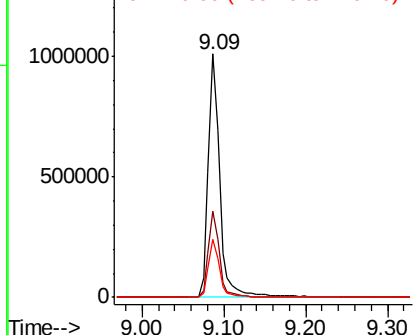
#45
2-Fluorobiphenyl
Concen: 49.318 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW015-030719

Tot Ion:172 Resp: 992462
Ion Ratio Lower Upper
172 100
171 35.3 29.0 43.4
170 23.7 20.0 30.0

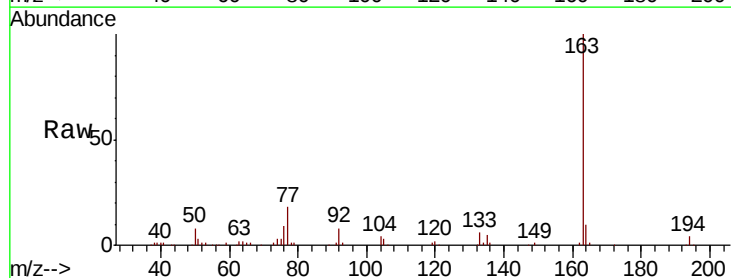


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

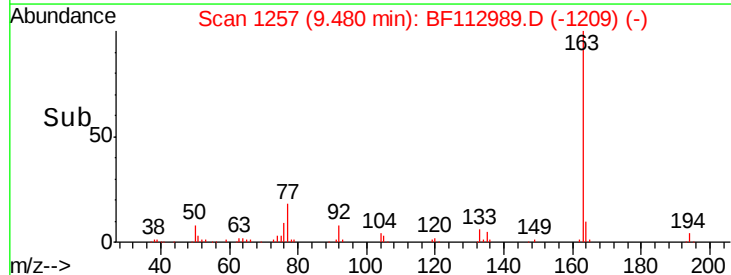
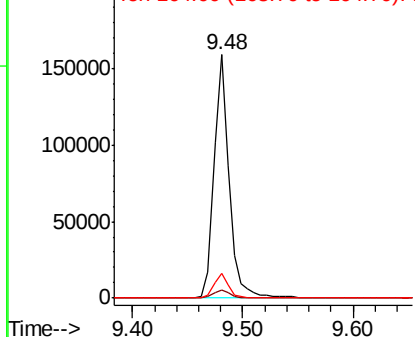


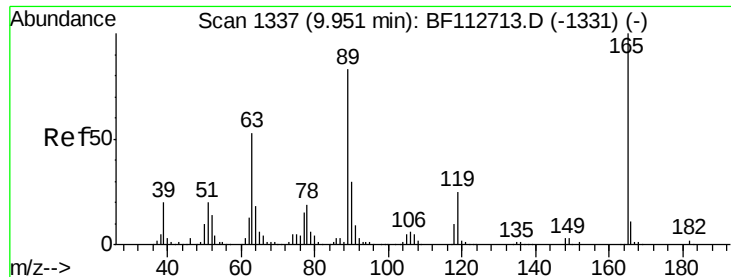
#50
Dimethylphthalate
Concen: 6.789 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion:163 Resp: 149279
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 10.1 8.4 12.6



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

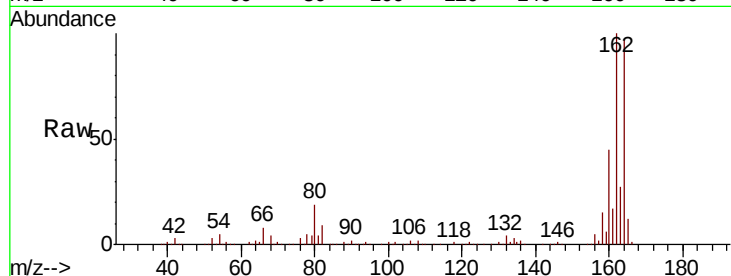




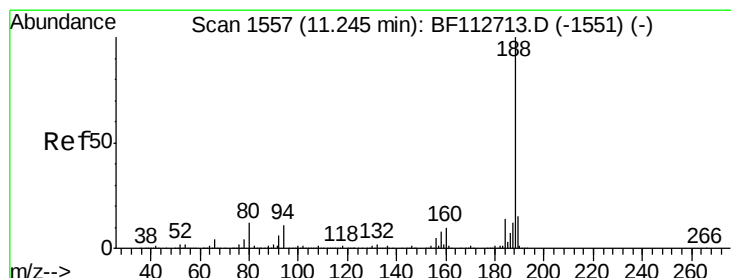
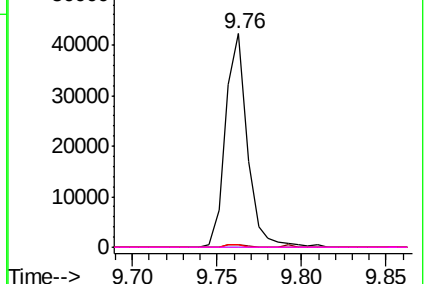
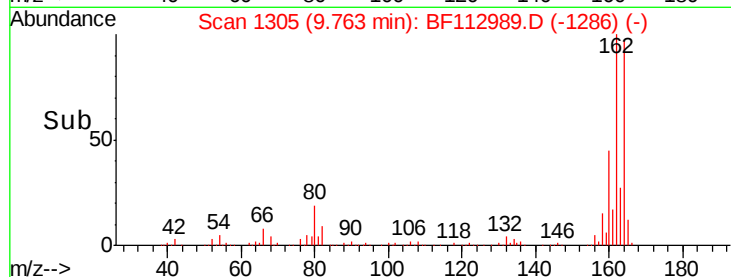
#57
 2,4-Dinitrotoluene
 Concen: 6.696 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW015-030719

Tot Ion:165	Resp:	38111
Ion Ratio	Lower	Upper
165	100	
63	1.0	42.2 63.2#
89	1.3	66.2 99.4#
182	0.0	1.8 2.6#

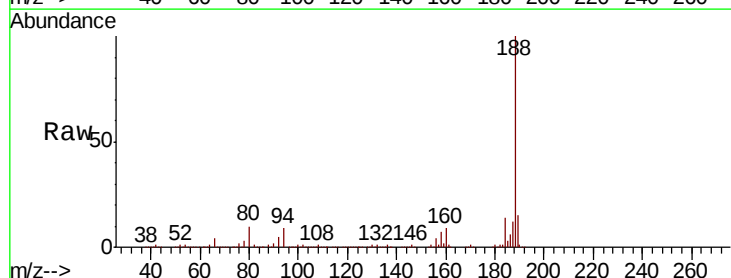


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

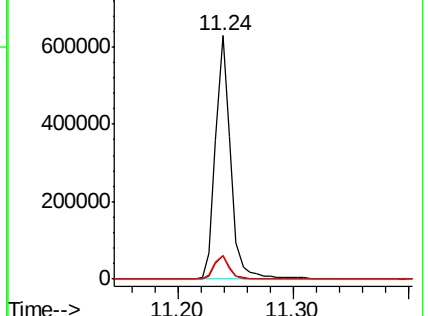
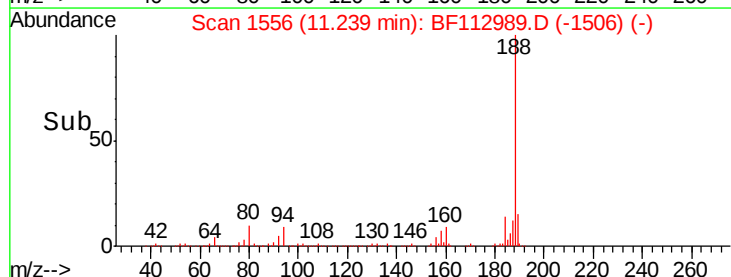


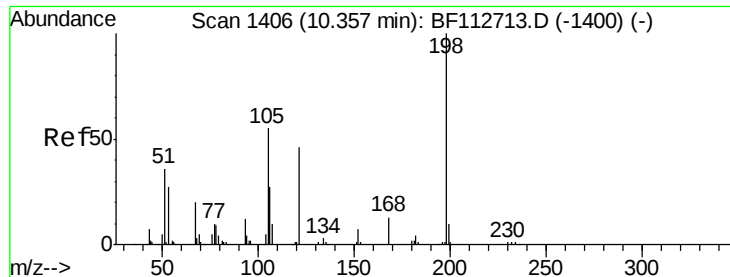
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion:188	Resp:	572651
Ion Ratio	Lower	Upper
188	100	
94	9.4	9.0 13.4
80	9.5	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

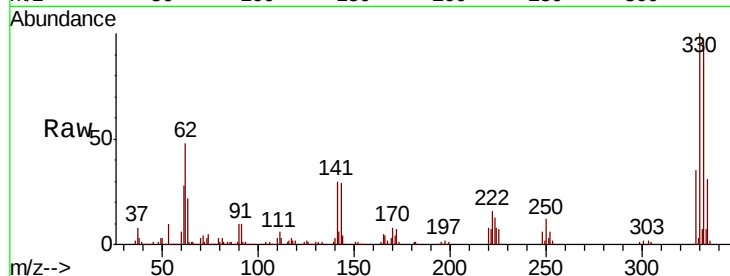




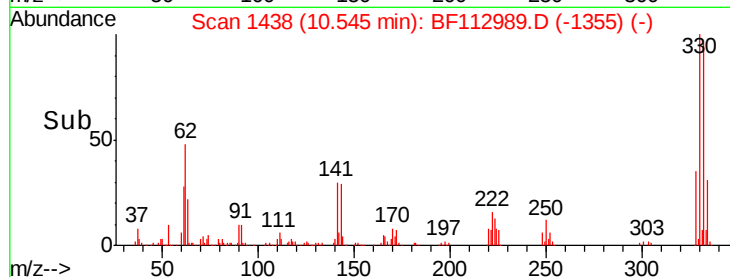
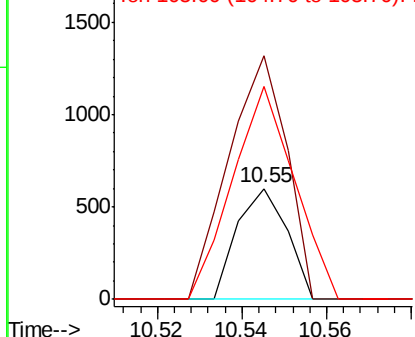
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.801 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW015-030719

Tot Ion:198 Resp: 490
 Ion Ratio Lower Upper
 198 100
 51 220.0 43.8 83.8#
 105 192.8 36.5 76.5#

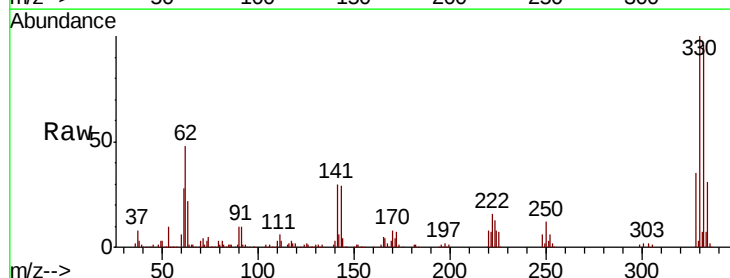


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

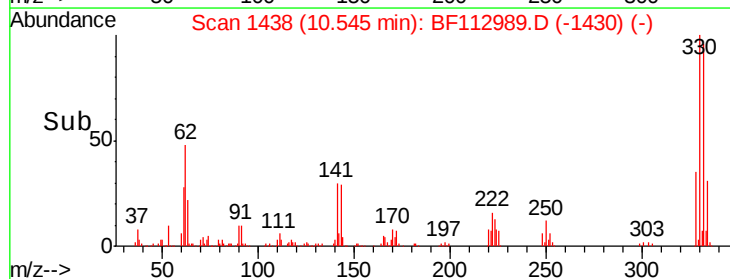
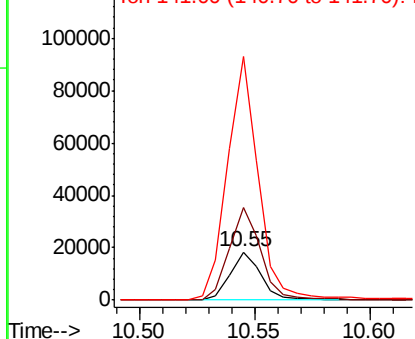


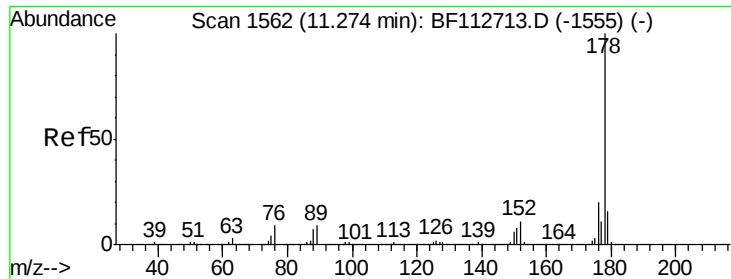
#67
 4-Bromophenyl-phenylether
 Concen: 2.832 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112989.D
 Acq: 12 Mar 2019 7:34

Tgt Ion:248 Resp: 17080
 Ion Ratio Lower Upper
 248 100
 250 194.4 77.5 116.3#
 141 508.6 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

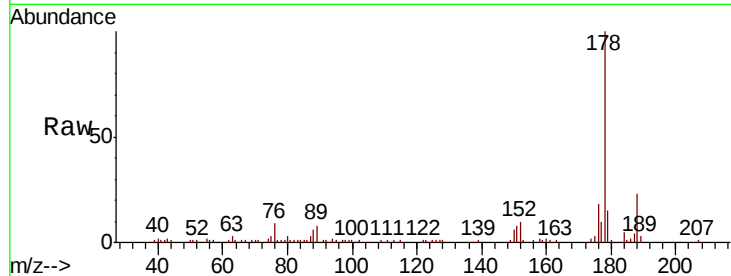




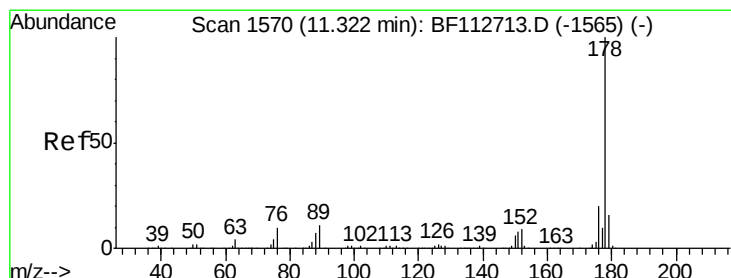
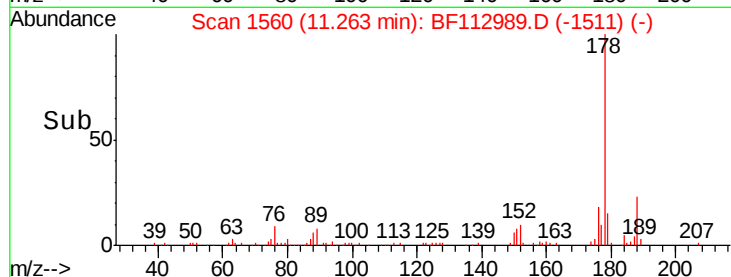
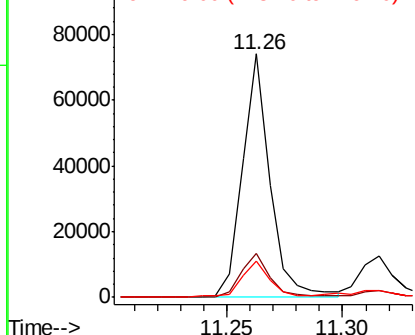
#71
Phenanthrene
Concen: 2.185 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW015-030719

Tot Ion:178 Resp: 62241
Ion Ratio Lower Upper
178 100
176 18.0 16.3 24.5
179 15.1 12.7 19.1

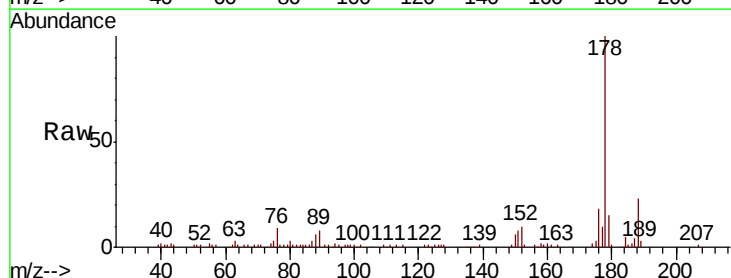


Abundance Ion 178.00 (177.70 to 178.70): E
100000 Ion 176.00 (175.70 to 176.70): E
80000 Ion 179.00 (178.70 to 179.70): E
60000
40000
20000
0

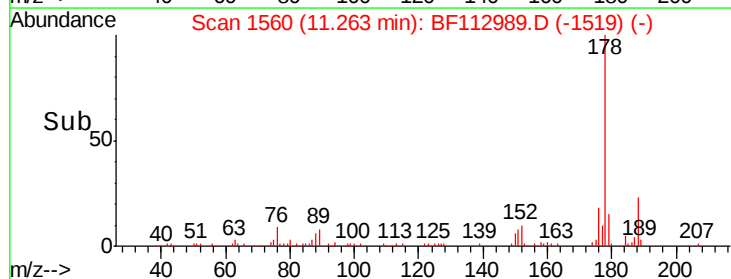
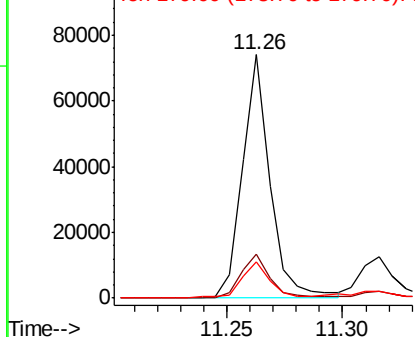


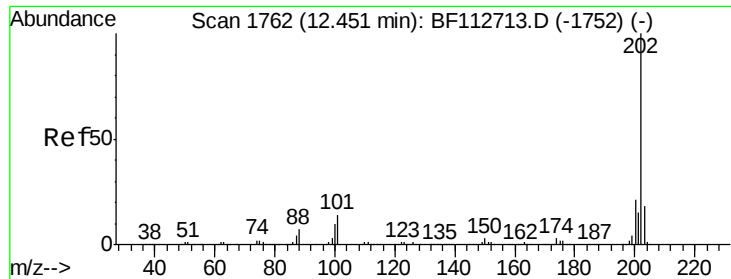
#72
Anthracene
Concen: 2.087 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.06 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion:178 Resp: 62241
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.6
179 15.1 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
100000 Ion 176.00 (175.70 to 176.70): E
80000 Ion 179.00 (178.70 to 179.70): E
60000
40000
20000
0





#75

Fluoranthene

Concen: 2.780 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW015-030719

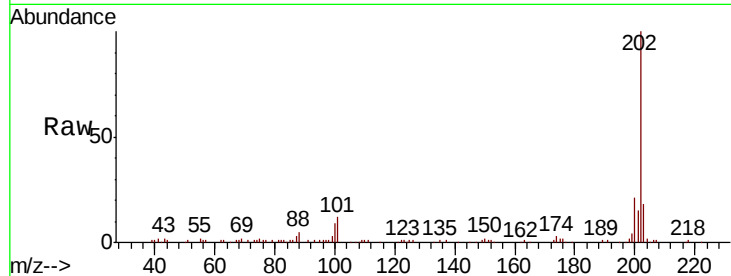
Tot Ion:202 Resp: 84856

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.8

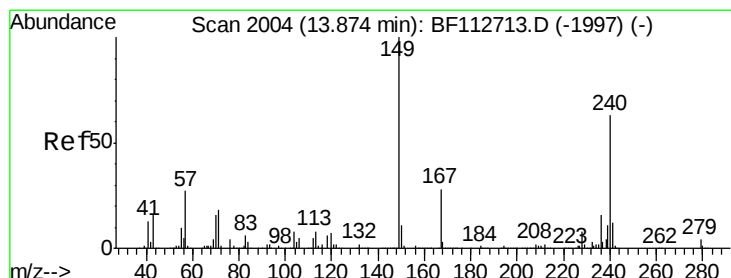
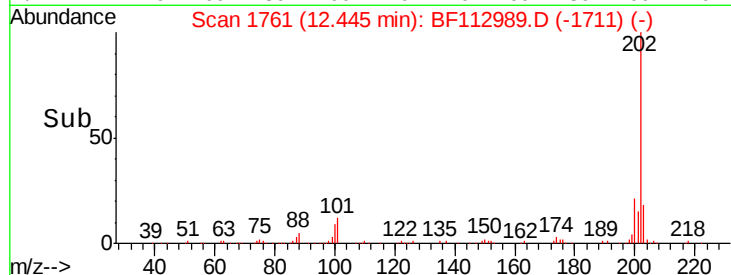
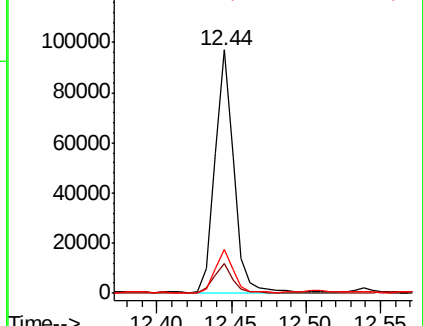
203 17.9 0.0 38.4



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# 2002

Delta R.T. -0.01 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

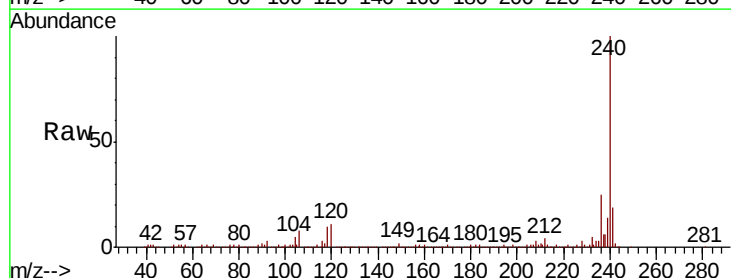
Tgt Ion:240 Resp: 405271

Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

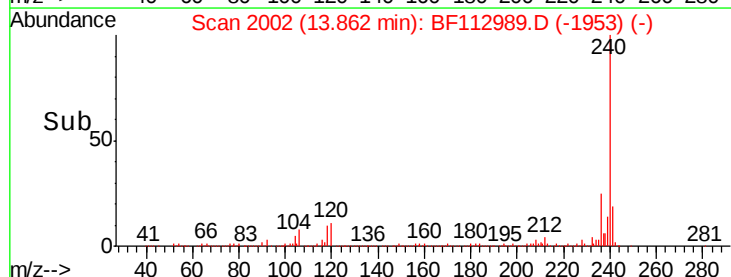
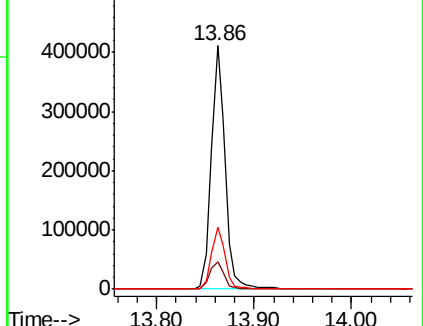
236 25.3 20.7 31.1

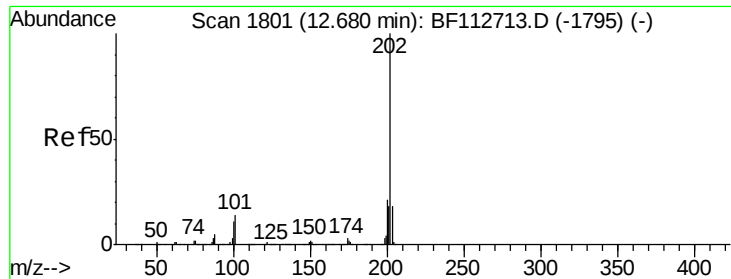


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

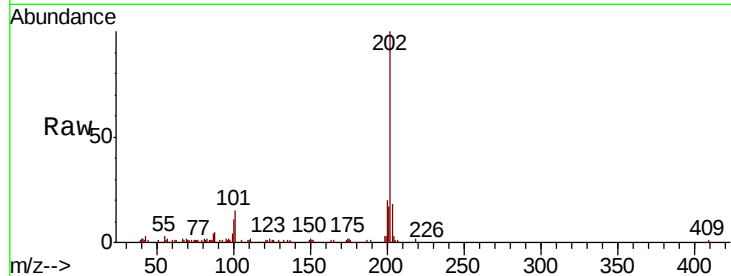




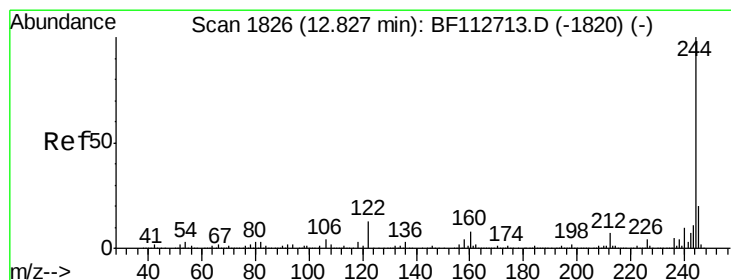
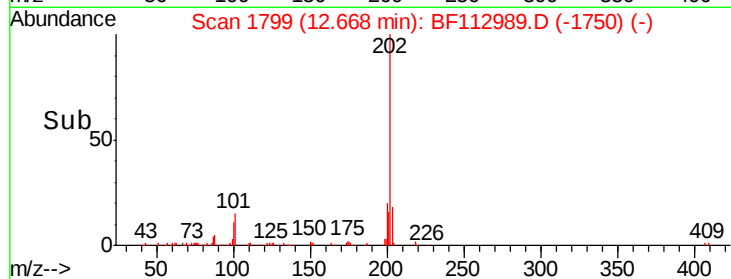
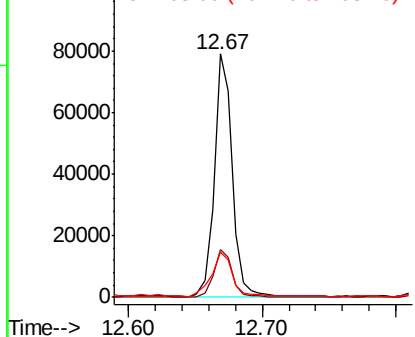
#78
Pvrene
Concen: 2.220 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW015-030719

Tot Ion:202 Resp: 75851
Ion Ratio Lower Upper
202 100
200 19.5 17.0 25.4
203 18.4 14.4 21.6

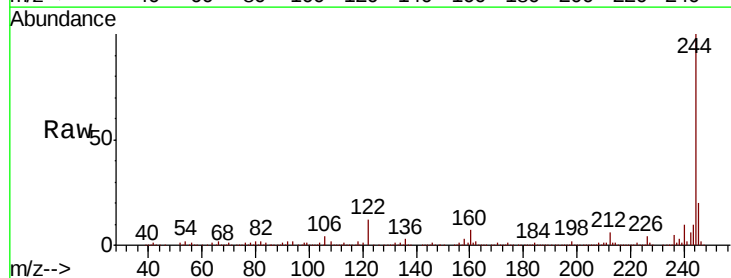


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

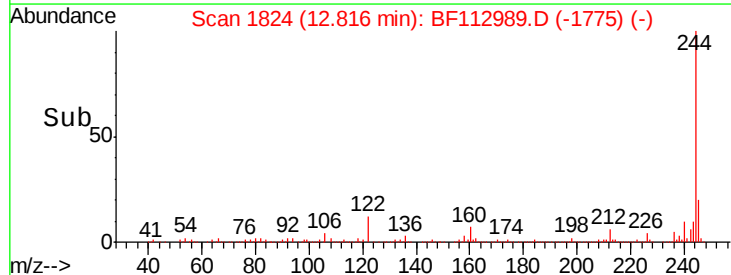
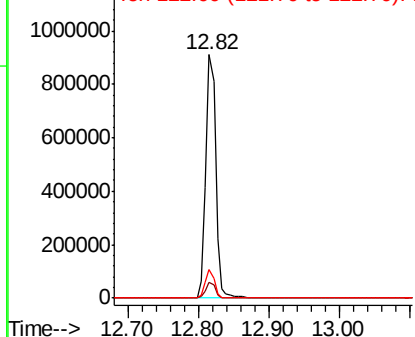


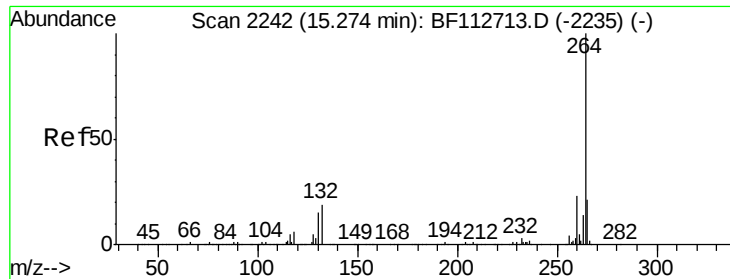
#79
Terphenyl-d14
Concen: 42.626 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion:244 Resp: 891160
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 11.8 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

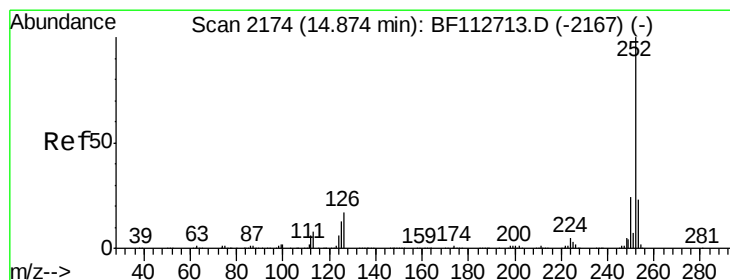
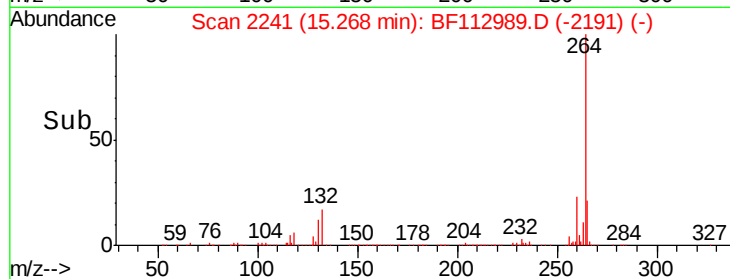
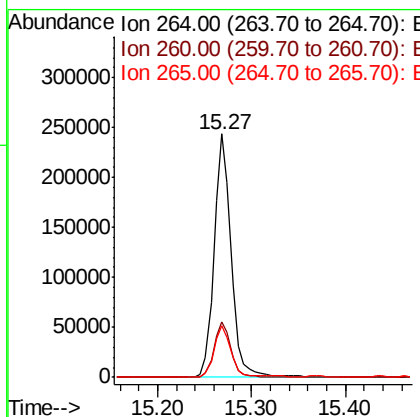
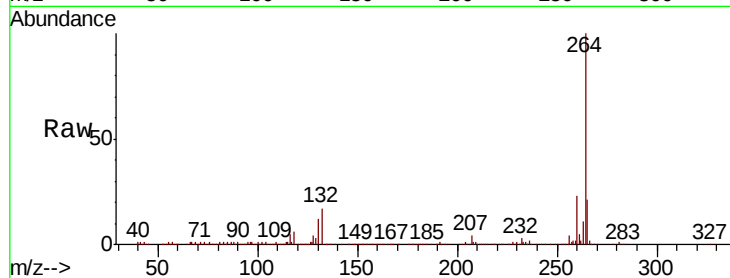




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

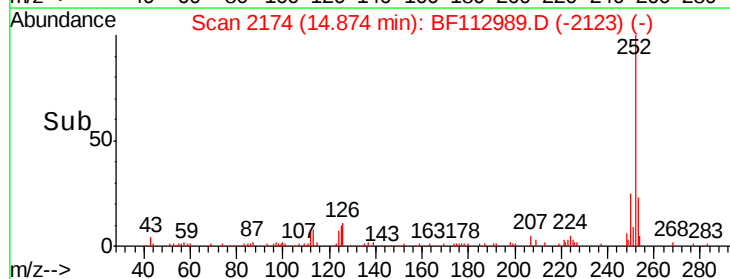
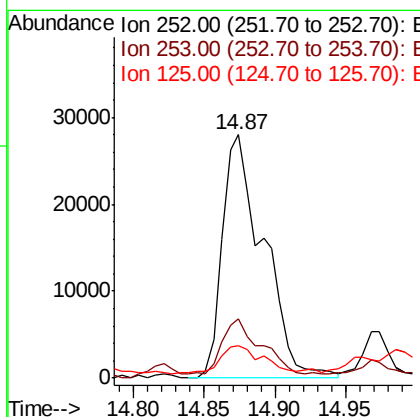
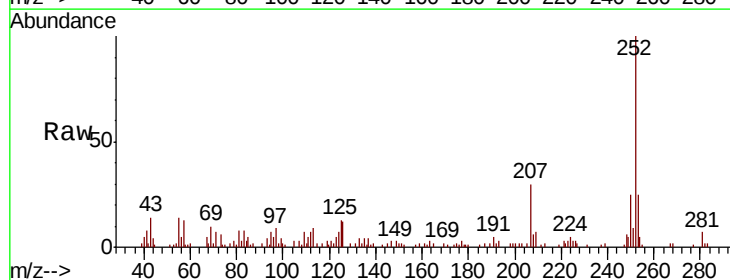
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW015-030719

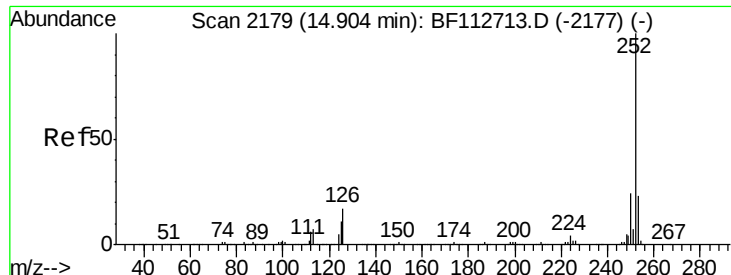
Tot Ion:264 Resp: 311376
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 21.4 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 2.830 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112989.D
Acq: 12 Mar 2019 7:34

Tgt Ion:252 Resp: 57001
Ion Ratio Lower Upper
252 100
253 24.6 18.0 27.0
125 13.3 10.2 15.2





#89

Benzo(k)fluoranthene

Concen: 3.124 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF112989.D

Acq: 12 Mar 2019 7:34

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW015-030719

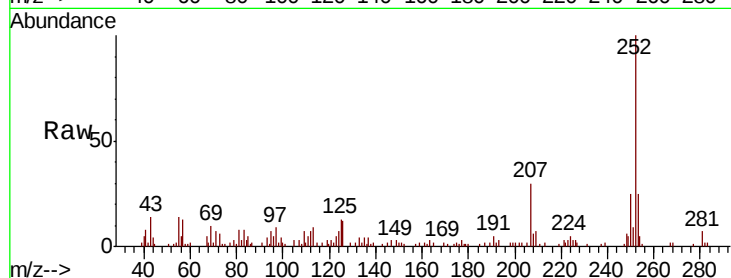
Tot Ion:252 Resp: 57001

Ion Ratio Lower Upper

252 100

253 24.6 18.2 27.2

125 13.3 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

