

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
 Data File : BF112987.D
 Acq On : 12 Mar 2019 6:39
 Operator : JU/SJ
 Sample : K1817-09
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

Quant Time: Mar 12 07:25:21 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	167817	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	662180	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	349152	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	728644	20.00	ng	0.00
76) Chrysene-d12	13.86	240	555414	20.00	ng	-0.01
87) Perylene-d12	15.27	264	445107	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	981061	90.94	ng	0.00
7) Phenol-d6	6.37	99	1290501	95.23	ng	0.00
23) Nitrobenzene-d5	7.29	82	787474	71.16	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	461206	124.43	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1549862	70.26	ng	-0.01
79) Terphenyl-d14	12.82	244	1641277	57.28	ng	0.00

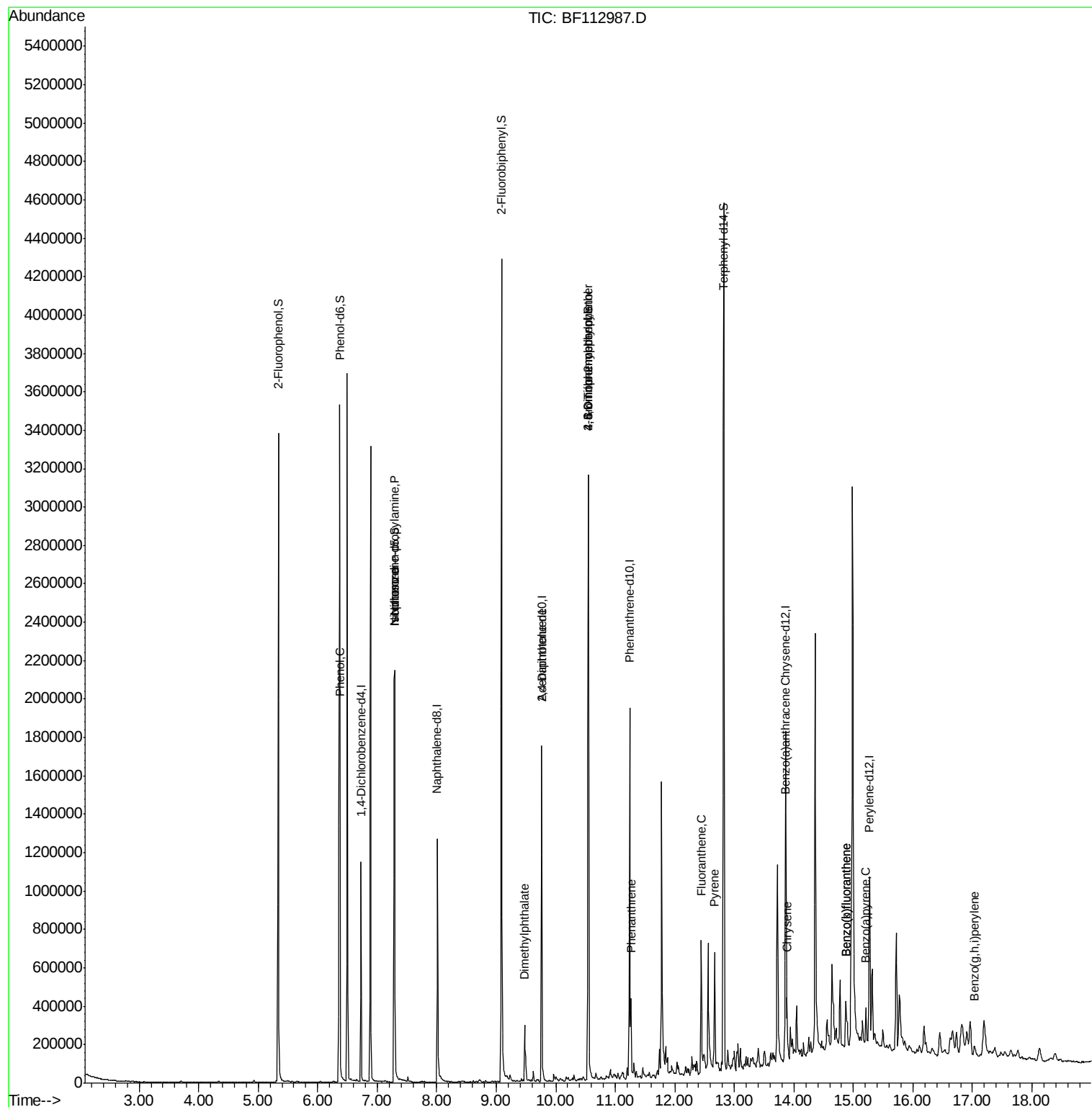
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	32064	2.028	ng	89
19) n-Nitroso-di-n-propylamine	7.29	70	102920	11.991	ng	# 74
25) Isophorone	7.29	82	784622	32.911	ng	# 66
50) Dimethylphthalate	9.48	163	126395	4.910	ng	98
57) 2,4-Dinitrotoluene	9.76	165	44601	6.693	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	810	4.857	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	26130	3.405	ng	# 1
71) Phenanthrene	11.26	178	146394	4.038	ng	96
75) Fluoranthene	12.44	202	263435	6.782	ng	96
78) Pyrene	12.67	202	253106	5.406	ng	98
81) Benzo(a)anthracene	13.85	228	127812	3.320	ng	94
83) Chrysene	13.89	228	125749	3.335	ng	97
88) Benzo(b)fluoranthene	14.87	252	179637	6.239	ng	98
89) Benzo(k)fluoranthene	14.87	252	179637	6.888	ng	98
90) Benzo(a)pyrene	15.21	252	88060	3.458	ng	99
92) Benzo(g,h,i)perylene	17.03	276	44586	2.043	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031119\
Data File : BF112987.D
Acq On : 12 Mar 2019 6:39
Operator : JU/SJ
Sample : K1817-09
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Quant Time: Mar 12 07:25:21 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



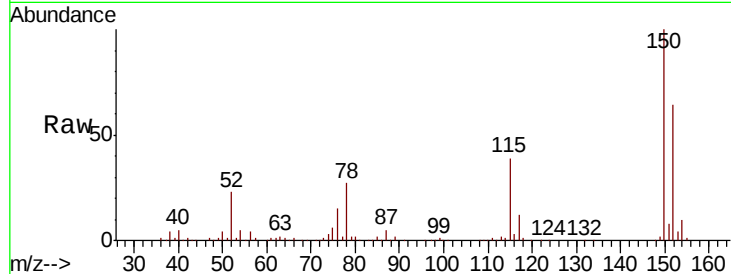


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	61.1	48.2	72.4

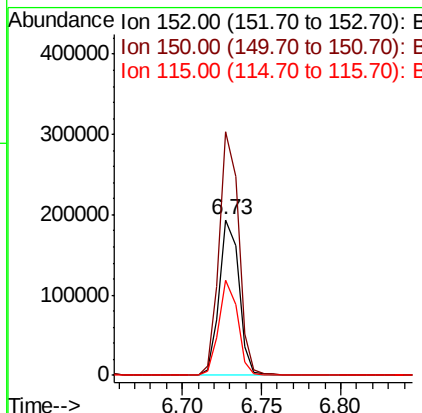
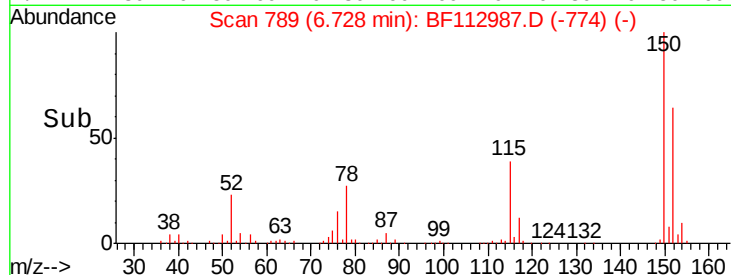


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

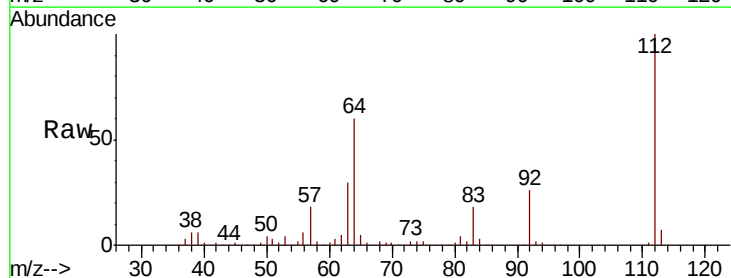
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.937 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	47.6	71.4
63	30.1	24.4	36.6

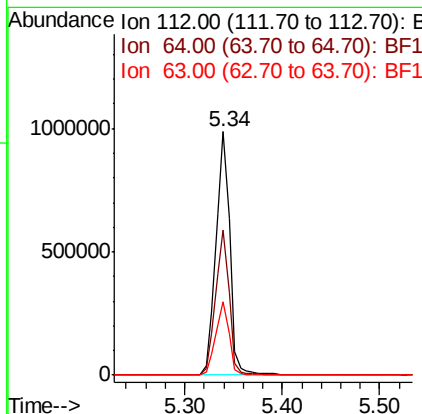
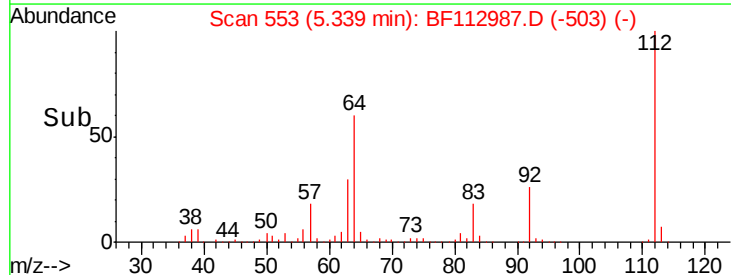


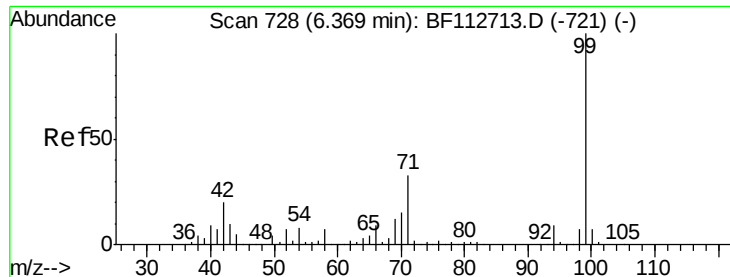
Abundance

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: 95.227 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW016-030719

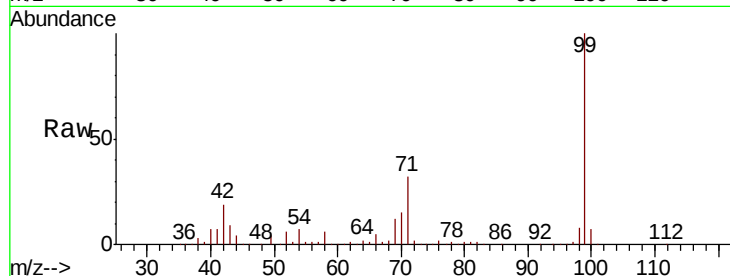
Tgt Ion: 99 Resp: 1290501

Ion Ratio Lower Upper

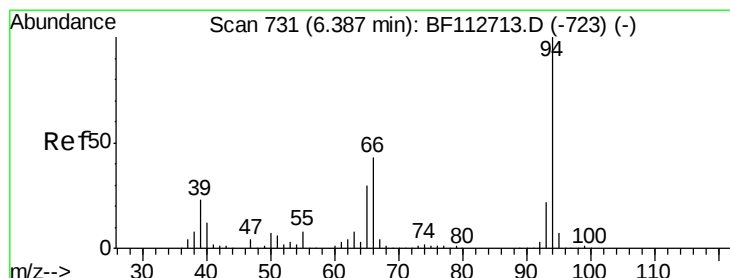
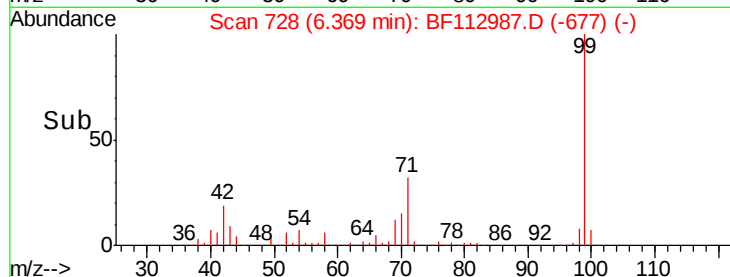
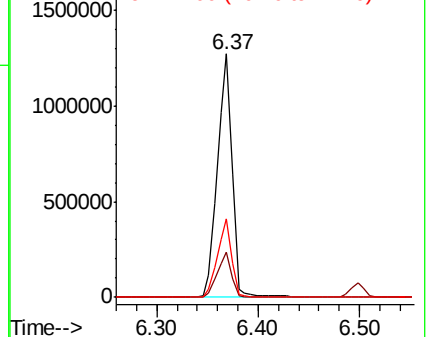
99 100

42 18.7 16.3 24.5

71 32.2 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: 2.028 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

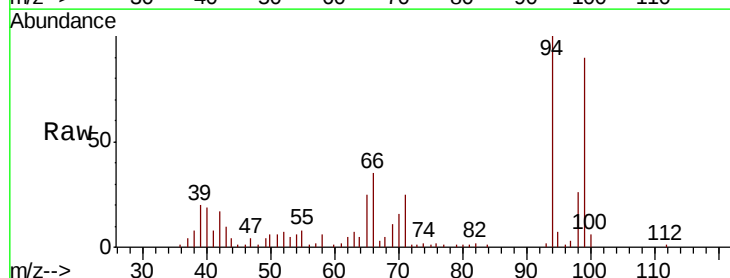
Tgt Ion: 94 Resp: 32064

Ion Ratio Lower Upper

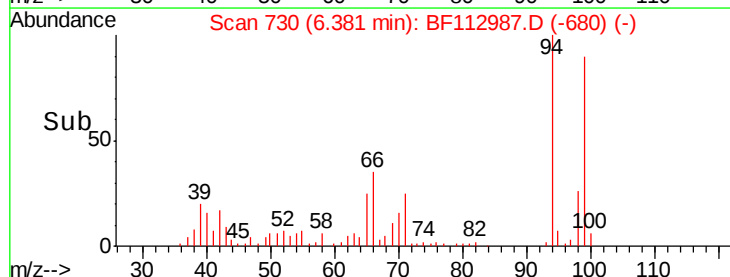
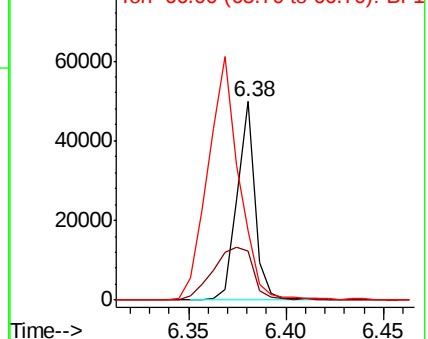
94 100

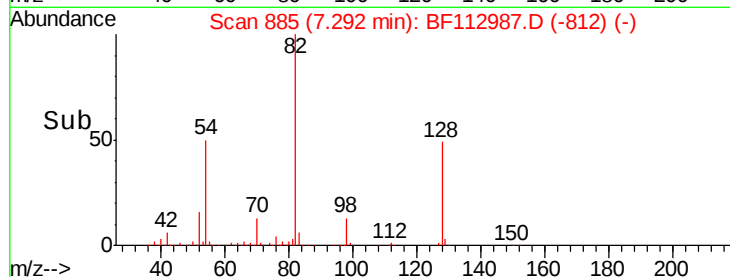
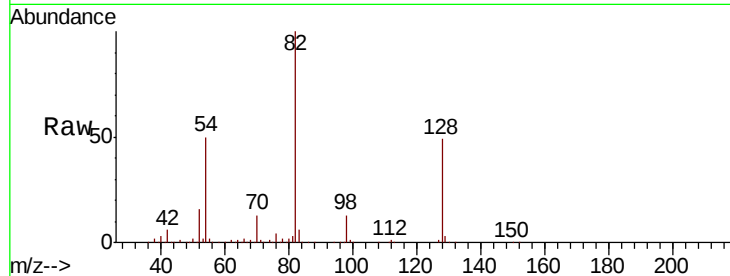
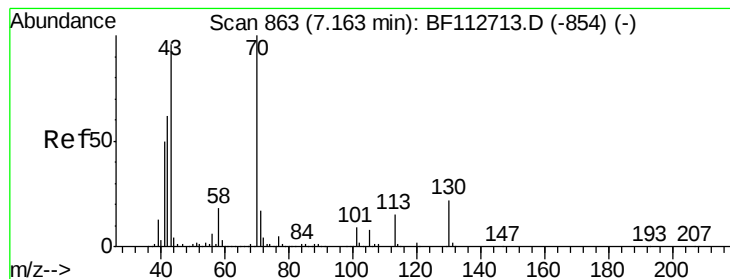
65 24.8 10.5 50.5

66 35.3 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: 11.991 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW016-030719

Tgt Ion: 70 Resp: 102920

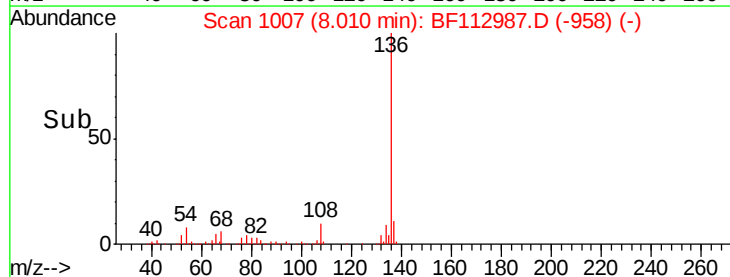
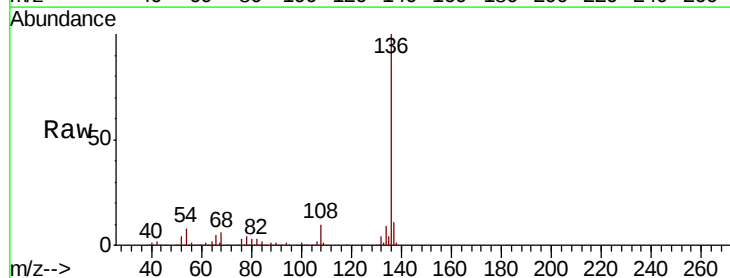
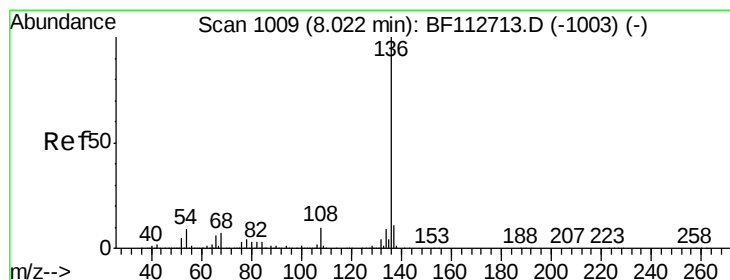
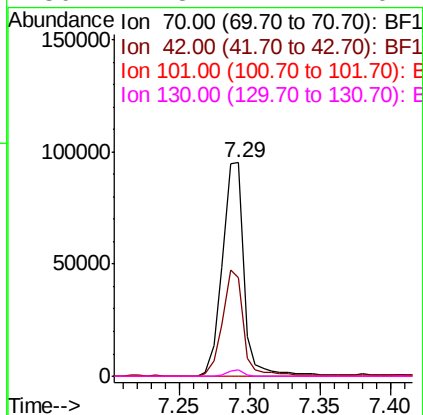
Ion Ratio Lower Upper

70 100

42 46.2 49.9 74.9#

101 0.0 7.4 11.2#

130 2.8 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: BF112987.D

Acq: 12 Mar 2019 6:39

Tgt Ion: 136 Resp: 662180

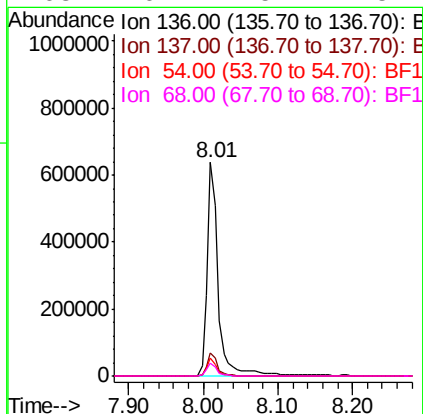
Ion Ratio Lower Upper

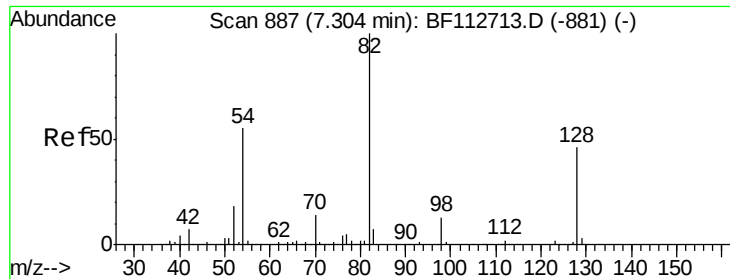
136 100

137 11.1 8.9 13.3

54 8.5 7.3 10.9

68 6.1 5.4 8.2

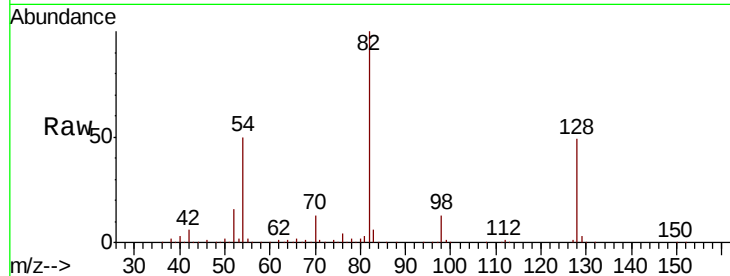




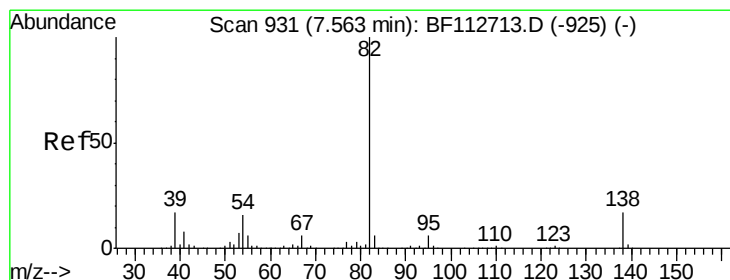
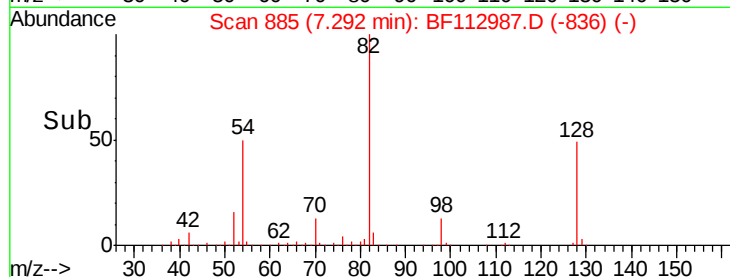
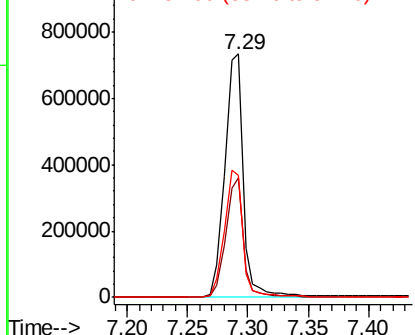
#23
Nitrobenzene-d5
Concen: 71.160 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tgt Ion: 82 Resp: 787474
Ion Ratio Lower Upper
82 100
128 48.9 36.3 54.5
54 50.0 43.7 65.5

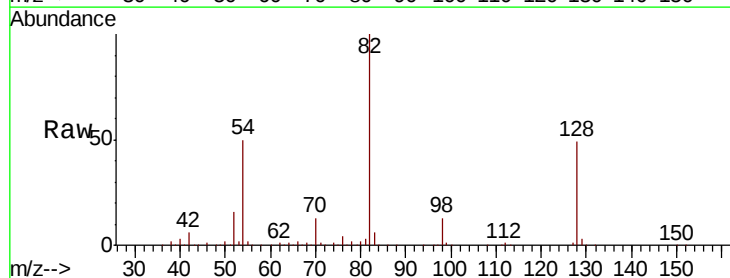


Abundance Ion 82.00 (81.70 to 82.70): BF1
1000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

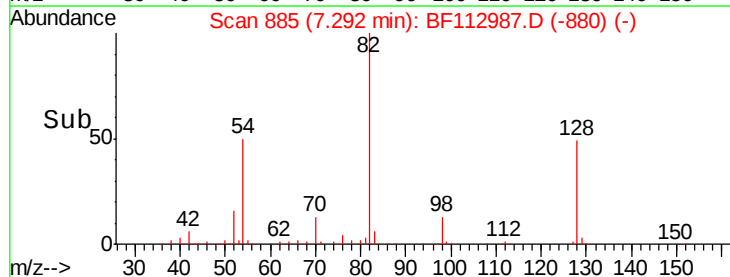
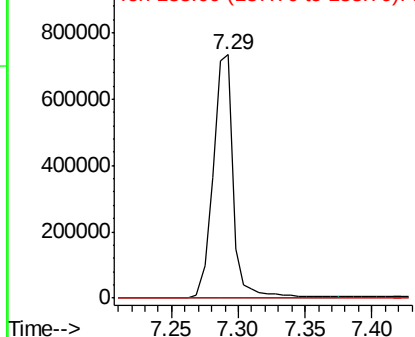


#25
Isophorone
Concen: 32.911 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion: 82 Resp: 784622
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
1000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

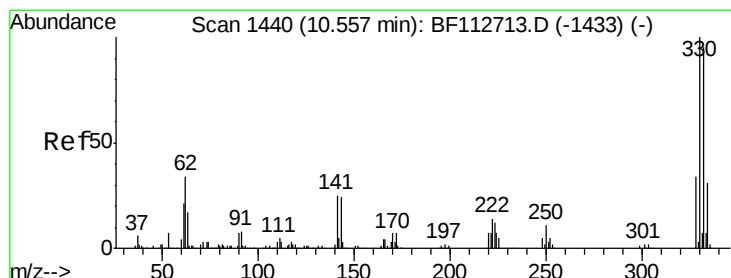
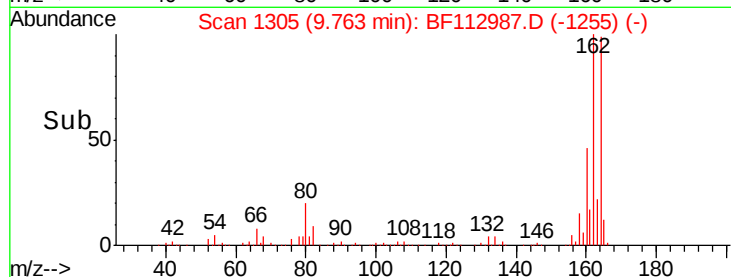
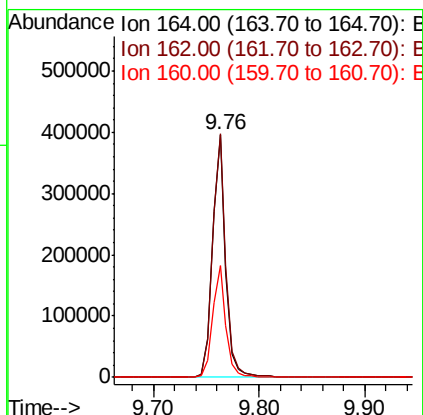
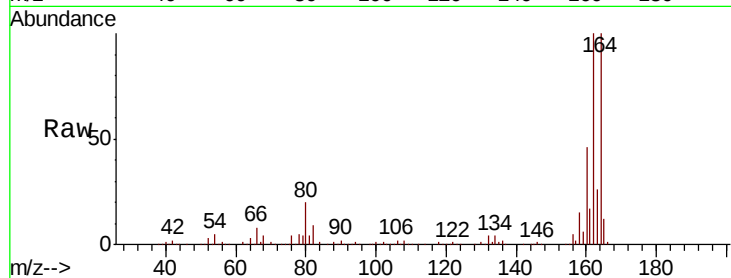




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

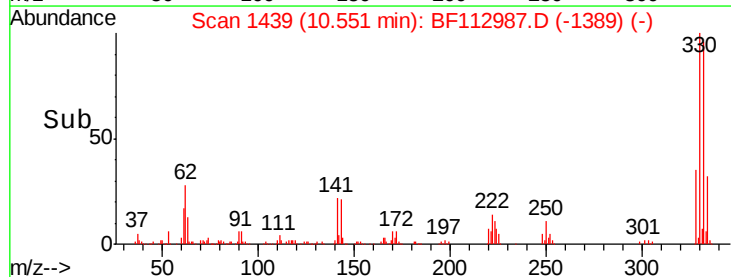
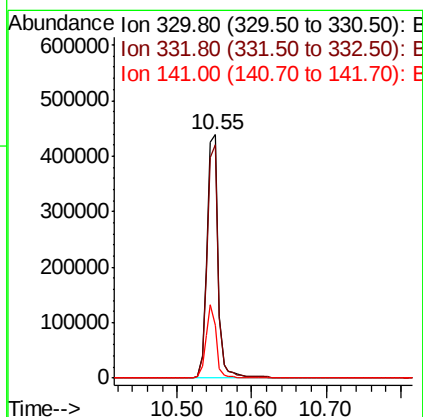
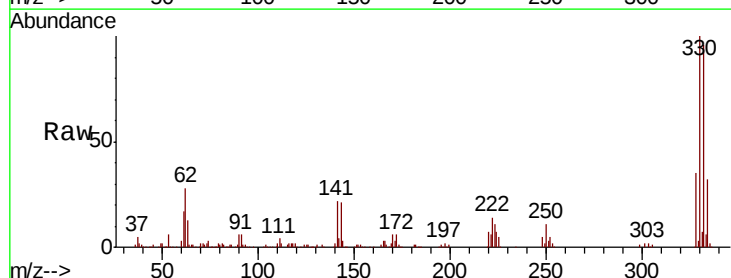
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

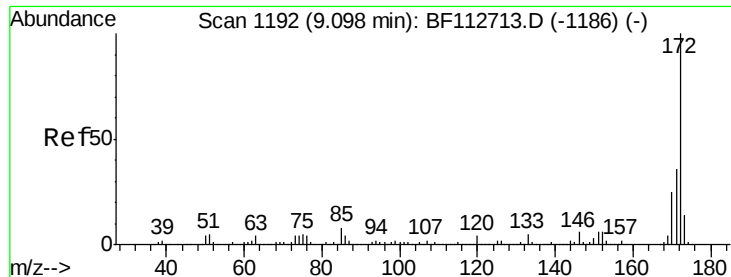
Tgt Ion:164 Resp: 349152
 Ion Ratio Lower Upper
 164 100
 162 100.4 80.6 120.8
 160 45.9 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 124.425 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Tgt Ion:330 Resp: 461206
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.2 114.4
 141 28.3 27.0 40.6

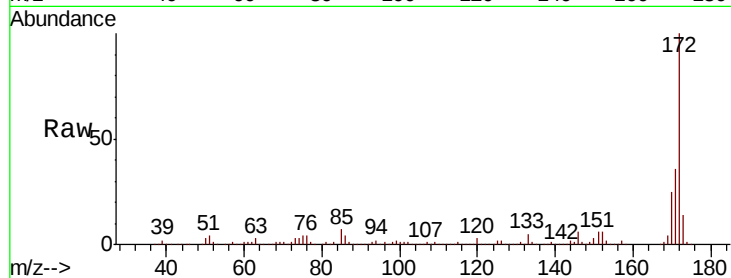




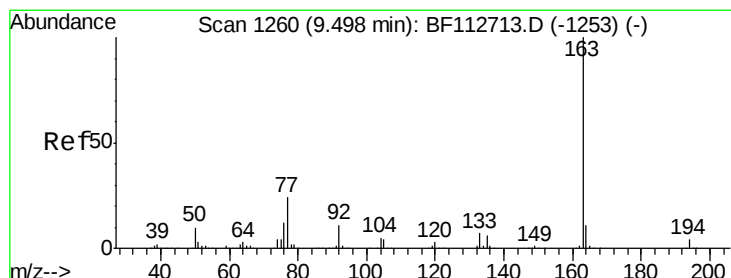
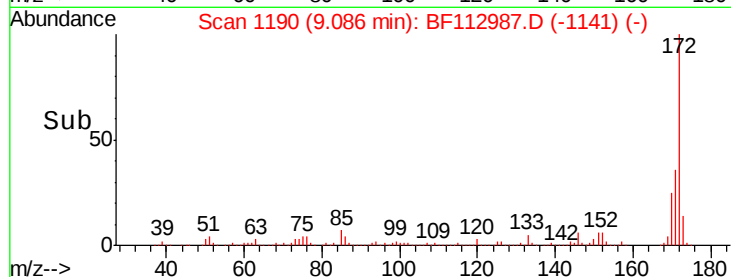
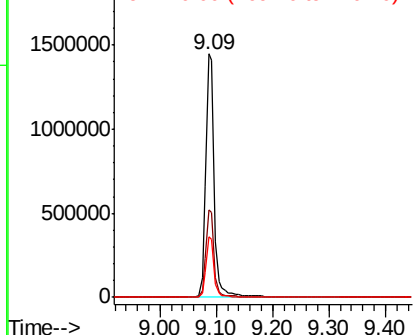
#45
 2-Fluorobiphenyl
 Concen: 70.258 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

Tgt Ion:172 Resp: 1549862
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.0 43.4
 170 24.7 20.0 30.0

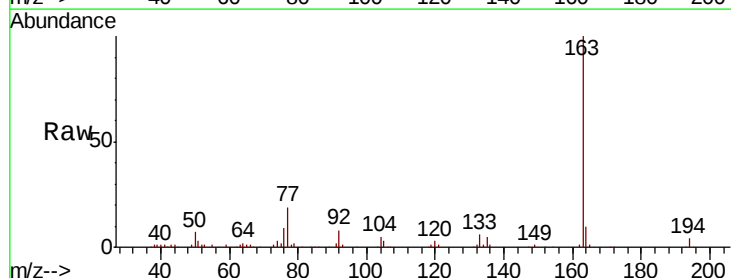


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

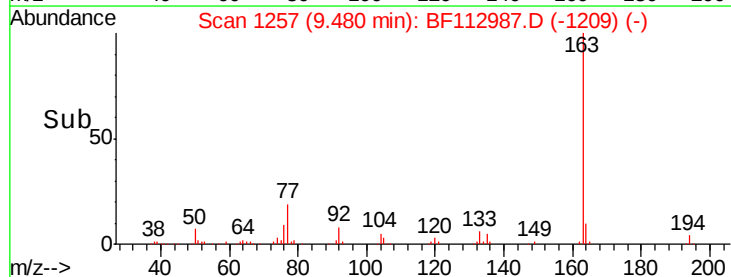
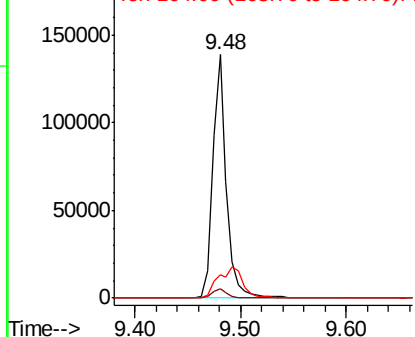


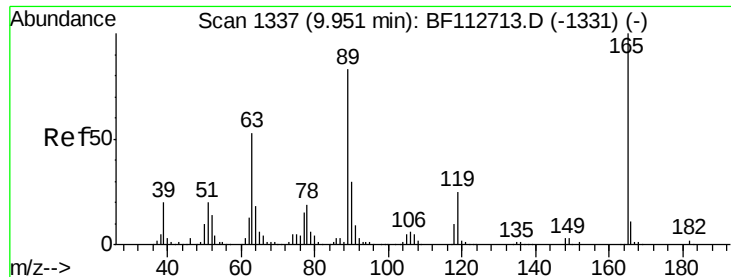
#50
 Dimethylphthalate
 Concen: 4.910 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.02 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Tgt Ion:163 Resp: 126395
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.0 4.4
 164 9.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 150000 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

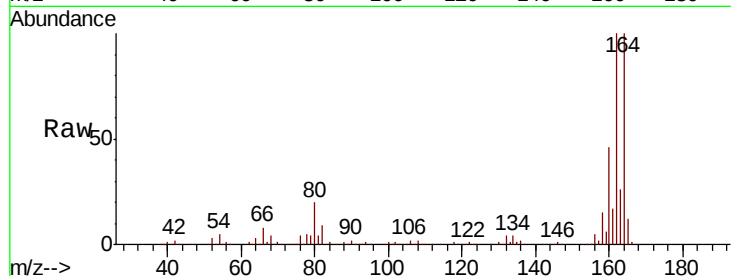




#57
2,4-Dinitrotoluene
Concen: 6.693 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.19 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	42.2	63.2#
89	1.6	66.2	99.4#
182	0.0	1.8	2.6#

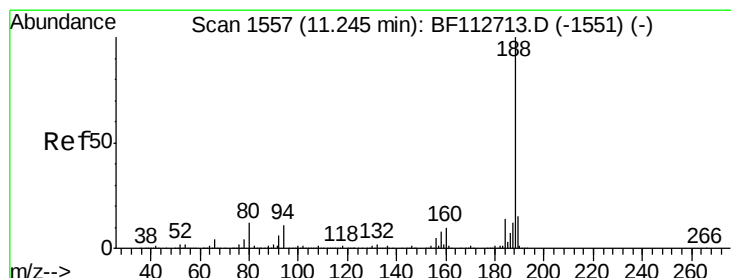
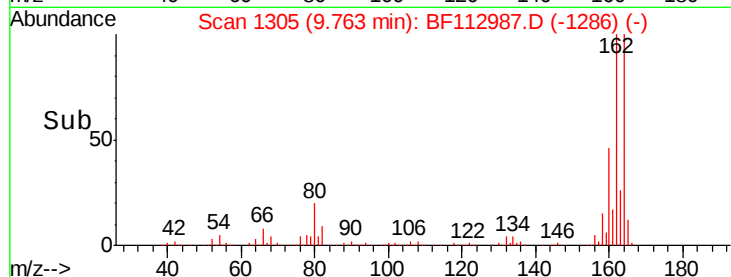
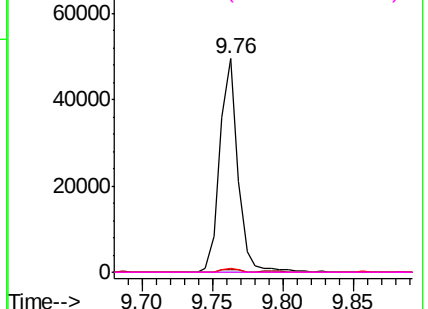


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

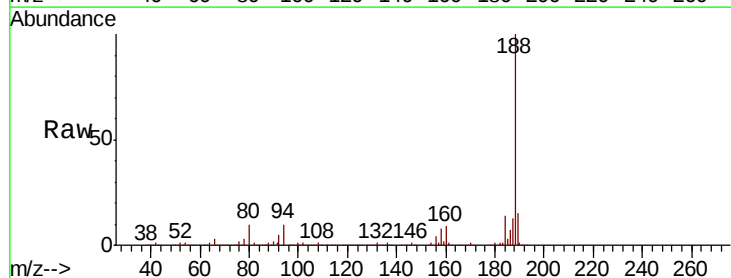
Ion 89.00 (88.70 to 89.70): BF1

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: BF112987.D
Acq: 12 Mar 2019 6:39

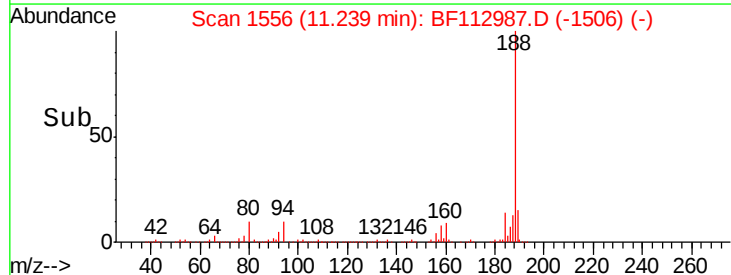
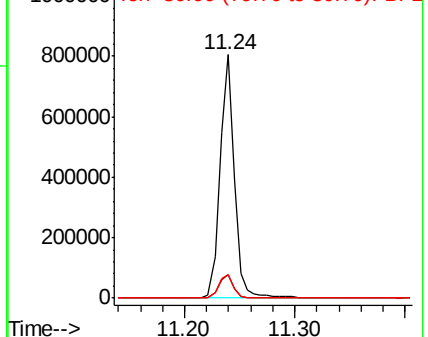
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.0	13.4
80	9.8	9.2	13.8



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

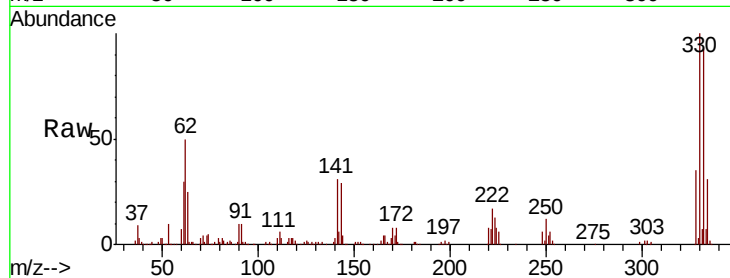




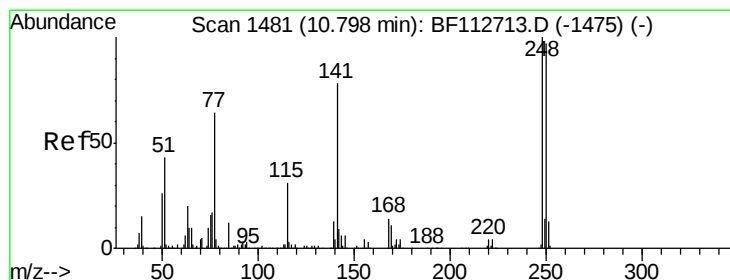
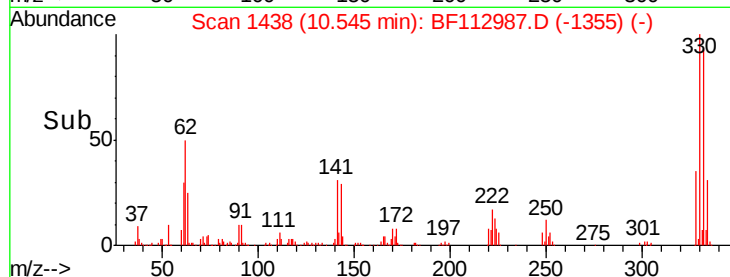
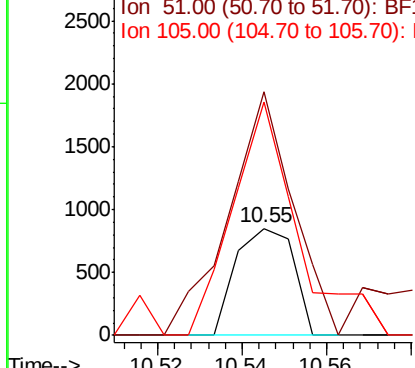
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.857 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

Tgt Ion:198 Resp: 810
 Ion Ratio Lower Upper
 198 100
 51 227.2 43.8 83.8#
 105 217.5 36.5 76.5#

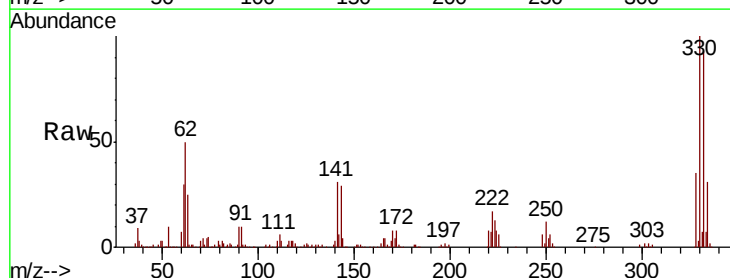


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

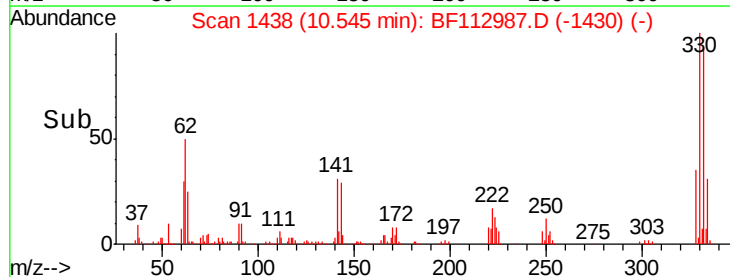
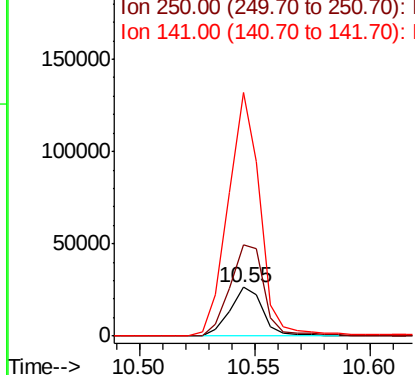


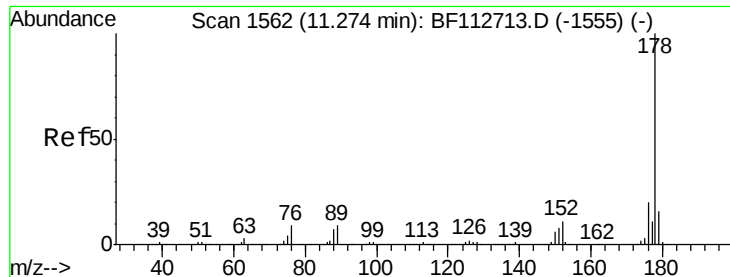
#67
 4-Bromophenyl-phenylether
 Concen: 3.405 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Tgt Ion:248 Resp: 26130
 Ion Ratio Lower Upper
 248 100
 250 186.8 77.5 116.3#
 141 498.0 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: 4.038 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW016-030719

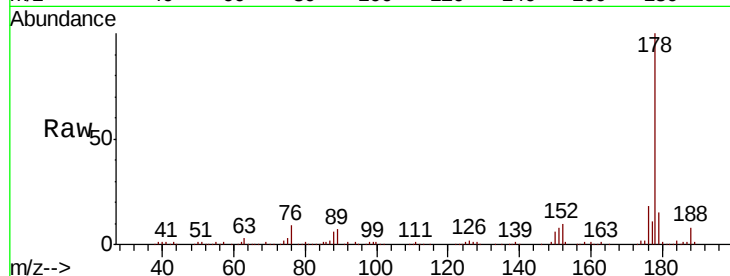
Tgt Ion:178 Resp: 146394

Ion Ratio Lower Upper

178 100

176 17.9 16.3 24.5

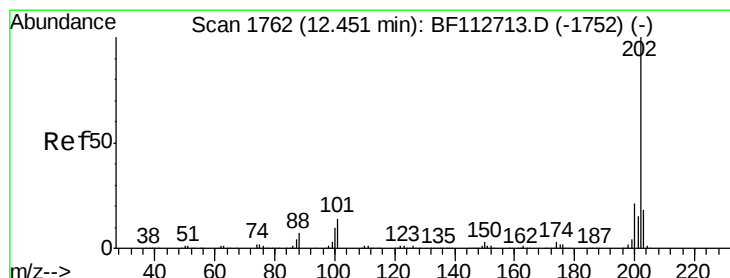
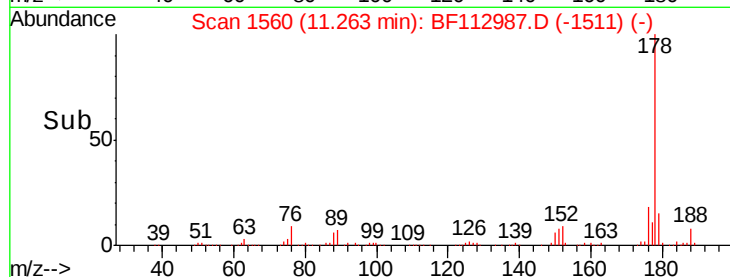
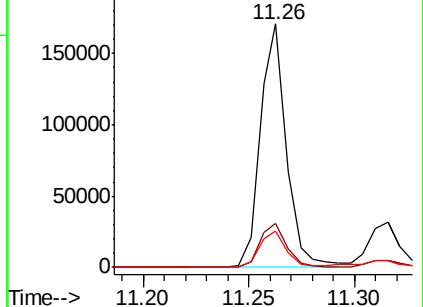
179 15.0 12.7 19.1



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: 6.782 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

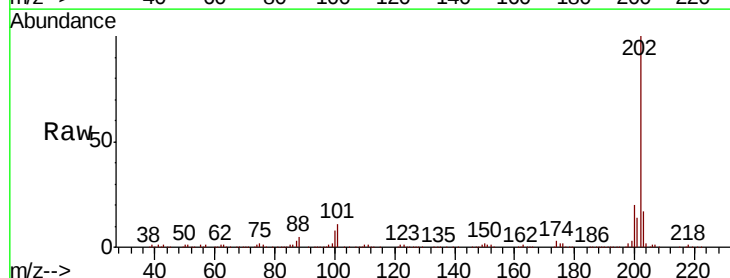
Tgt Ion:202 Resp: 263435

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.8

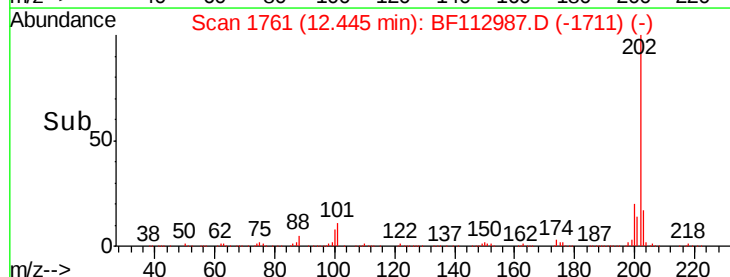
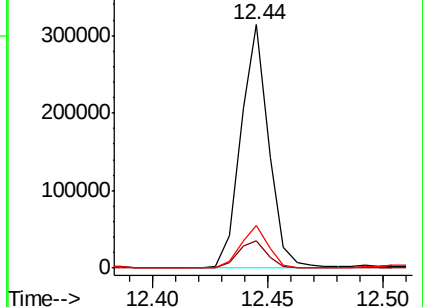
203 17.3 0.0 38.4

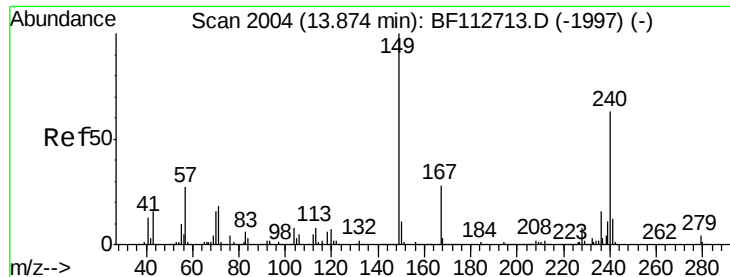


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

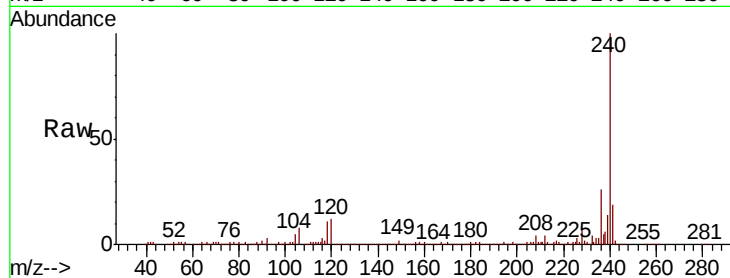




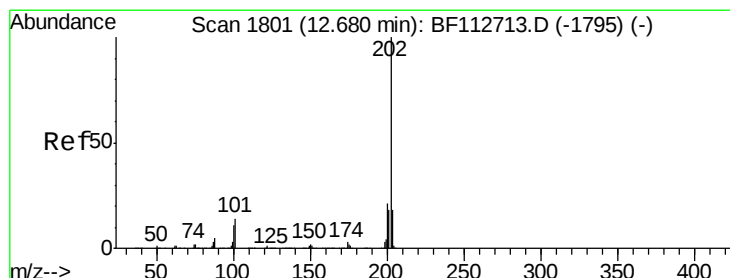
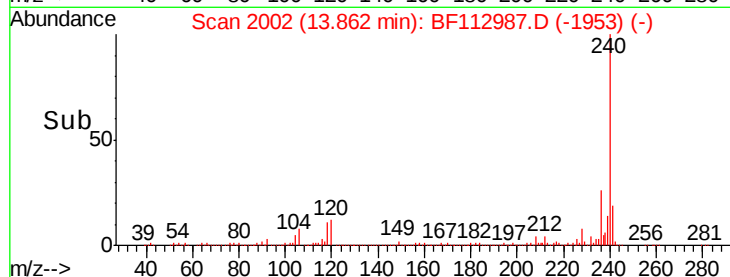
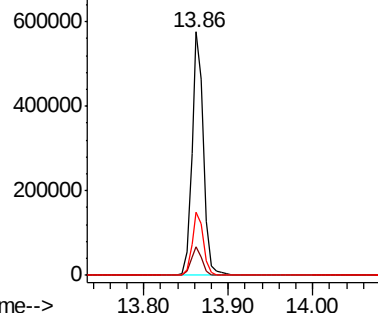
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

Tgt Ion:240 Resp: 555414
Ion Ratio Lower Upper
240 100
120 12.0 8.9 13.3
236 25.7 20.7 31.1

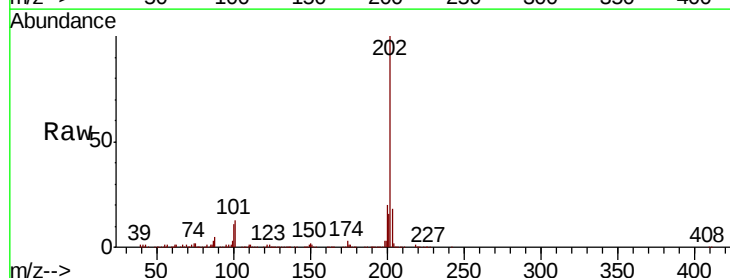


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

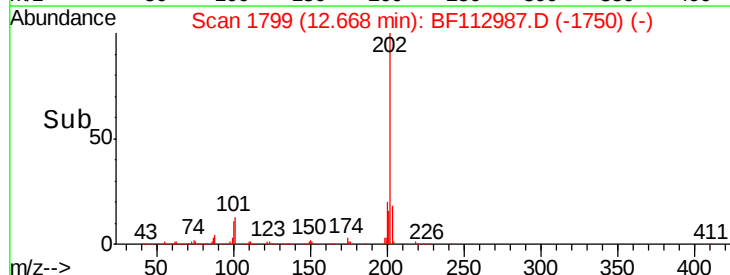
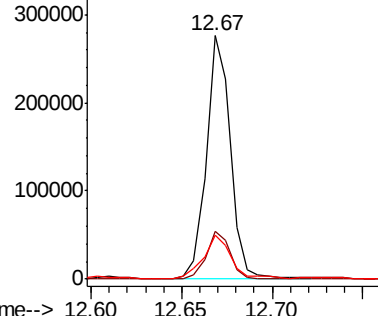


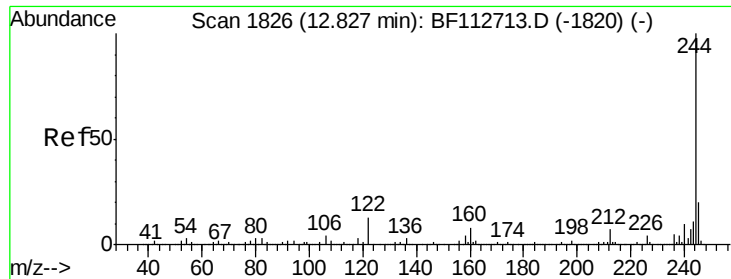
#78
Pyrene
Concen: 5.406 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion:202 Resp: 253106
Ion Ratio Lower Upper
202 100
200 19.7 17.0 25.4
203 18.1 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

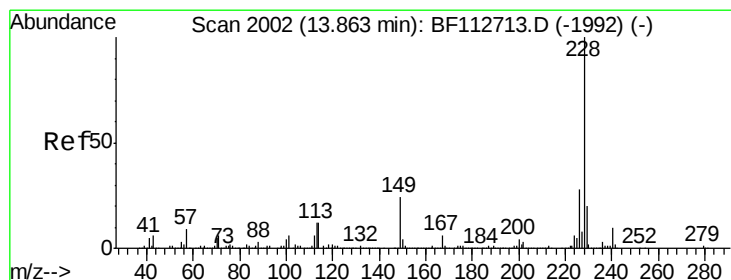
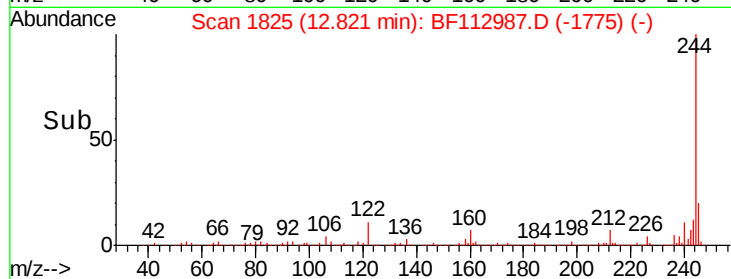
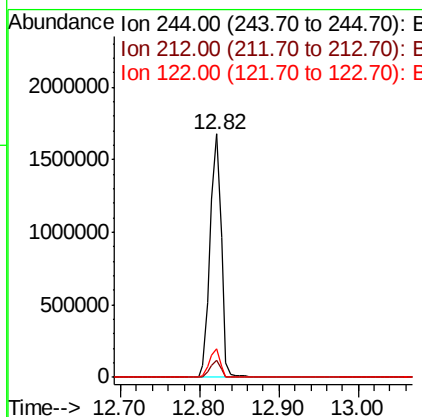
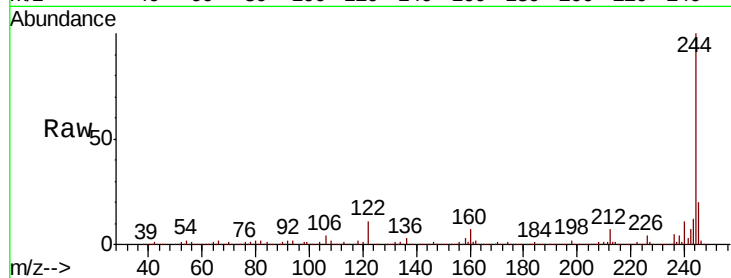




#79
 Terphenyl-d14
 Concen: 57.284 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

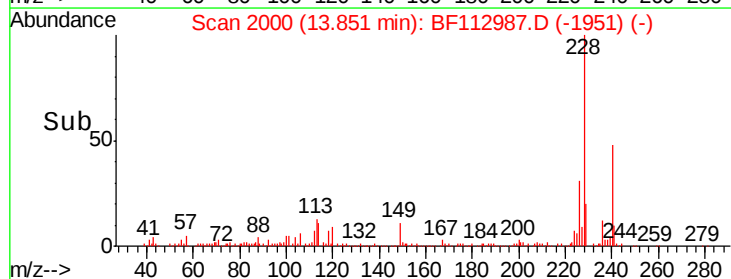
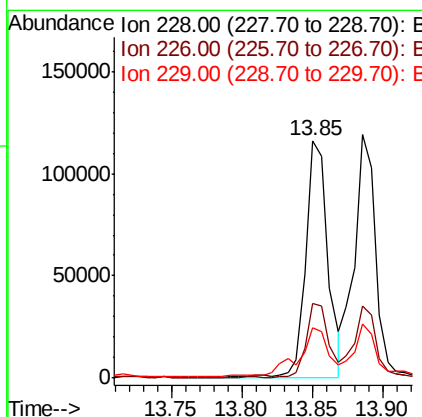
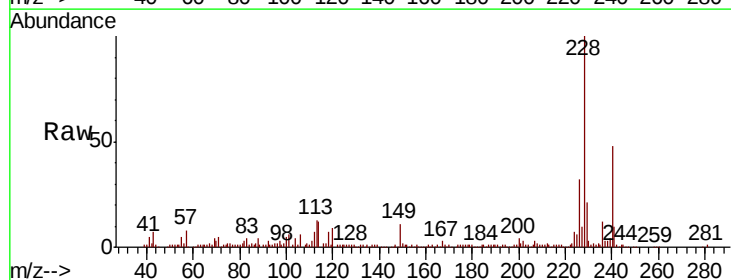
Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW016-030719

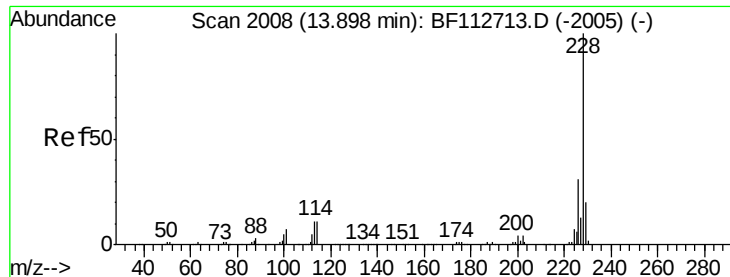
Tgt Ion:244 Resp: 1641277
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.5 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 3.320 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF112987.D
 Acq: 12 Mar 2019 6:39

Tgt Ion:228 Resp: 127812
 Ion Ratio Lower Upper
 228 100
 226 31.6 22.2 33.4
 229 21.4 16.0 24.0





#83

Chrysene

Concen: 3.335 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW016-030719

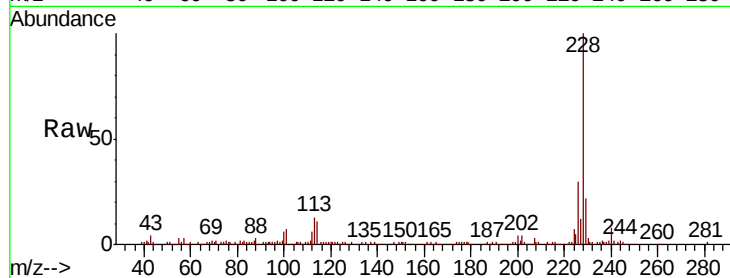
Tgt Ion:228 Resp: 125749

Ion Ratio Lower Upper

228 100

226 29.6 24.9 37.3

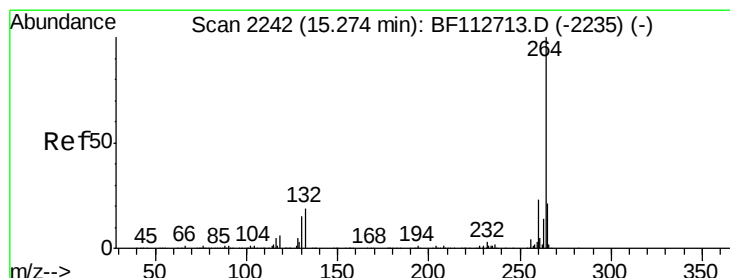
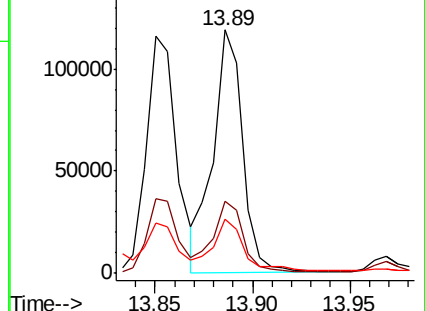
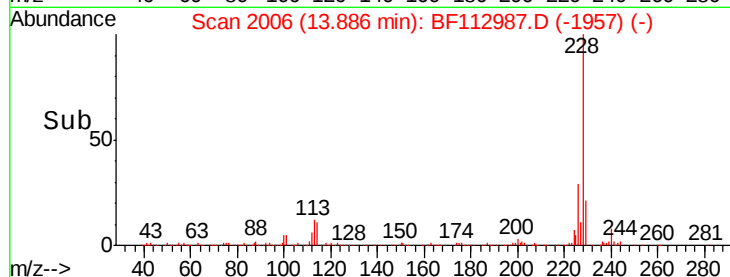
229 22.4 16.3 24.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

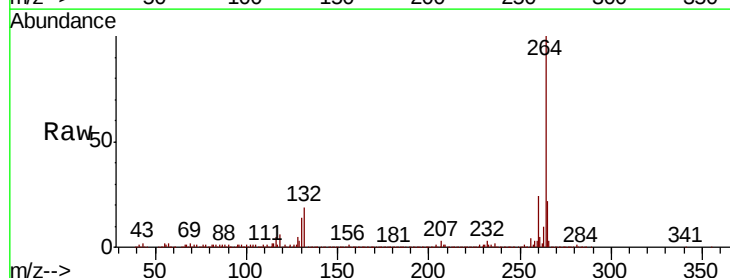
Tgt Ion:264 Resp: 445107

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

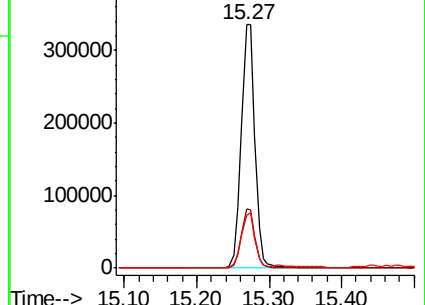
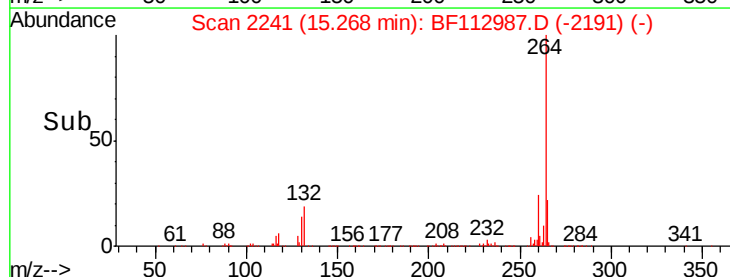
265 21.7 17.2 25.8

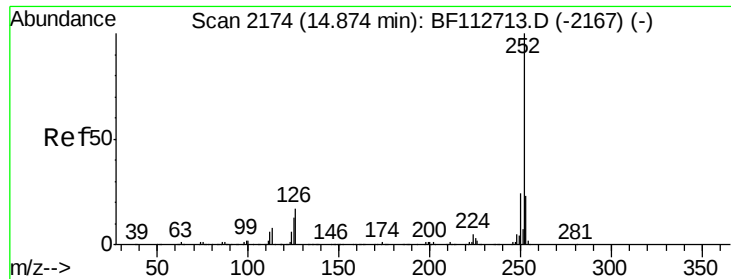


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

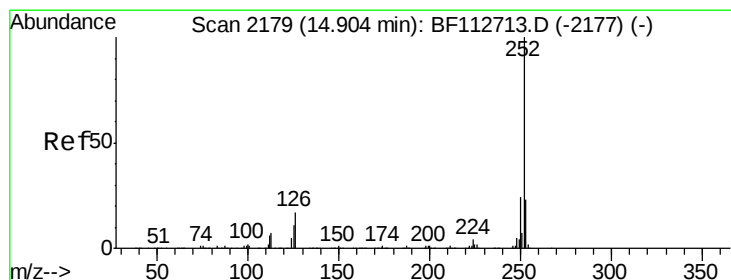
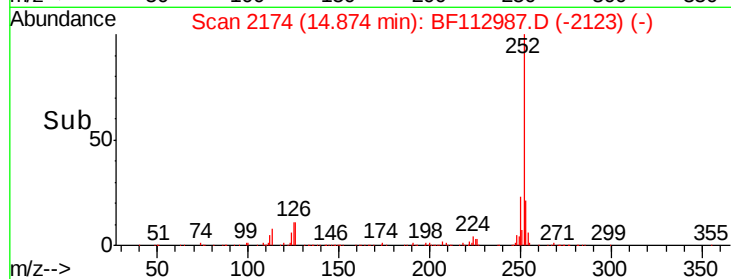
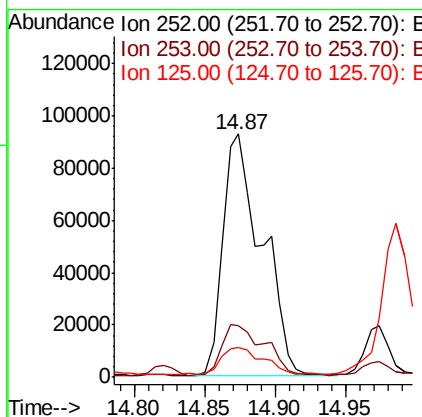
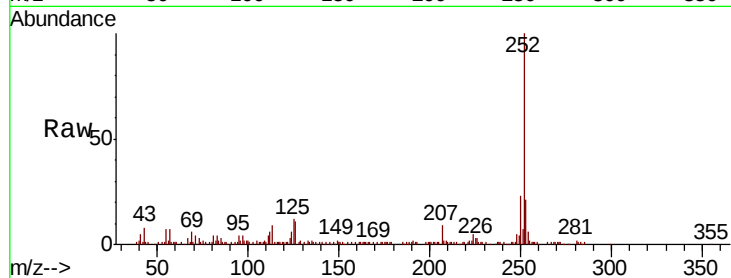




#88
Benzo(b)fluoranthene
Concen: 6.239 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

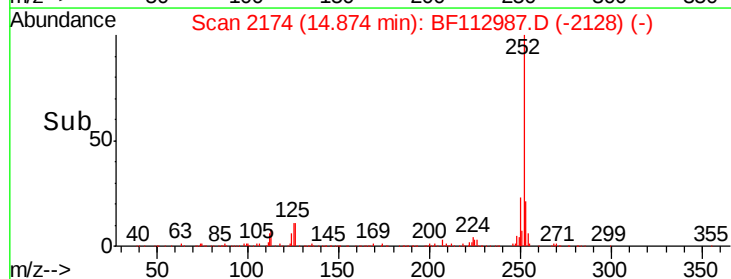
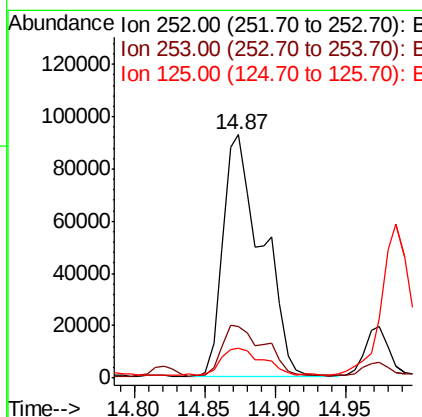
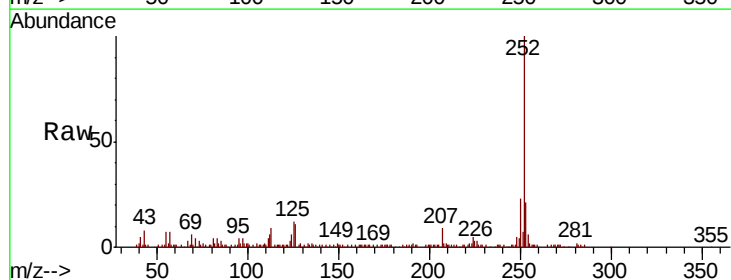
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW016-030719

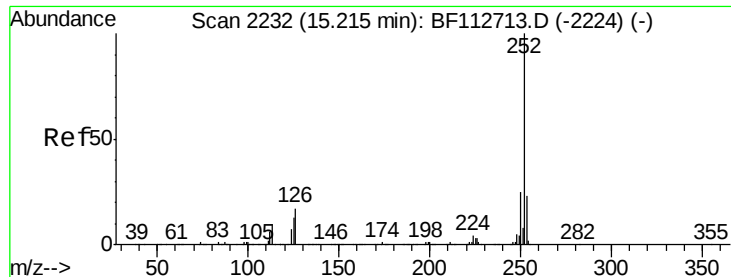
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.0	27.0
125	12.4	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 6.888 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.03 min
Lab File: BF112987.D
Acq: 12 Mar 2019 6:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.2	27.2
125	12.4	9.8	14.6





#90

Benzo(a)pyrene

Concen: 3.458 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW016-030719

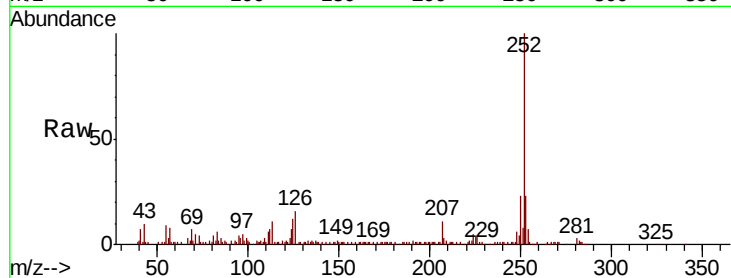
Tgt Ion:252 Resp: 88060

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 12.4 10.7 16.1

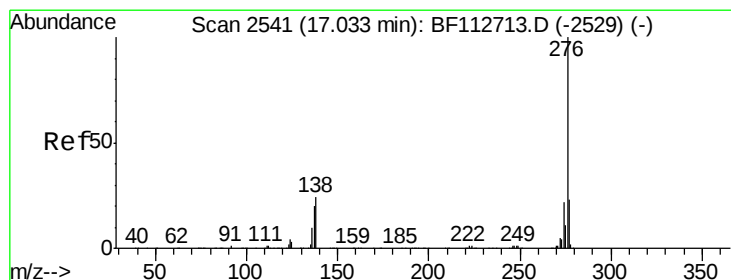
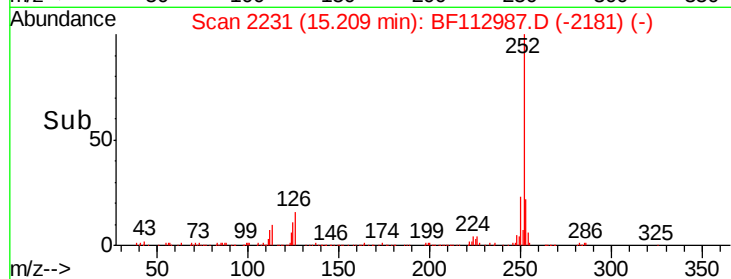
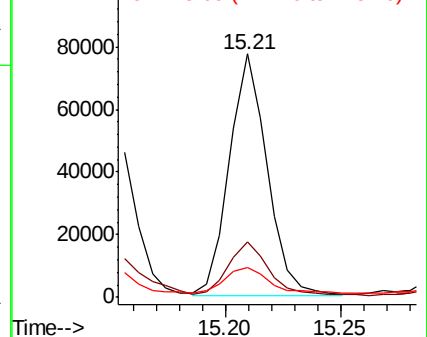


Abundance

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: 2.043 ng

RT: 17.03 min Scan# 2541

Delta R.T. -0.00 min

Lab File: BF112987.D

Acq: 12 Mar 2019 6:39

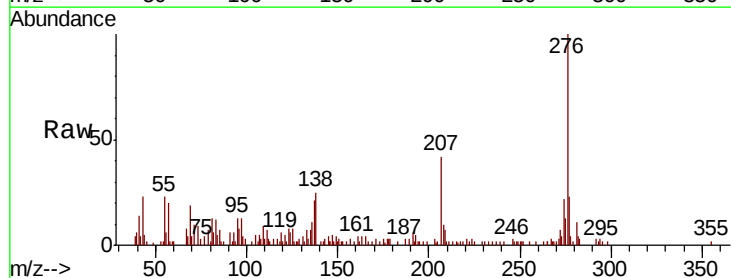
Tgt Ion:276 Resp: 44586

Ion Ratio Lower Upper

276 100

277 23.4 18.6 27.8

138 25.3 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

