

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113091.D
 Acq On : 18 Mar 2019 15:38
 Operator : JU/SJ
 Sample : K1940-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWS

Quant Time: Mar 19 04:49:48 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	191659	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	674989	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	305923	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	547300	20.00	ng	0.00
76) Chrysene-d12	13.87	240	505162	20.00	ng	0.00
87) Perylene-d12	15.29	264	504368	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	993432	80.63	ng	0.02
7) Phenol-d6	6.38	99	1211323	78.26	ng	0.00
23) Nitrobenzene-d5	7.29	82	940578	83.38	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	398339	122.65	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1645923	90.77	ng	0.00
79) Terphenyl-d14	12.83	244	1556913	59.74	ng	0.00

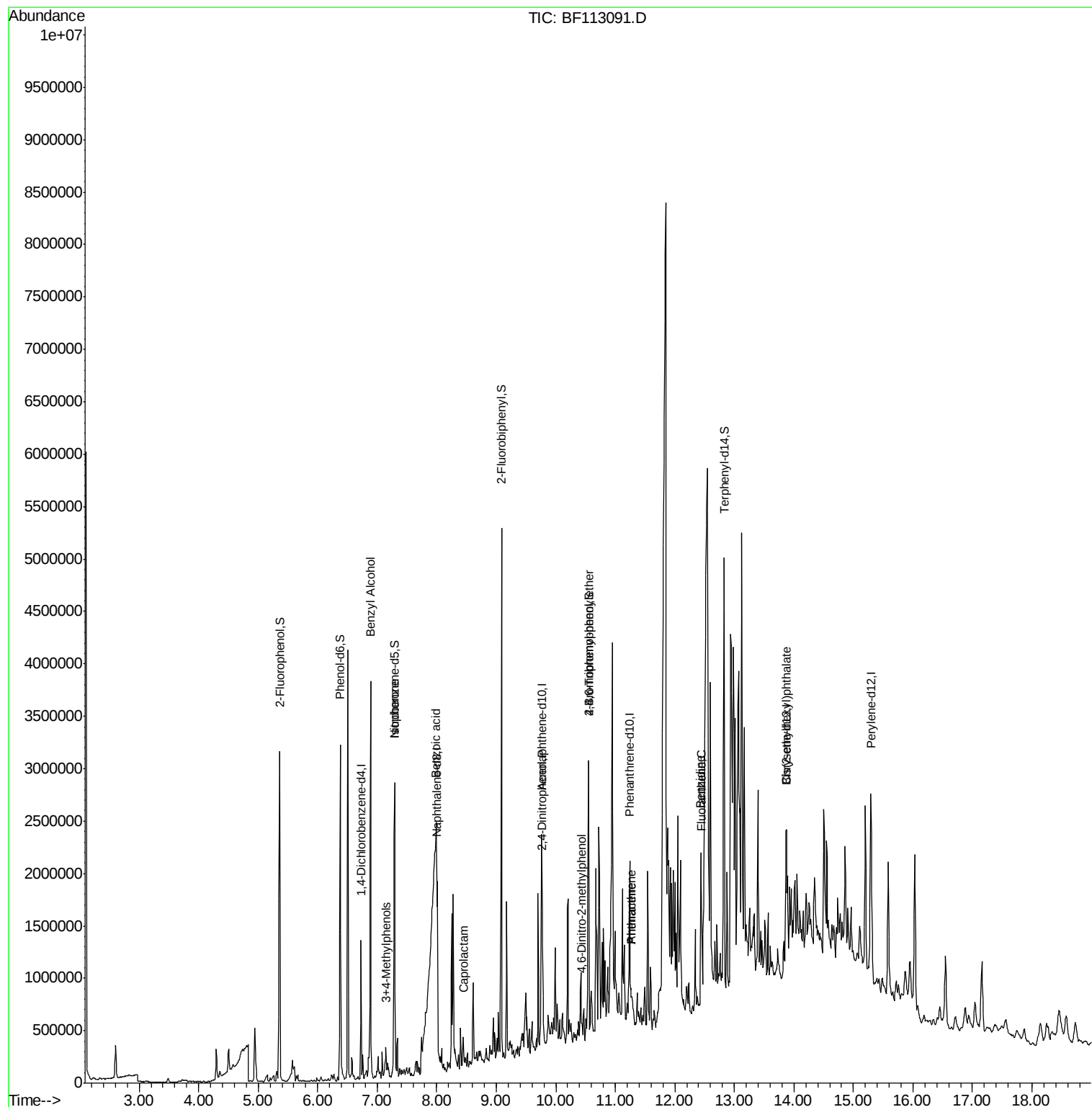
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.89	79	25252	2.140	ng	# 56
20) 3+4-Methylphenols	7.15	107	79953	6.365	ng	# 55
25) Isophorone	7.29	82	929278	38.239	ng	# 66
32) Benzoic acid	7.99	122	3405788	499.764	ng	93
35) Caprolactam	8.45	113	7073	2.130	ng	# 43
54) 2,4-Dinitrophenol	9.77	184	1155	7.006	ng	# 66
65) 4,6-Dinitro-2-methylphenol	10.44	198	771	4.923	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	23012	3.992	ng	# 1
71) Phenanthrene	11.26	178	73542	2.701	ng	96
72) Anthracene	11.26	178	73542	2.580	ng	97
75) Fluoranthene	12.45	202	62180	2.131	ng	96
77) Benzidine	12.44	184	802027	30.602	ng	# 87
84) Bis(2-ethylhexyl)phthalate	13.86	149	131124	5.947	ng	# 99

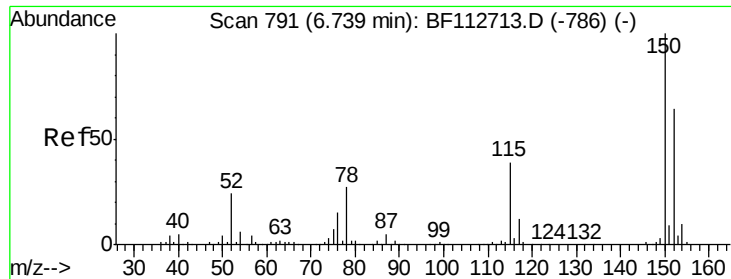
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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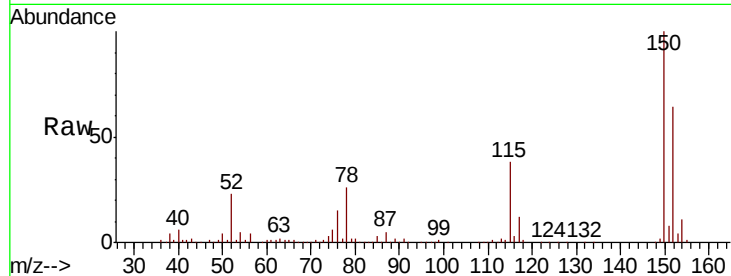




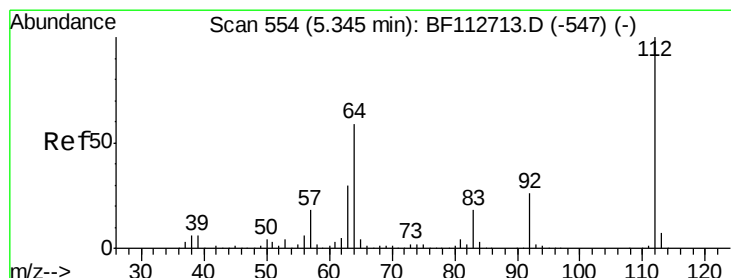
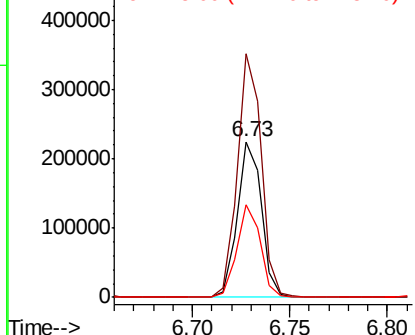
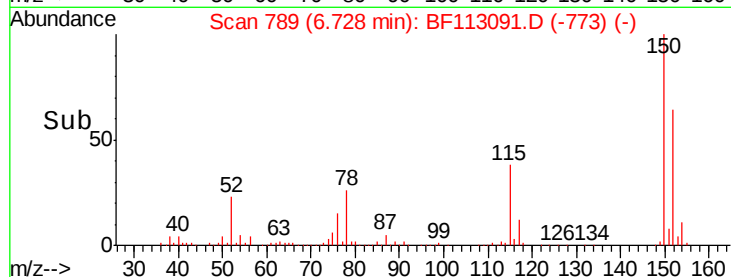
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113091.D
 Acq: 18 Mar 2019 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OWS

Tgt Ion:152 Resp: 191659
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.2 186.2
 115 59.8 48.2 72.4

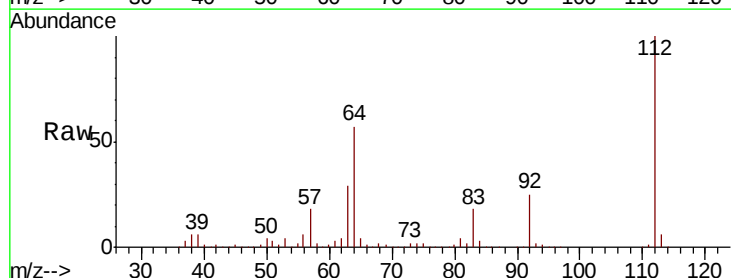


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

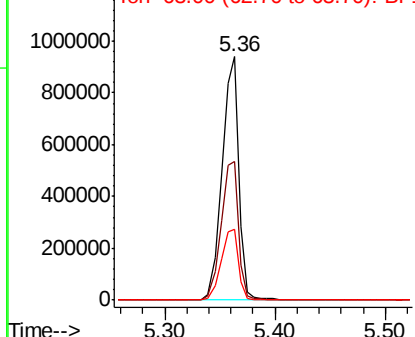
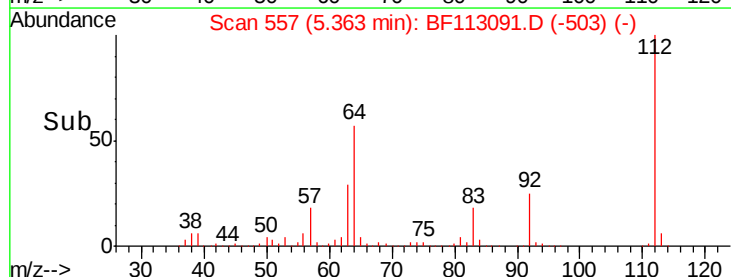


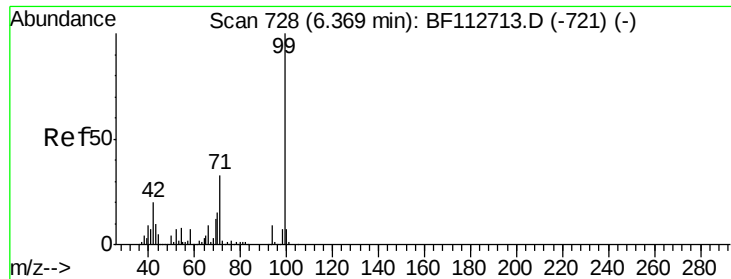
#5
 2-Fluorophenol
 Concen: 80.629 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.02 min
 Lab File: BF113091.D
 Acq: 18 Mar 2019 15:38

Tgt Ion:112 Resp: 993432
 Ion Ratio Lower Upper
 112 100
 64 56.9 47.6 71.4
 63 29.1 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: 78.265 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

Instrument :

BNA_F

ClientSampleId :

OWS

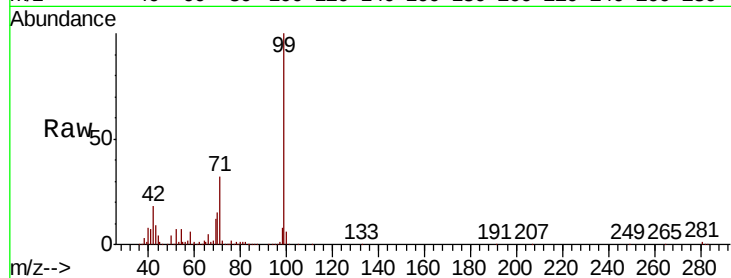
Tgt Ion: 99 Resp: 1211323

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

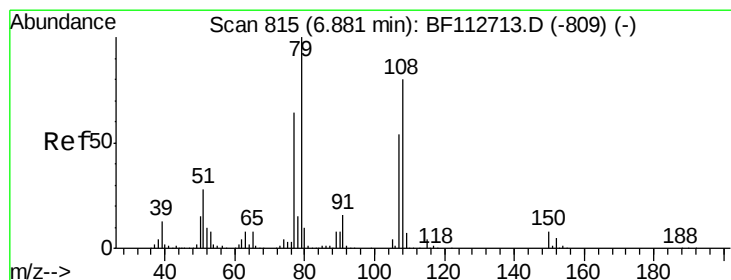
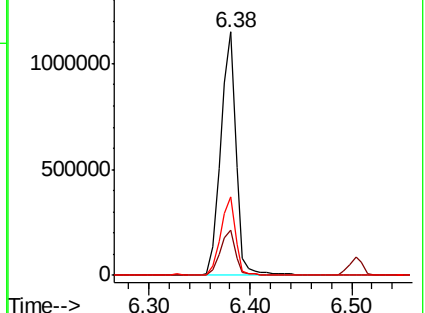
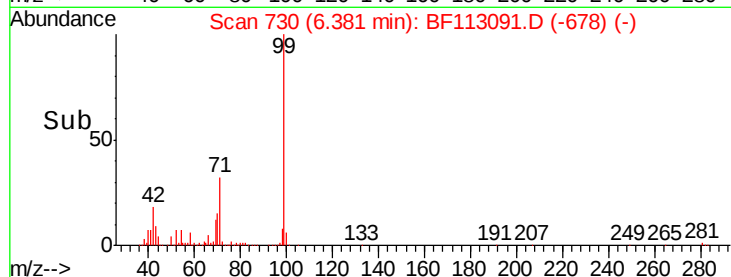
71 32.2 26.2 39.4



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



#15

Benzyl Alcohol

Concen: 2.140 ng

RT: 6.89 min Scan# 816

Delta R.T. 0.01 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

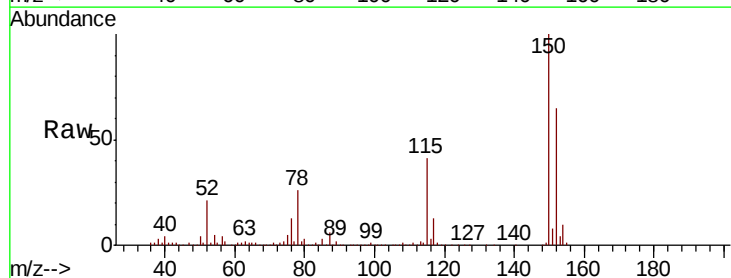
Tgt Ion: 79 Resp: 25252

Ion Ratio Lower Upper

79 100

108 37.7 64.2 96.4#

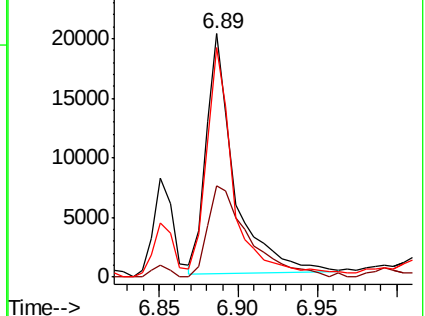
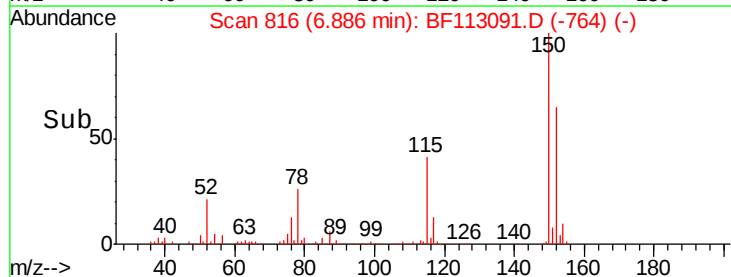
77 94.2 51.1 76.7#

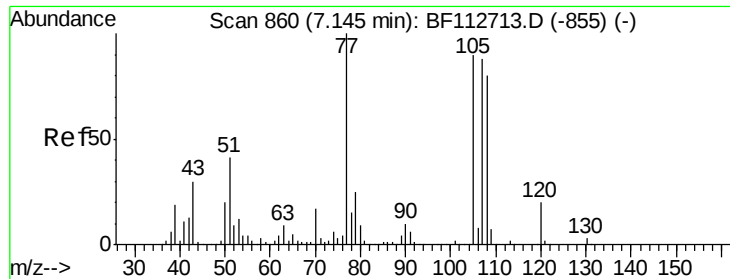


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

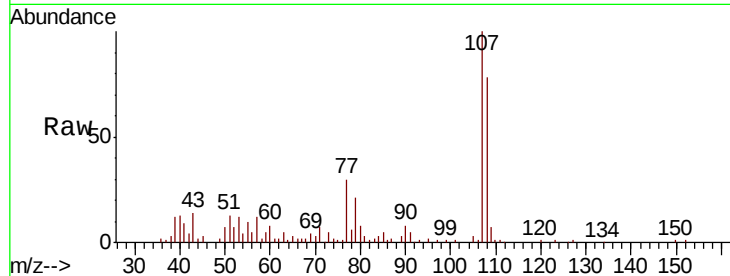




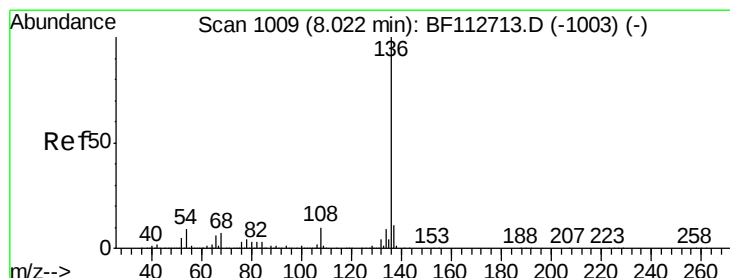
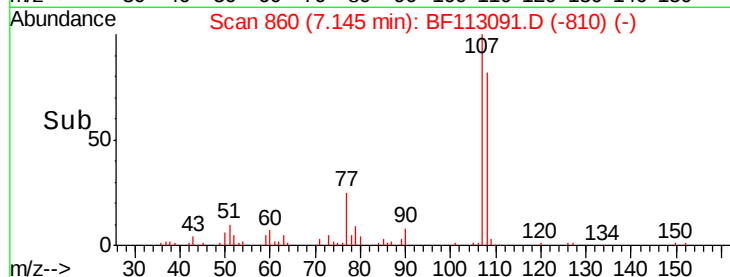
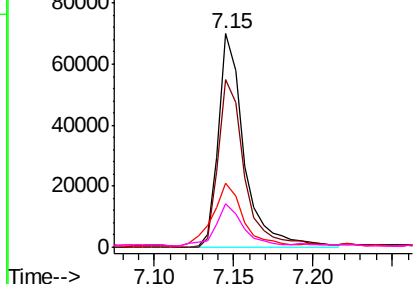
#20
3+4-Methylphenols
Concen: 6.365 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Instrument :
BNA_F
ClientSampleId :
OWS

Tgt Ion:	107	Resp:	79953
Ion	Ratio	Lower	Upper
107	100		
108	78.4	71.4	111.4
77	30.2	94.1	134.1#
79	20.7	8.6	48.6

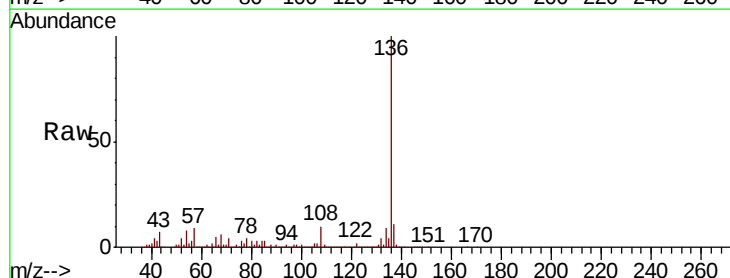


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

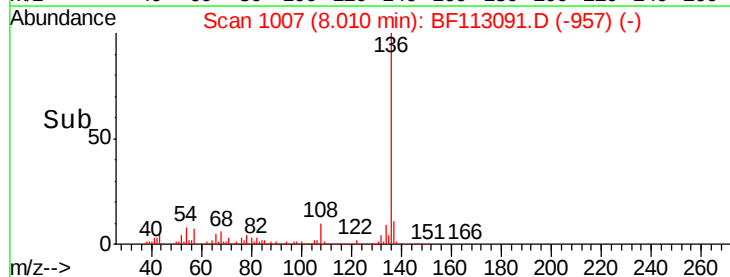
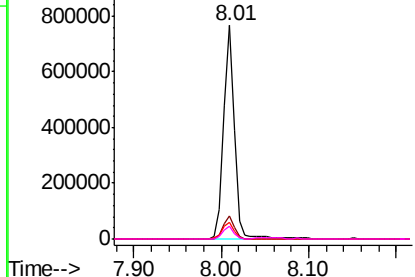


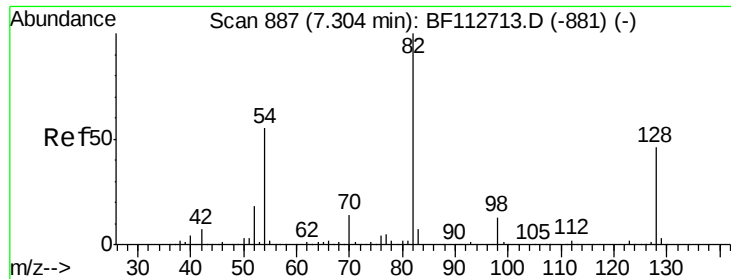
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Tgt Ion:	136	Resp:	674989
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	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

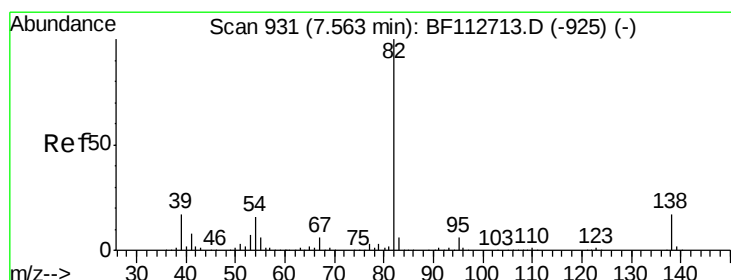
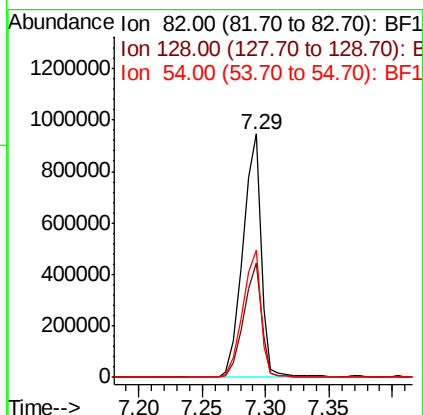
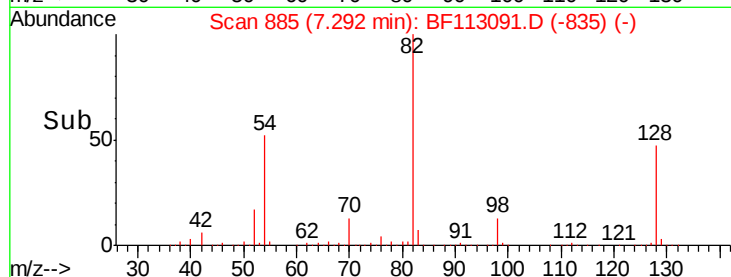
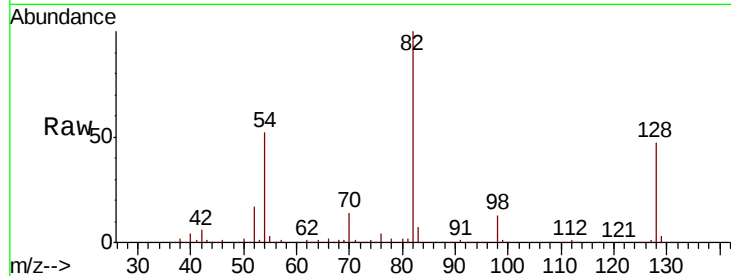




#23
Nitrobenzene-d5
Concen: 83.382 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

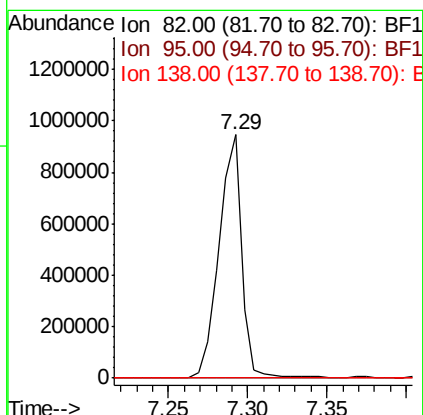
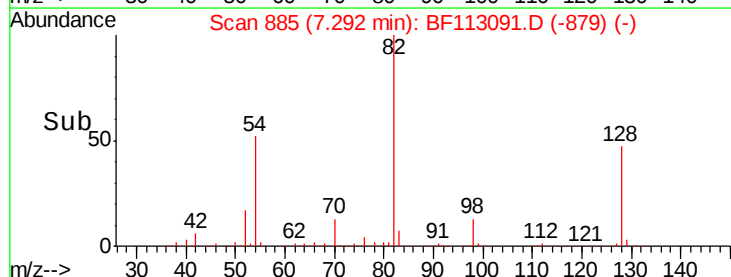
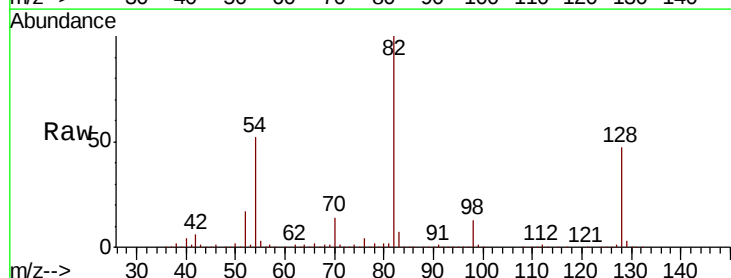
Instrument :
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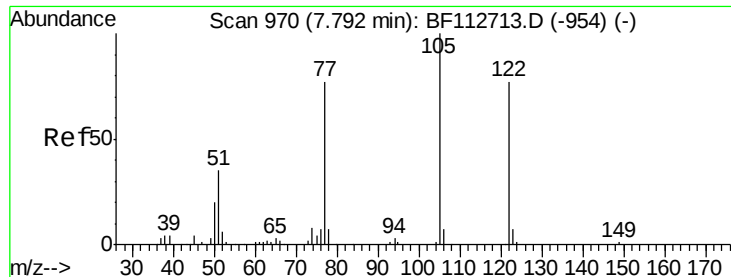
Tgt Ion: 82 Resp: 940578
Ion Ratio Lower Upper
82 100
128 47.2 36.3 54.5
54 52.5 43.7 65.5



#25
Isophorone
Concen: 38.239 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.26 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Tgt Ion: 82 Resp: 929278
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#





#32

Benzoic acid

Concen: 499.764 ng

RT: 7.99 min Scan# 1004

Delta R.T. 0.18 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

Instrument :

BNA_F

ClientSampleId :

OVS

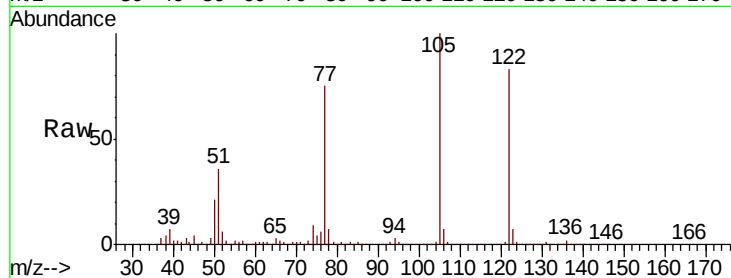
Tgt Ion:122 Resp: 3405788

Ion Ratio Lower Upper

122 100

105 119.9 106.8 146.8

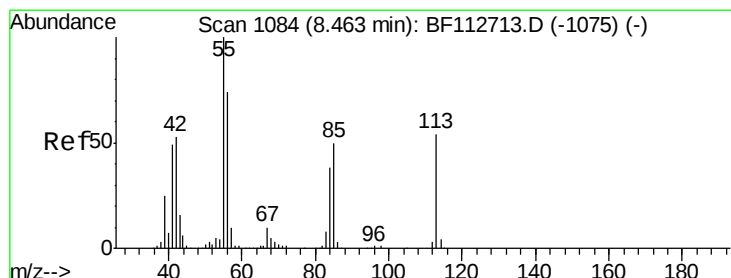
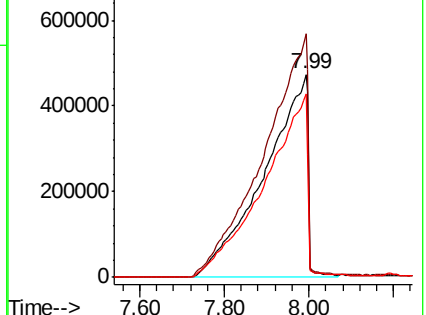
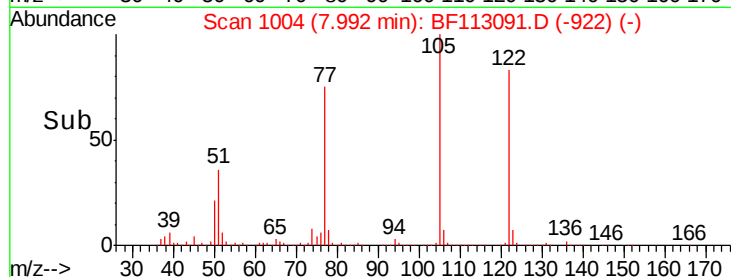
77 90.3 79.4 119.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#35

Caprolactam

Concen: 2.130 ng

RT: 8.45 min Scan# 1081

Delta R.T. -0.02 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

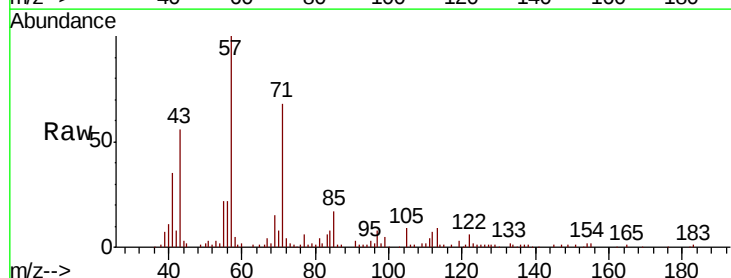
Tgt Ion:113 Resp: 7073

Ion Ratio Lower Upper

113 100

55 239.8 163.5 203.5#

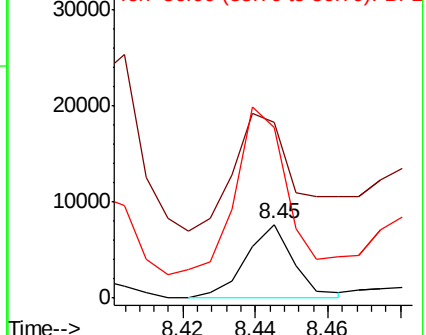
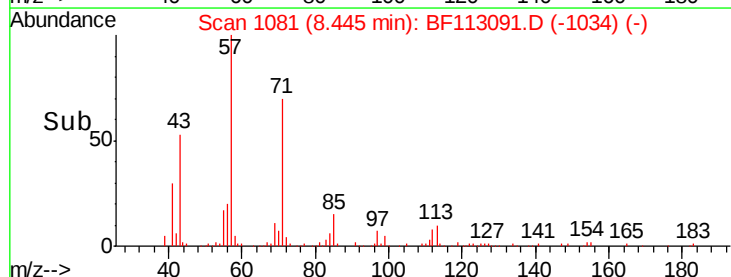
56 232.7 115.3 155.3#

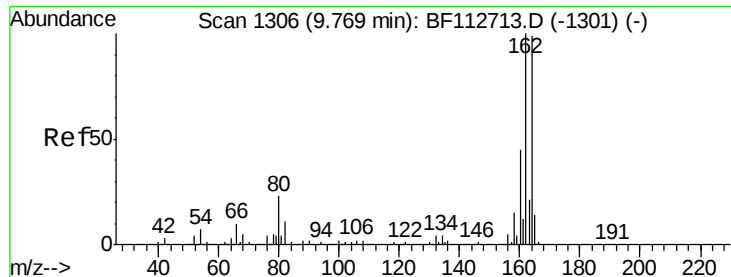


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

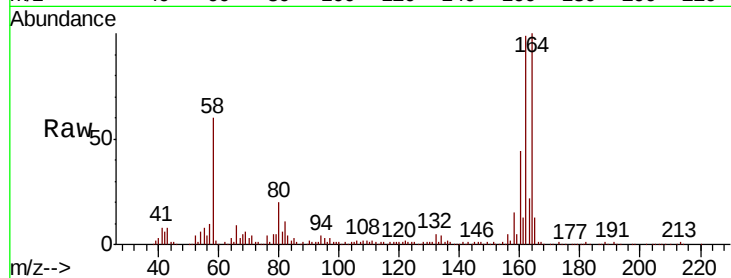




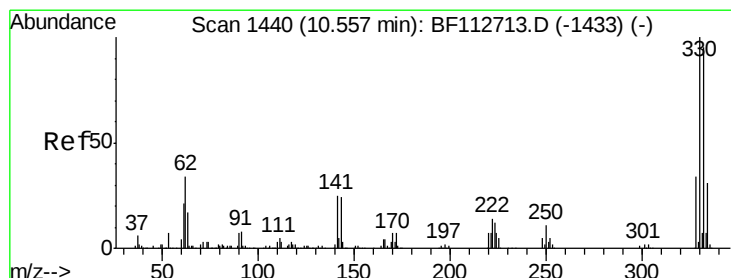
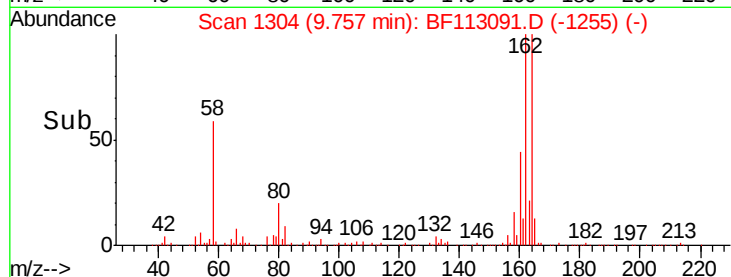
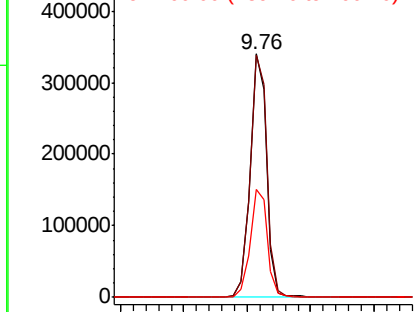
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

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Tgt Ion:164 Resp: 305923
Ion Ratio Lower Upper
164 100
162 99.4 80.6 120.8
160 44.1 36.0 54.0

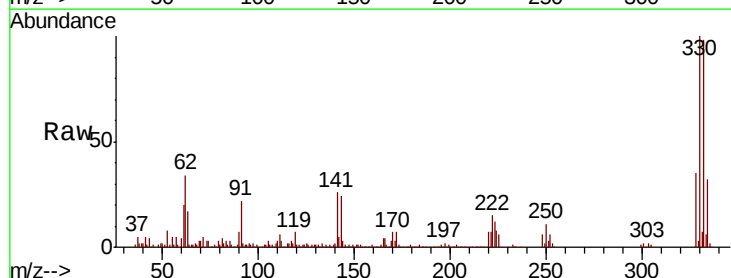


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

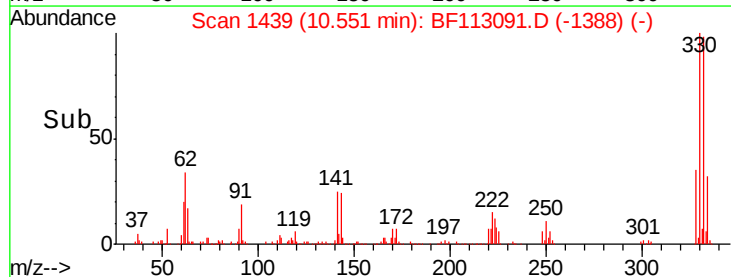
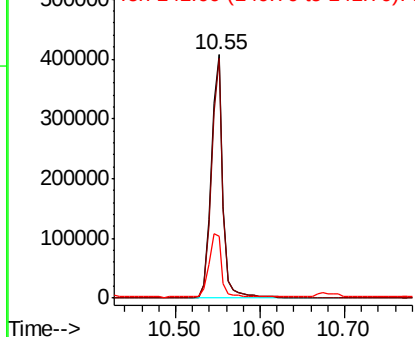


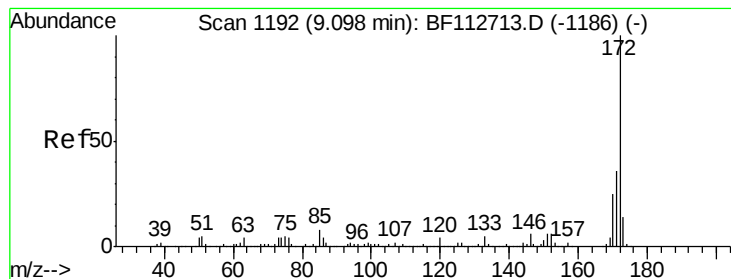
#42
2,4,6-Tribromophenol
Concen: 122.651 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Tgt Ion:330 Resp: 398339
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 27.9 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: 90.766 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

Instrument :

BNA_F

ClientSampleId :

OVS

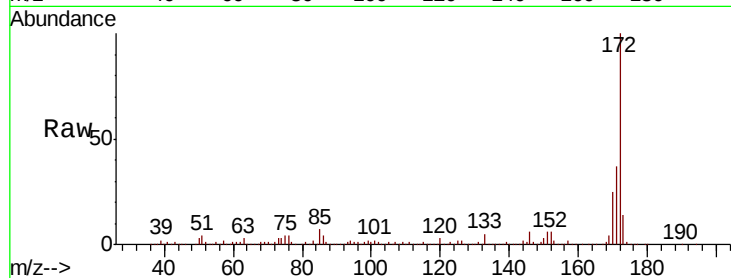
Tgt Ion:172 Resp: 1645923

Ion Ratio Lower Upper

172 100

171 36.6 29.0 43.4

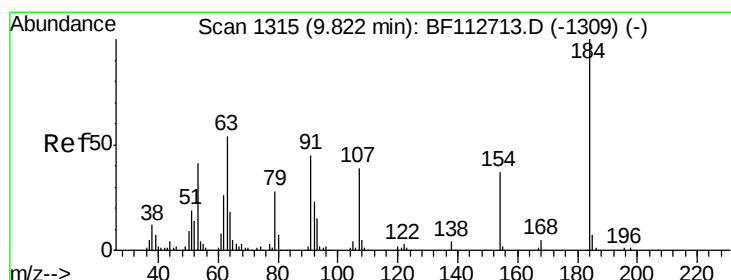
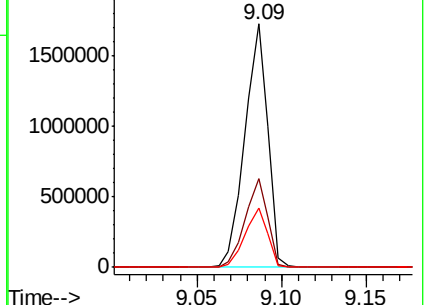
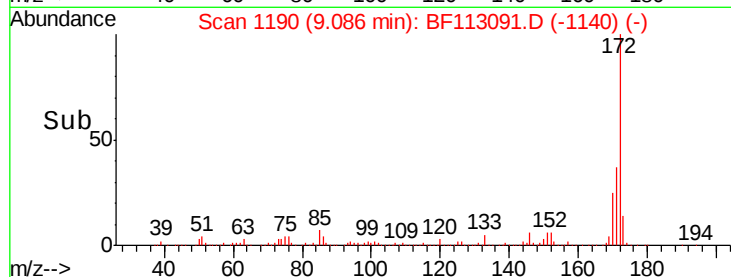
170 24.6 20.0 30.0



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



#54

2,4-Dinitrophenol

Concen: 7.006 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.05 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

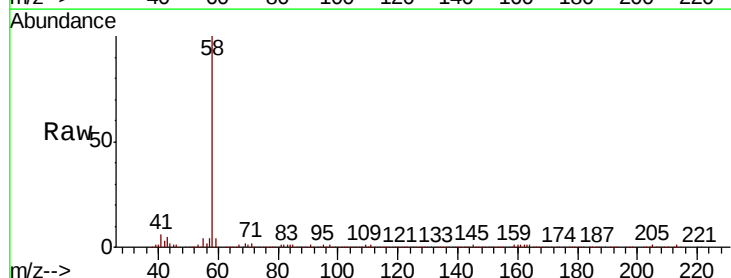
Tgt Ion:184 Resp: 1155

Ion Ratio Lower Upper

184 100

63 85.2 45.3 67.9#

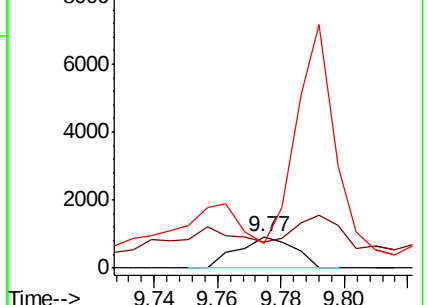
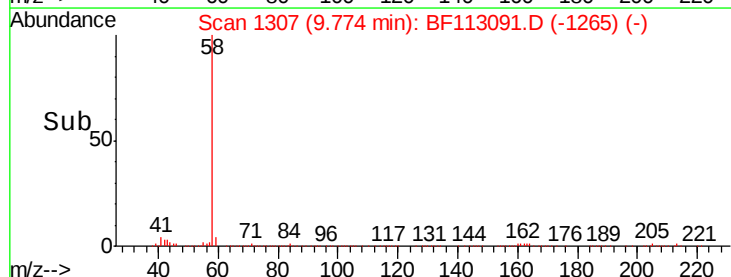
154 78.7 46.0 69.0#

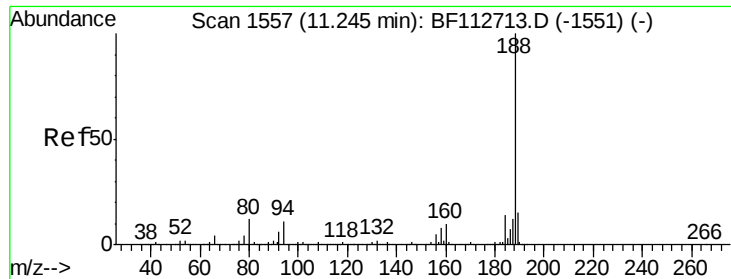


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

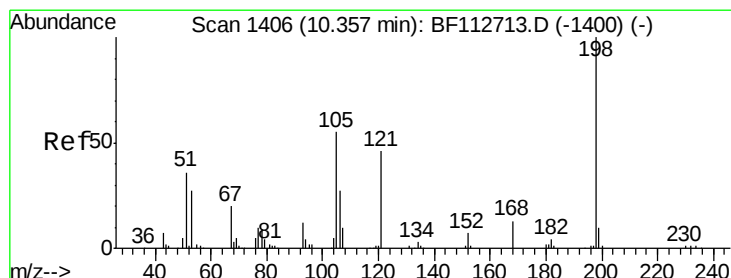
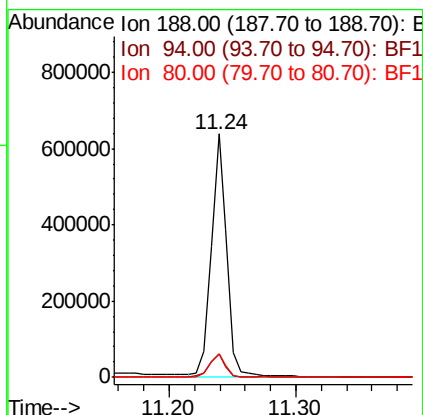
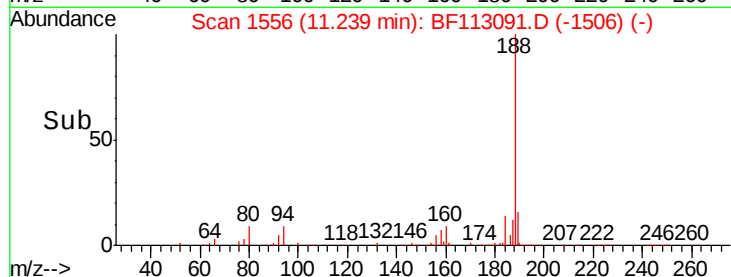
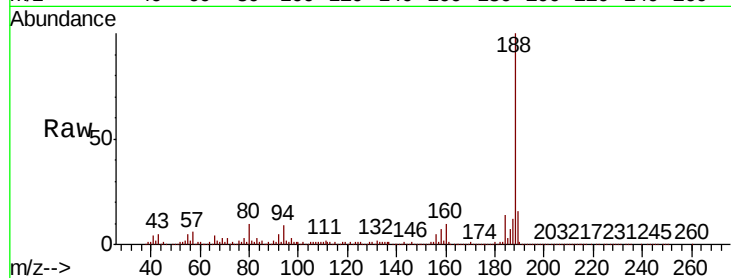




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

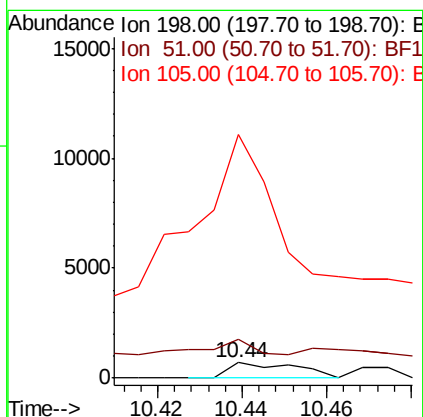
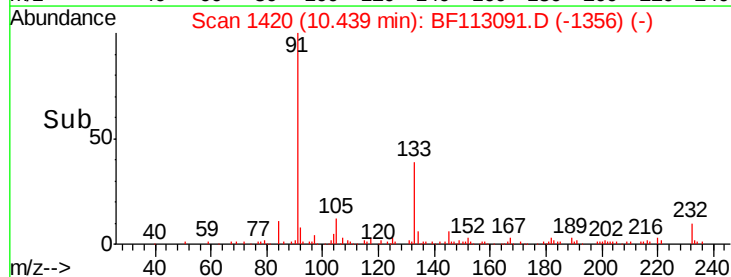
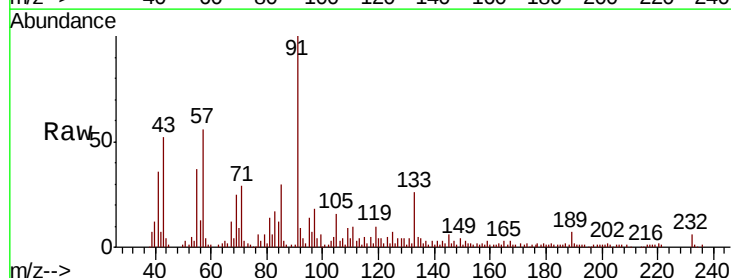
Instrument :
BNA_F
ClientSampleId :
OWS

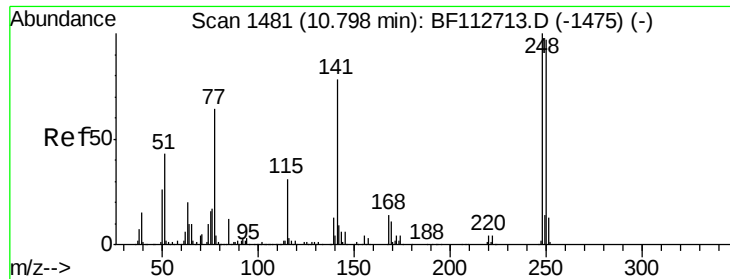
Tgt Ion:188 Resp: 547300
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 9.6 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.923 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.08 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Tgt Ion:198 Resp: 771
Ion Ratio Lower Upper
198 100
51 250.5 43.8 83.8#
105 1589.4 36.5 76.5#

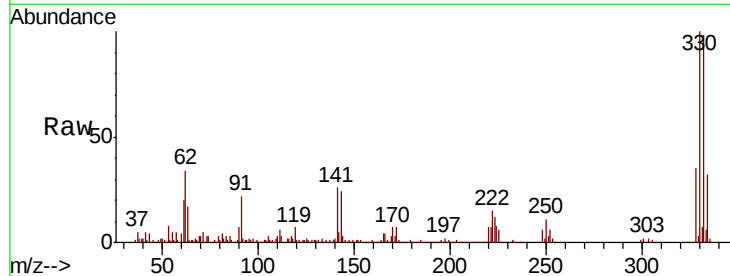




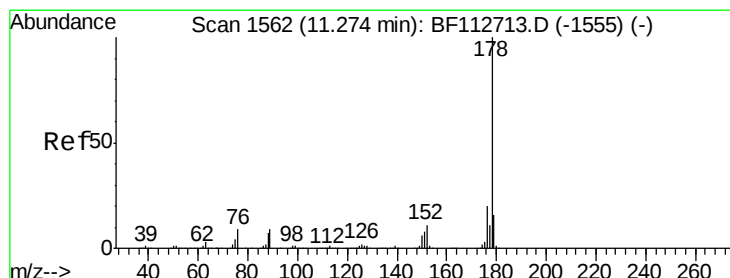
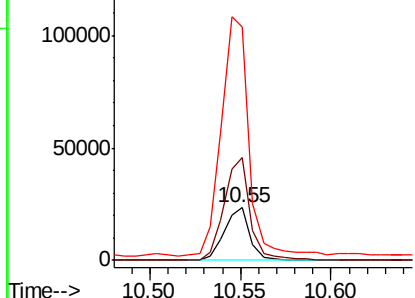
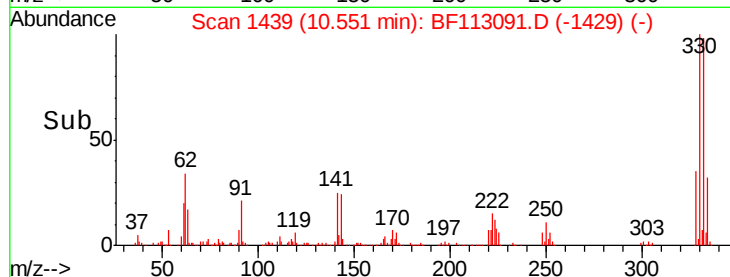
#67
 4-Bromophenyl-phenylether
 Concen: 3.992 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF113091.D
 Acq: 18 Mar 2019 15:38

Instrument :
 BNA_F
 ClientSampleId :
 OWS

Tgt Ion:248 Resp: 23012
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.5 116.3#
 141 446.4 62.4 93.6#

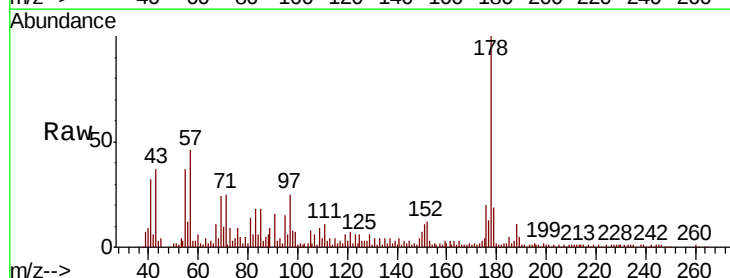


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

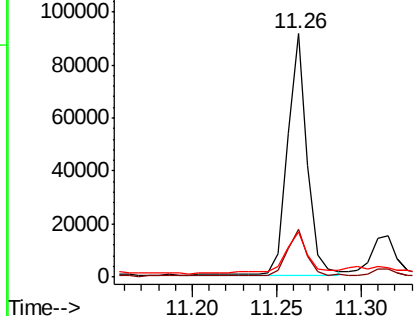
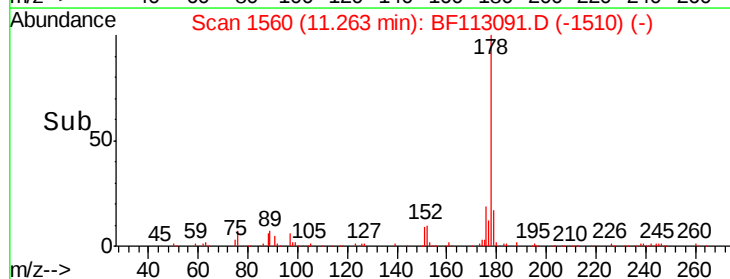


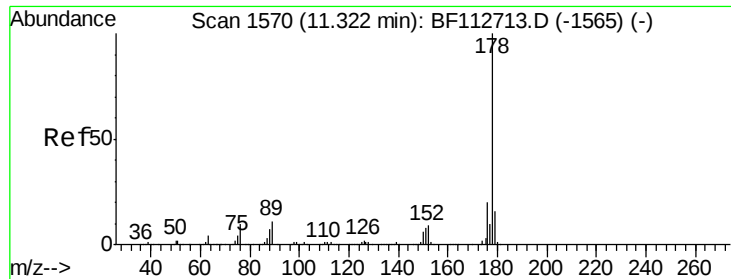
#71
 Phenanthrene
 Concen: 2.701 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF113091.D
 Acq: 18 Mar 2019 15:38

Tgt Ion:178 Resp: 73542
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.3 24.5
 179 18.8 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





#72

Anthracene

Concen: 2.580 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.06 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

Instrument :

BNA_F

ClientSampleId :

OWS

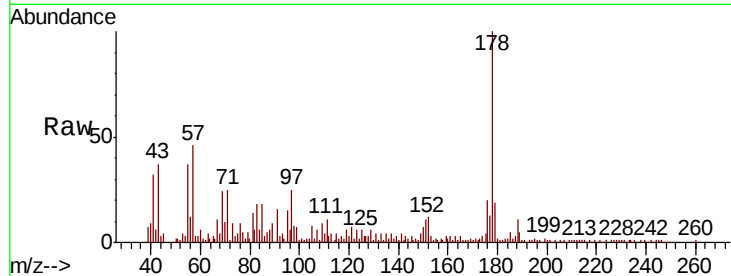
Tgt Ion:178 Resp: 73542

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.6

179 18.8 13.0 19.6

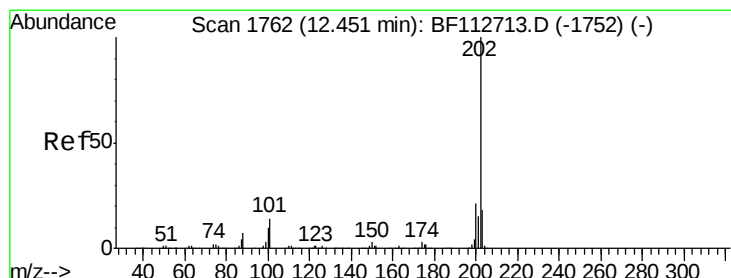
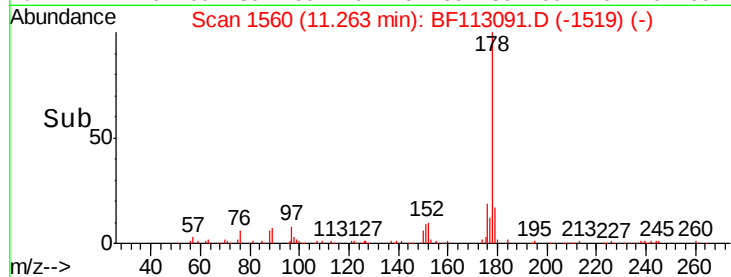
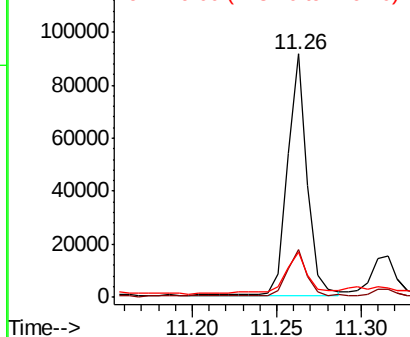


Abundance

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: 2.131 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

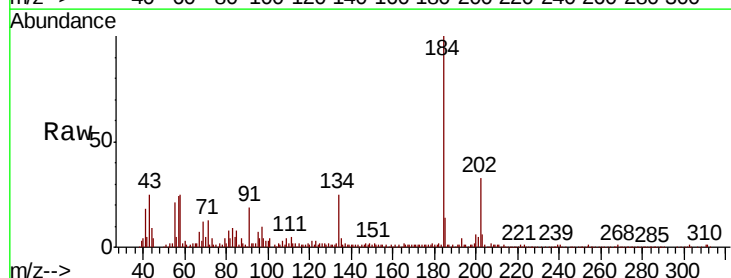
Tgt Ion:202 Resp: 62180

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.8

203 17.7 0.0 38.4

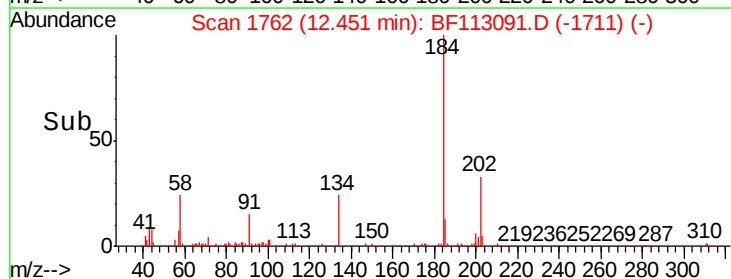
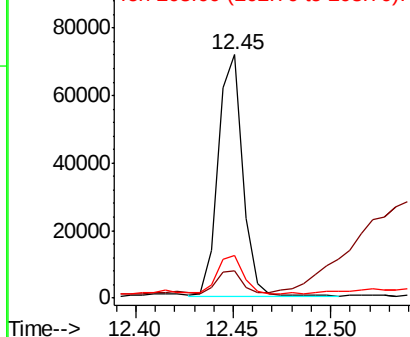


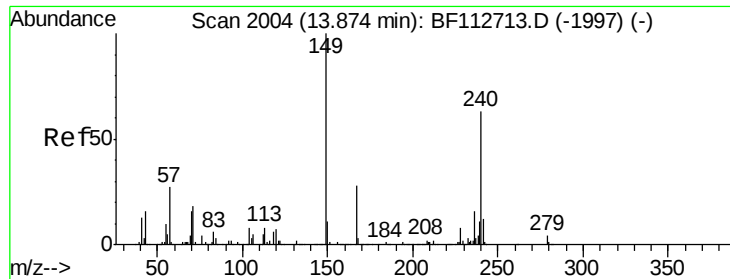
Abundance

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

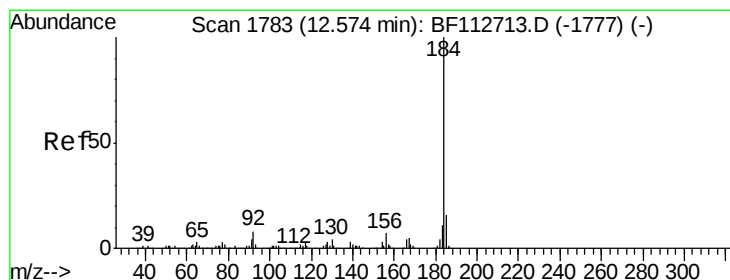
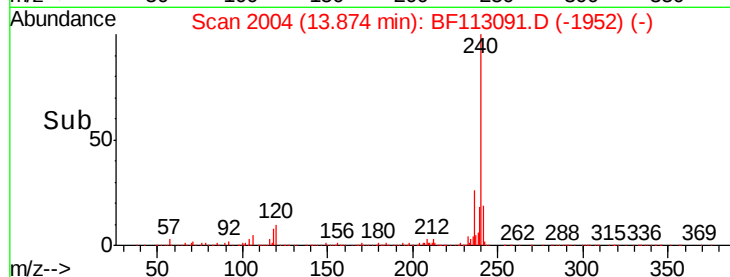
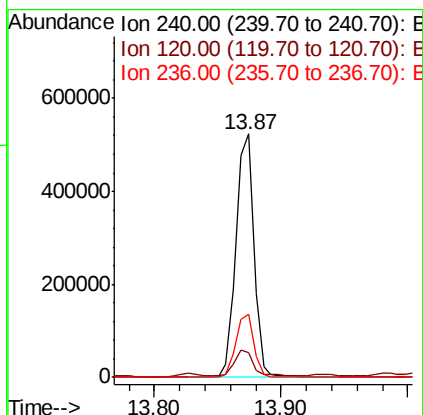
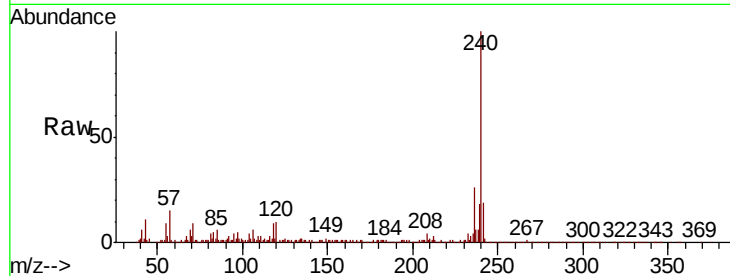




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

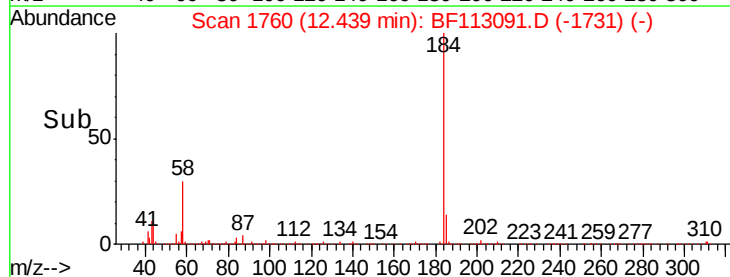
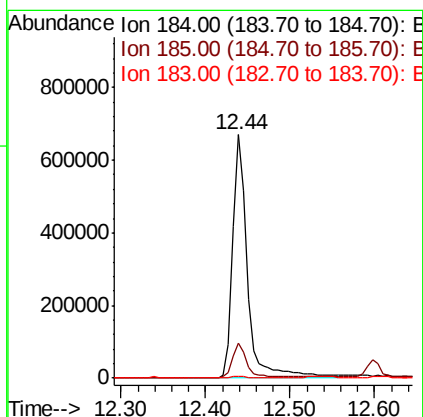
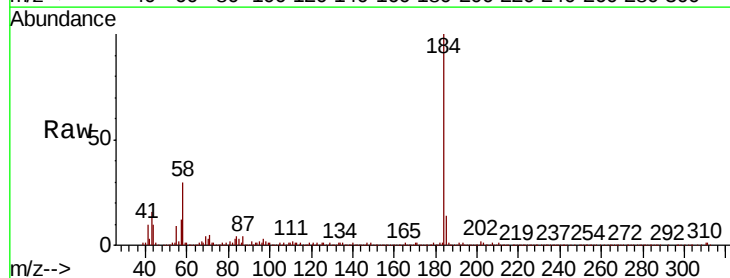
Instrument :
BNA_F
ClientSampleId :
OWS

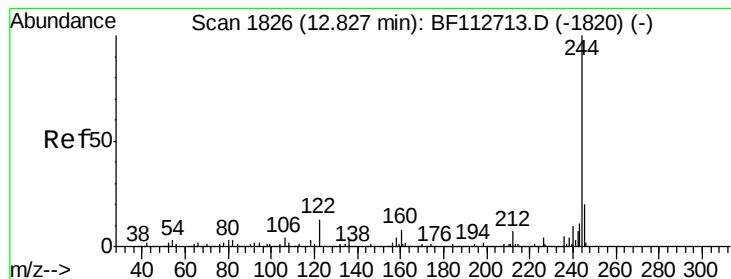
Tgt Ion:240 Resp: 505162
Ion Ratio Lower Upper
240 100
120 10.2 8.9 13.3
236 26.1 20.7 31.1



#77
Benzidine
Concen: 30.602 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.13 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Tgt Ion:184 Resp: 802027
Ion Ratio Lower Upper
184 100
185 14.3 12.6 18.8
183 0.8 8.6 12.8#





#79

Terphenyl-d14

Concen: 59.745 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

Instrument :

BNA_F

ClientSampleId :

OWS

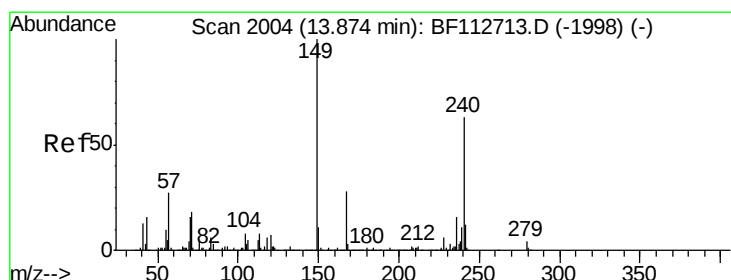
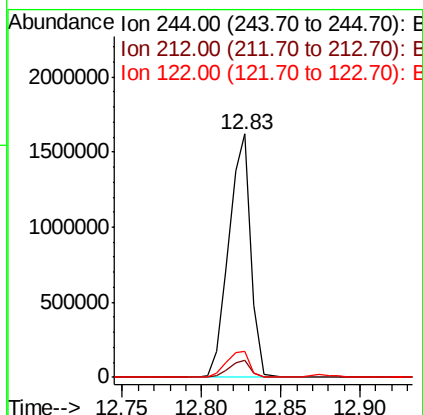
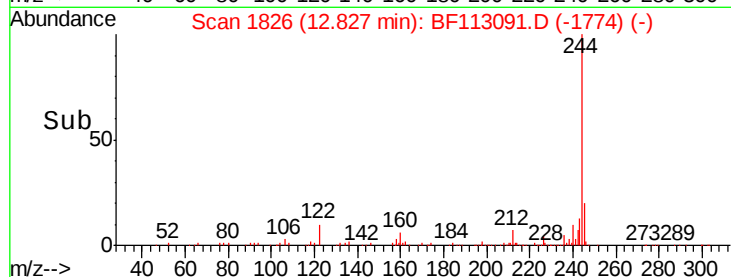
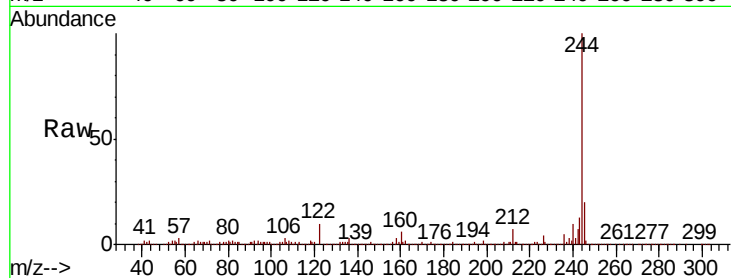
Tgt Ion:244 Resp: 1556913

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.5 10.5 15.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.947 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.01 min

Lab File: BF113091.D

Acq: 18 Mar 2019 15:38

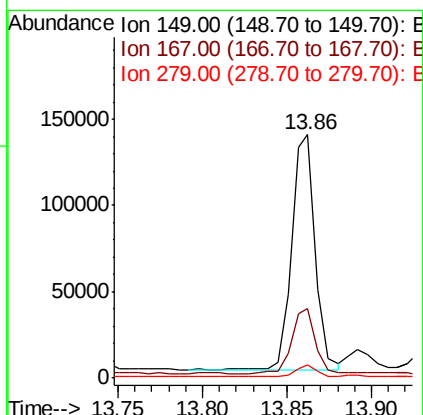
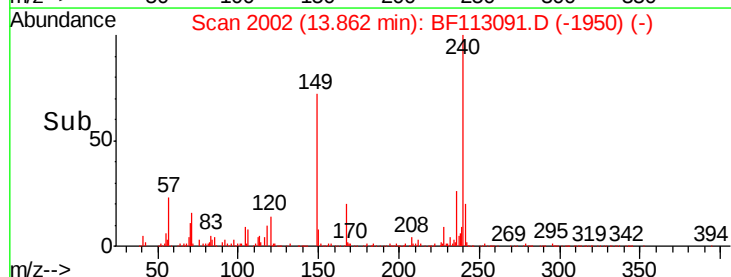
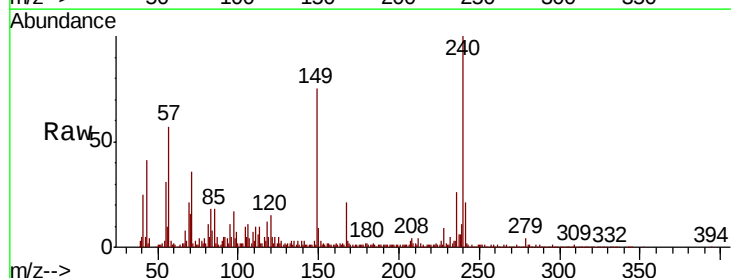
Tgt Ion:149 Resp: 131124

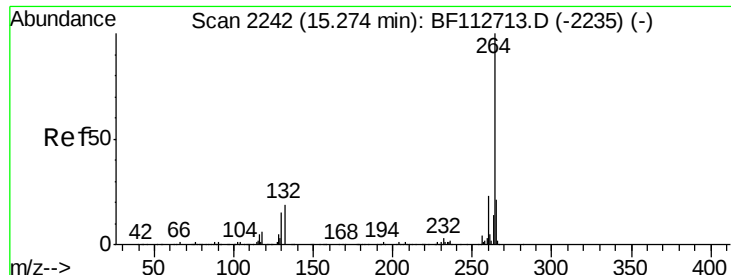
Ion Ratio Lower Upper

149 100

167 28.3 22.4 33.6

279 5.5 3.3 4.9#

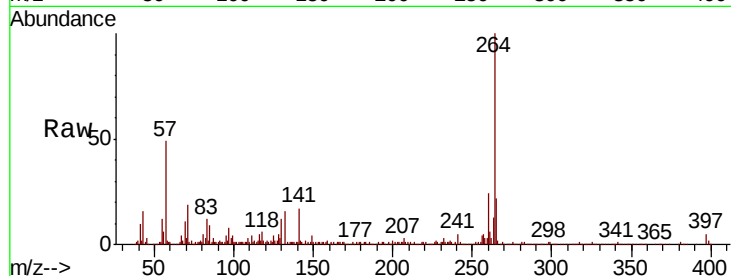




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF113091.D
Acq: 18 Mar 2019 15:38

Instrument :
BNA_F
ClientSampleId :
OWS

Tgt Ion:	264	Resp:	504368
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	21.8	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

