

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012819\
 Data File : BF112284.D
 Acq On : 28 Jan 2019 19:39
 Operator : JU/SJ
 Sample : K1011-09 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-A

Quant Time: Jan 29 00:07:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

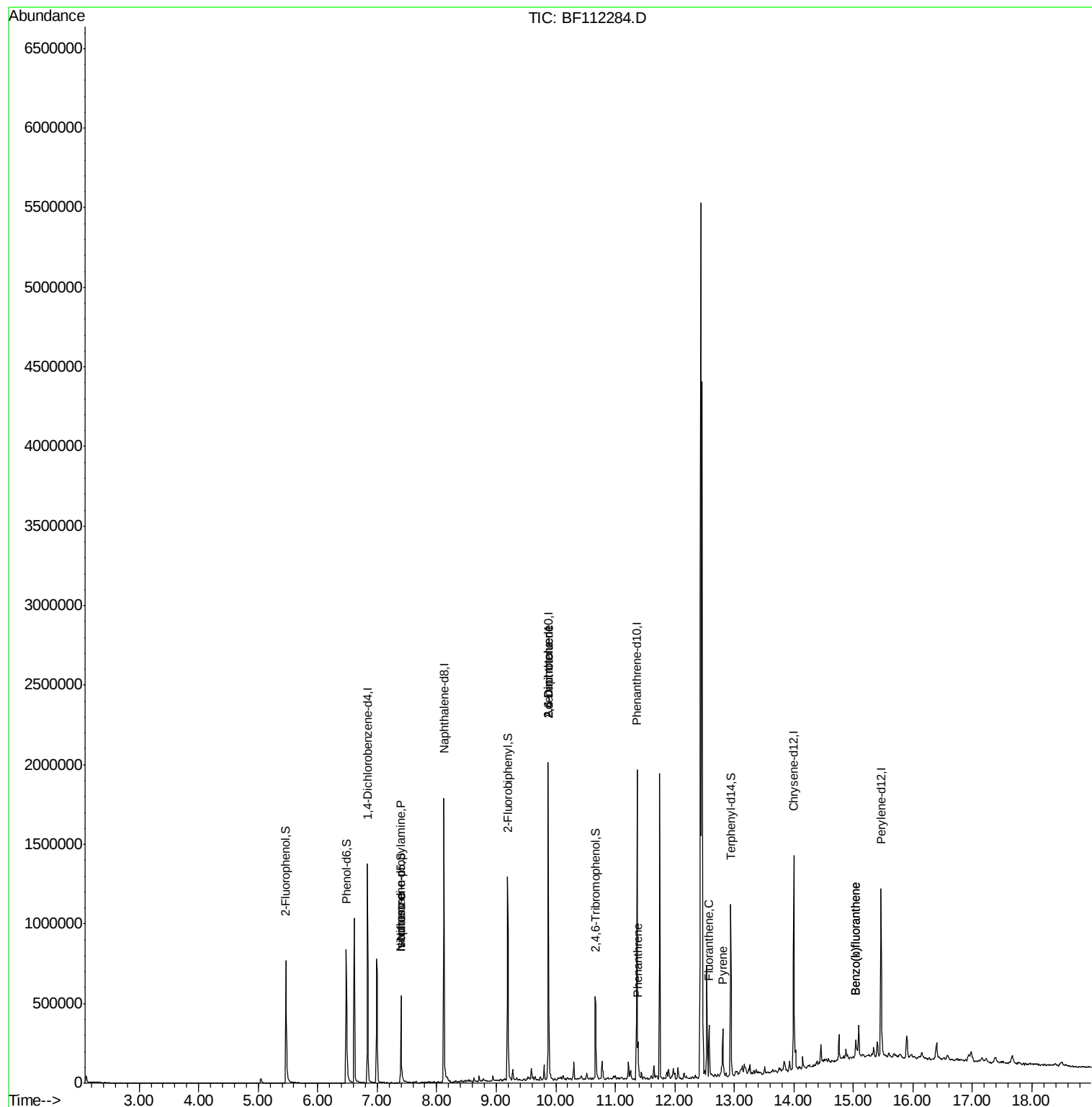
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	213254	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	851339	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	396726	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	683510	20.00	ng	0.00
76) Chrysene-d12	14.00	240	454394	20.00	ng	-0.01
87) Perylene-d12	15.46	264	420429	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	254227	25.32	ng	-0.01
7) Phenol-d6	6.48	99	320257	22.96	ng	-0.01
23) Nitrobenzene-d5	7.40	82	196132	13.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	77132	16.70	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	415165	14.80	ng	-0.01
79) Terphenyl-d14	12.94	244	326568	13.54	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	26025	2.705	ng	# 74
25) Isophorone	7.40	82	196130	8.462	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	51656	7.483	ng	# 34
57) 2,4-Dinitrotoluene	9.87	165	51656	5.878	ng	# 31
71) Phenanthrene	11.39	178	83481	2.349	ng	94
75) Fluoranthene	12.57	202	124172	3.258	ng	98
78) Pyrene	12.80	202	114916	3.653	ng	97
88) Benzo(b)fluoranthene	15.04	252	73901	2.939	ng	96
89) Benzo(k)fluoranthene	15.04	252	73901	3.068	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112284.D

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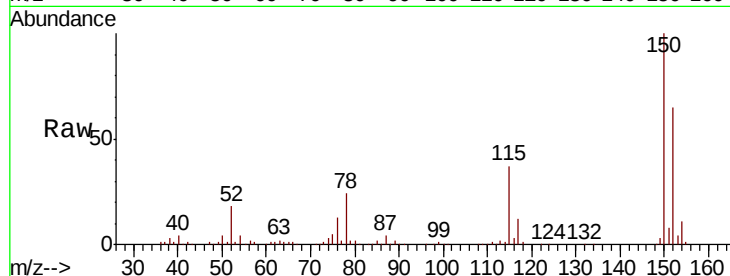
Tgt Ion:152 Resp: 213254

Ion Ratio Lower Upper

152 100

150 154.2 127.4 191.0

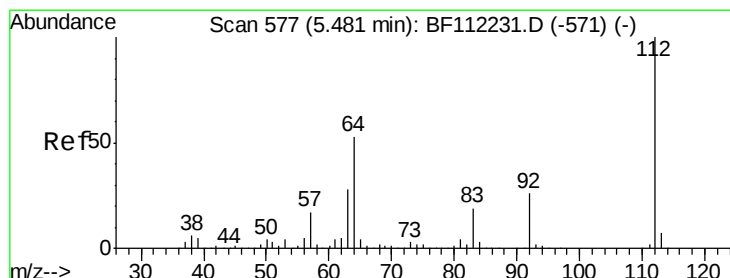
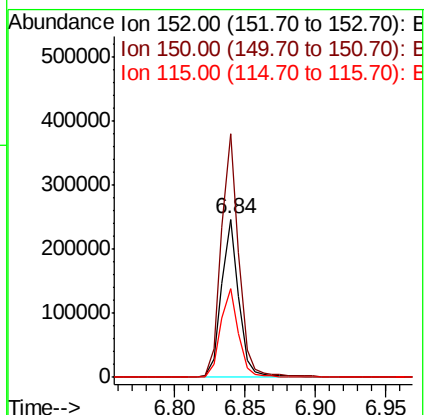
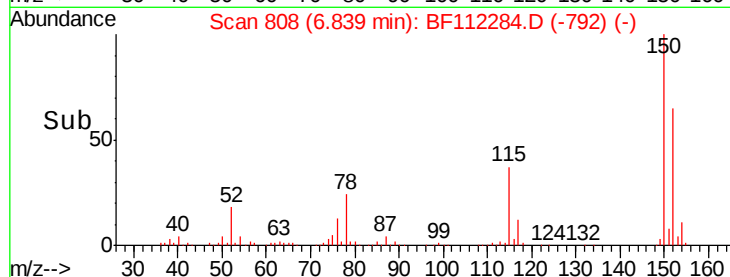
115 56.3 45.5 68.3



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: 25.322 ng

RT: 5.47 min Scan# 575

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

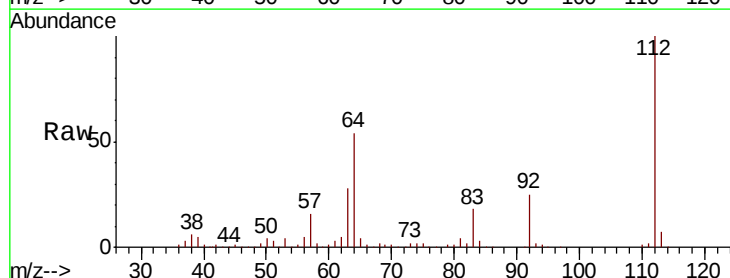
Tgt Ion:112 Resp: 254227

Ion Ratio Lower Upper

112 100

64 53.9 45.7 68.5

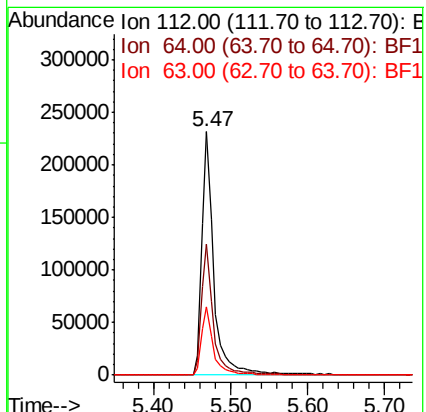
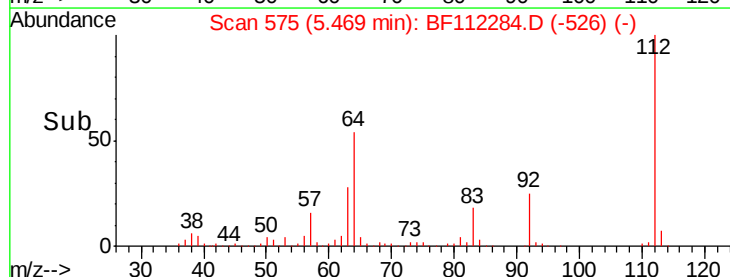
63 28.1 23.6 35.4



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: 22.956 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

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ClientSampleId :

OR-01-012519-A

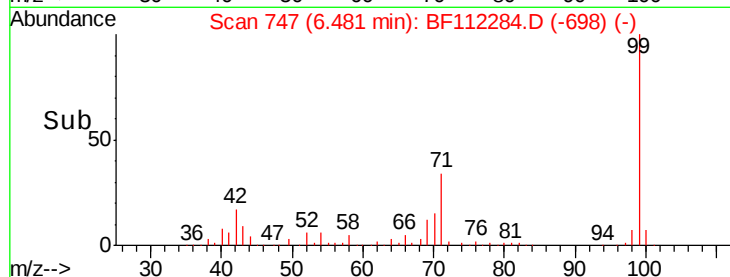
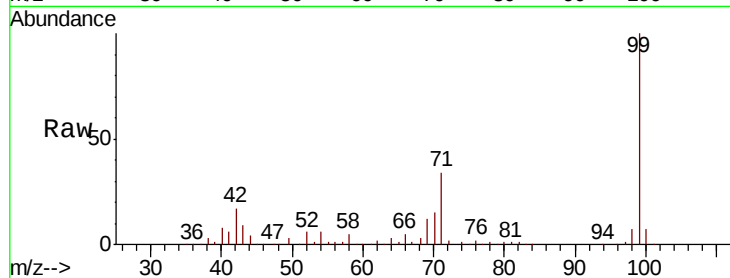
Tgt Ion: 99 Resp: 320257

Ion Ratio Lower Upper

99 100

42 16.9 15.1 22.7

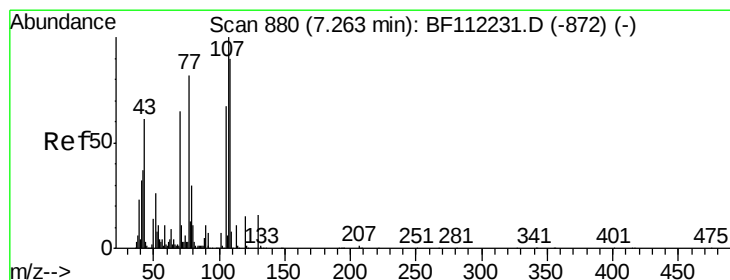
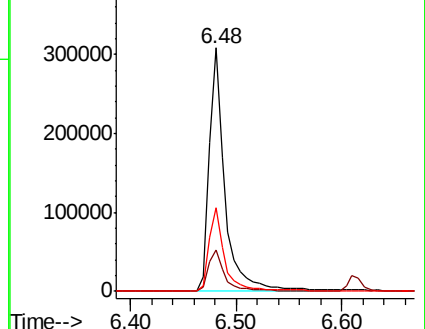
71 34.4 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.705 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Tgt Ion: 70 Resp: 26025

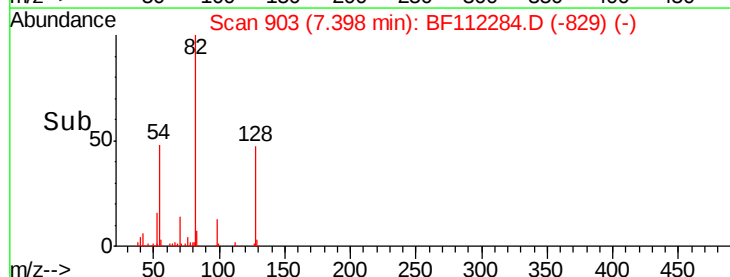
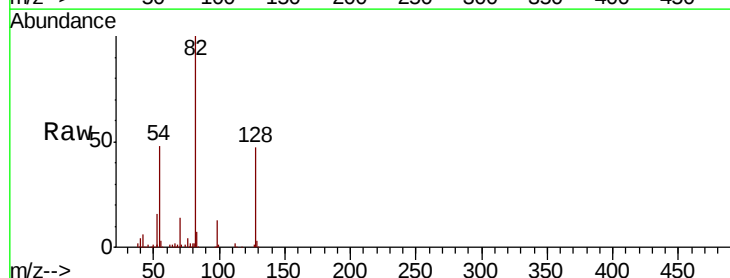
Ion Ratio Lower Upper

70 100

42 45.4 47.6 71.4#

101 0.0 7.9 11.9#

130 2.2 18.4 27.6#

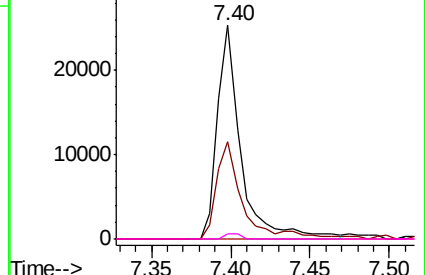


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

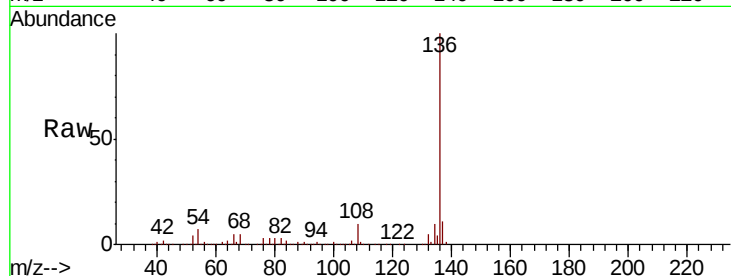




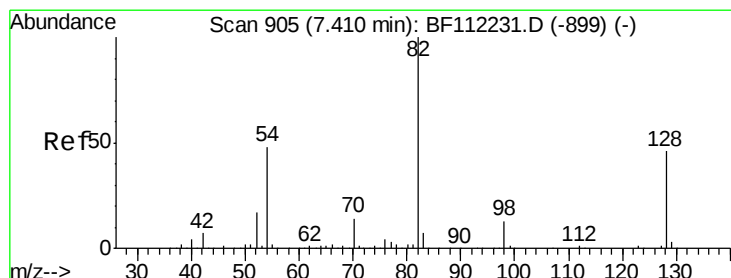
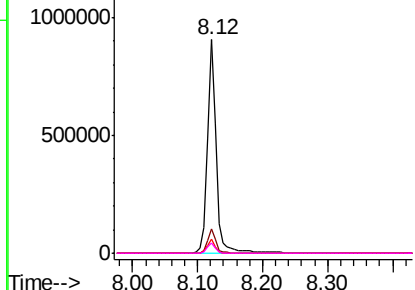
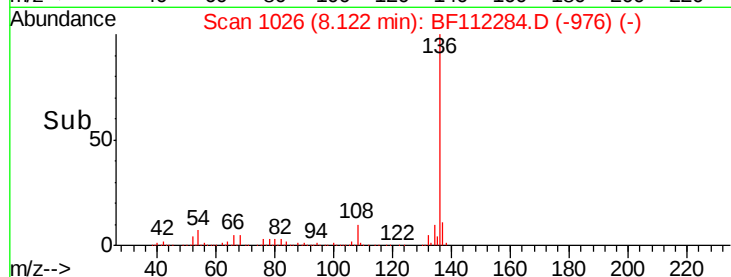
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Instrument :
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ClientSampleId :
OR-01-012519-A

Tgt Ion:	136	Resp:	851339
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.8	5.9	8.9
68	4.9	5.1	7.7#

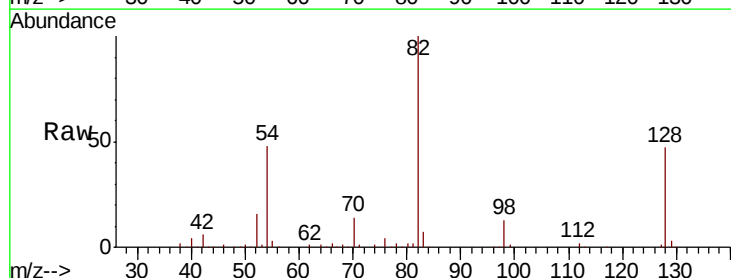


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

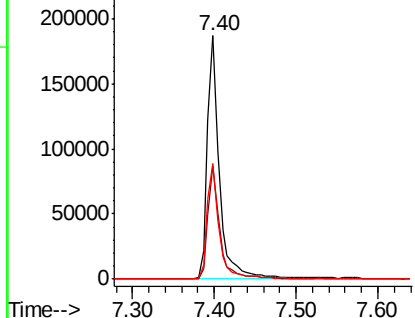
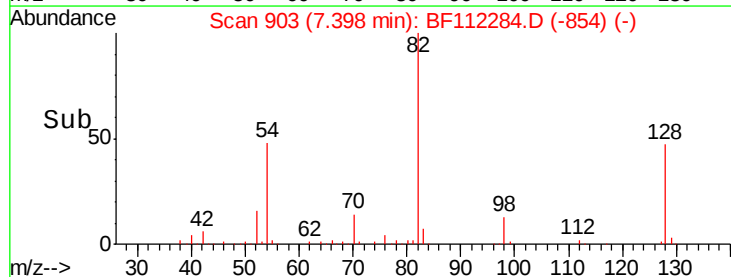


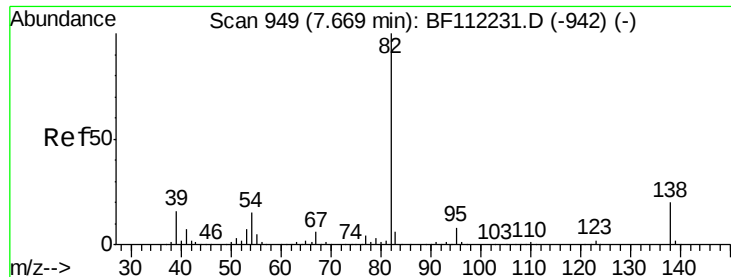
#23
Nitrobenzene-d5
Concen: 13.274 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Tgt Ion:	82	Resp:	196132
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.8	56.8
54	47.7	39.7	59.5



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





#25

Isophorone

Concen: 8.462 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-A

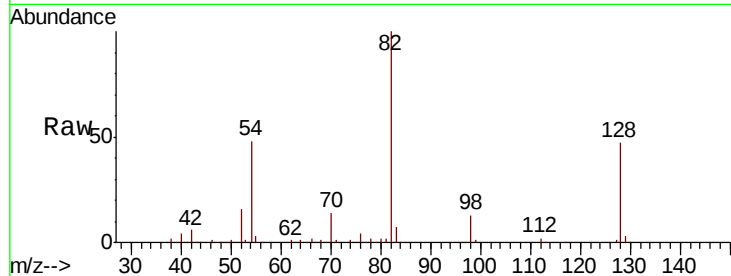
Tgt Ion: 82 Resp: 196130

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

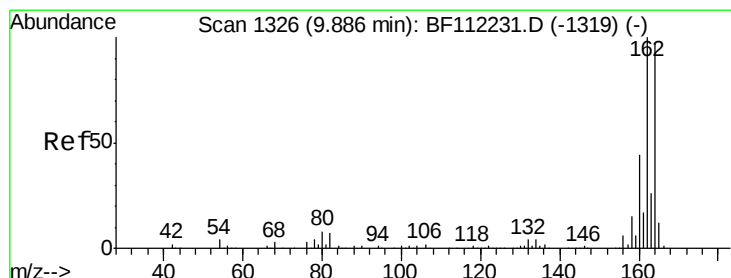
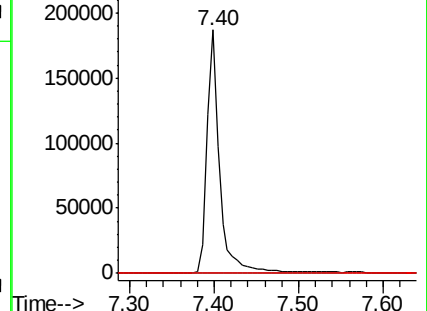
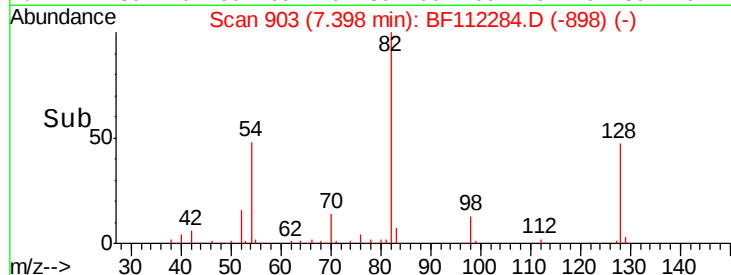
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

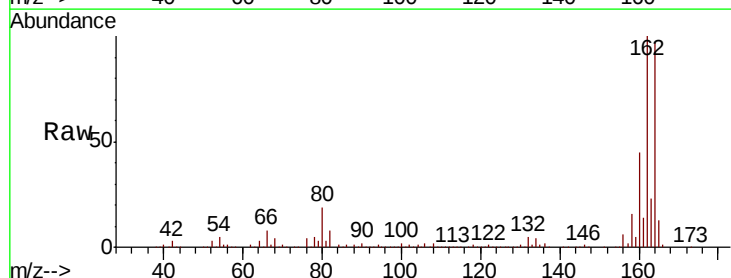
Tgt Ion: 164 Resp: 396726

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.4

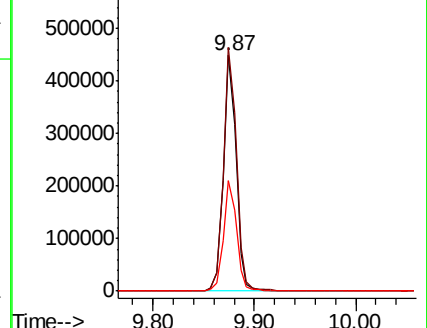
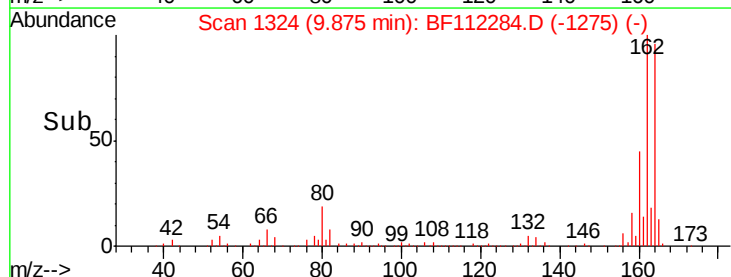
160 46.8 36.2 54.4



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: 16.703 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-A

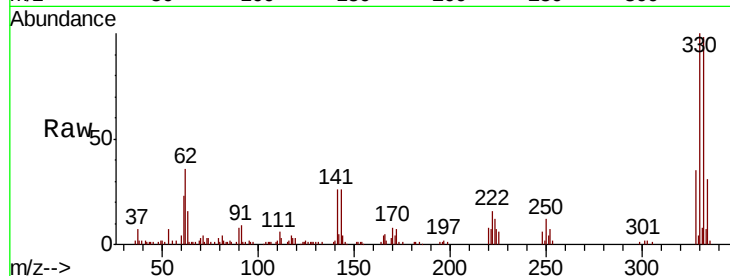
Tgt Ion:330 Resp: 77132

Ion Ratio Lower Upper

330 100

332 95.6 76.6 114.8

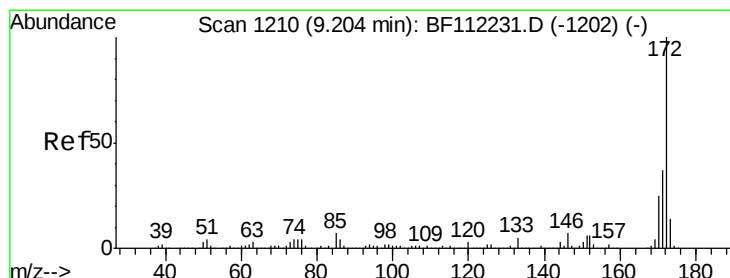
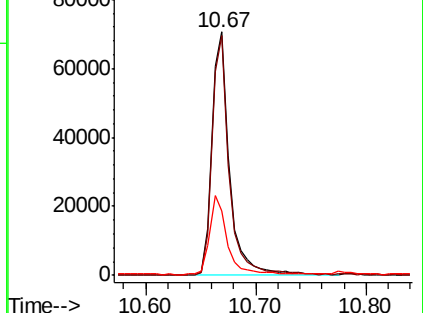
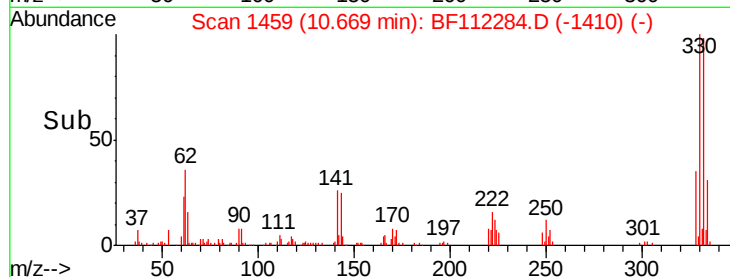
141 33.8 24.3 36.5



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: 14.801 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

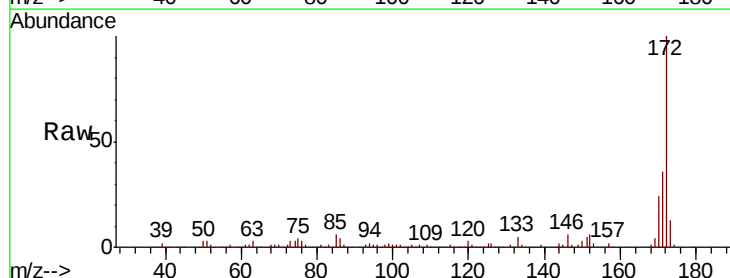
Tgt Ion:172 Resp: 415165

Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

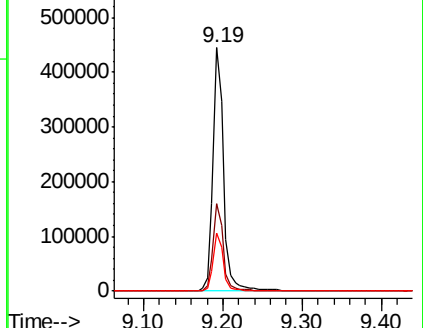
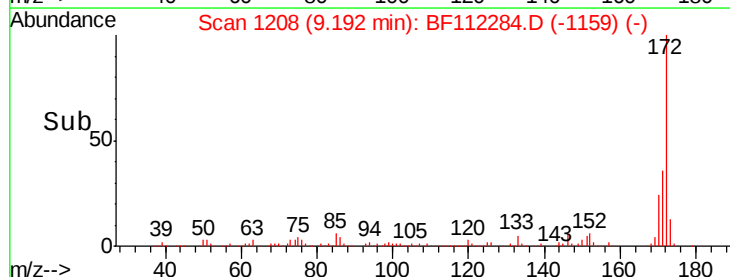
170 23.6 20.2 30.4

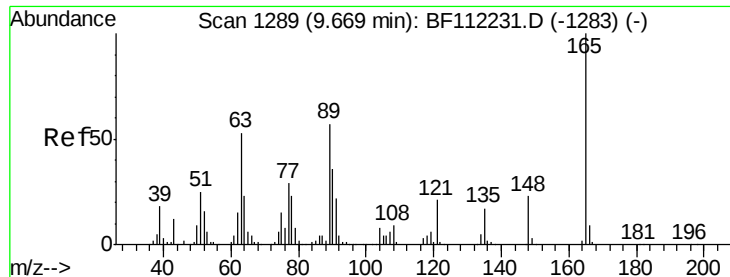


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

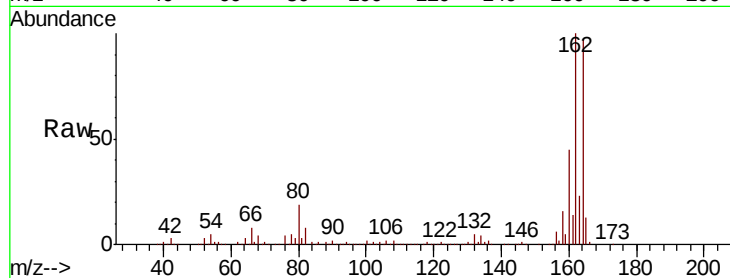




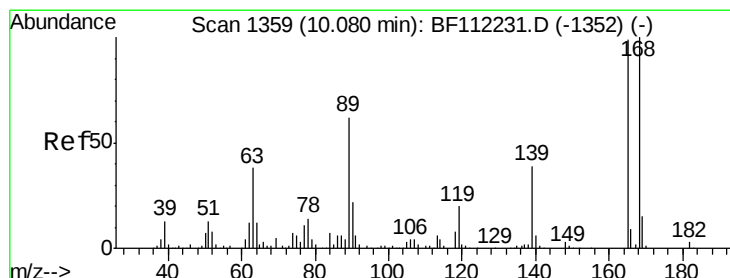
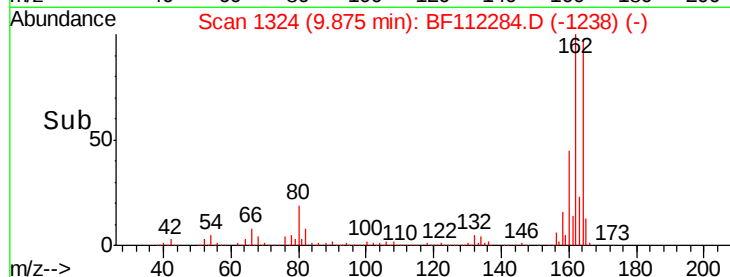
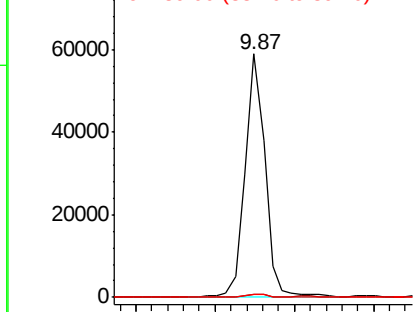
#51
 2,6-Dinitrotoluene
 Concen: 7.483 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.21 min
 Lab File: BF112284.D
 Acq: 28 Jan 2019 19:39

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.8	50.8#
89	1.3	36.9	55.3#

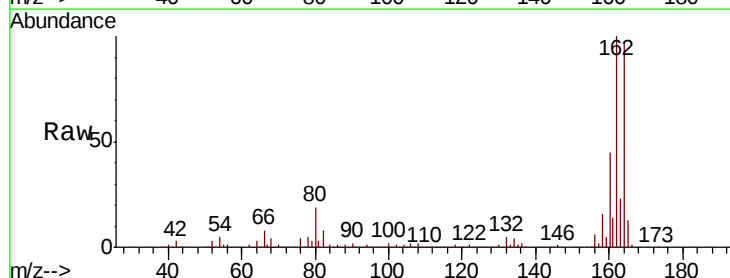


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

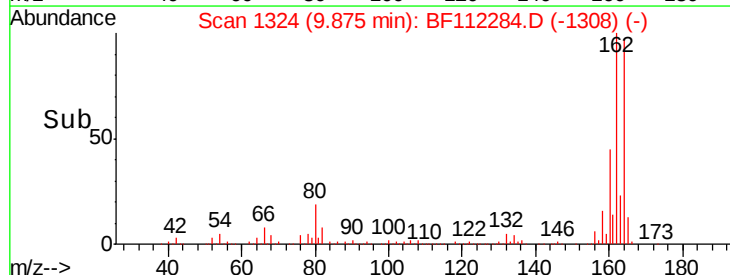
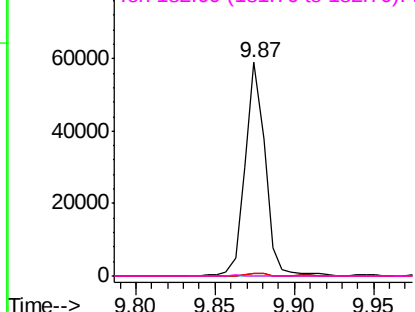


#57
 2,4-Dinitrotoluene
 Concen: 5.878 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF112284.D
 Acq: 28 Jan 2019 19:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.3	47.9	71.9#
182	0.0	2.2	3.4#



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

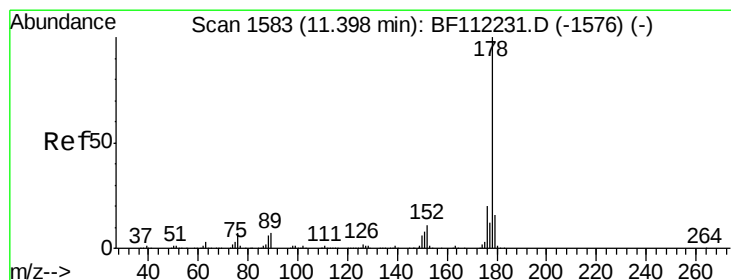
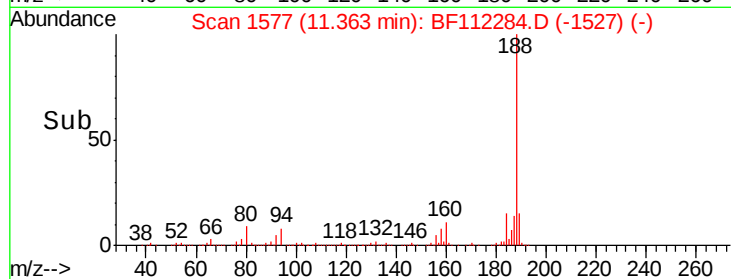
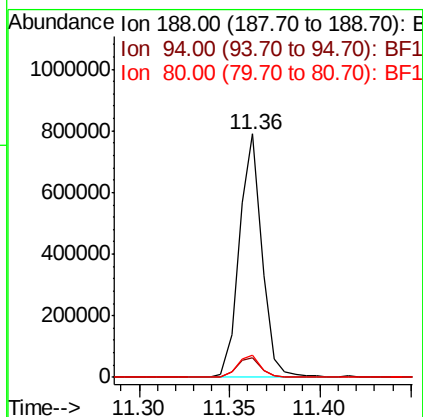
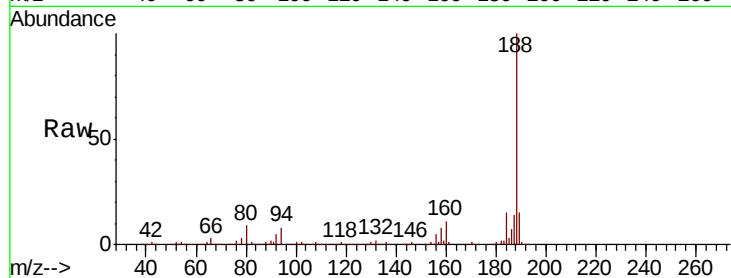




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

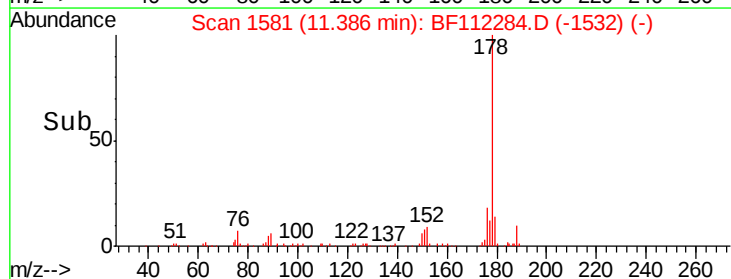
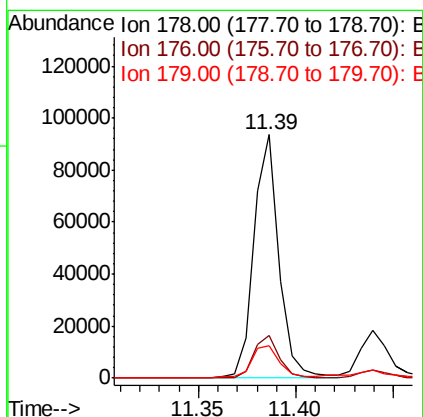
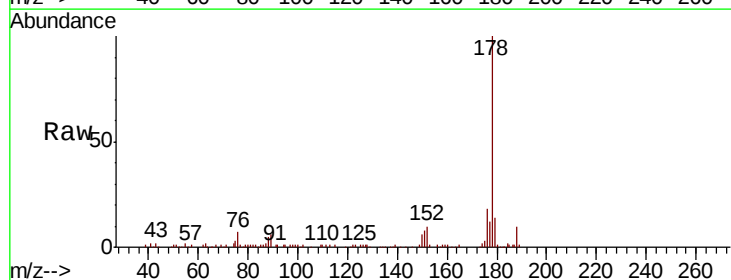
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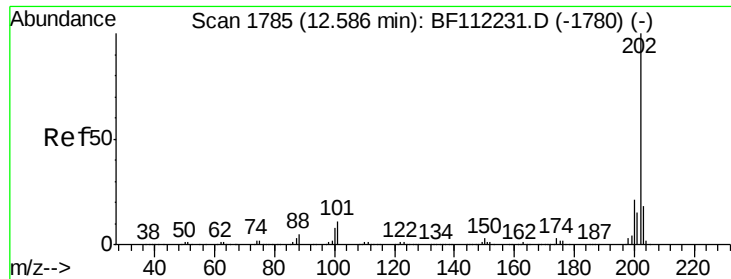
Tgt Ion:188 Resp: 683510
Ion Ratio Lower Upper
188 100
94 8.3 8.2 12.2
80 8.9 8.9 13.3



#71
Phenanthrene
Concen: 2.349 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112284.D
Acq: 28 Jan 2019 19:39

Tgt Ion:178 Resp: 83481
Ion Ratio Lower Upper
178 100
176 17.7 16.3 24.5
179 13.6 13.0 19.4





#75

Fluoranthene

Concen: 3.258 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

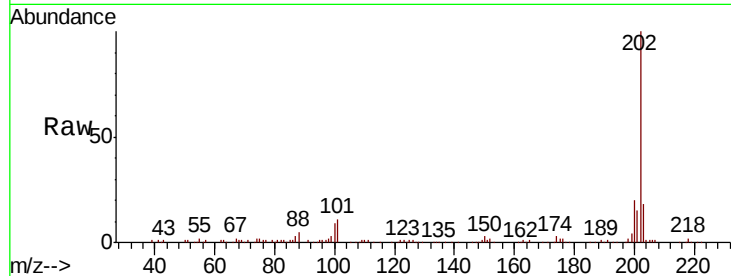
Instrument :

BNA_F

ClientSampleId :

OR-01-012519-A

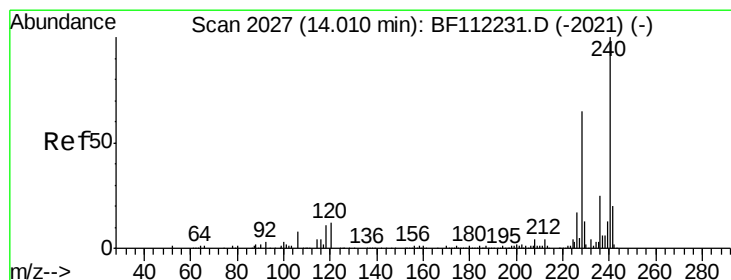
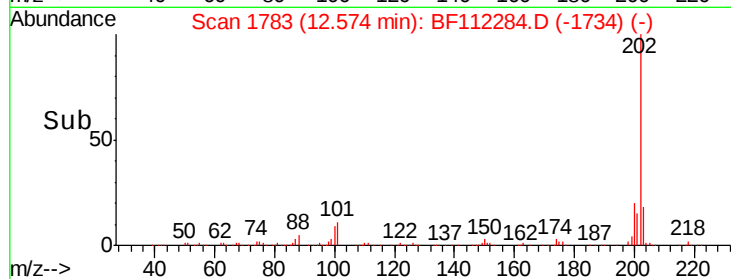
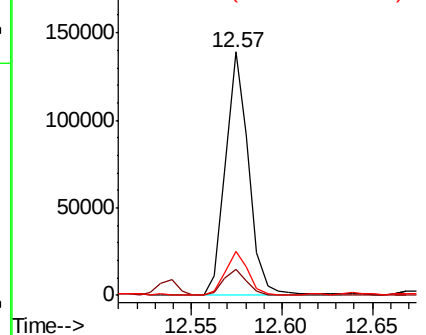
Tgt Ion:	202	Resp:	124172
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.8
203	18.0	0.0	38.4



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

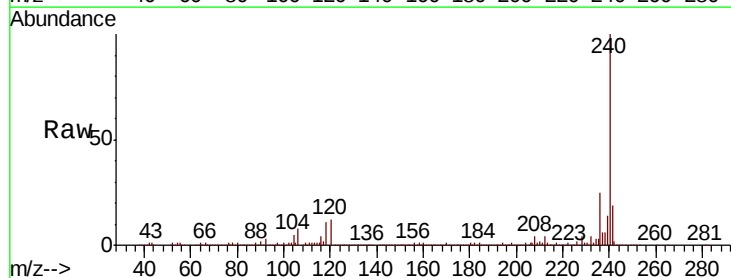
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

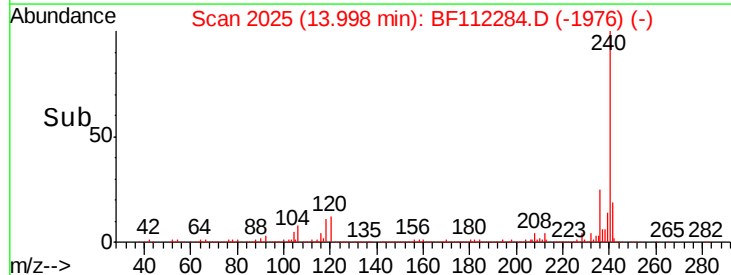
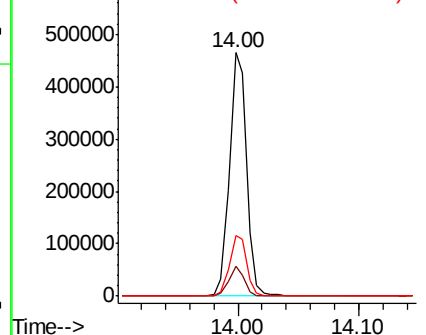
Tgt Ion:	240	Resp:	454394
Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.0	13.6
236	24.8	20.7	31.1

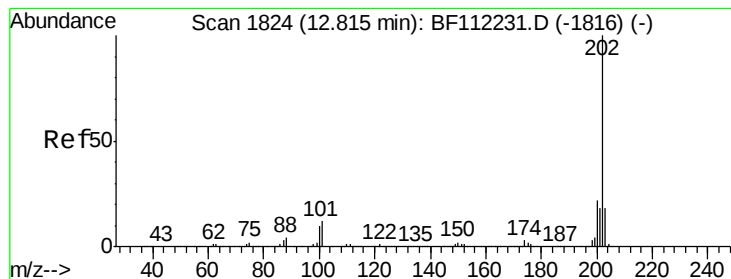


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 3.653 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-A

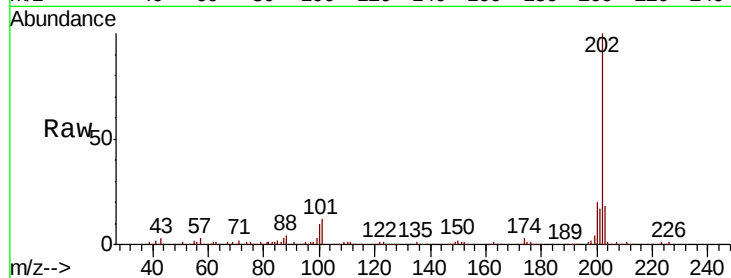
Tgt Ion:202 Resp: 114916

Ion Ratio Lower Upper

202 100

200 19.9 17.7 26.5

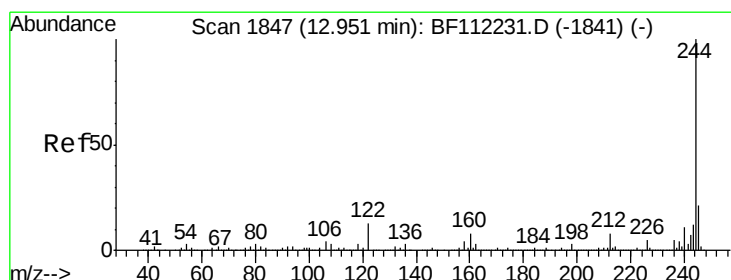
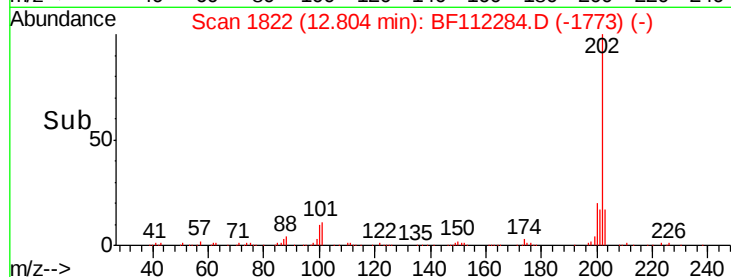
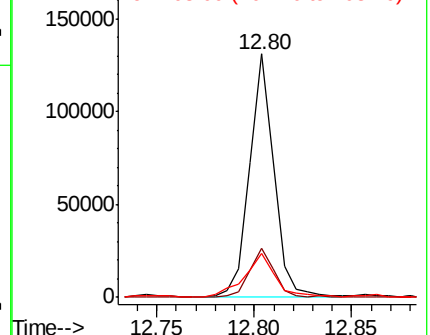
203 17.8 14.6 22.0



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: 13.536 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

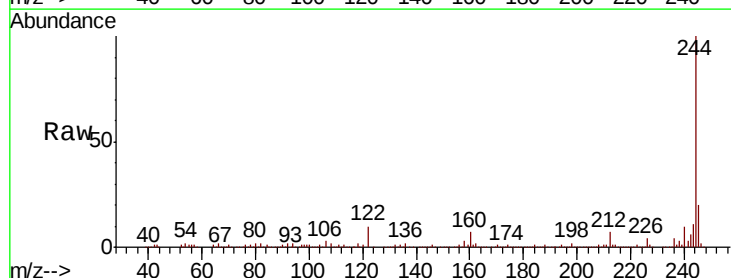
Tgt Ion:244 Resp: 326568

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

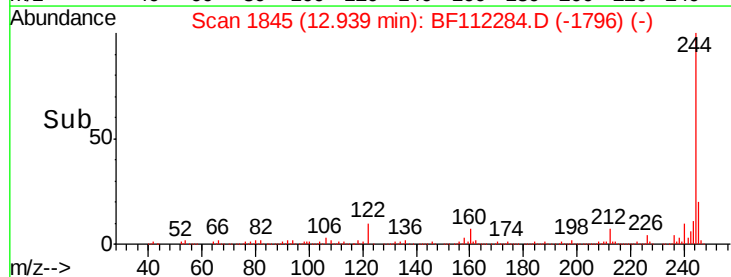
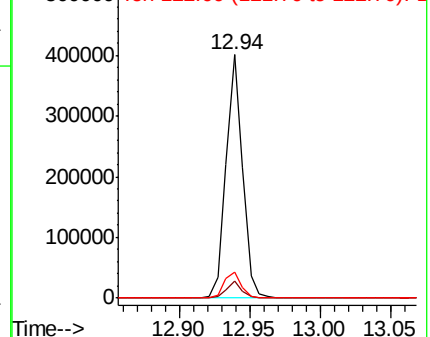
122 10.4 9.8 14.6

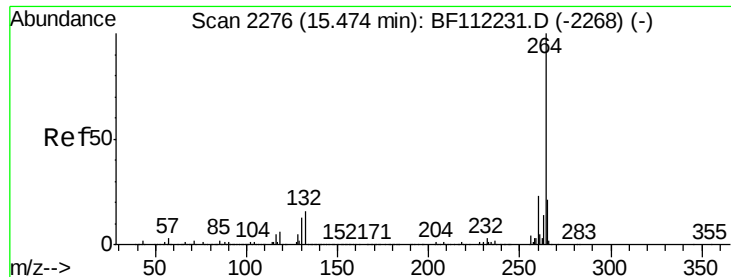


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

Instrument :

BNA_F

ClientSampleId :

OR-01-012519-A

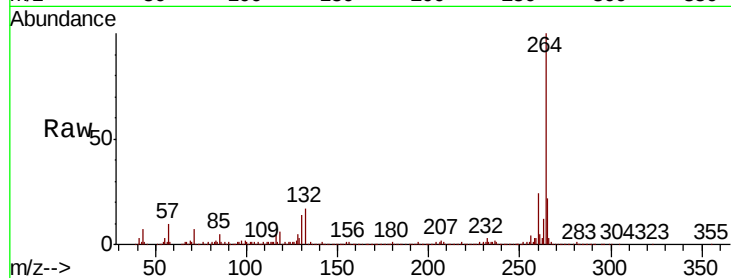
Tgt Ion:264 Resp: 420429

Ion Ratio Lower Upper

264 100

260 24.4 18.2 27.2

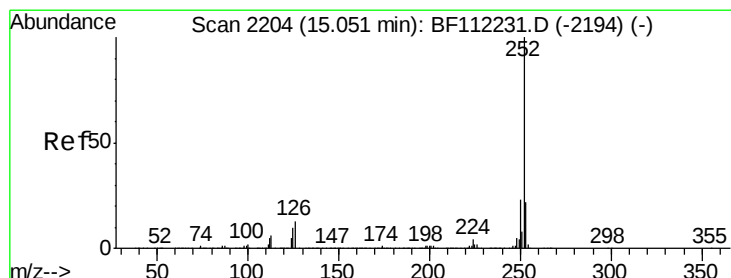
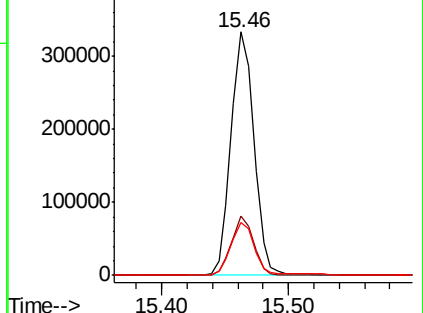
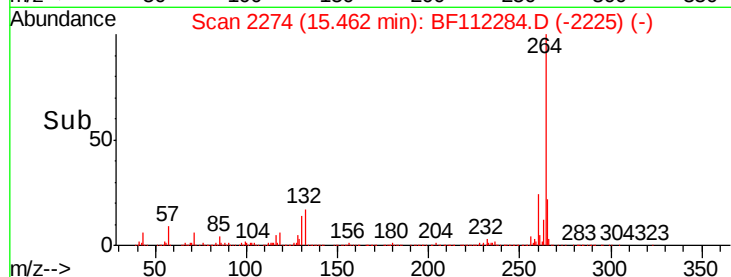
265 21.7 17.0 25.4



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: 2.939 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BF112284.D

Acq: 28 Jan 2019 19:39

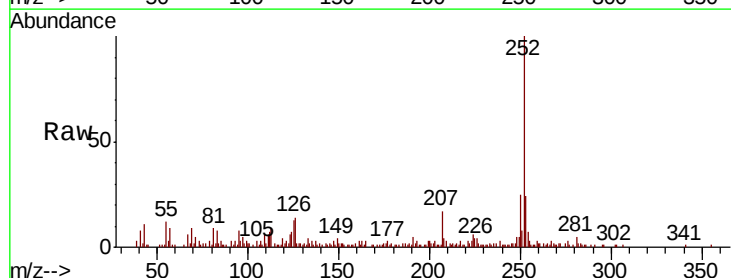
Tgt Ion:252 Resp: 73901

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

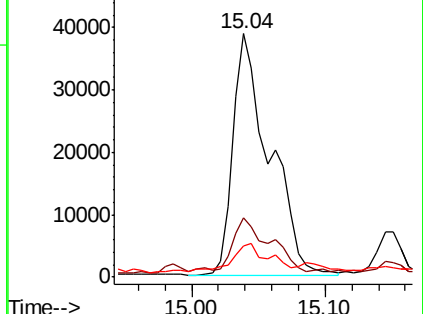
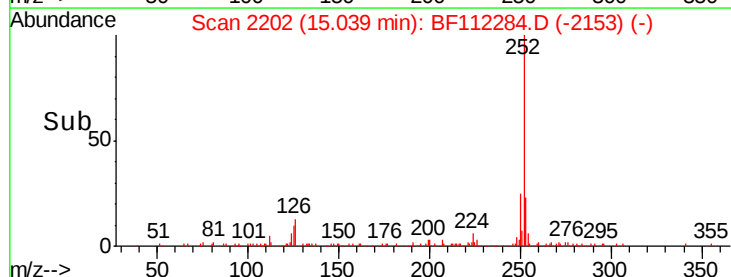
125 12.9 8.7 13.1

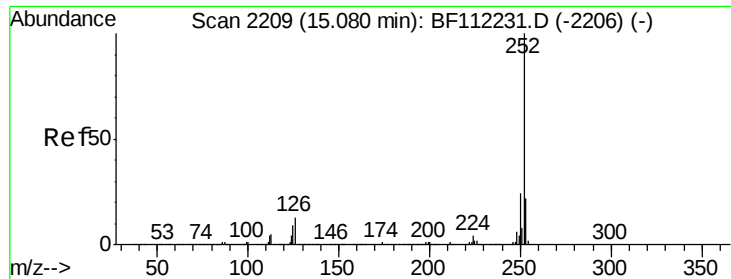


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

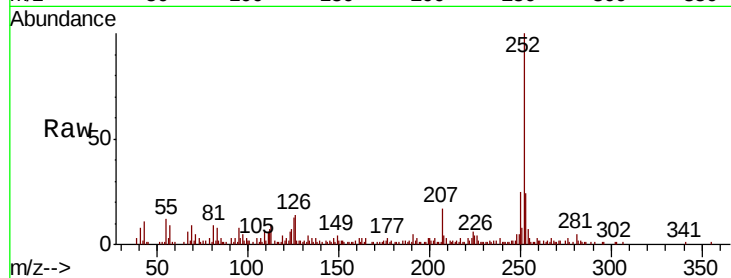




#89
 Benzo(k)fluoranthene
 Concen: 3.068 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.04 min
 Lab File: BF112284.D
 Acq: 28 Jan 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-012519-A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	12.9	9.1	13.7



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

