

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112170.D
 Acq On : 21 Jan 2019 20:35
 Operator : JU/SJ
 Sample : K1201-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

Quant Time: Jan 22 00:49:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	210110	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	804488	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	332035	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	580686	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	417065	20.00	ng	0.00
87) Perylene-d12	15.51	264	337530	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.48	112	76378	6.60	ng	-0.01
7) Phenol-d6	6.49	99	90866	6.27	ng	-0.01
23) Nitrobenzene-d5	7.41	82	132590	11.39	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	19379	5.41	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	141910	6.27	ng	-0.01
79) Terphenyl-d14	12.96	244	129797	6.62	ng	-0.01

Target Compounds

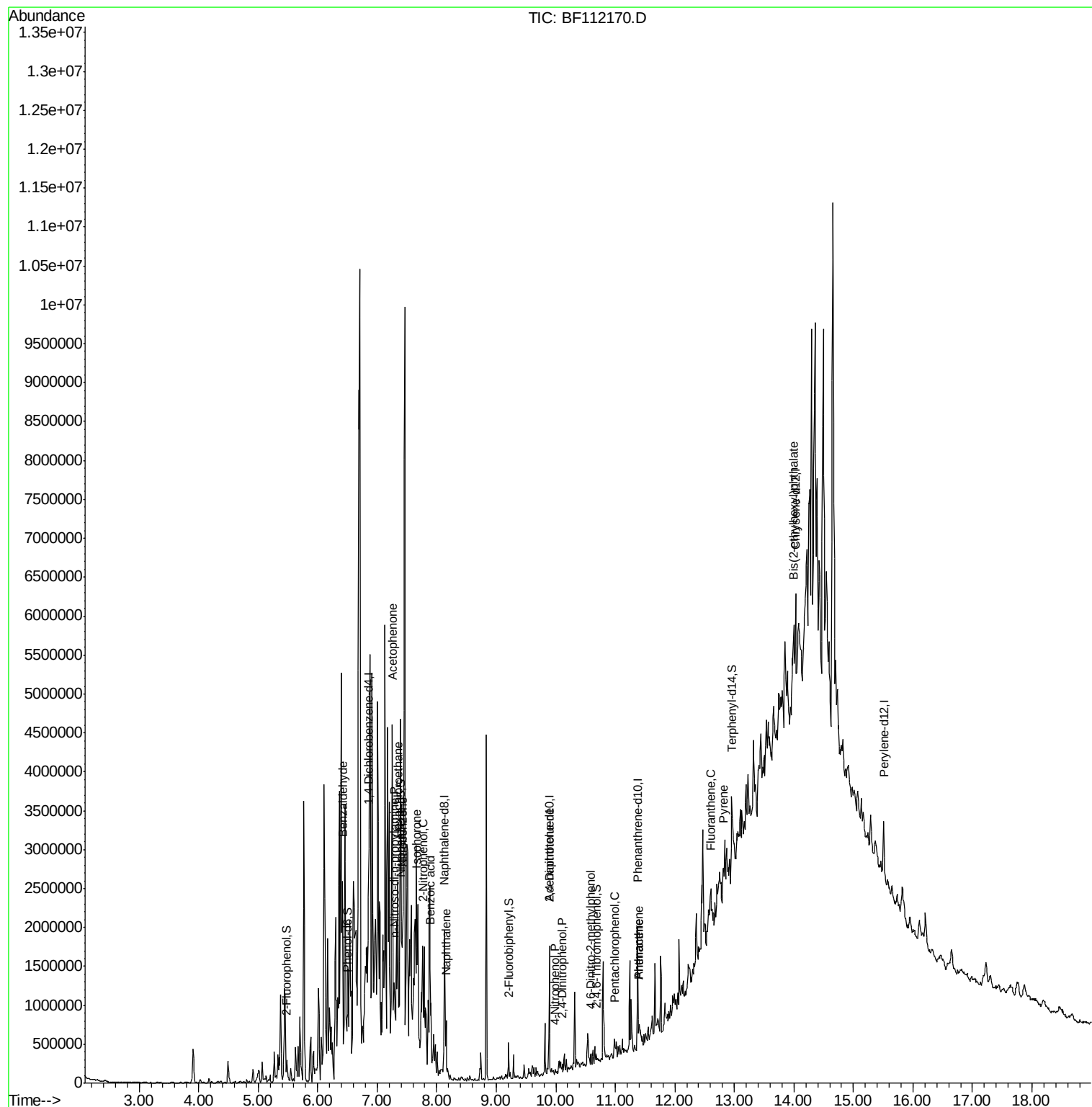
						Qvalue
9) Benzaldehyde	6.42	77	52933	4.387	ng	# 1
18) Hexachloroethane	7.35	117	42042	8.026	ng	# 1
19) n-Nitroso-di-n-propylamine	7.29	70	49353	5.593	ng	# 65
22) Acetophenone	7.25	105	498643	26.754	ng	# 48
24) Nitrobenzene	7.43	77	27337	2.215	ng	# 42
25) Isophorone	7.67	82	60497	2.690	ng	# 1
26) 2-Nitrophenol	7.76	139	7872	6.776	ng	# 1
31) Naphthalene	8.16	128	194140	5.306	ng	100
32) Benzoic acid	7.89	122	15249	10.601	ng	# 63
54) 2,4-Dinitrophenol	10.10	184	146	7.884	ng	# 1
56) 4-Nitrophenol	9.99	139	2139	6.169	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	44155	11.016	ng	# 32
65) 4,6-Dinitro-2-methylphenol	10.59	198	122	10.109	ng	# 1
70) Pentachlorophenol	11.00	266	113	6.135	ng	# 18
71) Phenanthrene	11.40	178	91708	3.138	ng	97
72) Anthracene	11.40	178	91708	3.098	ng	98
75) Fluoranthene	12.59	202	168427	5.459	ng	98
78) Pyrene	12.82	202	129847	4.719	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	250866	14.500	ng	98

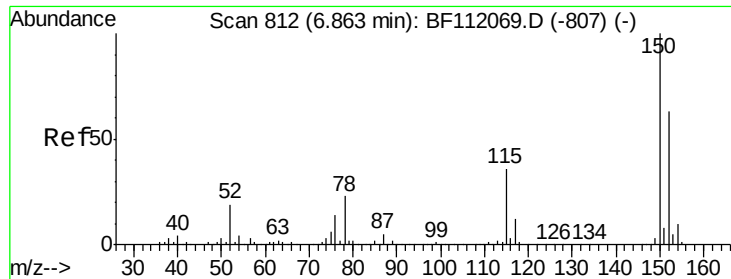
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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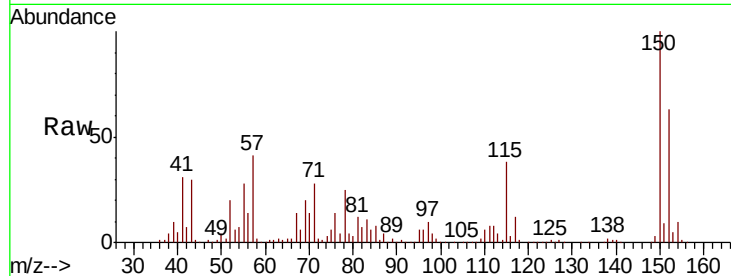




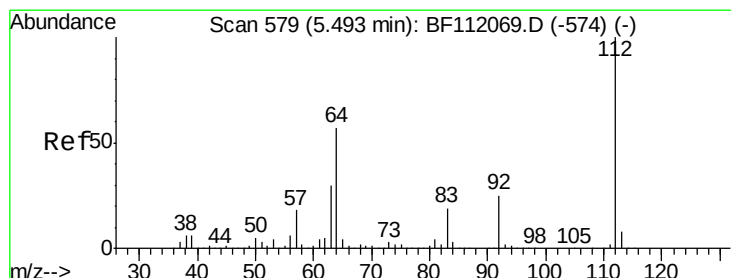
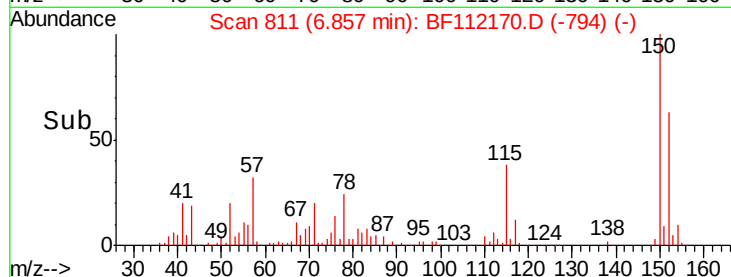
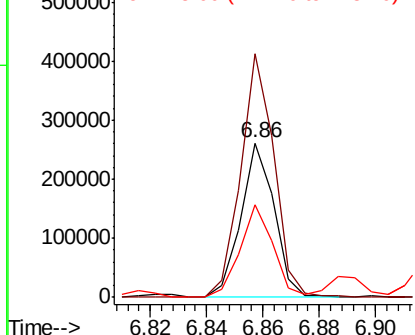
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.86 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

Tgt Ion:152 Resp: 210110
 Ion Ratio Lower Upper
 152 100
 150 157.5 127.4 191.0
 115 60.0 45.5 68.3

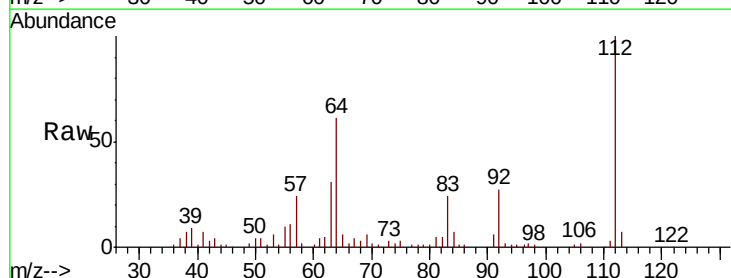


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

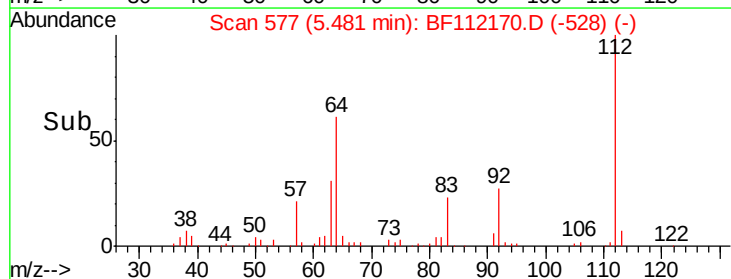
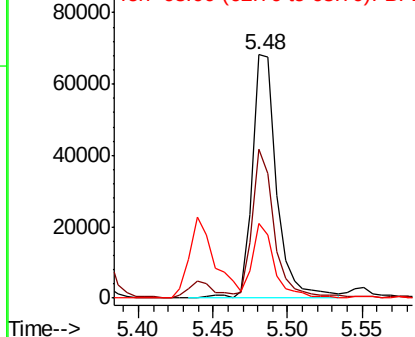


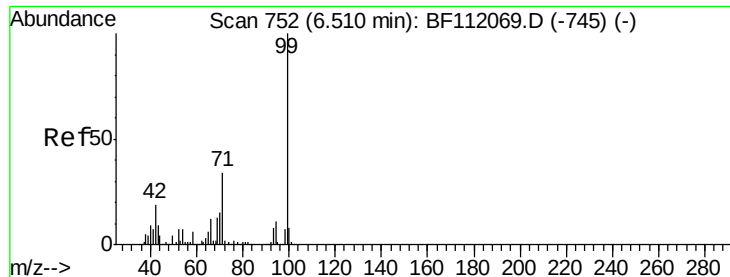
#5
 2-Fluorophenol
 Concen: 6.598 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Tgt Ion:112 Resp: 76378
 Ion Ratio Lower Upper
 112 100
 64 61.1 45.7 68.5
 63 30.7 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: 6.274 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

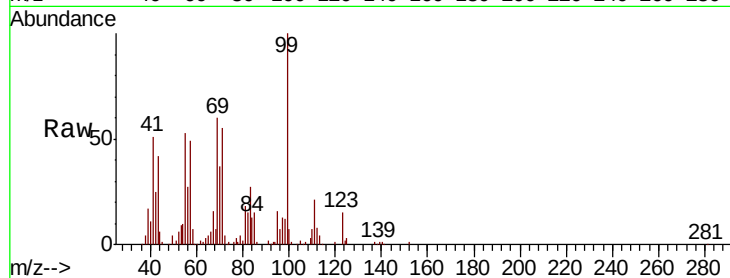
Tgt Ion: 99 Resp: 90866

Ion Ratio Lower Upper

99 100

42 25.0 15.1 22.7#

71 55.1 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

600000

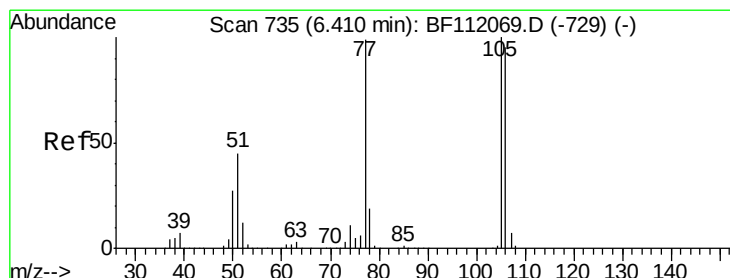
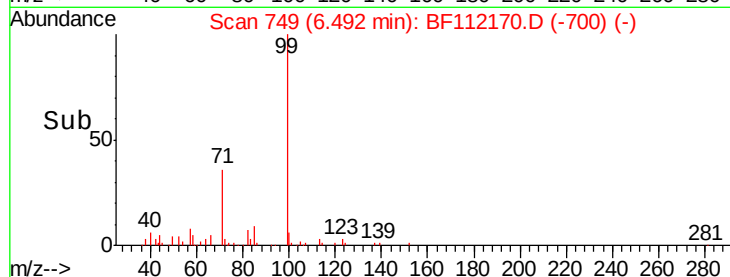
400000

200000

0

6.45 6.50 6.55

Time-->



#9

Benzaldehyde

Concen: 4.387 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

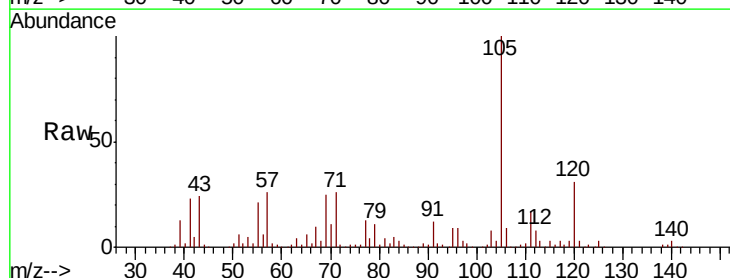
Tgt Ion: 77 Resp: 52933

Ion Ratio Lower Upper

77 100

105 793.5 80.8 120.8#

106 70.2 75.7 115.7#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

1200000

1000000

800000

600000

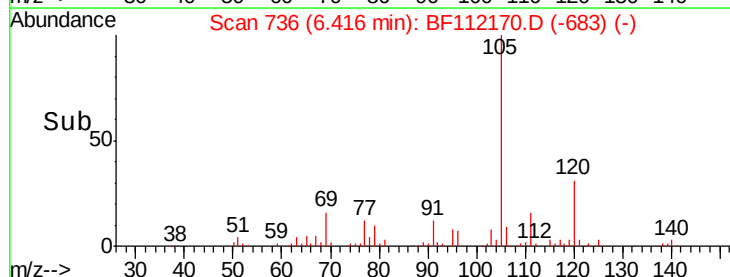
400000

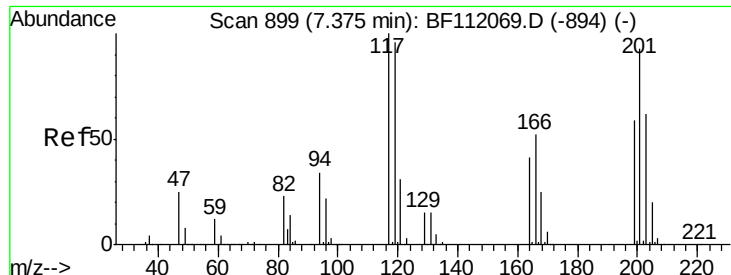
200000

0

6.38 6.40 6.42 6.44

Time-->

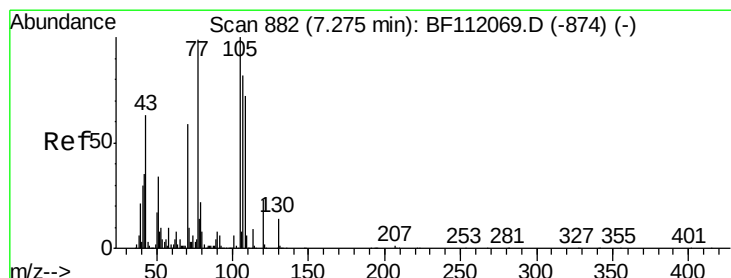
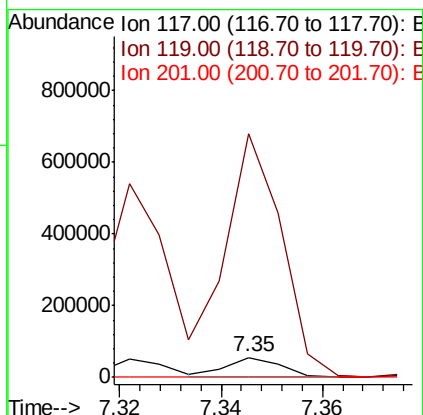
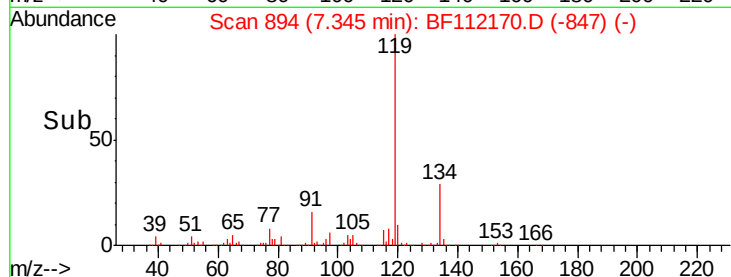
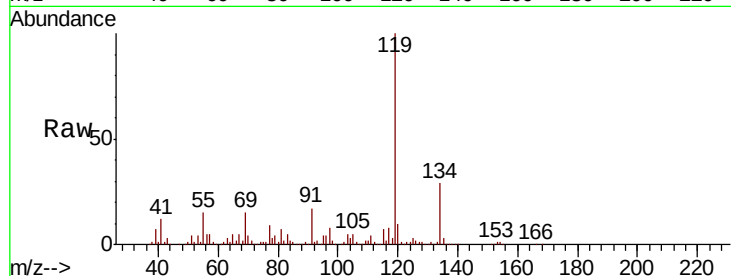




#18
Hexachloroethane
Concen: 8.026 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

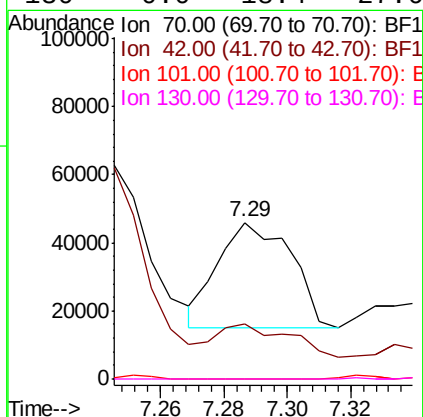
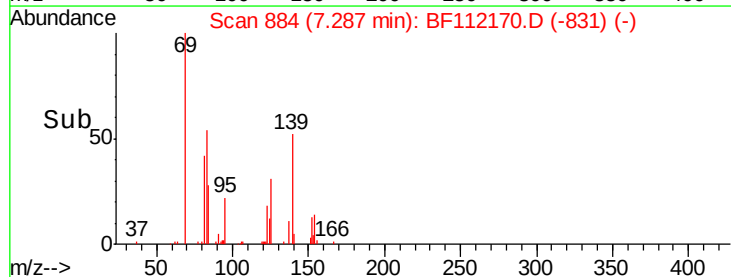
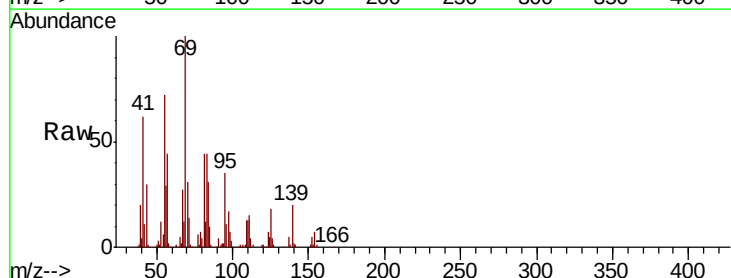
Instrument :
BNA_F
ClientSampleId :
23885-23703

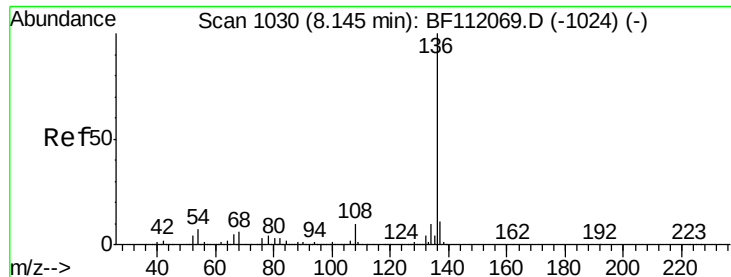
Tgt Ion:117 Resp: 42042
Ion Ratio Lower Upper
117 100
119 1226.5 77.0 115.4#
201 0.0 74.1 111.1#



#19
n-Nitroso-di-n-propylamine
Concen: 5.593 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Tgt Ion: 70 Resp: 49353
Ion Ratio Lower Upper
70 100
42 35.2 47.6 71.4#
101 0.0 7.9 11.9#
130 0.0 18.4 27.6#

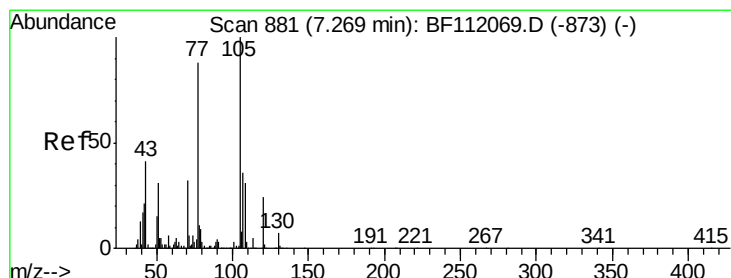
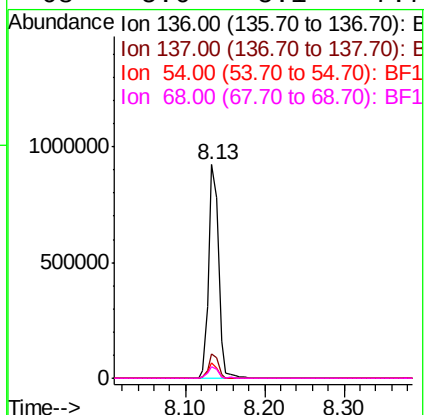
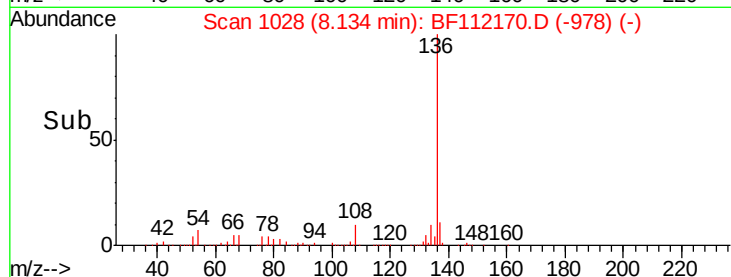
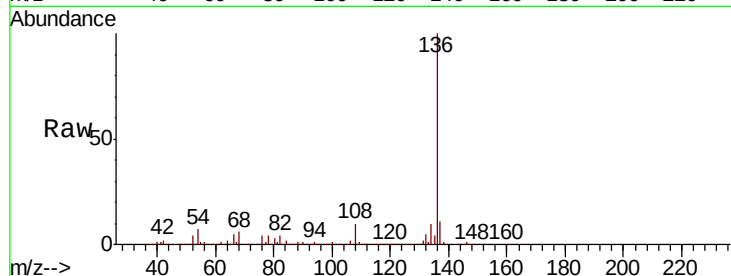




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

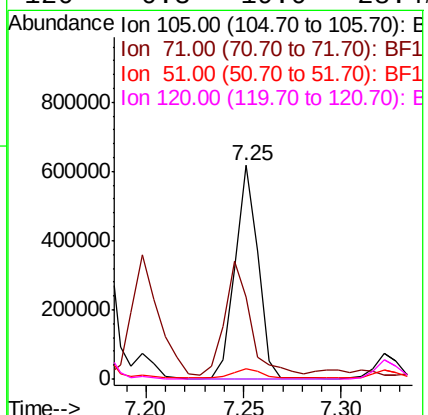
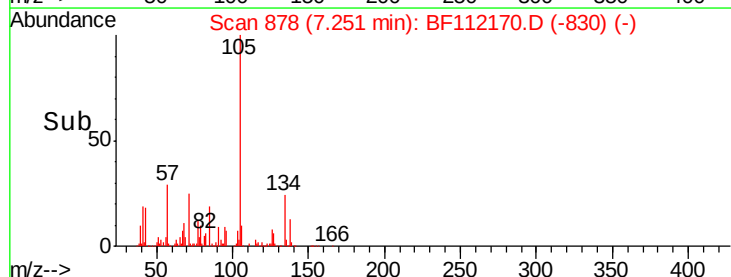
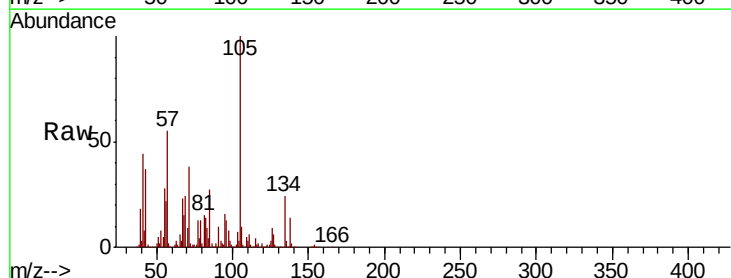
Instrument :
BNA_F
ClientSampled :
23885-23703

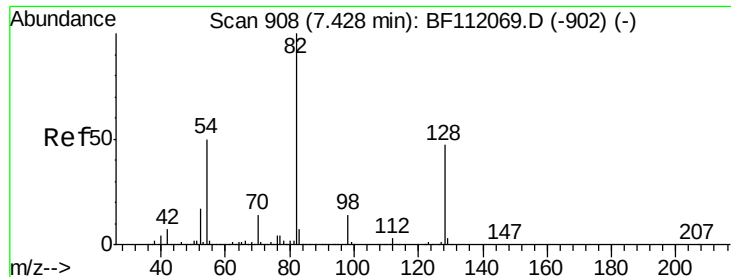
Tgt Ion:	136	Resp:	804488
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.0	5.9	8.9
68	5.6	5.1	7.7



#22
Acetophenone
Concen: 26.754 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Tgt Ion:	105	Resp:	498643
Ion	Ratio	Lower	Upper
105	100		
71	38.5	4.6	6.8#
51	5.0	25.0	37.6#
120	0.3	19.0	28.4#

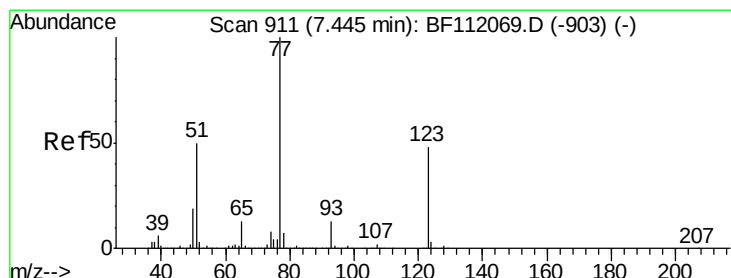
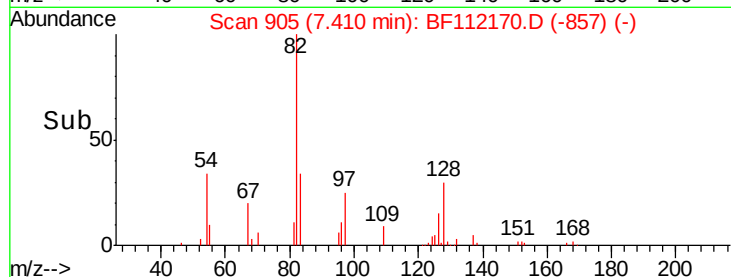
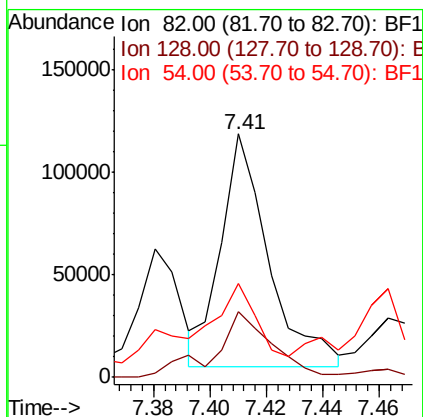
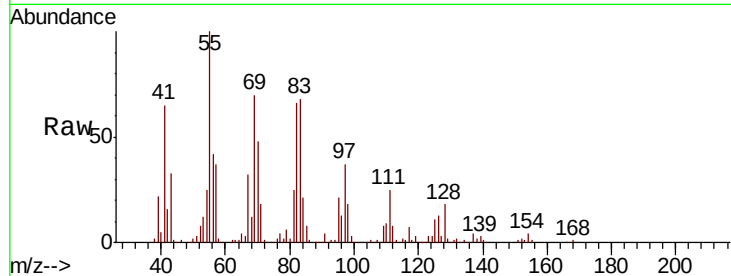




#23
 Nitrobenzene-d5
 Concen: 11.387 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

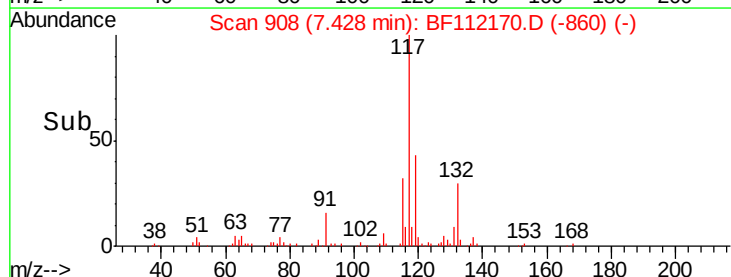
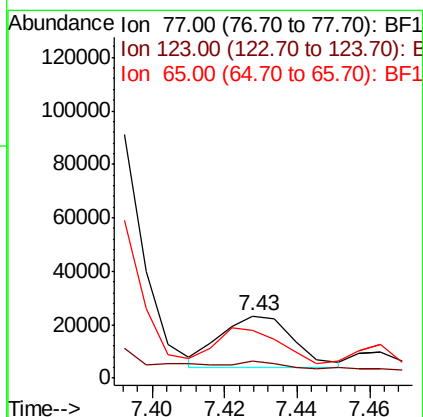
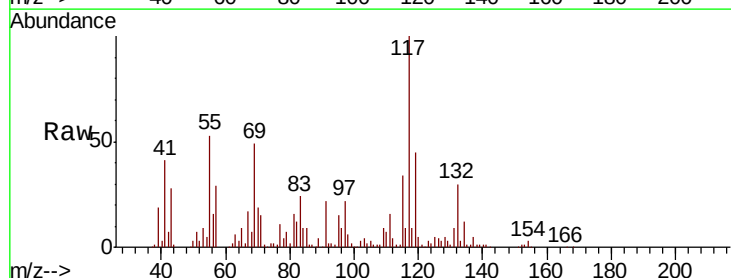
Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

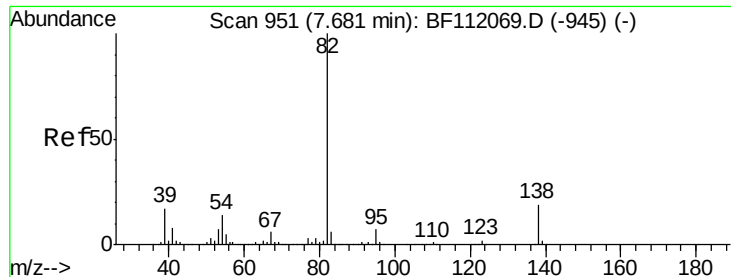
Tgt Ion: 82 Resp: 132590
 Ion Ratio Lower Upper
 82 100
 128 27.2 37.8 56.8#
 54 38.4 39.7 59.5#



#24
 Nitrobenzene
 Concen: 2.215 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Tgt Ion: 77 Resp: 27337
 Ion Ratio Lower Upper
 77 100
 123 27.2 38.4 57.6#
 65 75.9 10.6 15.8#





#25

Isophorone

Concen: 2.690 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

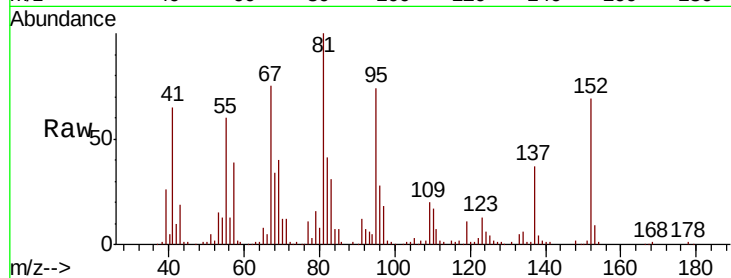
Tgt Ion: 82 Resp: 60497

Ion Ratio Lower Upper

82 100

95 179.5 5.7 8.5#

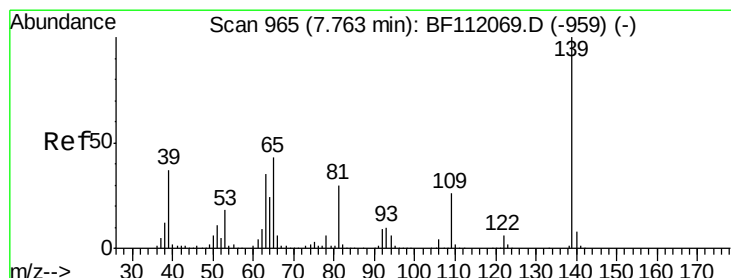
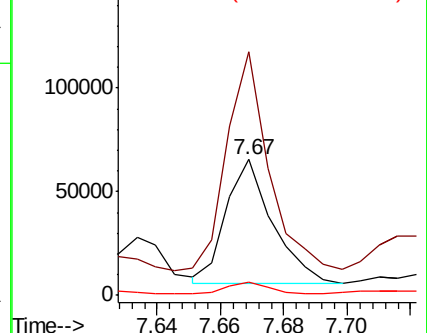
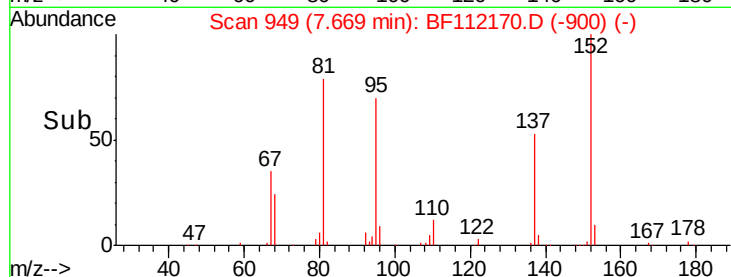
138 9.7 15.4 23.0#



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



#26

2-Nitrophenol

Concen: 6.776 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

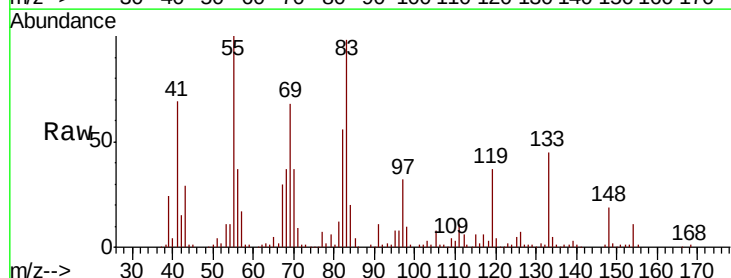
Tgt Ion: 139 Resp: 7872

Ion Ratio Lower Upper

139 100

109 158.8 20.8 31.2#

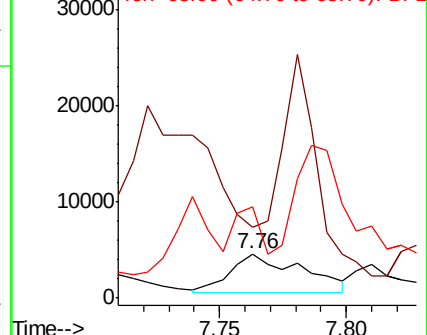
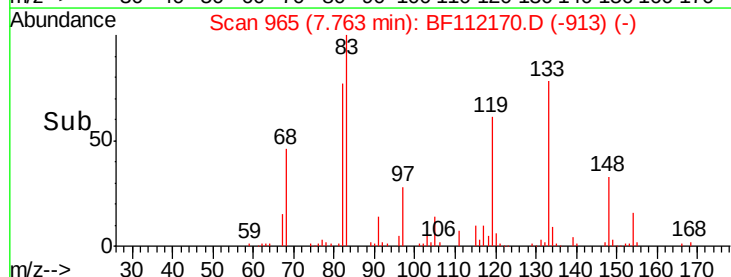
65 205.4 34.4 51.6#

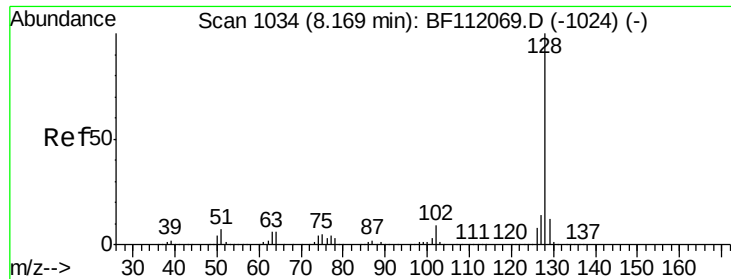


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

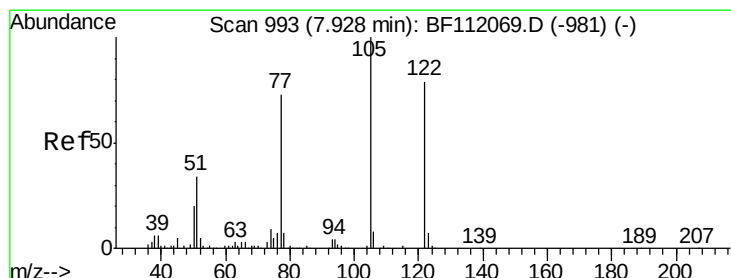
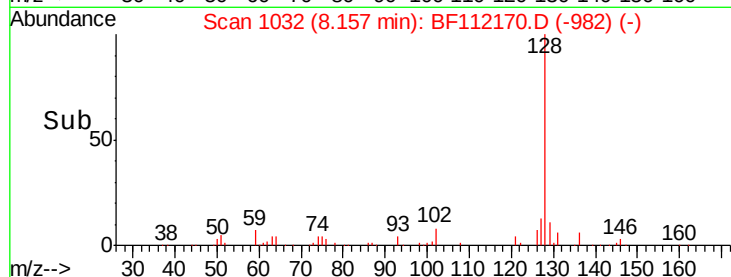
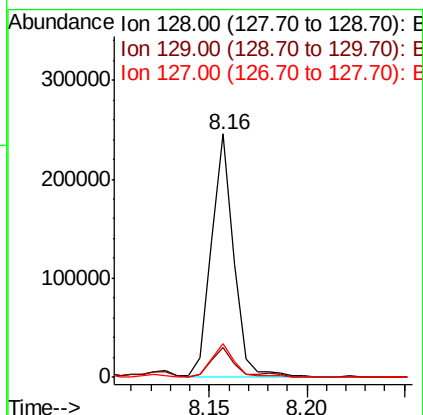
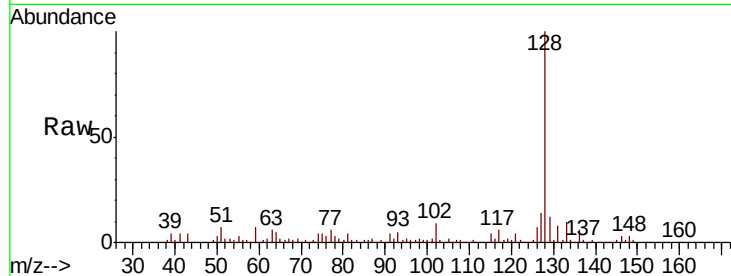




#31
Naphthalene
Concen: 5.306 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

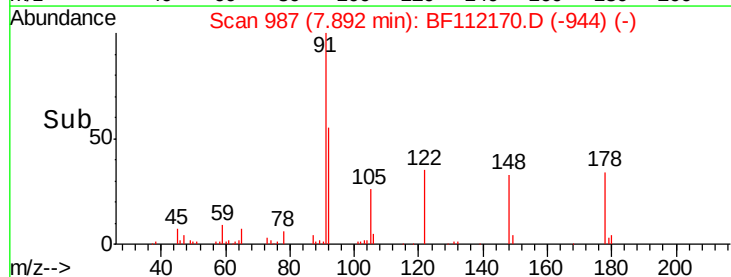
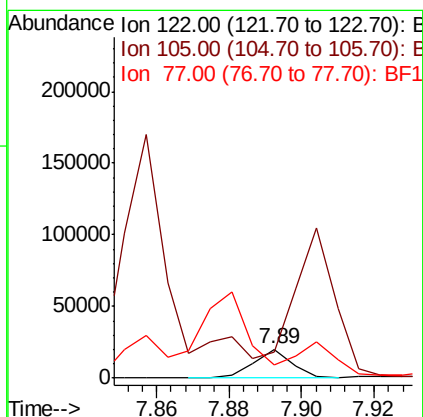
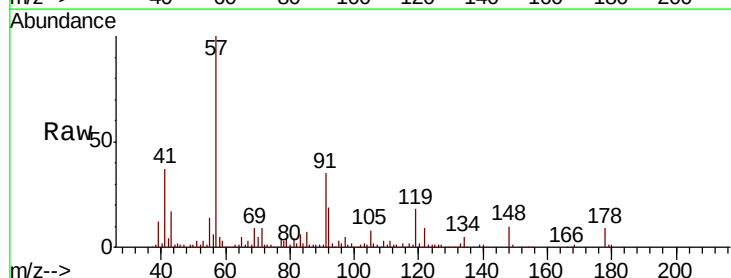
Instrument :
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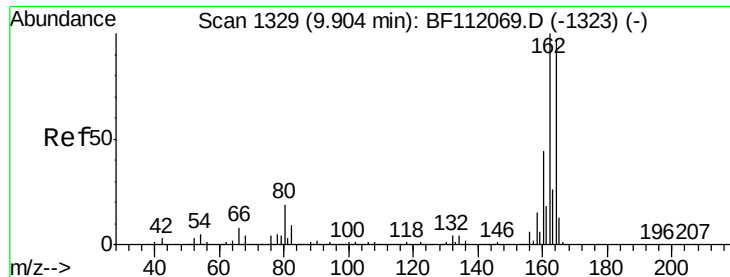
Tgt Ion:128 Resp: 194140
Ion Ratio Lower Upper
128 100
129 12.1 9.6 14.4
127 13.8 11.1 16.7



#32
Benzoic acid
Concen: 10.601 ng
RT: 7.89 min Scan# 987
Delta R.T. -0.05 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Tgt Ion:122 Resp: 15249
Ion Ratio Lower Upper
122 100
105 89.1 101.2 141.2#
77 45.4 70.4 110.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

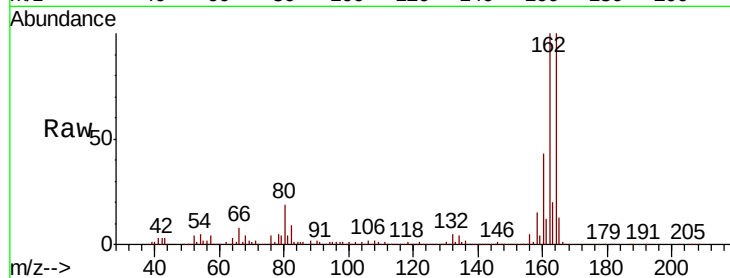
Tgt Ion:164 Resp: 332035

Ion Ratio Lower Upper

164 100

162 99.9 82.2 123.4

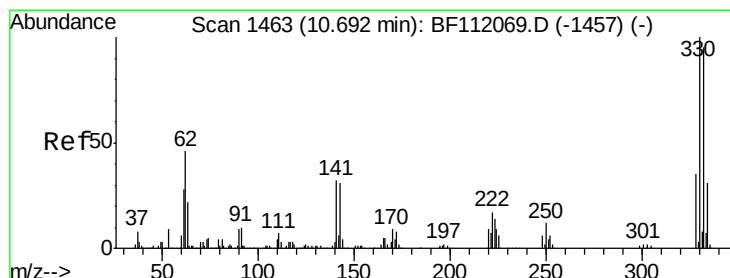
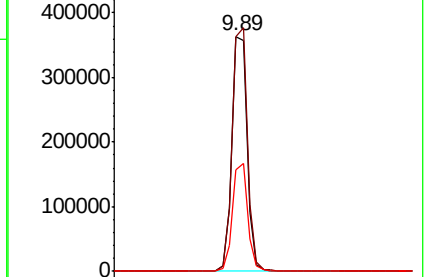
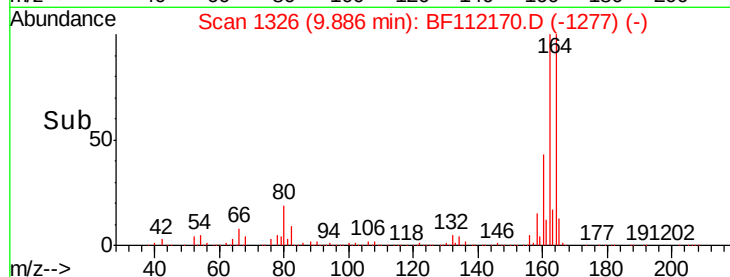
160 43.4 36.2 54.4



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: 5.410 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

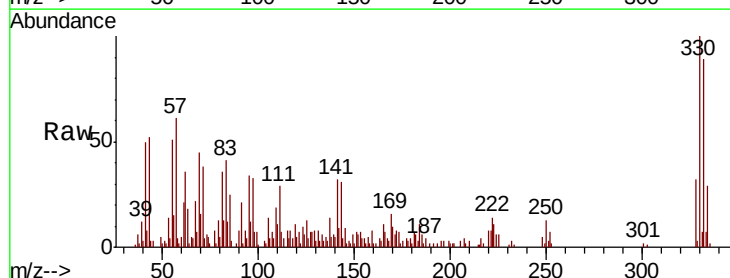
Tgt Ion:330 Resp: 19379

Ion Ratio Lower Upper

330 100

332 93.9 76.6 114.8

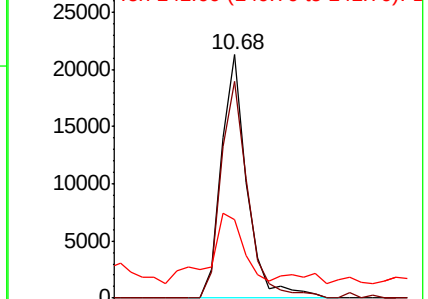
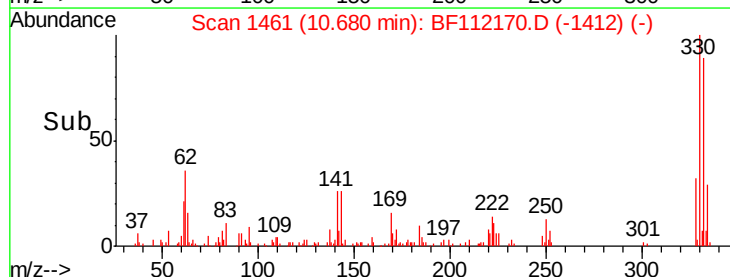
141 37.3 24.3 36.5#

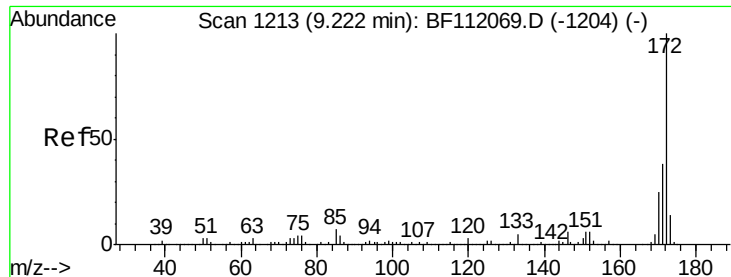


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

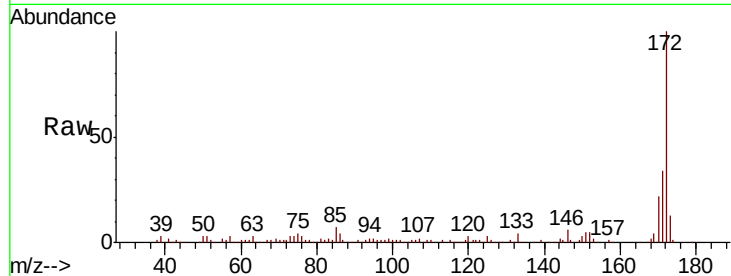




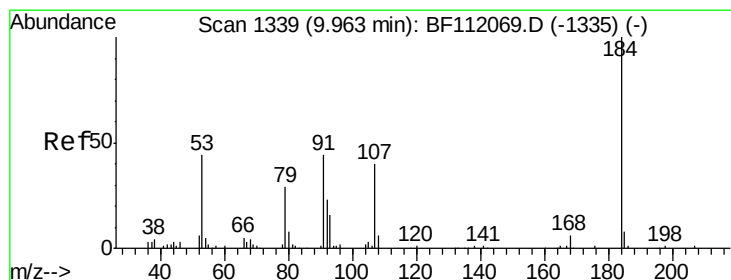
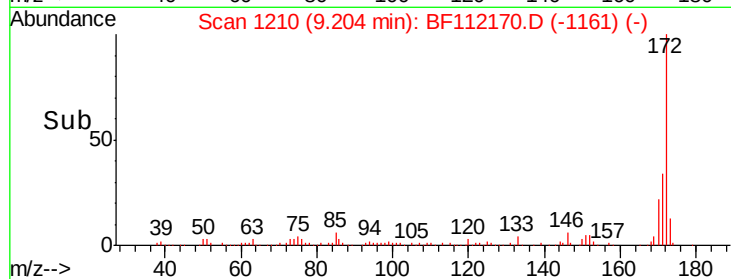
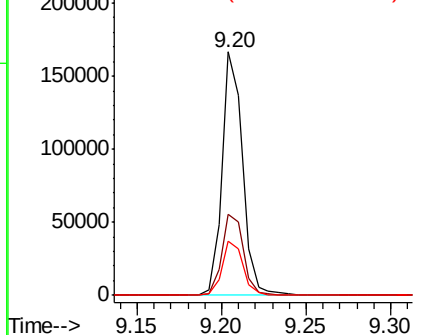
#45
 2-Fluorobiphenyl
 Concen: 6.266 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

Tgt Ion:172 Resp: 141910
 Ion Ratio Lower Upper
 172 100
 171 33.5 30.5 45.7
 170 22.2 20.2 30.4

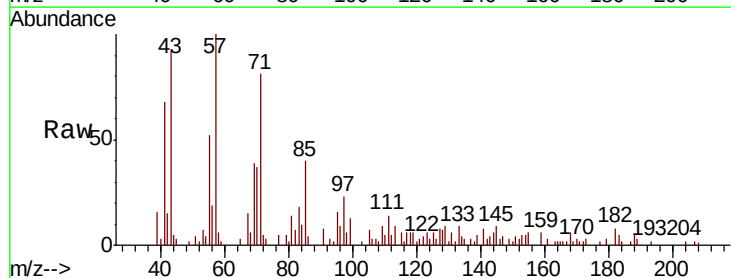


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

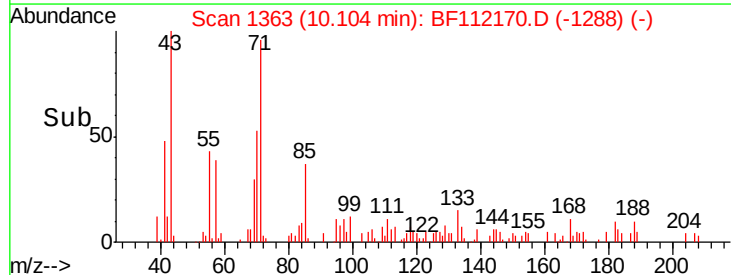
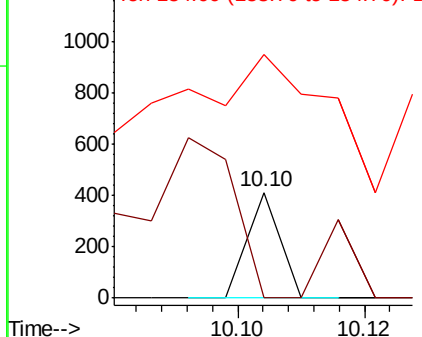


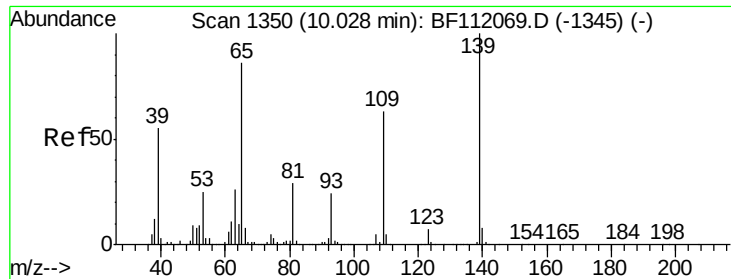
#54
 2,4-Dinitrophenol
 Concen: 7.884 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. 0.14 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Tgt Ion:184 Resp: 146
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.1 70.7#
 154 229.5 48.9 73.3#



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

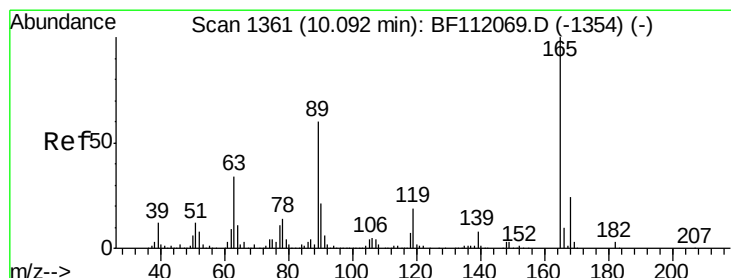
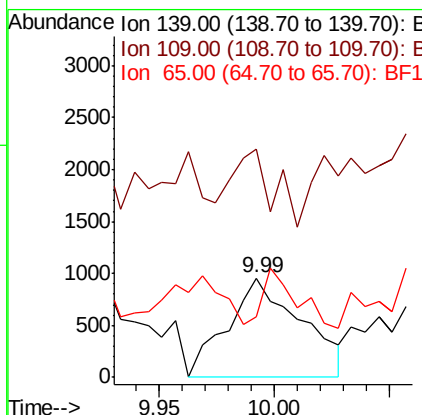
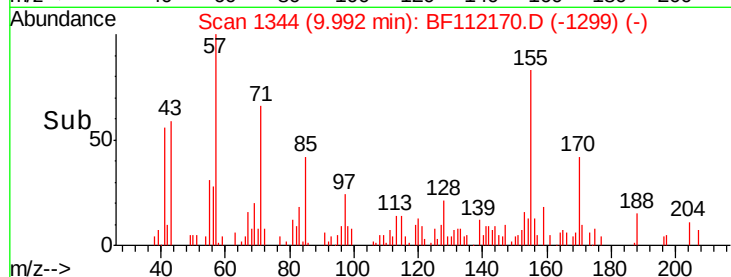
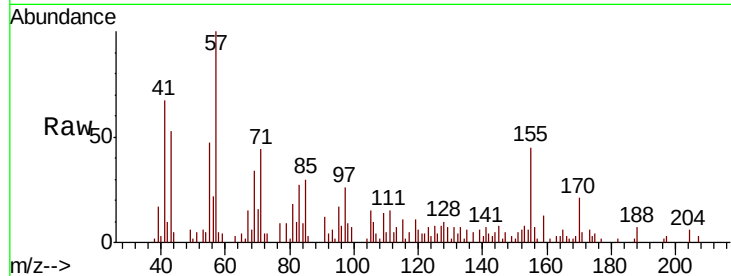




#56
4-Nitrophenol
Concen: 6.169 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.04 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

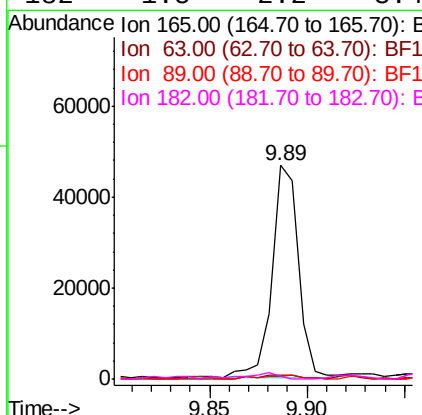
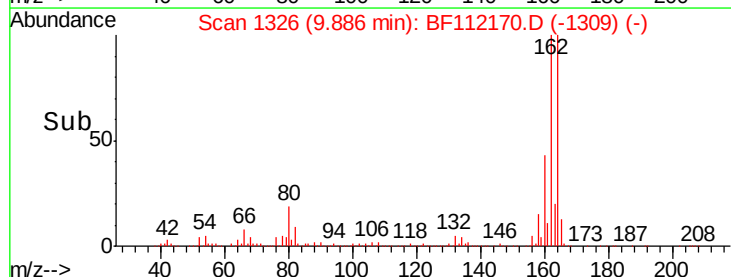
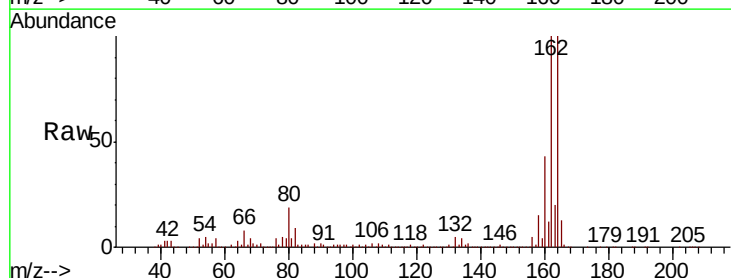
Instrument :
BNA_F
ClientSampleId :
23885-23703

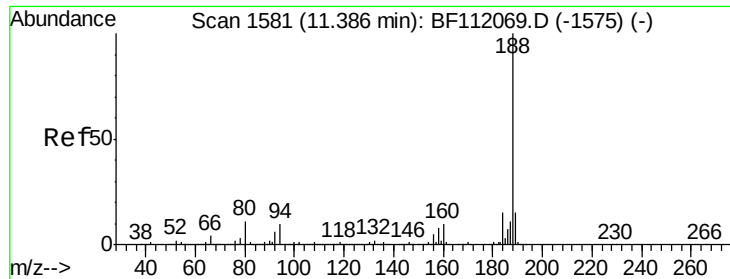
Tgt Ion:139 Resp: 2139
Ion Ratio Lower Upper
139 100
109 228.8 42.8 82.8#
65 61.5 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 11.016 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Tgt Ion:165 Resp: 44155
Ion Ratio Lower Upper
165 100
63 1.7 27.9 41.9#
89 1.2 47.9 71.9#
182 1.5 2.2 3.4#

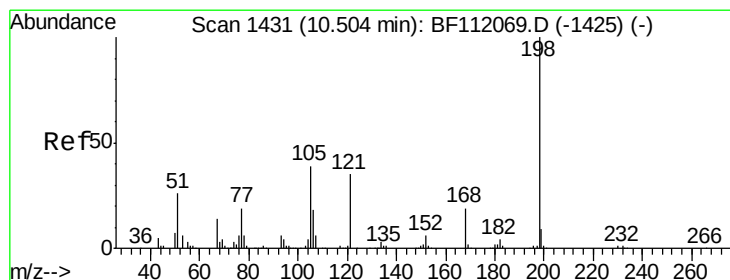
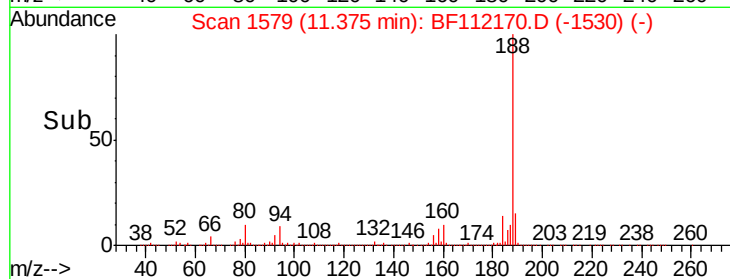
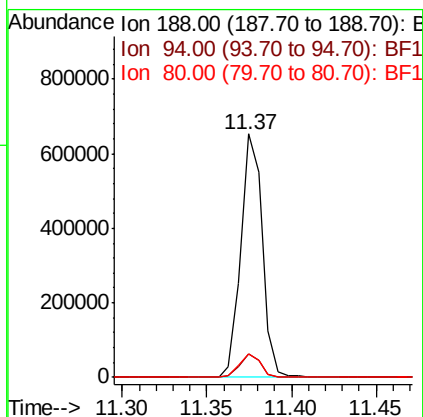
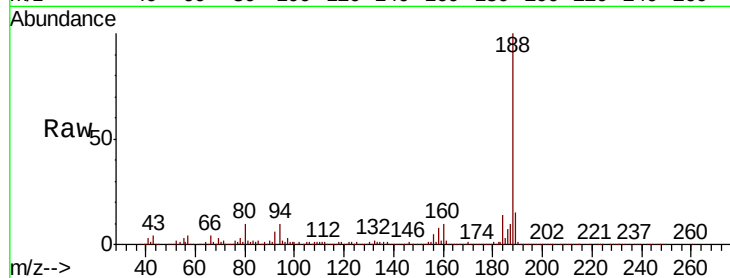




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

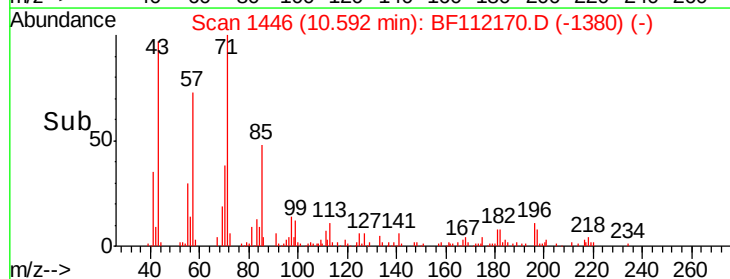
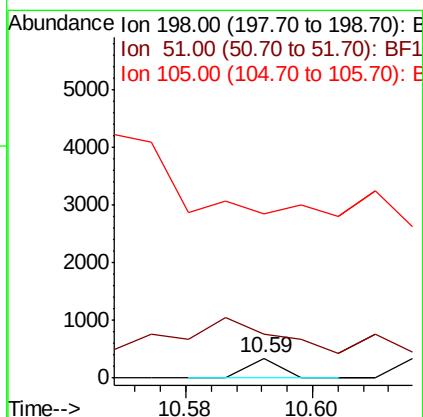
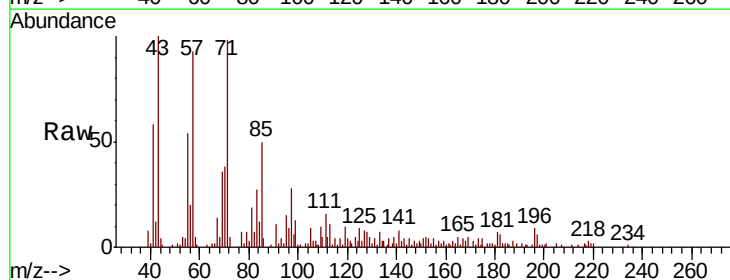
Instrument :
BNA_F
ClientSampleId :
23885-23703

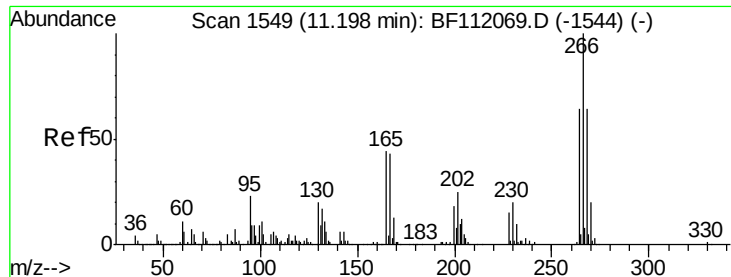
Tgt Ion:188 Resp: 580686
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 9.8 8.9 13.3



#65
4,6-Dinitro-2-methylphenol
Concen: 10.109 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.09 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Tgt Ion:198 Resp: 122
Ion Ratio Lower Upper
198 100
51 219.7 17.2 57.2#
105 825.4 21.9 61.9#

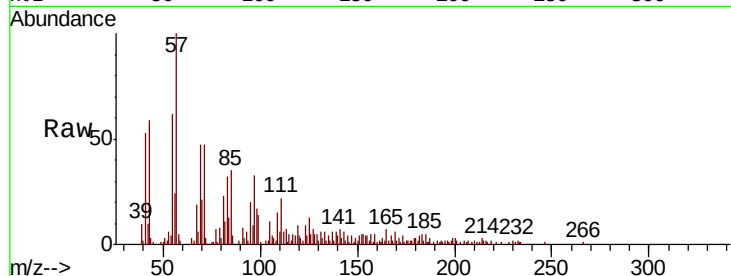




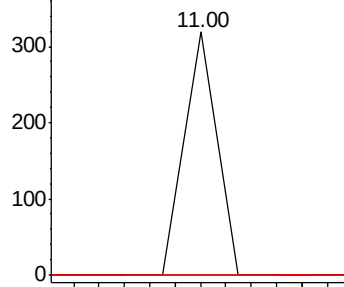
#70
 Pentachlorophenol
 Concen: 6.135 ng
 RT: 11.00 min Scan# 1516
 Delta R.T. -0.19 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

Instrument :
 BNA_F
 ClientSampleId :
 23885-23703

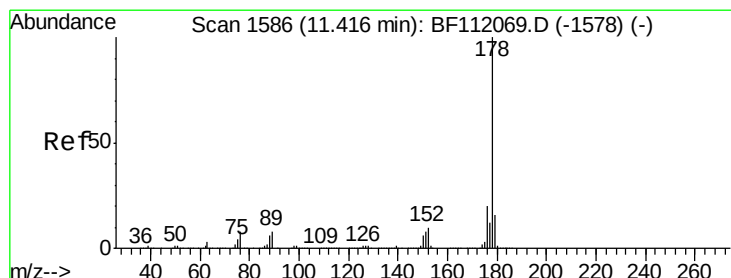
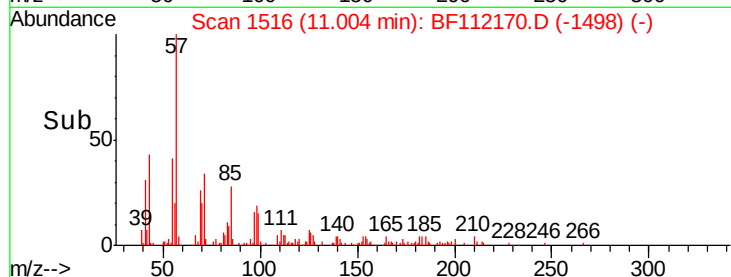
Tgt Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.2	76.8#
264	0.0	50.9	76.3#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

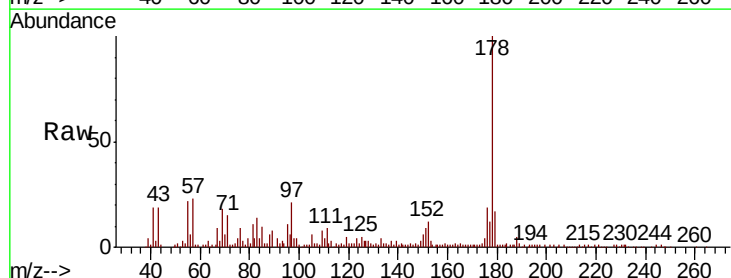


Time-->

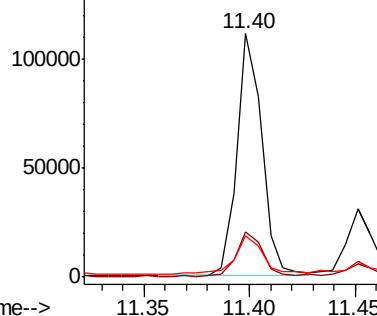


#71
 Phenanthrene
 Concen: 3.138 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF112170.D
 Acq: 21 Jan 2019 20:35

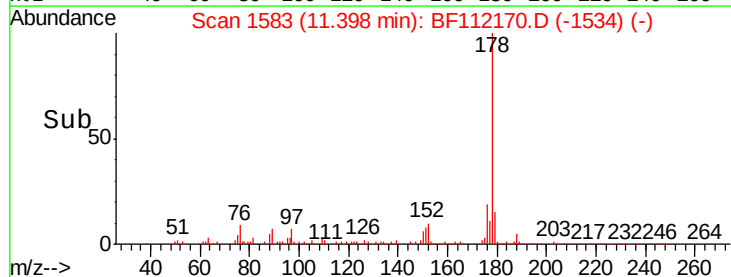
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.3	24.5
179	16.7	13.0	19.4

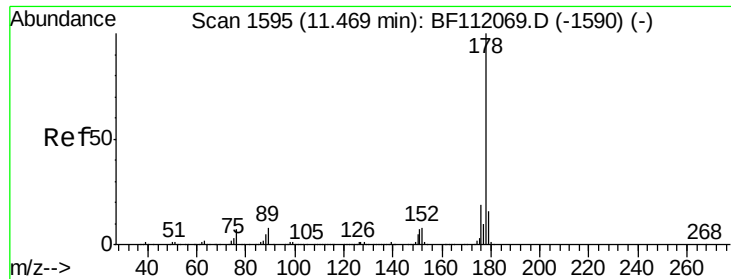


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Anthracene

Concen: 3.098 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.06 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

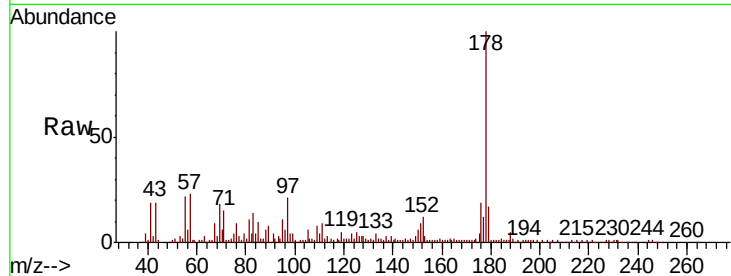
Tgt Ion:178 Resp: 91708

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

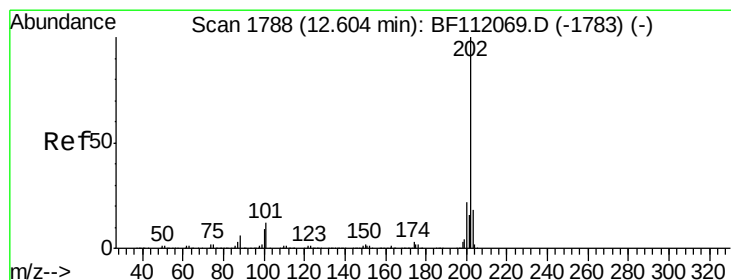
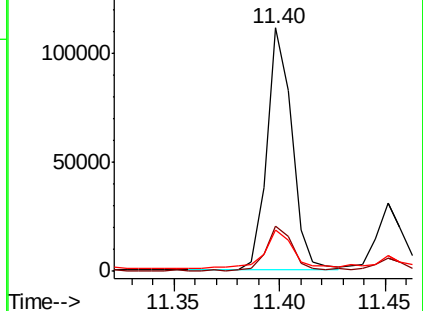
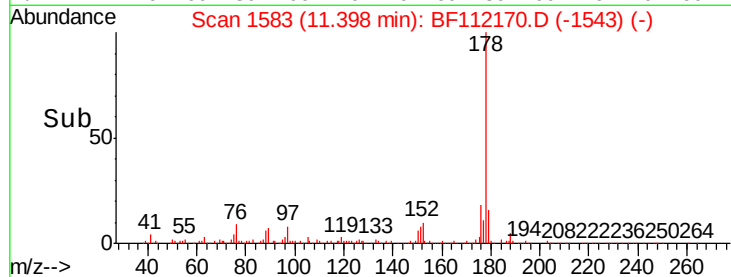
179 16.7 12.8 19.2



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: 5.459 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

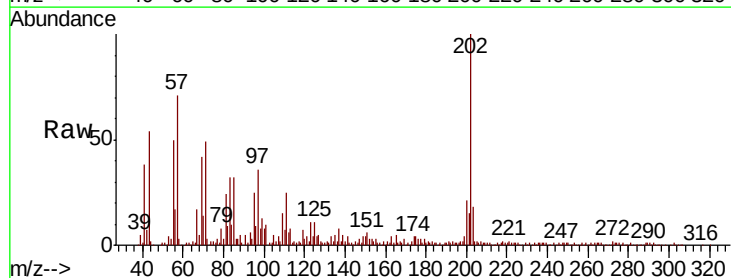
Tgt Ion:202 Resp: 168427

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.8

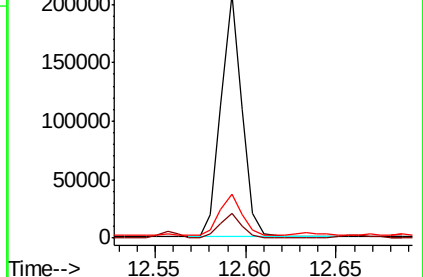
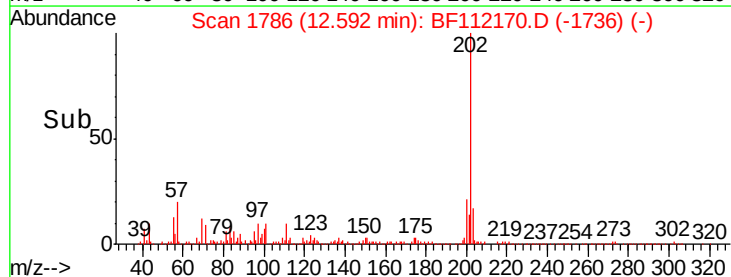
203 18.0 0.0 38.4

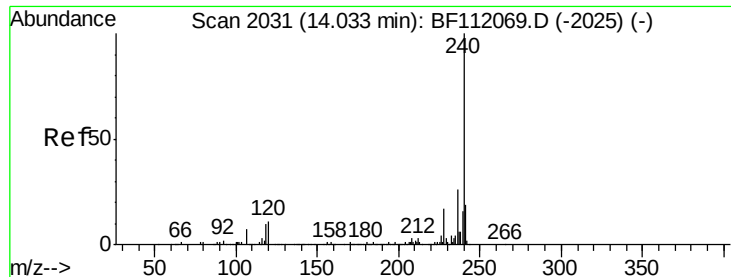


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

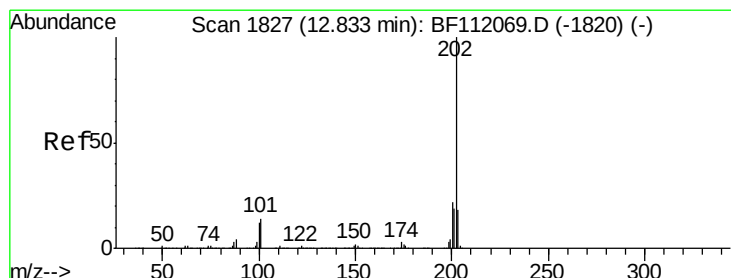
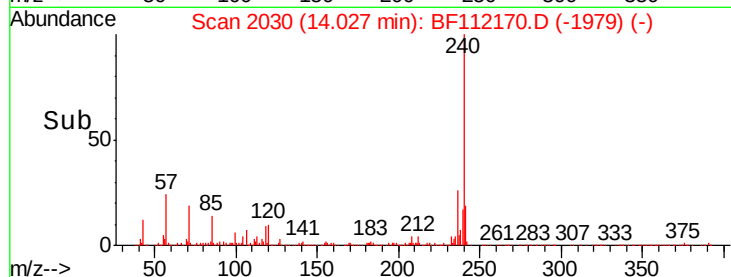
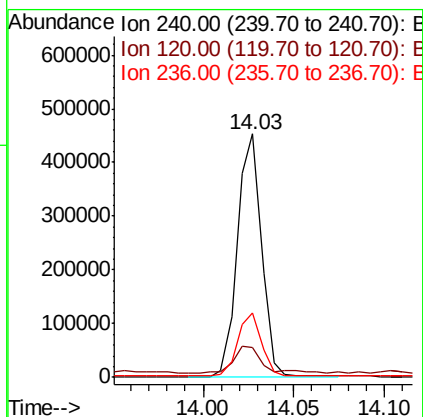
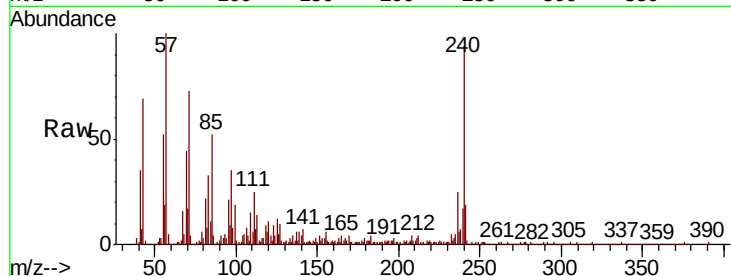




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

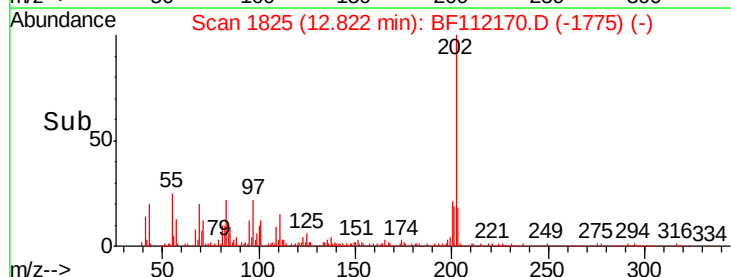
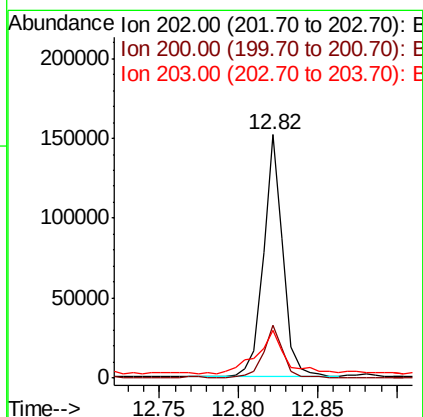
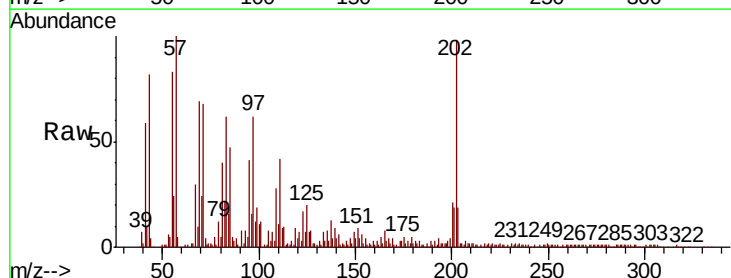
Instrument :
BNA_F
ClientSampleId :
23885-23703

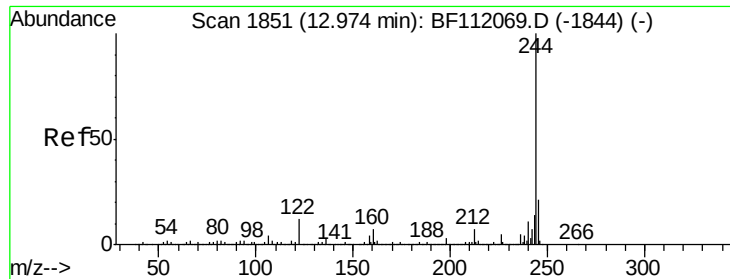
Tgt Ion:240 Resp: 417065
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 26.4 20.7 31.1



#78
Pyrene
Concen: 4.719 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Tgt Ion:202 Resp: 129847
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 19.9 14.6 22.0





#79

Terphenyl-d14

Concen: 6.621 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

Instrument :

BNA_F

ClientSampleId :

23885-23703

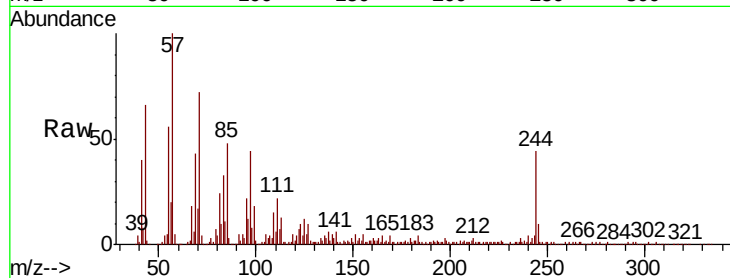
Tgt Ion:244 Resp: 129797

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

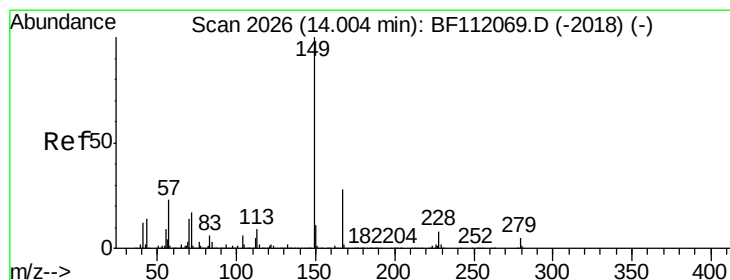
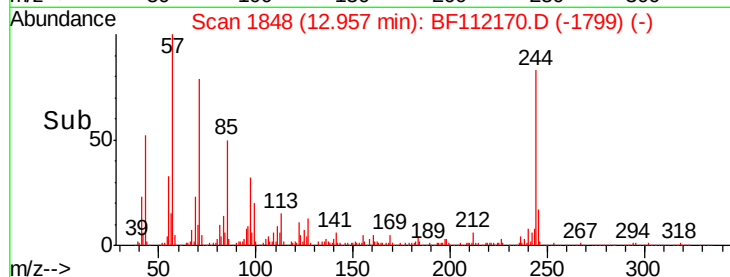
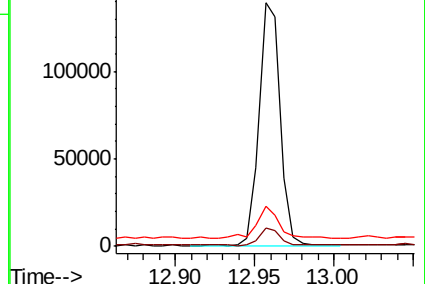
122 16.4 9.8 14.6#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 14.500 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112170.D

Acq: 21 Jan 2019 20:35

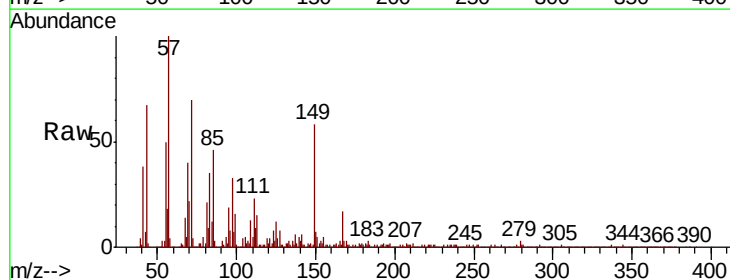
Tgt Ion:149 Resp: 250866

Ion Ratio Lower Upper

149 100

167 29.3 22.5 33.7

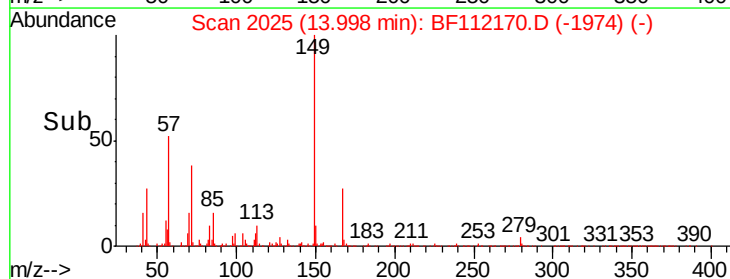
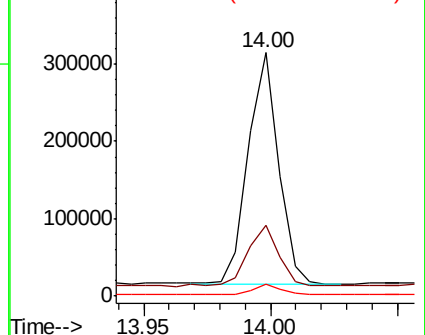
279 4.8 3.8 5.6

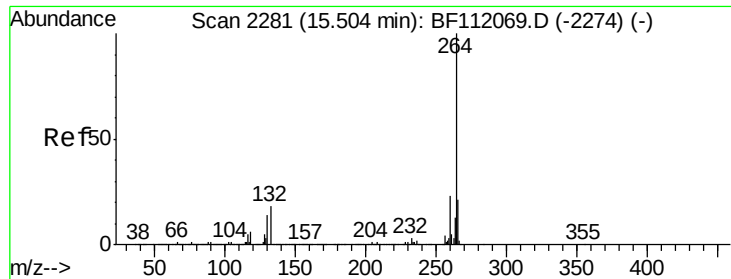


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

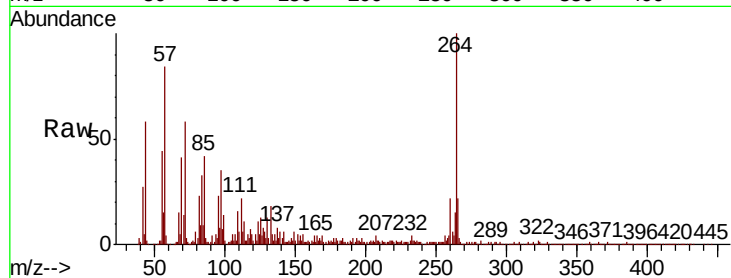




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF112170.D
Acq: 21 Jan 2019 20:35

Instrument :
BNA_F
ClientSampleId :
23885-23703

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.2	27.2
265	21.6	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

