

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011119\
 Data File : BF112018.D
 Acq On : 11 Jan 2019 16:34
 Operator : JU/SJ
 Sample : K1058-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 21:22:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	107806	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	383478	20.00	ng	-0.02
39) Acenaphthene-d10	9.91	164	167973	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	282890	20.00	ng	-0.02
76) Chrysene-d12	14.04	240	287075	20.00	ng	-0.02
87) Perylene-d12	15.52	264	221880	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	325065	51.59	ng	-0.02
7) Phenol-d6	6.51	99	411160	50.62	ng	-0.02
23) Nitrobenzene-d5	7.43	82	259898	36.22	ng	-0.03
42) 2,4,6-Tribromophenol	10.70	330	99558	45.57	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	484509	42.06	ng	-0.02
79) Terphenyl-d14	12.98	244	447368	29.58	ng	-0.02

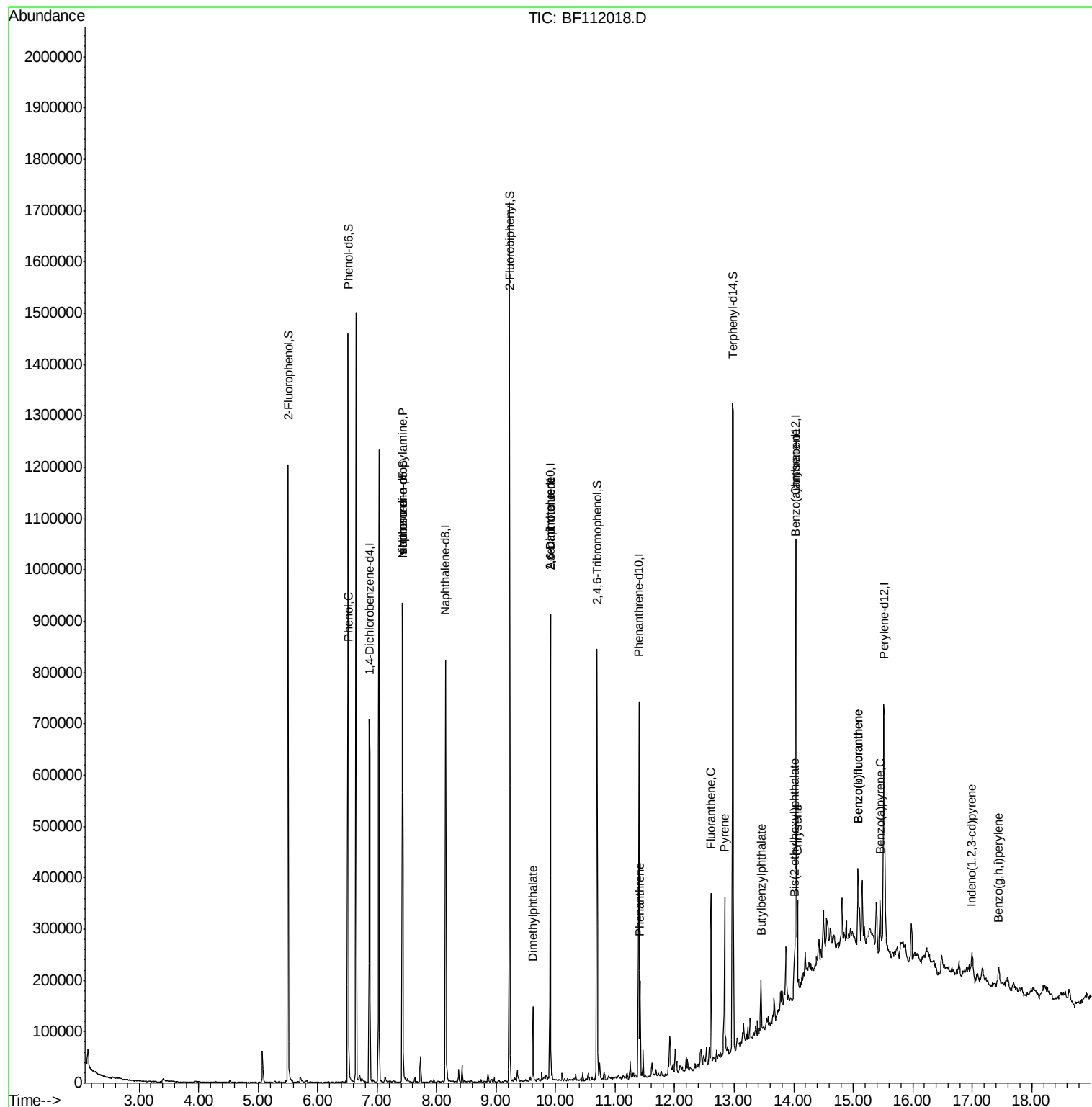
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	673	Below Cal		# 84
10) Phenol	6.52	94	21687	2.457	ng	79
19) n-Nitroso-di-n-propylamine	7.43	70	34563	6.550	ng	# 73
25) Isophorone	7.43	82	259893	22.368	ng	# 65
50) Dimethylphthalate	9.62	163	50552	4.006	ng	98
51) 2,6-Dinitrotoluene	9.91	165	21623	7.663	ng	# 26
57) 2,4-Dinitrotoluene	9.91	165	21623	5.930	ng	# 26
71) Phenanthrene	11.42	178	65574	4.336	ng	99
75) Fluoranthene	12.61	202	127521	8.213	ng	99
78) Pyrene	12.84	202	120476	6.099	ng	98
80) Butylbenzylphthalate	13.45	149	18633	2.231	ng	90
81) Benzo(a)anthracene	14.03	228	66473	4.023	ng	95
83) Chrysene	14.06	228	72408	4.596	ng	97
84) Bis(2-ethylhexyl)phthalate	14.01	149	24872	2.268	ng	# 96
86) Indeno(1,2,3-cd)pyrene	17.00	276	27080	2.358	ng	99
88) Benzo(b)fluoranthene	15.08	252	108501	8.175	ng	# 95
89) Benzo(k)fluoranthene	15.08	252	108501	8.697	ng	# 96
90) Benzo(a)pyrene	15.45	252	47218	4.046	ng	# 91
92) Benzo(a,h,i)perylene	17.45	276	29474	3.210	ng	99

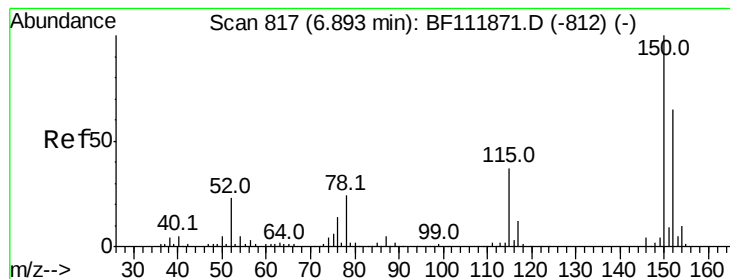
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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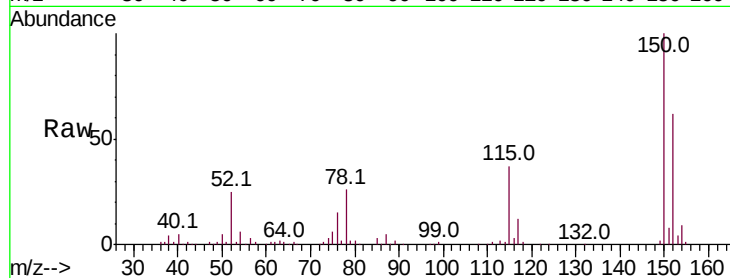


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.5	122.7	184.1
115	60.4	45.2	67.8

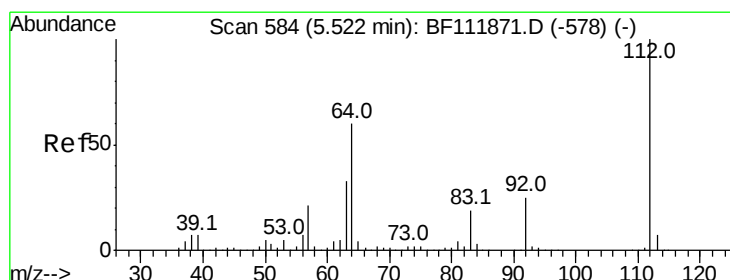
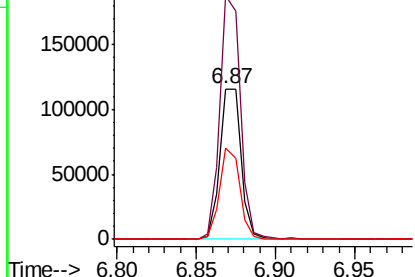
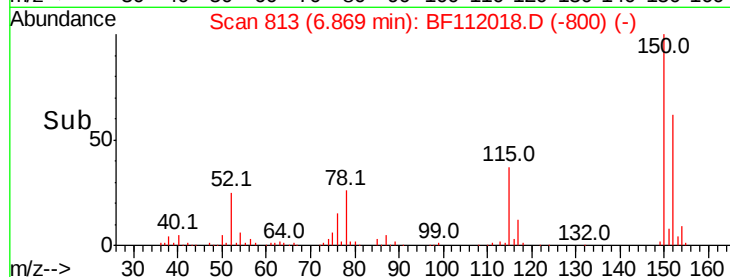


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

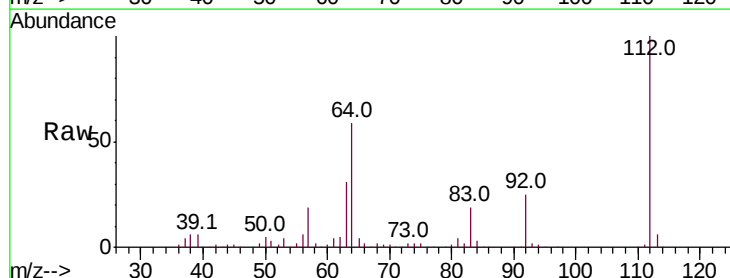
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.586 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	48.3	72.5
63	31.2	26.1	39.1

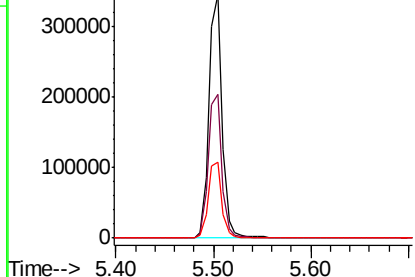
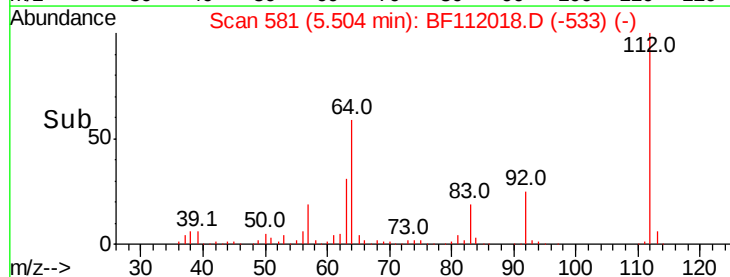


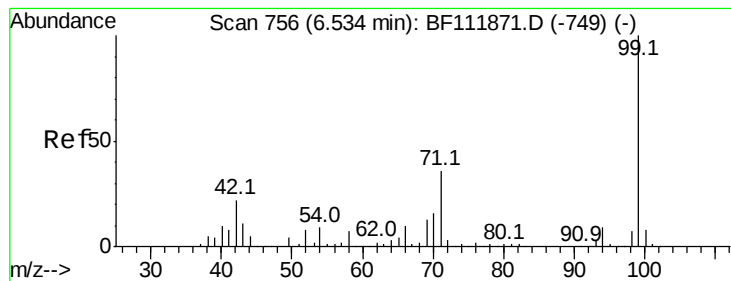
Abundance

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: 50.624 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

Instrument :

BNA_F

ClientSampleId :

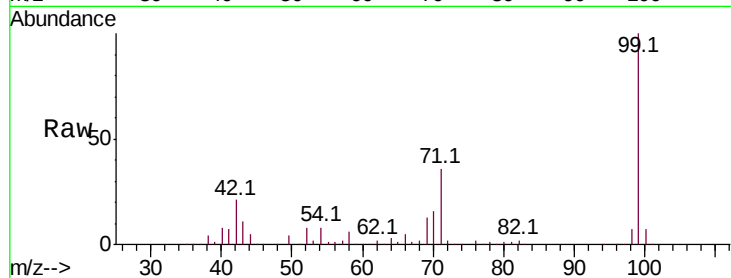
Tot Ion: 99 Resp: 411160

Ion Ratio Lower Upper

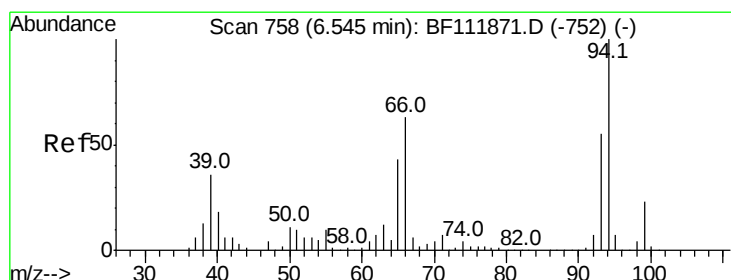
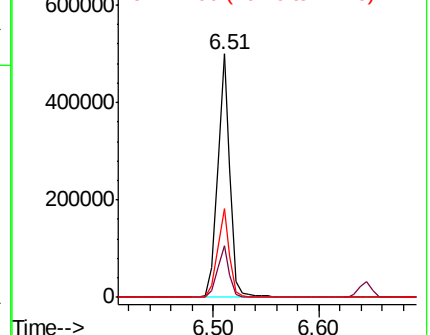
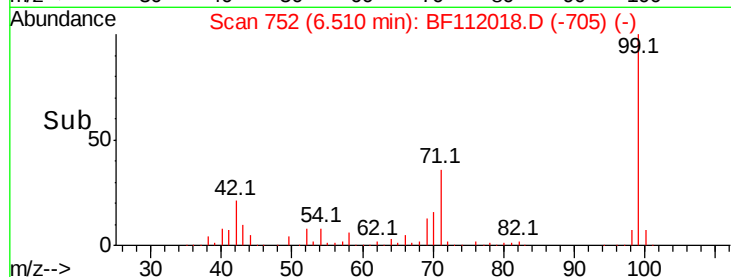
99 100

42 21.1 17.9 26.9

71 36.3 28.7 43.1



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: 2.457 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.02 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

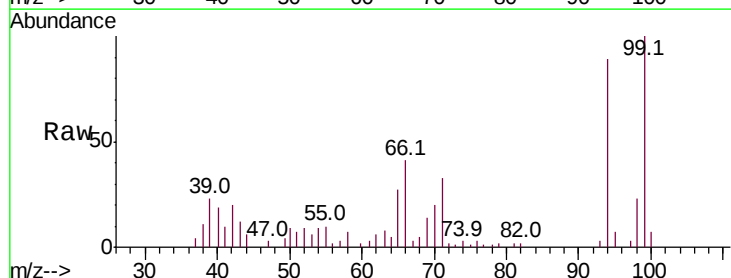
Tgt Ion: 94 Resp: 21687

Ion Ratio Lower Upper

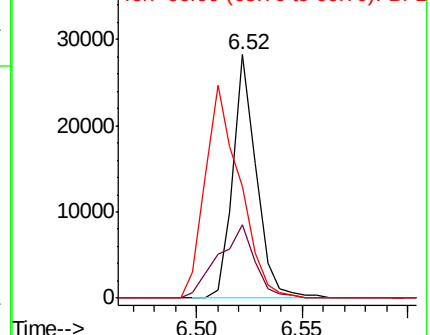
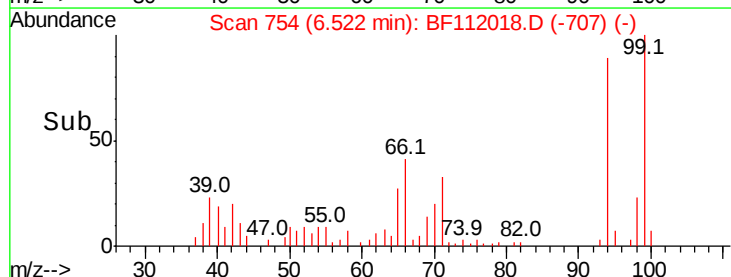
94 100

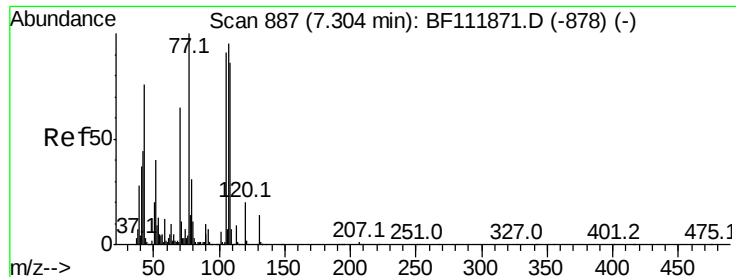
65 30.1 22.8 62.8

66 46.0 43.3 83.3



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

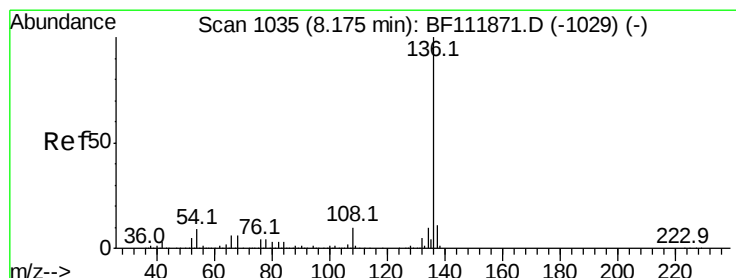
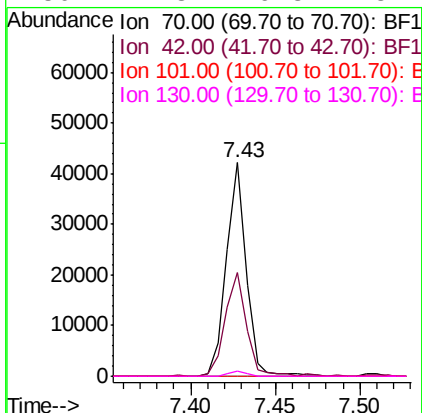
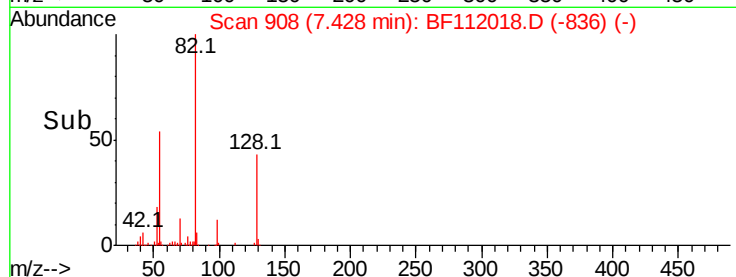
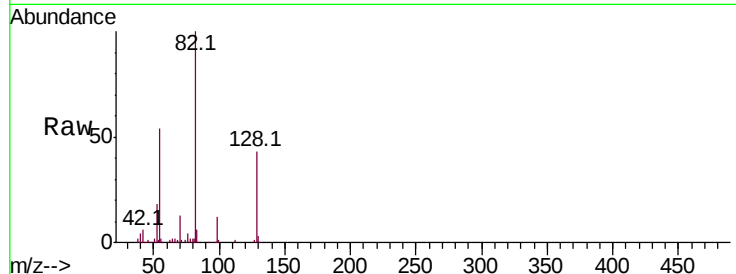




#19
n-Nitroso-di-n-propylamine
Concen: 6.550 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.12 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

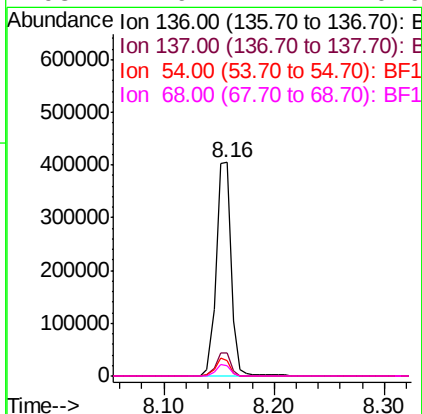
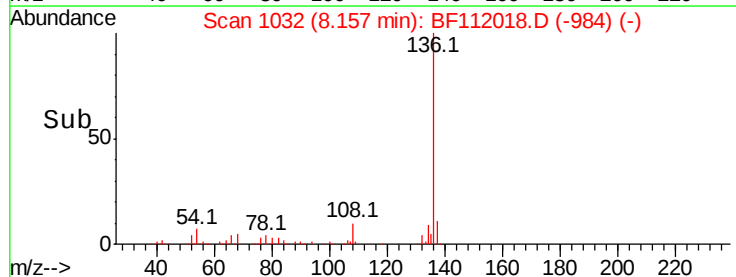
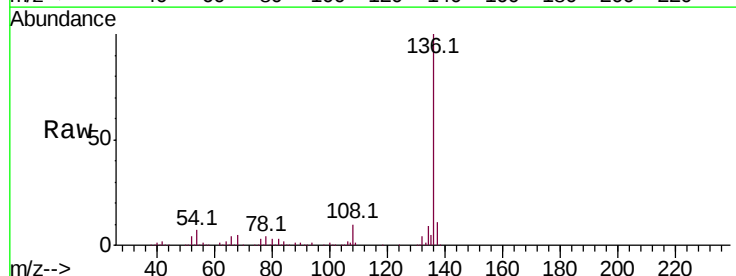
Instrument :
BNA_F
ClientSampleId :

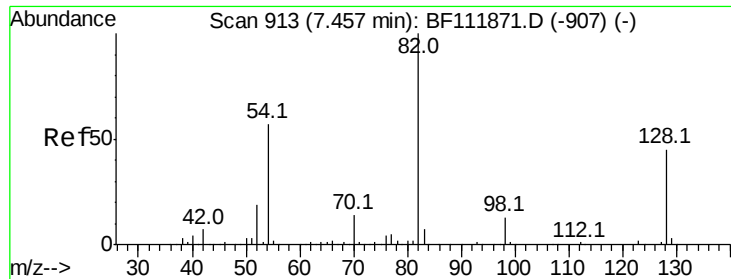
Tot Ion: 70 Resp: 34563
Ion Ratio Lower Upper
70 100
42 48.4 53.6 80.4#
101 0.0 7.3 10.9#
130 2.3 16.8 25.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion: 136 Resp: 383478
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 7.4 7.2 10.8
68 4.6 4.4 6.6

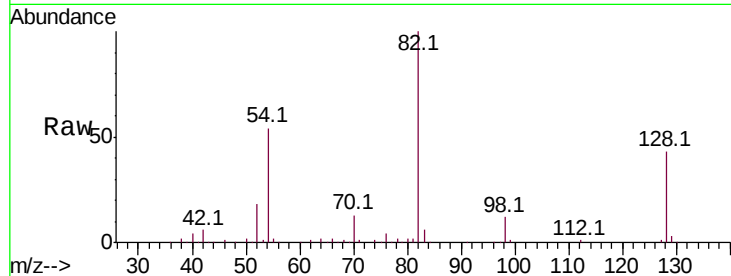




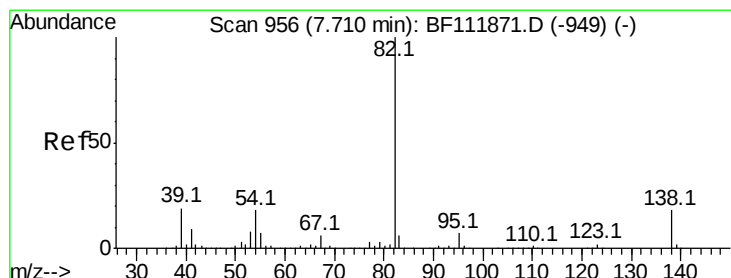
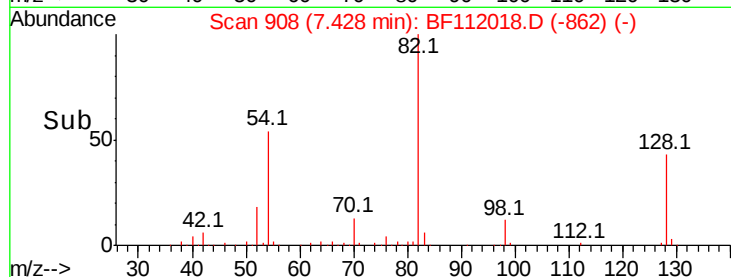
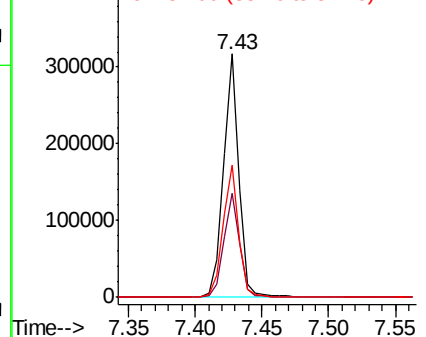
#23
 Nitrobenzene-d5
 Concen: 36.222 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.03 min
 Lab File: BF112018.D
 Acq: 11 Jan 2019 16:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	259898
Ion Ratio	Lower	Upper	
82	100		
128	43.0	35.7	53.5
54	54.3	45.8	68.8

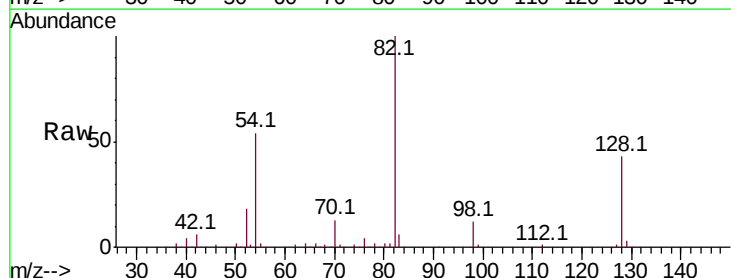


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

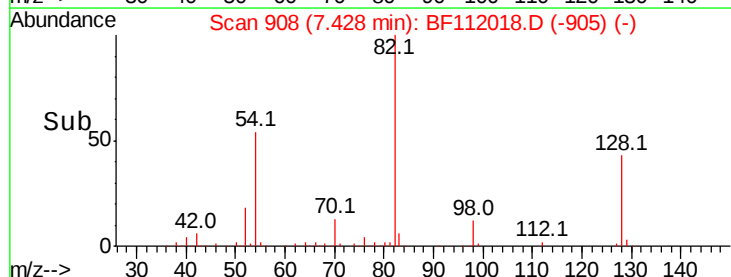
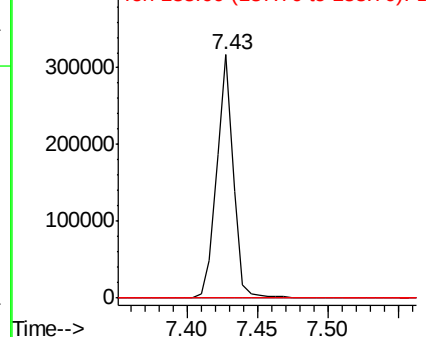


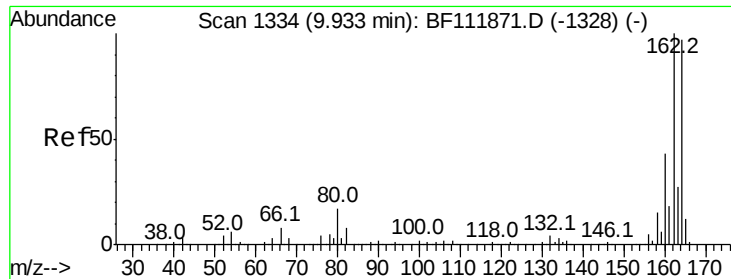
#25
 Isophorone
 Concen: 22.368 ng
 RT: 7.43 min Scan# 908
 Delta R.T. -0.28 min
 Lab File: BF112018.D
 Acq: 11 Jan 2019 16:34

Tgt Ion	82	Resp	259893
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	14.4	21.6#



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

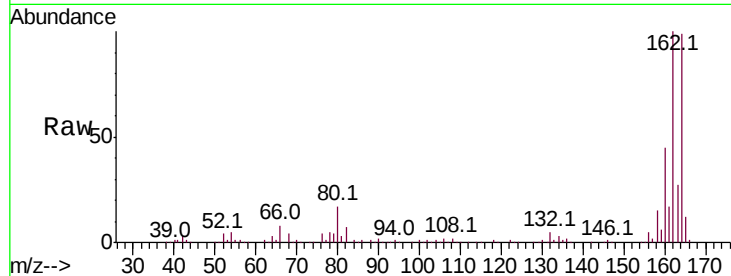




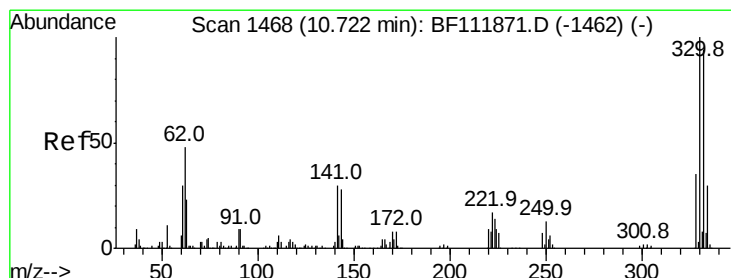
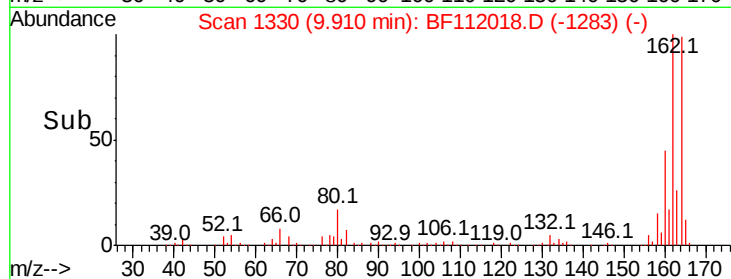
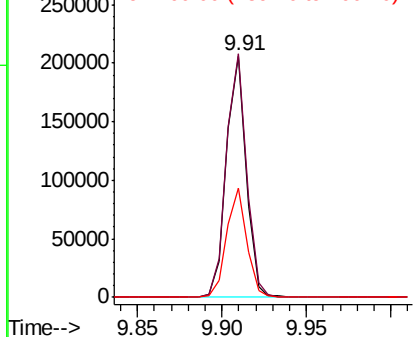
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 167973
Ion Ratio Lower Upper
164 100
162 100.8 82.2 123.2
160 45.0 35.5 53.3

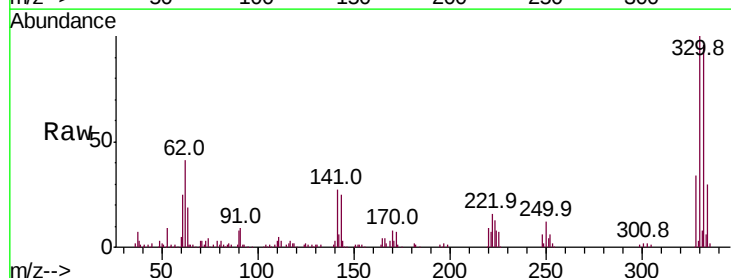


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

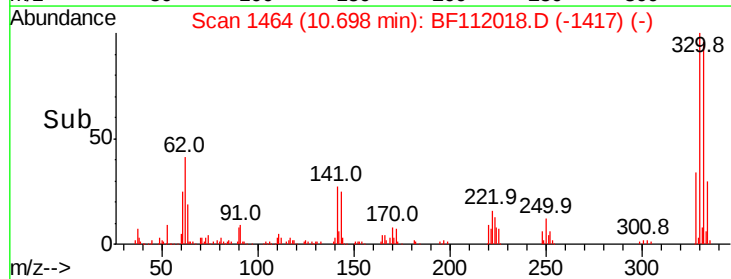
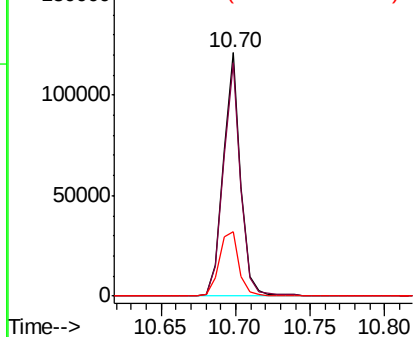


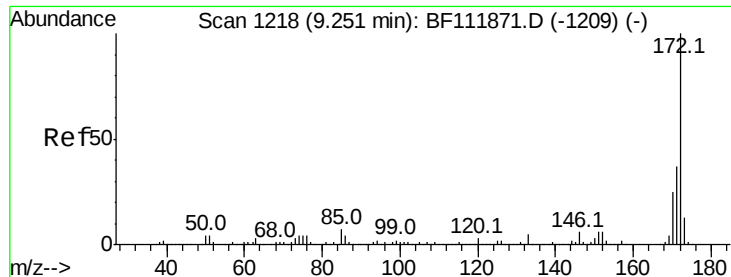
#42
2,4,6-Tribromophenol
Concen: 45.568 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion:330 Resp: 99558
Ion Ratio Lower Upper
330 100
332 95.9 76.9 115.3
141 30.2 23.7 35.5



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

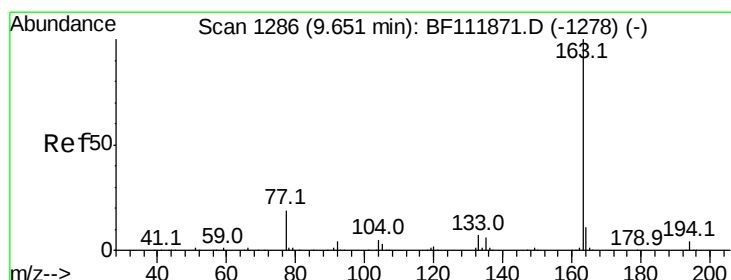
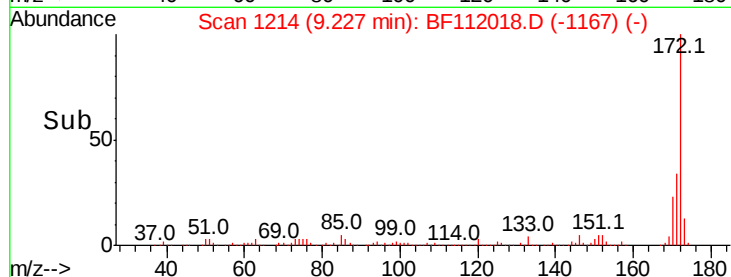
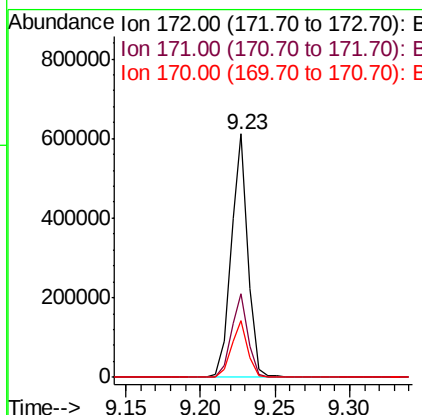
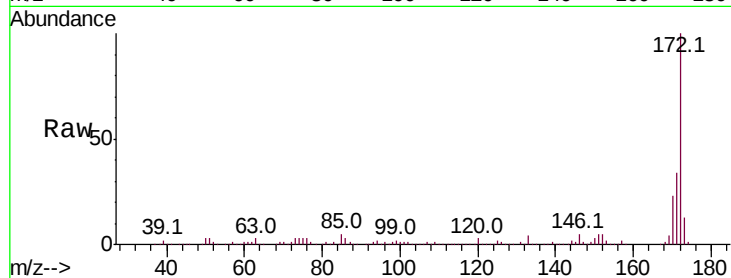




#45
2-Fluorobiphenyl
Concen: 42.061 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

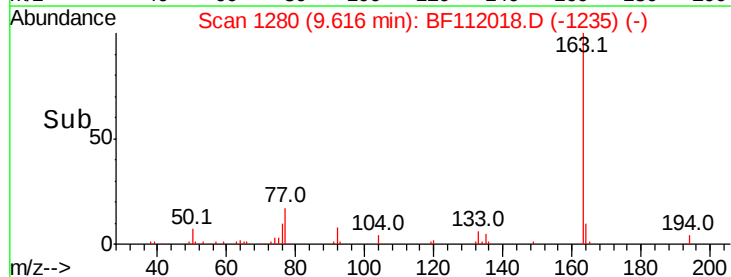
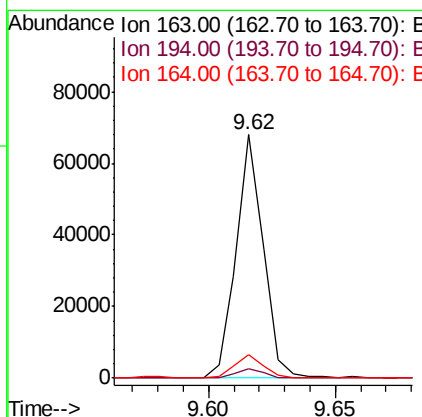
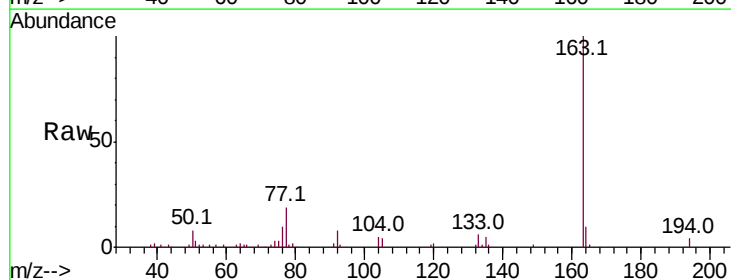
Instrument :
BNA_F
ClientSampleId :

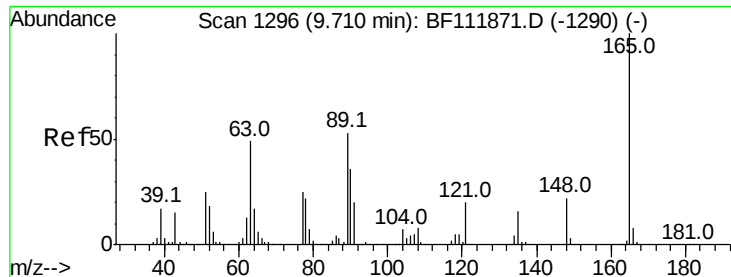
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.6	44.4
170	23.3	19.8	29.8



#50
Dimethylphthalate
Concen: 4.006 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	9.6	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 7.663 ng

RT: 9.91 min Scan# 1330

Delta R.T. 0.20 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

Instrument :

BNA_F

ClientSampleId :

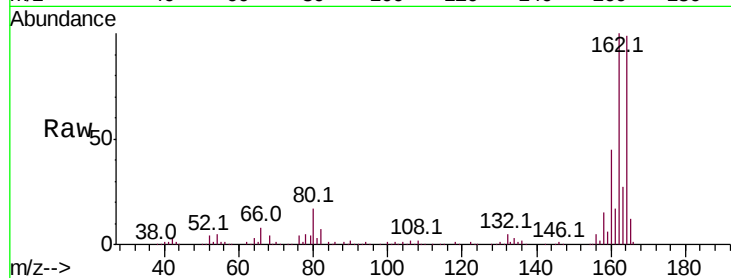
Tot Ion:165 Resp: 21623

Ion Ratio Lower Upper

165 100

63 1.6 46.2 69.2#

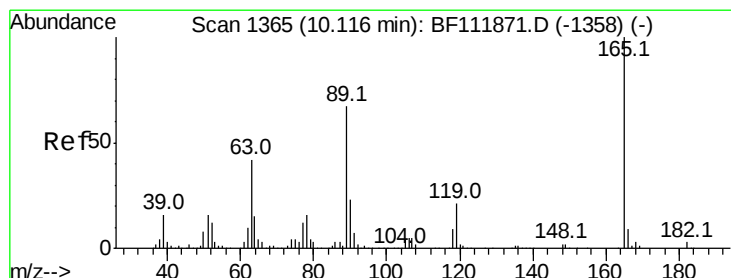
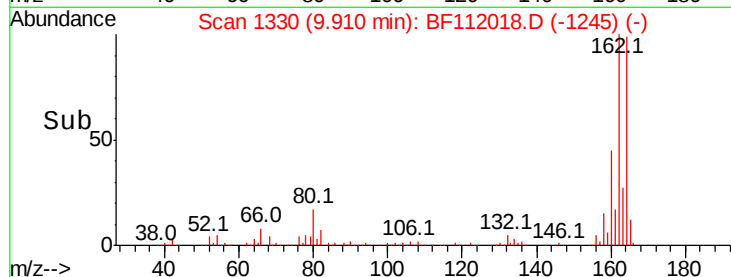
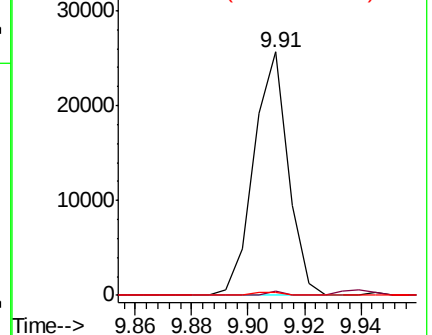
89 1.3 42.2 63.2#



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: 5.930 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.21 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

Tgt Ion:165 Resp: 21623

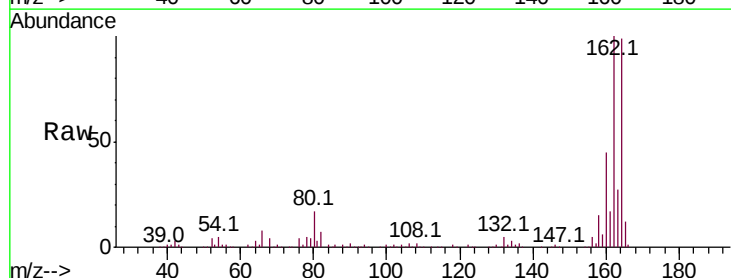
Ion Ratio Lower Upper

165 100

63 1.6 34.1 51.1#

89 1.3 53.5 80.3#

182 0.0 2.0 3.0#

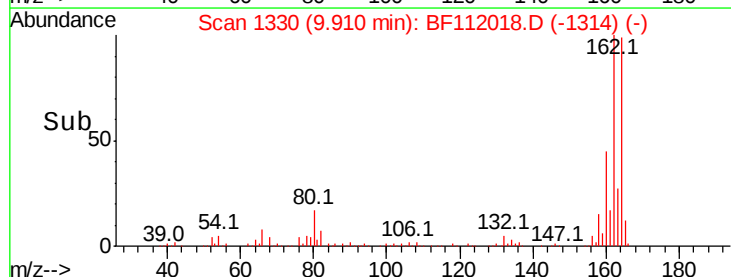
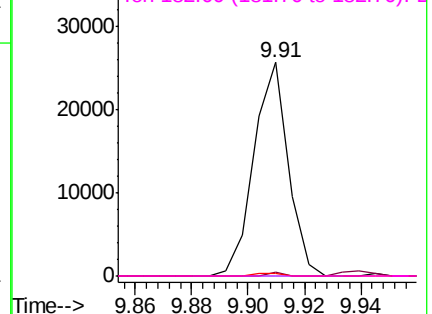


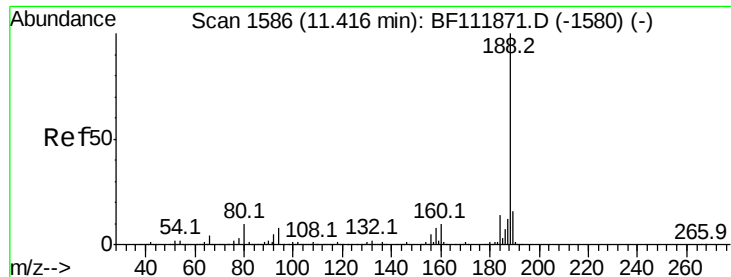
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

Instrument :

BNA_F

ClientSampleId :

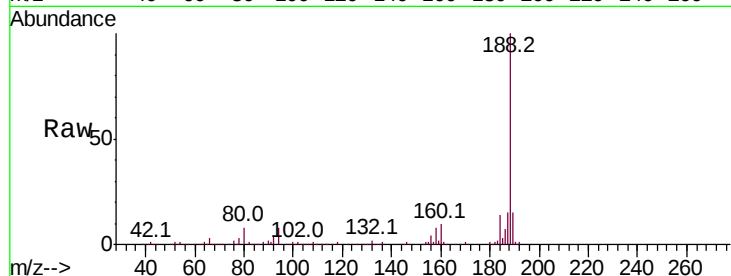
Tot Ion:188 Resp: 282890

Ion Ratio Lower Upper

188 100

94 7.6 6.6 10.0

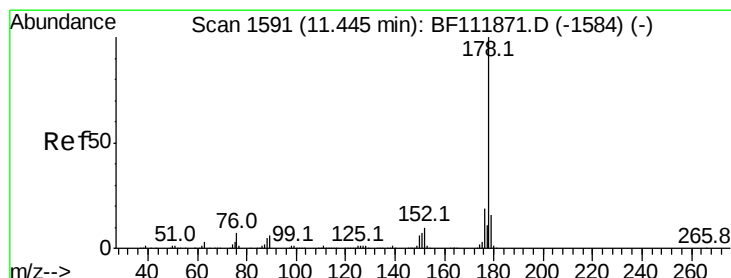
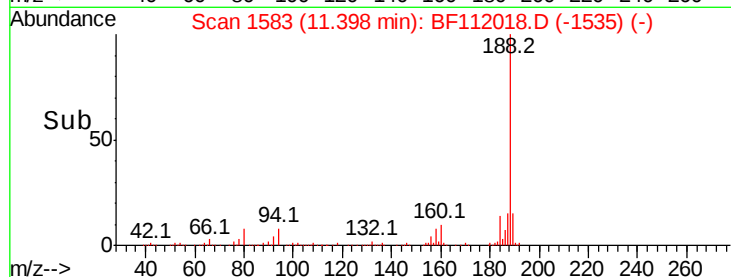
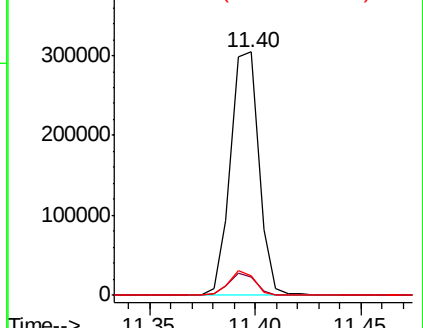
80 7.8 7.7 11.5



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



#71

Phenanthrene

Concen: 4.336 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.03 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

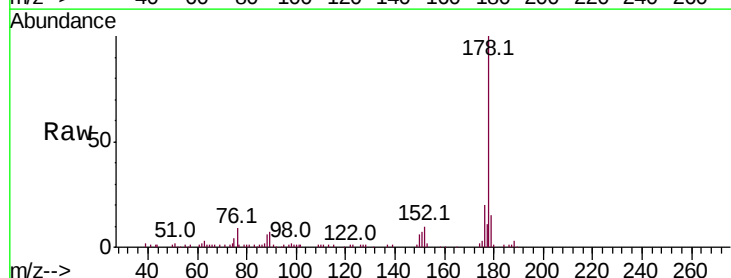
Tgt Ion:178 Resp: 65574

Ion Ratio Lower Upper

178 100

176 20.5 15.6 23.4

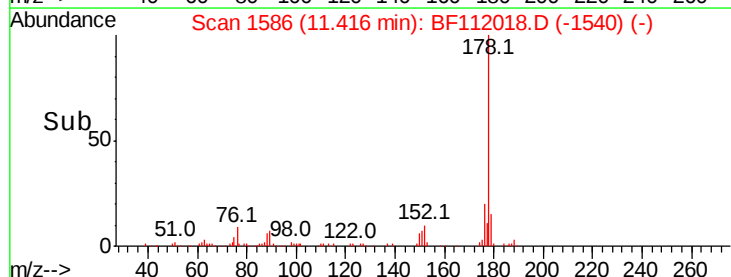
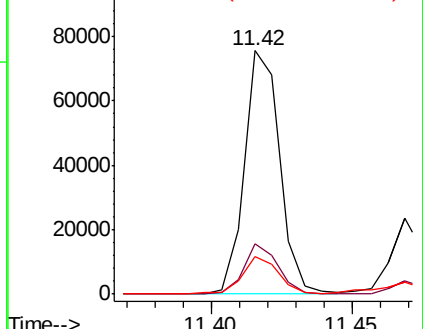
179 15.4 12.6 18.8

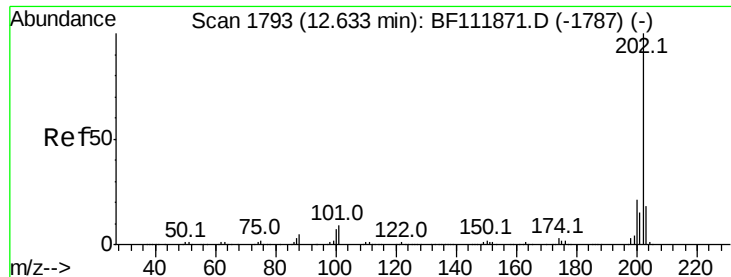


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.213 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

Instrument :

BNA_F

ClientSampleId :

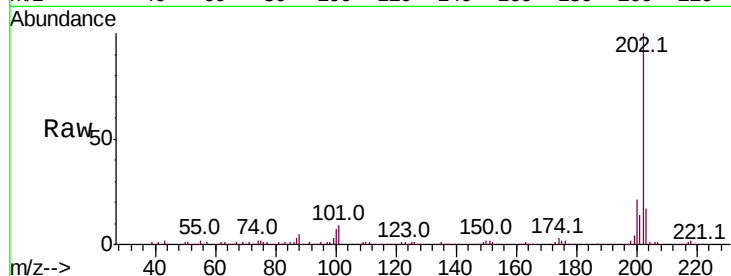
Tot Ion:202 Resp: 127521

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.3

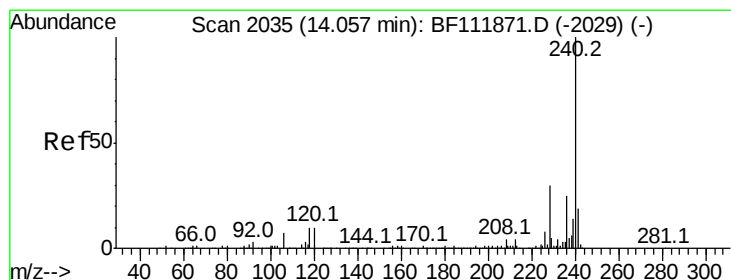
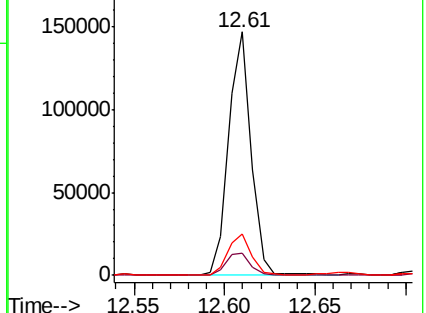
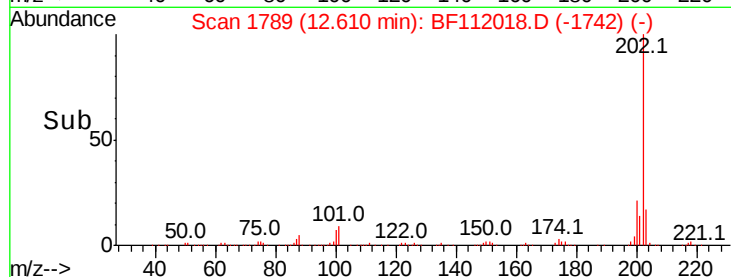
203 17.2 0.0 37.6



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: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

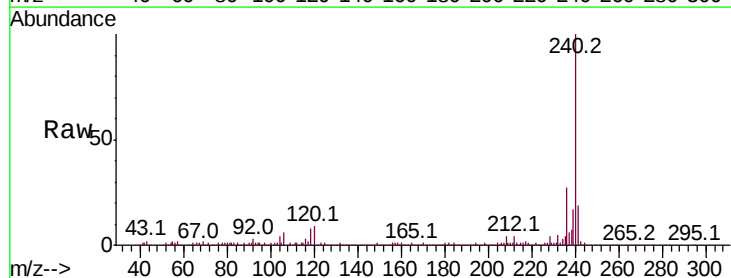
Tgt Ion:240 Resp: 287075

Ion Ratio Lower Upper

240 100

120 8.9 8.2 12.2

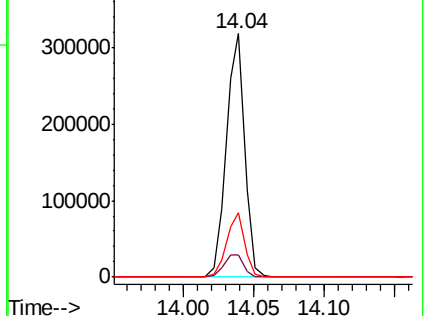
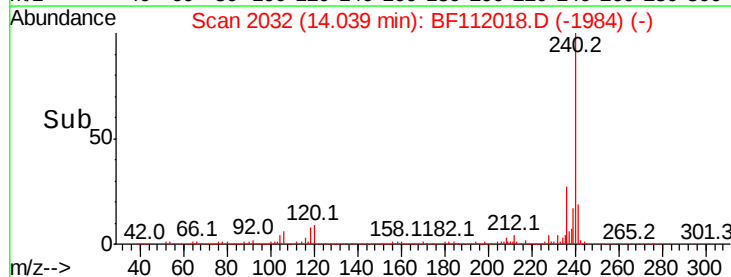
236 26.6 20.2 30.4

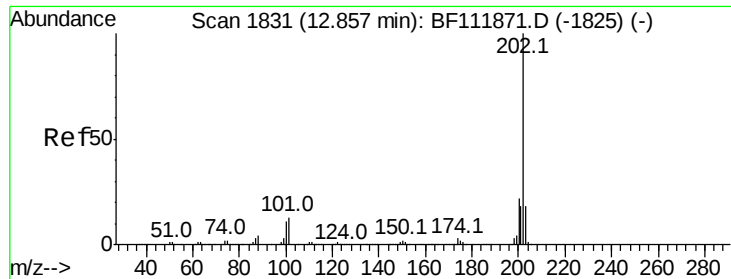


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

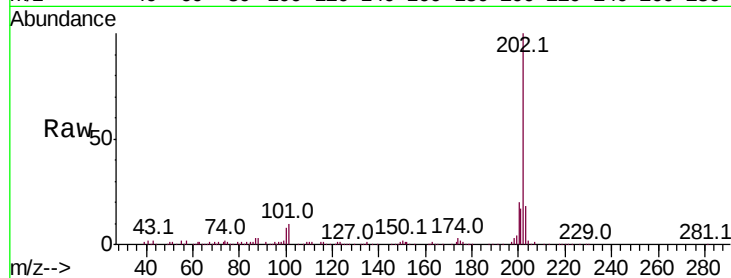




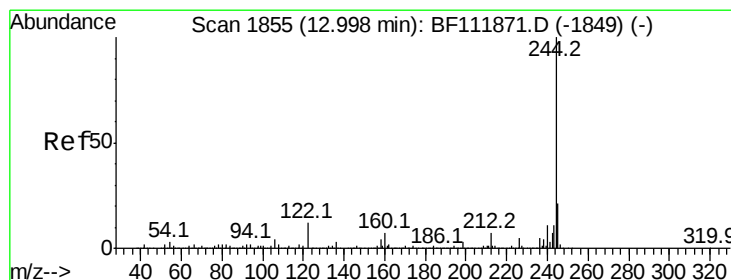
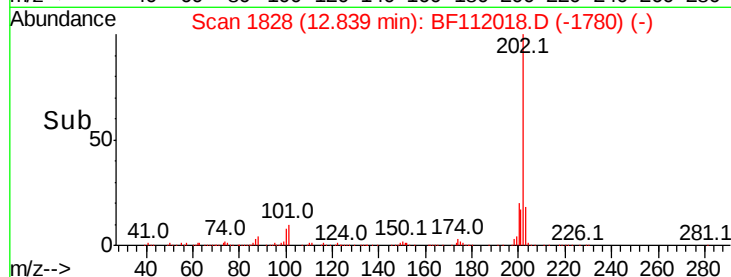
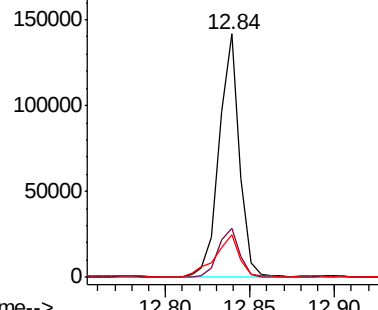
#78
Pvrene
Concen: 6.099 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 120476
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 17.5 14.6 21.8

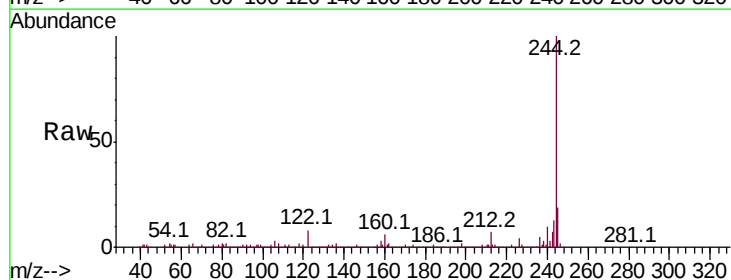


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

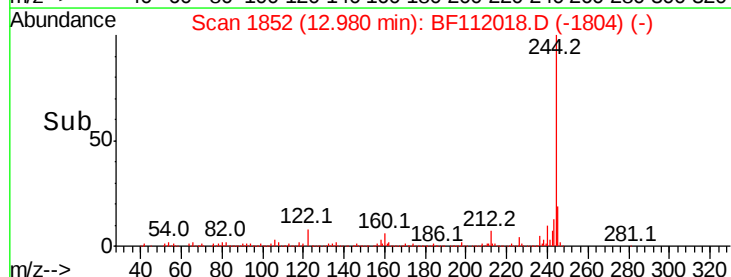
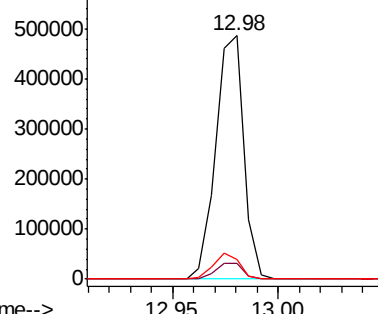


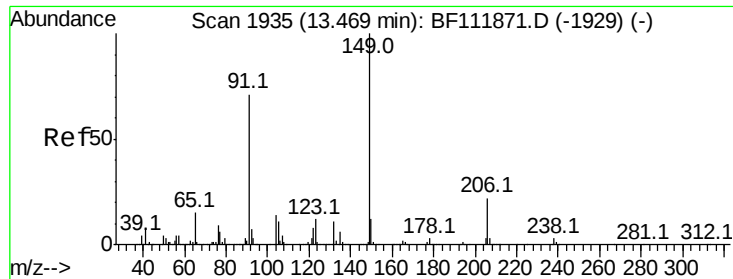
#79
Terphenyl-d14
Concen: 29.581 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion:244 Resp: 447368
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.8
122 8.2 9.5 14.3#



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

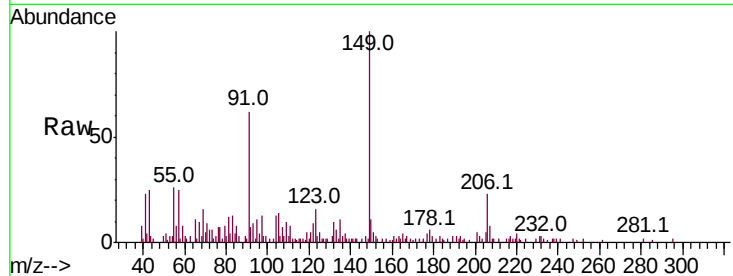




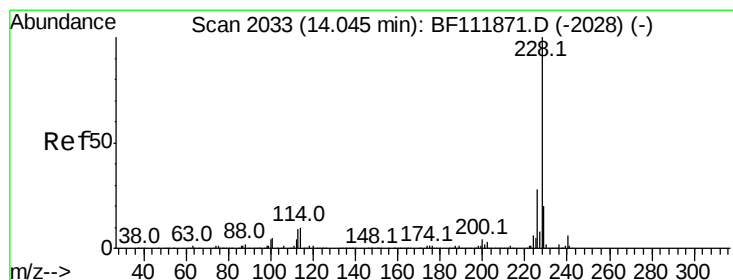
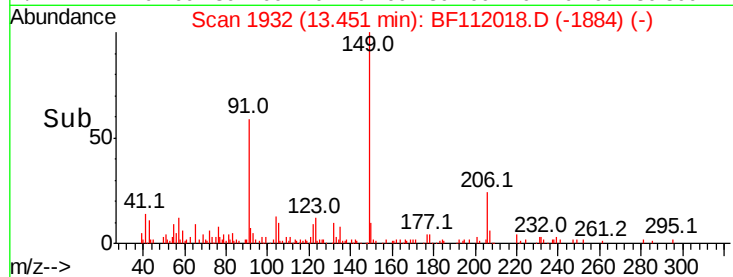
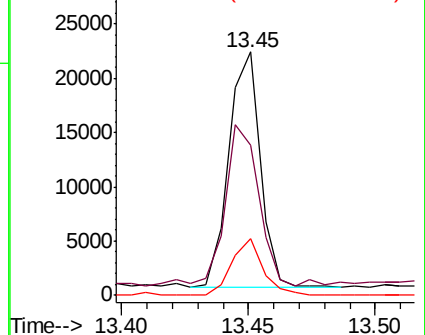
#80
Butylbenzylphthalate
Concen: 2.231 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
91	61.8	57.2	85.8
206	23.3	17.3	25.9

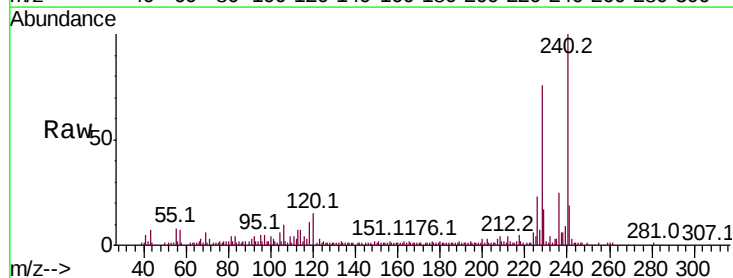


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

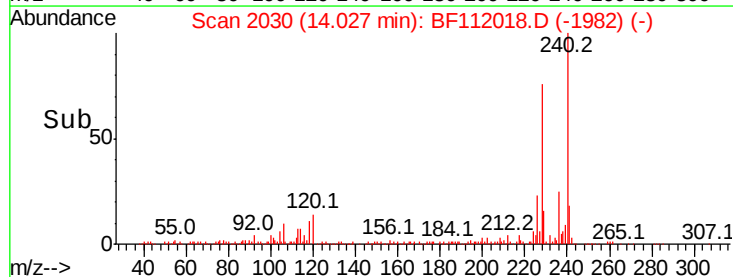
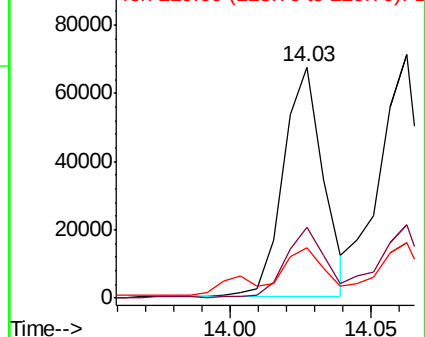


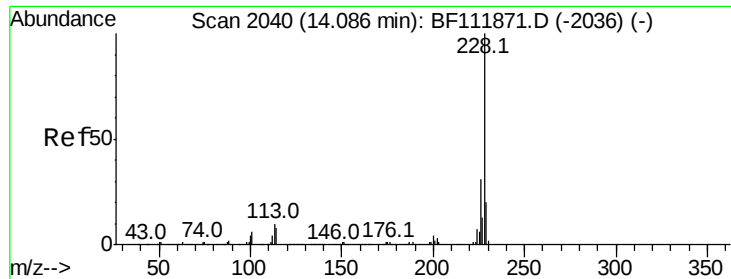
#81
Benzo(a)anthracene
Concen: 4.023 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.2	33.2
229	21.9	16.2	24.2



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

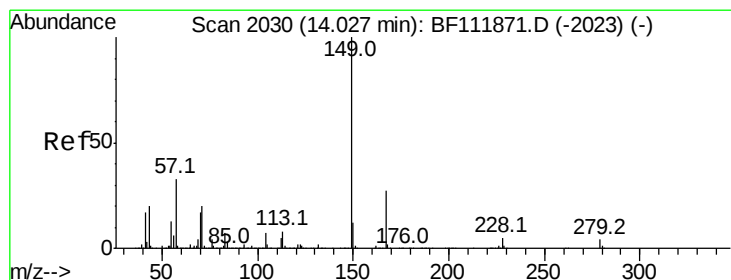
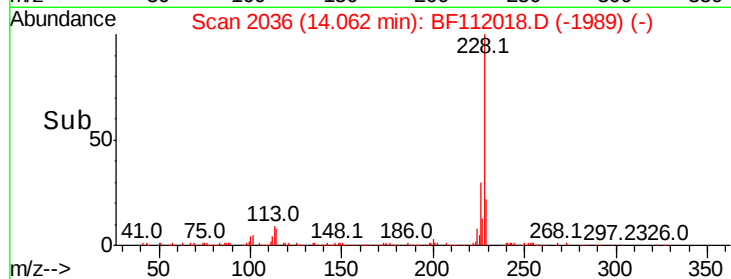
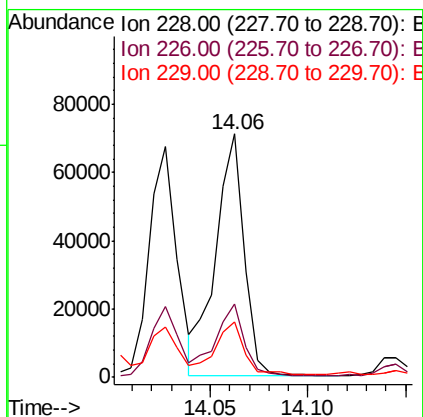
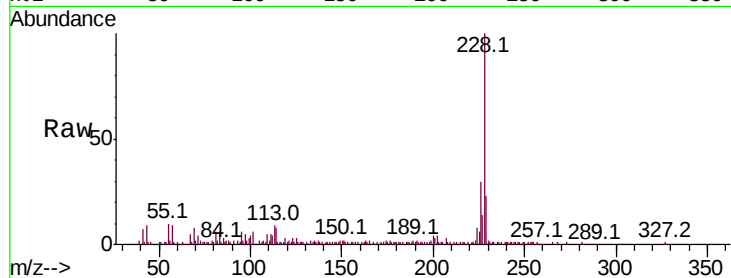




#83
 Chrysene
 Concen: 4.596 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. -0.02 min
 Lab File: BF112018.D
 Acq: 11 Jan 2019 16:34

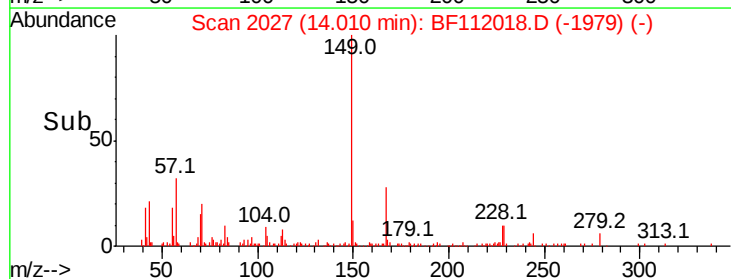
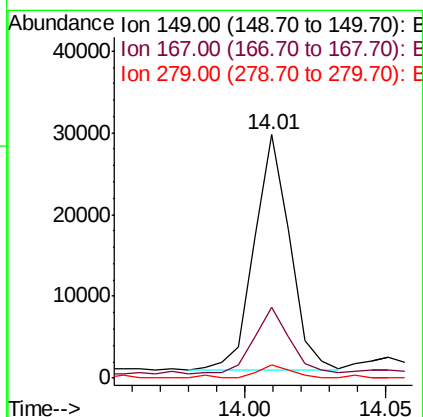
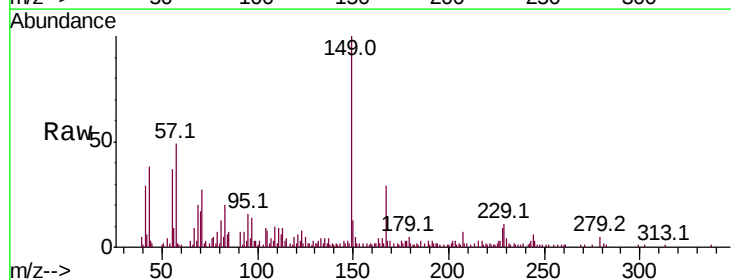
Instrument :
 BNA_F
 ClientSampleId :

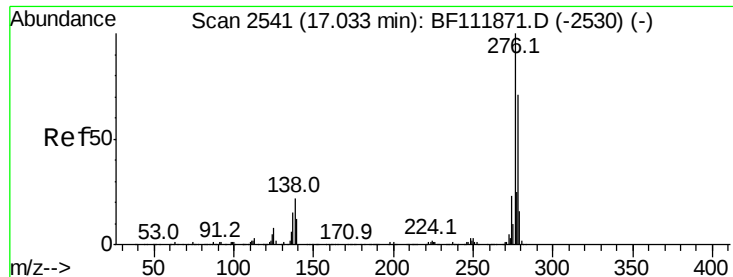
Tot Ion:228 Resp: 72408
 Ion Ratio Lower Upper
 228 100
 226 30.1 24.6 37.0
 229 22.8 15.7 23.5



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.268 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.02 min
 Lab File: BF112018.D
 Acq: 11 Jan 2019 16:34

Tgt Ion:149 Resp: 24872
 Ion Ratio Lower Upper
 149 100
 167 29.0 21.5 32.3
 279 5.5 3.0 4.6#

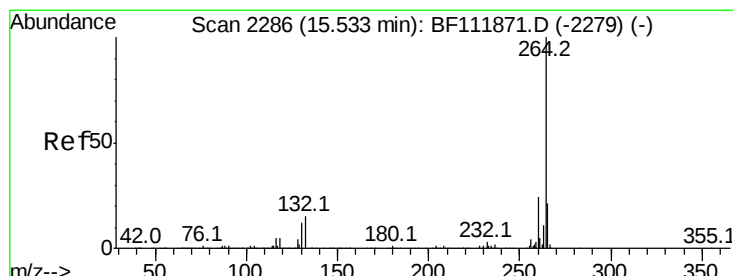
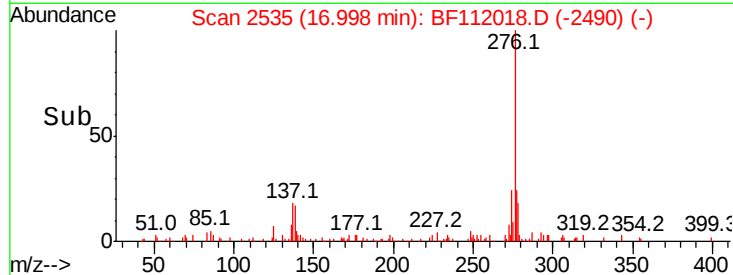
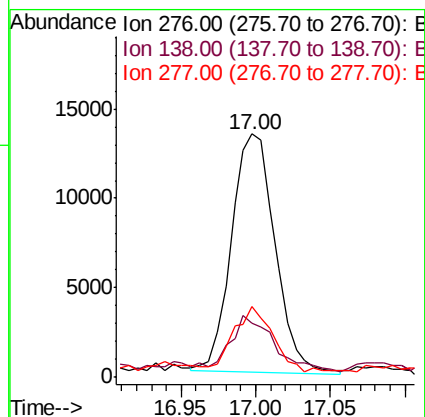
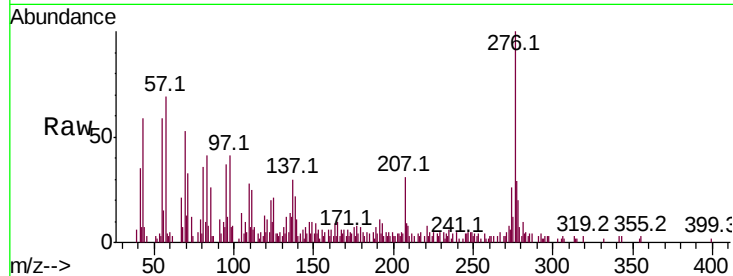




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.358 ng
RT: 17.00 min Scan# 2535
Delta R.T. -0.04 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

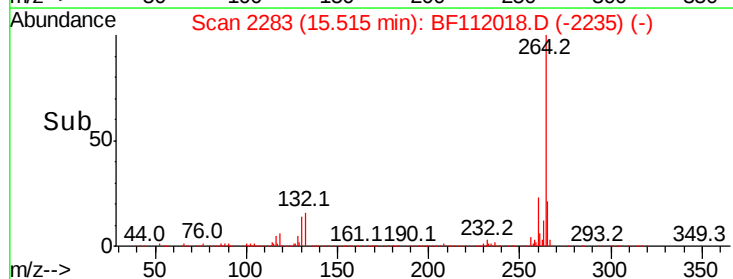
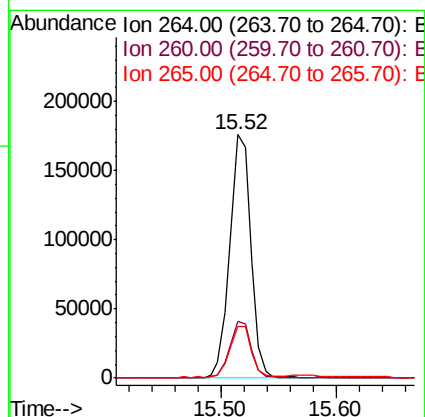
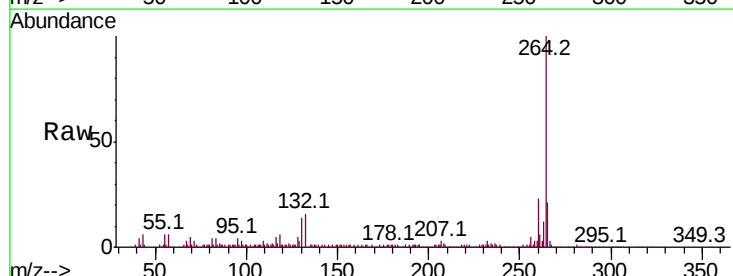
Instrument :
BNA_F
ClientSampleId :

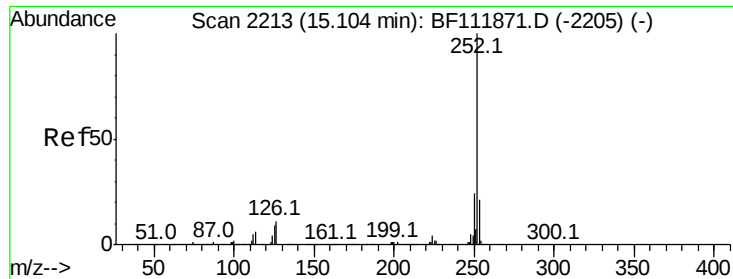
Tot Ion:276 Resp: 27080
Ion Ratio Lower Upper
276 100
138 23.0 18.1 27.1
277 24.2 19.9 29.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion:264 Resp: 221880
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 21.2 17.1 25.7

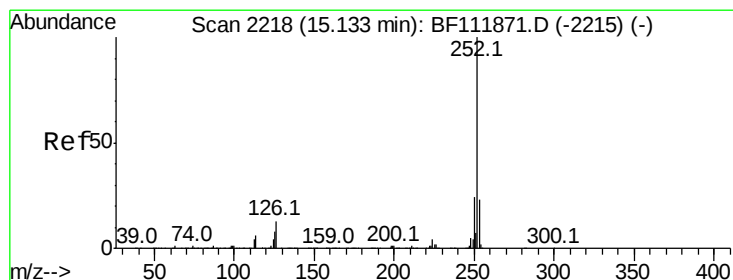
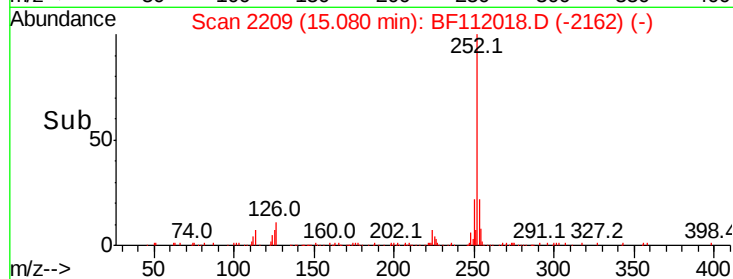
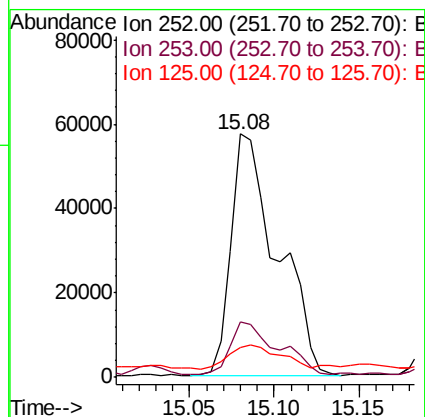
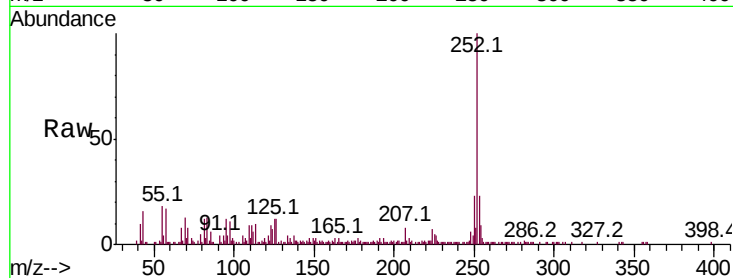




#88
Benzo(b)fluoranthene
Concen: 8.175 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

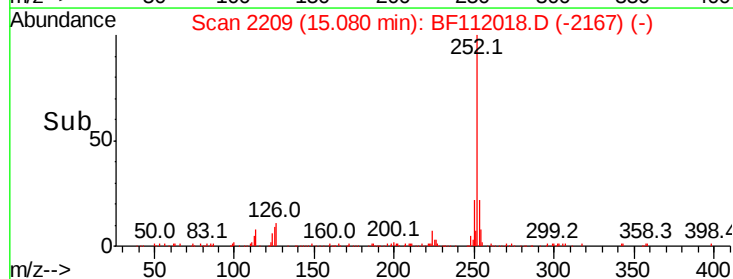
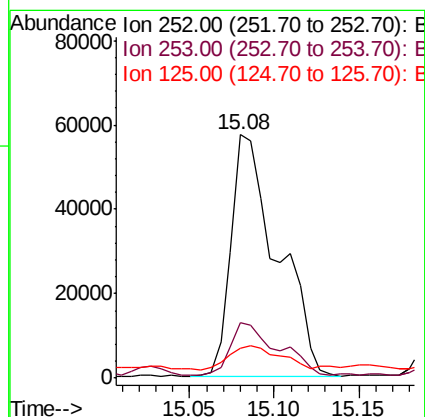
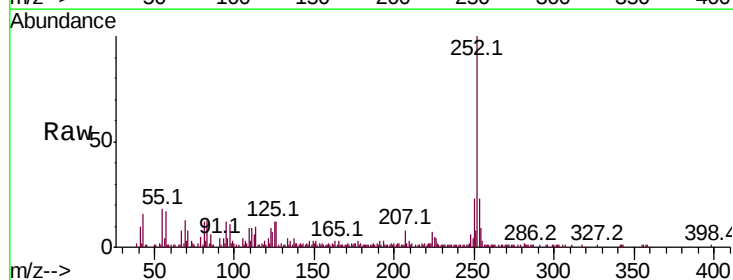
Instrument :
BNA_F
ClientSampleId :

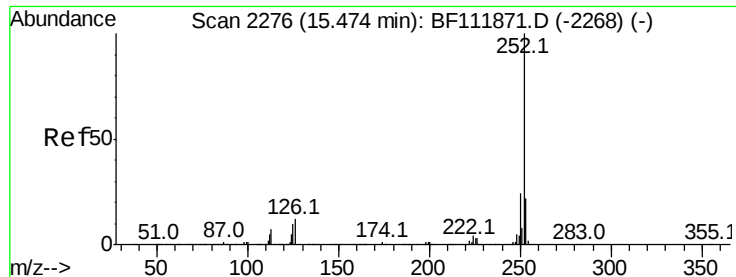
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.4	7.1	10.7



#89
Benzo(k)fluoranthene
Concen: 8.697 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.05 min
Lab File: BF112018.D
Acq: 11 Jan 2019 16:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.4	7.0	10.4





#90

Benzo(a)pyrene

Concen: 4.046 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.02 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

Instrument :

BNA_F

ClientSampled :

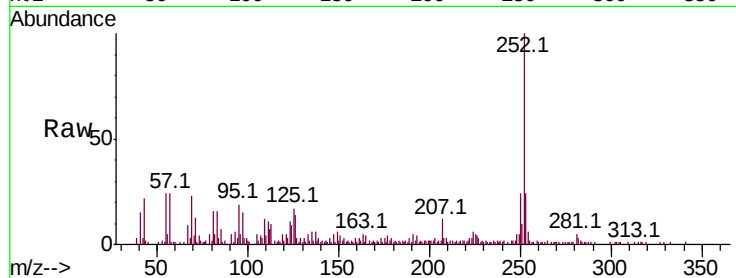
Tot Ion:252 Resp: 47218

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

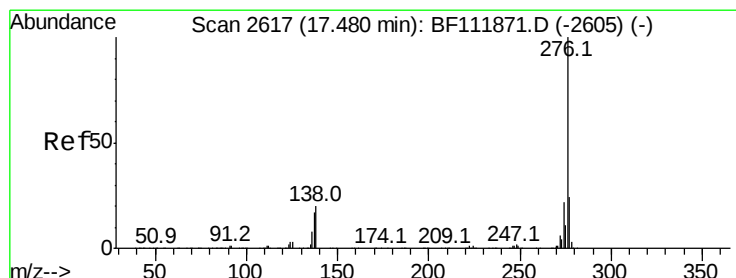
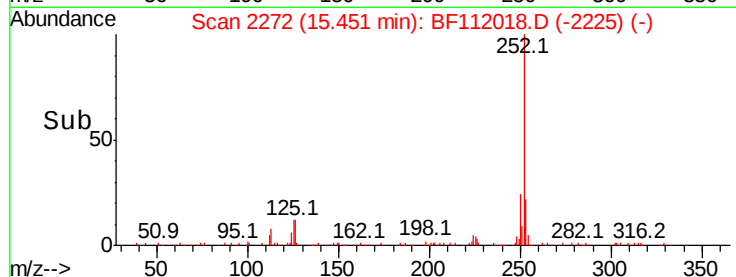
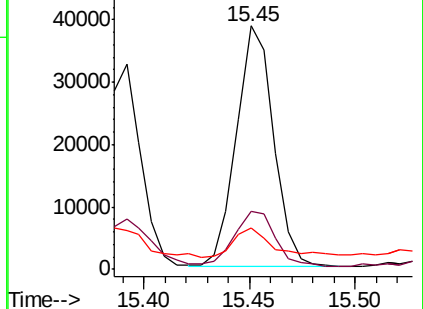
125 17.1 7.9 11.9#



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: 3.210 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.03 min

Lab File: BF112018.D

Acq: 11 Jan 2019 16:34

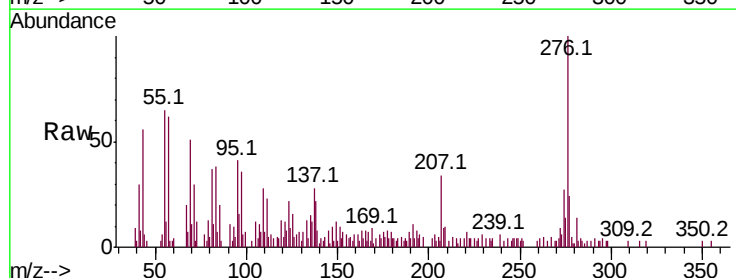
Tgt Ion:276 Resp: 29474

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 21.5 16.2 24.2



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

