

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
 Data File : BF111535.D
 Acq On : 17 Dec 2018 13:16
 Operator : JU/SJ
 Sample : J6386-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Quant Time: Dec 18 04:08:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 14 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	165557	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	630044	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	259999	20.00	ng	-0.01
64) Phenanthrene-d10	11.30	188	496871	20.00	ng	-0.01
76) Chrysene-d12	13.94	240	460736	20.00	ng	0.00
87) Perylene-d12	15.39	264	406919	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	1083596	108.92	ng	0.00
7) Phenol-d6	6.44	99	1335793	100.94	ng	0.00
23) Nitrobenzene-d5	7.35	82	831568	78.60	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	196122	84.21	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	1272316	75.59	ng	-0.01
79) Terphenyl-d14	12.89	244	1156498	58.94	ng	0.00

Target Compounds

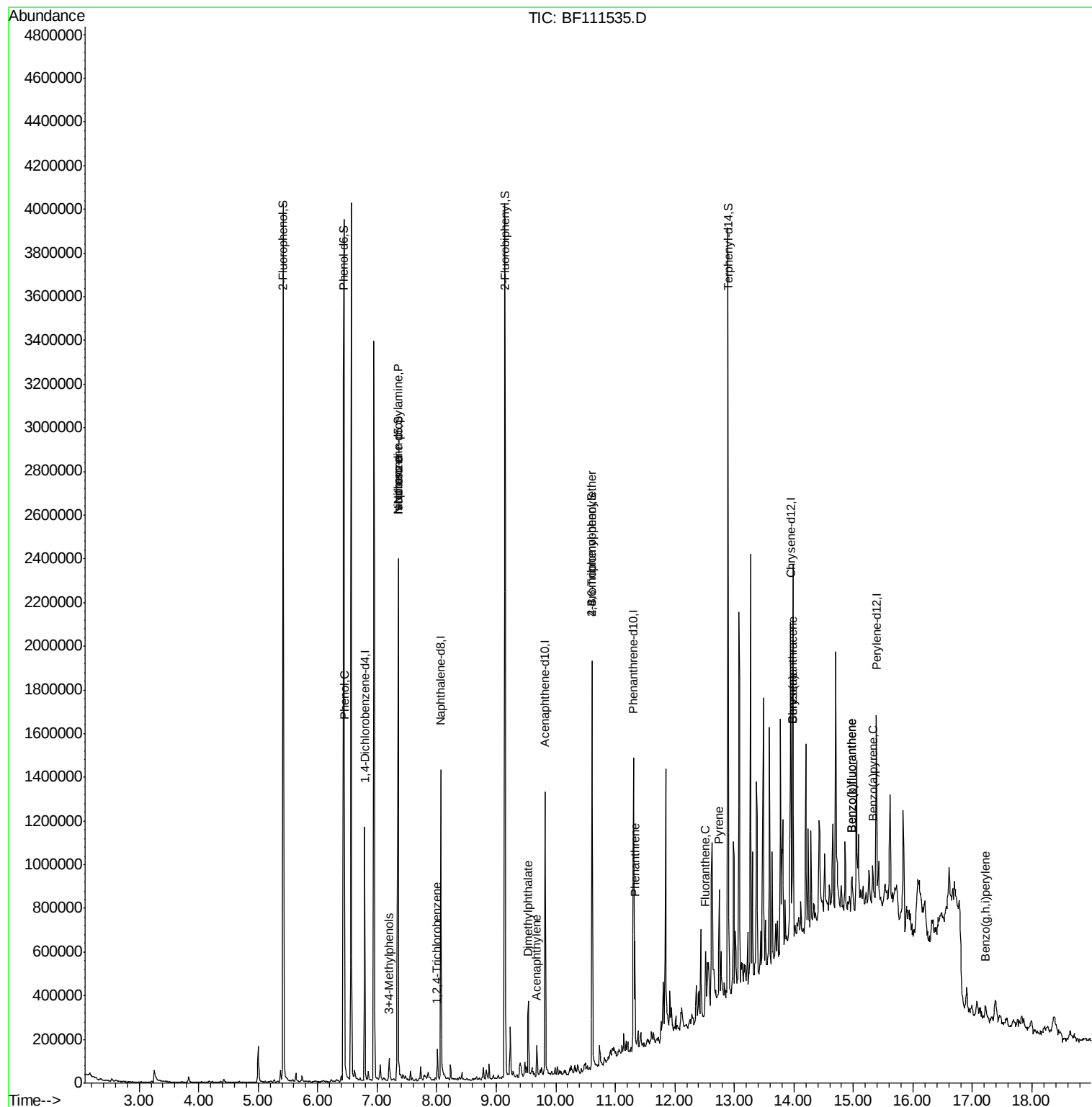
						Qvalue
10) Phenol	6.45	94	103372	7.012	ng	93
19) n-Nitroso-di-n-propylamine	7.35	70	109010	12.485	ng	# 78
20) 3+4-Methylphenols	7.20	107	31550	2.629	ng	# 59
25) Isophorone	7.35	82	831561	46.450	ng	# 64
30) 1,2,4-Trichlorobenzene	8.01	180	24896	2.745	ng	94
49) Acenaphthylene	9.68	152	56672	2.280	ng	94
50) Dimethylphthalate	9.54	163	127528	6.811	ng	98
67) 4-Bromophenyl-phenylether	10.61	248	12944	2.417	ng	# 1
71) Phenanthrene	11.33	178	183443	7.165	ng	# 93
75) Fluoranthene	12.52	202	118866	4.746	ng	100
78) Pyrene	12.74	202	210191	6.471	ng	95
81) Benzo(a)anthracene	13.97	228	76081	3.037	ng	94
83) Chrysene	13.97	228	76081	2.883	ng	99
88) Benzo(b)fluoranthene	14.97	252	95314	4.018	ng	# 85
89) Benzo(k)fluoranthene	14.97	252	95314	4.205	ng	# 85
90) Benzo(a)pyrene	15.33	252	71315	3.334	ng	# 91
92) Benzo(g,h,i)perylene	17.23	276	33200	2.004	ng	# 92

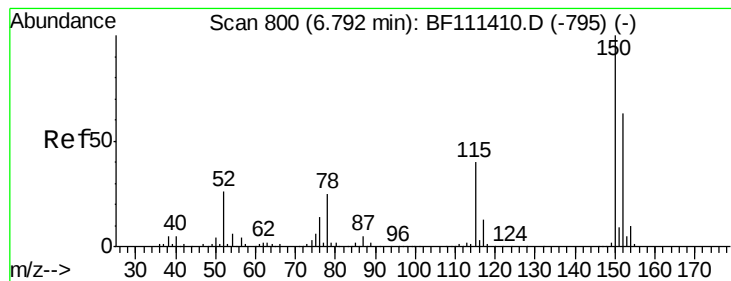
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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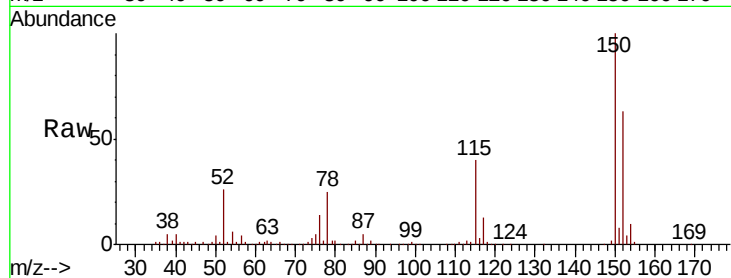




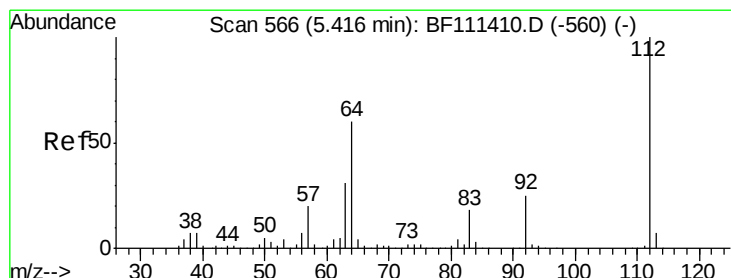
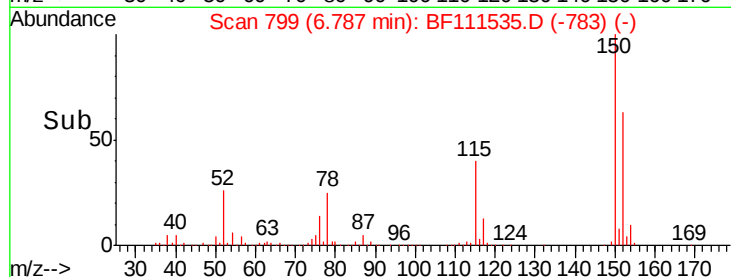
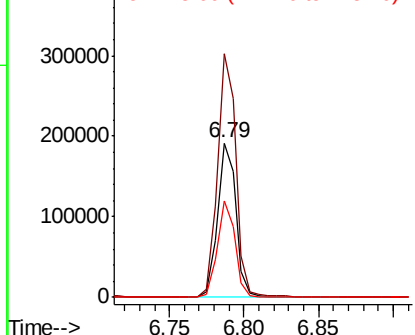
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Tgt Ion:152 Resp: 165557
 Ion Ratio Lower Upper
 152 100
 150 157.9 126.6 189.8
 115 62.7 50.7 76.1

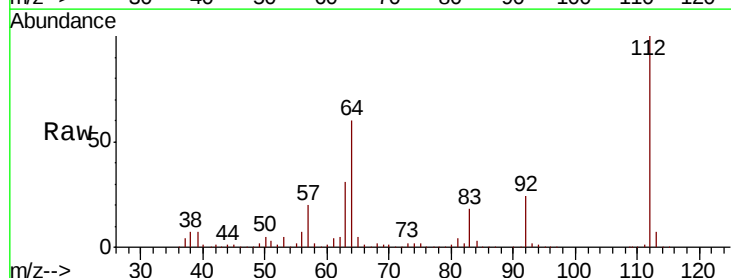


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

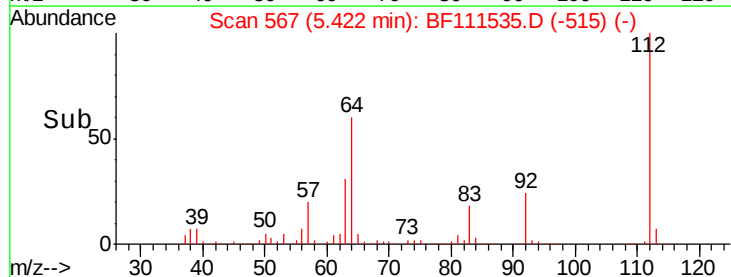
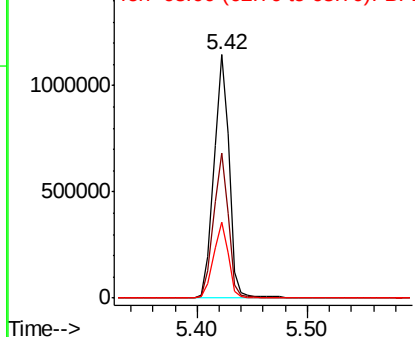


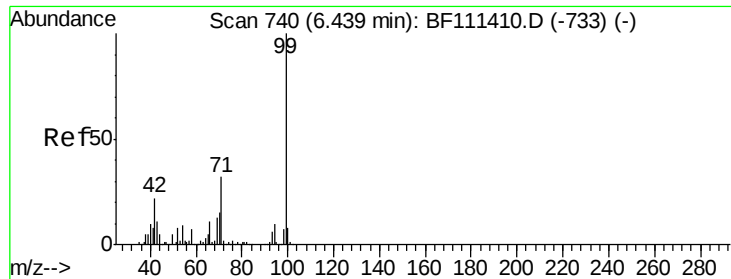
#5
 2-Fluorophenol
 Concen: 108.915 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Tgt Ion:112 Resp: 1083596
 Ion Ratio Lower Upper
 112 100
 64 59.8 51.8 77.6
 63 31.3 26.8 40.2



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: 100.937 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0006-01

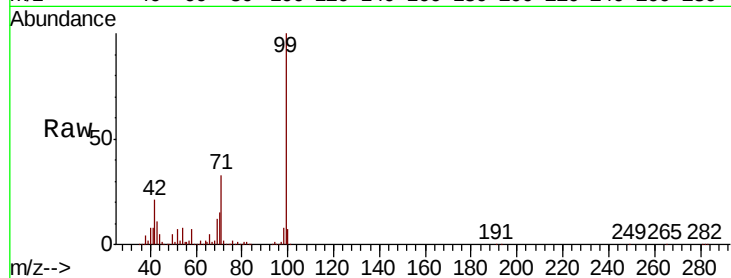
Tgt Ion: 99 Resp: 1335793

Ion Ratio Lower Upper

99 100

42 21.3 17.4 26.0

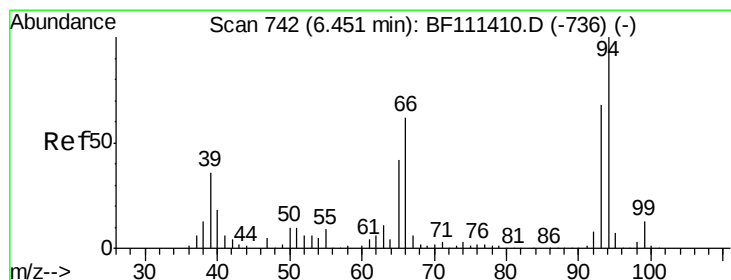
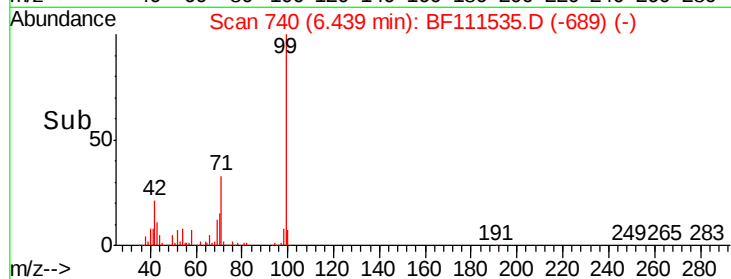
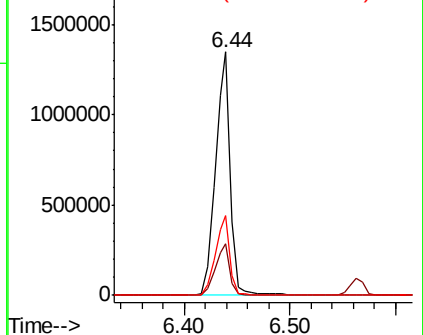
71 32.6 26.1 39.1



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: 7.012 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

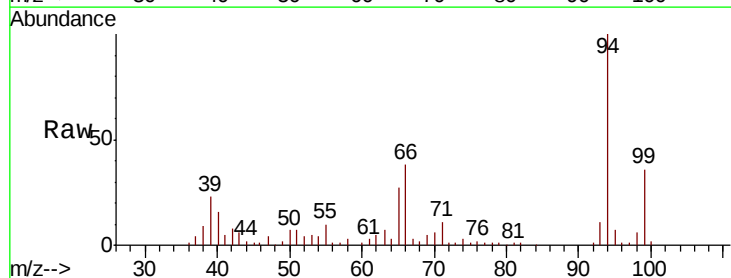
Tgt Ion: 94 Resp: 103372

Ion Ratio Lower Upper

94 100

65 26.9 11.7 51.7

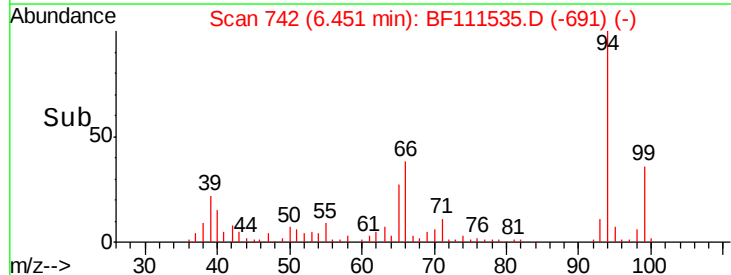
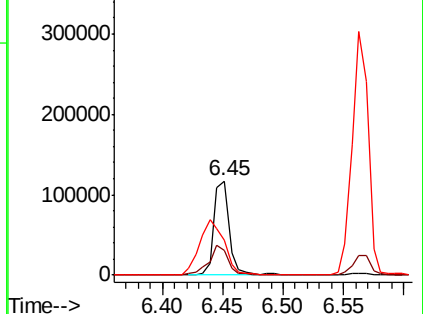
66 37.8 21.0 61.0

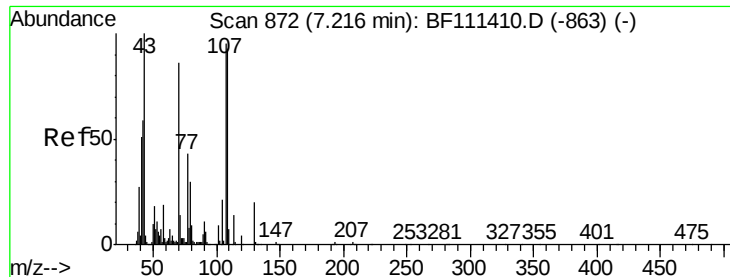


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

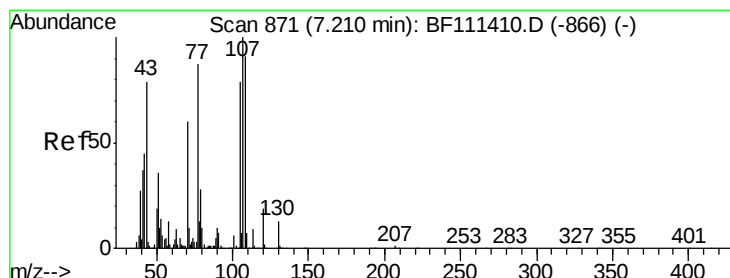
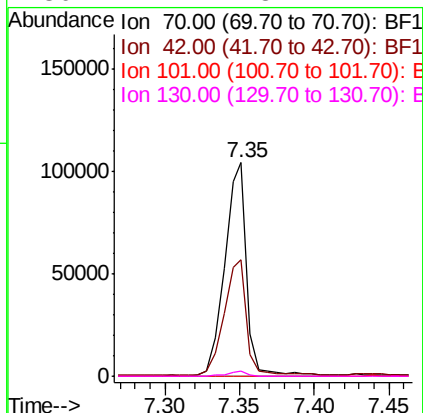
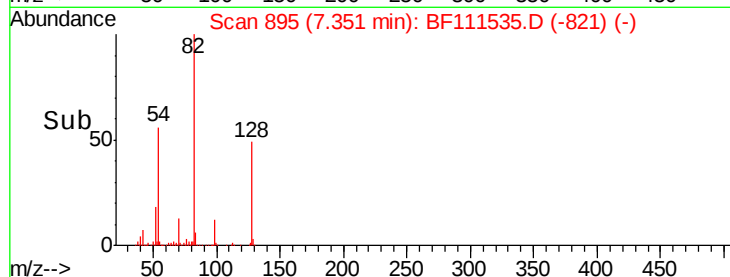
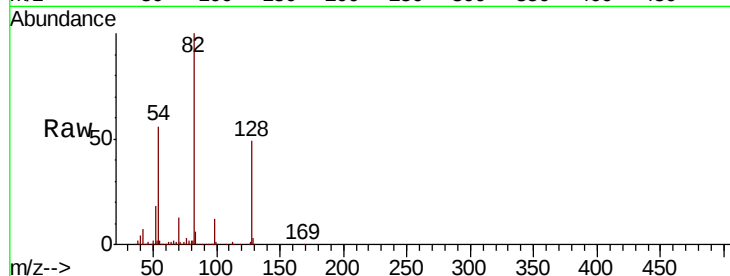




#19
n-Nitroso-di-n-propylamine
Concen: 12.485 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.14 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

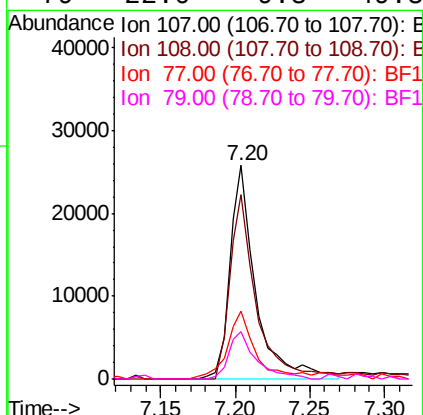
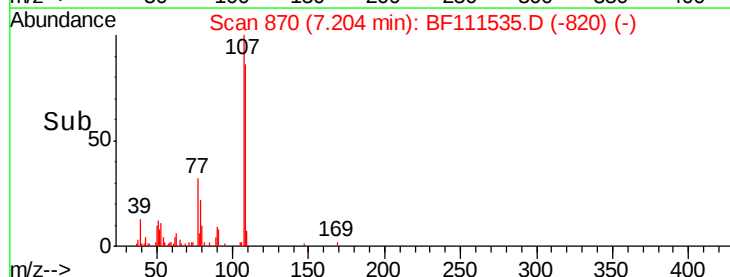
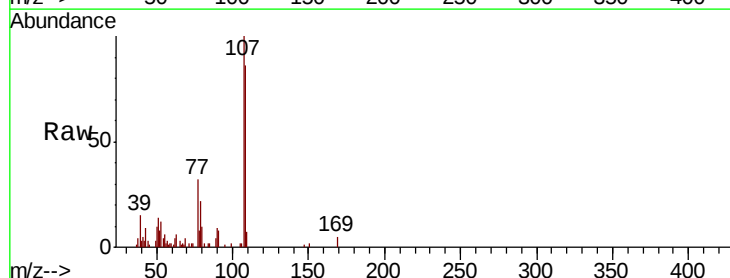
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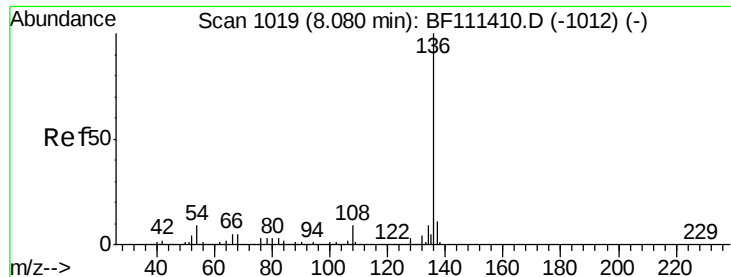
Tgt Ion: 70 Resp: 109010
Ion Ratio Lower Upper
70 100
42 54.6 53.2 79.8
101 0.0 8.2 12.4#
130 2.2 18.1 27.1#



#20
3+4-Methylphenols
Concen: 2.629 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion: 107 Resp: 31550
Ion Ratio Lower Upper
107 100
108 86.3 72.1 112.1
77 31.9 94.1 134.1#
79 22.0 9.8 49.8

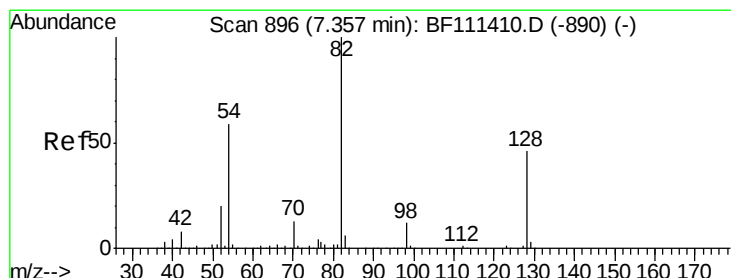
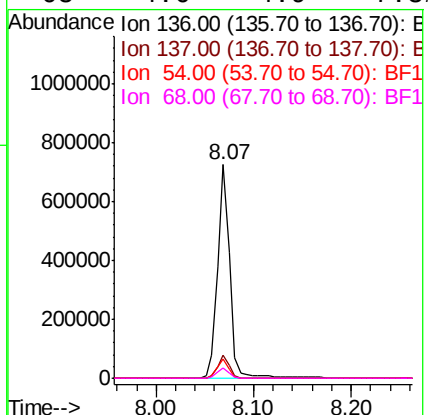
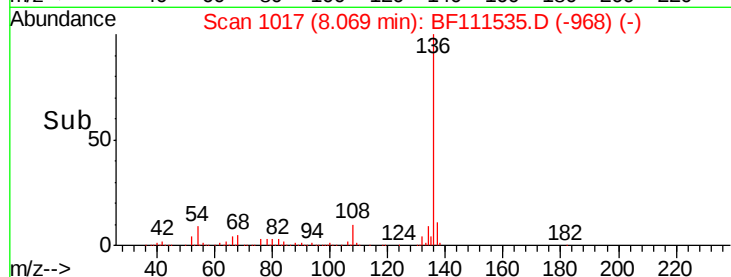
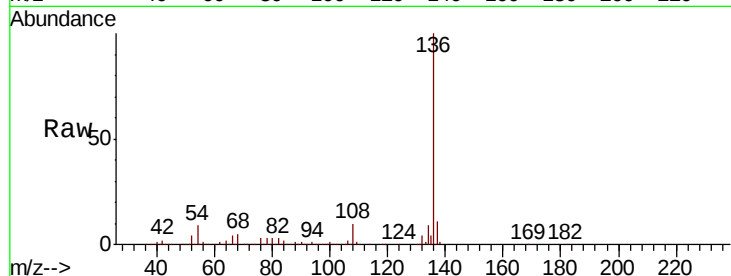




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

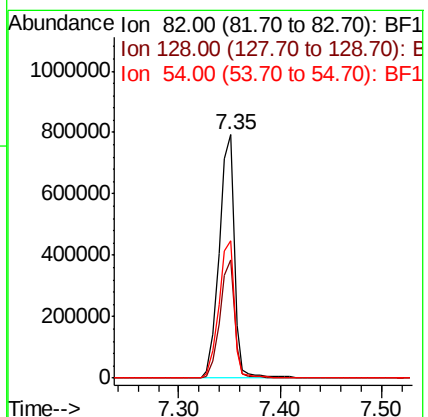
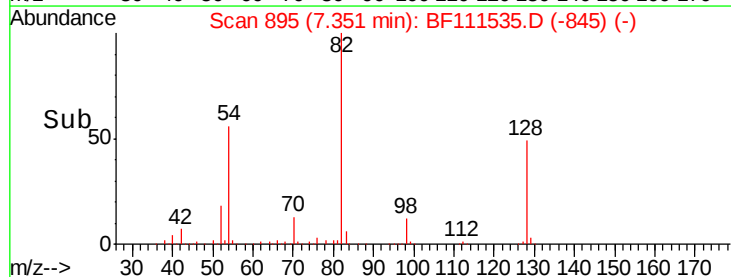
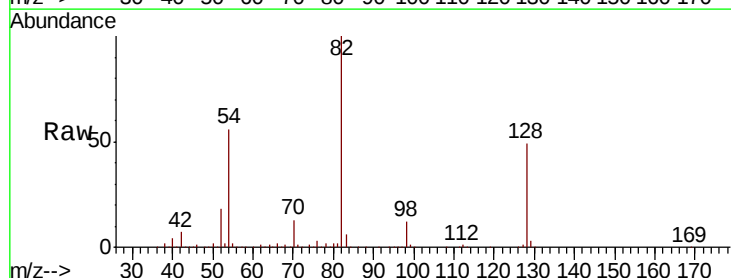
Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

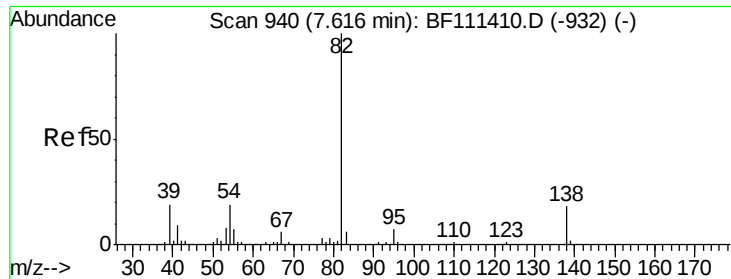
Tgt Ion:	136	Resp:	630044
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	9.1	7.7	11.5
68	4.6	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 78.596 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion:	82	Resp:	831568
Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.4	56.2
54	56.2	47.6	71.4





#25

Isophorone

Concen: 46.450 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.26 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0006-01

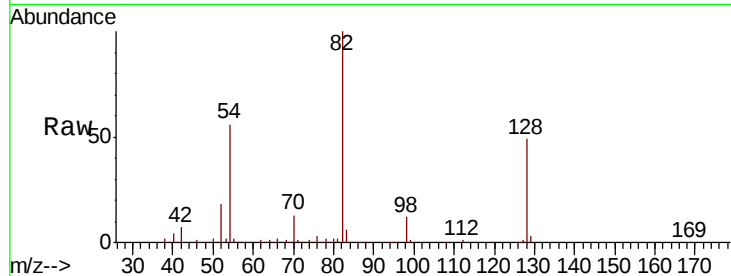
Tgt Ion: 82 Resp: 831561

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

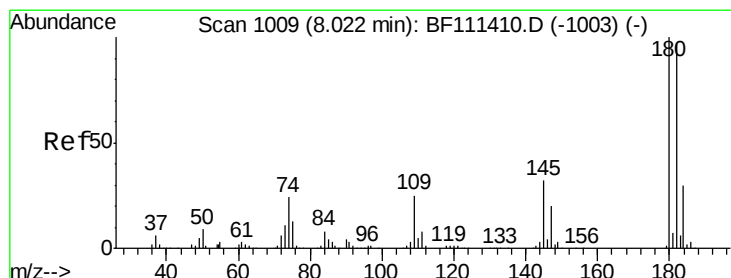
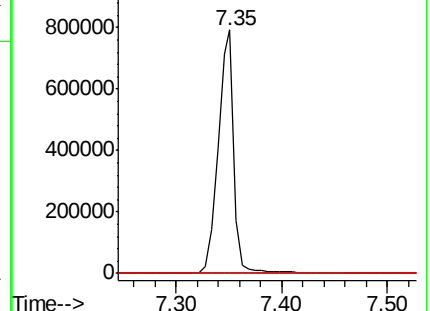
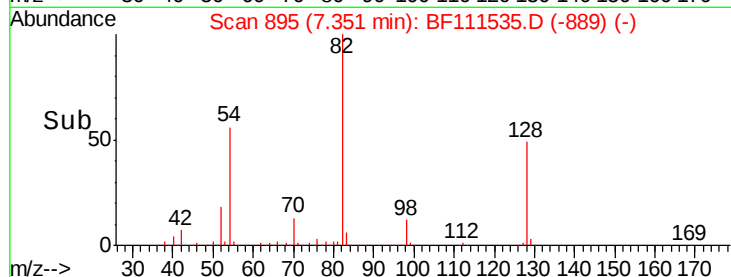
138 0.0 15.1 22.7#



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



#30

1,2,4-Trichlorobenzene

Concen: 2.745 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

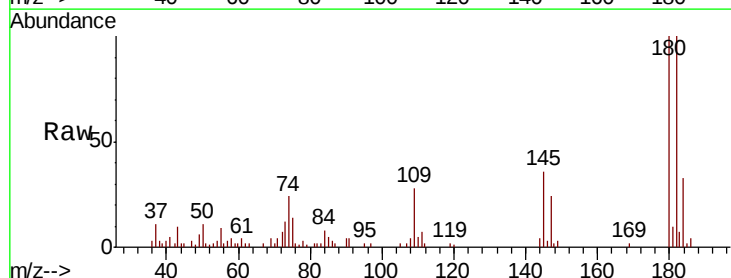
Tgt Ion: 180 Resp: 24896

Ion Ratio Lower Upper

180 100

182 100.5 75.6 113.4

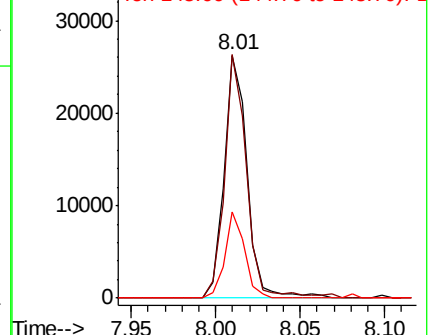
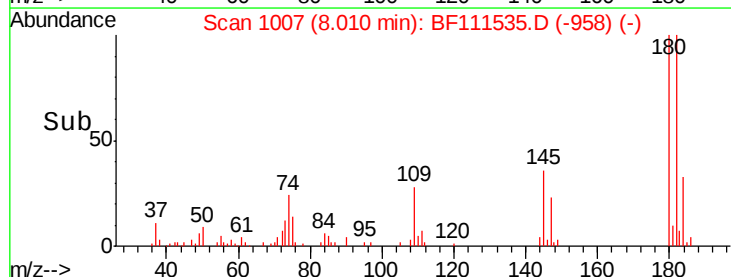
145 35.8 26.7 40.1

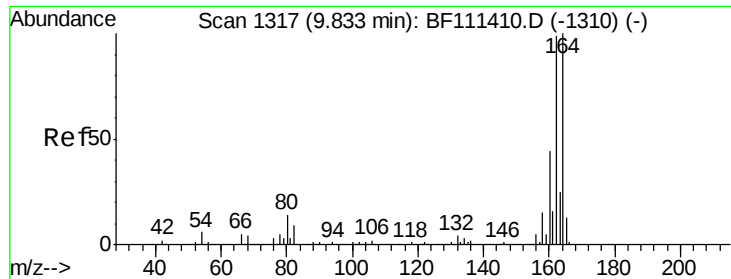


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

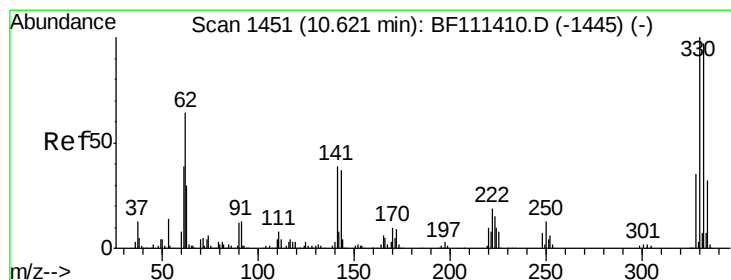
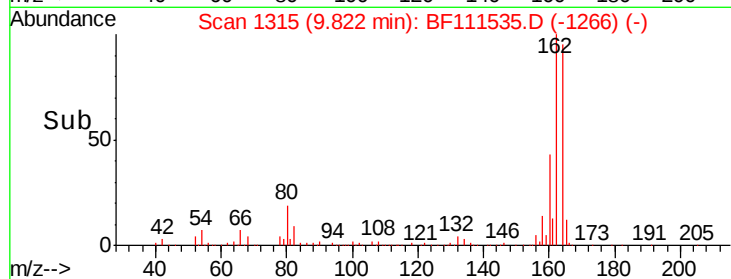
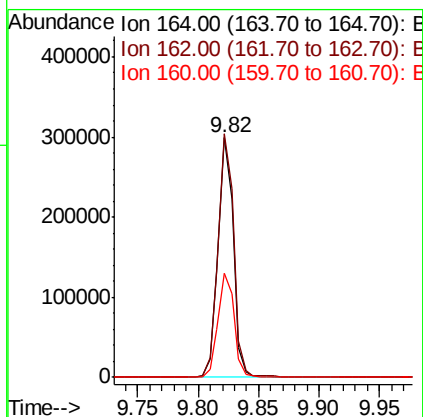
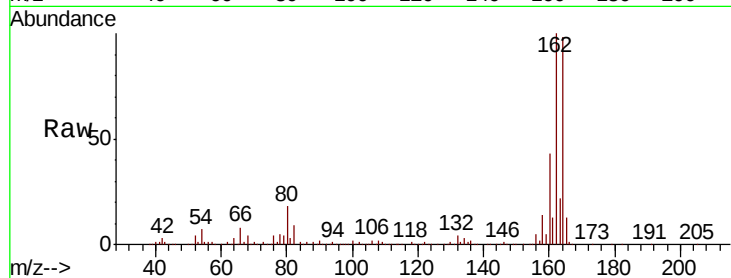




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

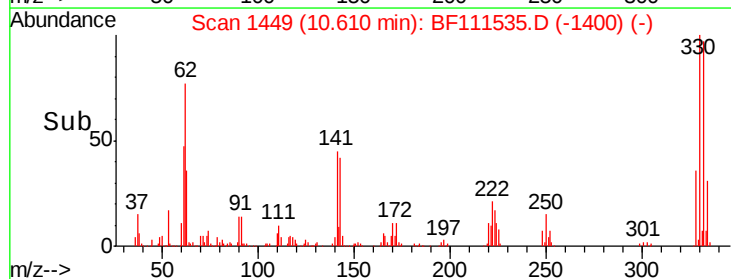
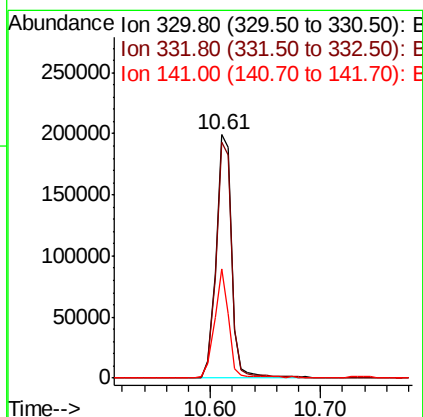
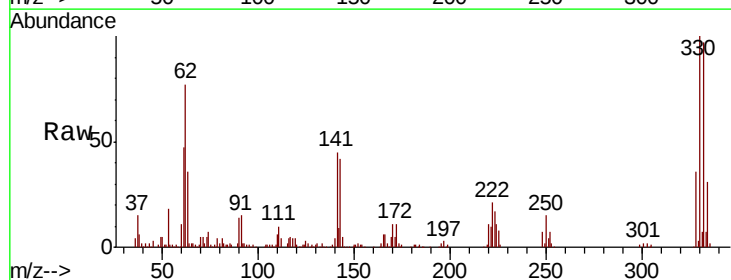
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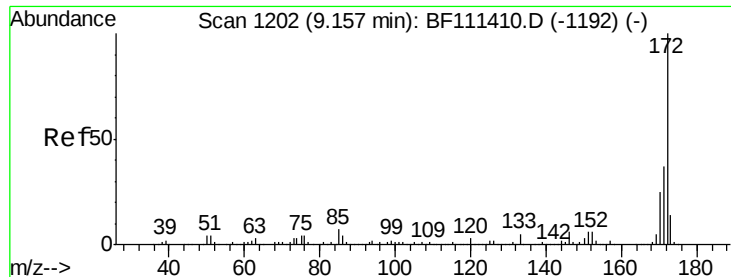
Tgt Ion:164 Resp: 259999
 Ion Ratio Lower Upper
 164 100
 162 101.7 81.4 122.0
 160 43.7 35.7 53.5



#42
 2,4,6-Tribromophenol
 Concen: 84.207 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Tgt Ion:330 Resp: 196122
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.0 114.0
 141 38.9 31.0 46.6

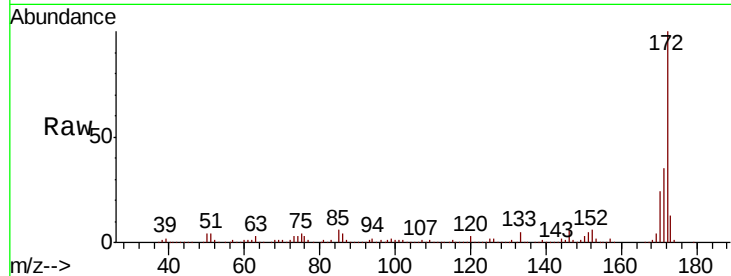




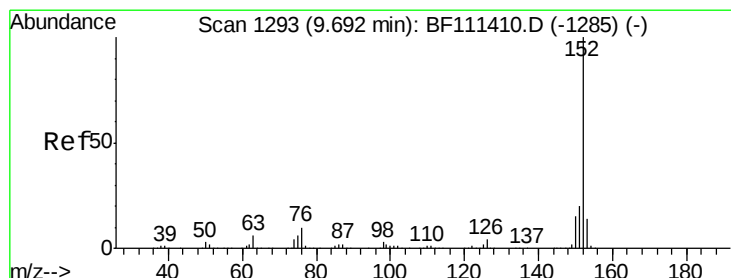
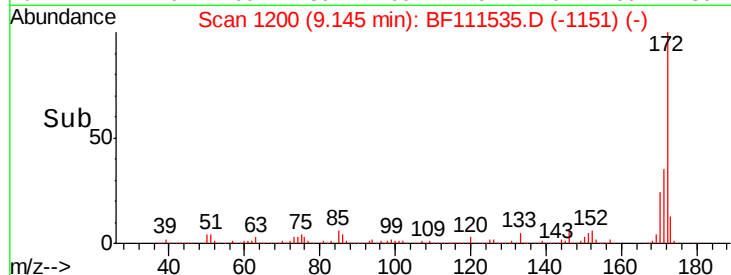
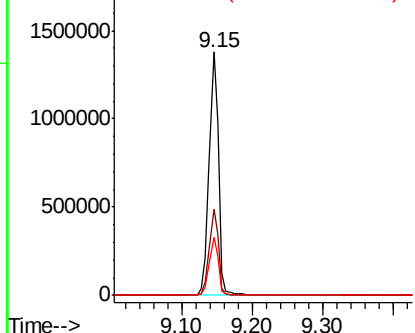
#45
 2-Fluorobiphenyl
 Concen: 75.588 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Tgt Ion:172 Resp: 1272316
 Ion Ratio Lower Upper
 172 100
 171 35.3 33.0 49.4
 170 23.6 22.3 33.5

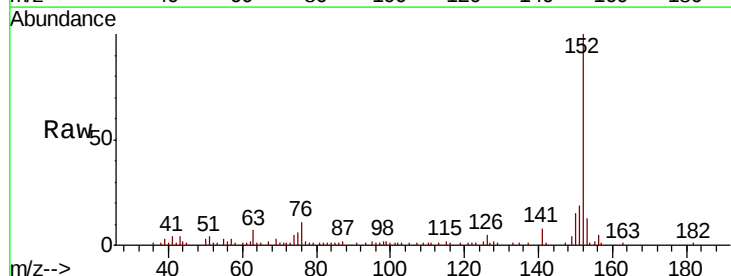


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

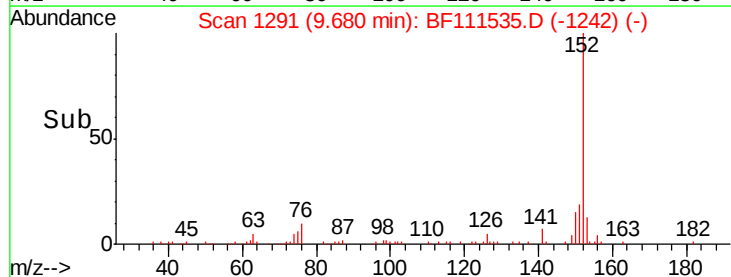
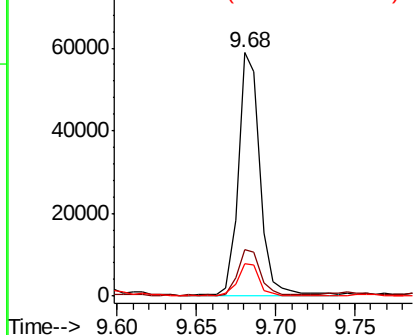


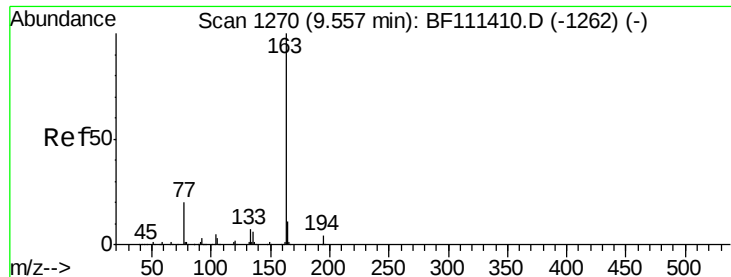
#49
 Acenaphthylene
 Concen: 2.280 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Tgt Ion:152 Resp: 56672
 Ion Ratio Lower Upper
 152 100
 151 19.1 18.0 27.0
 153 13.3 12.3 18.5



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

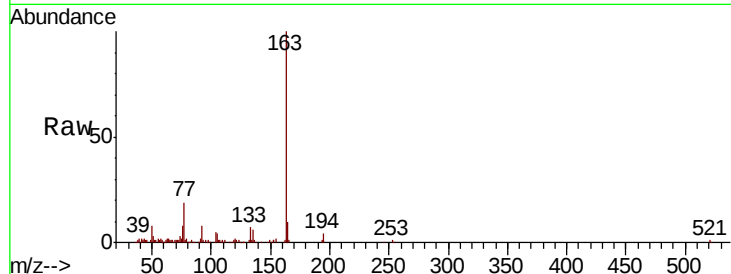




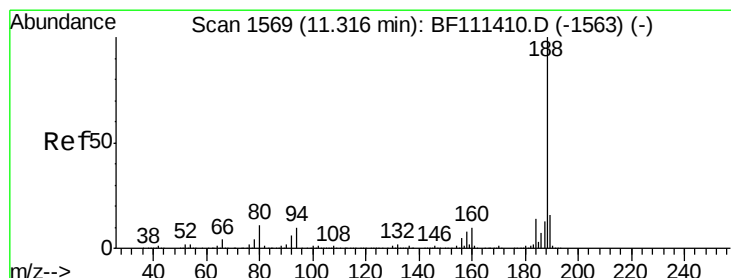
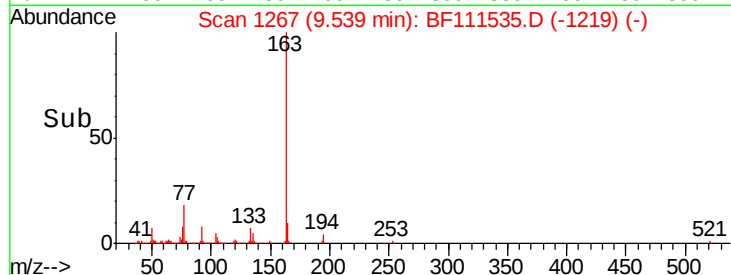
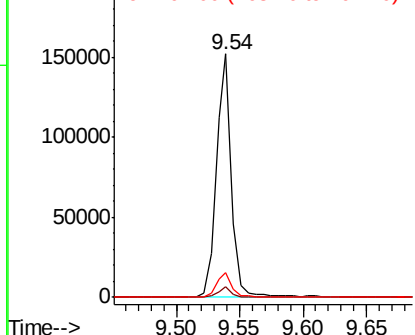
#50
Dimethylphthalate
Concen: 6.811 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	10.4	8.9	13.3

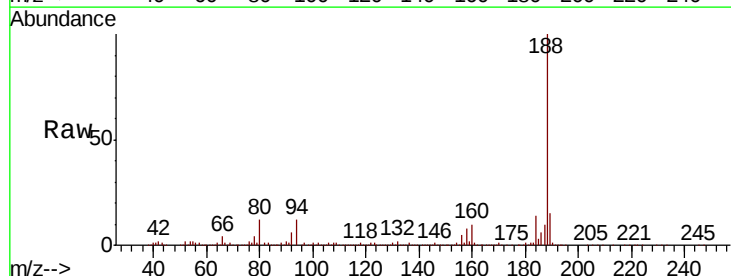


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

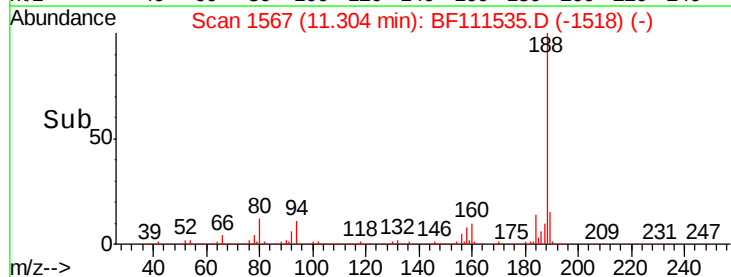
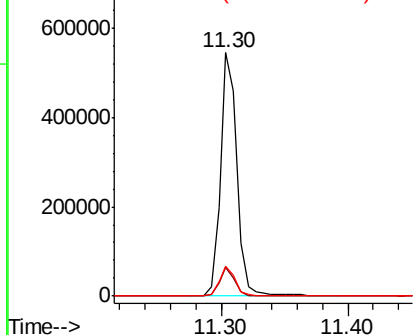


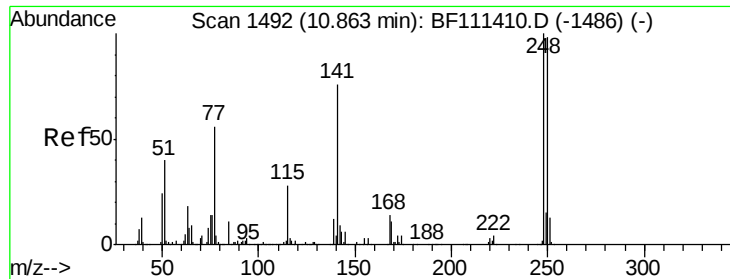
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.6	14.4
80	12.1	9.8	14.6



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

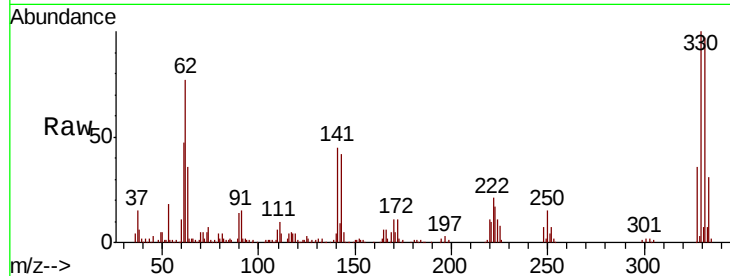




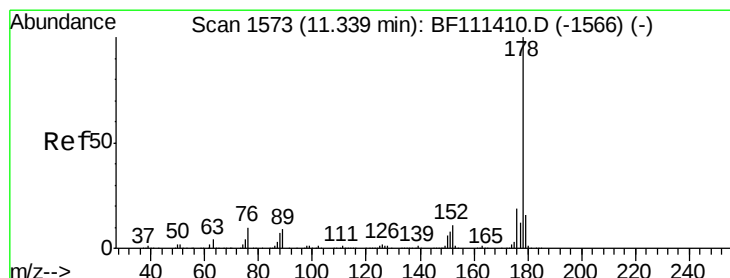
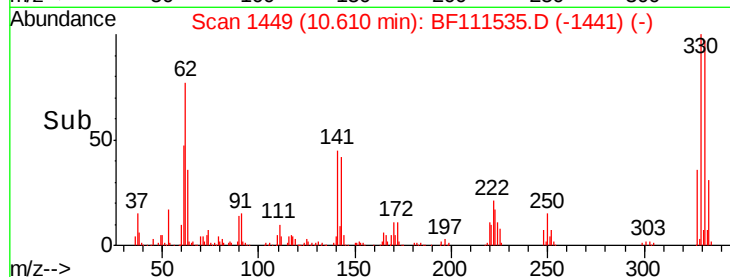
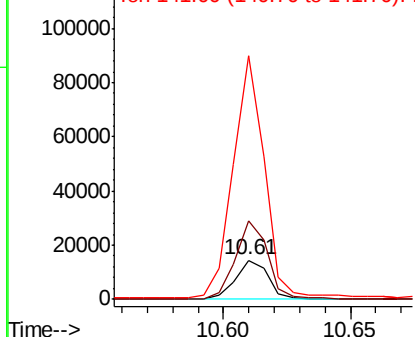
#67
 4-Bromophenyl-phenylether
 Concen: 2.417 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.25 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-0006-01

Tgt Ion:248 Resp: 12944
 Ion Ratio Lower Upper
 248 100
 250 198.7 77.0 115.4#
 141 617.6 63.0 94.6#

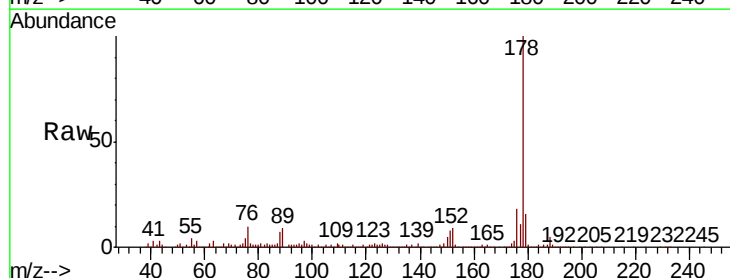


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

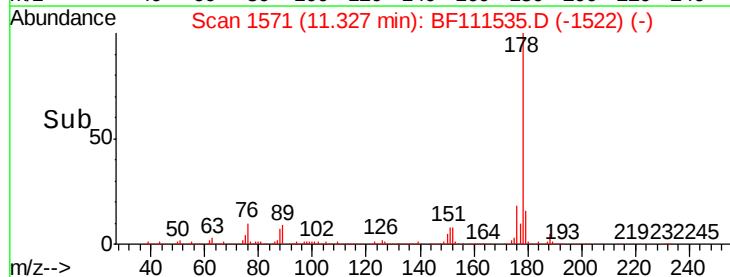
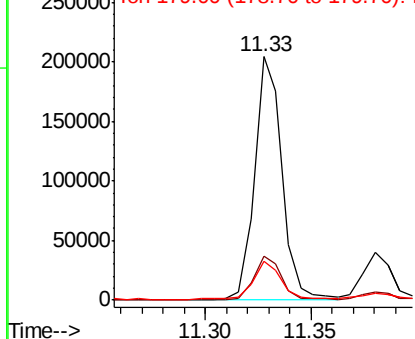


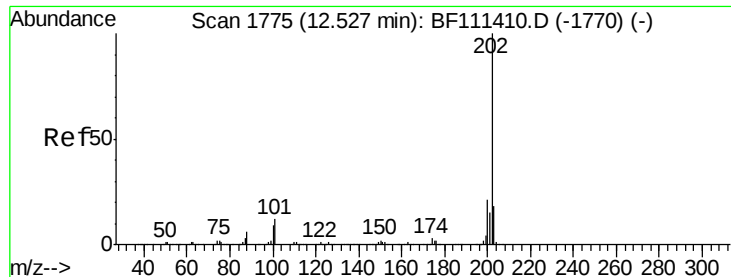
#71
 Phenanthrene
 Concen: 7.165 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF111535.D
 Acq: 17 Dec 2018 13:16

Tgt Ion:178 Resp: 183443
 Ion Ratio Lower Upper
 178 100
 176 18.1 18.1 27.1#
 179 16.1 14.0 21.0



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: 4.746 ng

RT: 12.52 min Scan# 1773

Delta R.T. -0.01 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0006-01

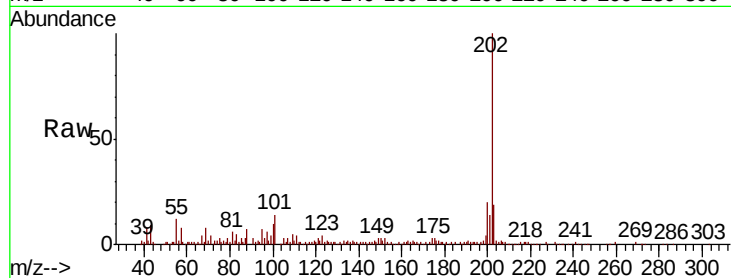
Tgt Ion: 202 Resp: 118866

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.8

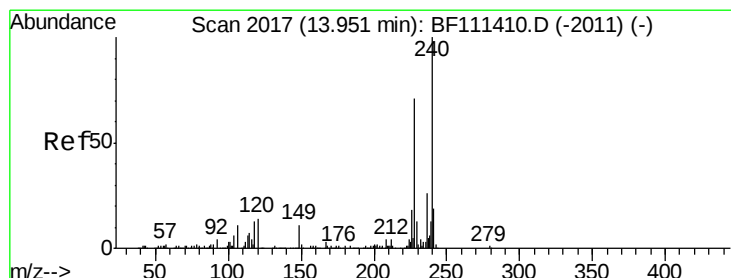
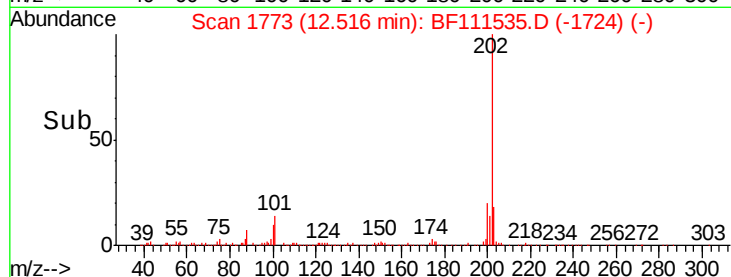
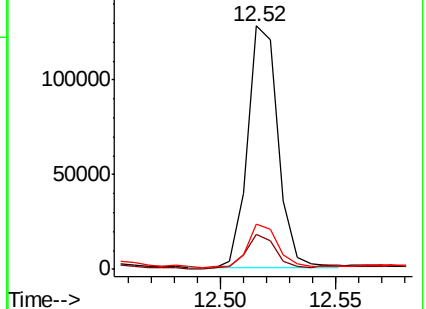
203 18.7 0.0 38.6



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: 13.94 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

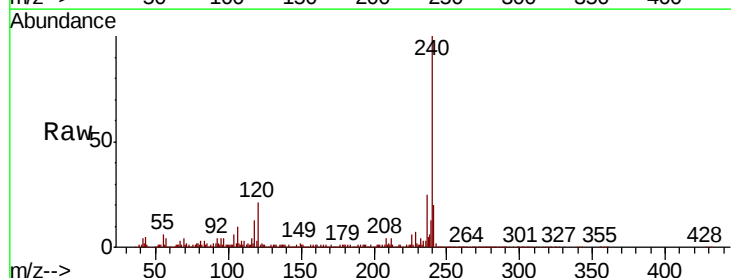
Tgt Ion: 240 Resp: 460736

Ion Ratio Lower Upper

240 100

120 21.4 12.2 18.2#

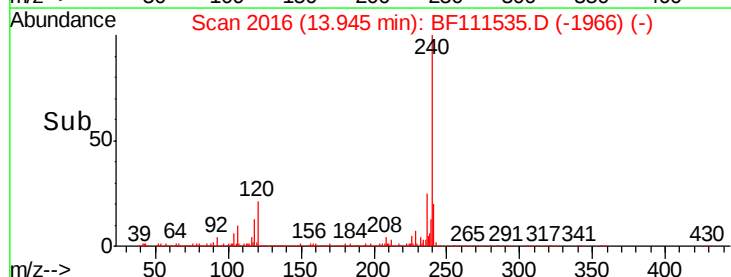
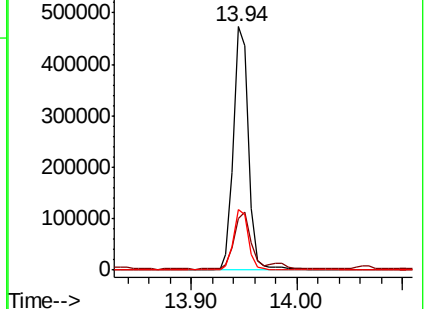
236 24.9 20.2 30.2

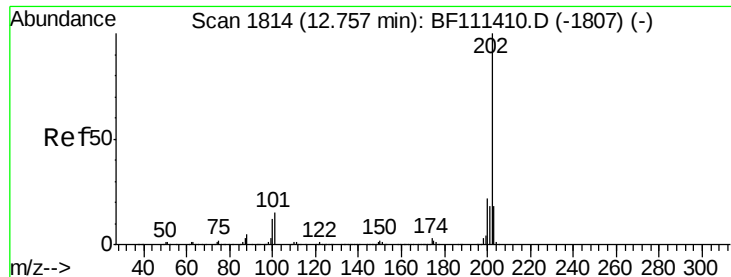


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

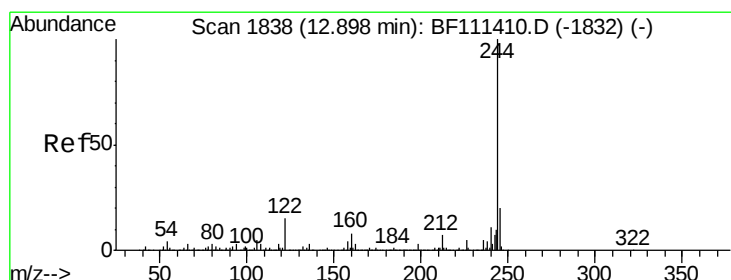
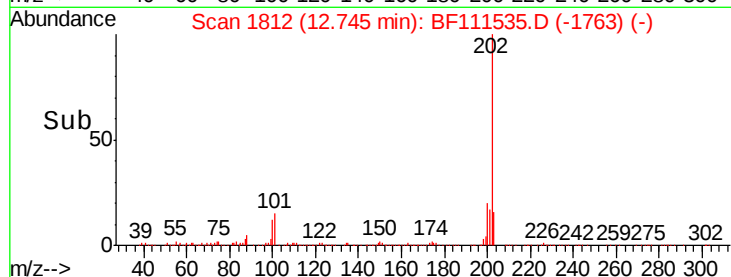
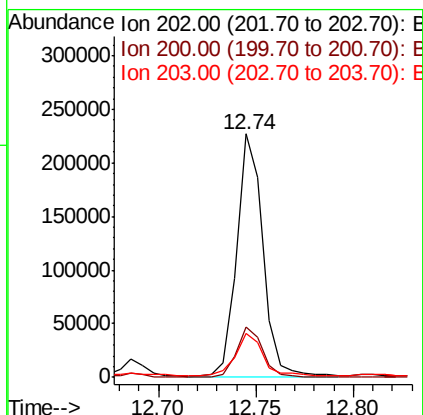
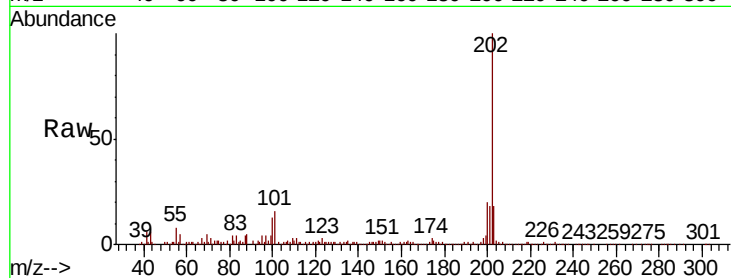




#78
Pyrene
Concen: 6.471 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

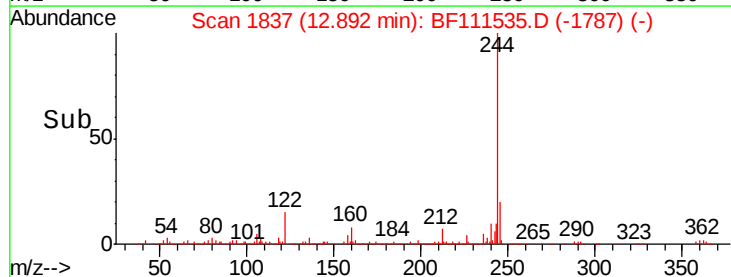
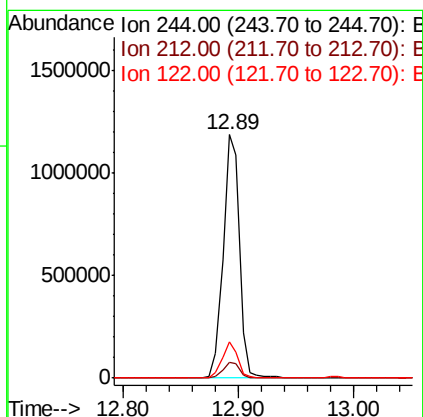
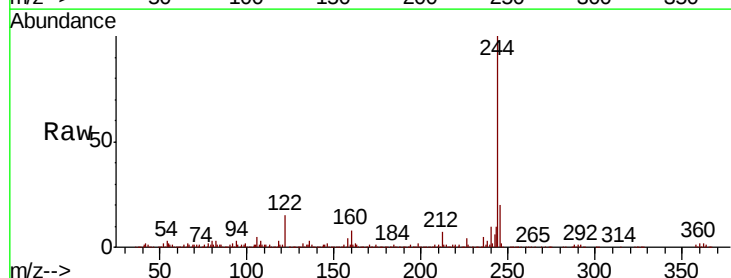
Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

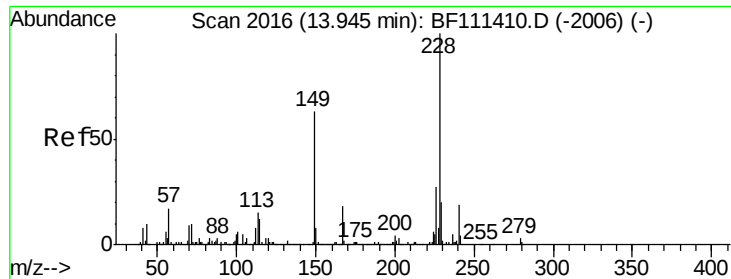
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	19.0	28.4
203	18.0	15.2	22.8



#79
Terphenyl-d14
Concen: 58.943 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.7	8.5
122	15.1	13.1	19.7

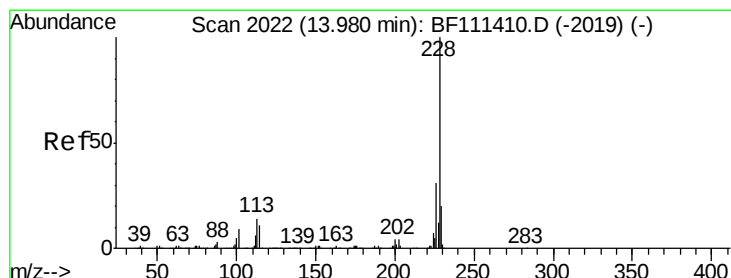
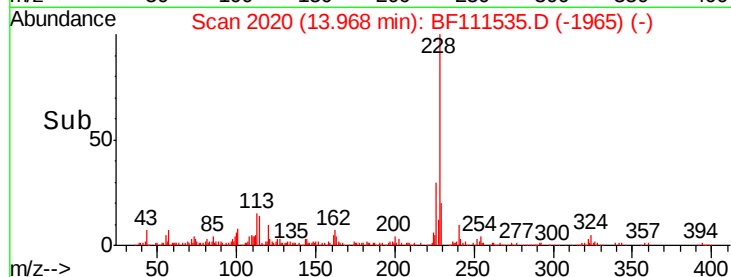
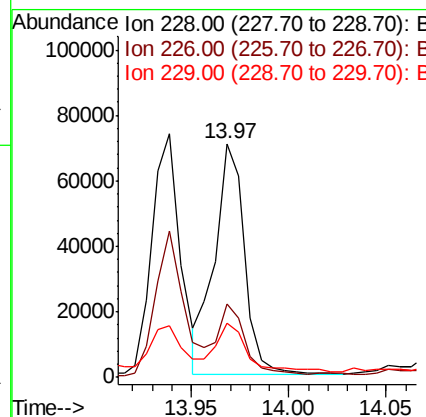
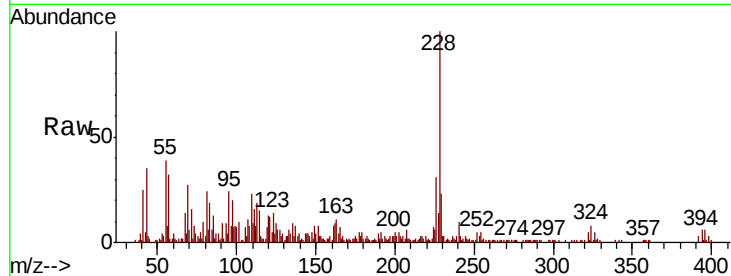




#81
Benzo(a)anthracene
Concen: 3.037 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.02 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

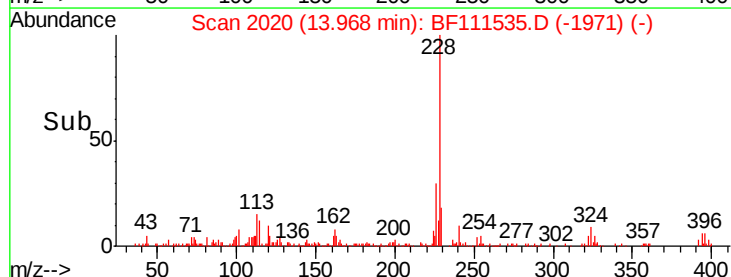
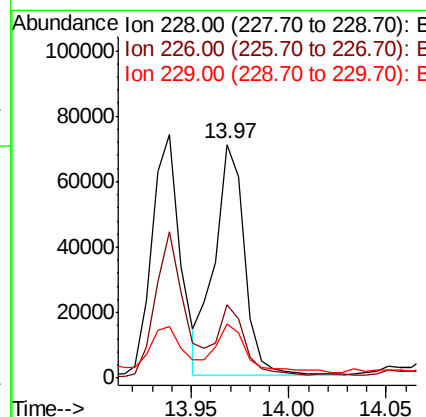
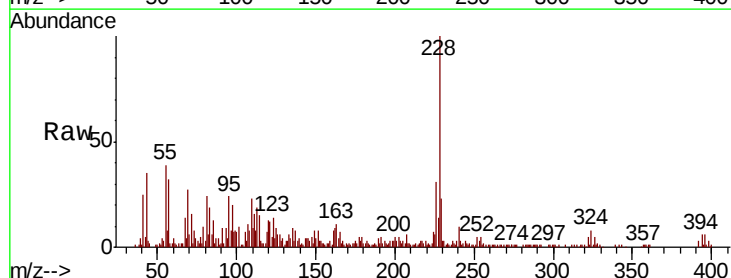
Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

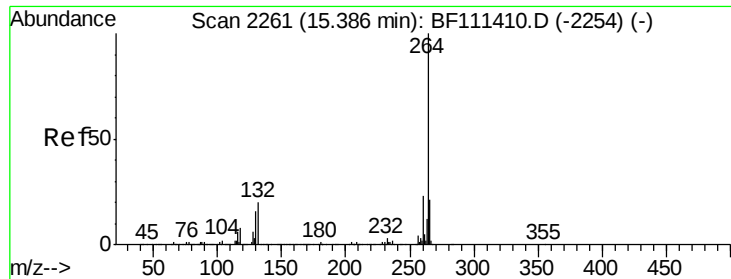
Tgt Ion: 228 Resp: 76081
Ion Ratio Lower Upper
228 100
226 31.5 22.6 34.0
229 23.0 16.3 24.5



#83
Chrysene
Concen: 2.883 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion: 228 Resp: 76081
Ion Ratio Lower Upper
228 100
226 31.5 25.3 37.9
229 23.0 17.2 25.8

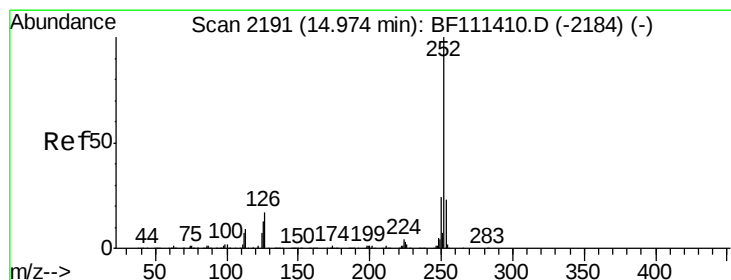
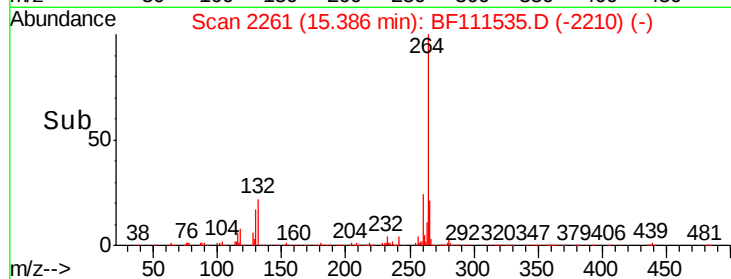
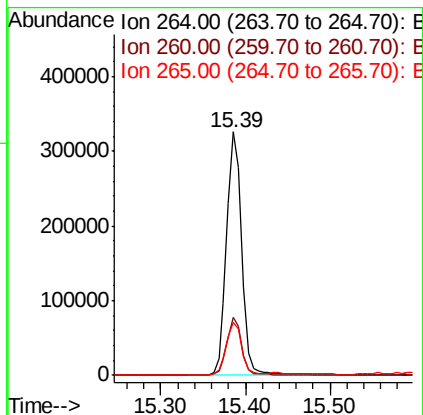
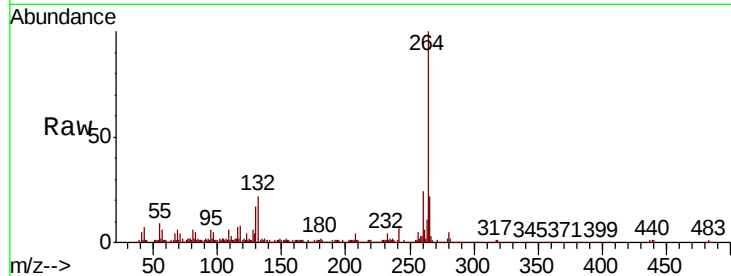




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

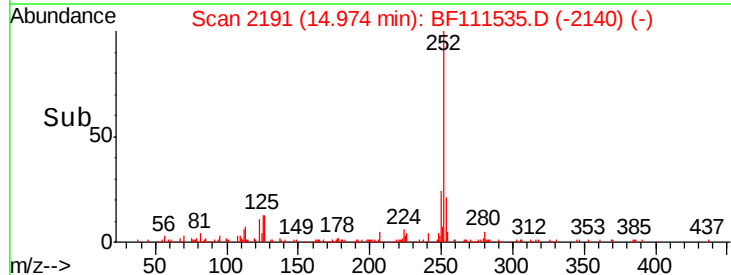
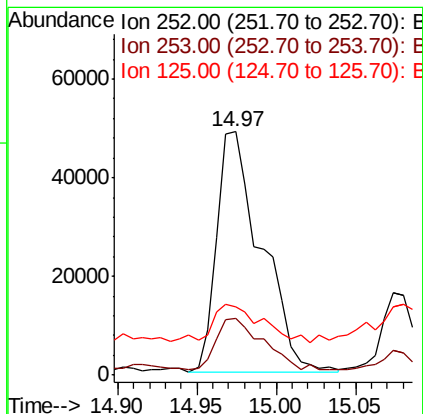
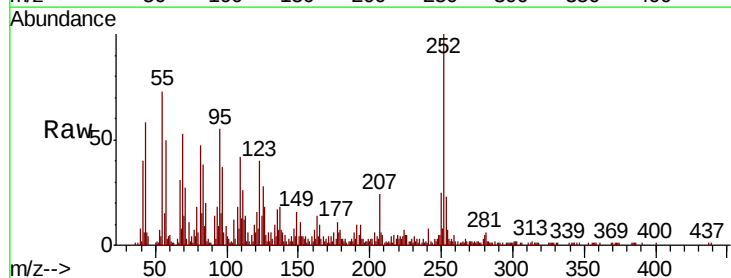
Instrument :
BNA_F
ClientSampleId :
P001-SS006-0006-01

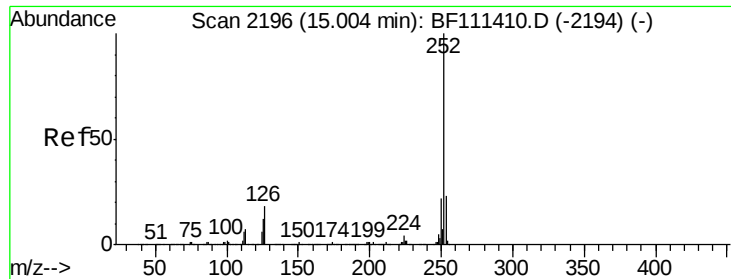
Tgt Ion:264 Resp: 406919
Ion Ratio Lower Upper
264 100
260 23.9 18.3 27.5
265 21.7 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 4.018 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111535.D
Acq: 17 Dec 2018 13:16

Tgt Ion:252 Resp: 95314
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 28.0 10.4 15.6#





#89

Benzo(k)fluoranthene

Concen: 4.205 ng

RT: 14.97 min Scan# 2191

Delta R.T. -0.03 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0006-01

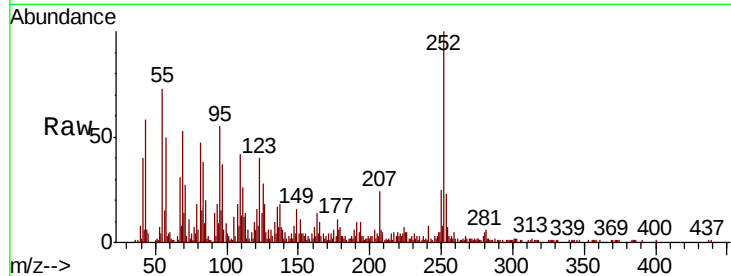
Tgt Ion:252 Resp: 95314

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

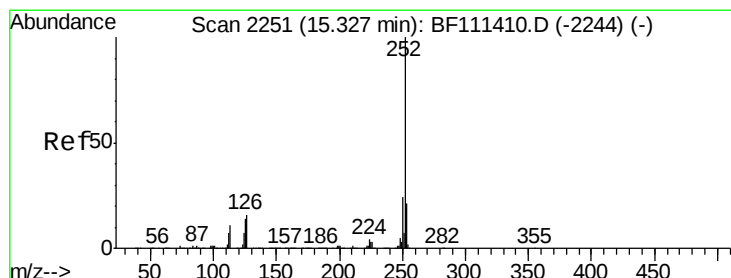
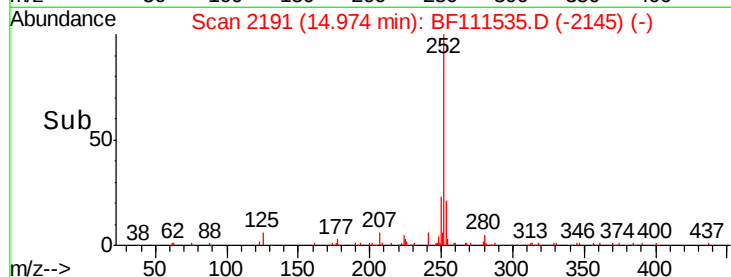
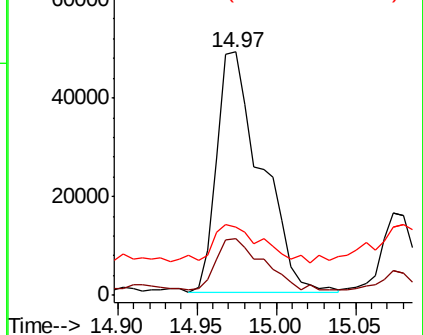
125 28.0 9.8 14.8#



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



#90

Benzo(a)pyrene

Concen: 3.334 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

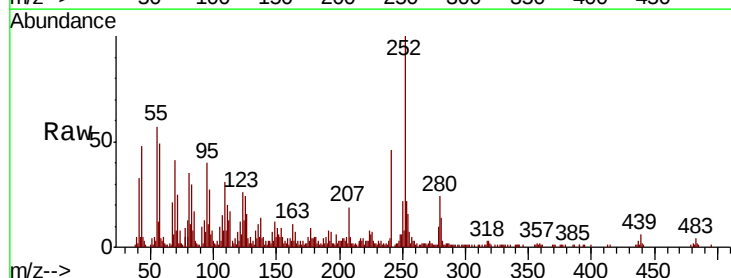
Tgt Ion:252 Resp: 71315

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

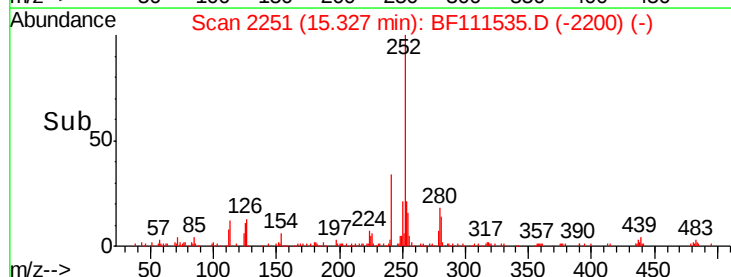
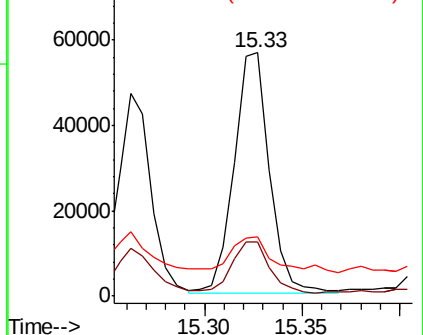
125 24.3 12.3 18.5#

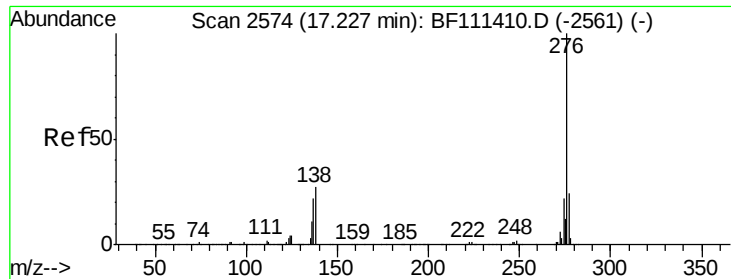


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 2.004 ng

RT: 17.23 min Scan# 2574

Delta R.T. 0.00 min

Lab File: BF111535.D

Acq: 17 Dec 2018 13:16

Instrument :

BNA_F

ClientSampleId :

P001-SS006-0006-01

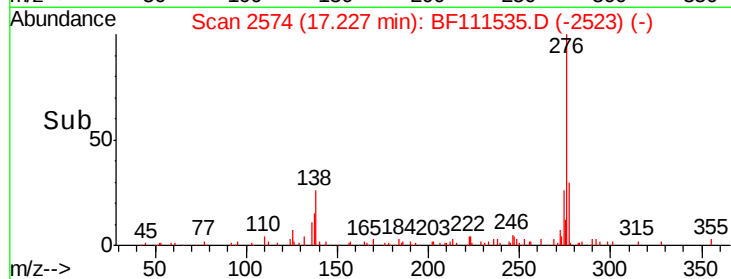
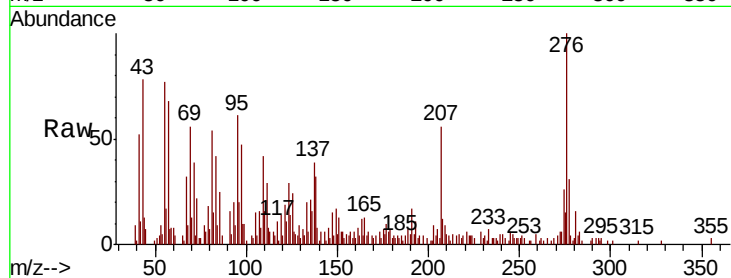
Tgt Ion:276 Resp: 33200

Ion Ratio Lower Upper

276 100

277 31.2 19.2 28.8#

138 32.3 24.9 37.3



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

