

Data File : BF111501.D
Acq On : 16 Dec 2018 7:55
Operator : JU/SJ
Sample : J64470-01
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-1

Quant Time: Dec 17 01:01:10 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	114320	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	398427	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	170403	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	319393	20.00	ng	0.00
76) Chrysene-d12	14.00	240	145448	20.00	ng	0.05
87) Perylene-d12	15.46	264	142286	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	550305	80.10	ng	0.00
7) Phenol-d6	6.43	99	681818	74.61	ng	0.00
23) Nitrobenzene-d5	7.35	82	379054	56.65	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	114779	75.19	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	612808	55.55	ng	0.00
79) Terphenyl-d14	12.92	244	453378	73.20	ng	0.02

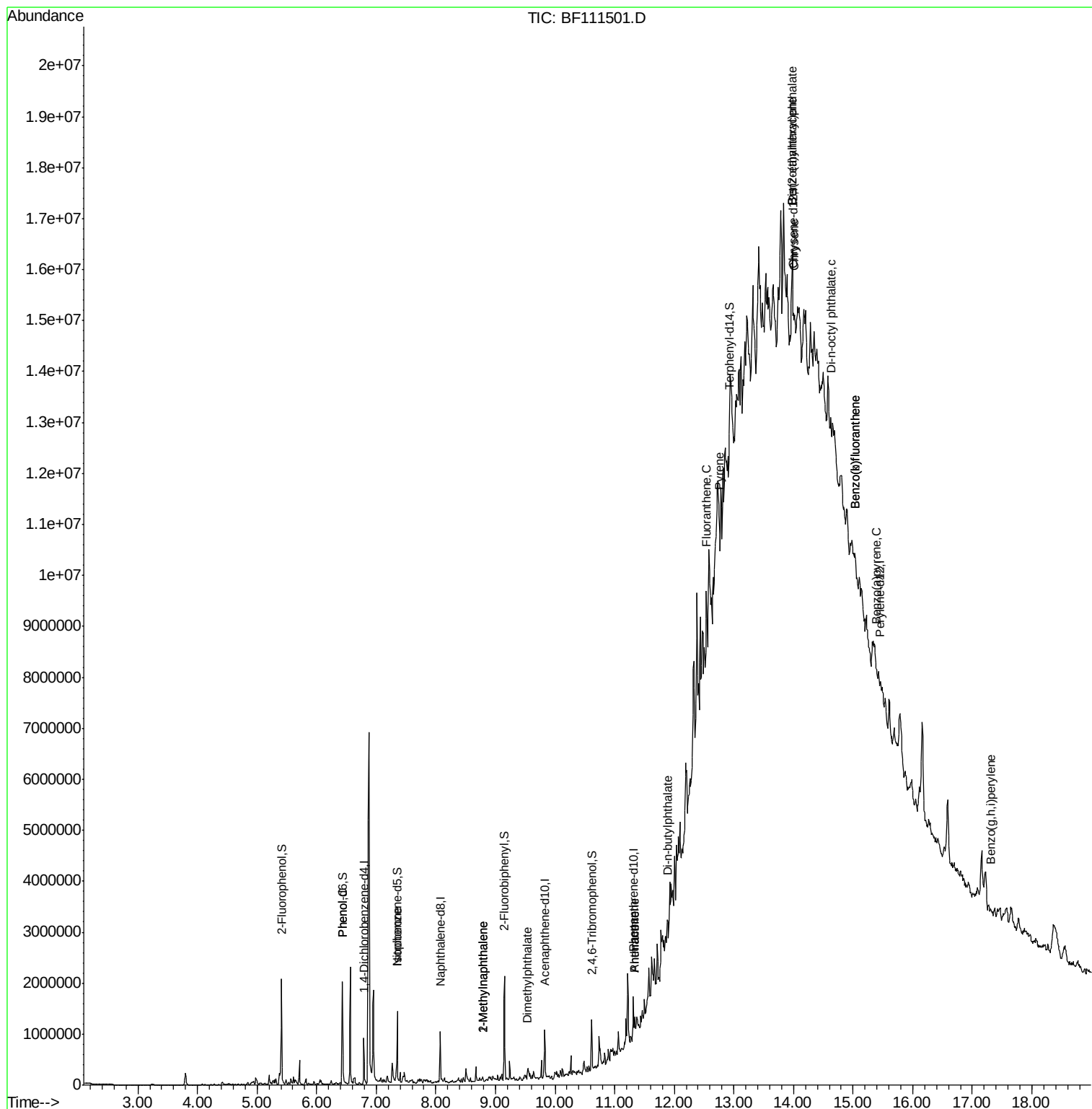
Target Compounds				Qvalue		
10) Phenol	6.44	94	43363	4.260	ng	91
25) Isophorone	7.35	82	376147	33.226	ng	# 64
37) 2-Methylnaphthalene	8.79	142	26764	2.122	ng	99
38) 1-Methylnaphthalene	8.79	142	26764	2.197	ng	94
50) Dimethylphthalate	9.54	163	63787	5.198	ng	99
71) Phenanthrene	11.33	178	79646	4.839	ng	96
72) Anthracene	11.33	178	79646	4.732	ng	97
74) Di-n-butylphthalate	11.88	149	52722	2.720	ng	# 91
75) Fluoranthene	12.53	202	100365	6.234	ng	94
78) Pyrene	12.77	202	89439	8.722	ng	# 90
81) Benzo(a)anthracene	13.99	228	24604	3.111	ng	# 72
83) Chrysene	14.02	228	25708	3.086	ng	# 74
84) Bis(2-ethylhexyl)phthalate	13.98	149	618205	96.833	ng	98
85) Di-n-octyl phthalate	14.63	149	42791	3.974	ng	# 56
88) Benzo(b)fluoranthene	15.03	252	35162	4.239	ng	# 1
89) Benzo(k)fluoranthene	15.03	252	35162	4.436	ng	# 1
90) Benzo(a)pyrene	15.39	252	18645	2.492	ng	# 1
92) Benzo(g,h,i)perylene	17.31	276	12561	2.169	ng	# 1

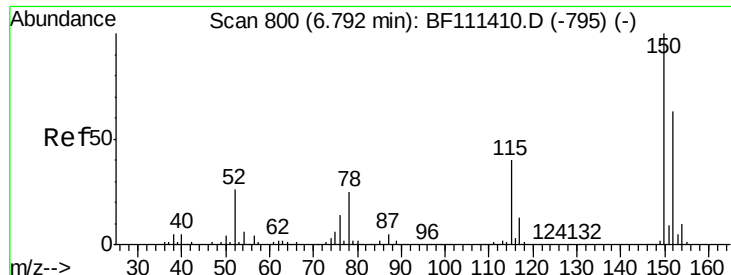
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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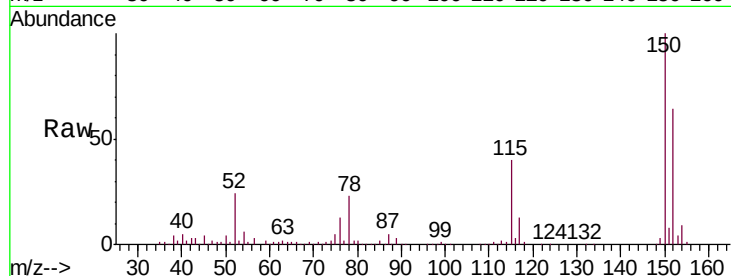




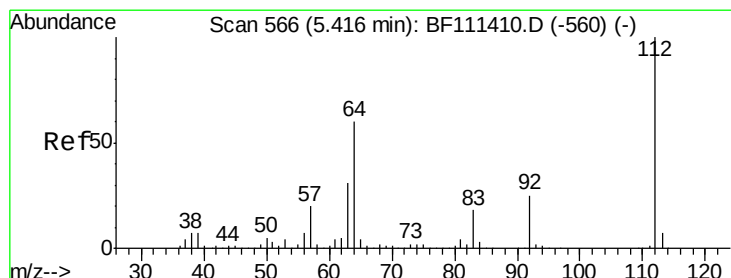
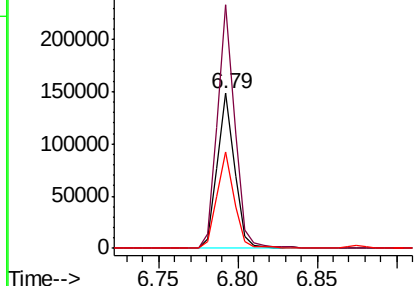
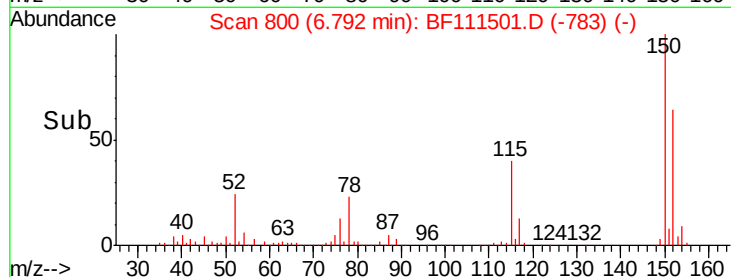
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Instrument :
 BNA_F
 ClientSampled :
 COMP-1

Tgt Ion:152 Resp: 114320
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.6 189.8
 115 62.5 50.7 76.1

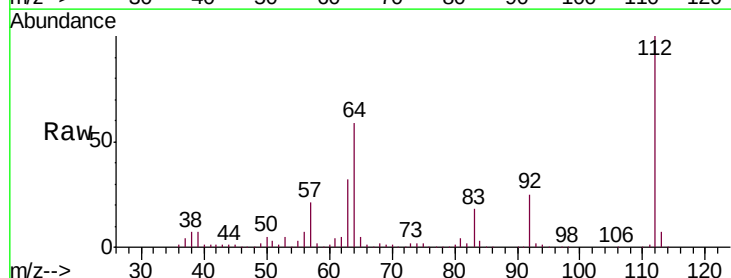


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

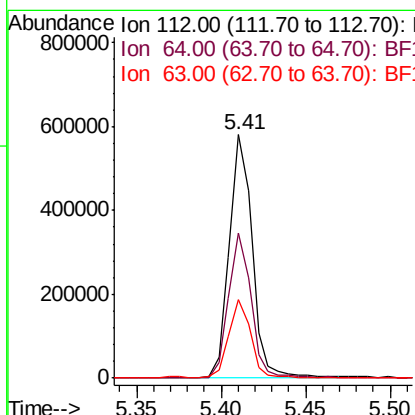
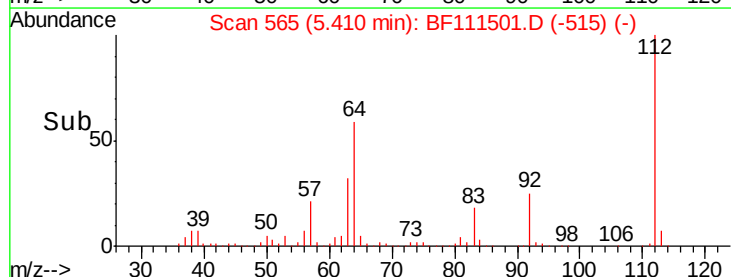


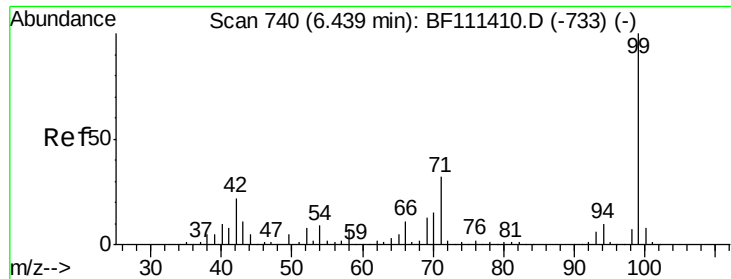
#5
 2-Fluorophenol
 Concen: 80.103 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Tgt Ion:112 Resp: 550305
 Ion Ratio Lower Upper
 112 100
 64 59.4 51.8 77.6
 63 32.1 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: 74.612 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

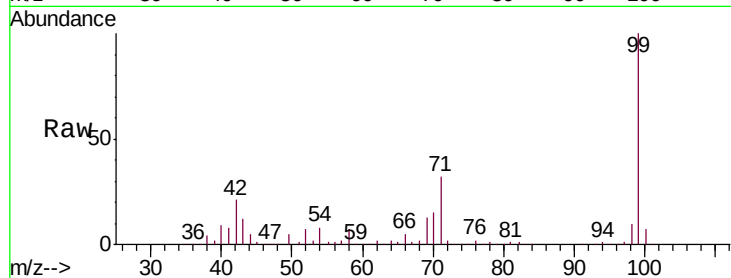
Tgt Ion: 99 Resp: 681818

Ion Ratio Lower Upper

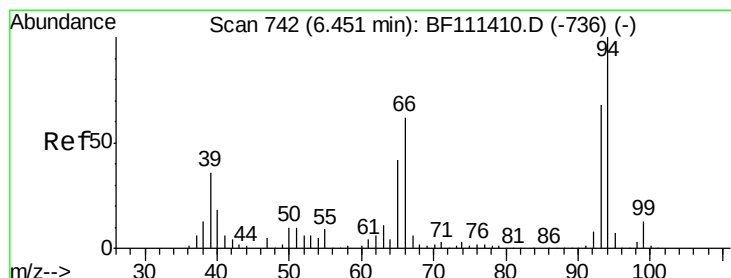
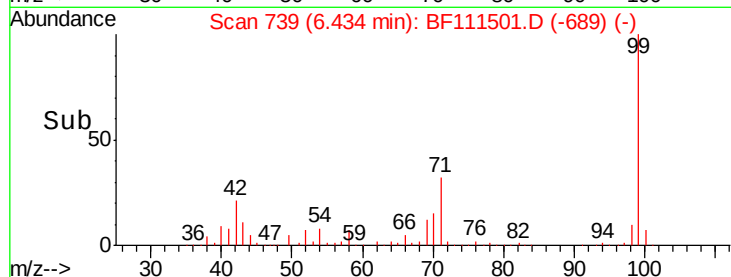
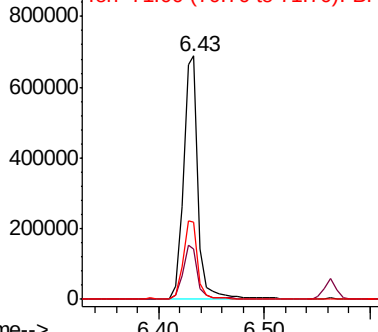
99 100

42 20.9 17.4 26.0

71 31.6 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: 4.260 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

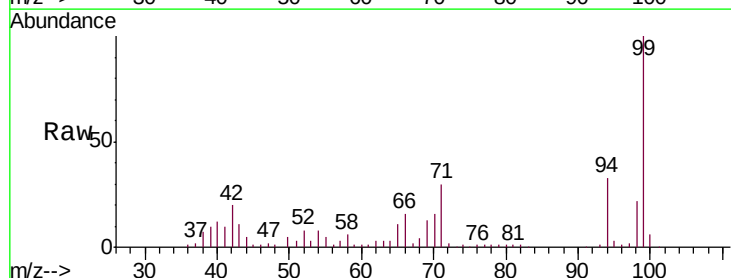
Tgt Ion: 94 Resp: 43363

Ion Ratio Lower Upper

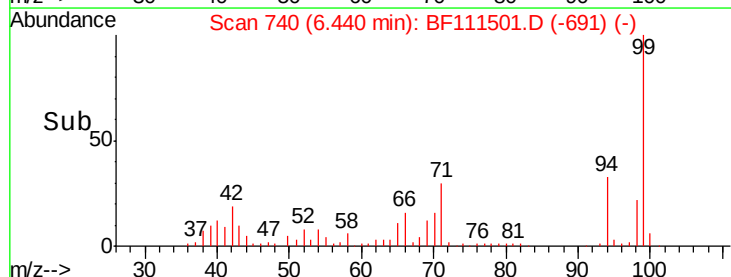
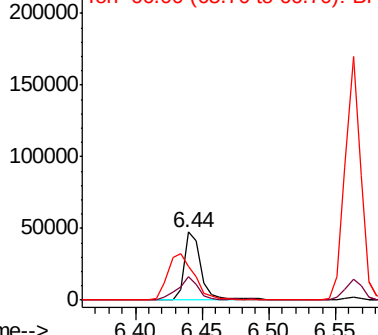
94 100

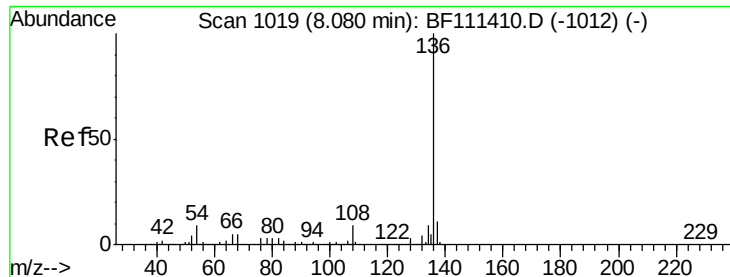
65 33.6 11.7 51.7

66 49.1 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

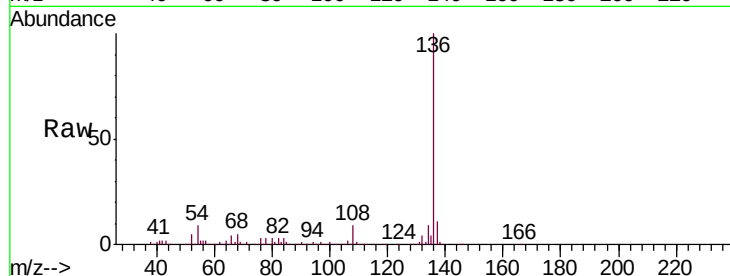




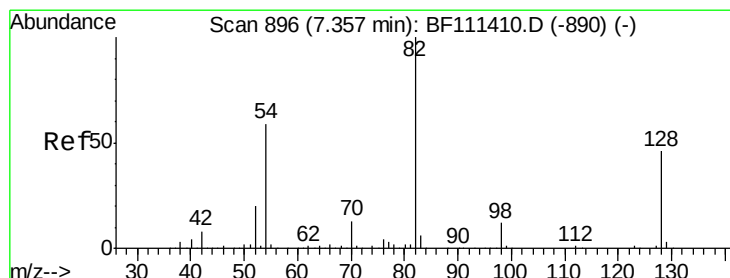
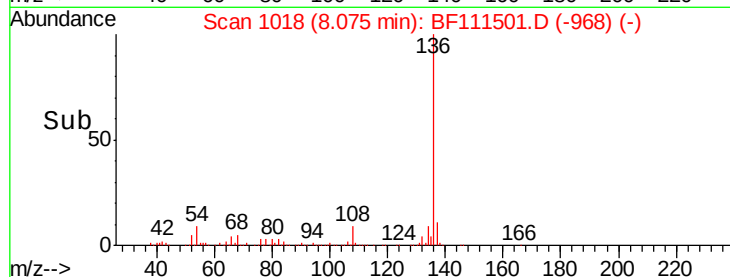
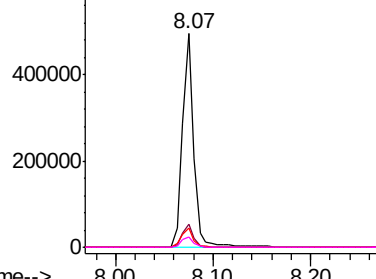
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:	136	Resp:	398427
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	8.9	7.7	11.5
68	5.1	4.9	7.3

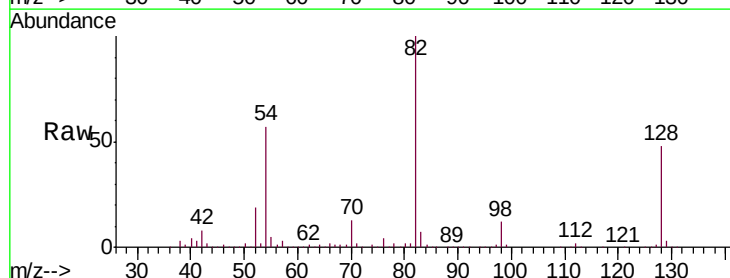


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

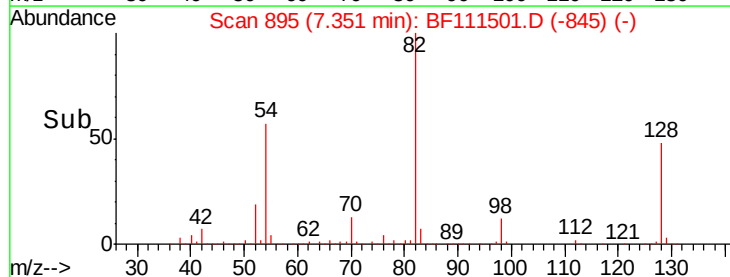
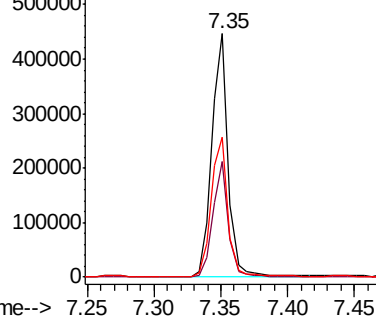


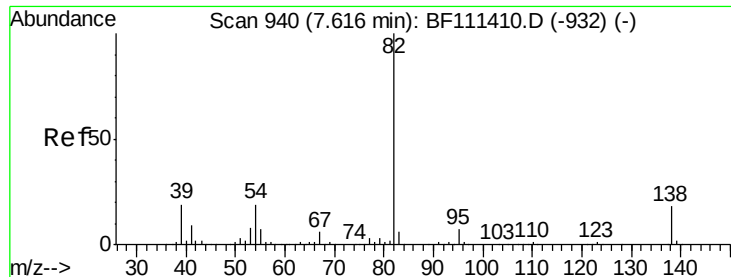
#23
Nitrobenzene-d5
Concen: 56.653 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Tgt Ion:	82	Resp:	379054
Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.4	56.2
54	57.3	47.6	71.4



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

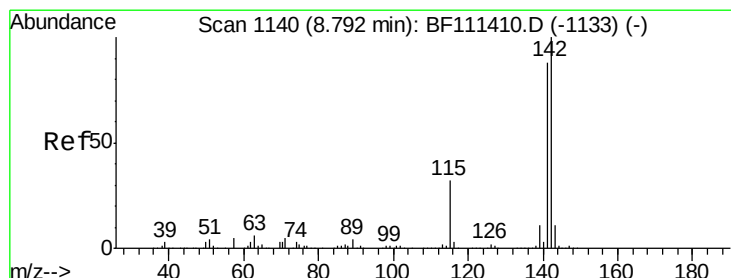
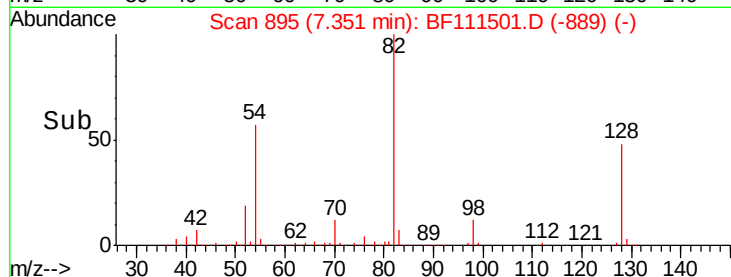
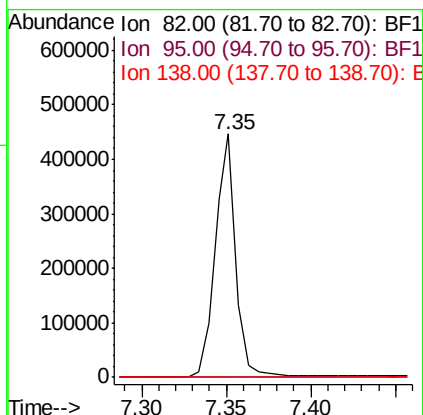
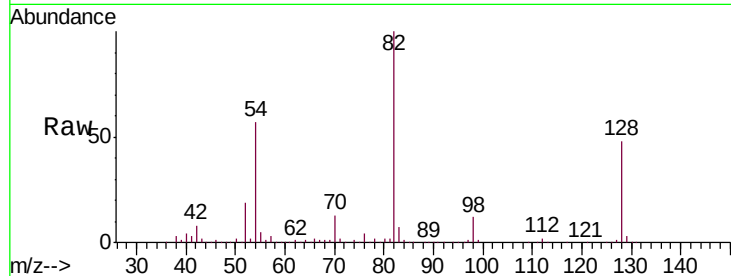




#25
Isophorone
Concen: 33.226 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

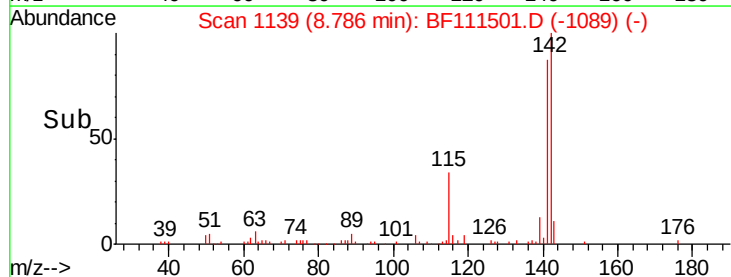
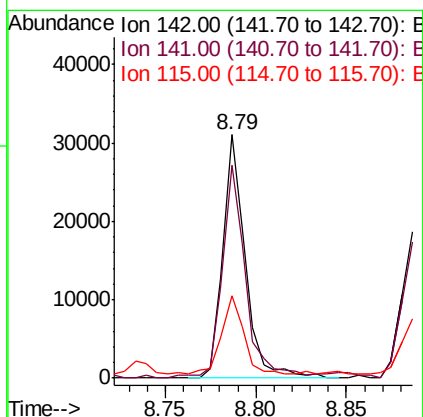
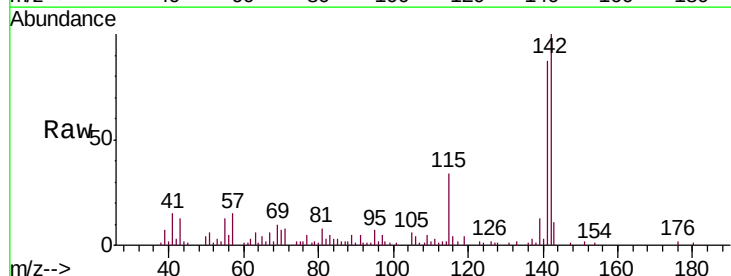
Instrument :
BNA_F
ClientSampleId :
COMP-1

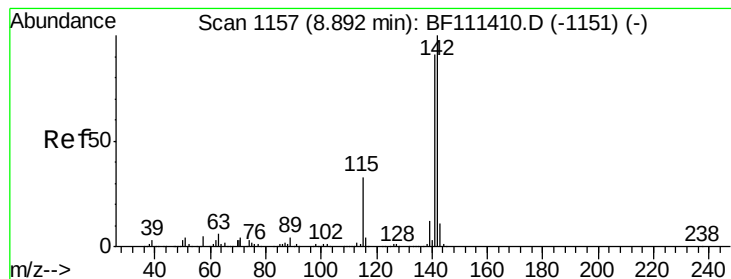
Tgt Ion: 82 Resp: 376147
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.2#
138 0.0 15.1 22.7#



#37
2-Methylnaphthalene
Concen: 2.122 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Tgt Ion: 142 Resp: 26764
Ion Ratio Lower Upper
142 100
141 87.3 70.6 105.8
115 33.7 27.0 40.6





#38

1-Methylnaphthalene

Concen: 2.197 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.11 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

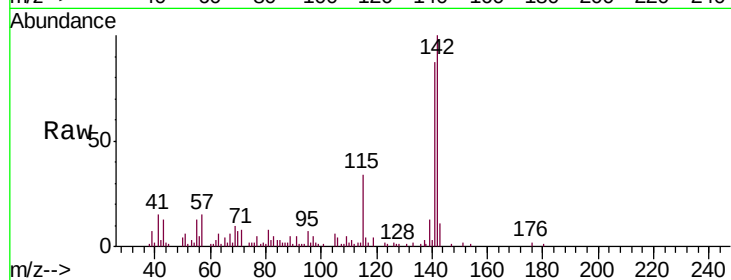
Tgt Ion:142 Resp: 26764

Ion Ratio Lower Upper

142 100

141 87.3 74.2 111.4

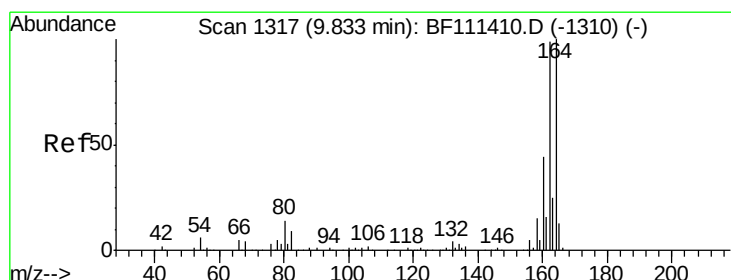
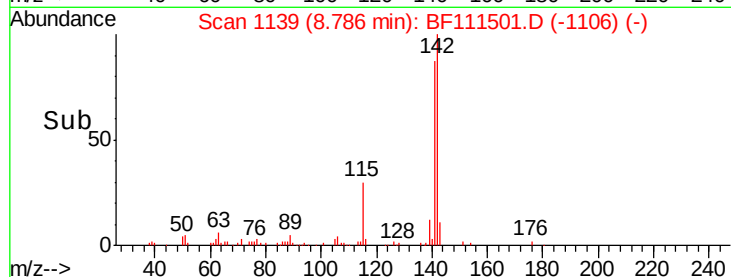
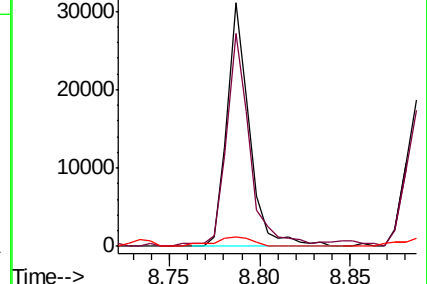
116 4.0 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

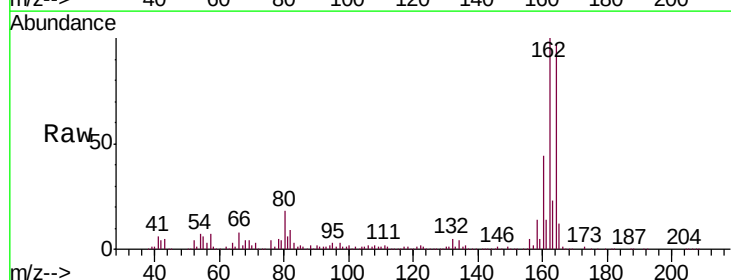
Tgt Ion:164 Resp: 170403

Ion Ratio Lower Upper

164 100

162 103.6 81.4 122.0

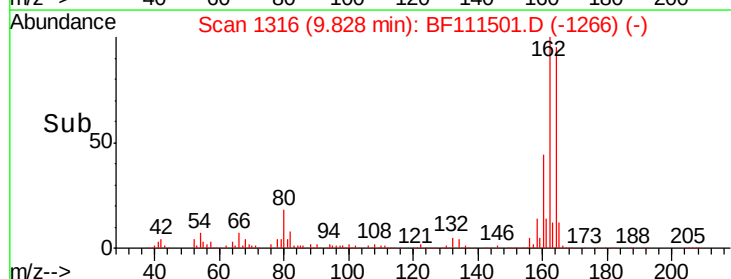
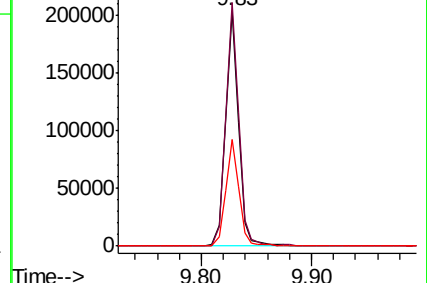
160 45.6 35.7 53.5

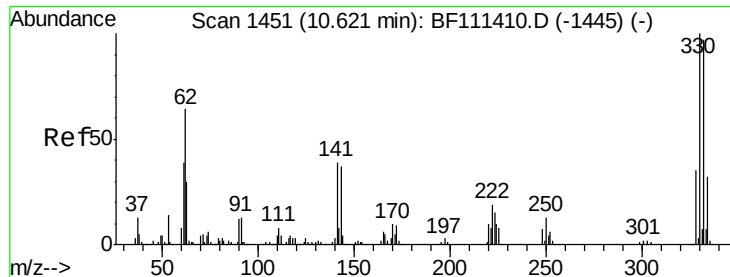


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

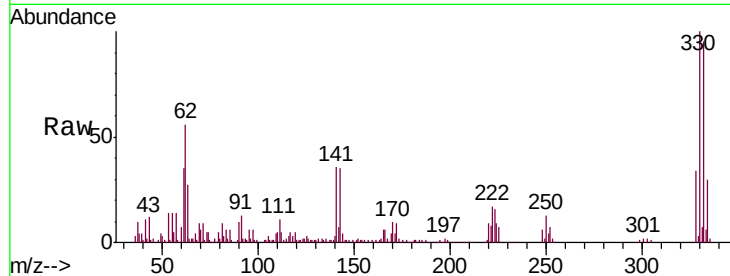




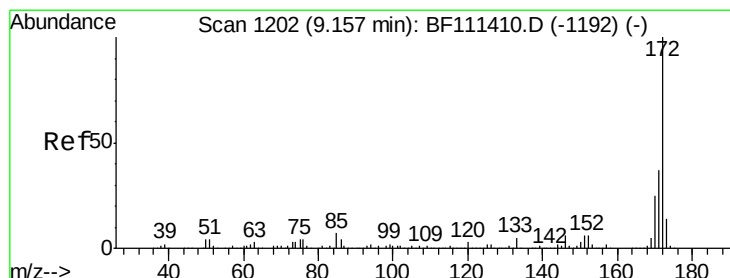
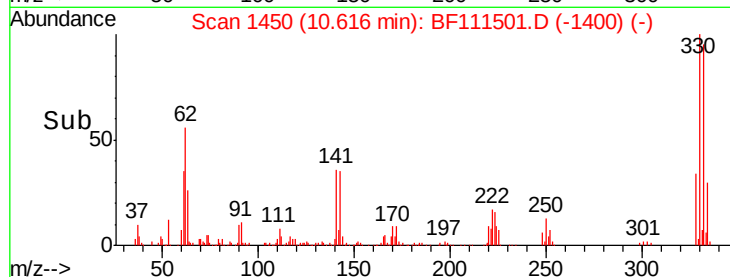
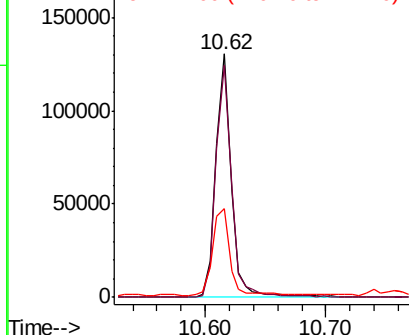
#42
 2,4,6-Tribromophenol
 Concen: 75.193 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Instrument :
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Tgt Ion:330 Resp: 114779
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.0 114.0
 141 39.0 31.0 46.6

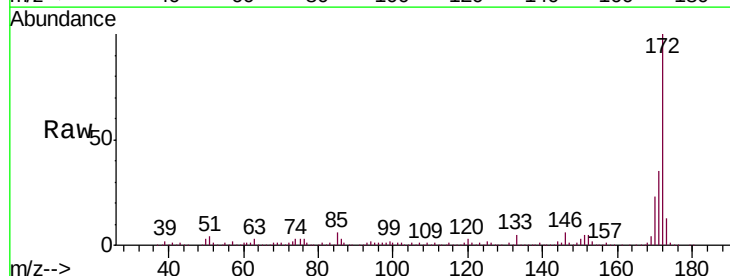


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

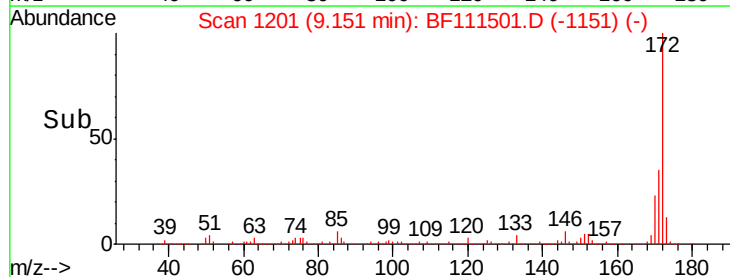
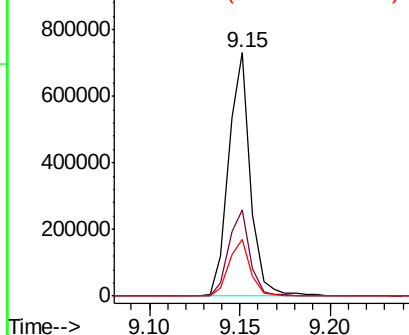


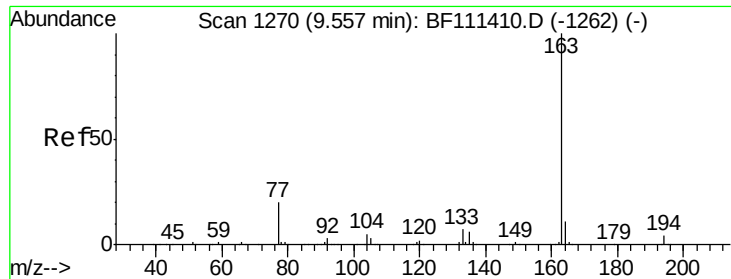
#45
 2-Fluorobiphenyl
 Concen: 55.549 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111501.D
 Acq: 16 Dec 2018 7:55

Tgt Ion:172 Resp: 612808
 Ion Ratio Lower Upper
 172 100
 171 35.4 33.0 49.4
 170 23.2 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

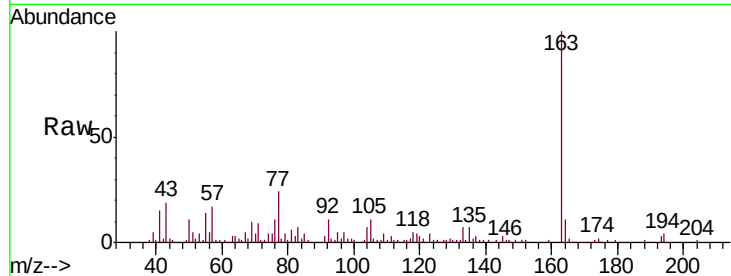




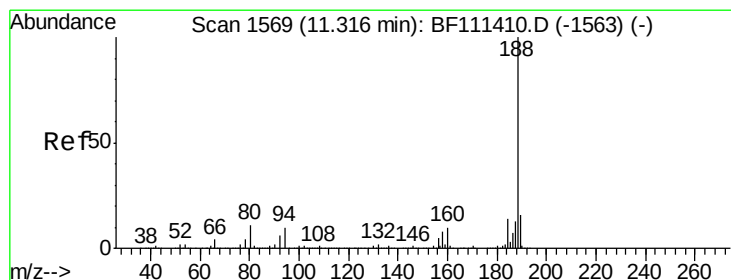
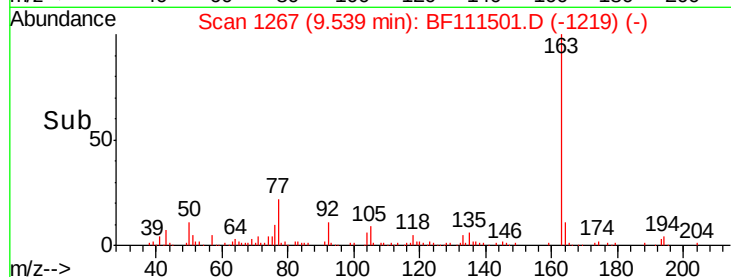
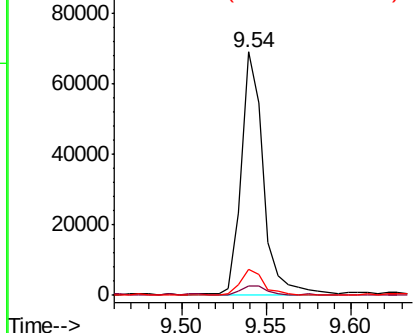
#50
Dimethylphthalate
Concen: 5.198 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:163 Resp: 63787
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.8 8.9 13.3

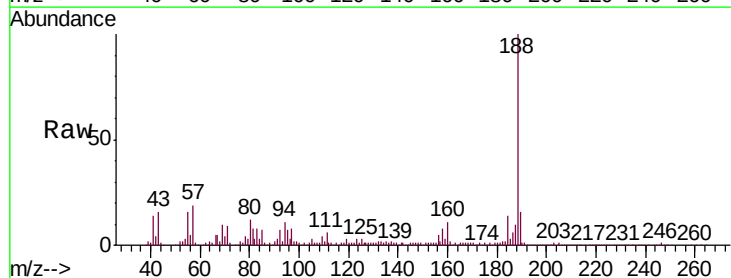


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

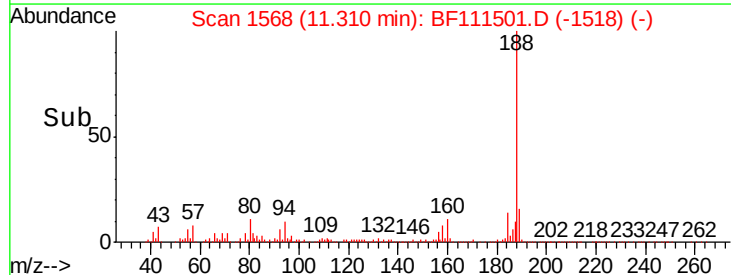
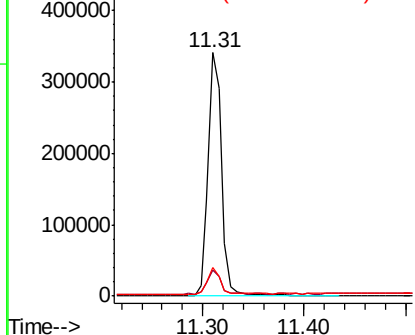


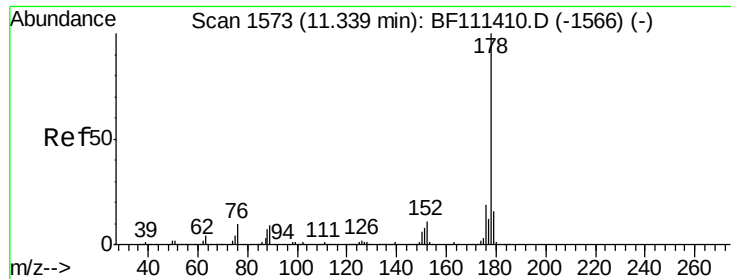
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Tgt Ion:188 Resp: 319393
Ion Ratio Lower Upper
188 100
94 10.6 9.6 14.4
80 11.7 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





#71

Phenanthrene

Concen: 4.839 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

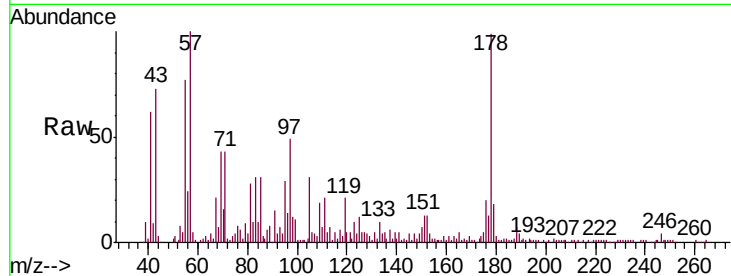
Tgt Ion:178 Resp: 79646

Ion Ratio Lower Upper

178 100

176 19.7 18.1 27.1

179 17.9 14.0 21.0

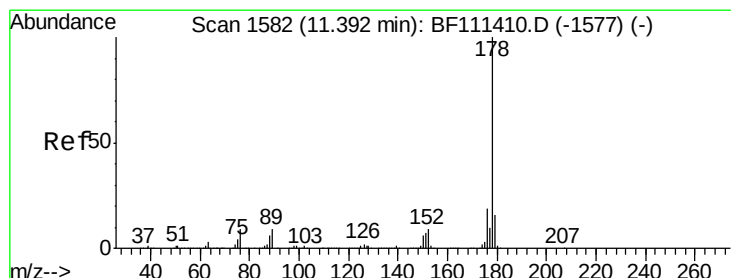
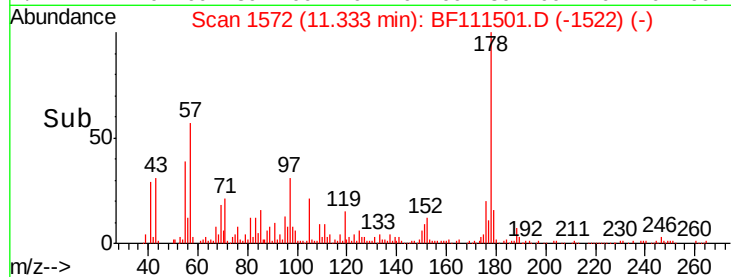
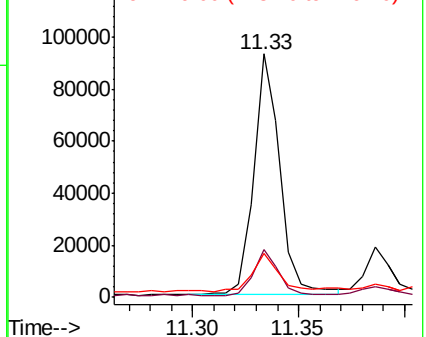


Abundance

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



#72

Anthracene

Concen: 4.732 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.06 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

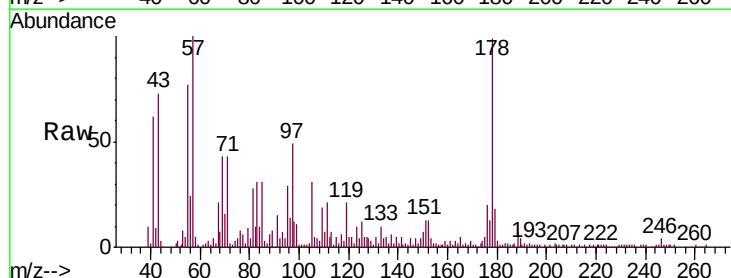
Tgt Ion:178 Resp: 79646

Ion Ratio Lower Upper

178 100

176 19.7 17.2 25.8

179 17.9 13.8 20.8

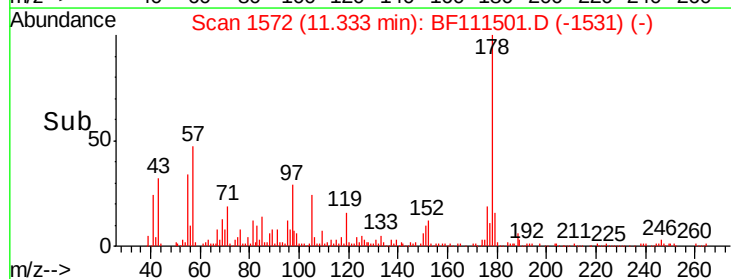
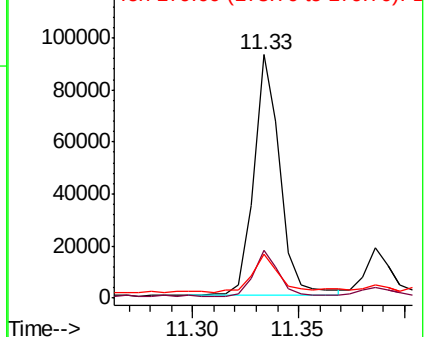


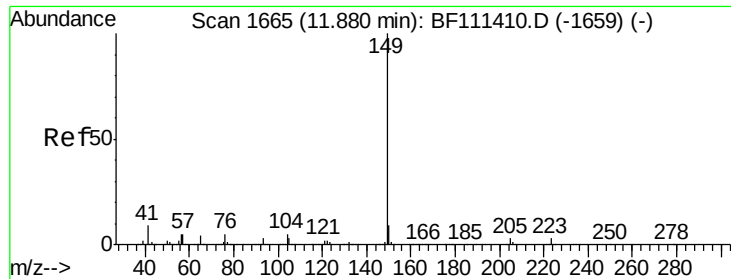
Abundance

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

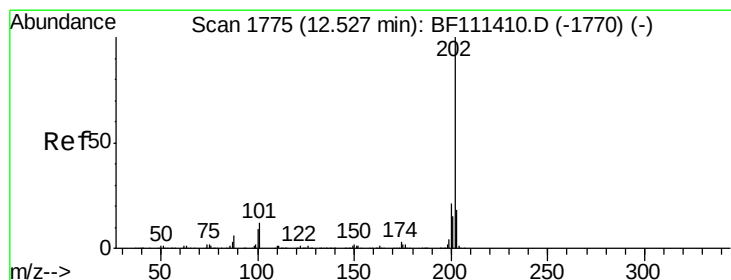
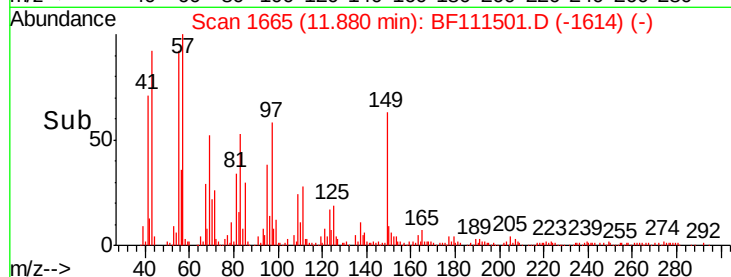
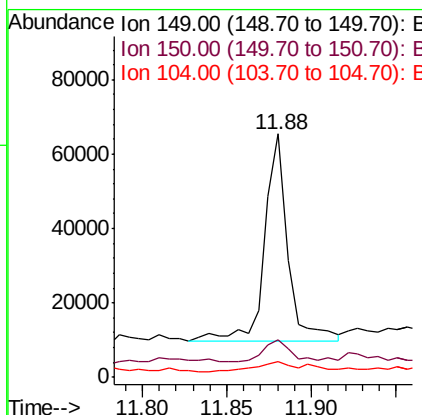
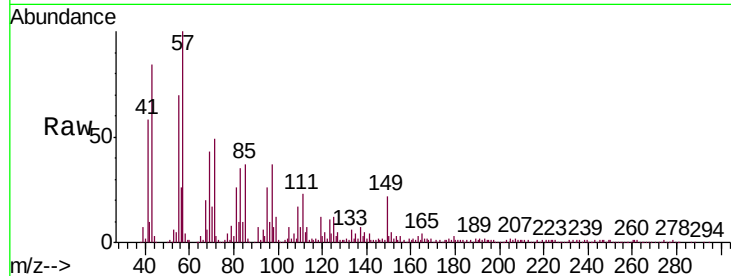




#74
Di-n-butylphthalate
Concen: 2.720 ng
RT: 11.88 min Scan# 1665
Delta R.T. 0.00 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

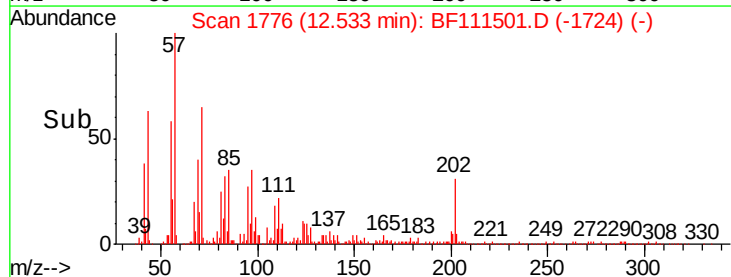
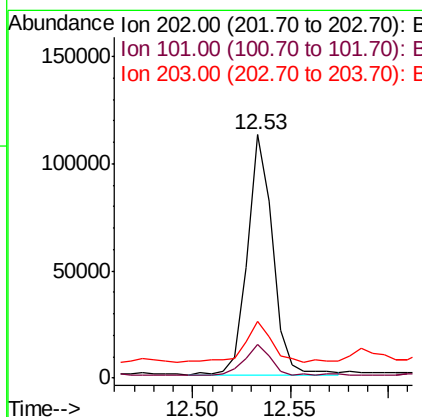
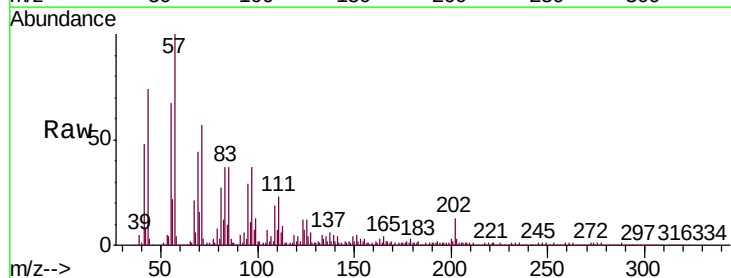
Instrument :
BNA_F
ClientSampleId :
COMP-1

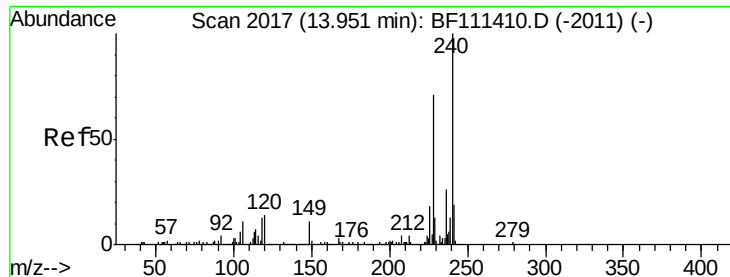
Tgt Ion:149 Resp: 52722
Ion Ratio Lower Upper
149 100
150 15.5 8.8 13.2#
104 6.7 4.5 6.7



#75
Fluoranthene
Concen: 6.234 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Tgt Ion:202 Resp: 100365
Ion Ratio Lower Upper
202 100
101 13.6 0.0 33.8
203 23.2 0.0 38.6

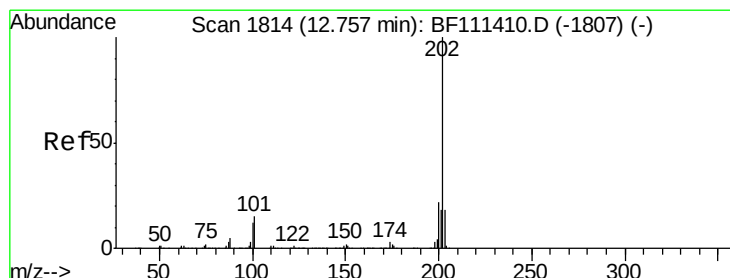
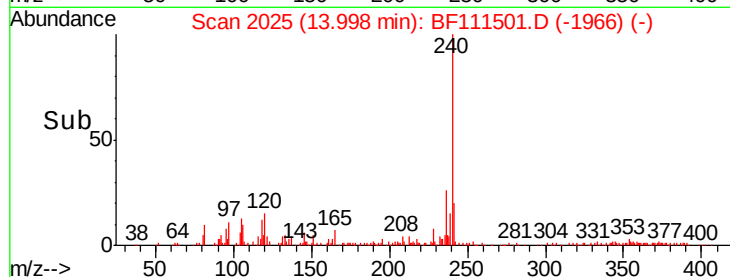
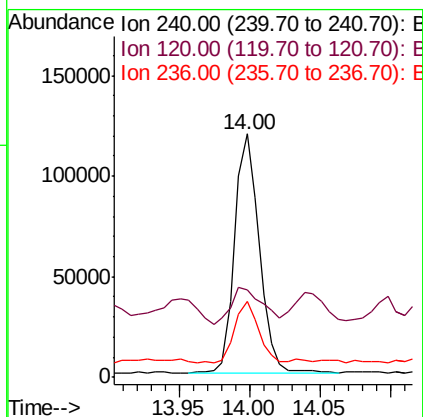
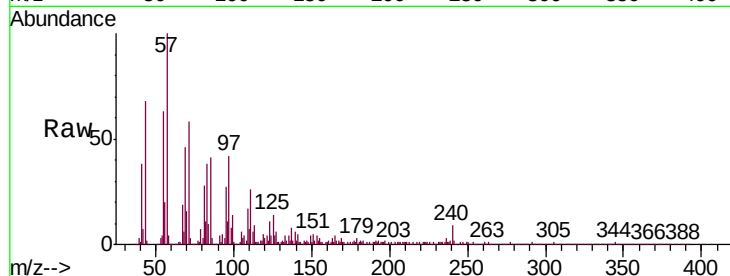




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.05 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

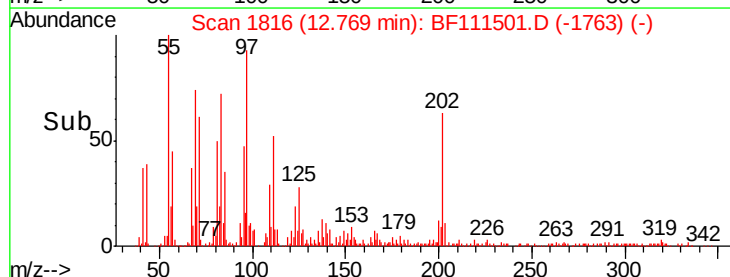
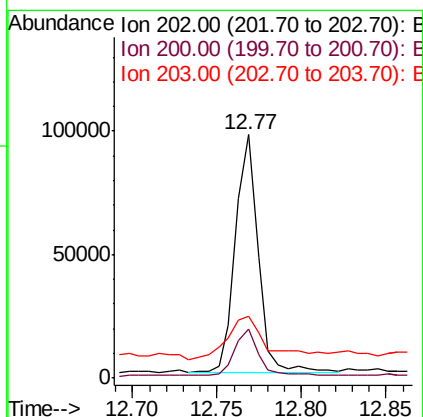
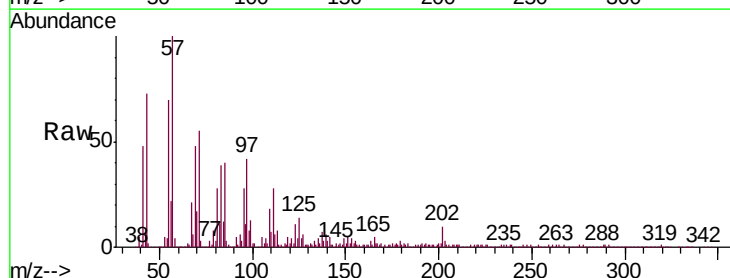
Instrument :
BNA_F
ClientSampleId :
COMP-1

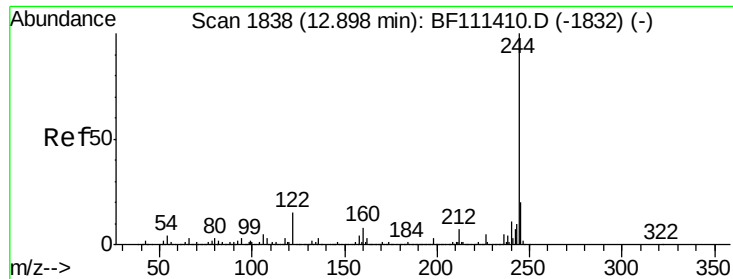
Tgt Ion:240 Resp: 145448
Ion Ratio Lower Upper
240 100
120 35.9 12.2 18.2#
236 31.0 20.2 30.2#



#78
Pyrene
Concen: 8.722 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF111501.D
Acq: 16 Dec 2018 7:55

Tgt Ion:202 Resp: 89439
Ion Ratio Lower Upper
202 100
200 20.2 19.0 28.4
203 25.2 15.2 22.8#





#79

Terphenyl-d14

Concen: 73.197 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.02 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

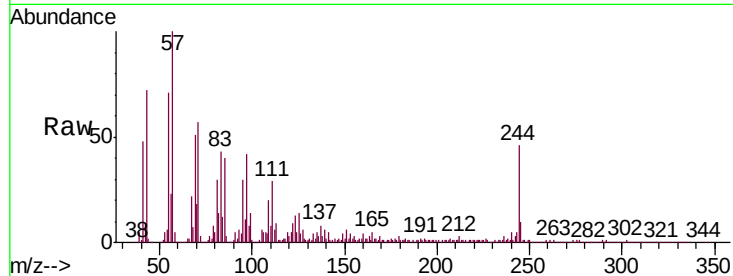
Tgt Ion:244 Resp: 453378

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

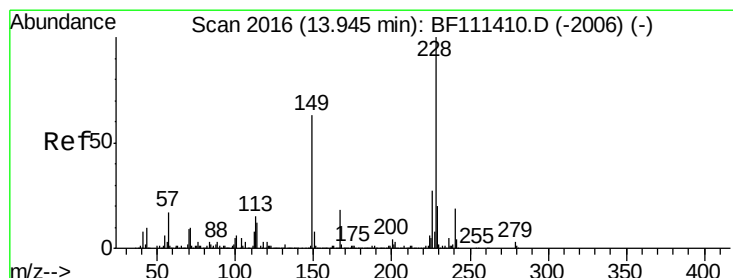
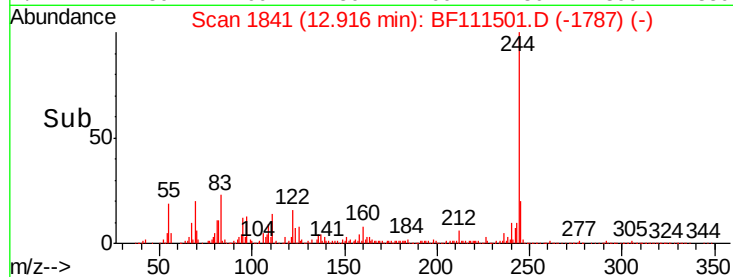
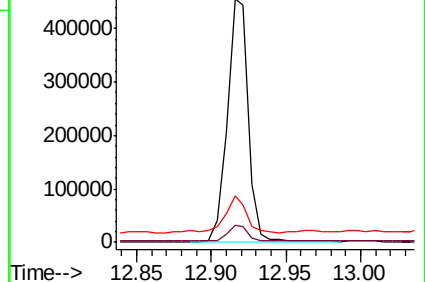
122 19.0 13.1 19.7



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



#81

Benzo(a)anthracene

Concen: 3.111 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

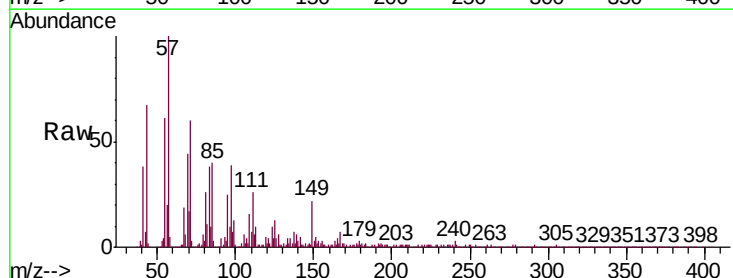
Tgt Ion:228 Resp: 24604

Ion Ratio Lower Upper

228 100

226 34.8 22.6 34.0#

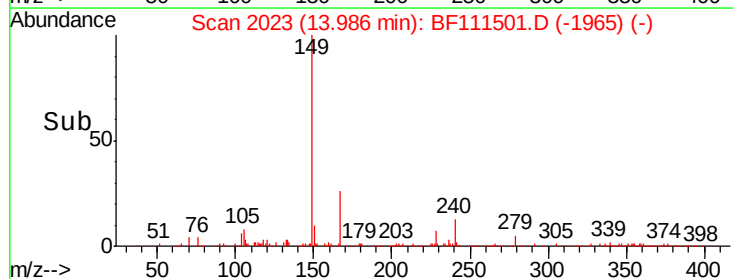
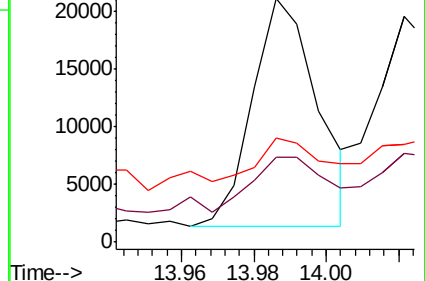
229 43.0 16.3 24.5#

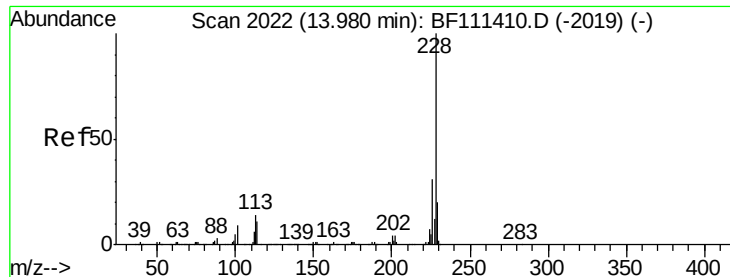


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.086 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.04 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

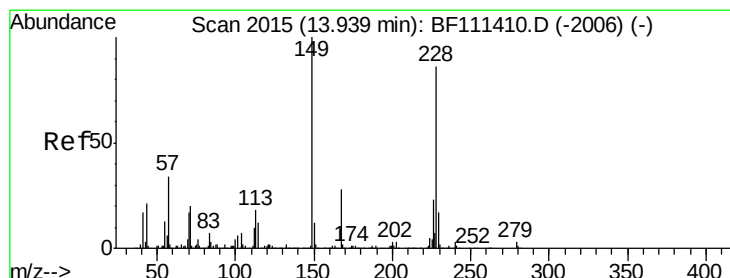
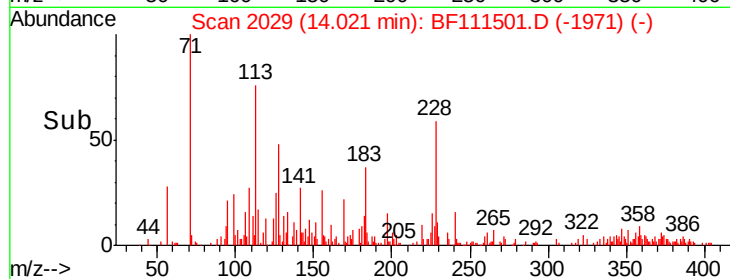
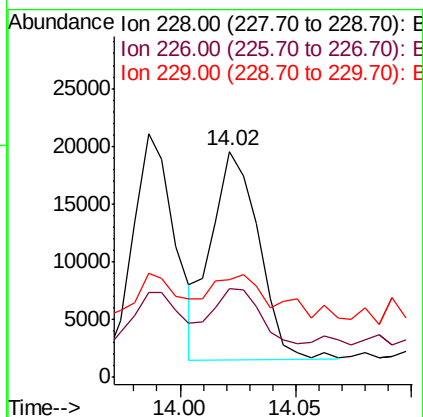
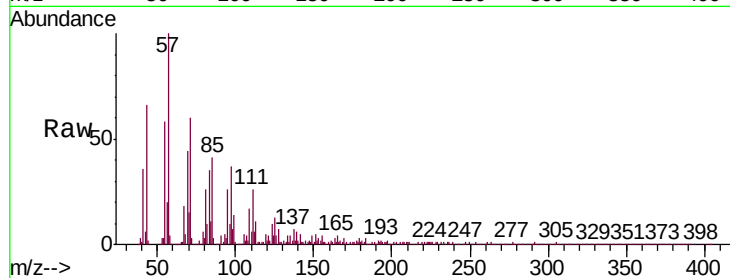
Tgt Ion:228 Resp: 25708

Ion Ratio Lower Upper

228 100

226 39.0 25.3 37.9#

229 43.1 17.2 25.8#



#84

Bis(2-ethylhexyl)phthalate

Concen: 96.833 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.04 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

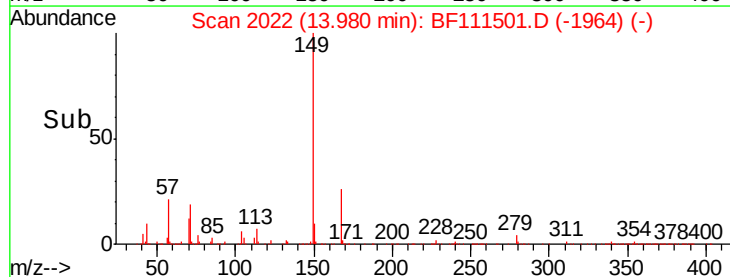
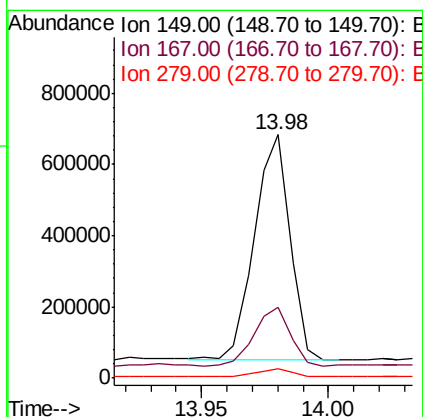
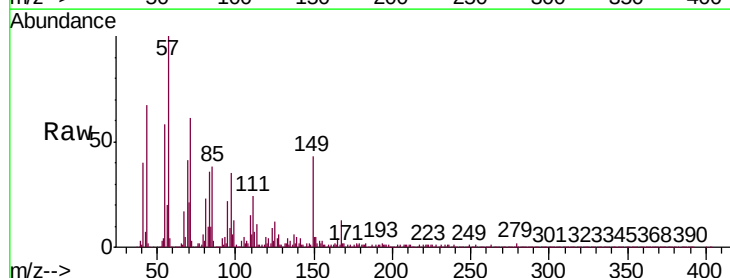
Tgt Ion:149 Resp: 618205

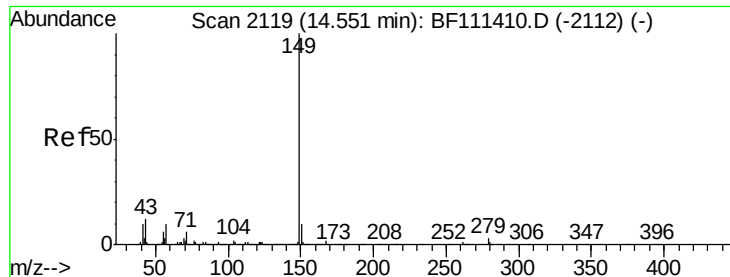
Ion Ratio Lower Upper

149 100

167 29.2 22.5 33.7

279 4.0 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 3.974 ng

RT: 14.63 min Scan# 2132

Delta R.T. 0.08 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

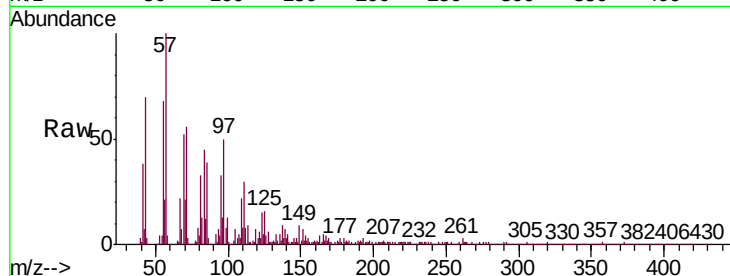
Tgt Ion:149 Resp: 42791

Ion Ratio Lower Upper

149 100

167 50.1 1.3 1.9#

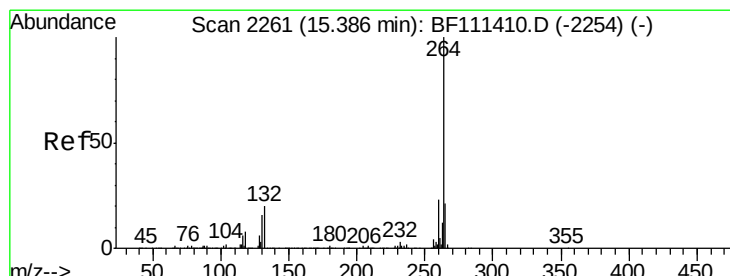
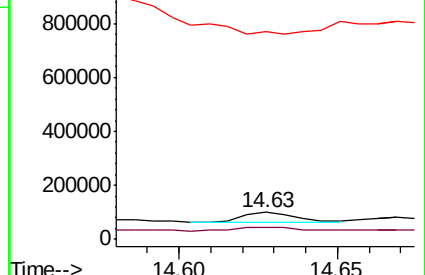
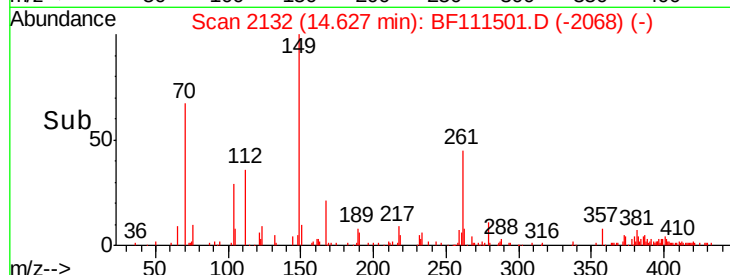
43 0.0 10.9 16.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.07 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

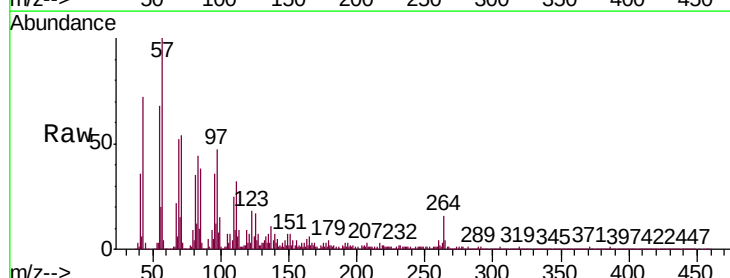
Tgt Ion:264 Resp: 142286

Ion Ratio Lower Upper

264 100

260 25.7 18.3 27.5

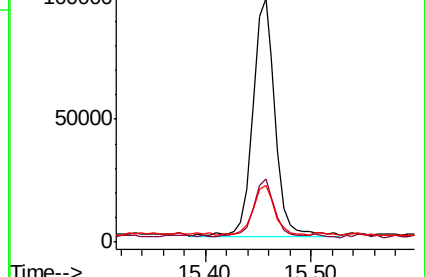
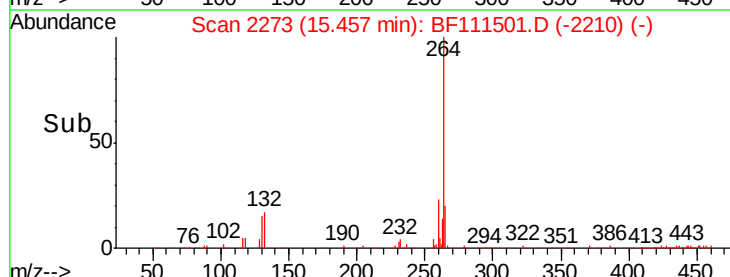
265 23.2 17.7 26.5

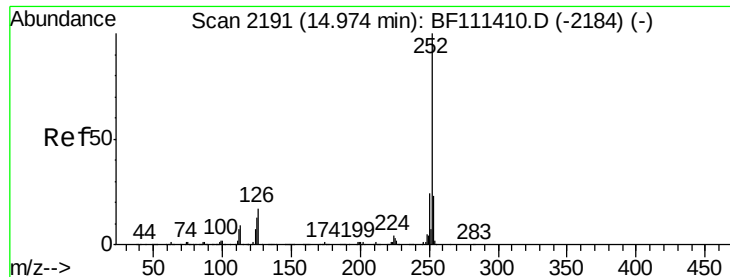


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.239 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.06 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

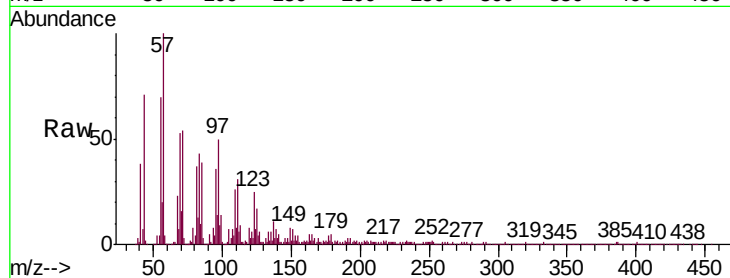
Tgt Ion:252 Resp: 35162

Ion Ratio Lower Upper

252 100

253 63.1 18.2 27.2#

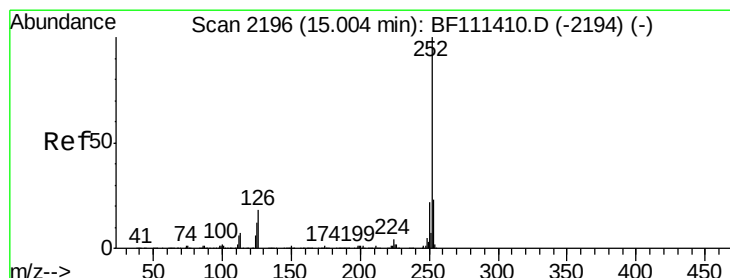
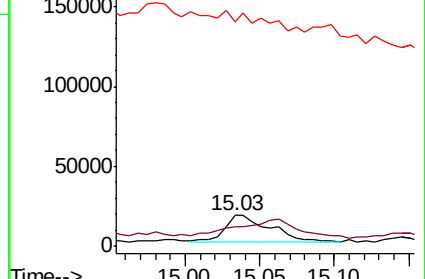
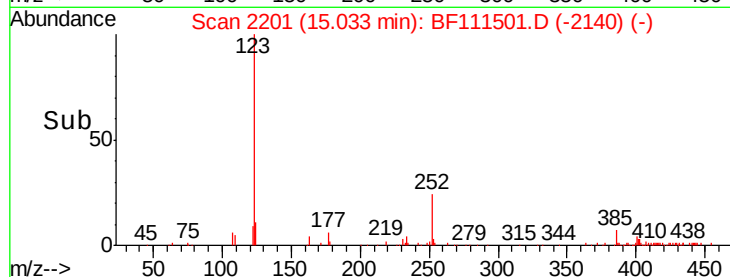
125 725.5 10.4 15.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 4.436 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.03 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

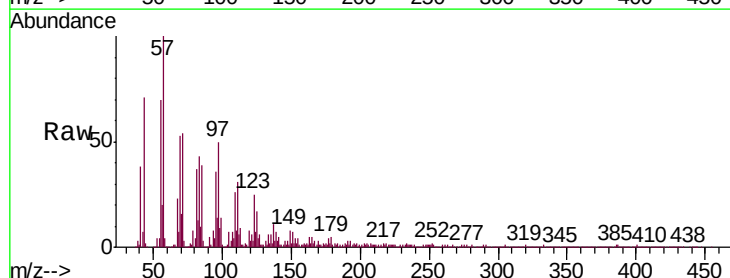
Tgt Ion:252 Resp: 35162

Ion Ratio Lower Upper

252 100

253 63.1 18.1 27.1#

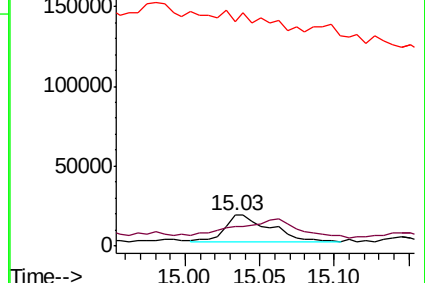
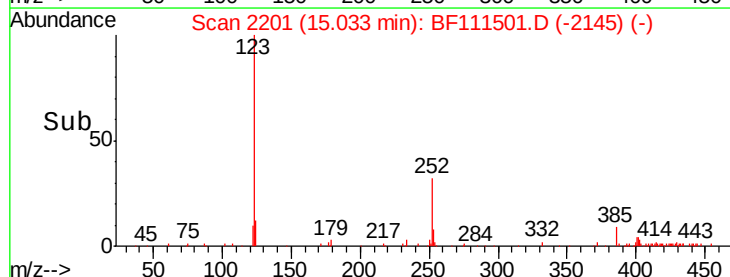
125 725.5 9.8 14.8#

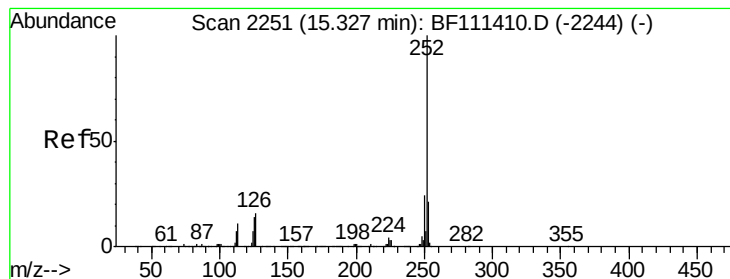


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.492 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.06 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

Instrument :

BNA_F

ClientSampleId :

COMP-1

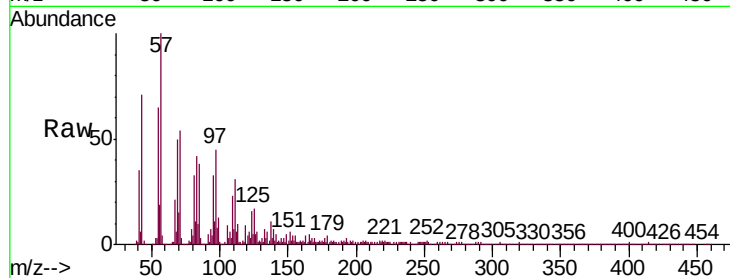
Tgt Ion:252 Resp: 18645

Ion Ratio Lower Upper

252 100

253 47.7 17.8 26.8#

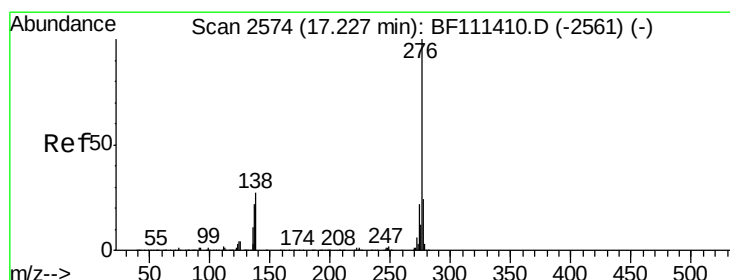
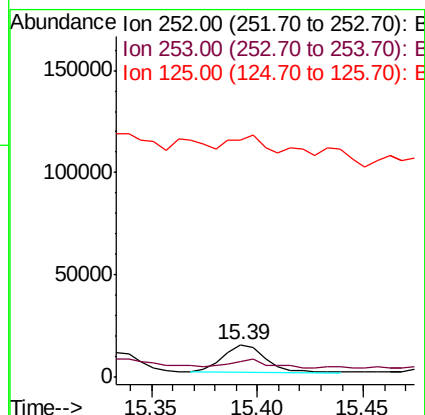
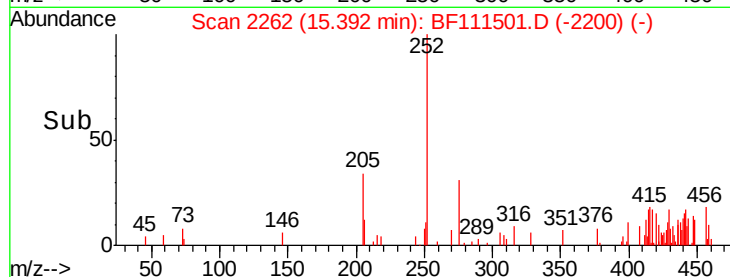
125 727.4 12.3 18.5#



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: 2.169 ng

RT: 17.31 min Scan# 2588

Delta R.T. 0.08 min

Lab File: BF111501.D

Acq: 16 Dec 2018 7:55

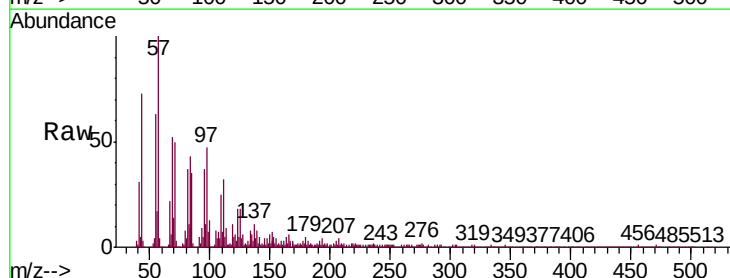
Tgt Ion:276 Resp: 12561

Ion Ratio Lower Upper

276 100

277 52.6 19.2 28.8#

138 174.7 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

