

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011916\
 Data File : BF084556.D
 Acq On : 19 Jan 2016 17:06
 Operator : SJ/UM
 Sample : H1169-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)

Quant Time: Jan 20 00:00:53 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	214269	20.00	ng	-0.03
21) Naphthalene-d8	8.08	136	763901	20.00	ng	-0.05
38) Acenaphthene-d10	9.84	164	403839	20.00	ng	-0.03
63) Phenanthrene-d10	11.31	188	686625	20.00	ng	-0.05
75) Chrysene-d12	13.95	240	460488	20.00	ng	-0.05
86) Perylene-d12	15.36	264	407686	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1484271	112.04	ng	-0.03
7) Phenol-d6	6.44	99	1892249	113.73	ng	-0.03
23) Nitrobenzene-d5	7.36	82	1086501	79.16	ng	-0.05
41) 2,4,6-Tribromophenol	10.62	330	421150	103.30	ng	-0.05
44) 2-Fluorobiphenyl	9.16	172	1693807	72.88	ng	-0.03
78) Terphenyl-d14	12.90	244	1299205	62.98	ng	-0.05

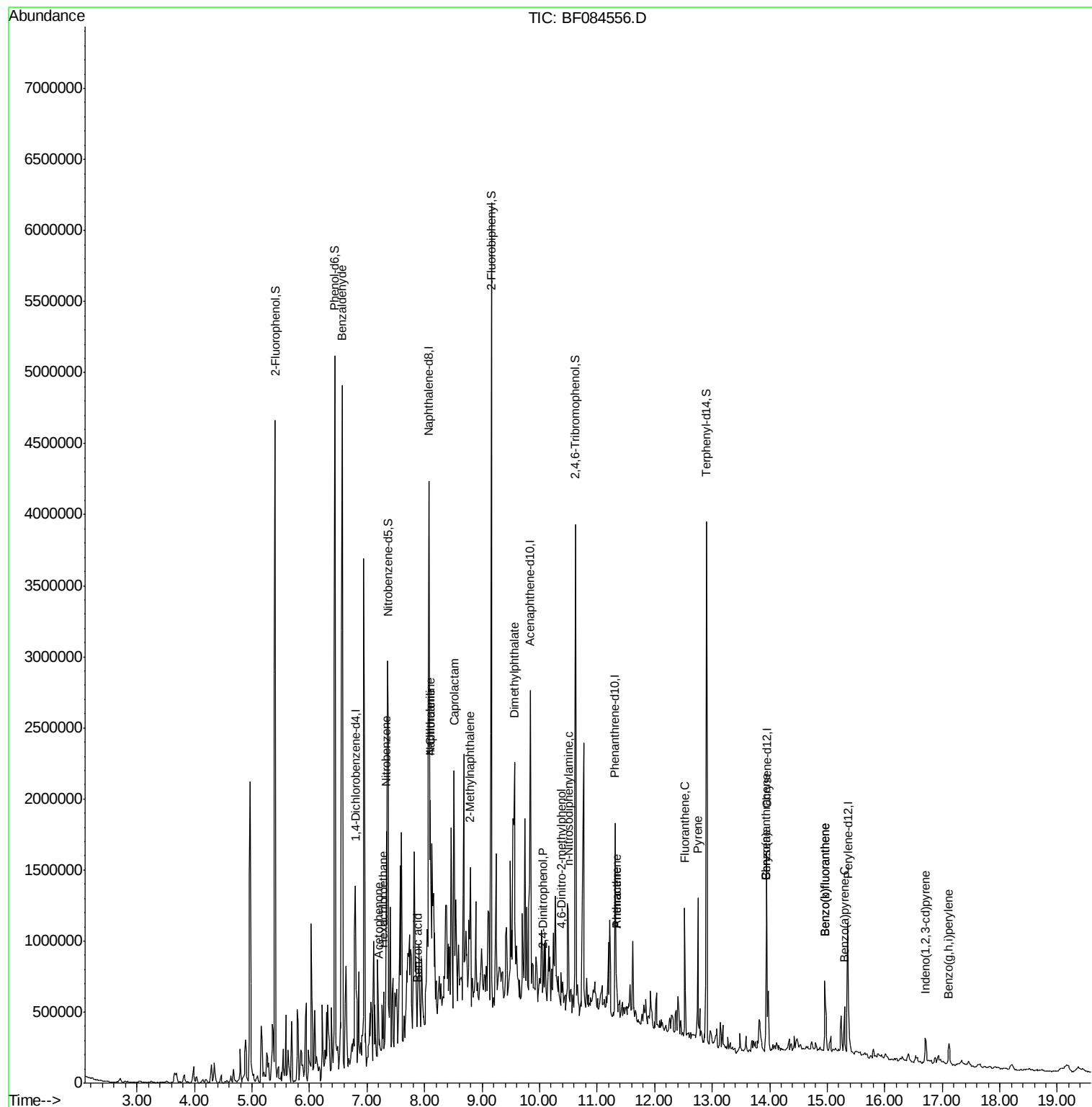
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	39932	3.69	ng	81
18) Hexachloroethane	7.29	117	23026	3.70	ng	# 1
22) Acetophenone	7.20	105	57093	3.11	ng	# 52
24) Nitrobenzene	7.33	77	42511	3.05	ng	# 22
31) Naphthalene	8.10	128	320471	9.25	ng	# 88
32) Benzoic acid	7.87	122	4425	6.72	ng	# 1
33) 4-Chloroaniline	8.10	127	46559	2.93	ng	# 28
35) Caprolactam	8.51	113	39117	10.86	ng	# 1
37) 2-Methylnaphthalene	8.80	142	303568	12.20	ng	# 98
49) Dimethylphthalate	9.56	163	339615	11.76	ng	# 91
53) 2,4-Dinitrophenol	10.05	184	1192	3.98	ng	# 1
54) Dibenzofuran	10.04	168	23504	Below	Cal	# 14
57) Fluorene	10.37	166	23578	Below	Cal	# 57
60) 4-Chlorophenyl-phenylether	10.38	204	1680	Below	Cal	# 1
64) 4,6-Dinitro-2-methylphenol	10.37	198	1715	6.72	ng	# 1
65) n-Nitrosodiphenylamine	10.50	169	66101	3.01	ng	# 38
70) Phenanthrene	11.33	178	118426	3.30	ng	96
71) Anthracene	11.33	178	118426	3.36	ng	97
73) Di-n-butylphthalate	11.86	149	2739	Below	Cal	# 34
74) Fluoranthene	12.52	202	371107	9.89	ng	99
77) Pyrene	12.75	202	386999	10.71	ng	99
80) Benzo(a)anthracene	13.94	228	228831	8.46	ng	# 93
82) Chrysene	13.94	228	228831	8.81	ng	97
85) Indeno(1,2,3-cd)pyrene	16.71	276	120760	5.86	ng	96
87) Benzo(b)fluoranthene	14.96	252	345070	12.94	ng	# 96
88) Benzo(k)fluoranthene	14.96	252	345070	15.82	ng	99
89) Benzo(a)pyrene	15.30	252	158323	7.00	ng	98
91) Benzo(g,h,i)perylene	17.12	276	114118	5.66	ng	96

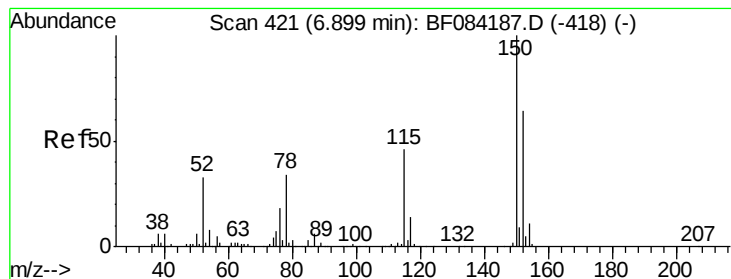
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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QLast Update : Thu Jan 14 14:15:52 2016
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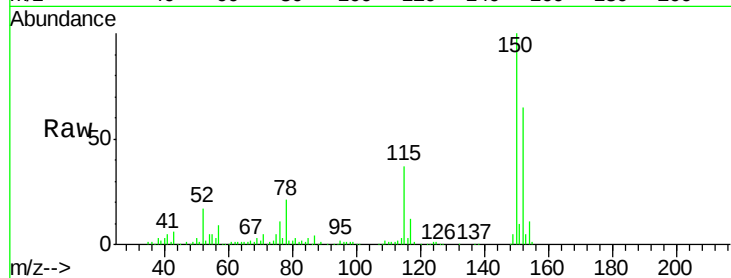


#1

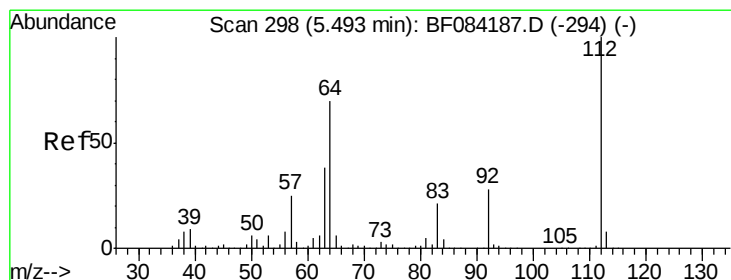
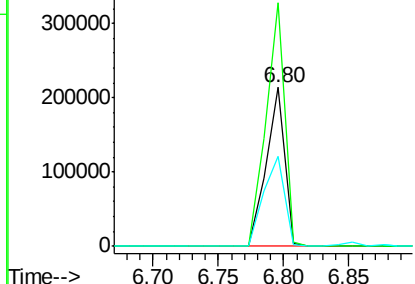
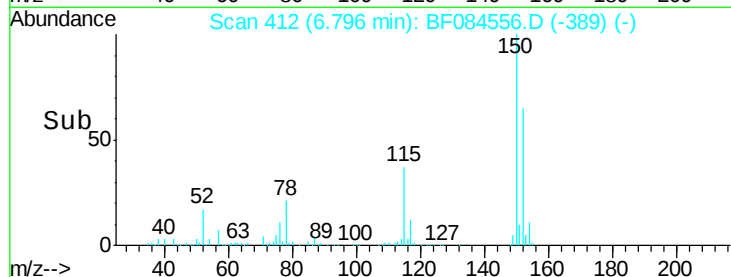
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.03 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

Tgt Ion:152 Resp: 214269
Ion Ratio Lower Upper
152 100
150 153.4 123.0 184.4
115 56.8 51.4 77.2



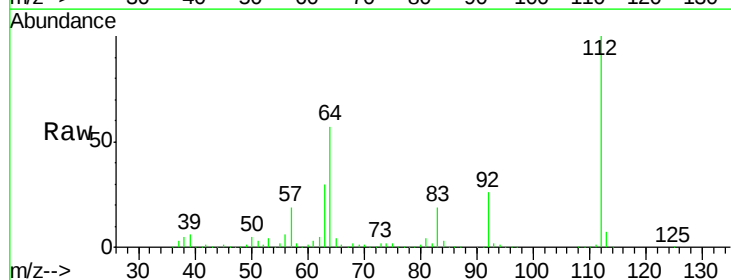
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



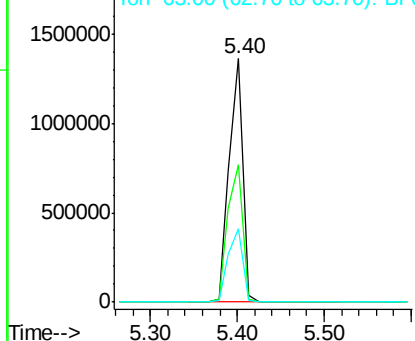
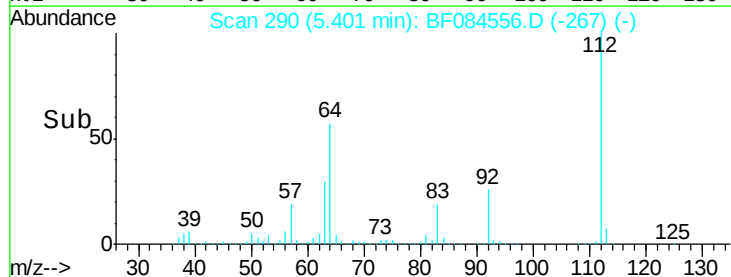
#5

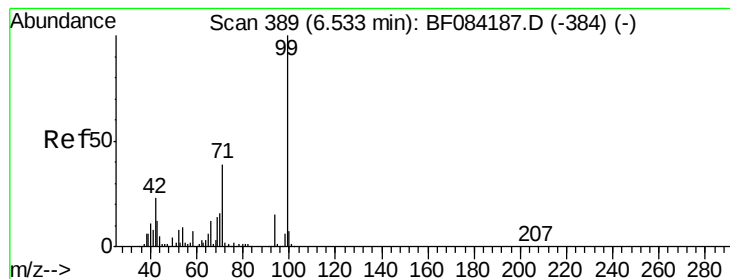
2-Fluorophenol
Concen: 112.04 ng
RT: 5.40 min Scan# 290
Delta R.T. -0.03 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

Tgt Ion:112 Resp: 1484271
Ion Ratio Lower Upper
112 100
64 56.6 36.6 55.0#
63 30.0 19.4 29.0#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 113.73 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.03 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

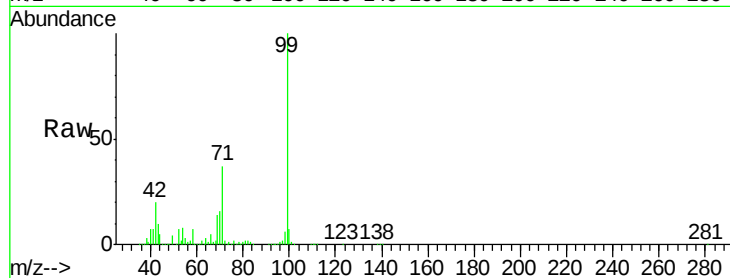
Tgt Ion: 99 Resp: 1892249

Ion Ratio Lower Upper

99 100

42 19.6 12.8 19.2#

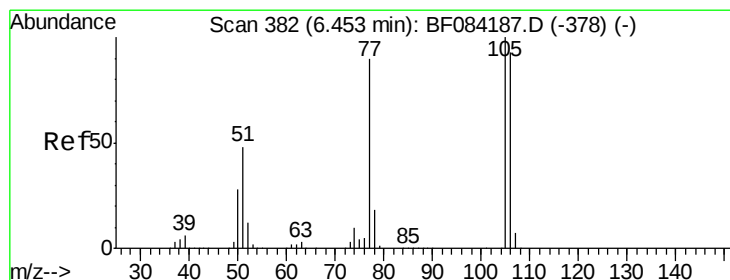
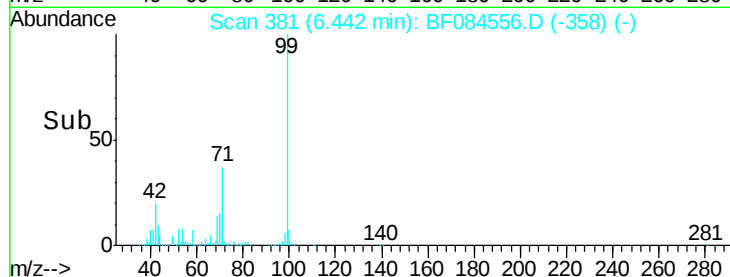
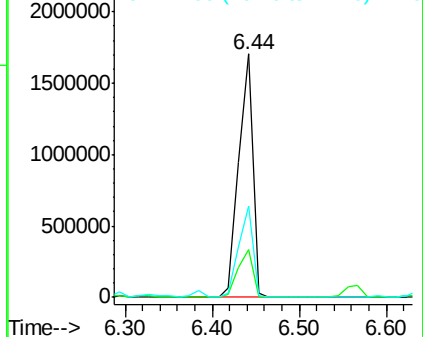
71 37.3 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.69 ng

RT: 6.57 min Scan# 392

Delta R.T. 0.18 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

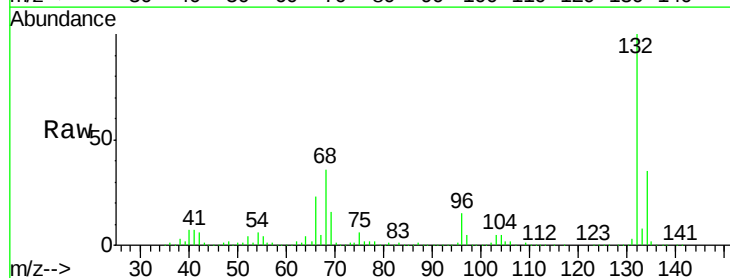
Tgt Ion: 77 Resp: 39932

Ion Ratio Lower Upper

77 100

105 84.5 83.0 123.0

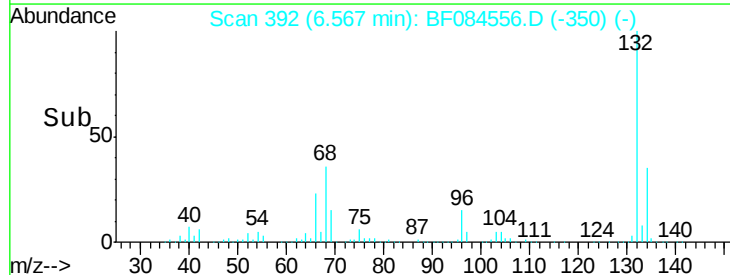
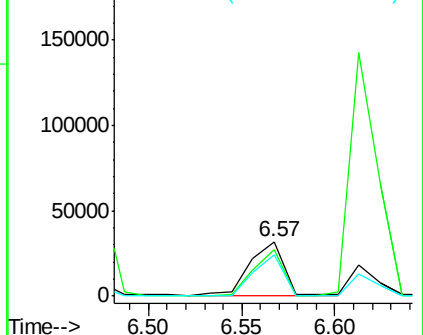
106 75.1 74.6 114.6

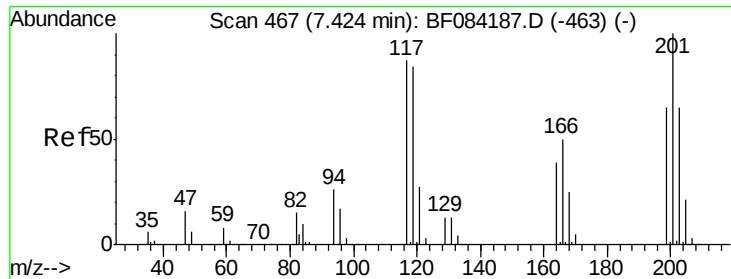


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

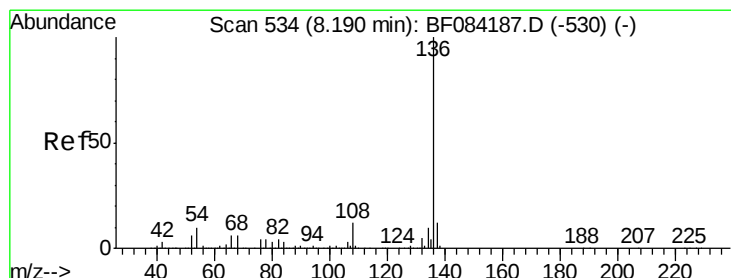
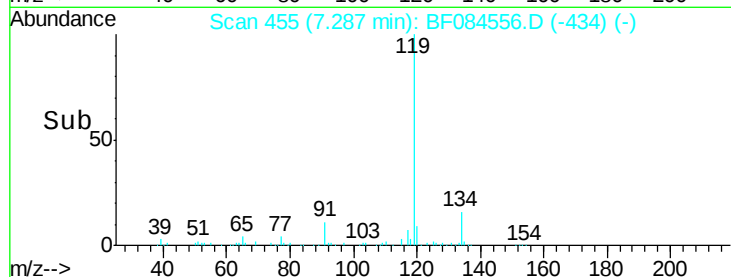
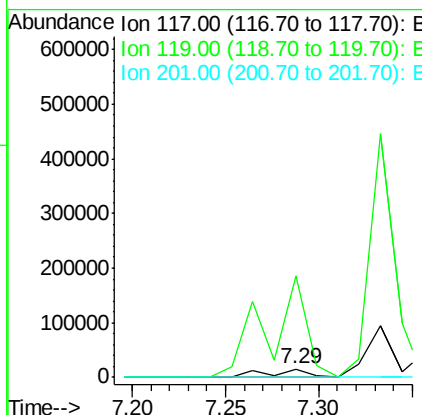
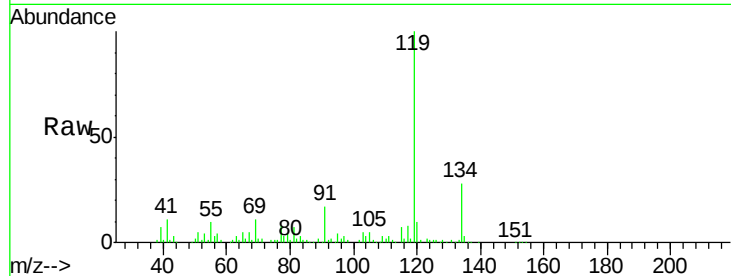




#18
Hexachloroethane
Concen: 3.70 ng
RT: 7.29 min Scan# 455
Delta R.T. -0.06 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

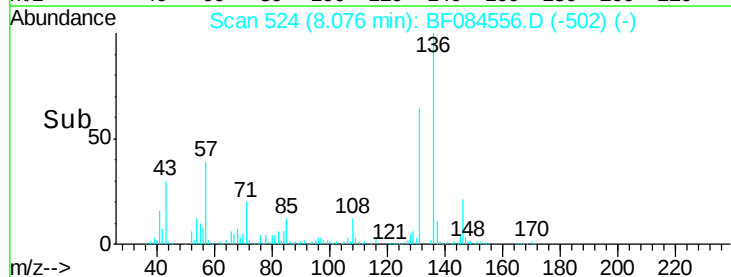
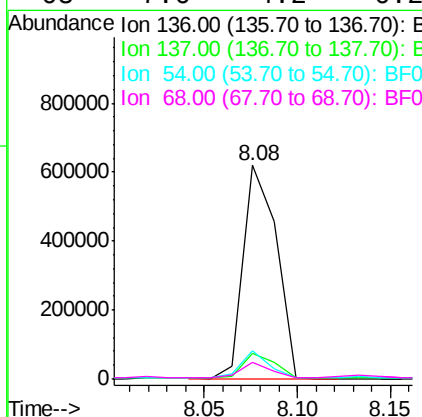
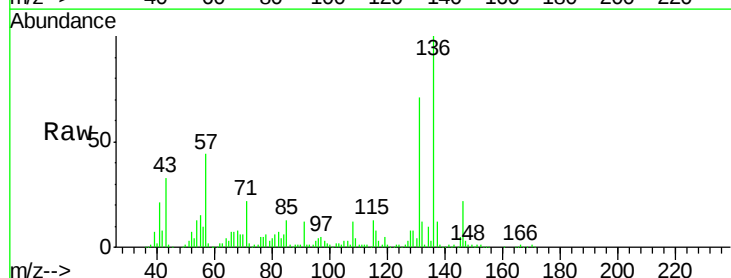
Instrument :
BNA_F
ClientSampled :
SP-003(0-2)

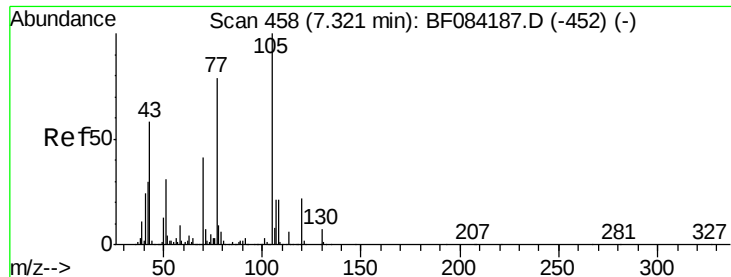
Tgt Ion:117 Resp: 23026
Ion Ratio Lower Upper
117 100
119 1243.2 77.4 116.0#
201 0.0 68.6 103.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.05 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

Tgt Ion:136 Resp: 763901
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 12.9 5.8 8.8#
68 7.6 4.2 6.2#

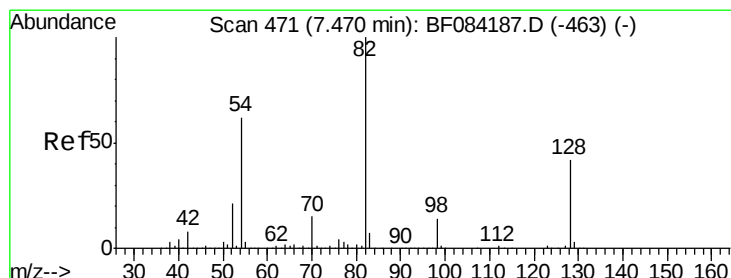
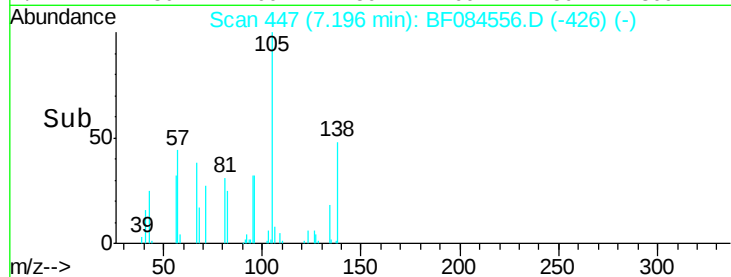
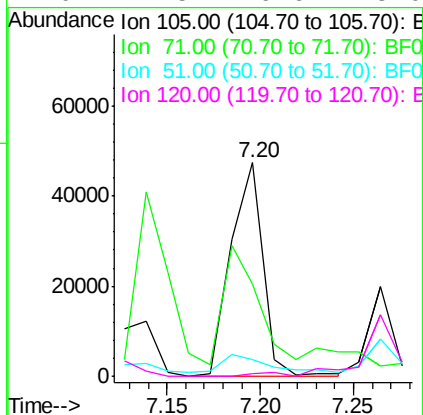
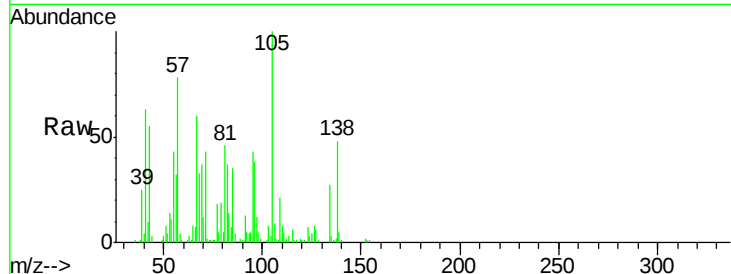




#22
Acetophenone
Concen: 3.11 ng
RT: 7.20 min Scan# 447
Delta R.T. -0.06 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

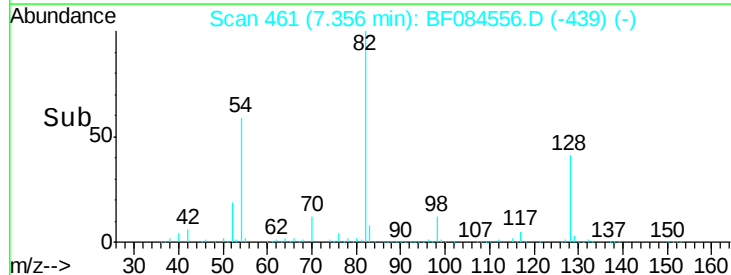
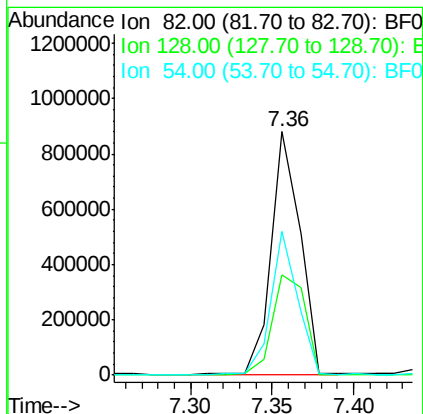
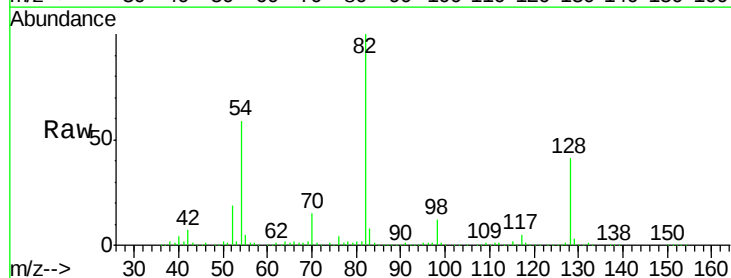
Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

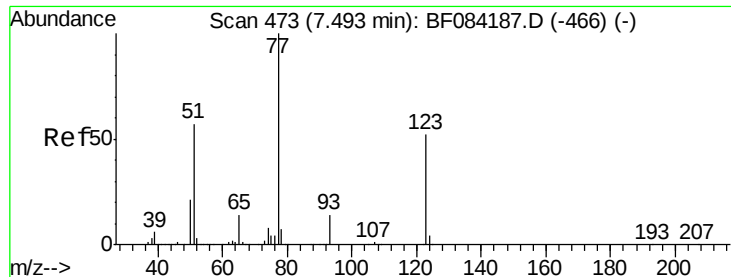
Tgt Ion:105 Resp: 57093
Ion Ratio Lower Upper
105 100
71 42.9 3.7 5.5#
51 8.1 25.1 37.7#
120 1.5 16.6 25.0#



#23
Nitrobenzene-d5
Concen: 79.16 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.05 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

Tgt Ion: 82 Resp: 1086501
Ion Ratio Lower Upper
82 100
128 41.1 34.6 51.8
54 59.0 38.4 57.6#





#24

Nitrobenzene

Concen: 3.05 ng

RT: 7.33 min Scan# 459

Delta R.T. -0.09 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

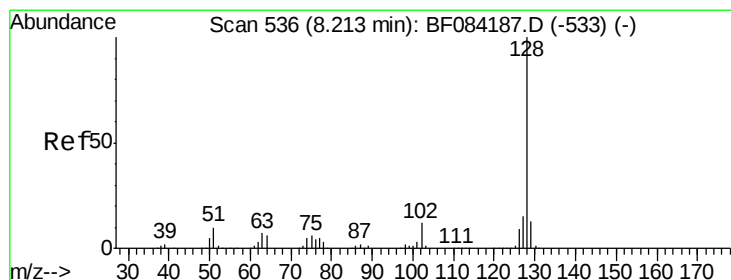
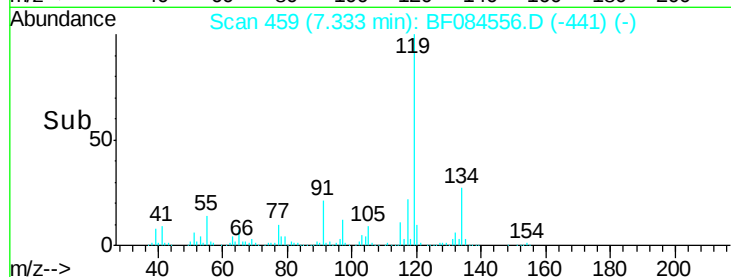
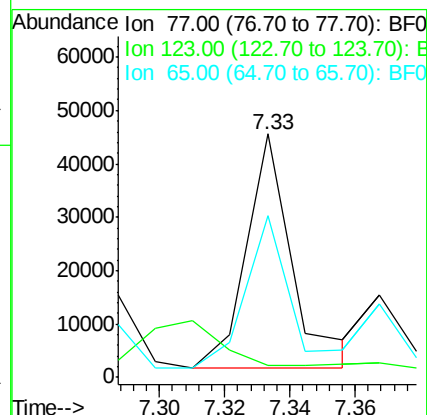
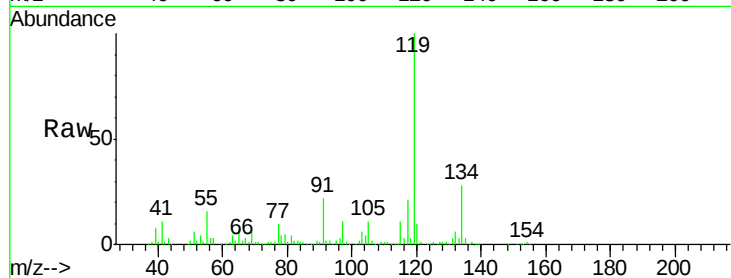
Tgt Ion: 77 Resp: 42511

Ion Ratio Lower Upper

77 100

123 4.8 37.4 56.2#

65 66.6 10.9 16.3#



#31

Naphthalene

Concen: 9.25 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

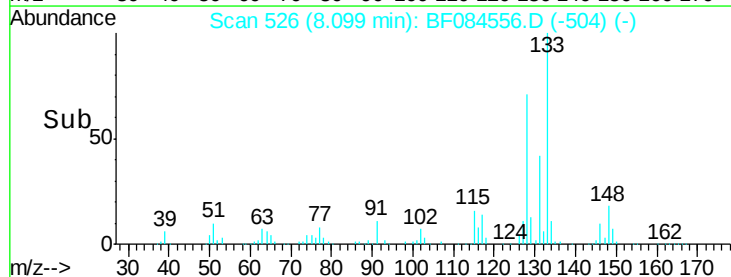
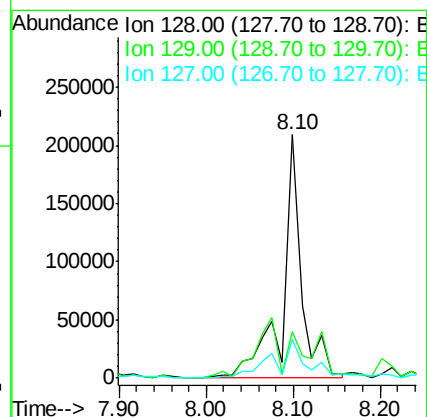
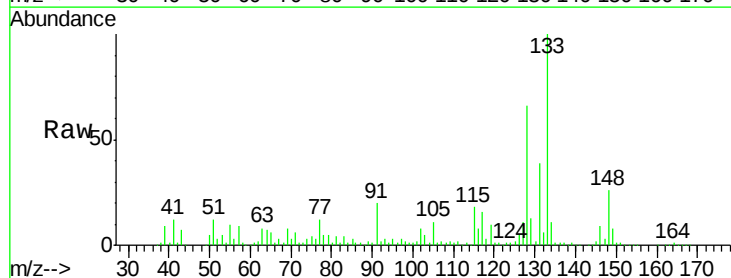
Tgt Ion: 128 Resp: 320471

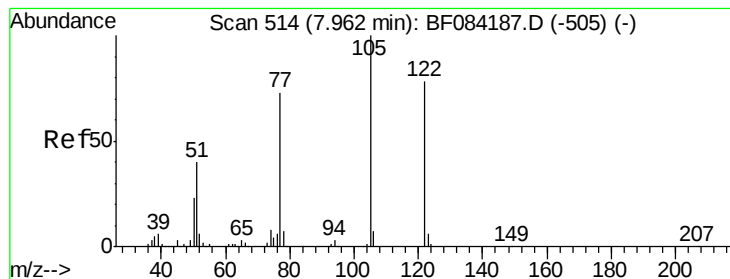
Ion Ratio Lower Upper

128 100

129 19.2 9.1 13.7#

127 16.1 11.1 16.7





#32

Benzoic acid

Concen: 6.72 ng

RT: 7.87 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

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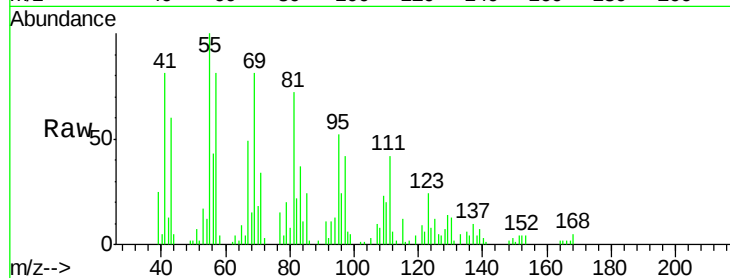
Tgt Ion:122 Resp: 4425

Ion Ratio Lower Upper

122 100

105 47.1 100.3 140.3#

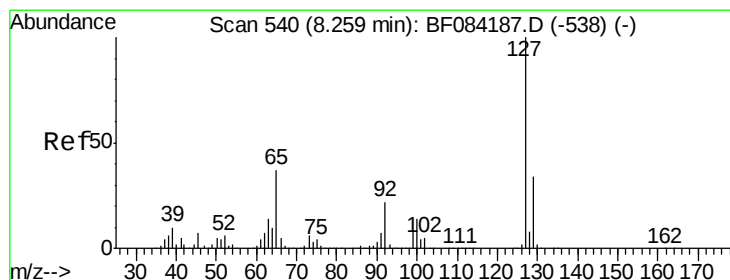
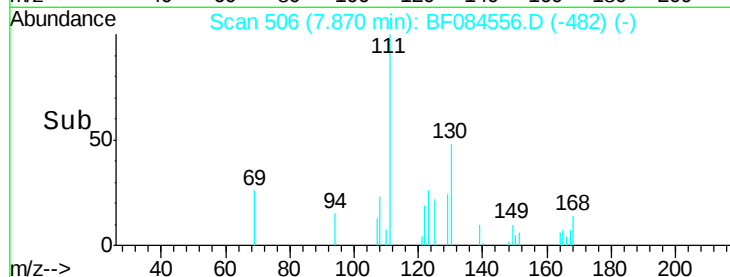
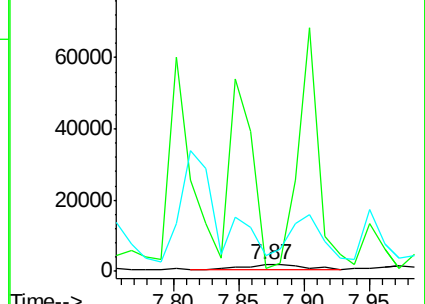
77 240.3 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 2.93 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.10 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Tgt Ion:127 Resp: 46559

Ion Ratio Lower Upper

127 100

129 118.9 26.5 39.7#

65 55.3 27.2 40.8#

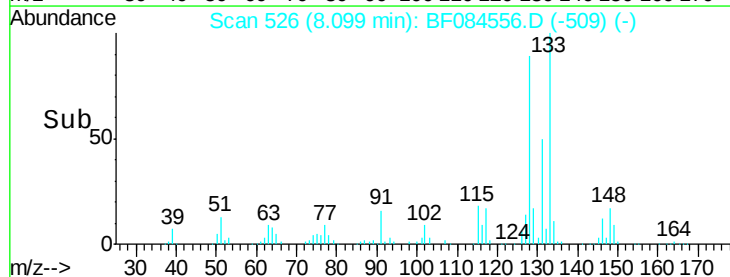
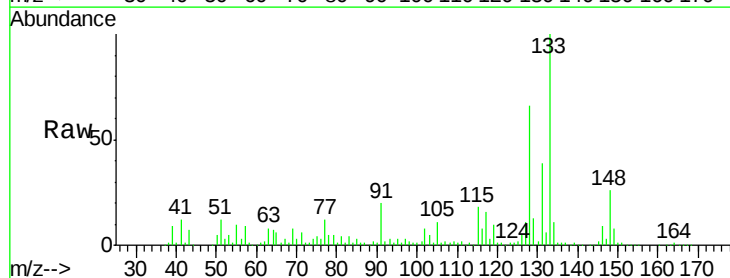
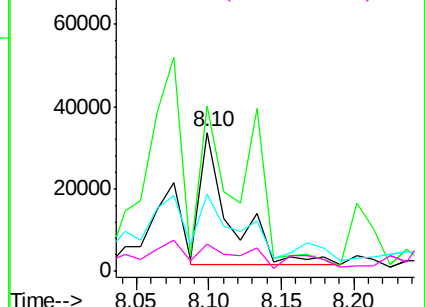
92 19.8 17.7 26.5

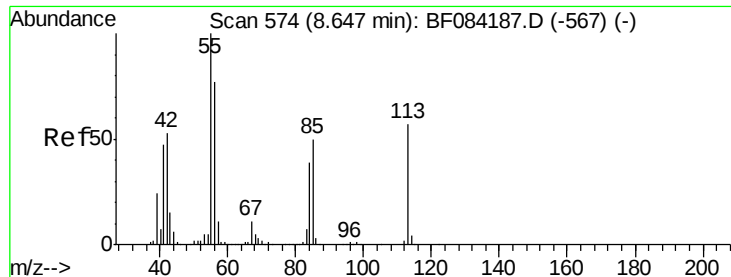
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#35

Caprolactam

Concen: 10.86 ng

RT: 8.51 min Scan# 562

Delta R.T. -0.06 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampled :

SP-003(0-2)

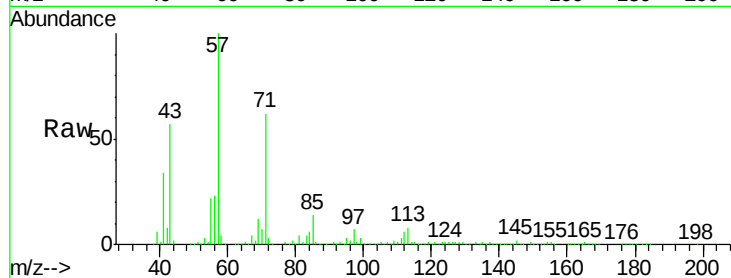
Tgt Ion:113 Resp: 39117

Ion Ratio Lower Upper

113 100

55 291.5 116.9 156.9#

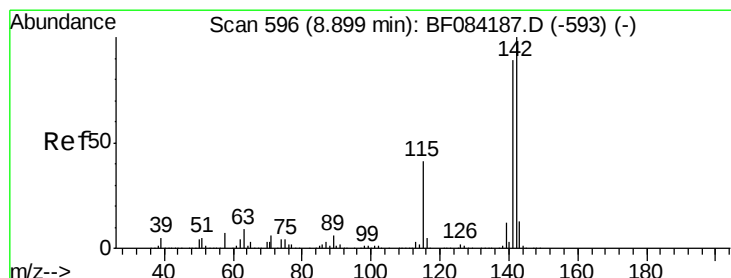
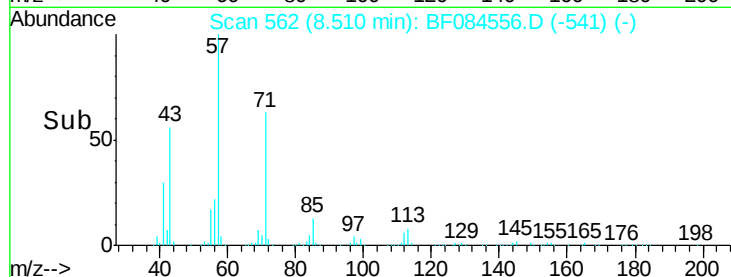
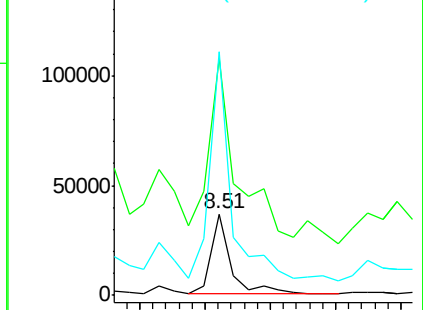
56 299.5 93.8 133.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 12.20 ng

RT: 8.80 min Scan# 587

Delta R.T. -0.03 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

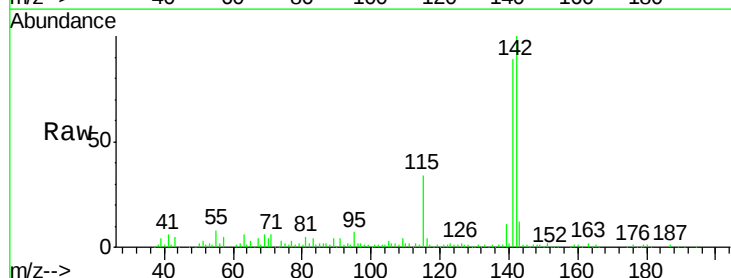
Tgt Ion:142 Resp: 303568

Ion Ratio Lower Upper

142 100

141 89.2 72.4 108.6

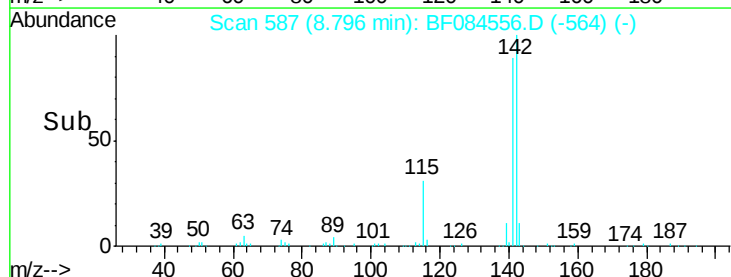
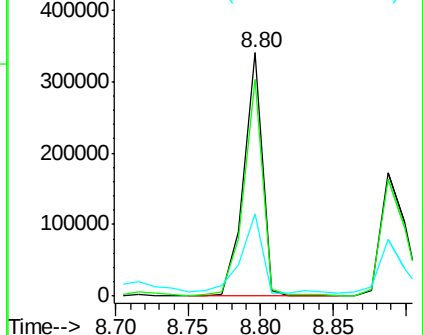
115 33.7 27.9 41.9

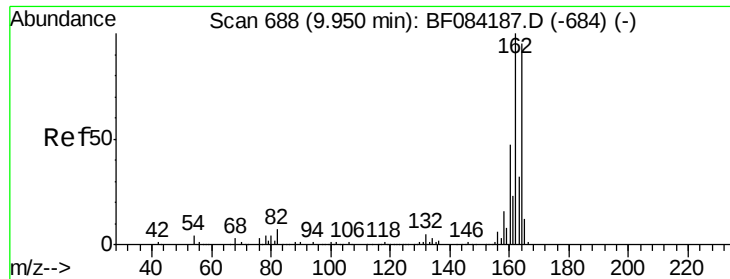


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 678

Delta R.T. -0.03 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

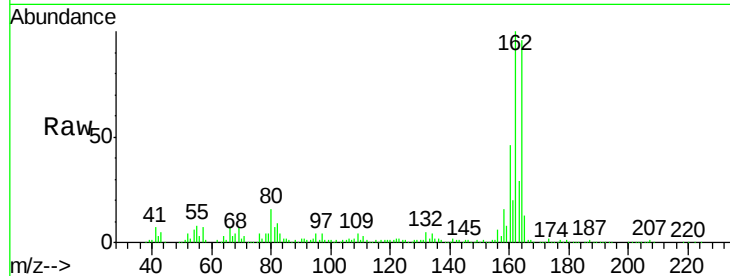
Tgt Ion:164 Resp: 403839

Ion Ratio Lower Upper

164 100

162 103.7 85.1 127.7

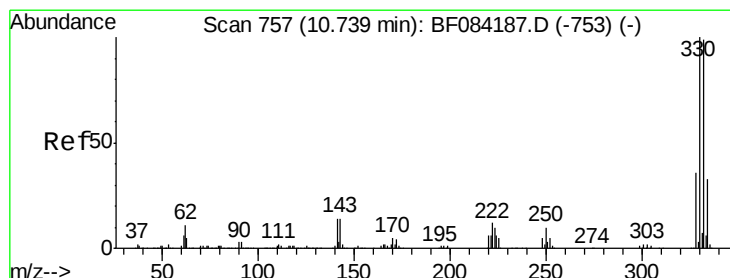
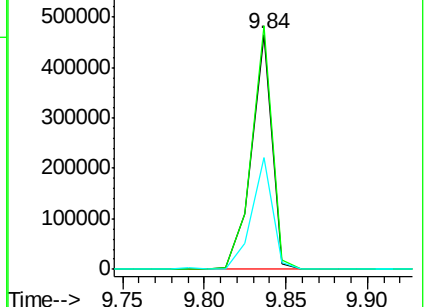
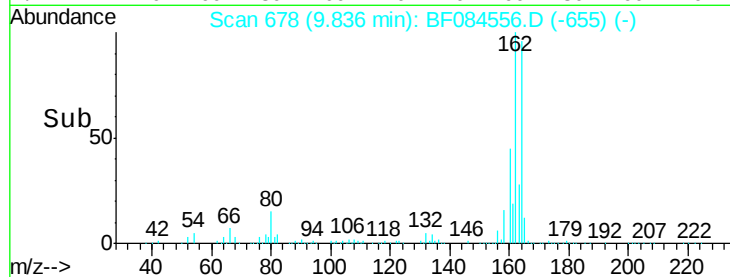
160 47.8 37.5 56.3



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



#41

2,4,6-Tribromophenol

Concen: 103.30 ng

RT: 10.62 min Scan# 747

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

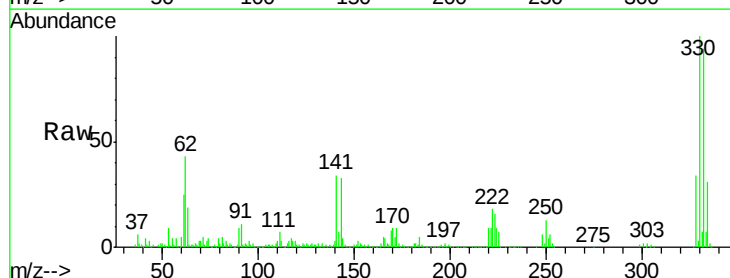
Tgt Ion:330 Resp: 421150

Ion Ratio Lower Upper

330 100

332 95.1 76.6 114.8

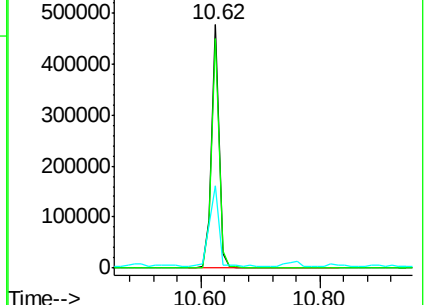
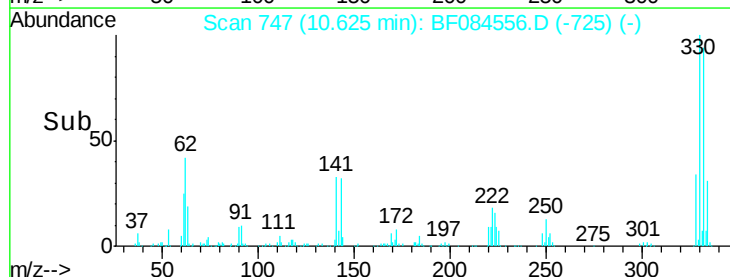
141 42.3 27.8 41.6#

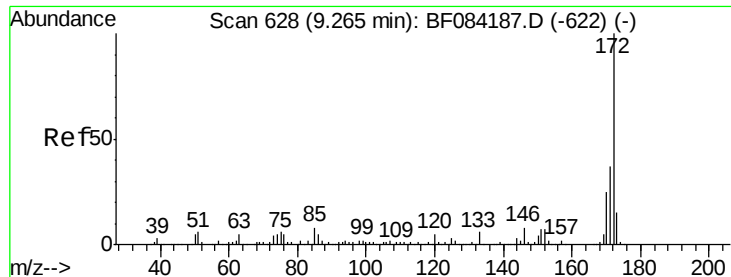


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 72.88 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.03 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

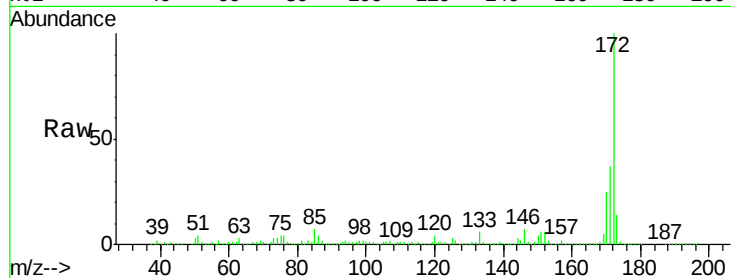
BNA_F

ClientSampleId :

SP-003(0-2)

Tgt Ion:172 Resp: 1693807

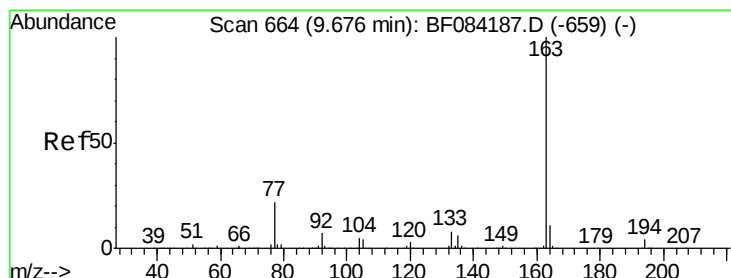
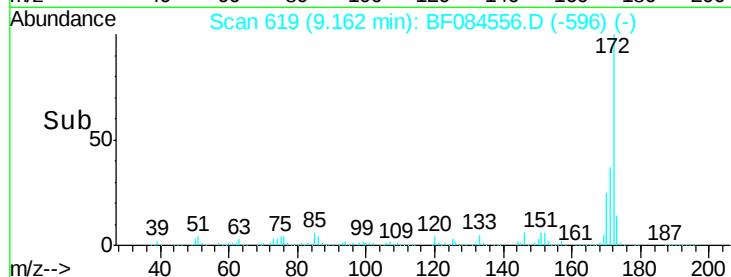
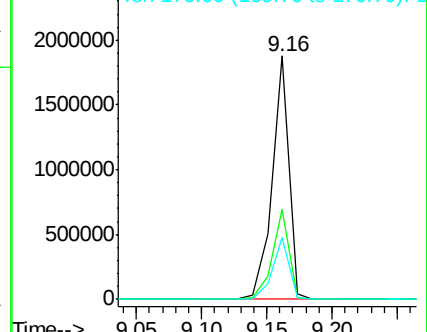
Ion	Ratio	Lower	Upper
172	100		
171	37.0	28.9	43.3
170	25.2	18.6	27.8



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

Dimethylphthalate

Concen: 11.76 ng

RT: 9.56 min Scan# 654

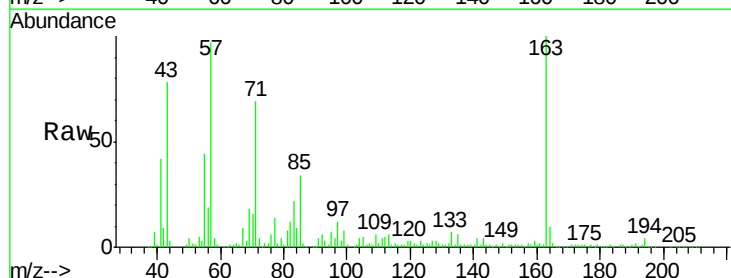
Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Tgt Ion:163 Resp: 339615

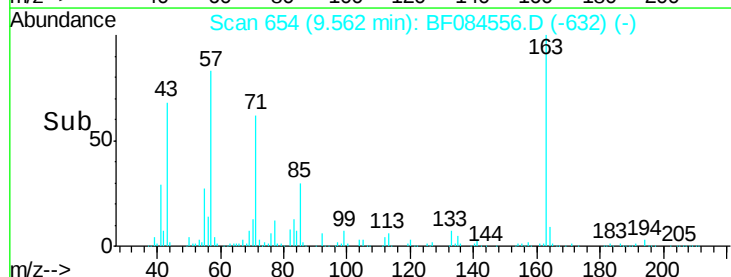
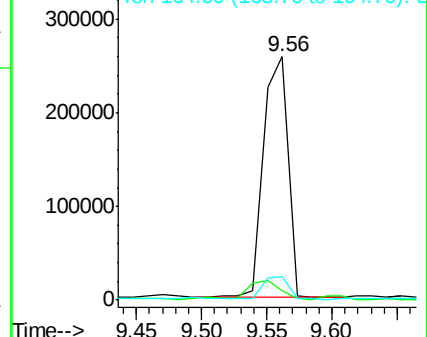
Ion	Ratio	Lower	Upper
163	100		
194	3.7	8.0	12.0#
164	9.6	8.0	12.0

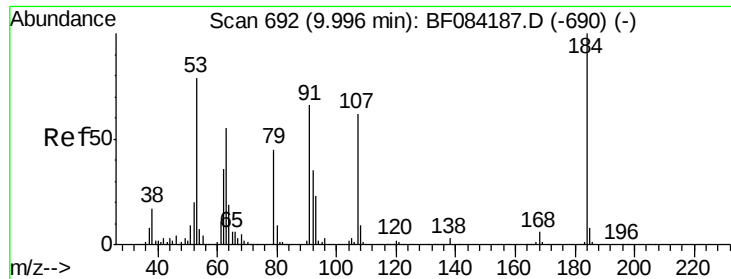


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

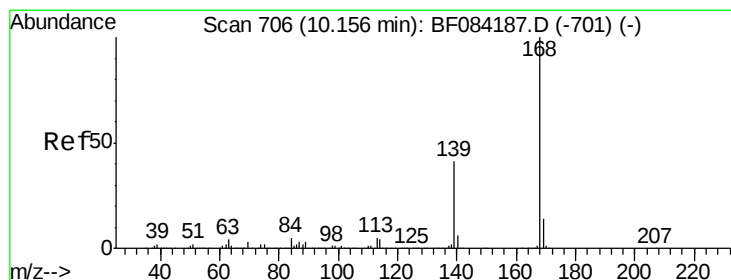
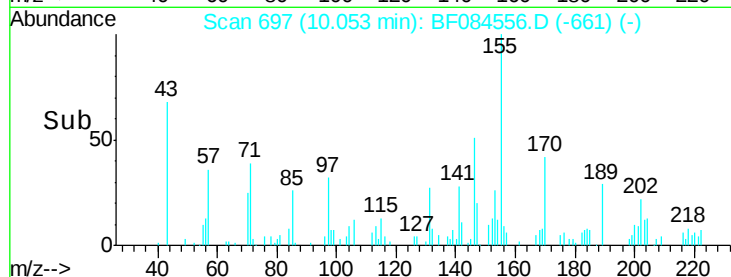
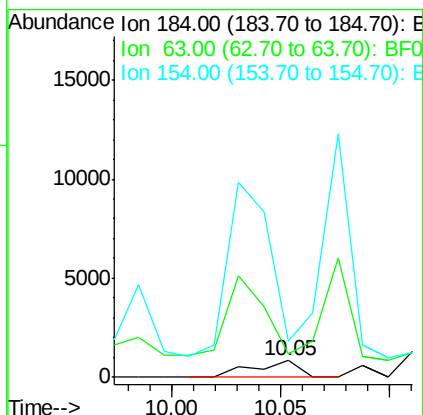
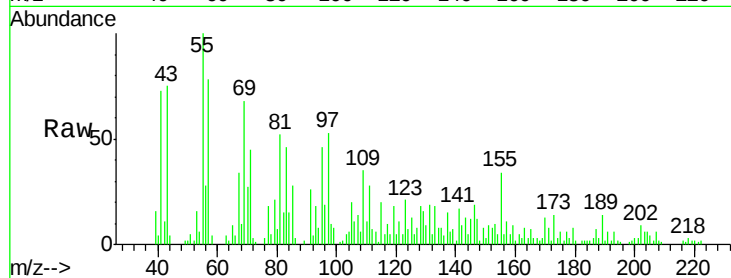




#53
2,4-Dinitrophenol
Concen: 3.98 ng
RT: 10.05 min Scan# 697
Delta R.T. 0.11 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

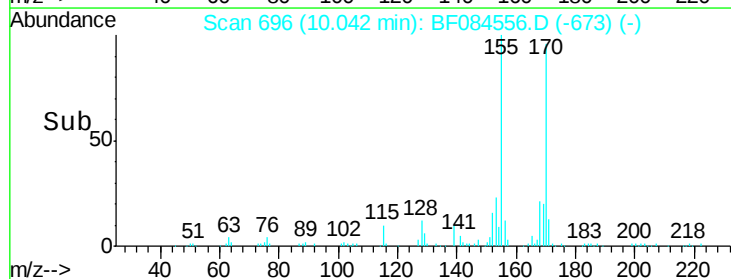
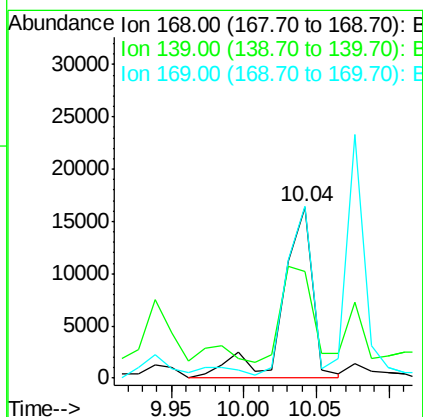
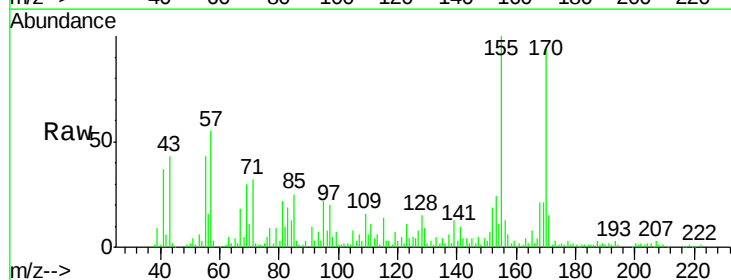
Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

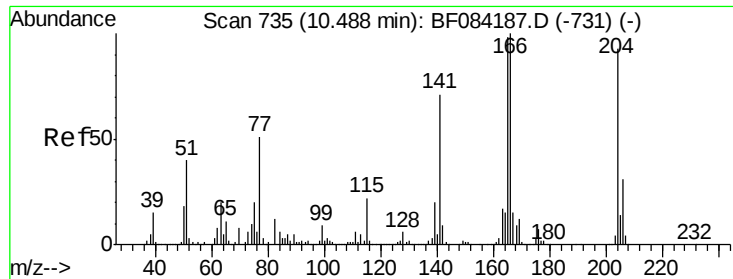
Tgt Ion:184 Resp: 1192
Ion Ratio Lower Upper
184 100
63 145.6 43.1 64.7#
154 219.2 60.5 90.7#



#54
Dibenzofuran
Concen: Below Cal
RT: 10.04 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

Tgt Ion:168 Resp: 23504
Ion Ratio Lower Upper
168 100
139 62.2 30.5 45.7#
169 100.4 10.4 15.6#





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

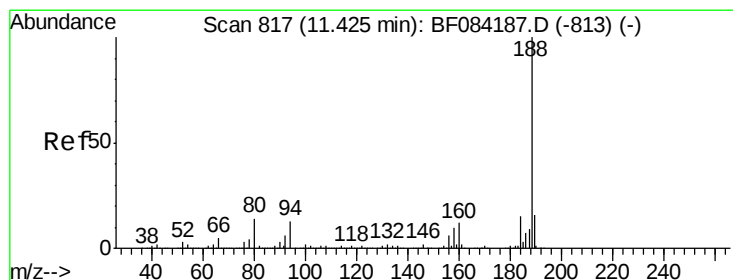
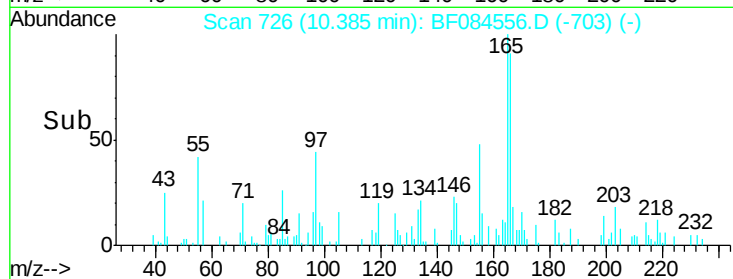
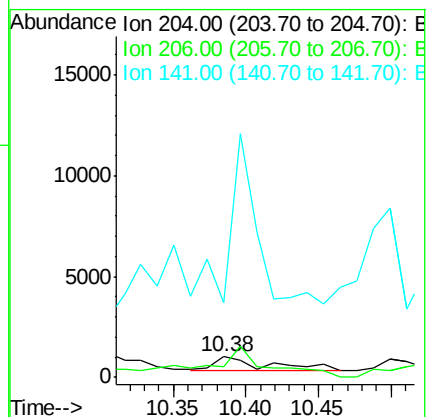
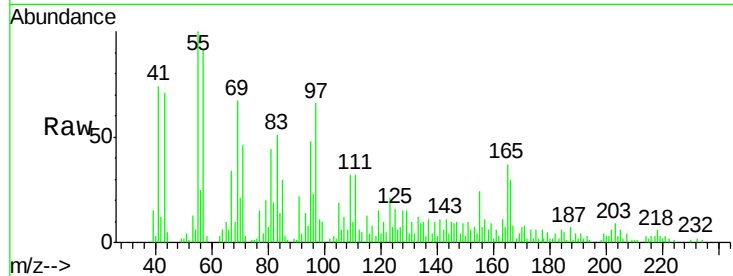
Tgt Ion:204 Resp: 1680

Ion Ratio Lower Upper

204 100

206 51.7 25.7 38.5#

141 366.9 55.1 82.7#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.31 min Scan# 807

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

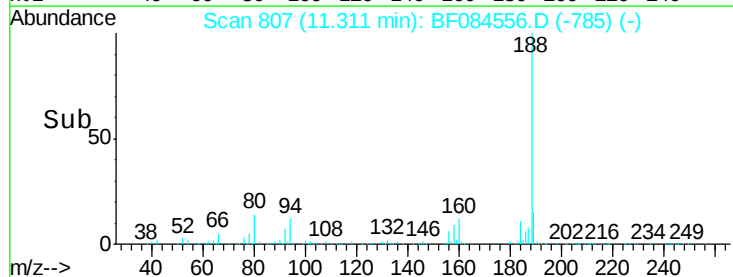
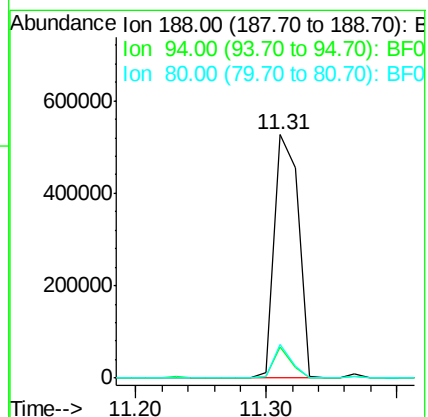
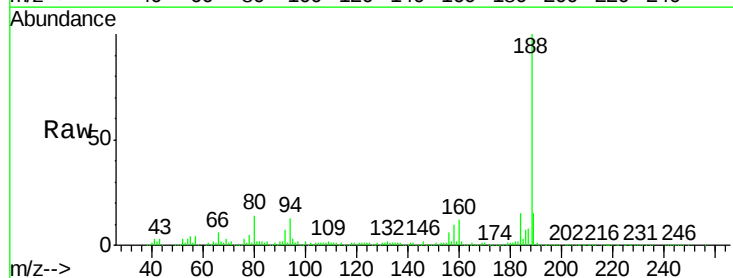
Tgt Ion:188 Resp: 686625

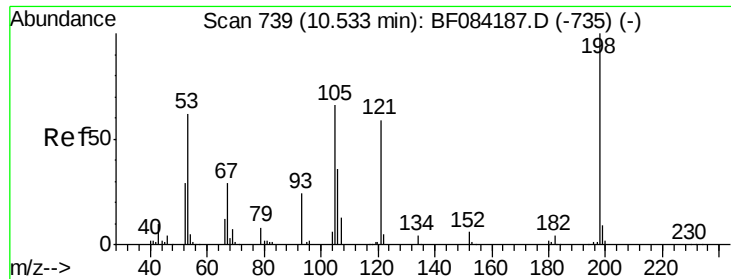
Ion Ratio Lower Upper

188 100

94 12.6 9.0 13.4

80 14.0 9.6 14.4

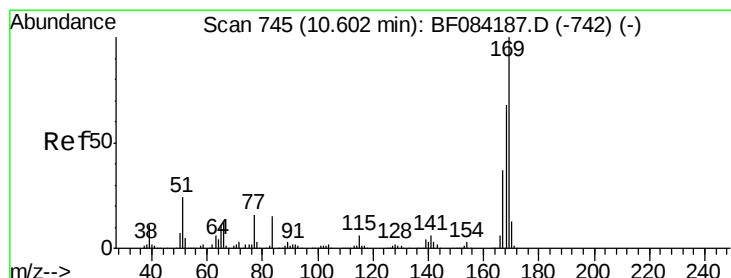
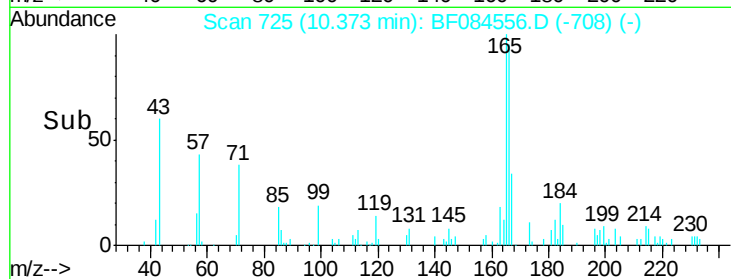
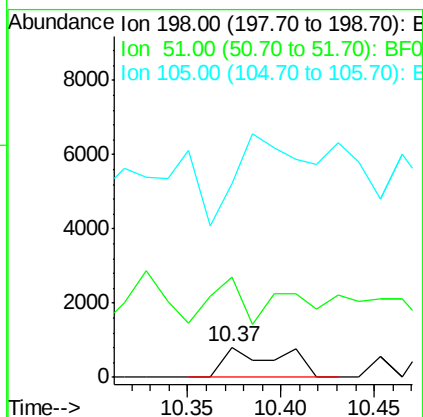
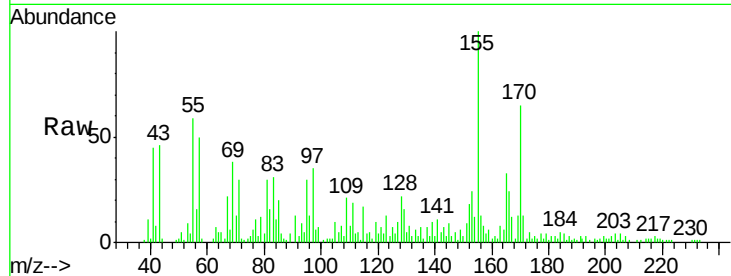




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.72 ng
 RT: 10.37 min Scan# 725
 Delta R.T. -0.10 min
 Lab File: BF084556.D
 Acq: 19 Jan 2016 17:06

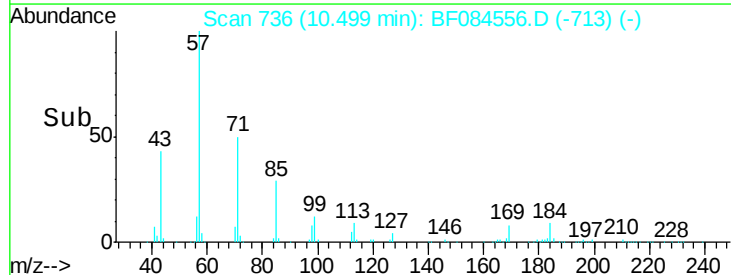
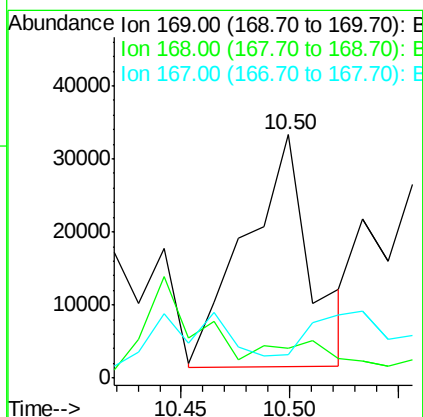
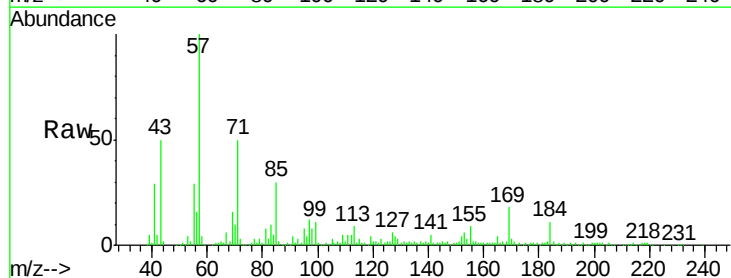
Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)

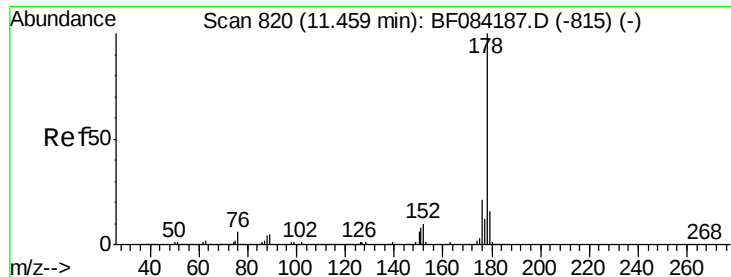
Tgt Ion:198 Resp: 1715
 Ion Ratio Lower Upper
 198 100
 51 333.0 18.9 58.9#
 105 641.6 26.4 66.4#



#65
 n-Nitrosodiphenylamine
 Concen: 3.01 ng
 RT: 10.50 min Scan# 736
 Delta R.T. -0.03 min
 Lab File: BF084556.D
 Acq: 19 Jan 2016 17:06

Tgt Ion:169 Resp: 66101
 Ion Ratio Lower Upper
 169 100
 168 12.2 55.1 82.7#
 167 9.6 30.0 45.0#





#70

Phenanthrene

Concen: 3.30 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

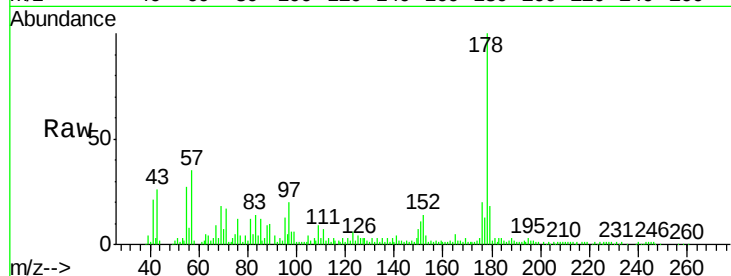
Tgt Ion:178 Resp: 118426

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

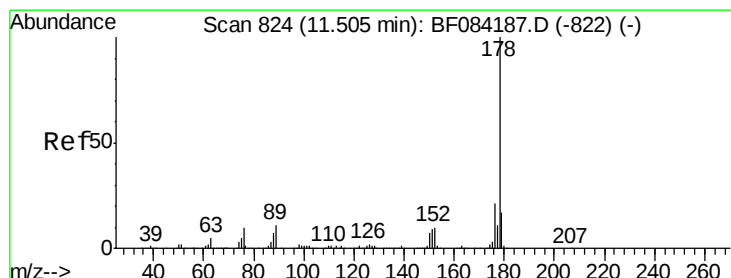
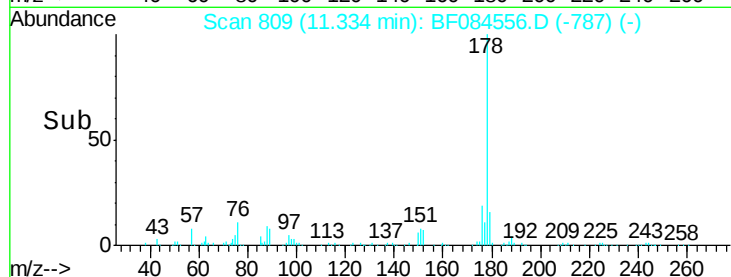
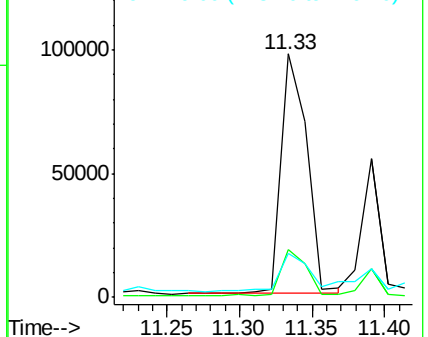
179 18.0 12.0 18.0



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



#71

Anthracene

Concen: 3.36 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.10 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

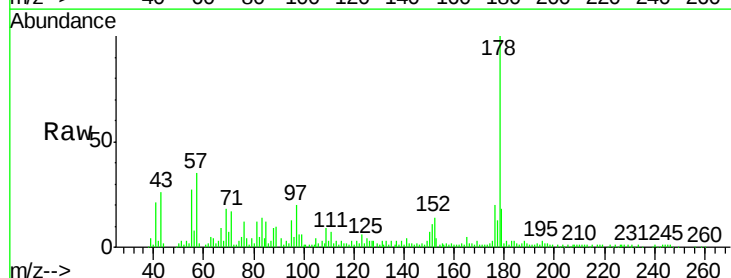
Tgt Ion:178 Resp: 118426

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

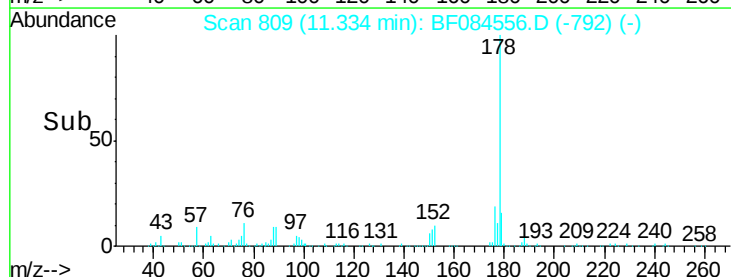
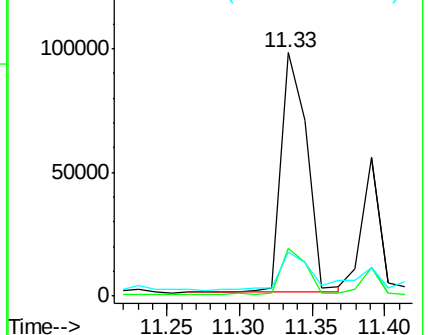
179 18.0 12.5 18.7

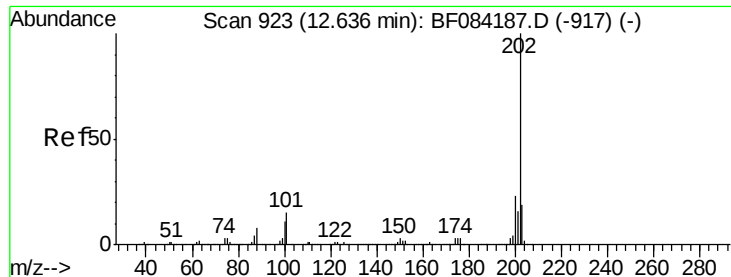


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.89 ng

RT: 12.52 min Scan# 913

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

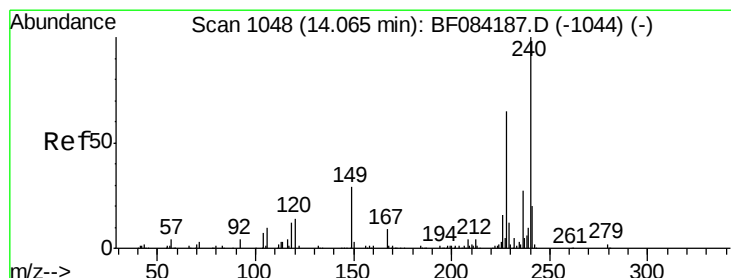
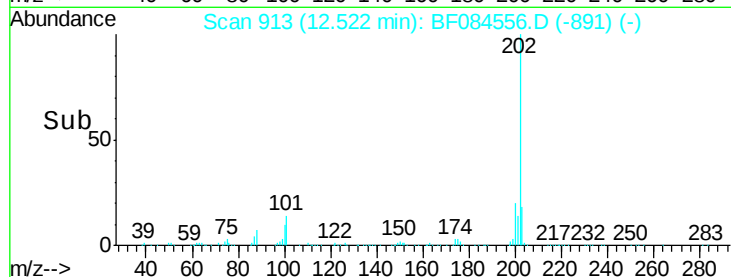
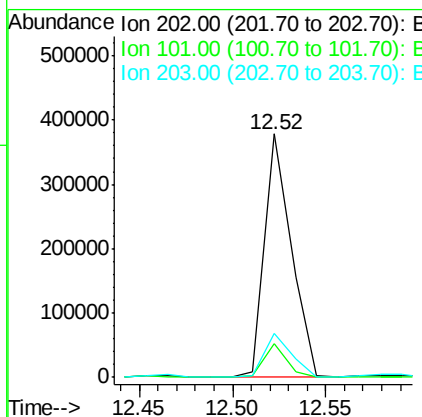
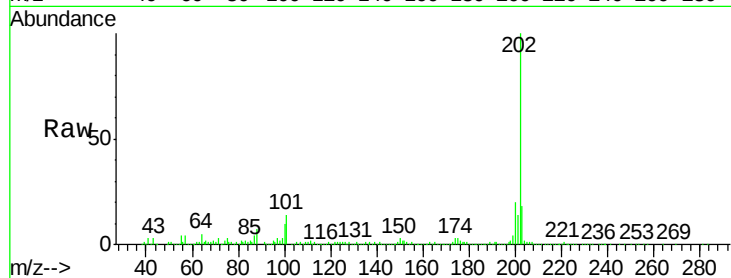
Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

Tgt Ion:	202	Resp:	371107
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.8
203	18.3	0.0	37.9



#75

Chrysene-d12

Concen: 20.00 ng

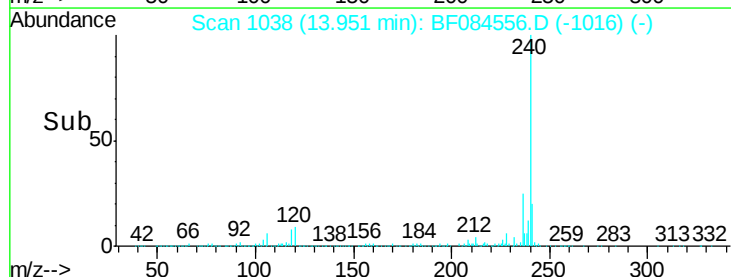
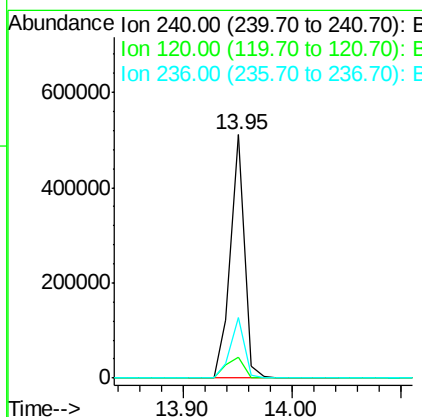
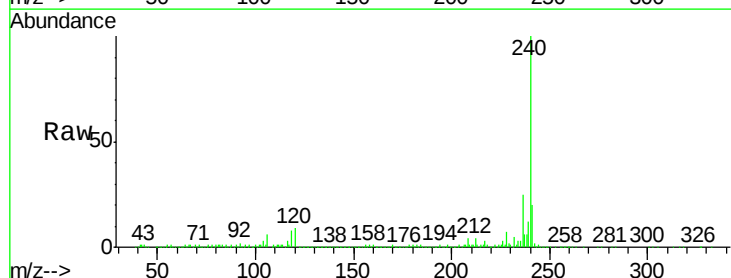
RT: 13.95 min Scan# 1038

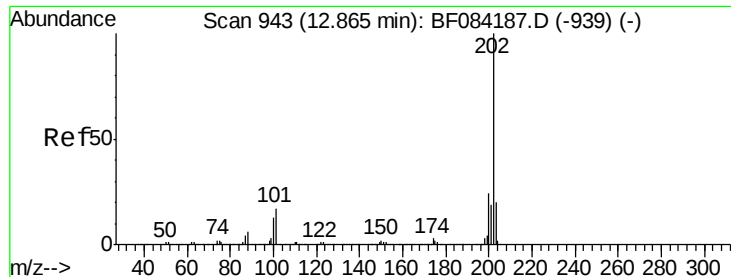
Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Tgt Ion:	240	Resp:	460488
Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.1	20.6	31.0





#77

Pyrene

Concen: 10.71 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

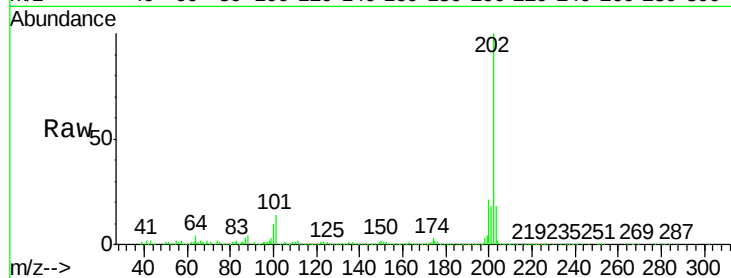
Tgt Ion:202 Resp: 386999

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

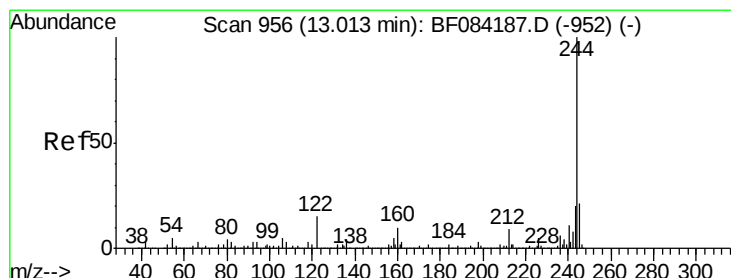
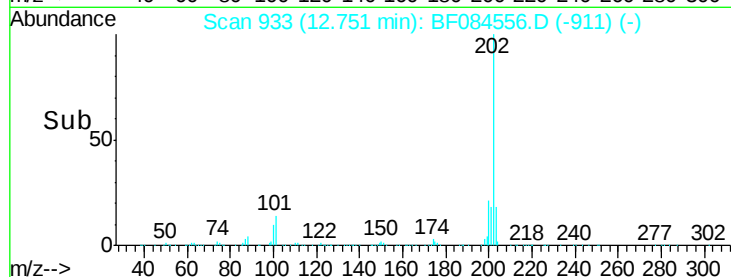
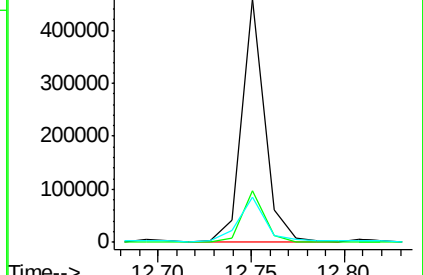
203 18.4 14.3 21.5



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



#78

Terphenyl-d14

Concen: 62.98 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

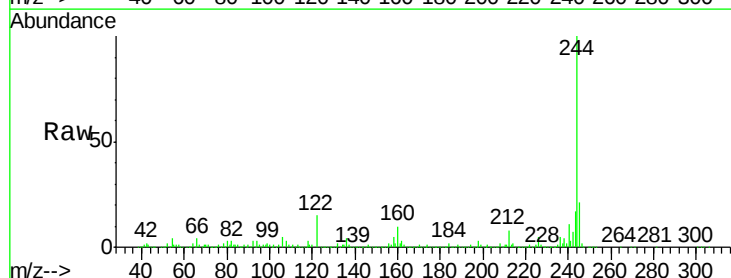
Tgt Ion:244 Resp: 1299205

Ion Ratio Lower Upper

244 100

212 8.0 5.7 8.5

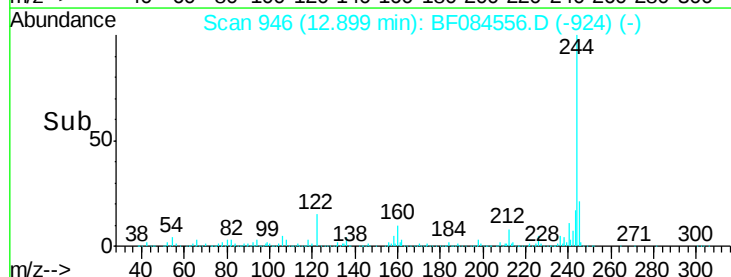
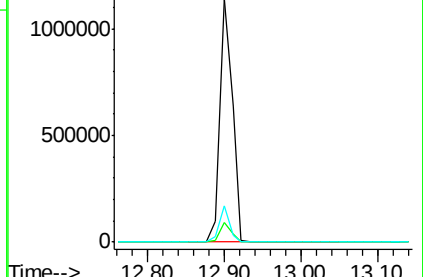
122 14.9 7.4 11.0#

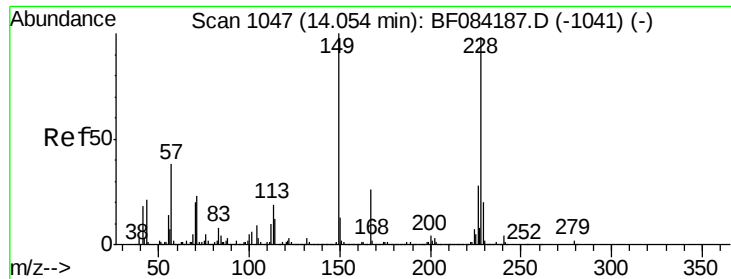


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 8.46 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

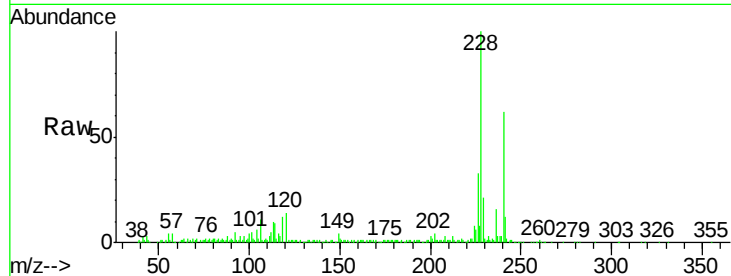
Tgt Ion:228 Resp: 228831

Ion Ratio Lower Upper

228 100

226 32.9 21.8 32.6#

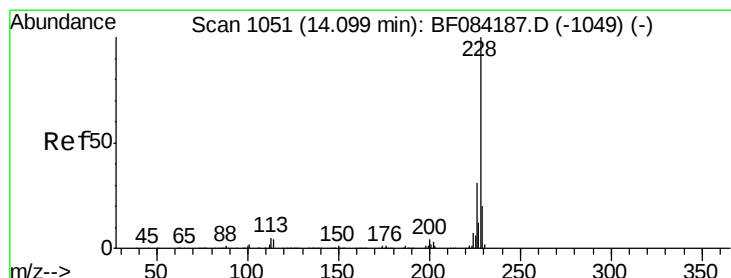
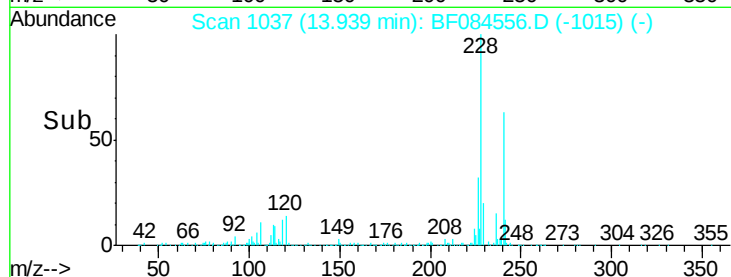
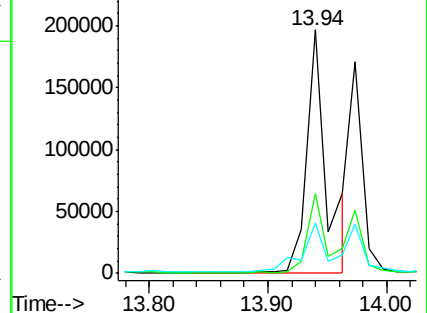
229 20.9 15.8 23.8



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



#82

Chrysene

Concen: 8.81 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.08 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

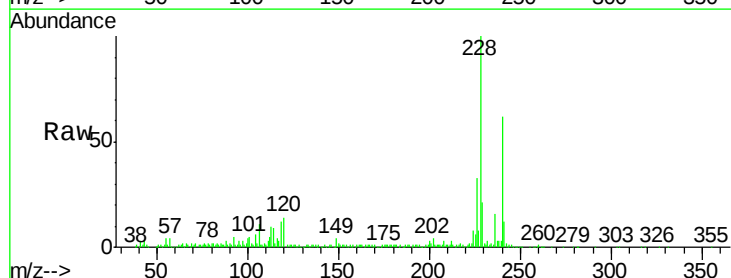
Tgt Ion:228 Resp: 228831

Ion Ratio Lower Upper

228 100

226 32.9 24.3 36.5

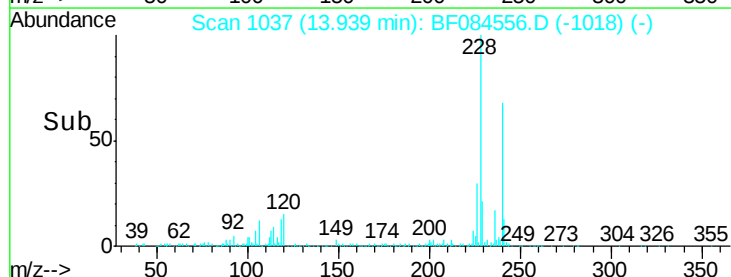
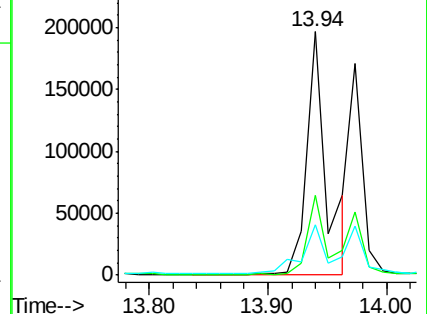
229 20.9 16.1 24.1

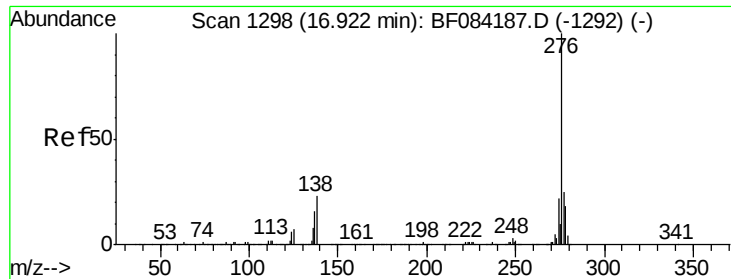


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

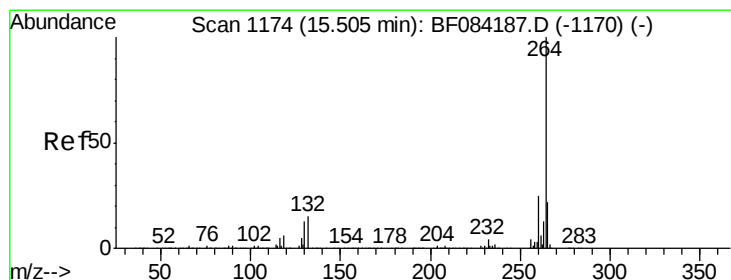
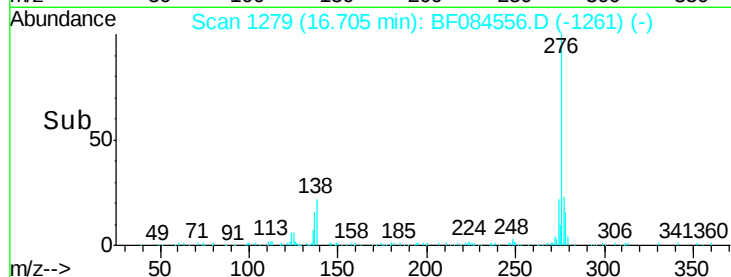
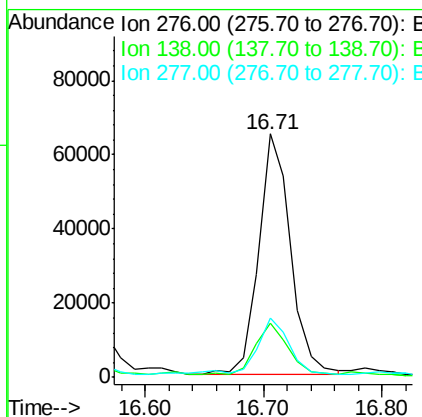
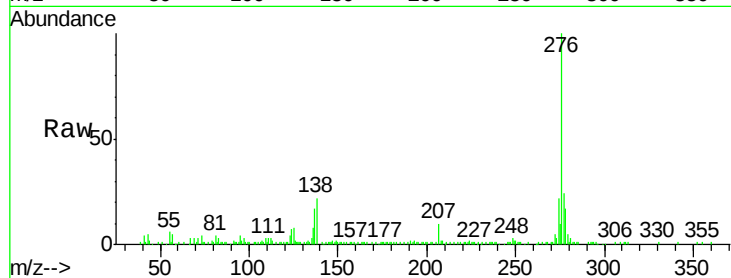




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.86 ng
 RT: 16.71 min Scan# 1279
 Delta R.T. -0.09 min
 Lab File: BF084556.D
 Acq: 19 Jan 2016 17:06

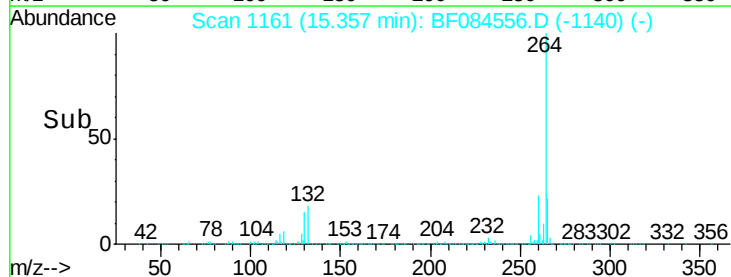
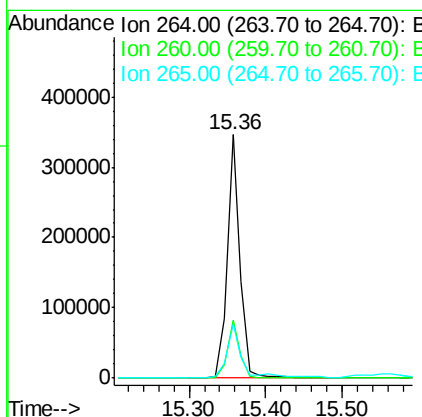
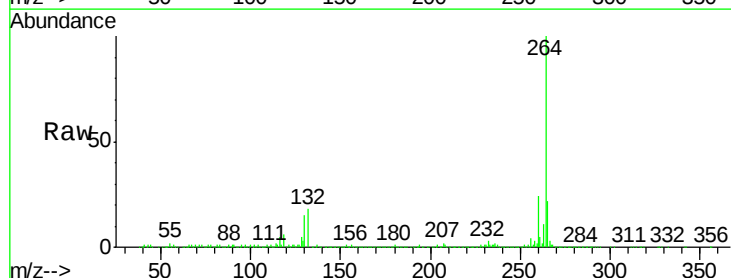
Instrument :
 BNA_F
 ClientSampleId :
 SP-003(0-2)

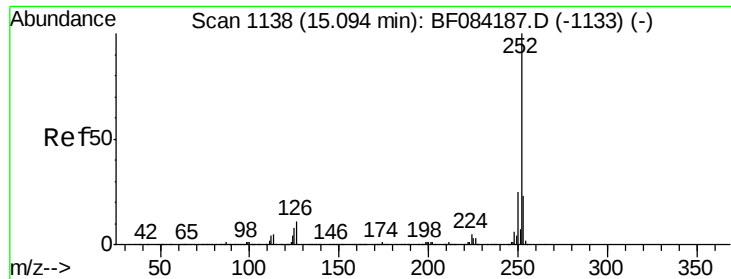
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.6	30.8
277	26.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1161
 Delta R.T. -0.06 min
 Lab File: BF084556.D
 Acq: 19 Jan 2016 17:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.2	17.8	26.6

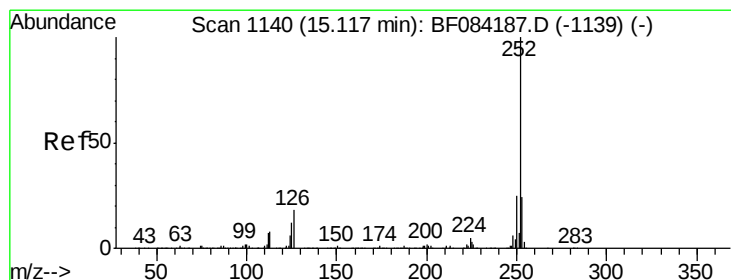
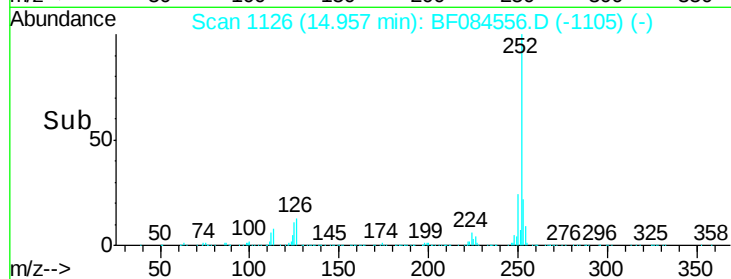
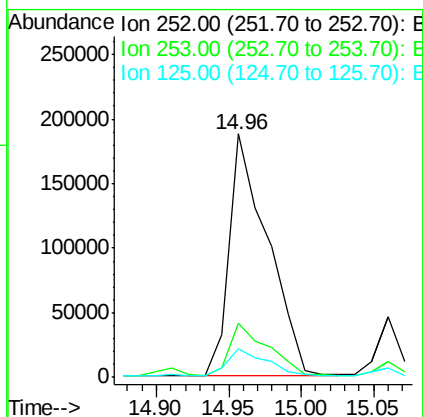
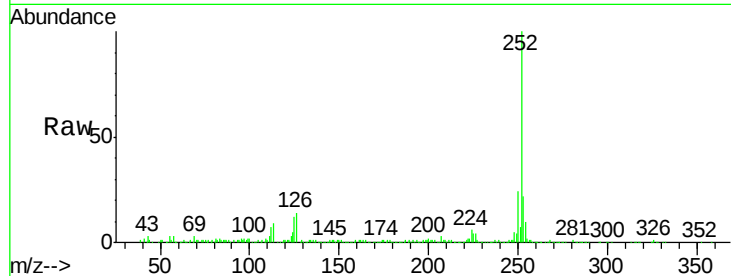




#87
Benzo(b)fluoranthene
Concen: 12.94 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

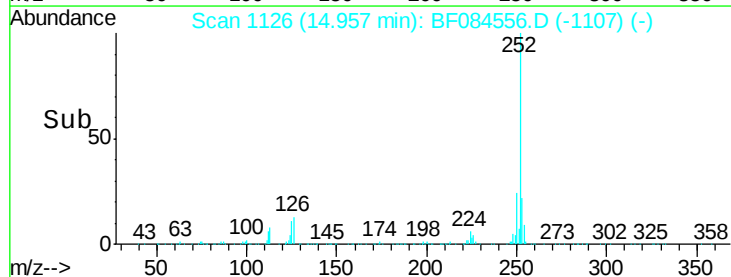
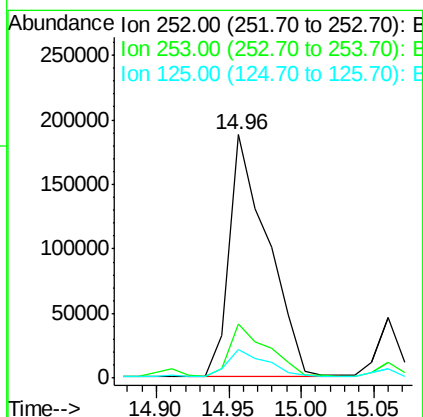
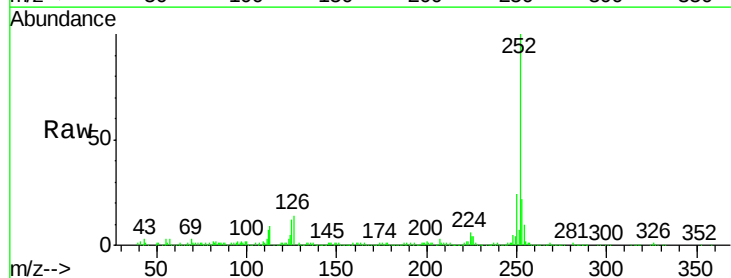
Instrument :
BNA_F
ClientSampleId :
SP-003(0-2)

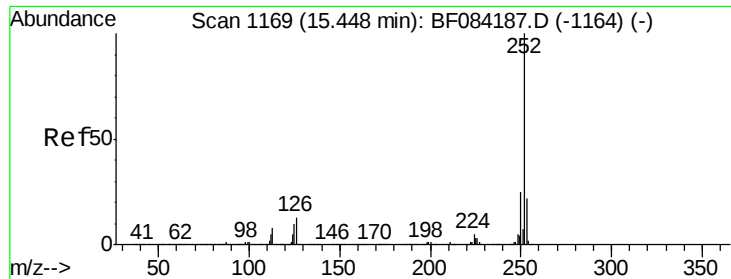
Tgt Ion:252 Resp: 345070
Ion Ratio Lower Upper
252 100
253 22.3 17.3 25.9
125 11.6 6.5 9.7#



#88
Benzo(k)fluoranthene
Concen: 15.82 ng
RT: 14.96 min Scan# 1126
Delta R.T. -0.08 min
Lab File: BF084556.D
Acq: 19 Jan 2016 17:06

Tgt Ion:252 Resp: 345070
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.6 9.0 13.6





#89

Benzo(a)pyrene

Concen: 7.00 ng

RT: 15.30 min Scan# 1156

Delta R.T. -0.06 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

Instrument :

BNA_F

ClientSampleId :

SP-003(0-2)

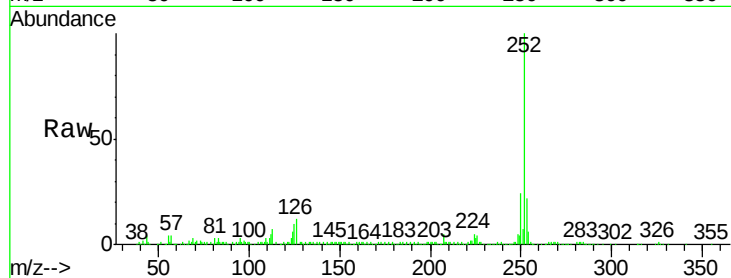
Tgt Ion: 252 Resp: 158323

Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

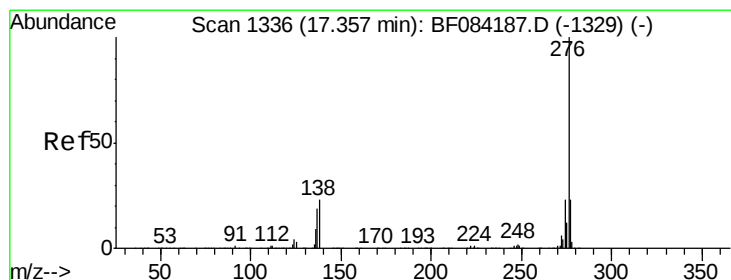
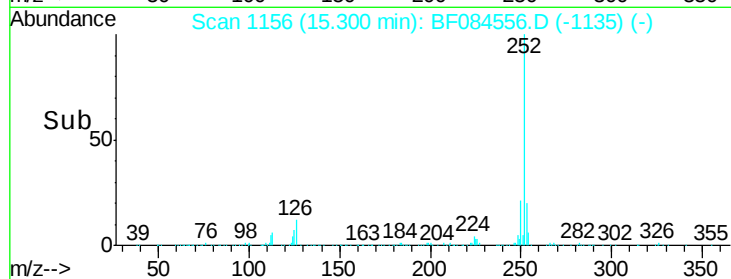
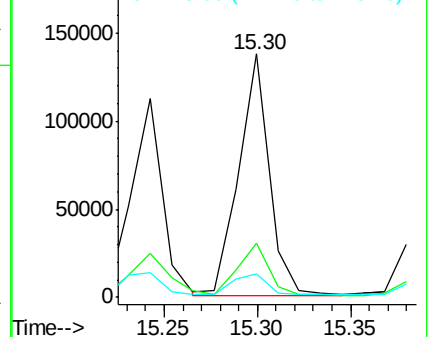
125 9.9 7.0 10.4



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



#91

Benzo(g,h,i)perylene

Concen: 5.66 ng

RT: 17.12 min Scan# 1315

Delta R.T. -0.10 min

Lab File: BF084556.D

Acq: 19 Jan 2016 17:06

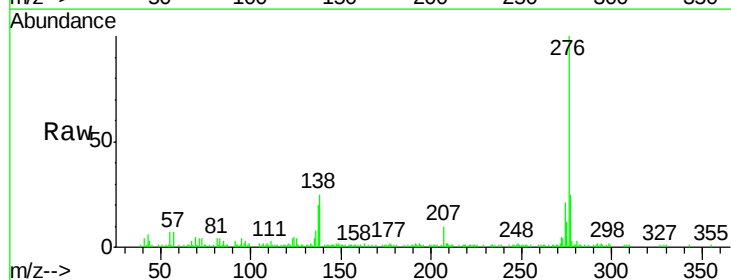
Tgt Ion: 276 Resp: 114118

Ion Ratio Lower Upper

276 100

277 25.4 18.8 28.2

138 24.6 17.8 26.6



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

