

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071516\
 Data File : BF089017.D
 Acq On : 15 Jul 2016 15:25
 Operator : UM/SJ
 Sample : H3972-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

Quant Time: Jul 15 22:57:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

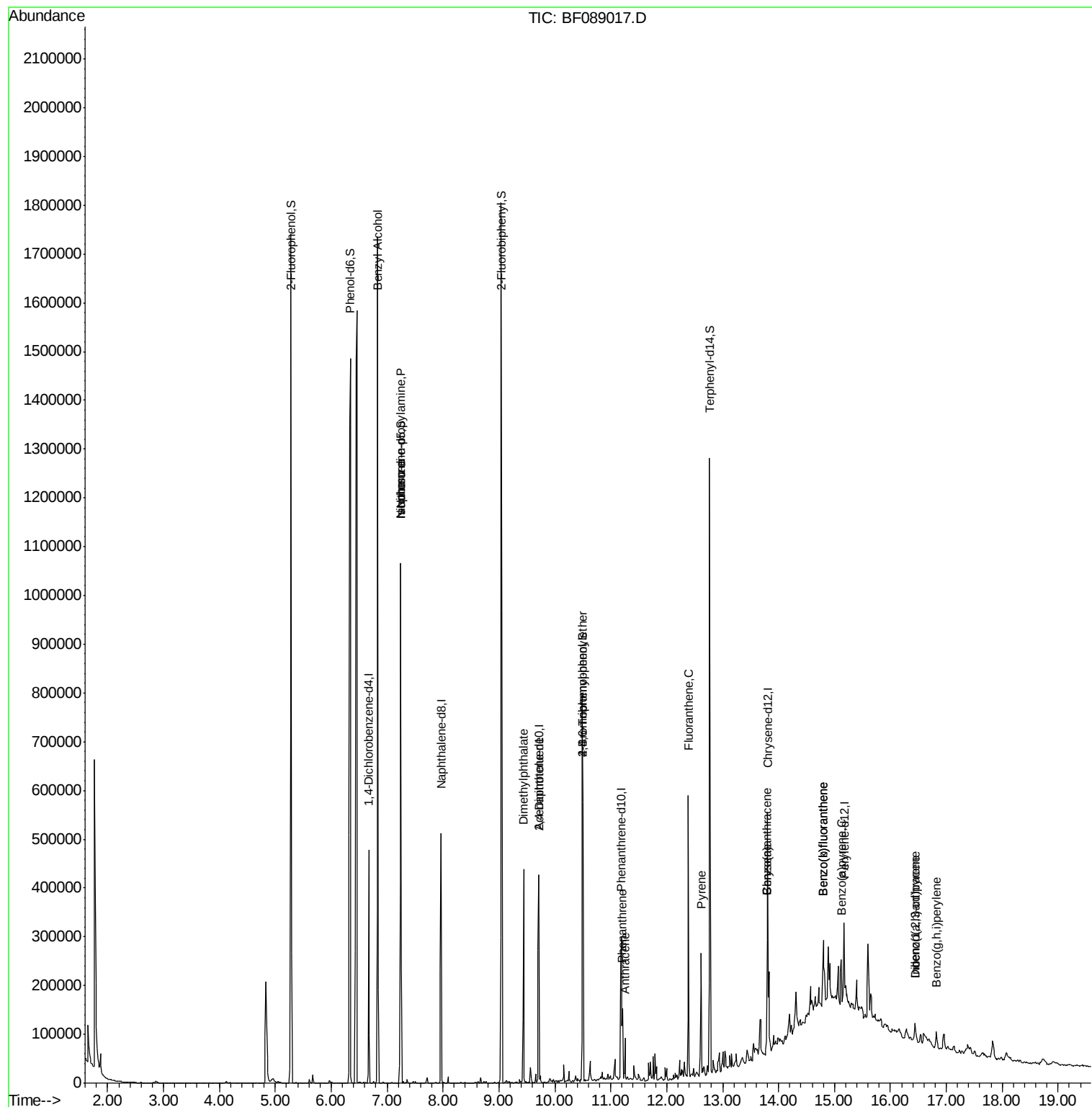
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	65762	20.00	ng	-0.03
21) Naphthalene-d8	7.96	136	257629	20.00	ng	-0.03
38) Acenaphthene-d10	9.71	164	99814	20.00	ng	-0.03
63) Phenanthrene-d10	11.19	188	150738	20.00	ng	-0.03
75) Chrysene-d12	13.81	240	114303	20.00	ng	-0.05
86) Perylene-d12	15.18	264	82470	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	538258	122.67	ng	-0.01
7) Phenol-d6	6.34	99	839871	148.13	ng	-0.01
23) Nitrobenzene-d5	7.24	82	420094	85.45	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	116436	125.62	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	723616	114.51	ng	-0.03
78) Terphenyl-d14	12.77	244	412056	80.29	ng	-0.03
Target Compounds						Qvalue
15) Benzyl Alcohol	6.83	79	8876	2.13	ng	# 48
19) n-Nitroso-di-n-propylamine	7.24	70	56834	14.92	ng	# 75
25) Isophorone	7.24	82	311842	34.24	ng	# 65
49) Dimethylphthalate	9.44	163	177265	24.93	ng	99
56) 2,4-Dinitrotoluene	9.71	165	13083	6.35	ng	# 36
66) 4-Bromophenyl-phenylether	10.50	248	8877	5.84	ng	# 1
70) Phenanthrene	11.21	178	72628	8.81	ng	97
71) Anthracene	11.26	178	25812	3.15	ng	99
74) Fluoranthene	12.39	202	130804	15.66	ng	97
77) Pyrene	12.62	202	126827	13.09	ng	97
80) Benzo(a)anthracene	13.79	228	69708	9.47	ng	92
82) Chrysene	13.79	228	69708	9.57	ng	97
85) Indeno(1,2,3-cd)pyrene	16.45	276	22219	3.97	ng	# 100
87) Benzo(b)fluoranthene	14.80	252	81456	15.75	ng	# 92
88) Benzo(k)fluoranthene	14.80	252	81456	18.09	ng	97
89) Benzo(a)pyrene	15.12	252	42483	9.70	ng	98
90) Dibenzo(a,h)anthracene	16.45	278	9652	2.64	ng	# 82
91) Benzo(g,h,i)perylene	16.82	276	23209	6.13	ng	98

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.67 min Scan# 445

Delta R.T. -0.03 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

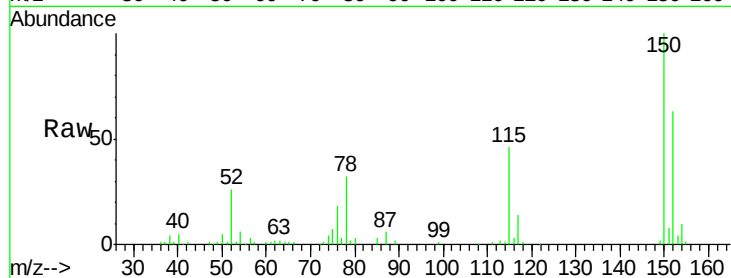
Tgt Ion:152 Resp: 65762

Ion Ratio Lower Upper

152 100

150 159.7 123.8 185.6

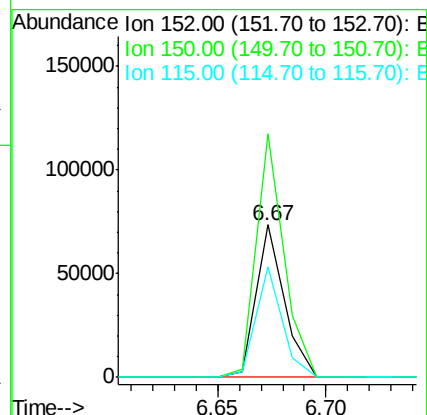
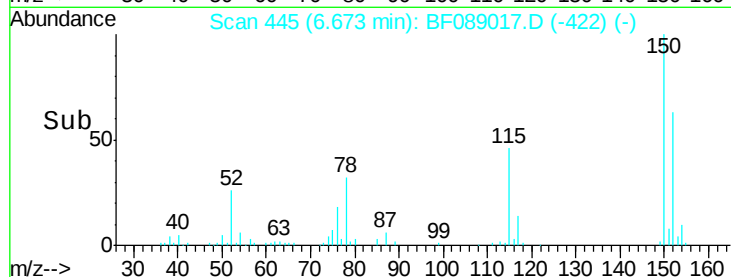
115 72.9 39.6 59.4#



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: 122.67 ng

RT: 5.28 min Scan# 323

Delta R.T. -0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

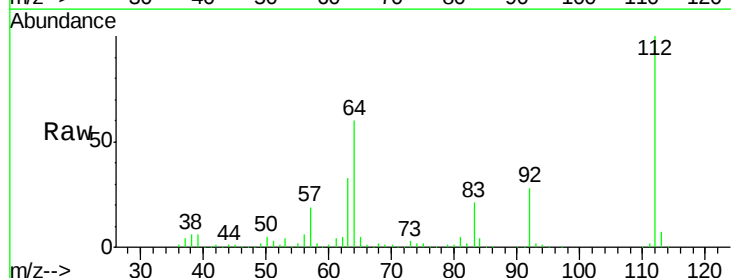
Tgt Ion:112 Resp: 538258

Ion Ratio Lower Upper

112 100

64 60.3 42.2 63.2

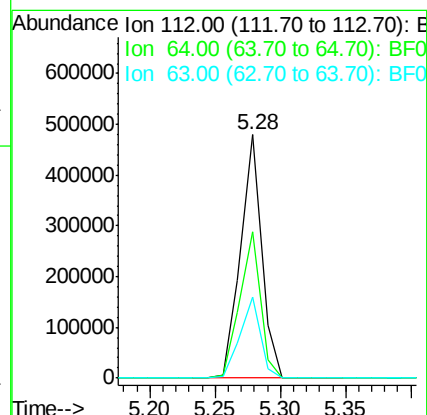
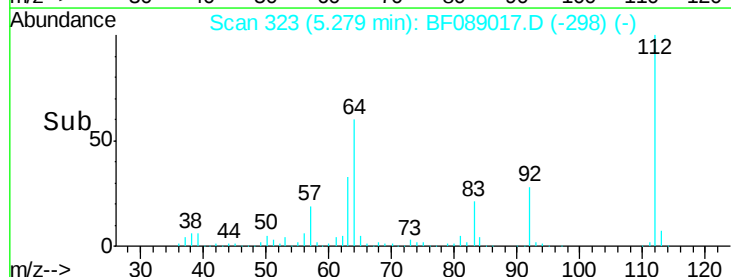
63 33.2 21.8 32.8#

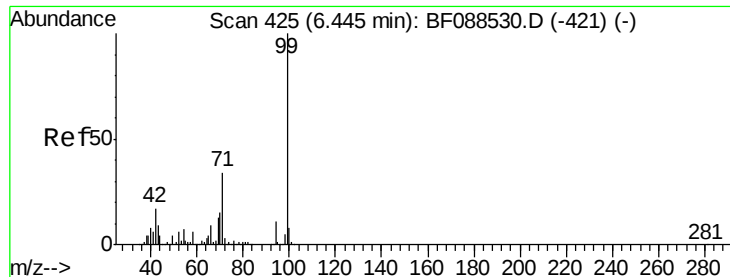


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 148.13 ng

RT: 6.34 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

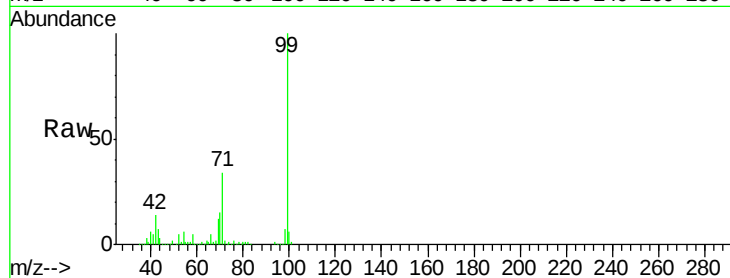
Tgt Ion: 99 Resp: 839871

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.2

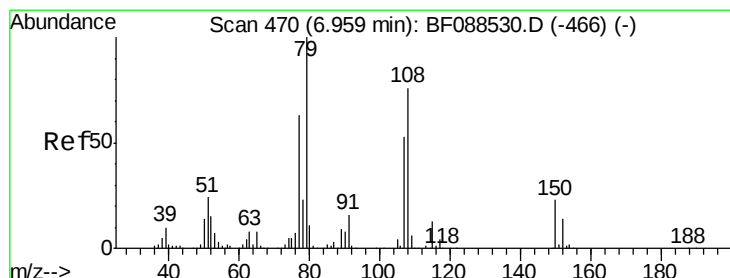
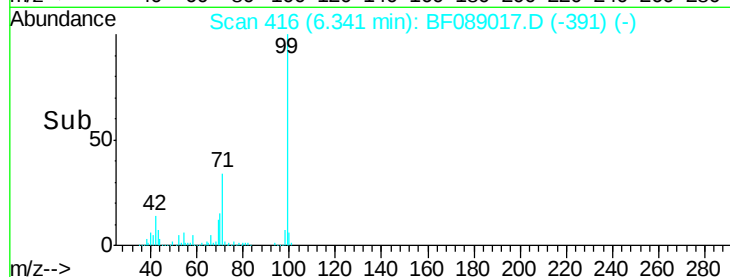
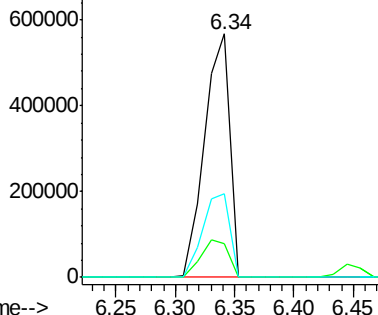
71 34.5 23.4 35.0



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



#15

Benzyl Alcohol

Concen: 2.13 ng

RT: 6.83 min Scan# 459

Delta R.T. -0.02 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

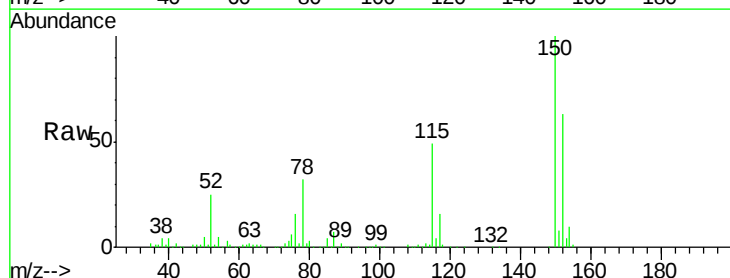
Tgt Ion: 79 Resp: 8876

Ion Ratio Lower Upper

79 100

108 30.3 65.0 97.6#

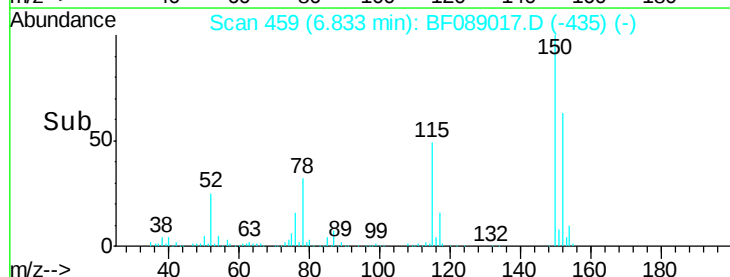
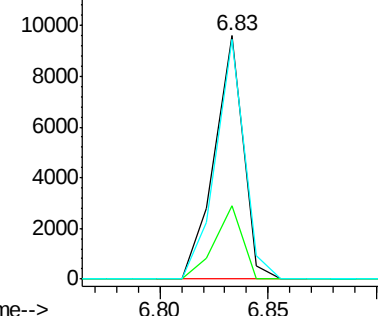
77 98.3 50.3 75.5#

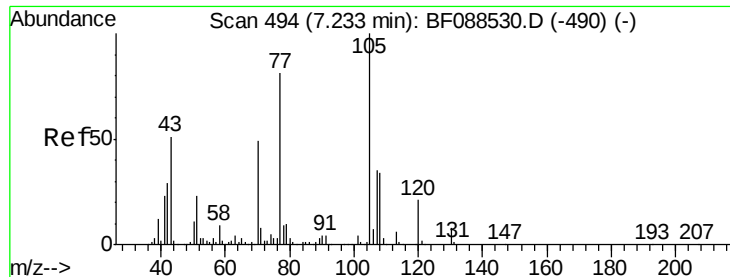


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

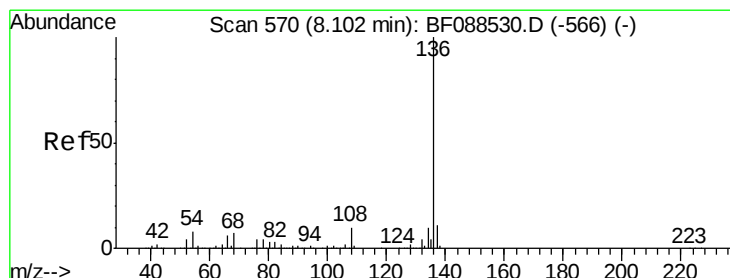
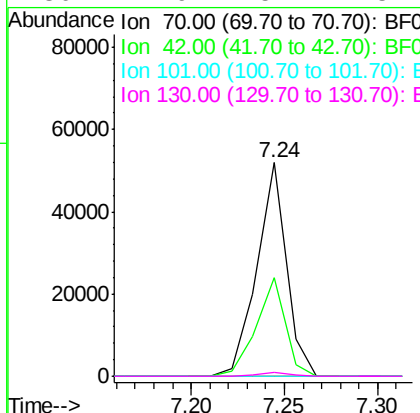
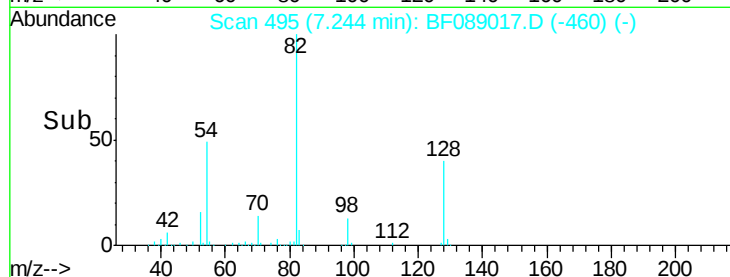
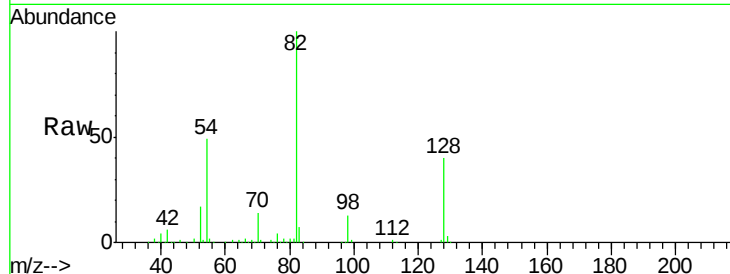




#19
n-Nitroso-di-n-propylamine
Concen: 14.92 ng
RT: 7.24 min Scan# 495
Delta R.T. 0.10 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

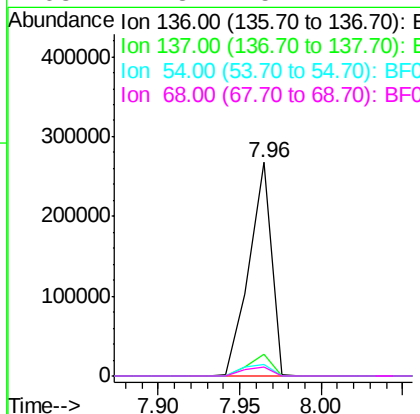
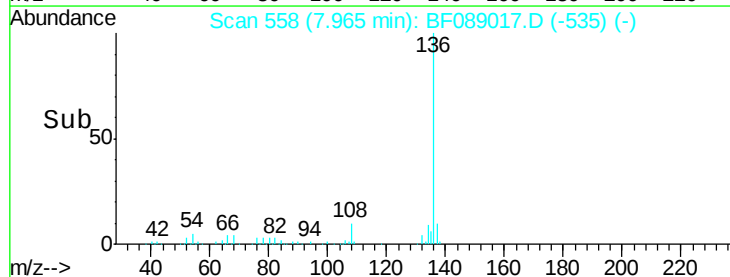
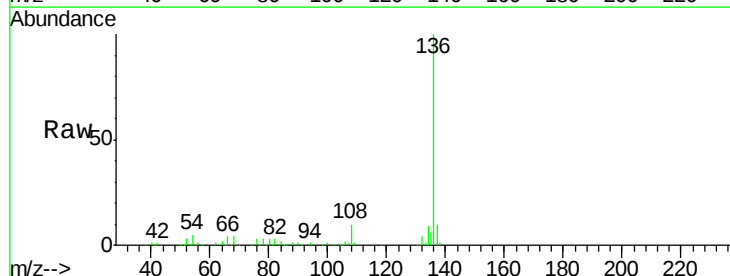
Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

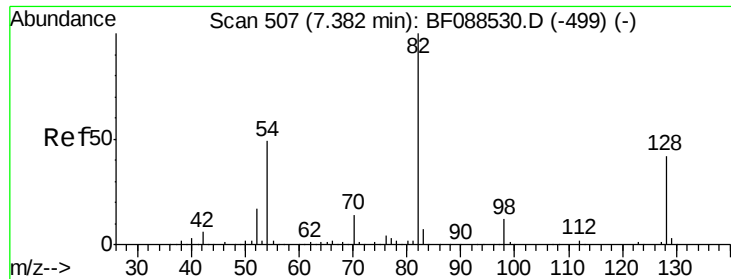
Tgt Ion: 70 Resp: 56834
Ion Ratio Lower Upper
70 100
42 46.0 49.6 74.4#
101 0.0 7.1 10.7#
130 1.9 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.03 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Tgt Ion: 136 Resp: 257629
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 5.4 6.6 10.0#
68 4.3 5.1 7.7#

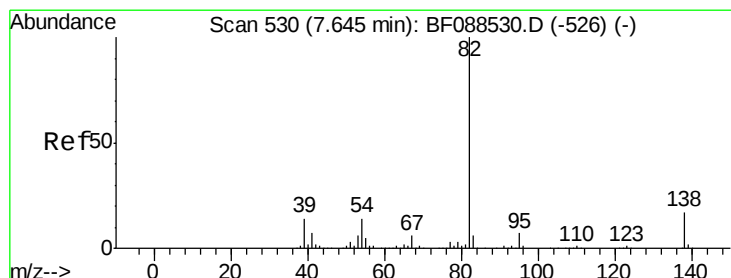
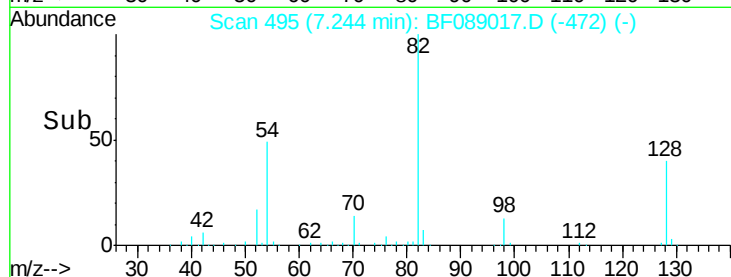
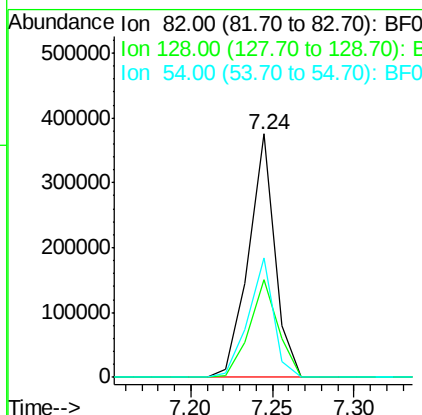
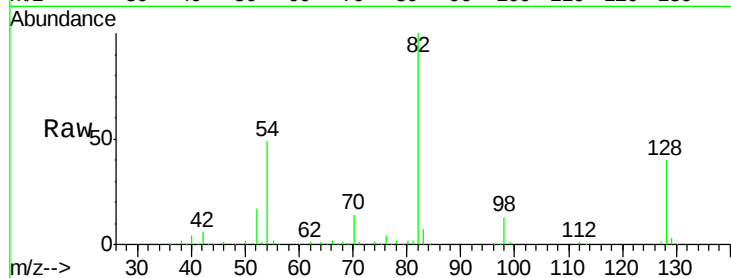




#23
 Nitrobenzene-d5
 Concen: 85.45 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

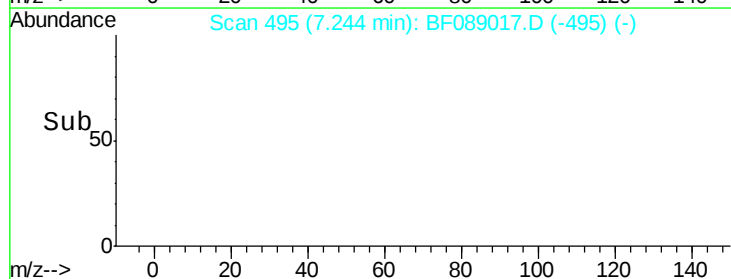
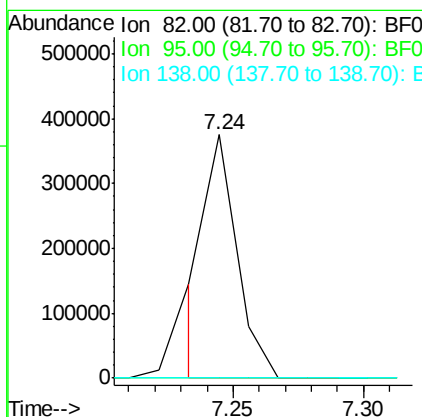
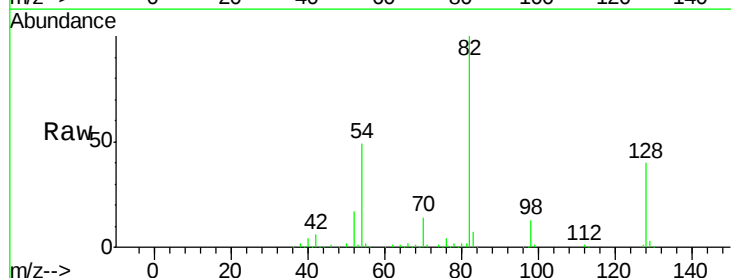
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

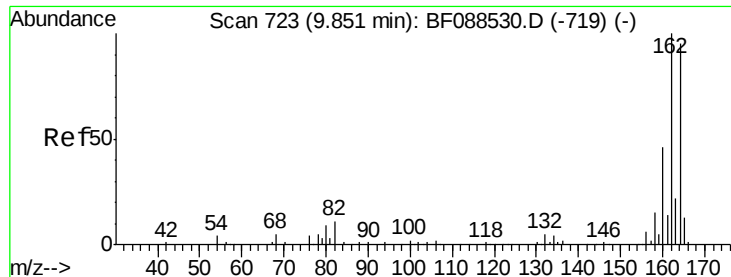
Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.1	35.9	53.9
54	48.8	40.9	61.3



#25
 Isophorone
 Concen: 34.24 ng
 RT: 7.24 min Scan# 495
 Delta R.T. -0.30 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.71 min Scan# 711

Delta R.T. -0.03 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

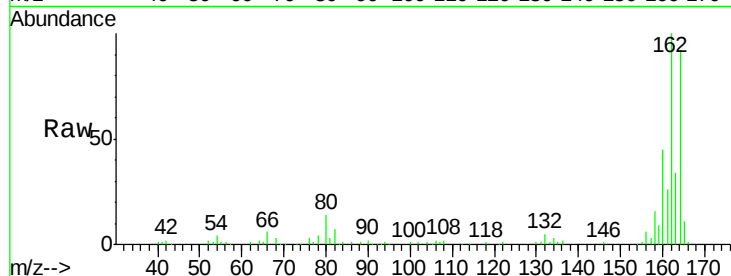
Tgt Ion:164 Resp: 99814

Ion Ratio Lower Upper

164 100

162 108.6 85.4 128.2

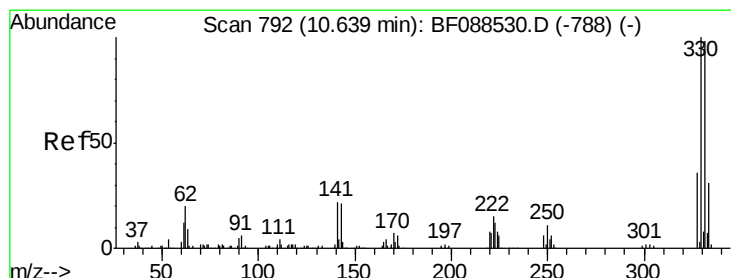
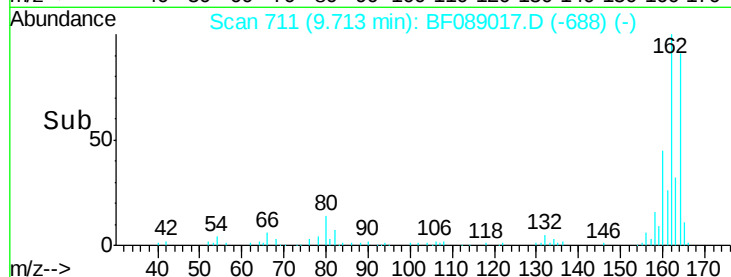
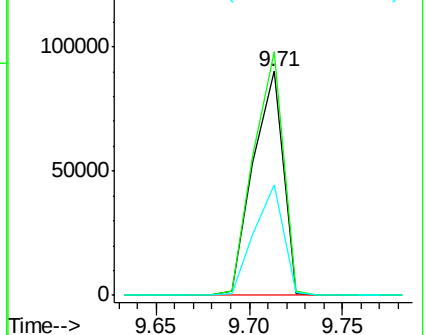
160 49.3 39.5 59.3



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: 125.62 ng

RT: 10.50 min Scan# 780

Delta R.T. -0.03 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

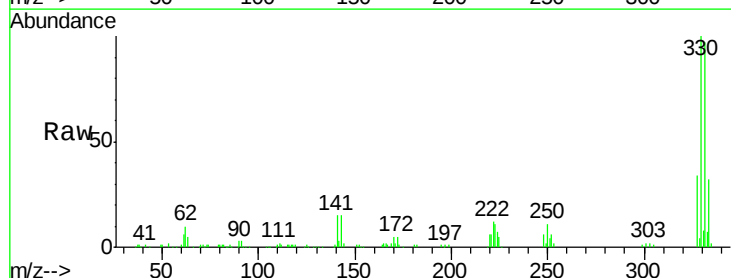
Tgt Ion:330 Resp: 116436

Ion Ratio Lower Upper

330 100

332 97.5 0.0 0.0#

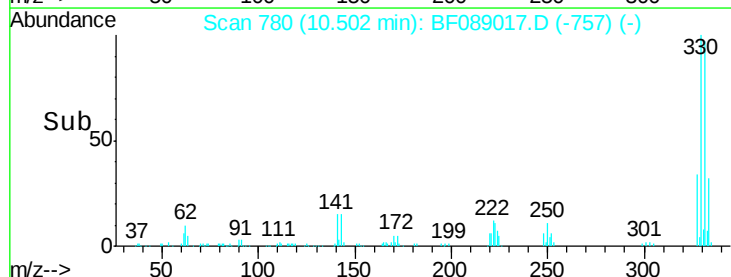
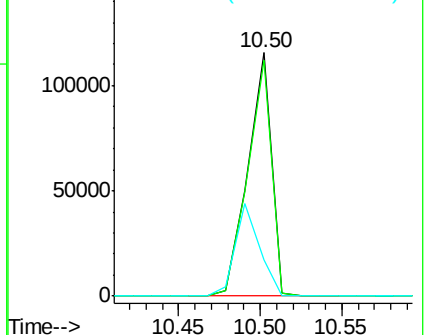
141 38.8 0.0 0.0#

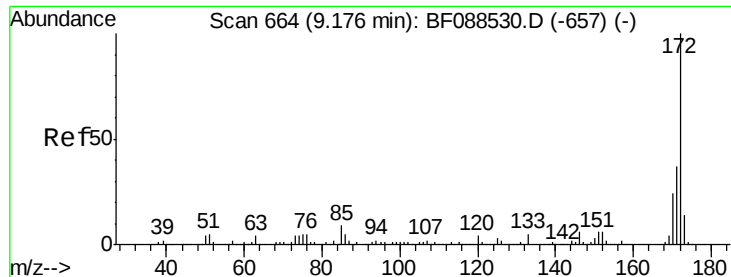


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

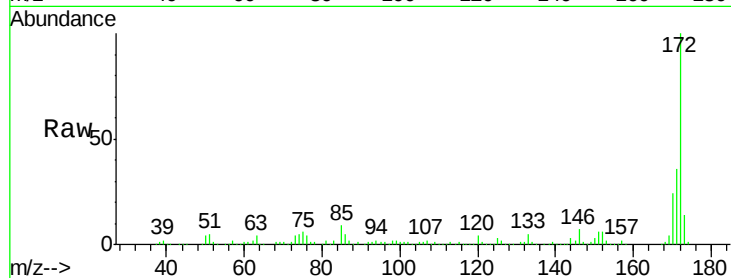




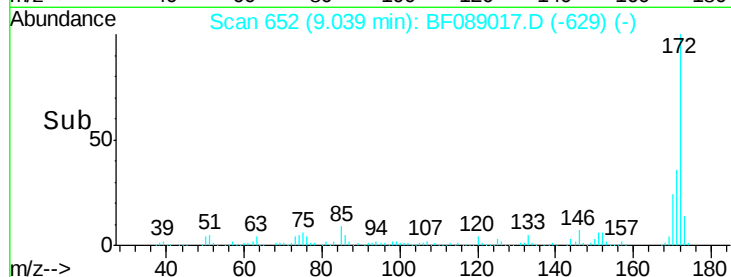
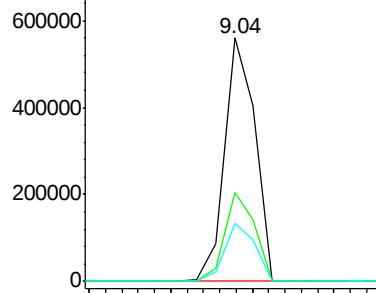
#44
 2-Fluorobiphenyl
 Concen: 114.51 ng
 RT: 9.04 min Scan# 652
 Delta R.T. -0.03 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Instrument :
 BNA_F
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 LSS-SB-SB10(0-2ft)

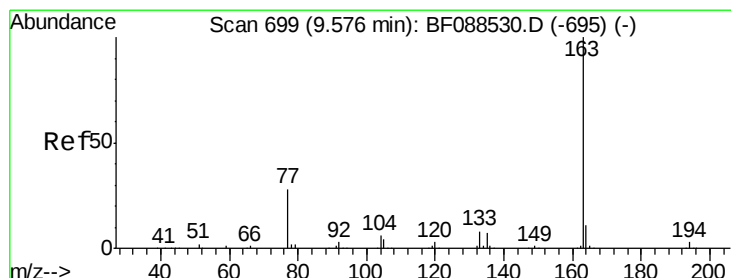
Tgt Ion:172 Resp: 723616
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.6 43.0
 170 23.7 19.2 28.8



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

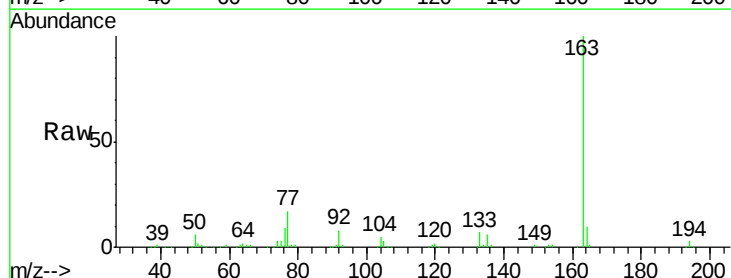


Time-->

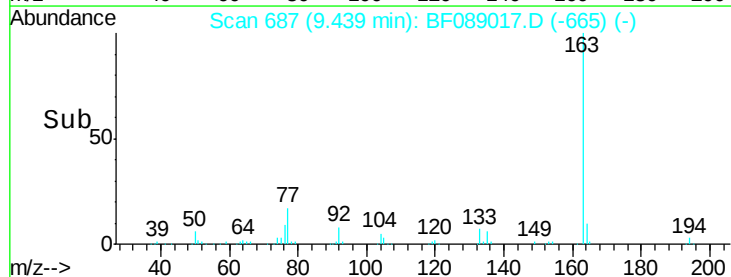
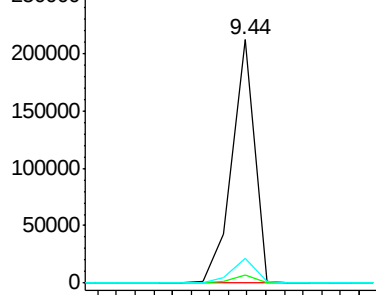


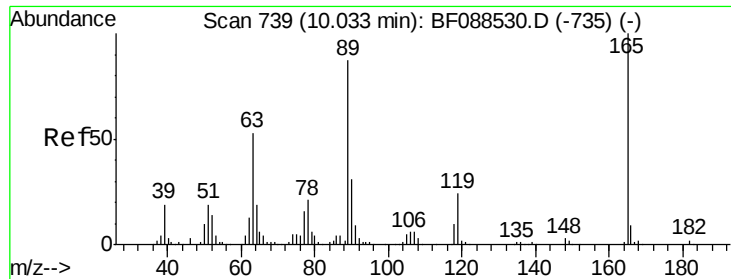
#49
 Dimethylphthalate
 Concen: 24.93 ng
 RT: 9.44 min Scan# 687
 Delta R.T. -0.05 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion:163 Resp: 177265
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.8 4.2
 164 9.9 8.3 12.5



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

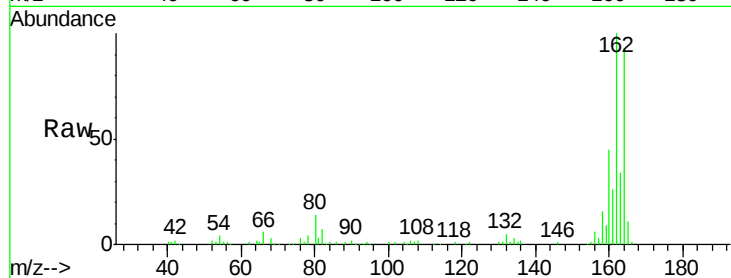




#56
2,4-Dinitrotoluene
Concen: 6.35 ng
RT: 9.71 min Scan# 711
Delta R.T. -0.23 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

Tgt Ion:	165	Resp:	13083
Ion Ratio	Lower	Upper	
165	100		
63	0.0	22.0	33.0#
89	0.0	41.1	61.7#
182	0.0	2.0	3.0#

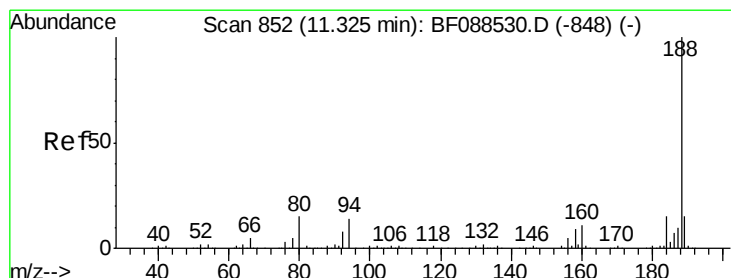
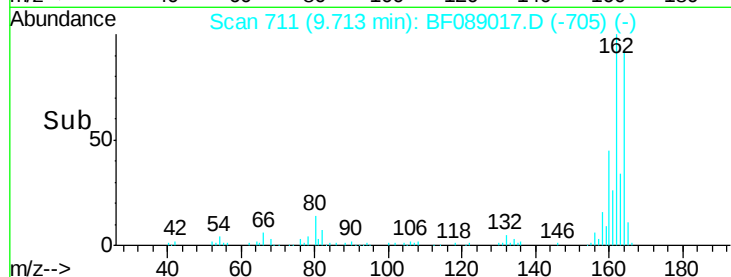
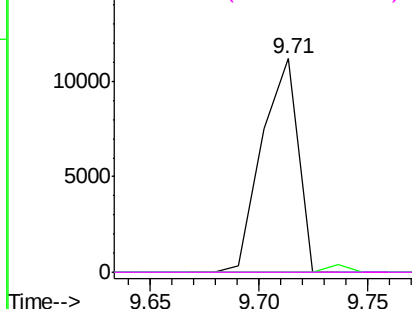


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

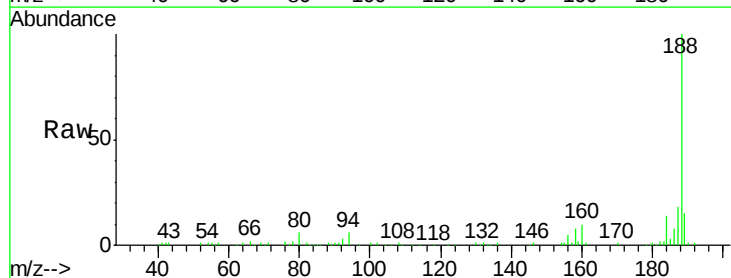
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.03 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

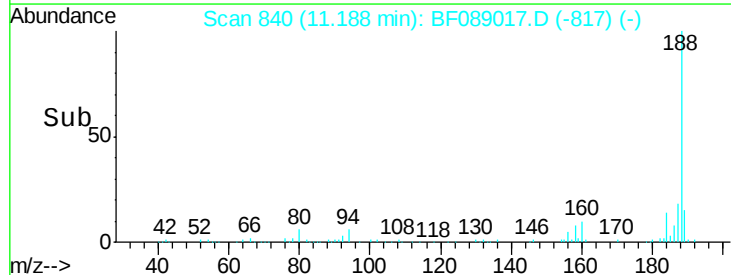
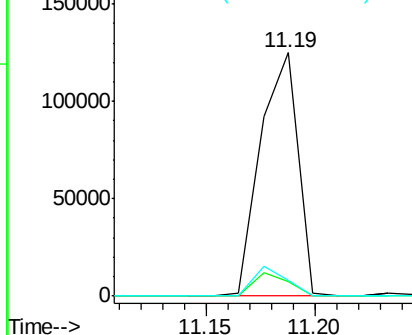
Tgt Ion:	188	Resp:	150738
Ion Ratio	Lower	Upper	
188	100		
94	6.0	9.0	13.6#
80	6.3	10.0	15.0#

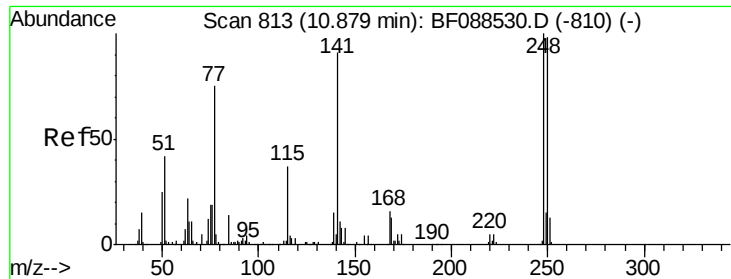


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

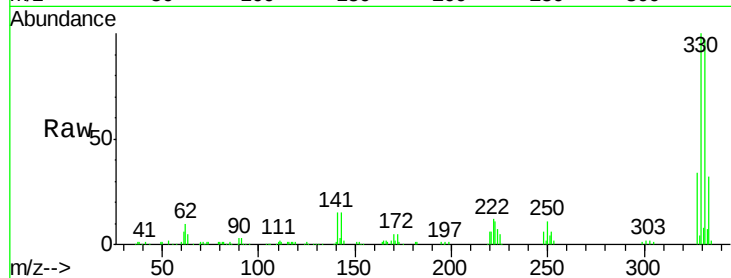




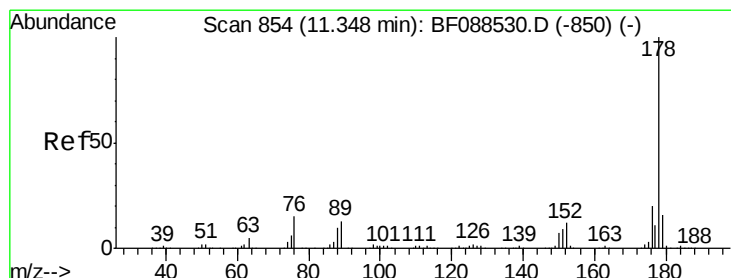
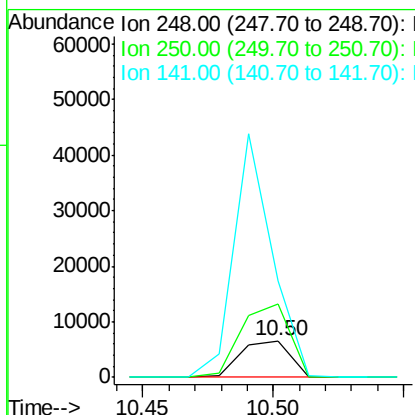
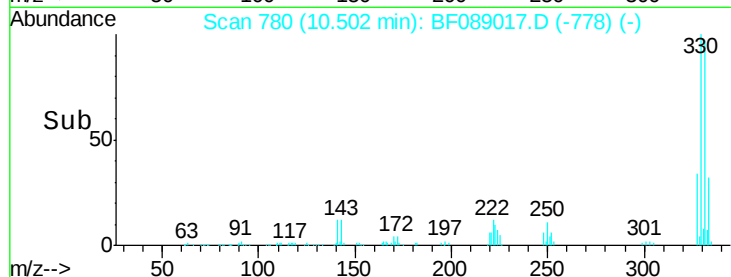
#66
4-Bromophenyl-phenylether
Concen: 5.84 ng
RT: 10.50 min Scan# 780
Delta R.T. -0.27 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB10(0-2ft)

Tgt Ion:248 Resp: 8877
Ion Ratio Lower Upper
248 100
250 198.6 77.1 115.7#
141 262.2 50.6 76.0#

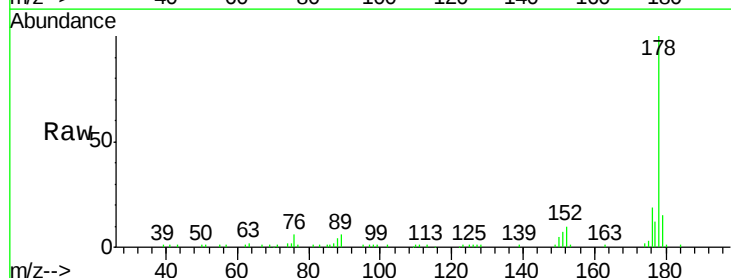


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

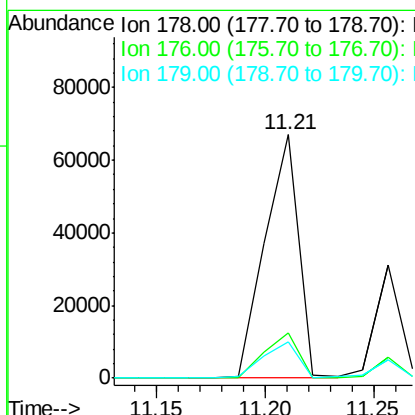
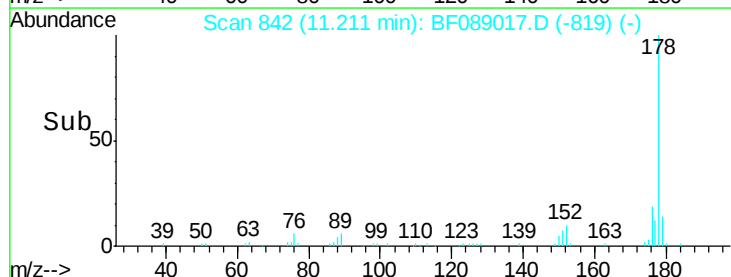


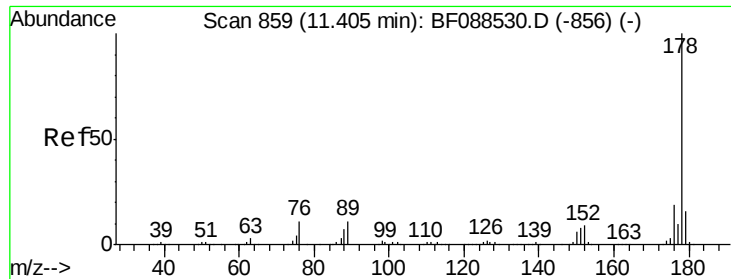
#70
Phenanthrene
Concen: 8.81 ng
RT: 11.21 min Scan# 842
Delta R.T. -0.03 min
Lab File: BF089017.D
Acq: 15 Jul 2016 15:25

Tgt Ion:178 Resp: 72628
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.7 13.0 19.4



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

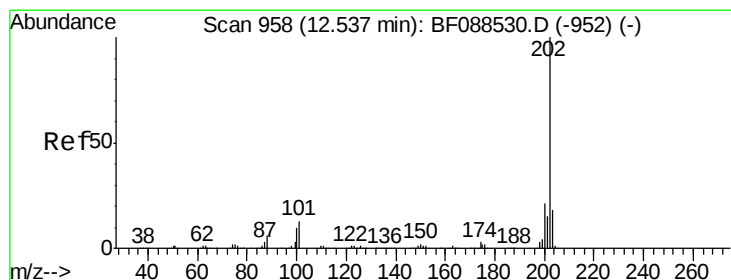
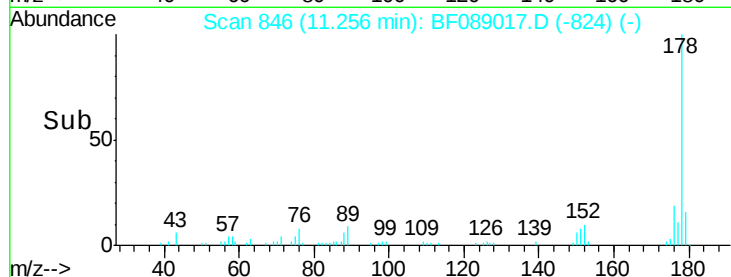
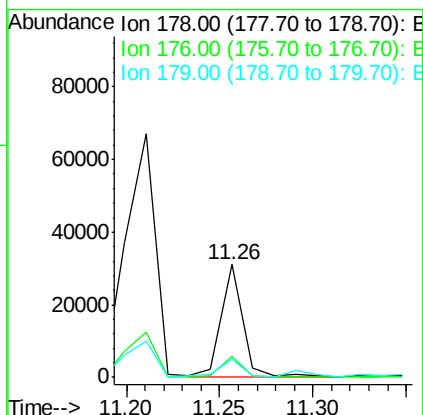
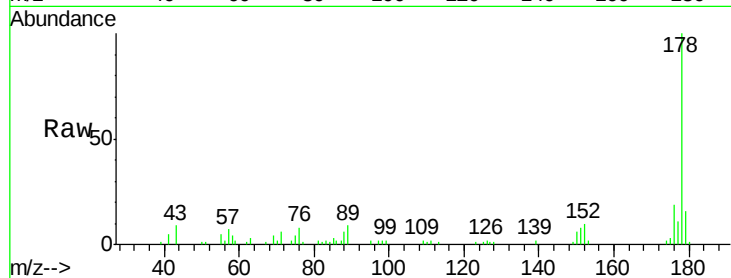




#71
 Anthracene
 Concen: 3.15 ng
 RT: 11.26 min Scan# 846
 Delta R.T. -0.05 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

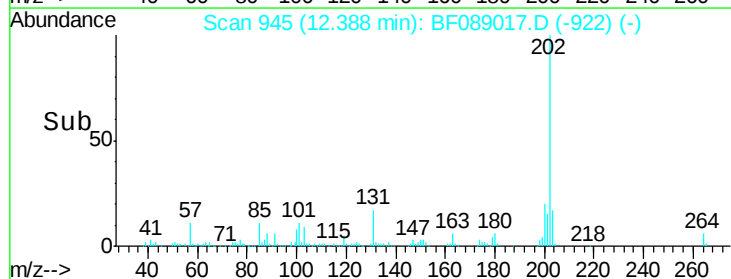
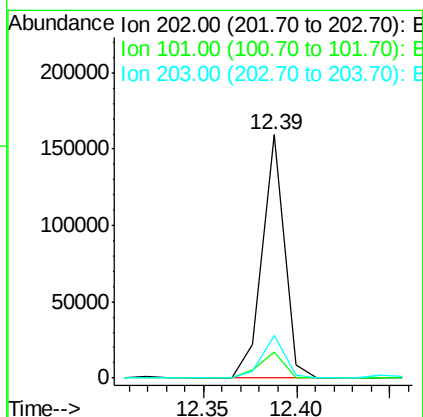
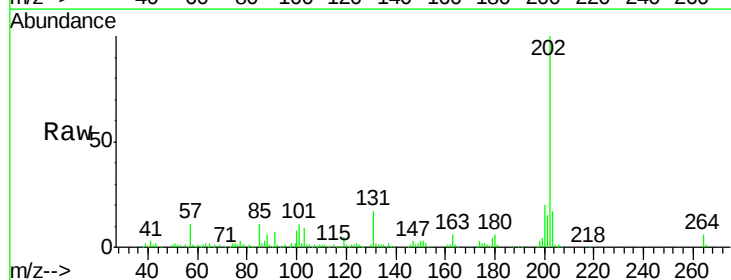
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

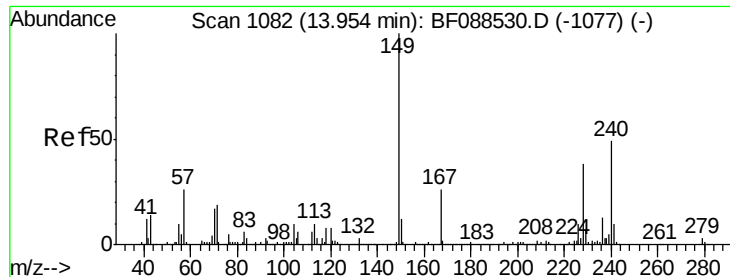
Tgt Ion:178 Resp: 25812
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.6 23.4
 179 16.3 12.8 19.2



#74
 Fluoranthene
 Concen: 15.66 ng
 RT: 12.39 min Scan# 945
 Delta R.T. -0.03 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion:202 Resp: 130804
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 33.1
 203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.81 min Scan# 1069

Delta R.T. -0.05 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

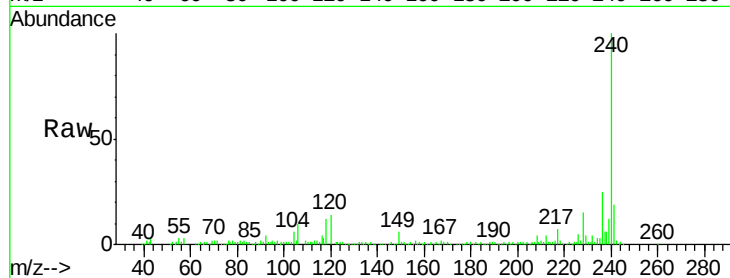
Tgt Ion:240 Resp: 114303

Ion Ratio Lower Upper

240 100

120 13.7 6.8 10.2#

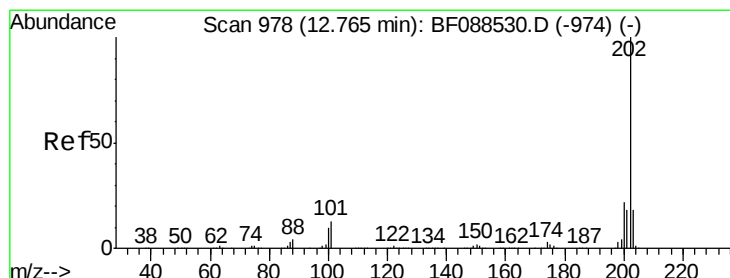
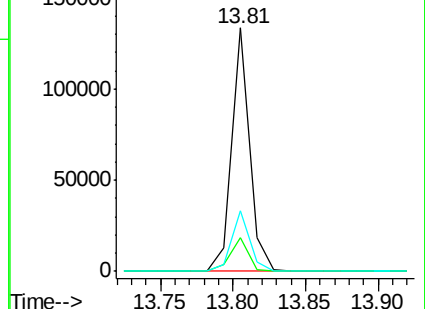
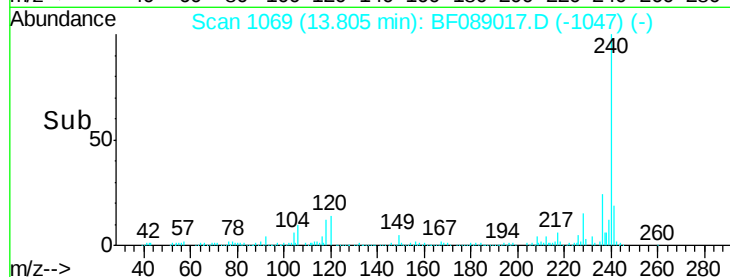
236 24.8 20.2 30.2



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



#77

Pyrene

Concen: 13.09 ng

RT: 12.62 min Scan# 965

Delta R.T. -0.03 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

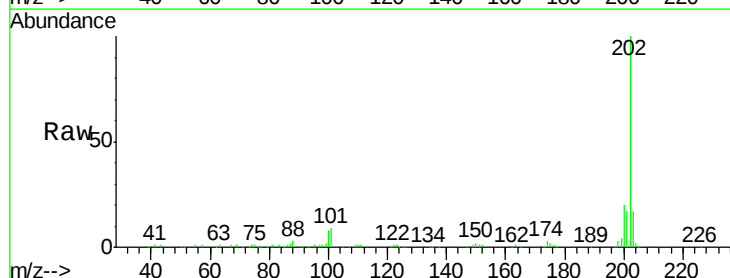
Tgt Ion:202 Resp: 126827

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

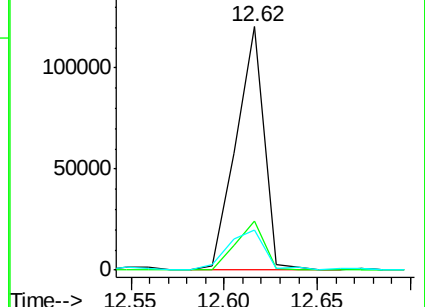
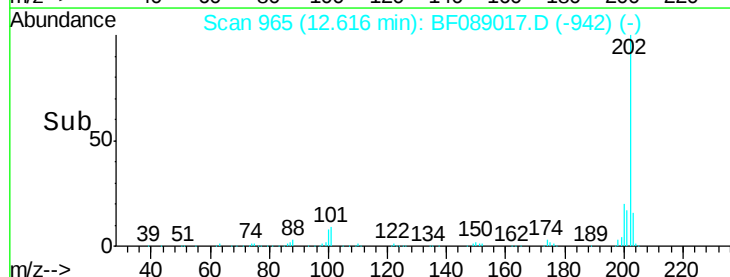
203 16.6 14.5 21.7

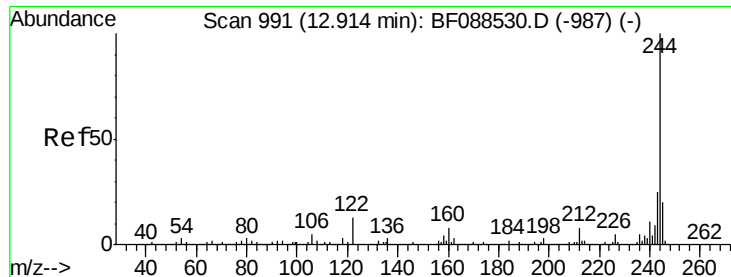


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

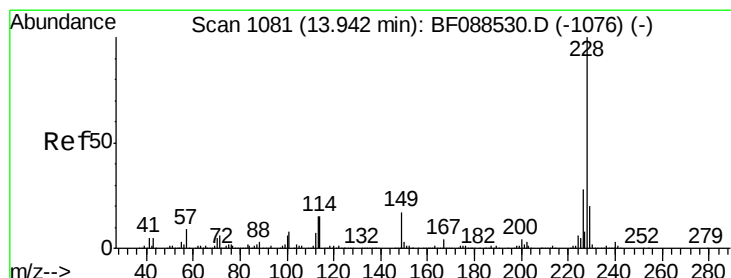
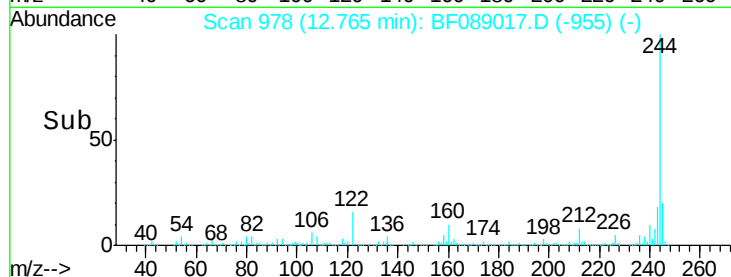
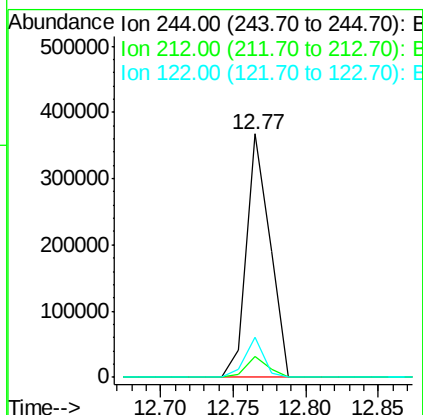
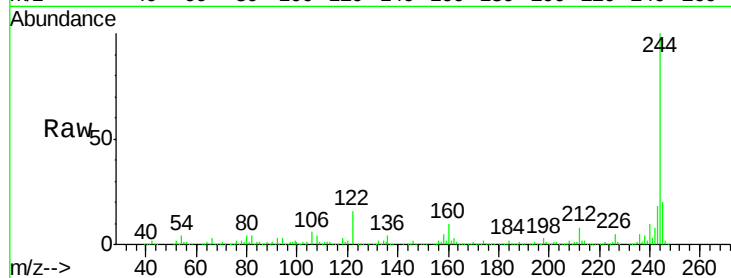




#78
 Terphenyl-d14
 Concen: 80.29 ng
 RT: 12.77 min Scan# 978
 Delta R.T. -0.03 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

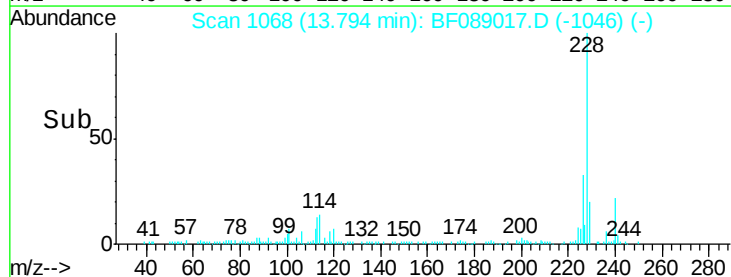
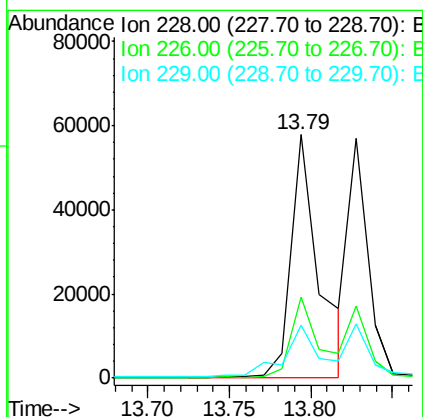
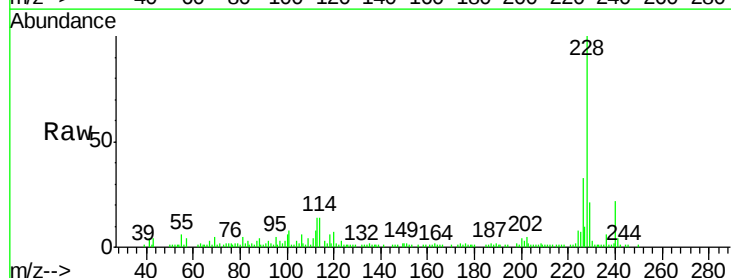
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SB-SB10(0-2ft)

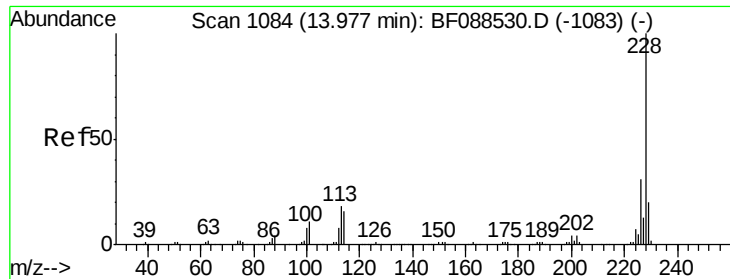
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.0	9.0
122	16.2	11.2	16.8



#80
 Benzo(a)anthracene
 Concen: 9.47 ng
 RT: 13.79 min Scan# 1068
 Delta R.T. -0.05 min
 Lab File: BF089017.D
 Acq: 15 Jul 2016 15:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.3	33.5
229	21.5	16.0	24.0





#82

Chrysene

Concen: 9.57 ng

RT: 13.79 min Scan# 1068

Delta R.T. -0.08 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

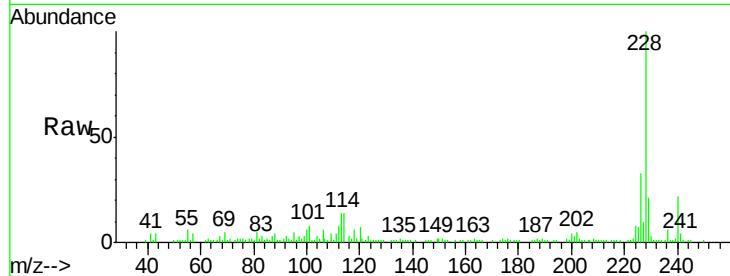
Tgt Ion:228 Resp: 69708

Ion Ratio Lower Upper

228 100

226 33.4 25.4 38.2

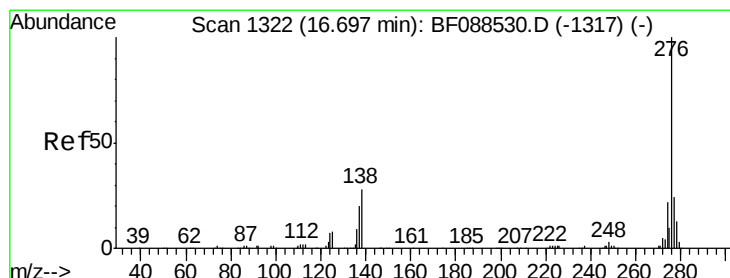
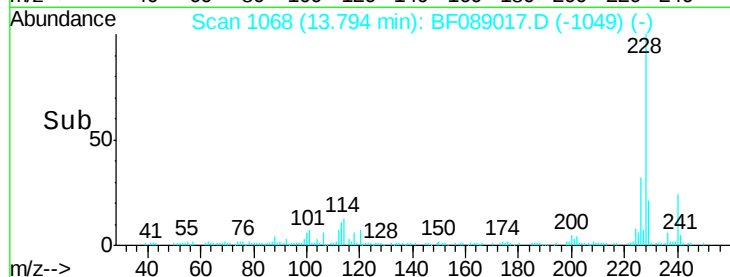
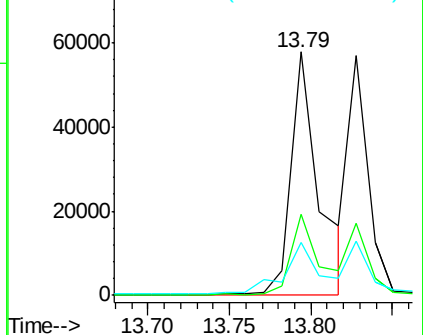
229 21.5 16.3 24.5



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.97 ng

RT: 16.45 min Scan# 1300

Delta R.T. -0.06 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

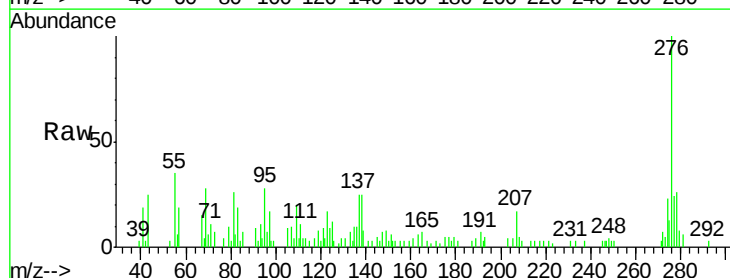
Tgt Ion:276 Resp: 22219

Ion Ratio Lower Upper

276 100

138 25.3 0.0 0.0#

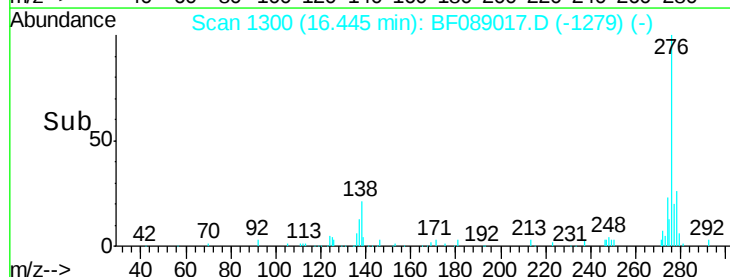
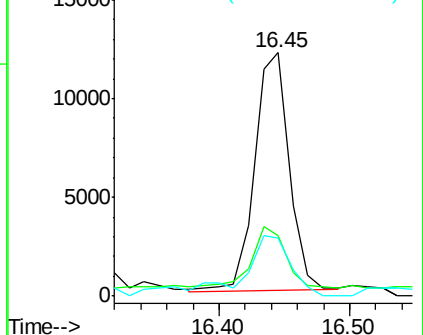
277 38.0 0.0 0.0#

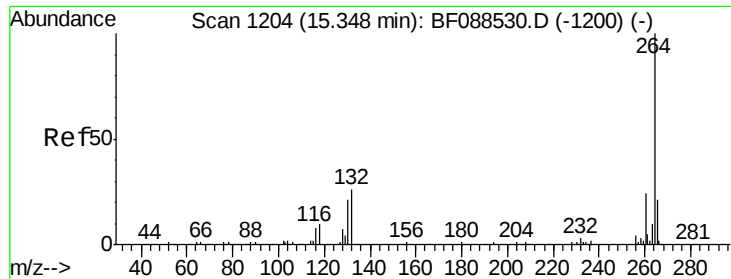


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1189

Delta R.T. -0.03 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

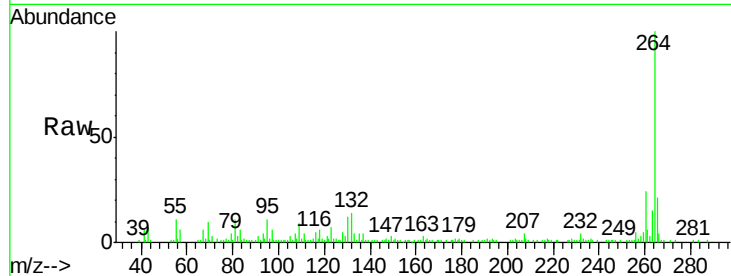
Tgt Ion:264 Resp: 82470

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

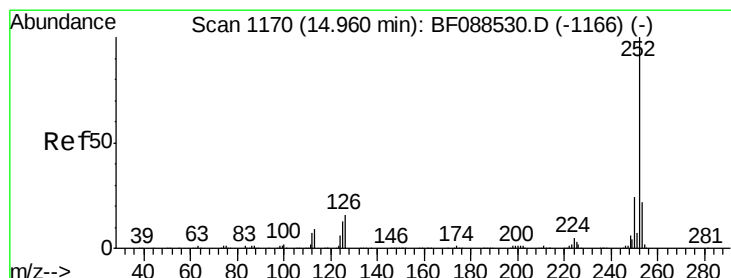
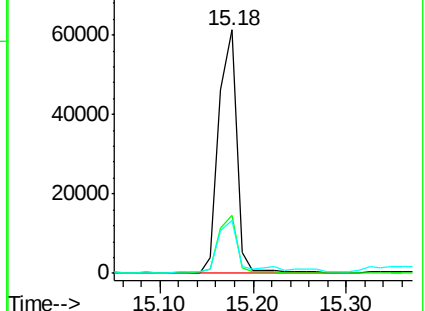
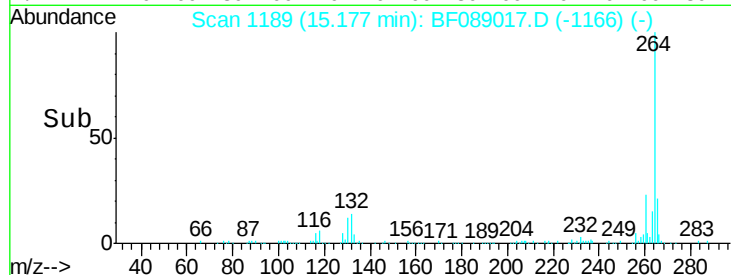
265 21.5 16.9 25.3



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



#87

Benzo(b)fluoranthene

Concen: 15.75 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.03 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

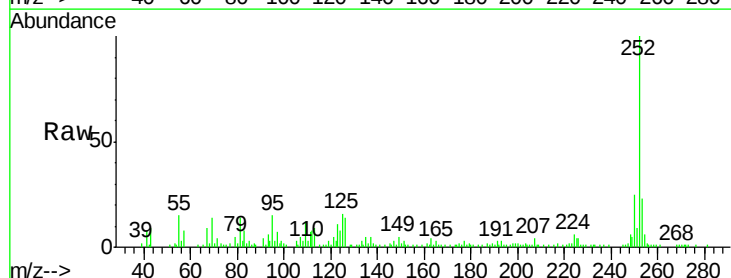
Tgt Ion:252 Resp: 81456

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

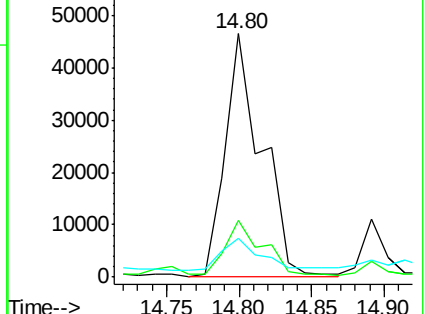
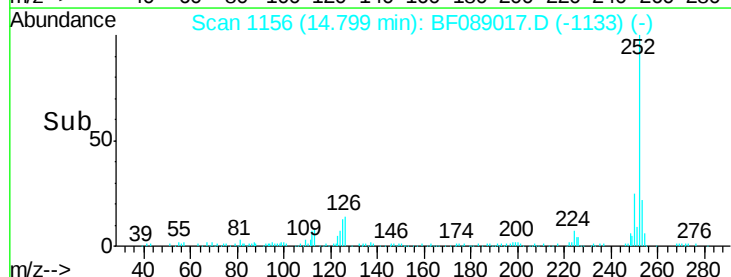
125 15.8 7.1 10.7#

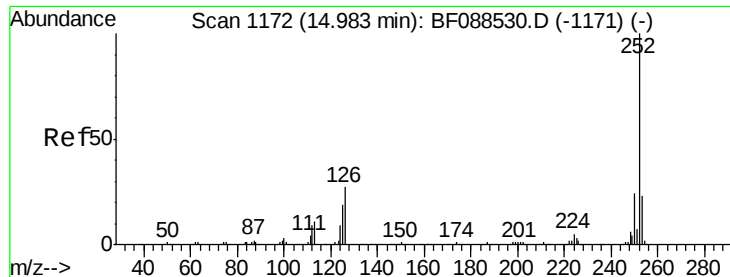


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 18.09 ng

RT: 14.80 min Scan# 1156

Delta R.T. -0.07 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

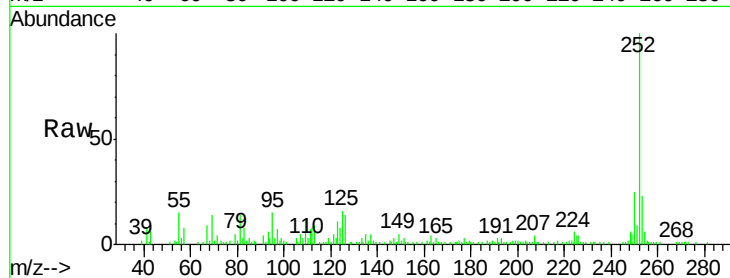
Tgt Ion:252 Resp: 81456

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

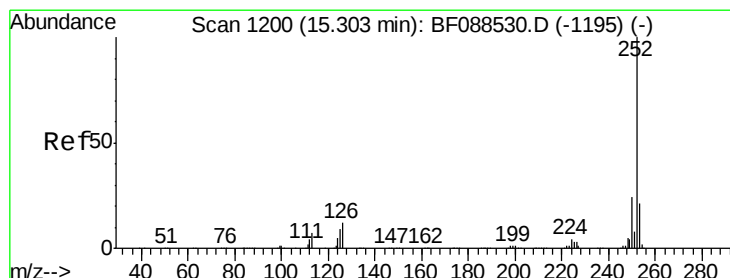
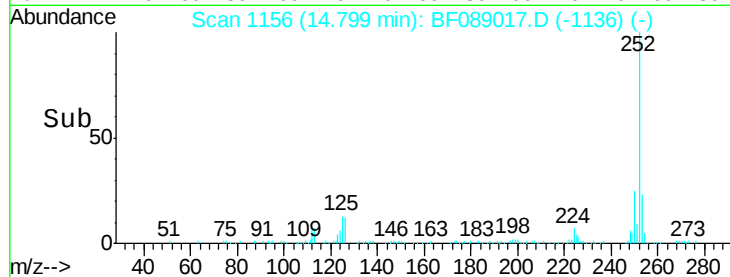
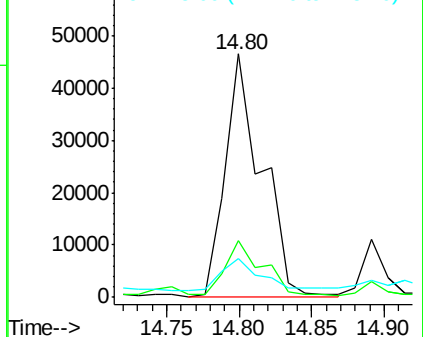
125 15.8 11.2 16.8



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



#89

Benzo(a)pyrene

Concen: 9.70 ng

RT: 15.12 min Scan# 1184

Delta R.T. -0.05 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

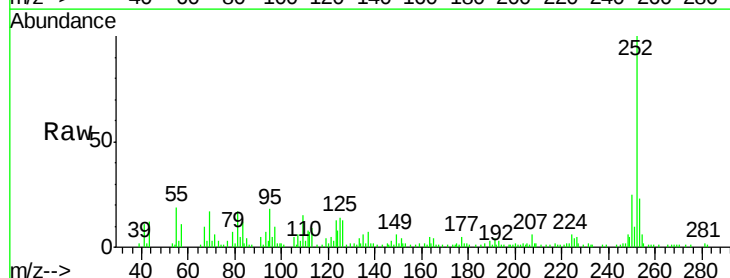
Tgt Ion:252 Resp: 42483

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

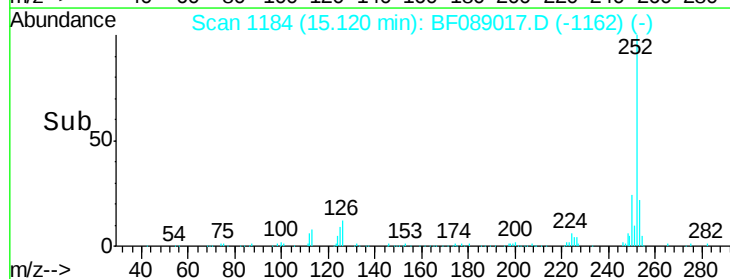
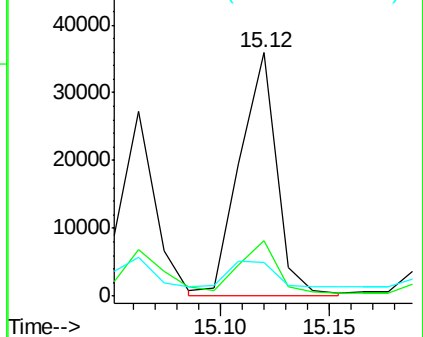
125 13.7 12.5 18.7

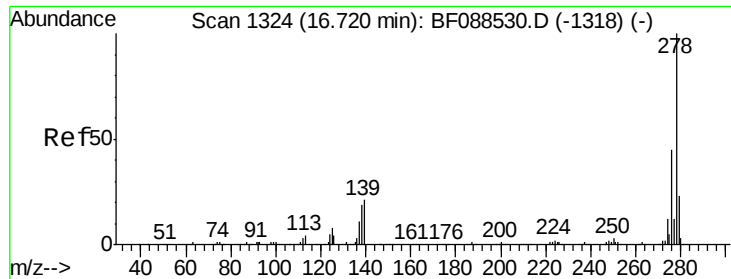


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.64 ng

RT: 16.45 min Scan# 1300

Delta R.T. -0.07 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

Instrument :

BNA_F

ClientSampleId :

LSS-SB-SB10(0-2ft)

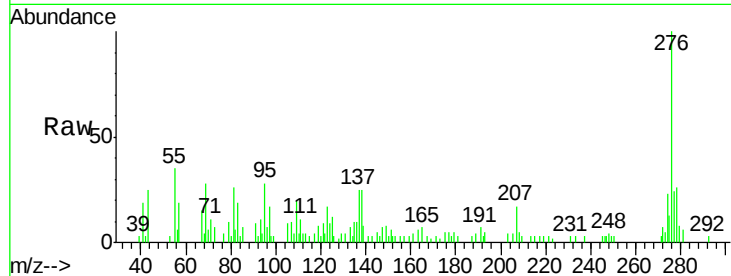
Tgt Ion:278 Resp: 9652

Ion Ratio Lower Upper

278 100

139 29.6 15.7 23.5#

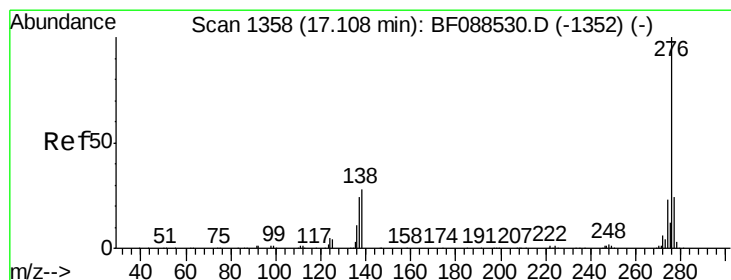
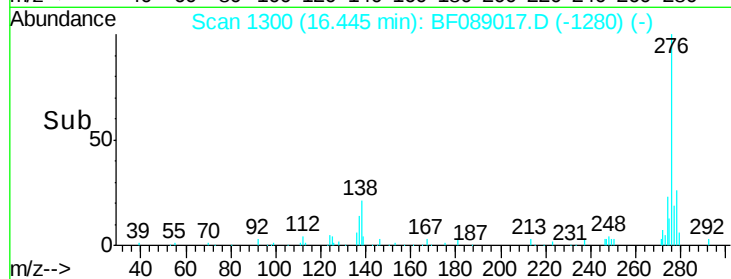
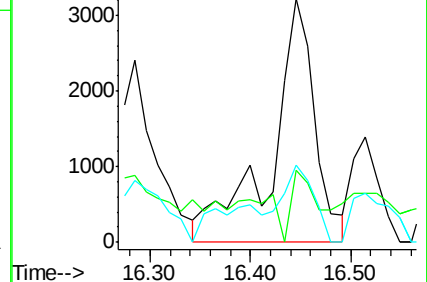
279 31.5 19.4 29.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.13 ng

RT: 16.82 min Scan# 1333

Delta R.T. -0.07 min

Lab File: BF089017.D

Acq: 15 Jul 2016 15:25

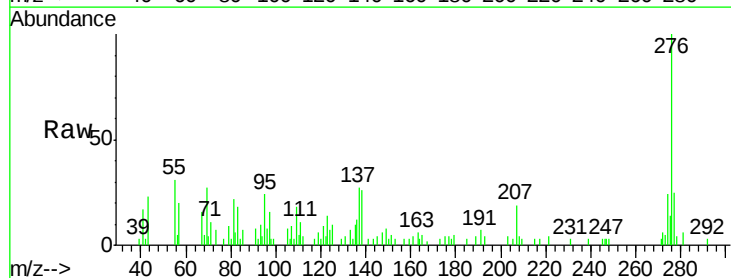
Tgt Ion:276 Resp: 23209

Ion Ratio Lower Upper

276 100

277 24.8 18.9 28.3

138 25.7 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

