

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE120814\
 Data File : BE089185.D
 Acq On : 9 Dec 2014 8:50
 Operator : TP/JJ
 Sample : SSTDICV001
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 ICVBE120814

Quant Time: Dec 09 09:29:28 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-ACID-BE120814.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 09 08:57:21 2014
 Response via : Initial Calibration

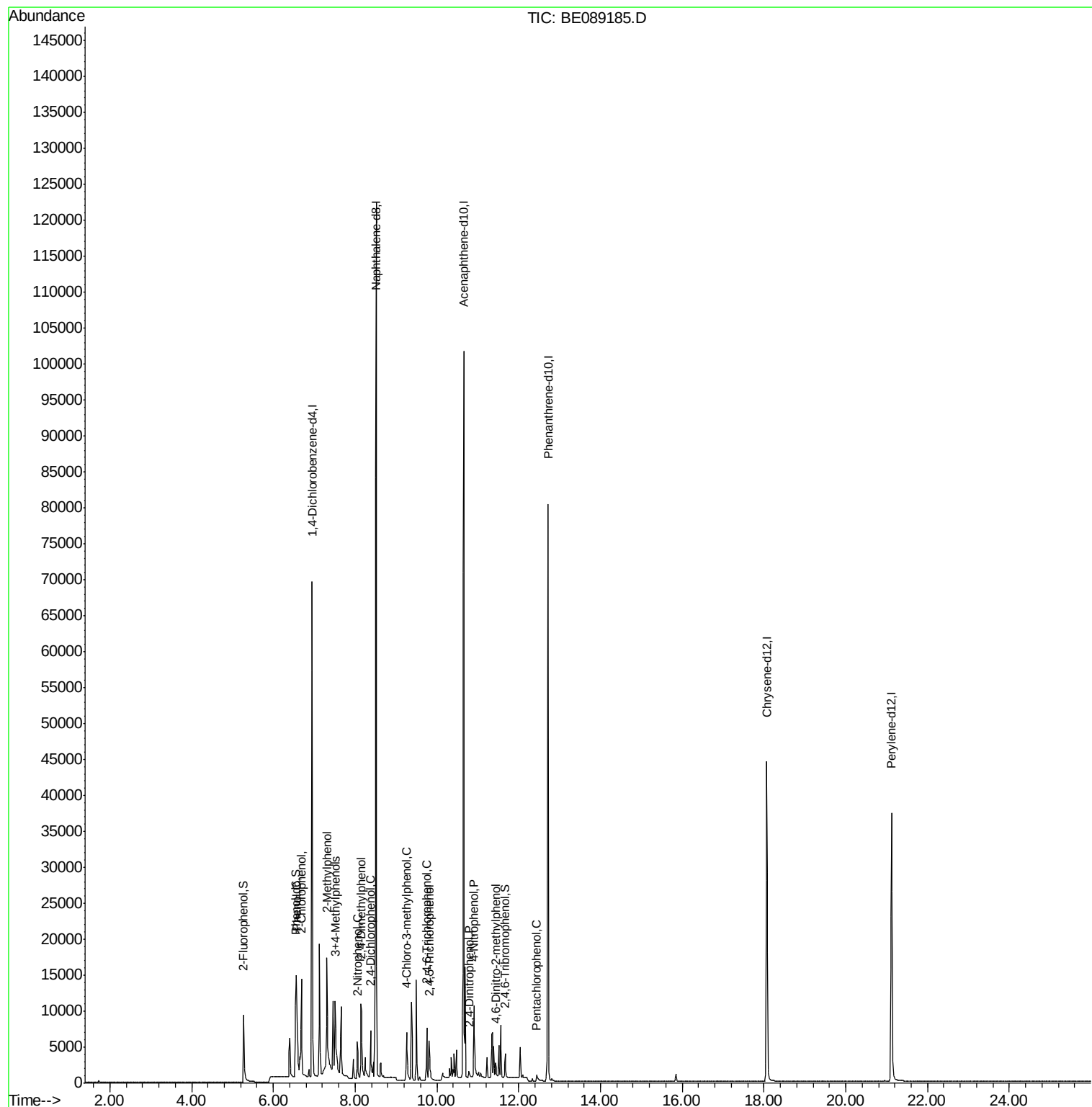
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	29817	5.00	ng	0.00
8) Naphthalene-d8	8.51	136	115133	5.00	ng	0.00
13) Acenaphthene-d10	10.66	164	55348	5.00	ng	0.00
19) Phenanthrene-d10	12.72	188	81793	5.00	ng	0.00
22) Chrysene-d12	18.07	240	57211	5.00	ng	0.00
23) Perylene-d12	21.12	264	51689	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	5.27	112	8307	1.09	ng	0.00
3) Phenol-d6	6.56	99	10592	1.05	ng	0.00
14) 2,4,6-Tribromophenol	11.67	330	1879	1.03	ng	0.00
Target Compounds						Qvalue
4) 2-Chlorophenol	6.69	128	8703	1.04	ng	96
5) Phenol	6.57	94	12831	1.07	ng	86
6) 2-Methylphenol	7.31	107	10054	1.04	ng	# 78
7) 3+4-Methylphenols	7.52	107	8703	1.07	ng	# 87
9) 2-Nitrophenol	8.06	139	4248	1.04	ng	# 88
10) 2,4-Dimethylphenol	8.15	122	7418	1.04	ng	92
11) 2,4-Dichlorophenol	8.38	162	6365	1.02	ng	95
12) 4-Chloro-3-methylphenol	9.26	107	6616	1.02	ng	# 88
15) 2,4,6-Trichlorophenol	9.75	196	3787	1.01	ng	# 42
16) 2,4,5-Trichlorophenol	9.81	196	4364	1.04	ng	# 70
17) 2,4-Dinitrophenol	10.78	184	913	0.92	ng	88
18) 4-Nitrophenol	10.91	139	9185	1.08	ng	# 28
20) 4,6-Dinitro-2-methylphenol	11.45	198	1457	0.95	ng	93
21) Pentachlorophenol	12.44	266	1112	0.90	ng	95

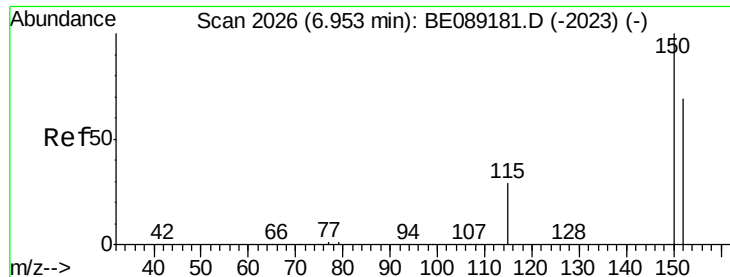
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 2026

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

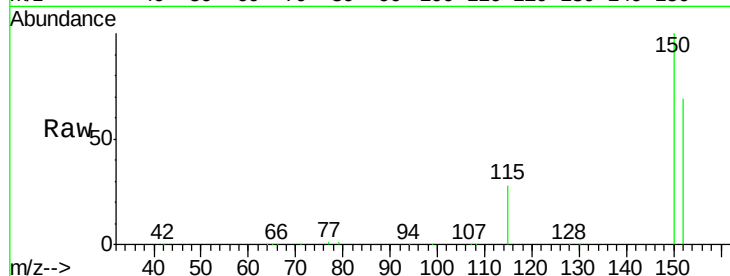
Tgt Ion:152 Resp: 29817

Ion Ratio Lower Upper

152 100

150 144.1 125.5 188.3

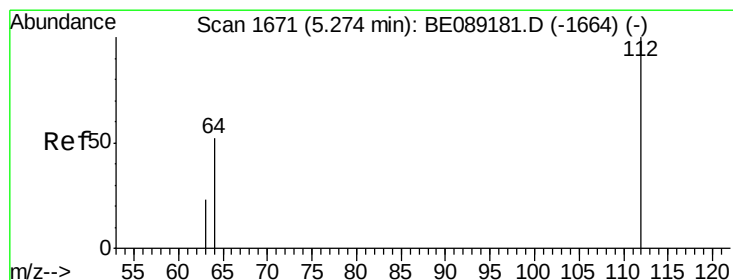
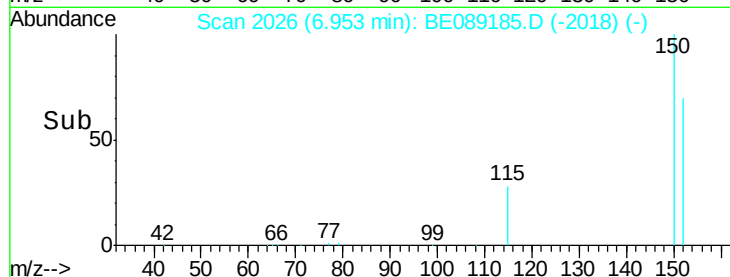
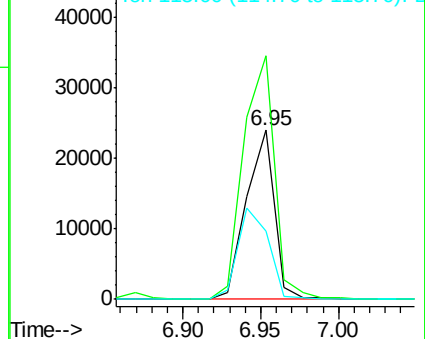
115 40.1 43.1 64.7#



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



#2

2-Fluorophenol

Concen: 1.09 ng

RT: 5.27 min Scan# 1670

Delta R.T. 0.01 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

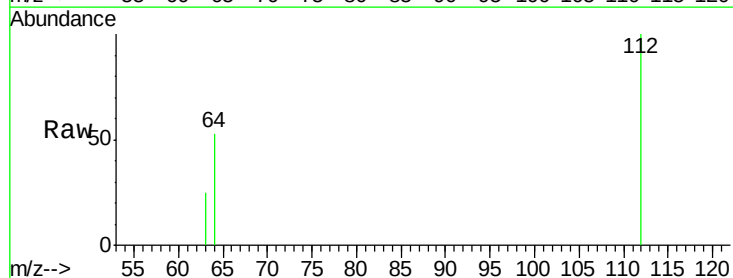
Tgt Ion:112 Resp: 8307

Ion Ratio Lower Upper

112 100

64 53.0 43.2 64.8

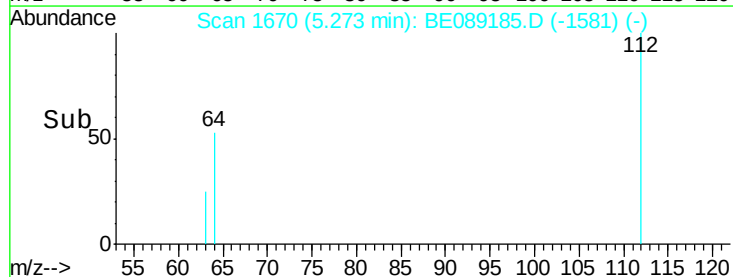
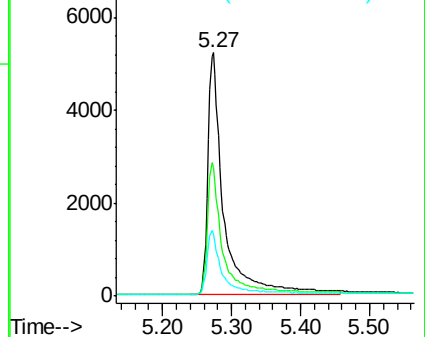
63 25.3 19.8 29.6

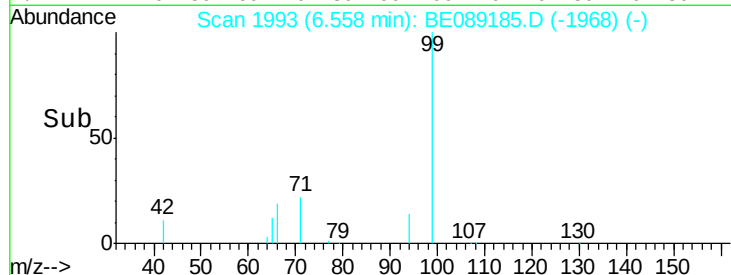
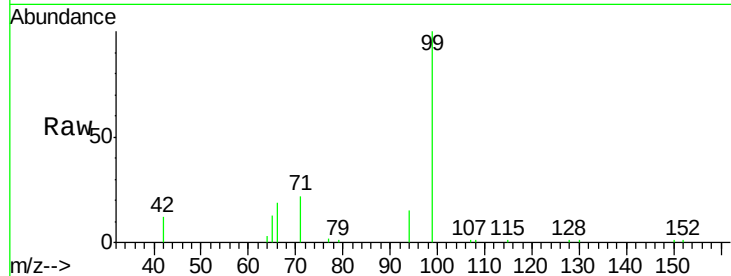
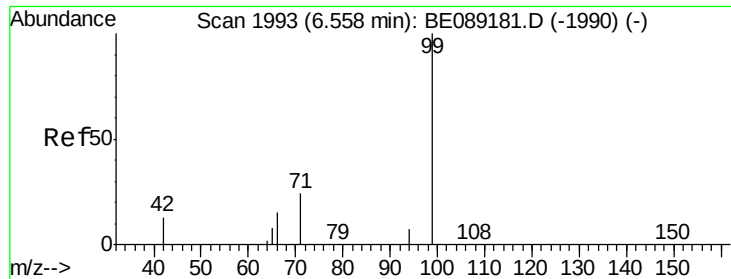


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.05 ng

RT: 6.56 min Scan# 1993

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

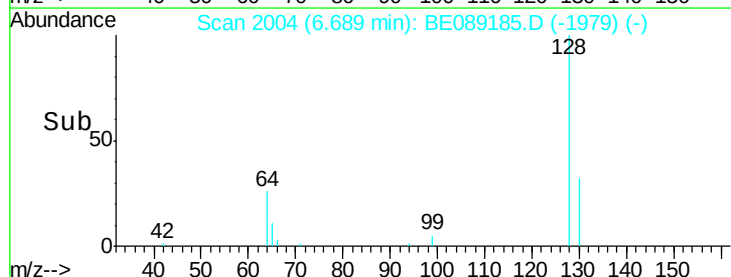
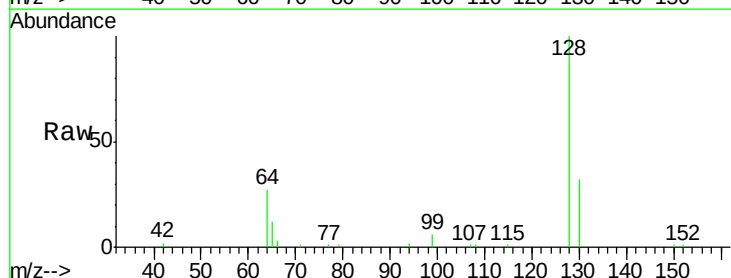
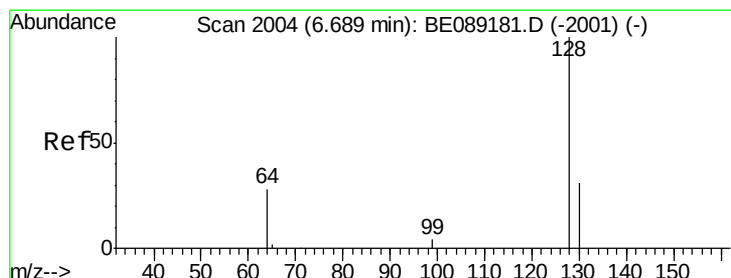
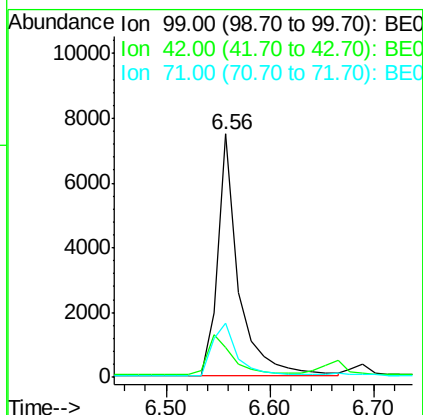
Tgt Ion: 99 Resp: 10592

Ion Ratio Lower Upper

99 100

42 12.5 4.4 6.6#

71 22.3 11.0 16.6#



#4

2-Chlorophenol

Concen: 1.04 ng

RT: 6.69 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

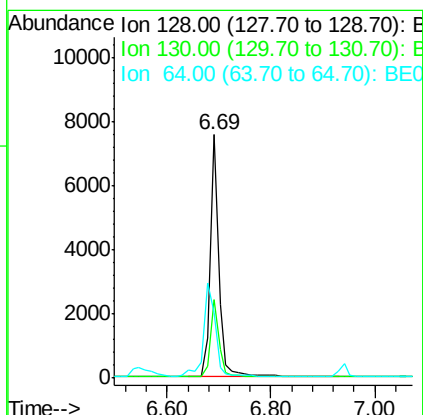
Tgt Ion: 128 Resp: 8703

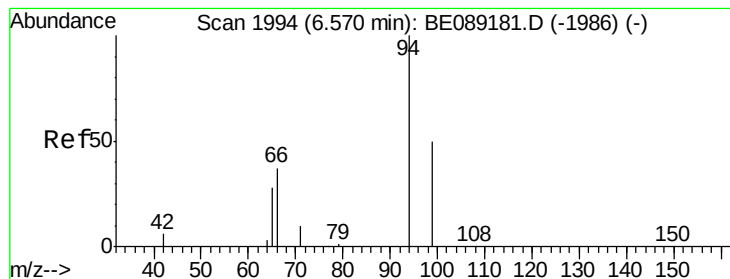
Ion Ratio Lower Upper

128 100

130 32.3 9.8 49.8

64 27.2 8.8 48.8





#5

Phenol

Concen: 1.07 ng

RT: 6.57 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

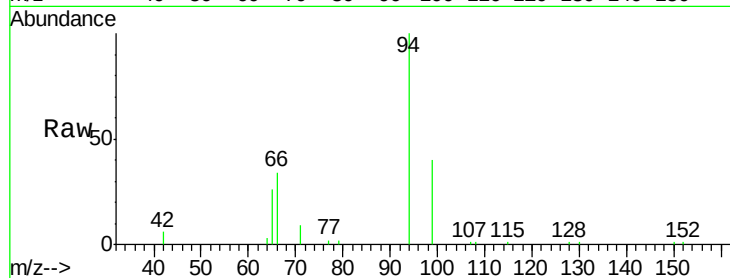
Tgt Ion: 94 Resp: 12831

Ion Ratio Lower Upper

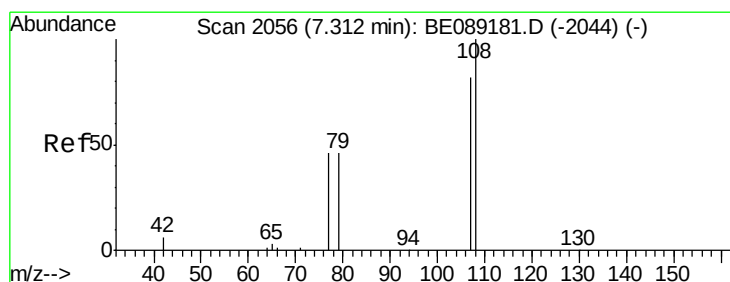
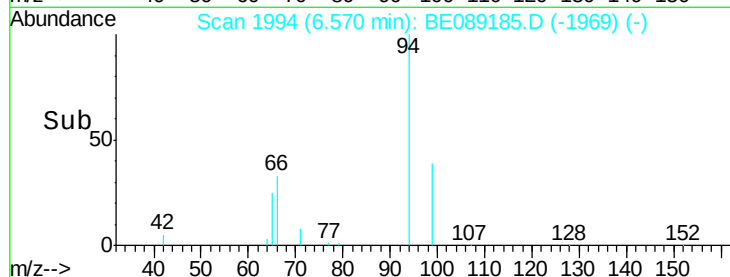
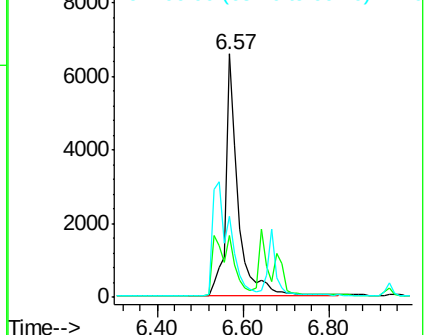
94 100

65 25.6 0.0 39.0

66 33.6 6.2 46.2



Abundance Ion 94.00 (93.70 to 94.70): BE0
Ion 65.00 (64.70 to 65.70): BE0
Ion 66.00 (65.70 to 66.70): BE0



#6

2-Methylphenol

Concen: 1.04 ng

RT: 7.31 min Scan# 2056

Delta R.T. 0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Tgt Ion: 107 Resp: 10054

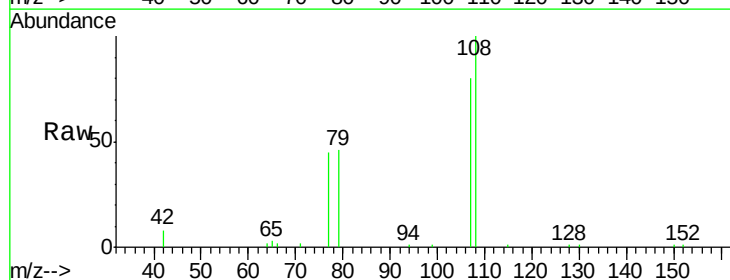
Ion Ratio Lower Upper

107 100

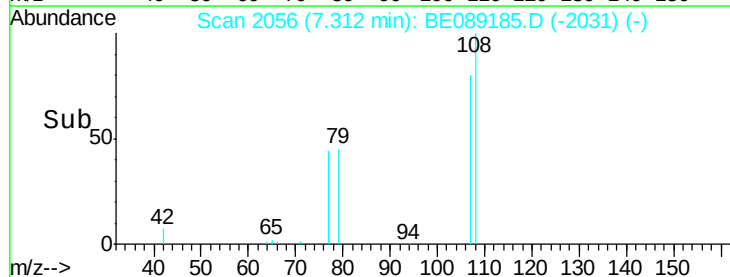
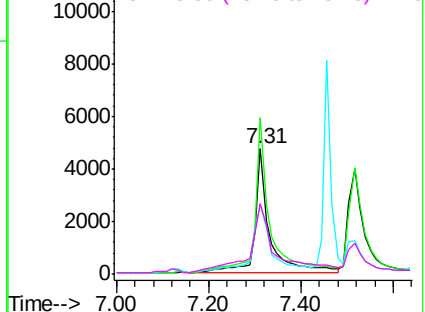
108 124.4 86.8 130.2

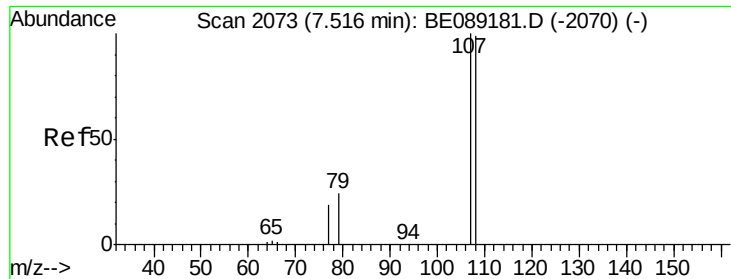
77 55.7 37.1 55.7#

79 56.7 9.0 13.4#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BE0
Ion 79.00 (78.70 to 79.70): BE0





#7

3+4-Methylphenols

Concen: 1.07 ng

RT: 7.52 min Scan# 2073

Delta R.T. 0.01 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

Tgt Ion:107 Resp: 8703

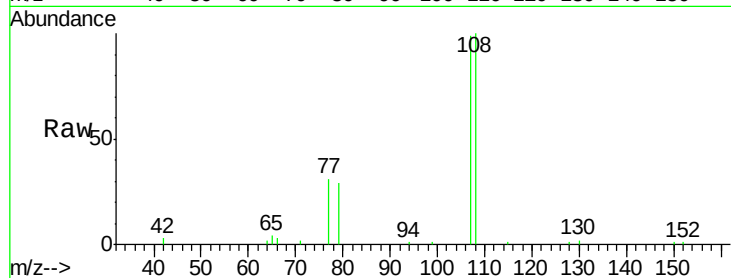
Ion Ratio Lower Upper

107 100

108 101.3 69.0 109.0

77 31.8 13.4 53.4

79 29.3 0.0 26.4#

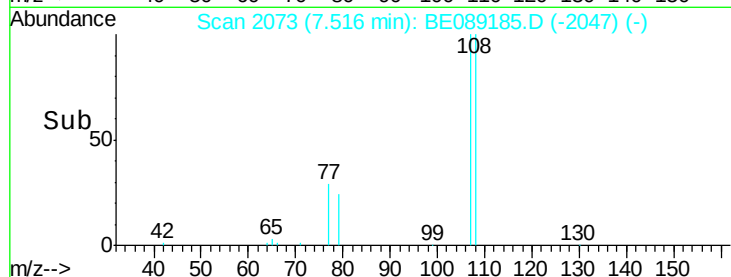


Abundance Ion 107.00 (106.70 to 107.70): E

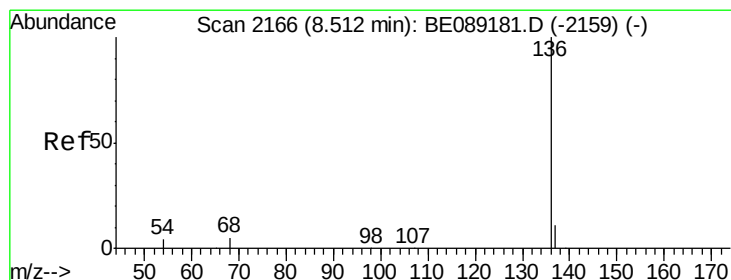
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BE0

Ion 79.00 (78.70 to 79.70): BE0



Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Tgt Ion:136 Resp: 115133

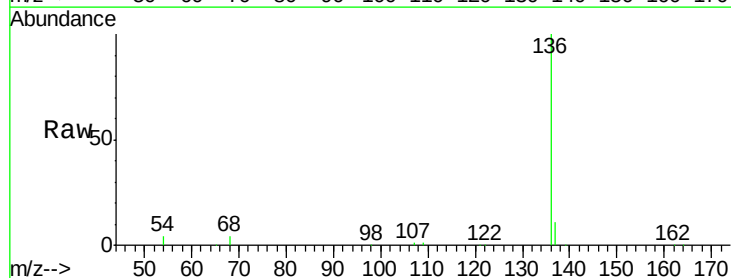
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 3.7 7.2 10.8#

68 4.3 7.0 10.6#

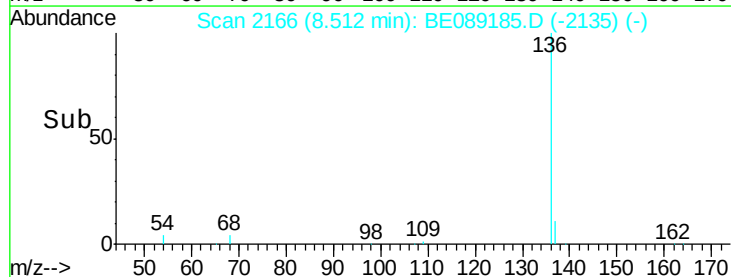


Abundance Ion 136.00 (135.70 to 136.70): E

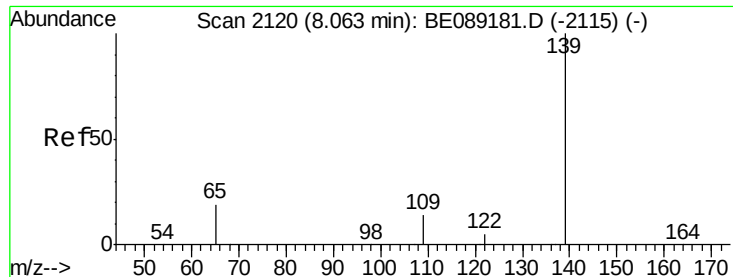
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#9

2-Nitrophenol

Concen: 1.04 ng

RT: 8.06 min Scan# 2120

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

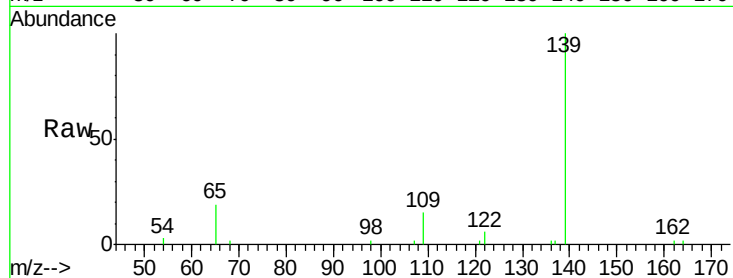
Tgt Ion:139 Resp: 4248

Ion Ratio Lower Upper

139 100

109 15.2 15.3 22.9#

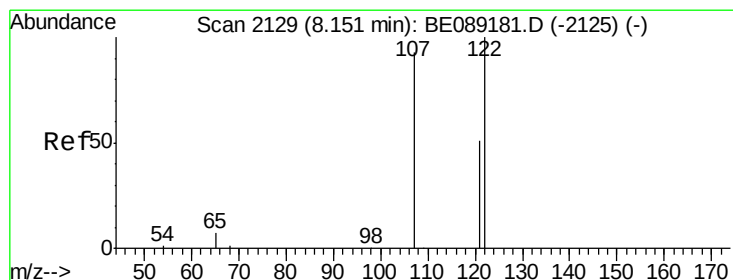
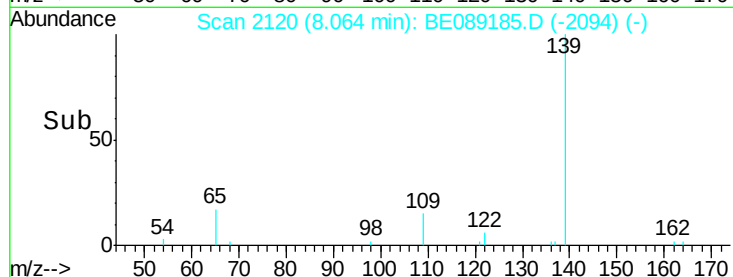
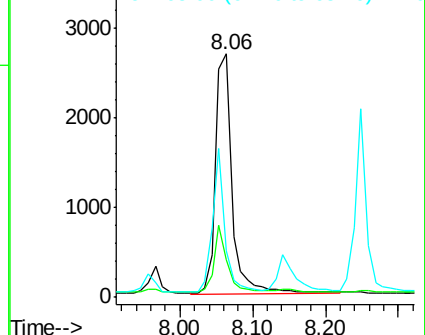
65 19.3 21.2 31.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E



#10

2,4-Dimethylphenol

Concen: 1.04 ng

RT: 8.15 min Scan# 2129

Delta R.T. 0.01 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

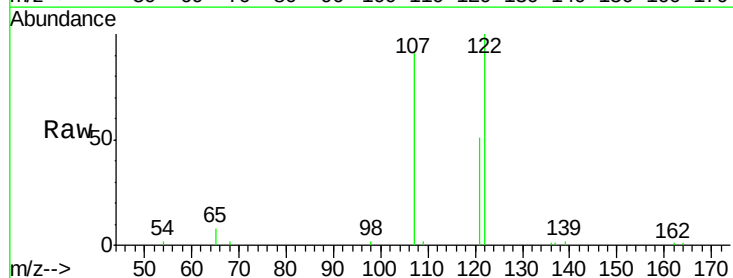
Tgt Ion:122 Resp: 7418

Ion Ratio Lower Upper

122 100

107 90.6 64.3 96.5

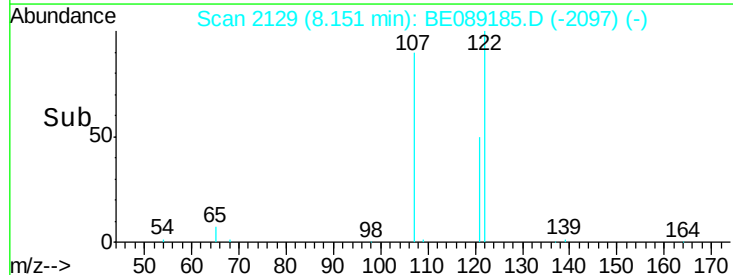
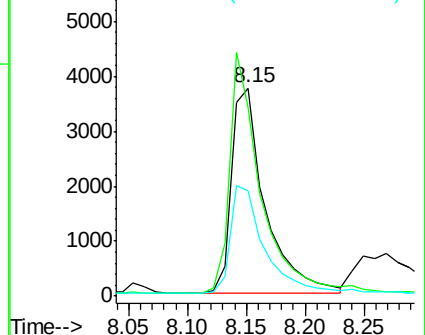
121 50.5 39.5 59.3

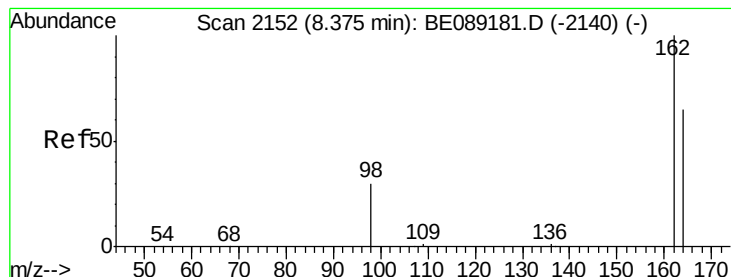


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E





#11

2,4-Dichlorophenol

Concen: 1.02 ng

RT: 8.38 min Scan# 2152

Delta R.T. 0.01 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

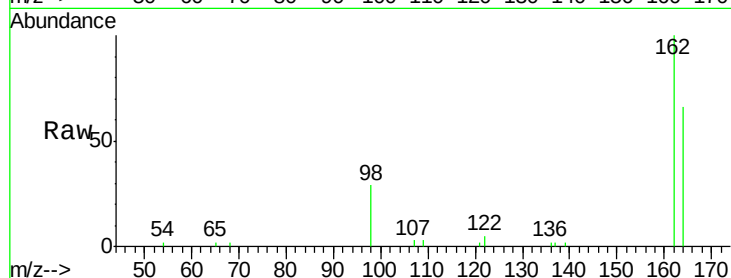
Tgt Ion:162 Resp: 6365

Ion Ratio Lower Upper

162 100

164 66.1 42.5 82.5

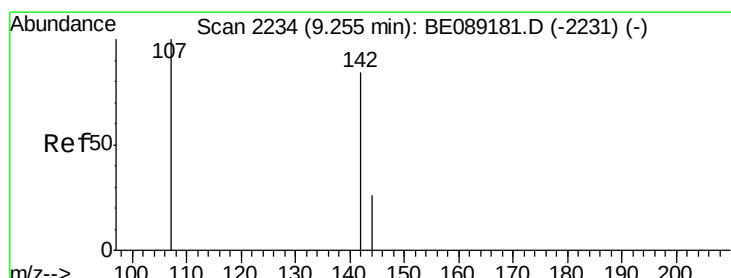
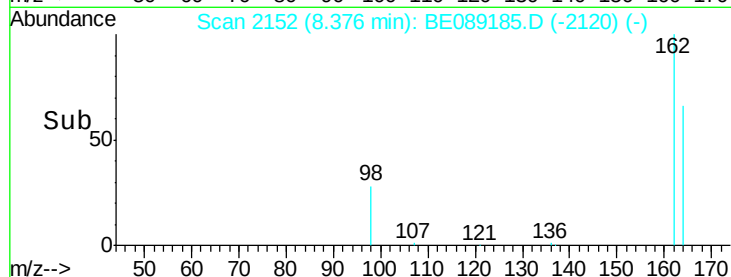
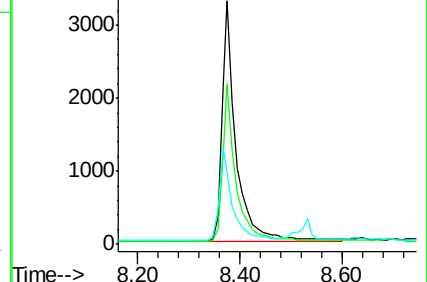
98 29.4 6.0 46.0



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#12

4-Chloro-3-methylphenol

Concen: 1.02 ng

RT: 9.26 min Scan# 2234

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

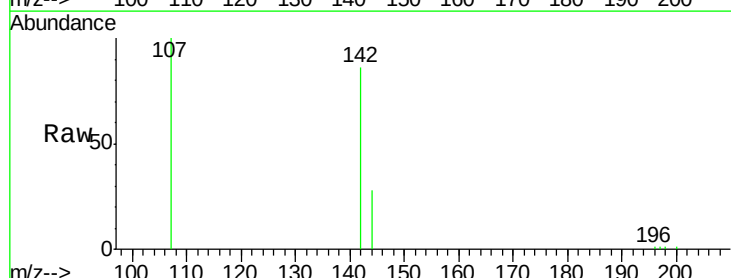
Tgt Ion:107 Resp: 6616

Ion Ratio Lower Upper

107 100

144 27.7 16.2 24.4#

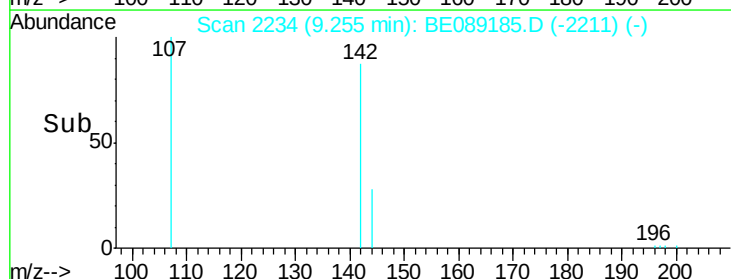
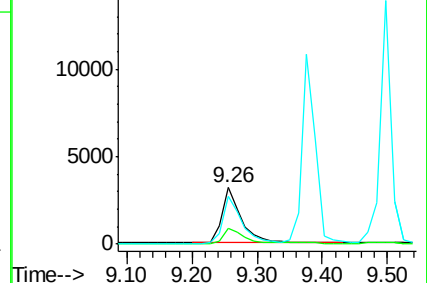
142 85.6 61.4 92.0

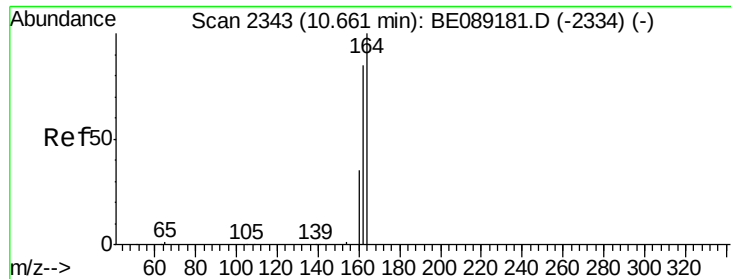


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

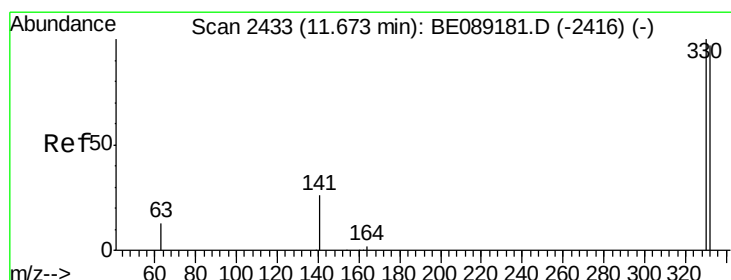
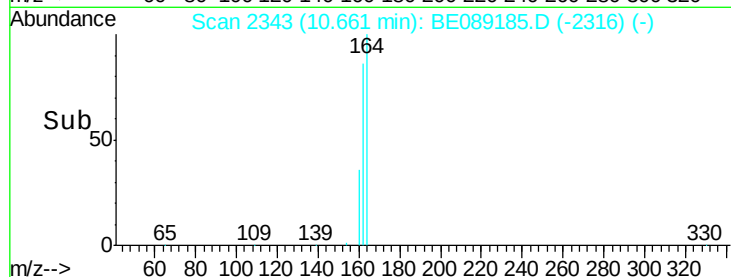
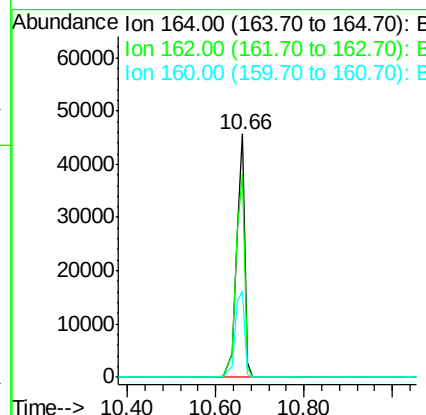
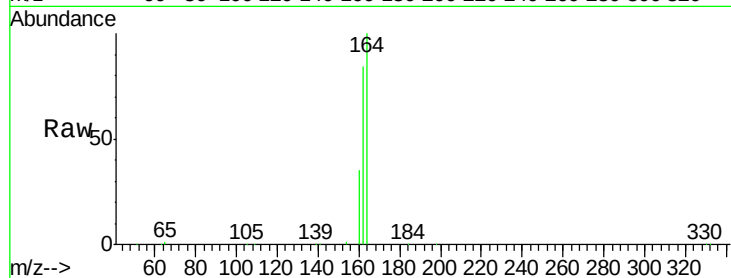




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.66 min Scan# 2343
Delta R.T. -0.00 min
Lab File: BE089185.D
Acq: 9 Dec 2014 8:50

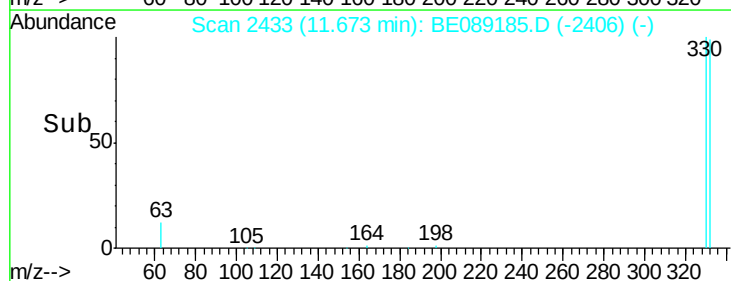
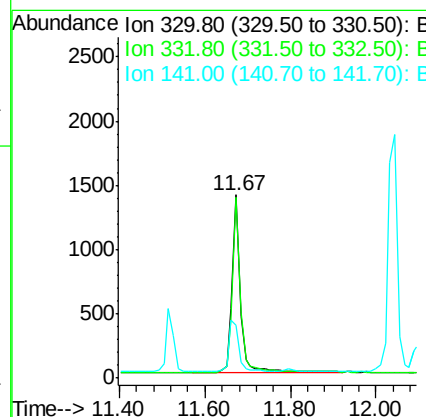
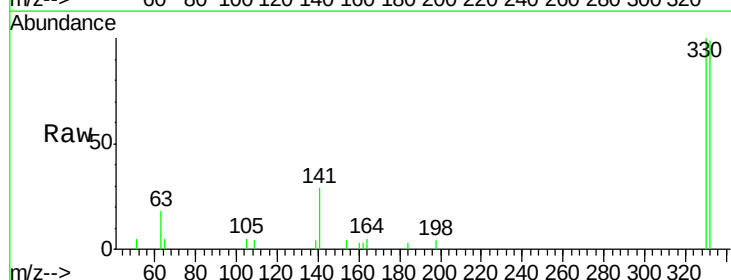
Instrument :
BNA_E
ClientSampleId :
ICVBE120814

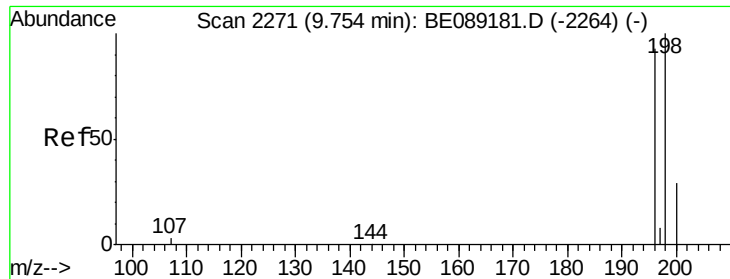
Tgt Ion:164 Resp: 55348
Ion Ratio Lower Upper
164 100
162 84.0 65.4 98.2
160 35.2 26.2 39.4



#14
2,4,6-Tribromophenol
Concen: 1.03 ng
RT: 11.67 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BE089185.D
Acq: 9 Dec 2014 8:50

Tgt Ion:330 Resp: 1879
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 34.9 23.5 35.3

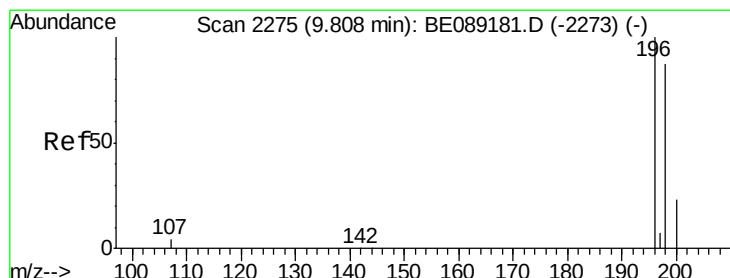
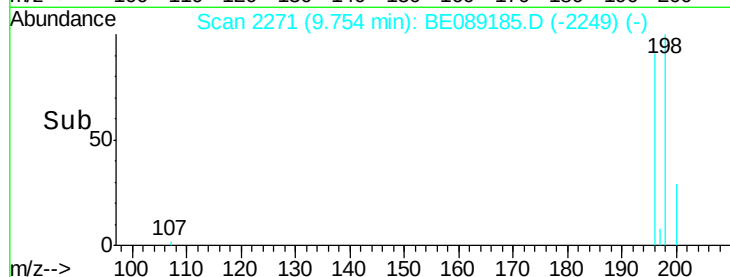
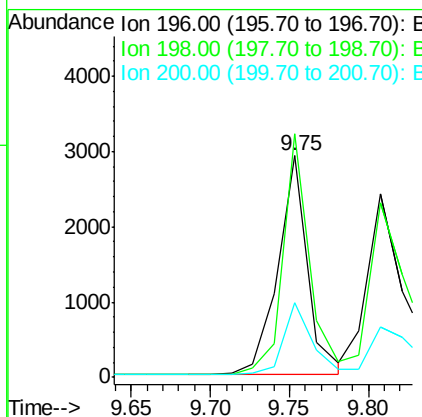
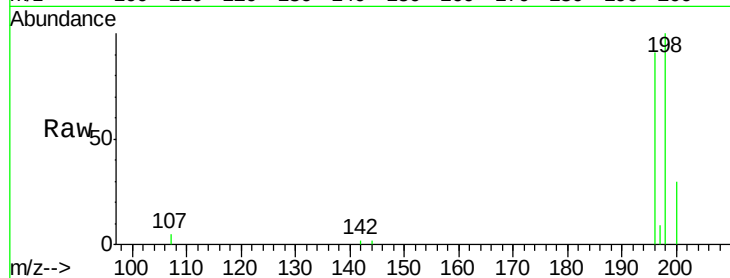




#15
 2,4,6-Trichlorophenol
 Concen: 1.01 ng
 RT: 9.75 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: BE089185.D
 Acq: 9 Dec 2014 8:50

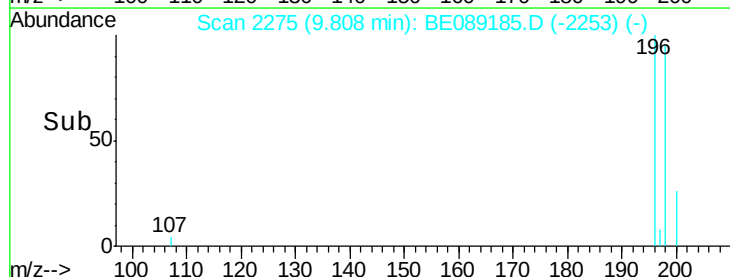
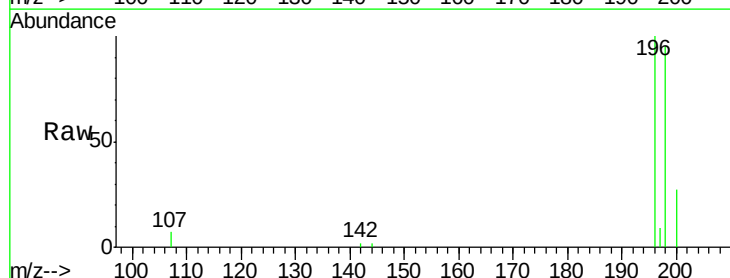
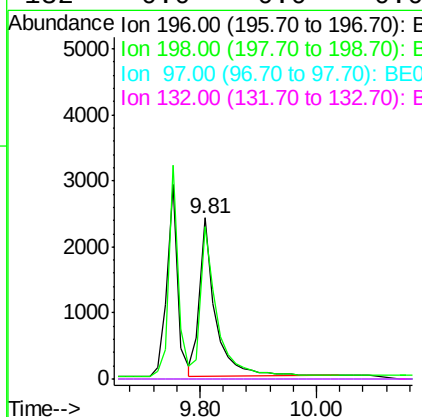
Instrument :
 BNA_E
 ClientSampleId :
 ICVBE120814

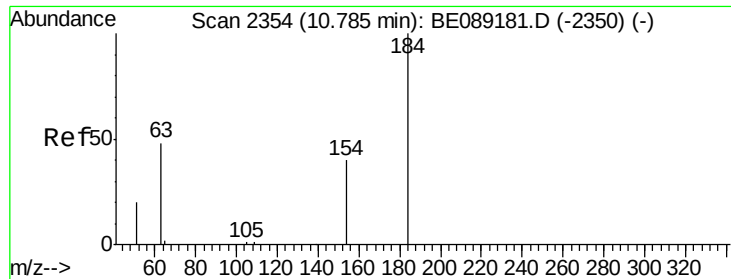
Tgt Ion:196 Resp: 3787
 Ion Ratio Lower Upper
 196 100
 198 109.9 50.5 75.7#
 200 33.5 11.5 17.3#



#16
 2,4,5-Trichlorophenol
 Concen: 1.04 ng
 RT: 9.81 min Scan# 2275
 Delta R.T. -0.00 min
 Lab File: BE089185.D
 Acq: 9 Dec 2014 8:50

Tgt Ion:196 Resp: 4364
 Ion Ratio Lower Upper
 196 100
 198 94.8 56.1 84.1#
 97 0.0 0.0 0.0
 132 0.0 0.0 0.0

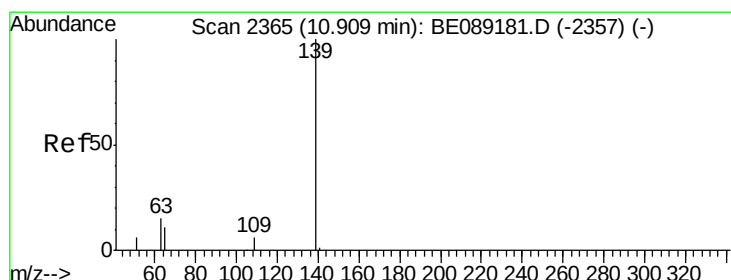
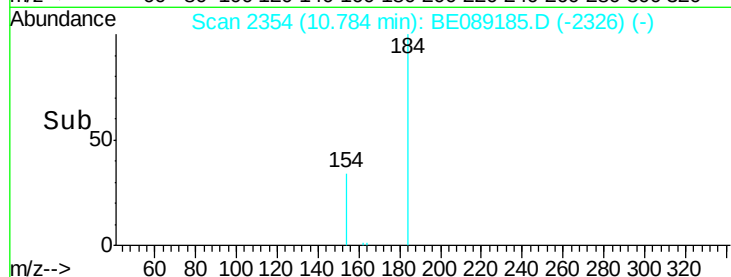
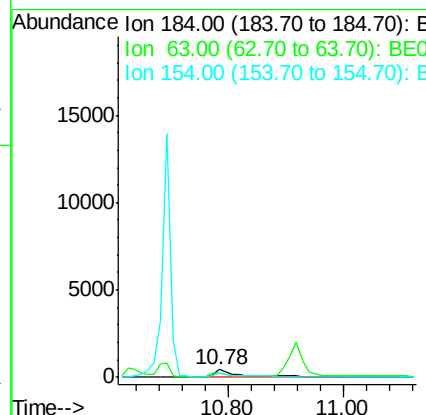
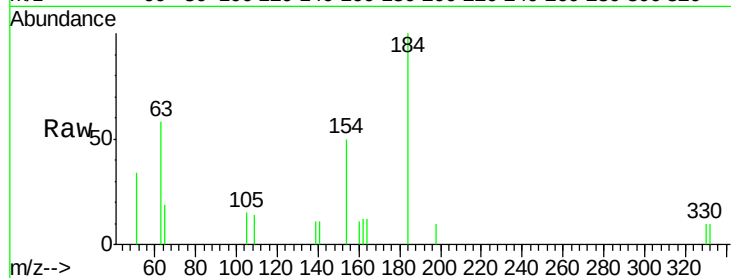




#17
2,4-Dinitrophenol
Concen: 0.92 ng
RT: 10.78 min Scan# 2354
Delta R.T. 0.01 min
Lab File: BE089185.D
Acq: 9 Dec 2014 8:50

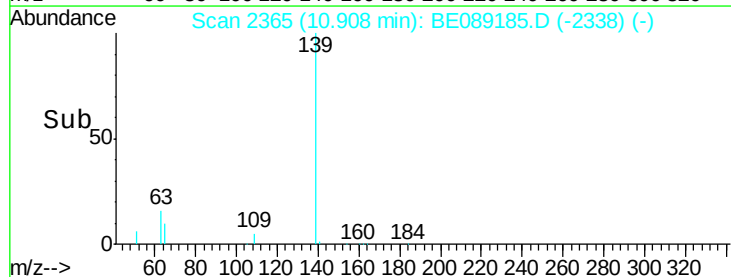
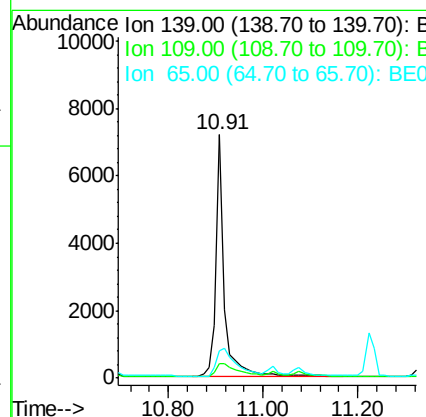
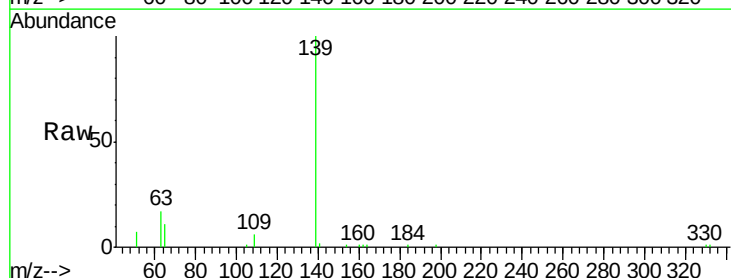
Instrument :
BNA_E
ClientSampleId :
ICVBE120814

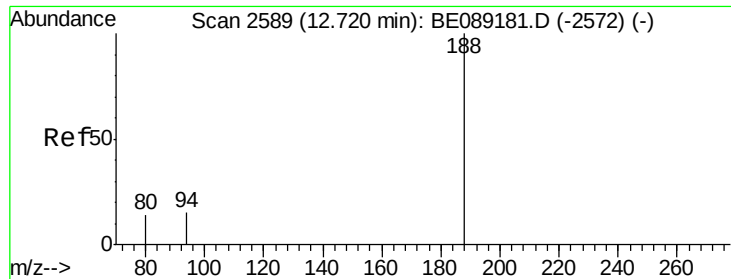
Tgt Ion:184 Resp: 913
Ion Ratio Lower Upper
184 100
63 57.8 54.0 81.0
154 49.8 47.3 70.9



#18
4-Nitrophenol
Concen: 1.08 ng
RT: 10.91 min Scan# 2365
Delta R.T. -0.00 min
Lab File: BE089185.D
Acq: 9 Dec 2014 8:50

Tgt Ion:139 Resp: 9185
Ion Ratio Lower Upper
139 100
109 5.9 37.4 77.4#
65 11.1 52.7 92.7#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.72 min Scan# 2589

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

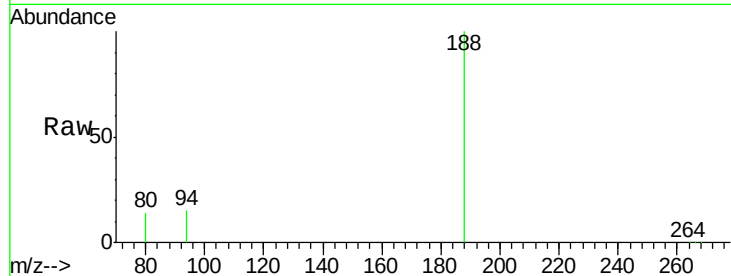
Tgt Ion:188 Resp: 81793

Ion Ratio Lower Upper

188 100

94 14.6 12.7 19.1

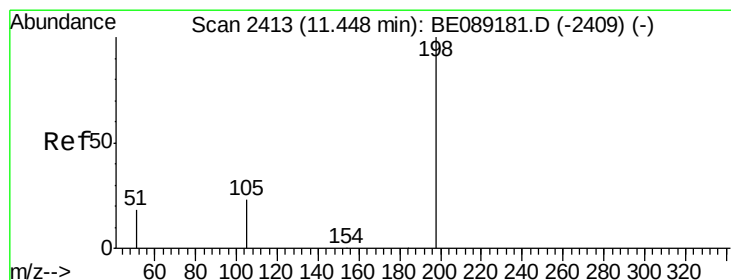
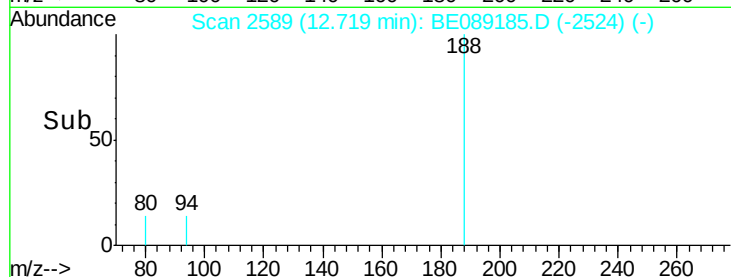
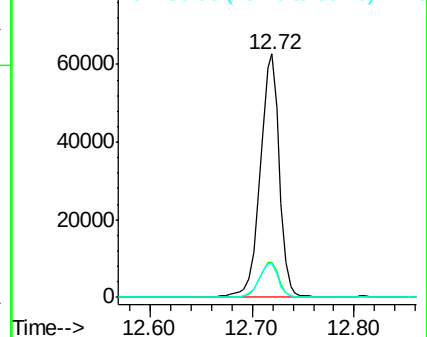
80 13.6 11.9 17.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4,6-Dinitro-2-methylphenol

Concen: 0.95 ng

RT: 11.45 min Scan# 2413

Delta R.T. -0.00 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

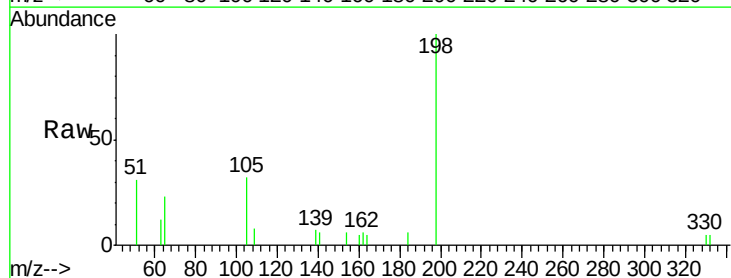
Tgt Ion:198 Resp: 1457

Ion Ratio Lower Upper

198 100

51 31.0 11.2 51.2

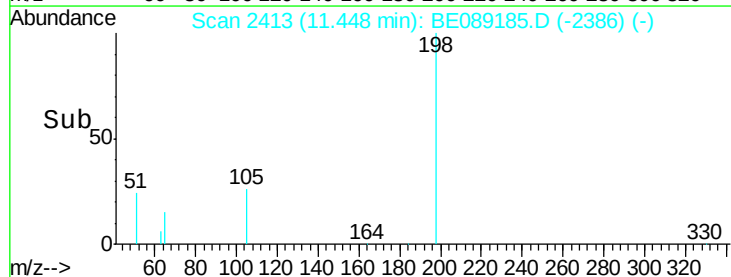
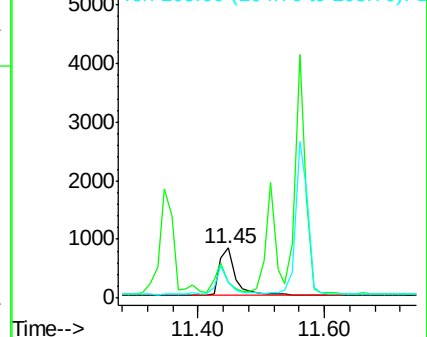
105 31.5 4.3 44.3

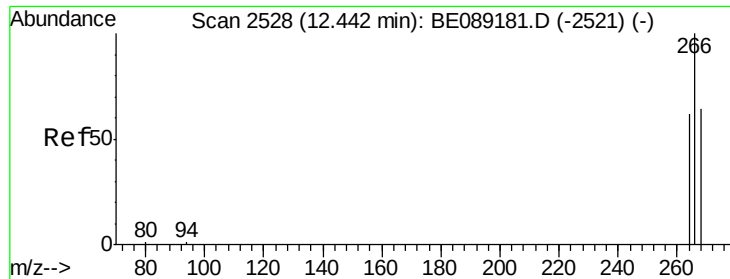


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BE0

Ion 105.00 (104.70 to 105.70): E





#21

Pentachlorophenol

Concen: 0.90 ng

RT: 12.44 min Scan# 2528

Delta R.T. 0.01 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814

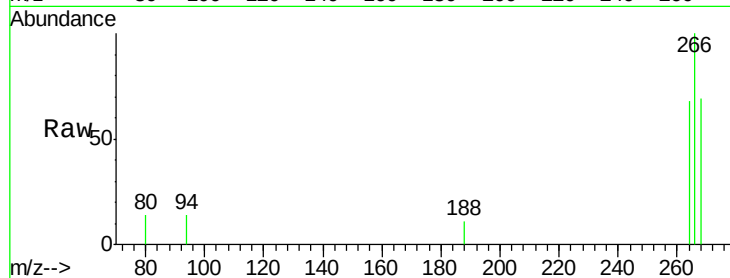
Tgt Ion:266 Resp: 1112

Ion Ratio Lower Upper

266 100

268 69.5 52.8 79.2

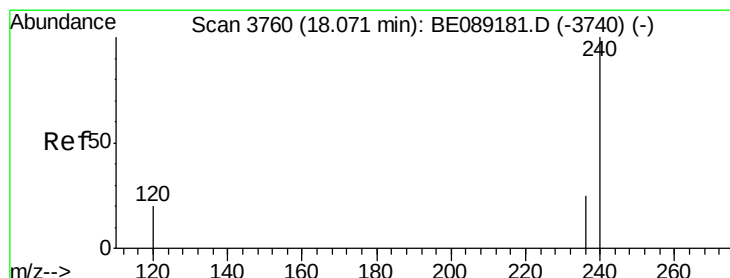
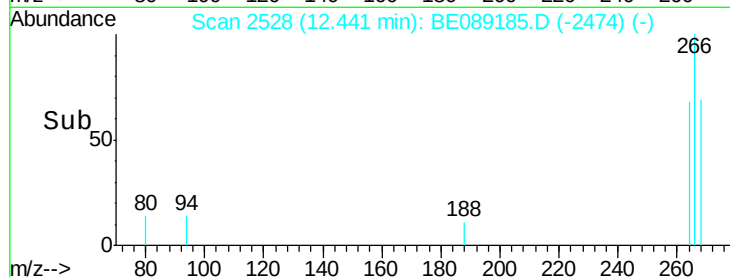
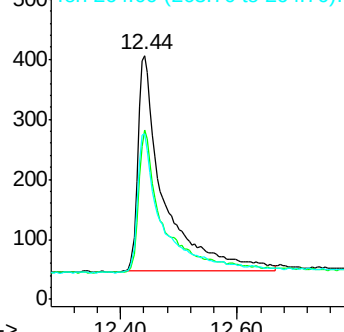
264 67.7 50.6 75.8



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#22

Chrysene-d12

Concen: 5.00 ng

RT: 18.07 min Scan# 3760

Delta R.T. -0.01 min

Lab File: BE089185.D

Acq: 9 Dec 2014 8:50

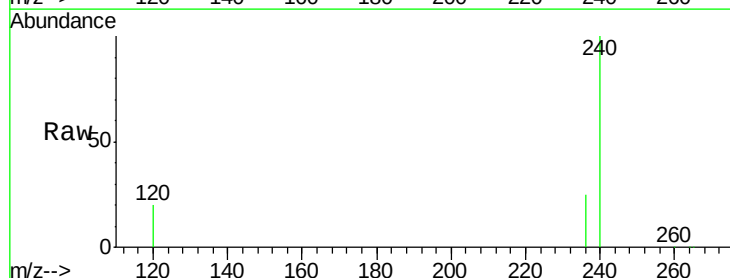
Tgt Ion:240 Resp: 57211

Ion Ratio Lower Upper

240 100

120 20.2 17.0 25.6

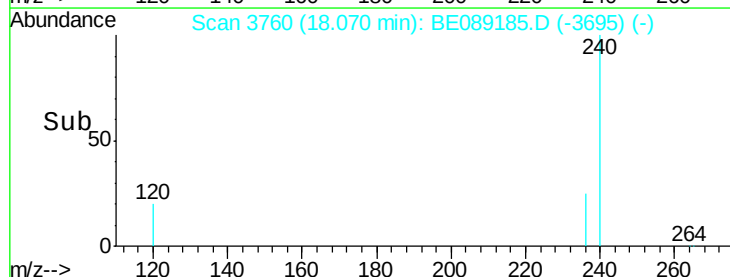
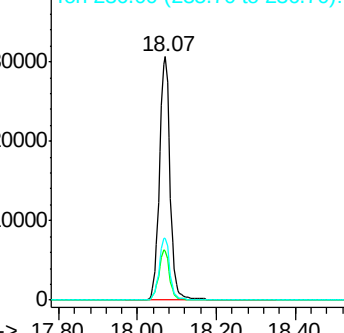
236 25.3 20.2 30.4

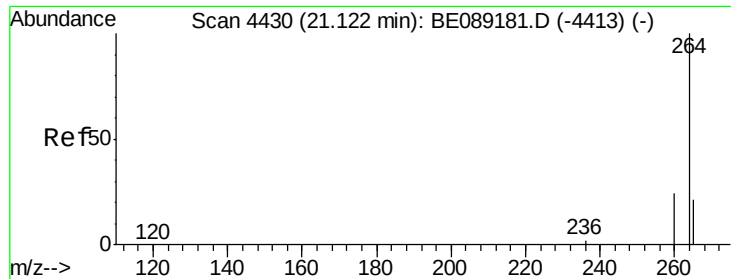


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#23

Perylene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 4430

Delta R.T. -0.01 min

Lab File: BE089185.D

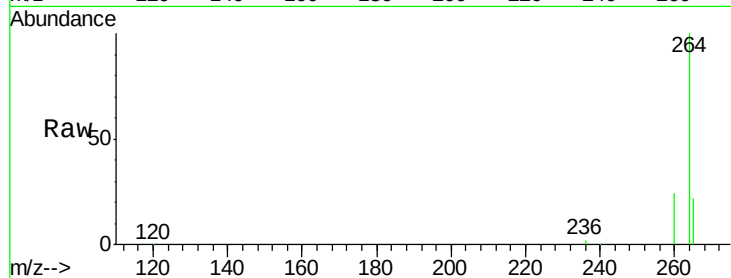
Acq: 9 Dec 2014 8:50

Instrument :

BNA_E

ClientSampleId :

ICVBE120814



Tgt Ion: 264 Resp: 51689

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.9 17.4 26.0

