

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081015\
 Data File : BE090413.D
 Acq On : 10 Aug 2015 22:00
 Operator : TP/UM
 Sample : G3205-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-D-S

Quant Time: Aug 11 03:17:57 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	26897	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	124653	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	72847	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	166688	5.00	ng	0.00
25) Chrysene-d12	21.10	240	199587	5.00	ng	0.00
32) Perylene-d12	23.40	264	186322	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	14974	3.71	ng	0.00
5) Phenol-d6	6.77	99	12766	1.66	ng	0.00
7) Nitrobenzene-d5	8.73	82	31600	3.19	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	18098	8.08	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	74190	3.70	ng	0.00
27) Terphenyl-d14	19.55	244	142231	4.84	ng	-0.01

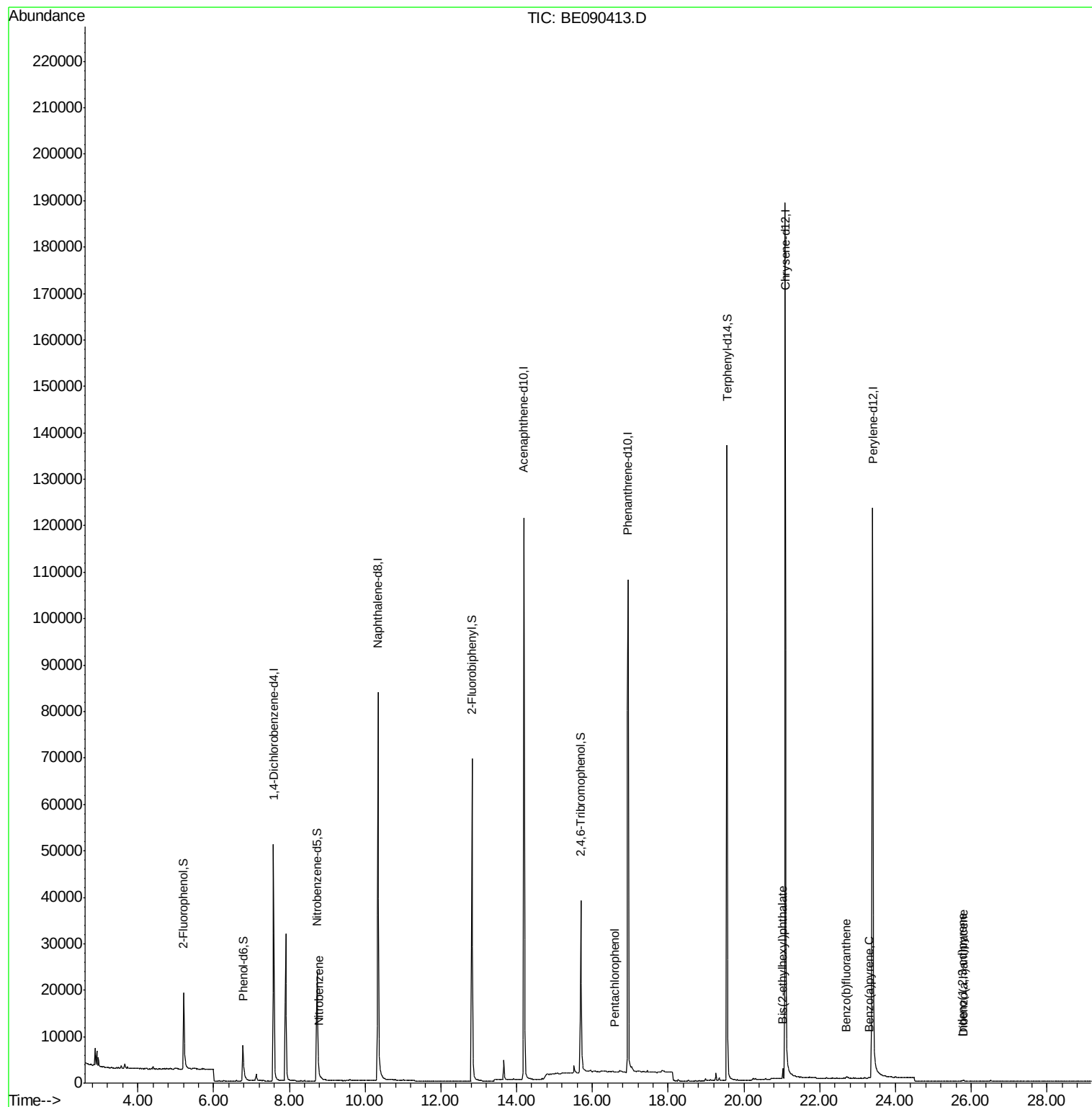
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	37	Below Cal	#	32
8) Nitrobenzene	8.79	77	13	0.21 ng	#	70
10) Hexachlorobutadiene	10.69	225	2	Below Cal	#	1
21) Pentachlorophenol	16.60	266	22	0.11 ng	#	67
30) Bis(2-ethylhexyl)phthalate	21.03	149	1976	0.30 ng	#	97
31) Indeno(1,2,3-cd)pyrene	25.77	276	83	0.25 ng	#	83
33) Benzo(b)fluoranthene	22.71	252	309	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	189	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.80	278	54	0.29 ng	#	1

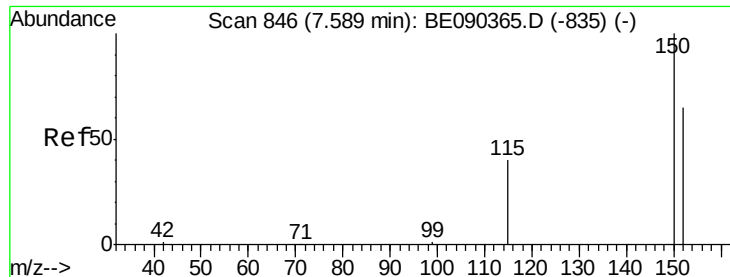
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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080515-D506-F-D-S

Quant Time: Aug 11 03:17:57 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 06 12:28:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S

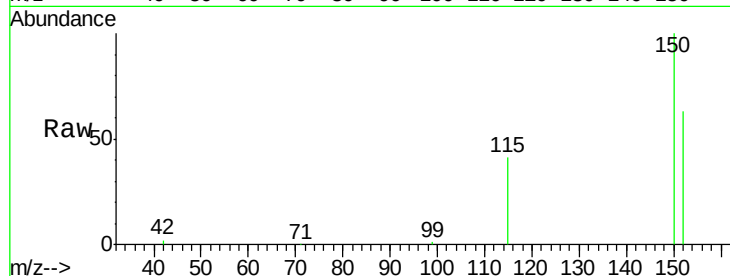
Tgt Ion: 152 Resp: 26897

Ion Ratio Lower Upper

152 100

150 158.9 123.0 184.4

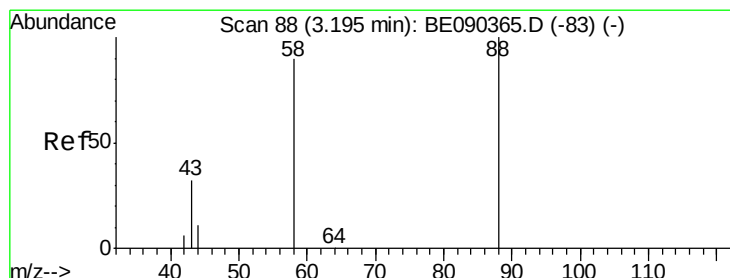
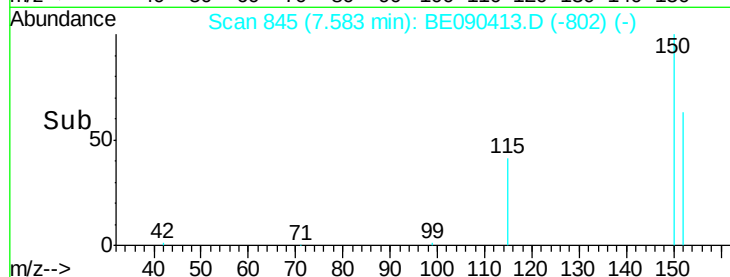
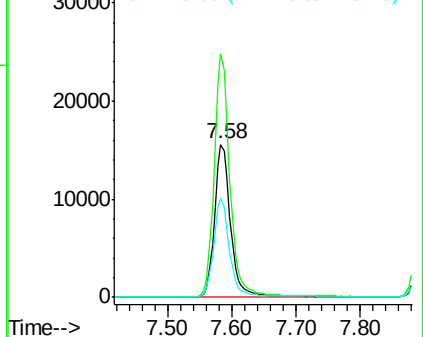
115 65.0 48.9 73.3



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

1,4-Dioxane

Concen: Below Cal

RT: 3.31 min Scan# 105

Delta R.T. 0.12 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

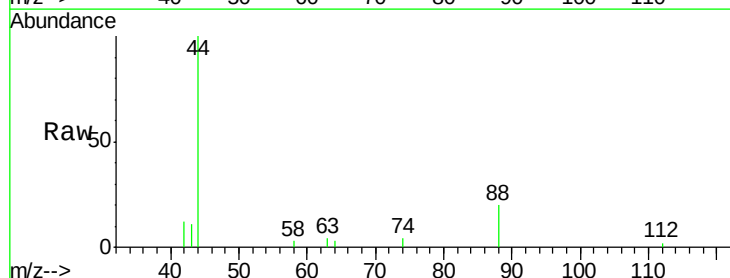
Tgt Ion: 88 Resp: 37

Ion Ratio Lower Upper

88 100

58 21.6 70.0 105.0#

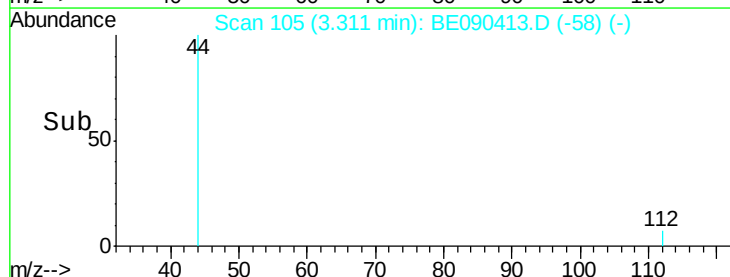
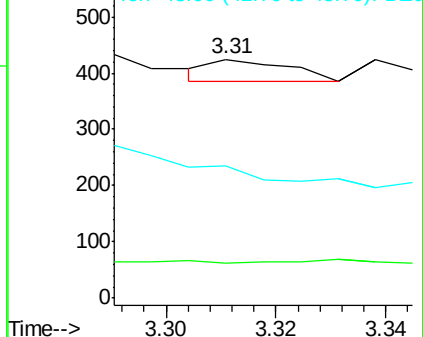
43 0.0 28.4 42.6#

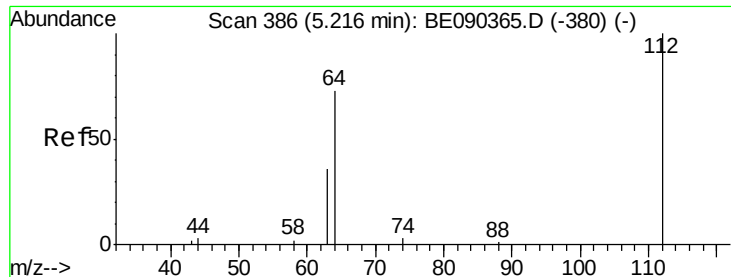


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.71 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S

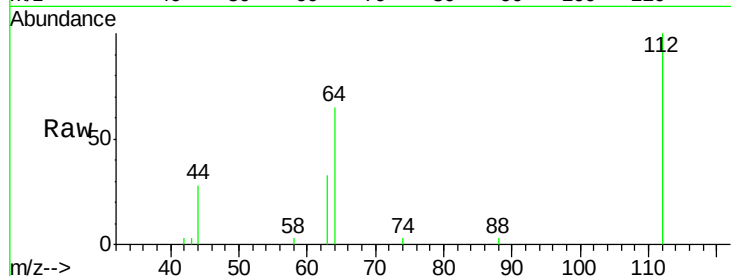
Tgt Ion: 112 Resp: 14974

Ion Ratio Lower Upper

112 100

64 71.1 37.1 55.7#

63 36.5 19.5 29.3#

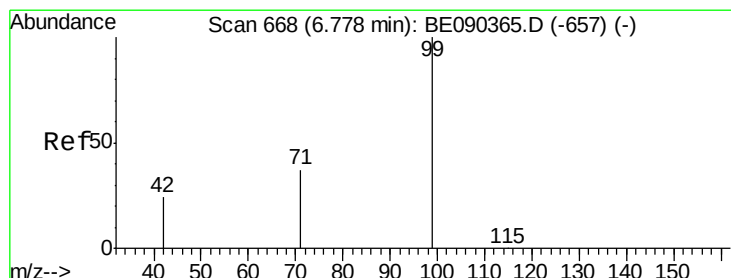
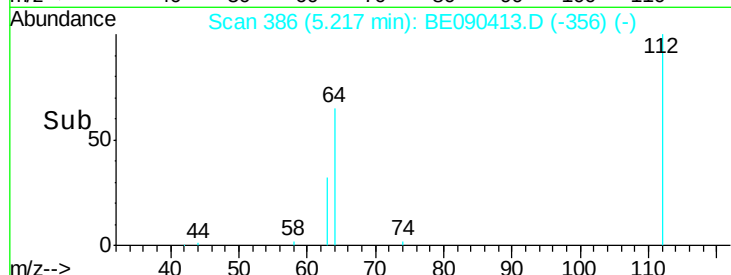
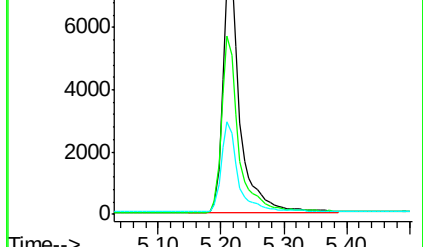


Abundance Ion 112.00 (111.70 to 112.70): BE090413.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090413.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090413.D (-356) (-)

Time-->



#5

Phenol-d6

Concen: 1.66 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

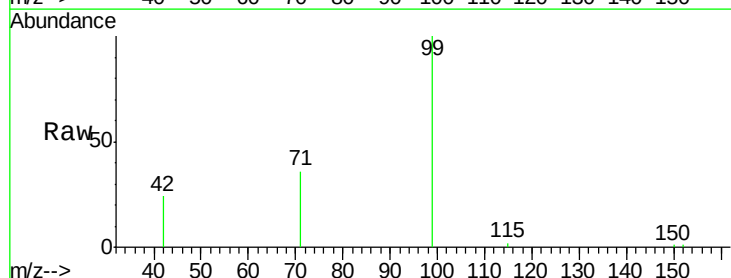
Tgt Ion: 99 Resp: 12766

Ion Ratio Lower Upper

99 100

42 21.2 18.2 27.4

71 35.6 27.4 41.0

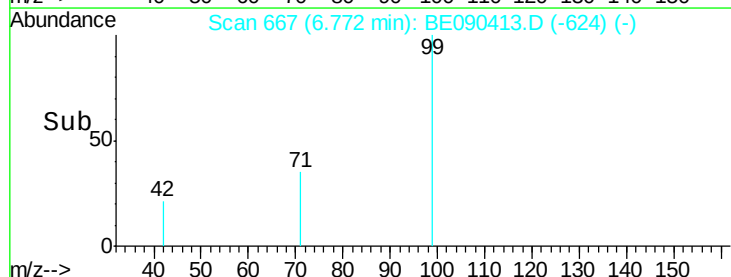
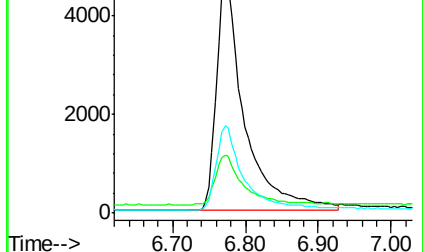


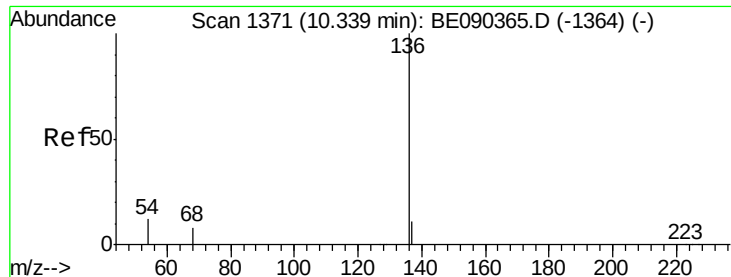
Abundance Ion 99.00 (98.70 to 99.70): BE090413.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090413.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090413.D (-624) (-)

Time-->

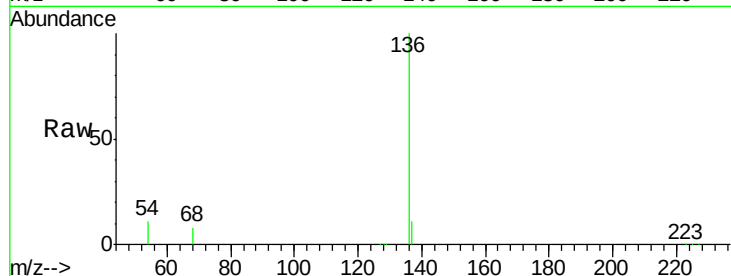




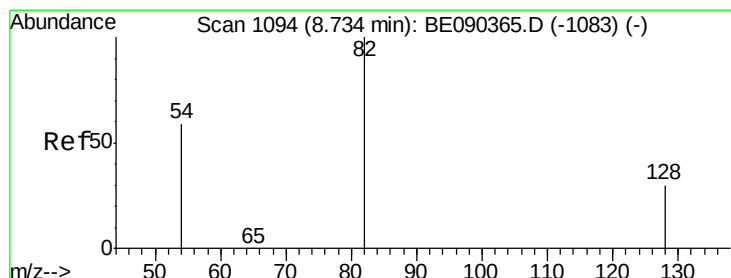
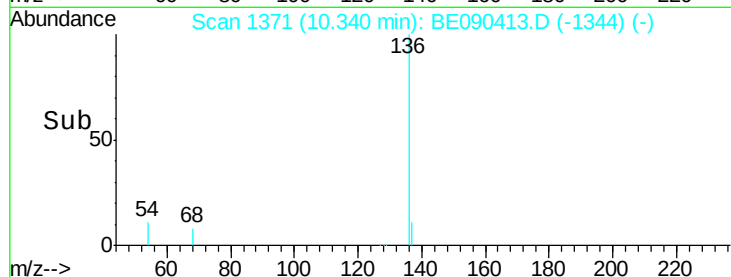
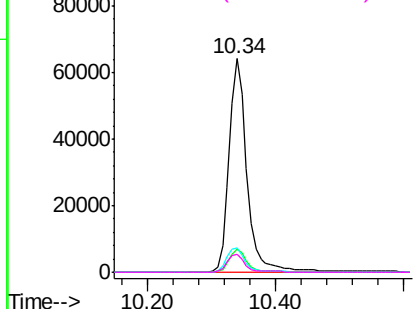
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090413.D
Acq: 10 Aug 2015 22:00

Instrument :
BNA_E
ClientSampleId :
080515-D506-F-D-S

Tgt Ion:	136	Resp:	124653
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.2	9.4	14.0
68	8.2	6.5	9.7

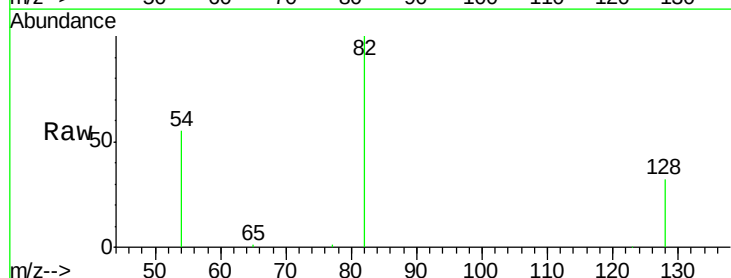


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

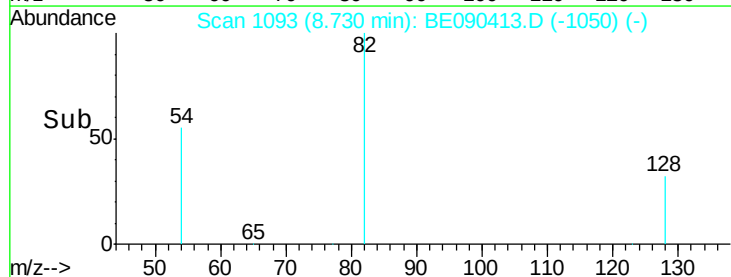
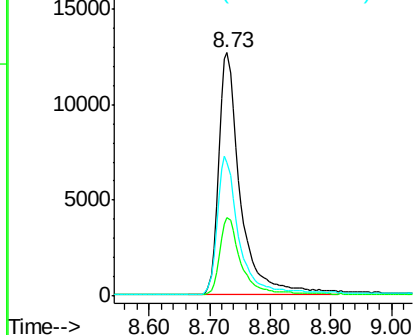


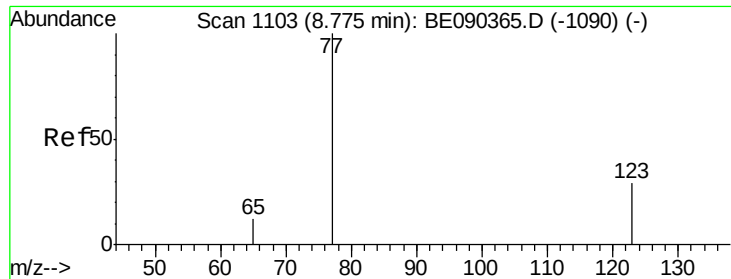
#7
Nitrobenzene-d5
Concen: 3.19 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090413.D
Acq: 10 Aug 2015 22:00

Tgt Ion:	82	Resp:	31600
Ion	Ratio	Lower	Upper
82	100		
128	32.3	25.0	37.6
54	55.0	48.8	73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0

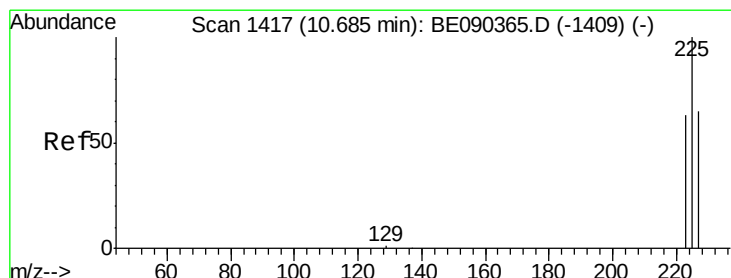
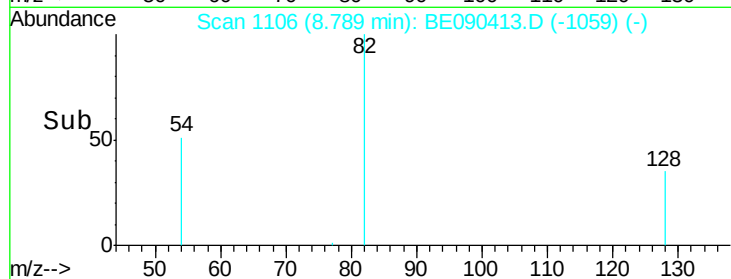
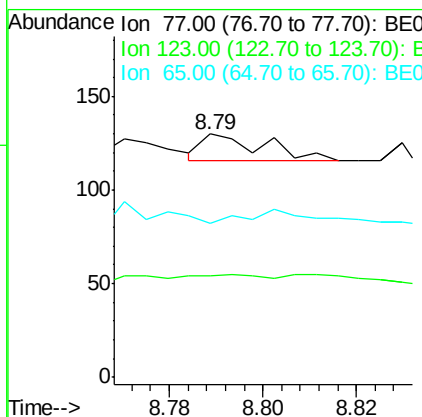
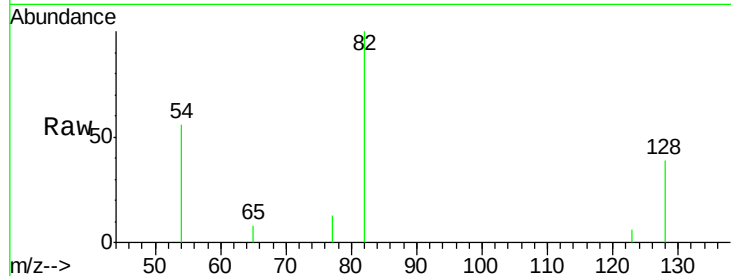




#8
 Nitrobenzene
 Concen: 0.21 ng
 RT: 8.79 min Scan# 1106
 Delta R.T. 0.01 min
 Lab File: BE090413.D
 Acq: 10 Aug 2015 22:00

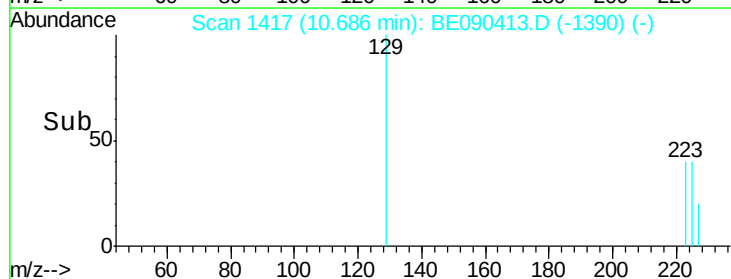
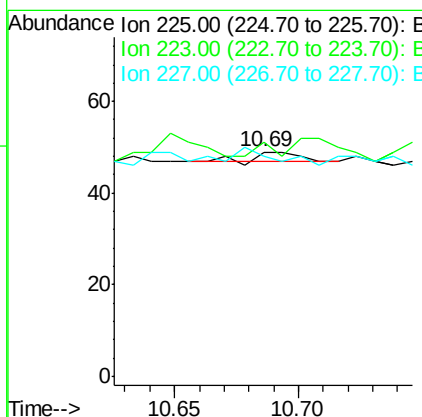
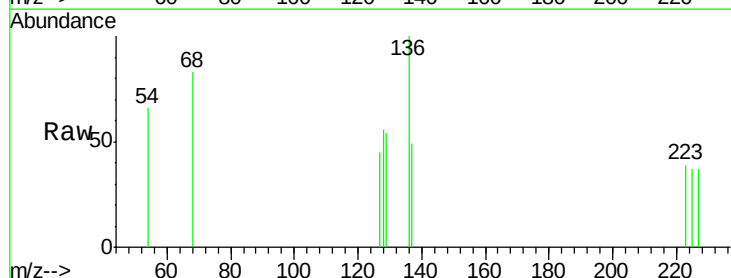
Instrument :
 BNA_E
 ClientSampleId :
 080515-D506-F-D-S

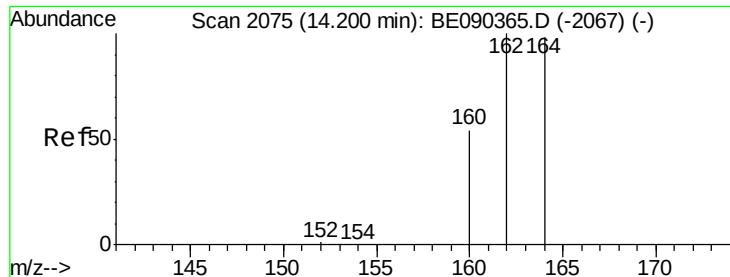
Tgt Ion: 77 Resp: 13
 Ion Ratio Lower Upper
 77 100
 123 30.8 25.1 37.7
 65 53.8 9.3 13.9#



#10
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 10.69 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: BE090413.D
 Acq: 10 Aug 2015 22:00

Tgt Ion: 225 Resp: 2
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.6 75.8#
 227 300.0 50.7 76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.01 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S

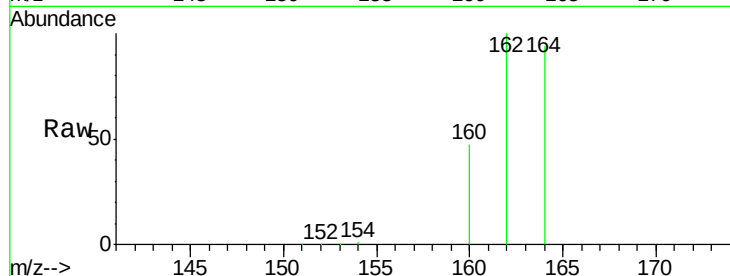
Tgt Ion:164 Resp: 72847

Ion Ratio Lower Upper

164 100

162 106.8 81.8 122.8

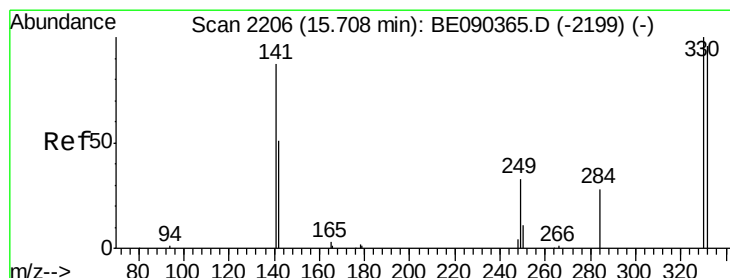
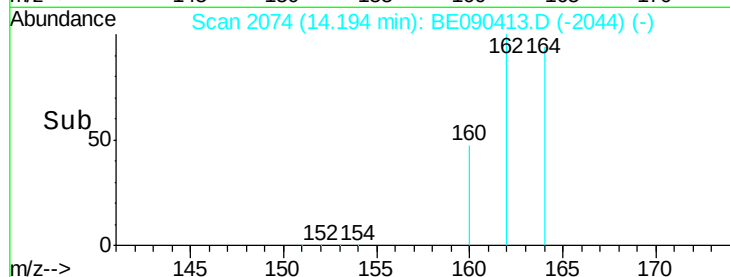
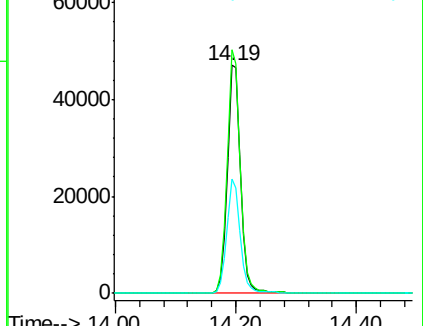
160 50.3 44.2 66.4



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



#13

2,4,6-Tribromophenol

Concen: 8.08 ng

RT: 15.69 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

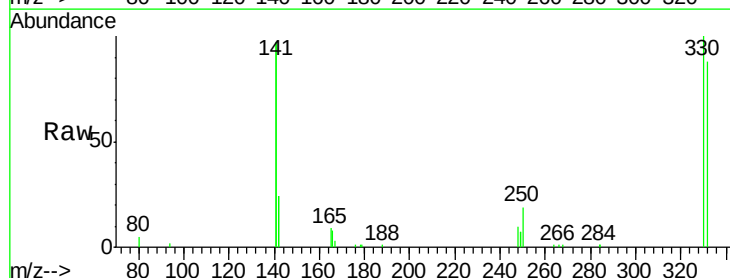
Tgt Ion:330 Resp: 18098

Ion Ratio Lower Upper

330 100

332 96.2 75.8 113.6

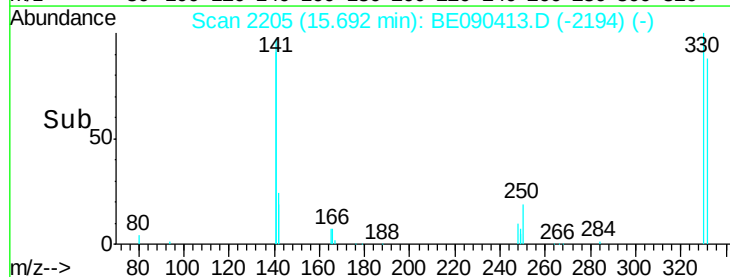
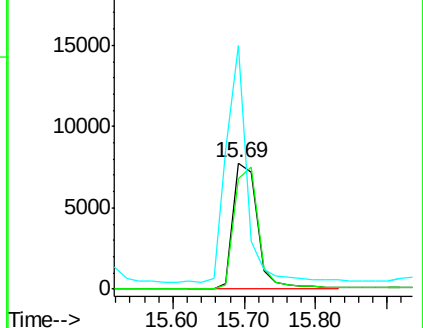
141 158.9 114.4 171.6

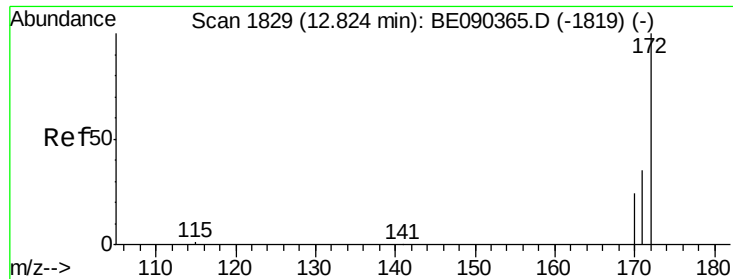


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

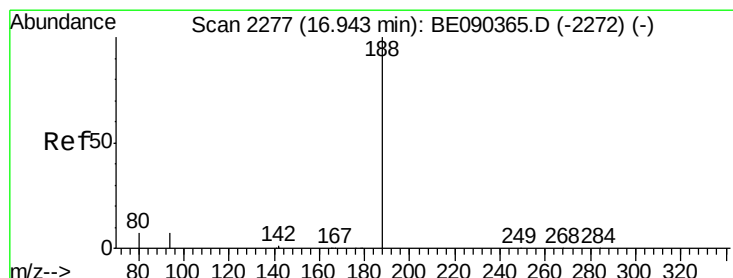
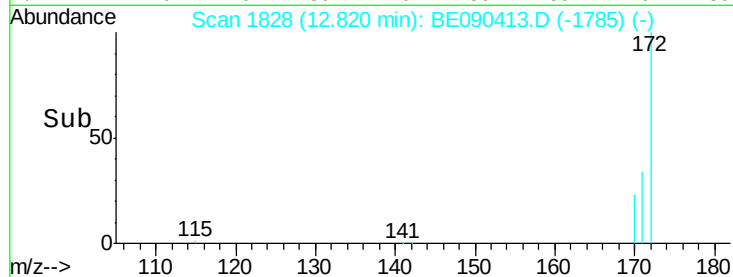
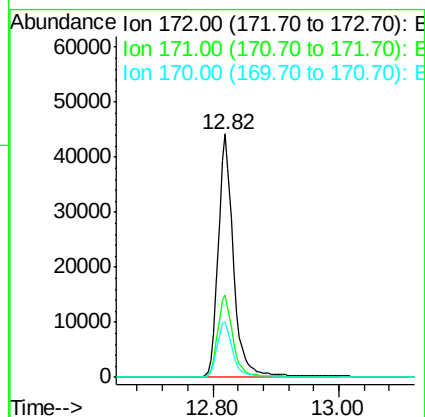
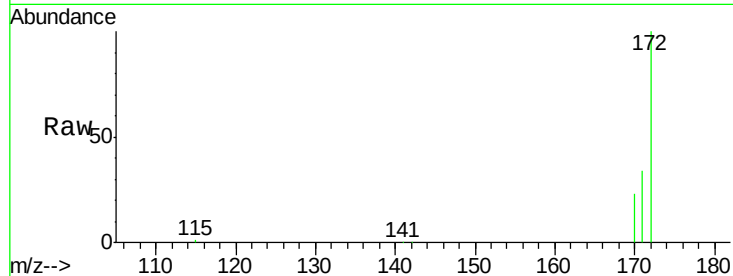




#14
2-Fluorobiphenyl
Concen: 3.70 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090413.D
Acq: 10 Aug 2015 22:00

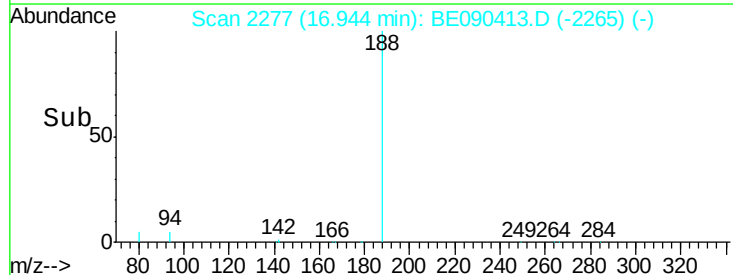
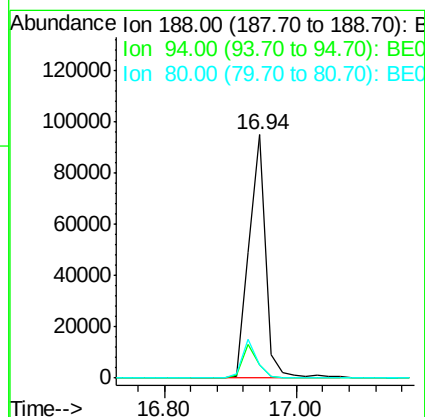
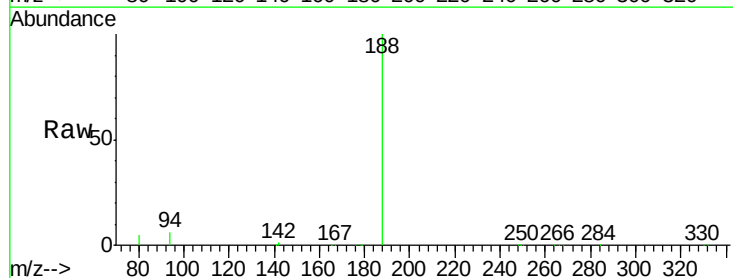
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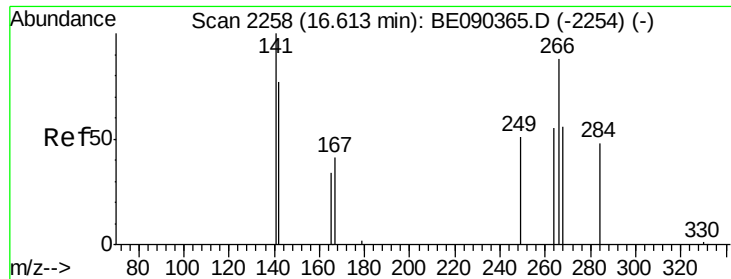
Tgt Ion:172 Resp: 74190
Ion Ratio Lower Upper
172 100
171 33.9 28.5 42.7
170 22.9 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090413.D
Acq: 10 Aug 2015 22:00

Tgt Ion:188 Resp: 166688
Ion Ratio Lower Upper
188 100
94 5.5 5.7 8.5#
80 5.5 5.8 8.8#

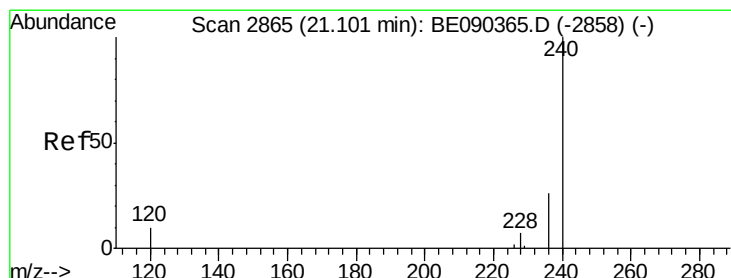
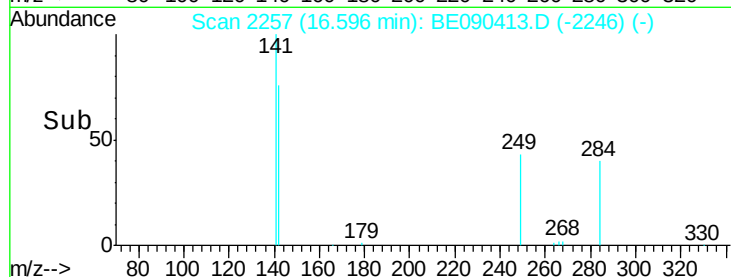
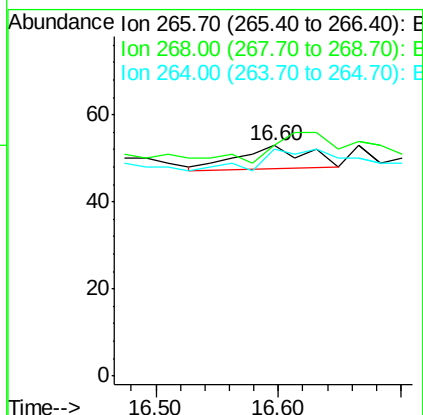
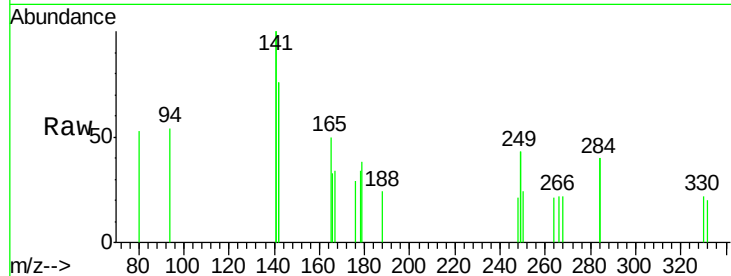




#21
 Pentachlorophenol
 Concen: 0.11 ng
 RT: 16.60 min Scan# 2257
 Delta R.T. -0.02 min
 Lab File: BE090413.D
 Acq: 10 Aug 2015 22:00

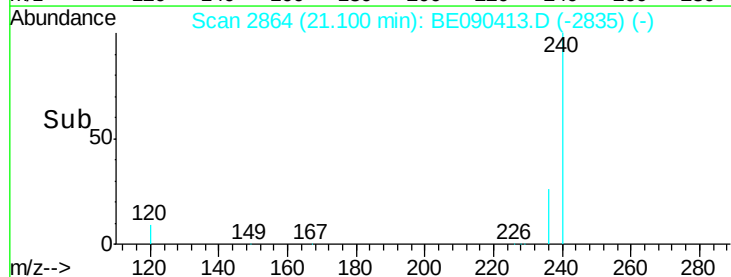
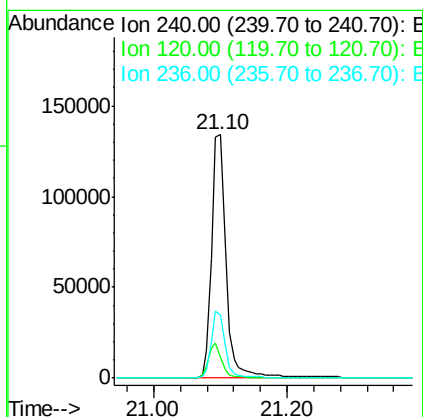
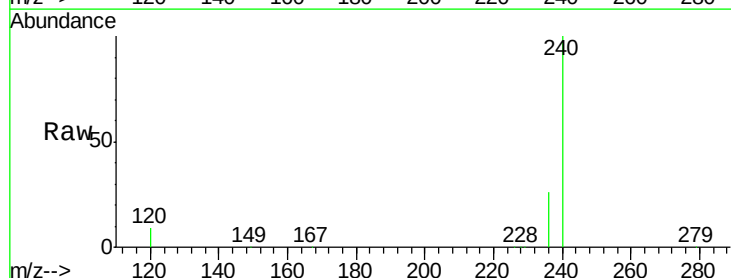
Instrument :
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 080515-D506-F-D-S

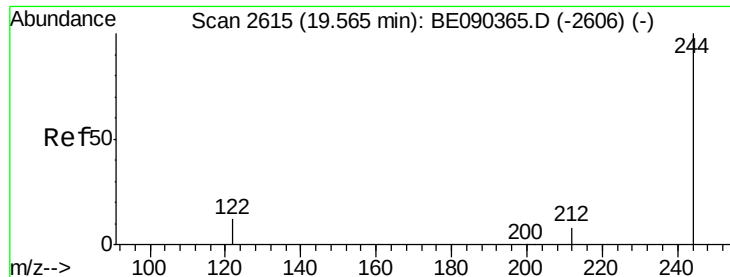
Tgt Ion: 266 Resp: 22
 Ion Ratio Lower Upper
 266 100
 268 100.0 58.5 87.7#
 264 98.1 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.10 min Scan# 2864
 Delta R.T. -0.00 min
 Lab File: BE090413.D
 Acq: 10 Aug 2015 22:00

Tgt Ion: 240 Resp: 199587
 Ion Ratio Lower Upper
 240 100
 120 8.7 8.3 12.5
 236 26.0 21.0 31.4





#27

Terphenyl-d14

Concen: 4.84 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S

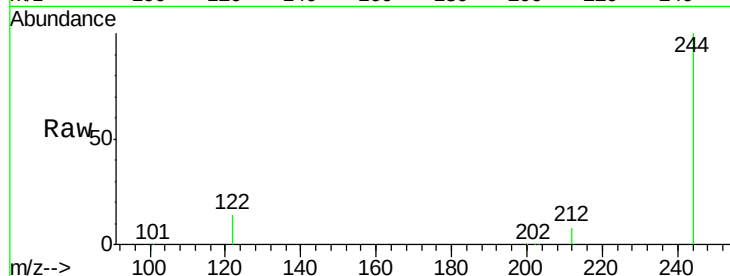
Tgt Ion:244 Resp: 142231

Ion Ratio Lower Upper

244 100

212 8.2 6.6 9.8

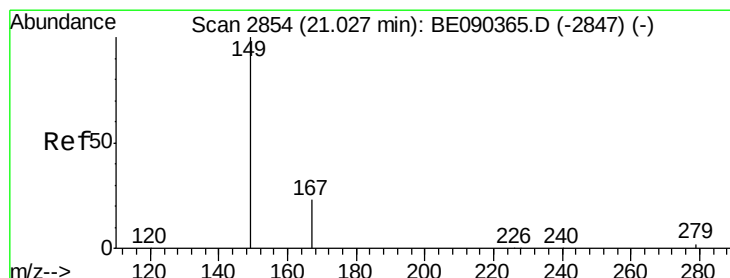
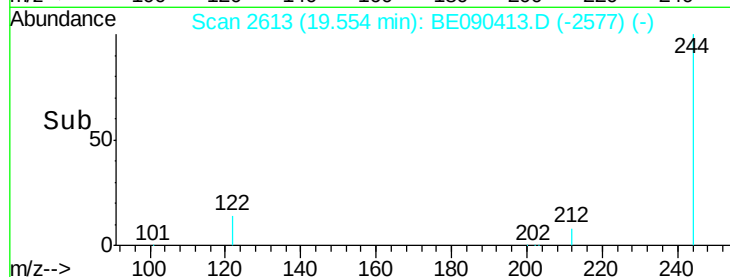
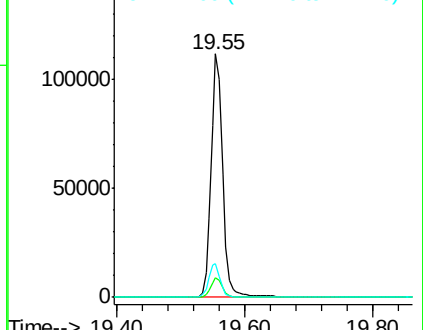
122 13.8 10.2 15.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.30 ng

RT: 21.03 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

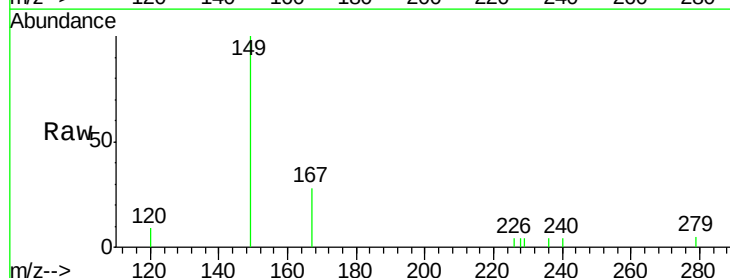
Tgt Ion:149 Resp: 1976

Ion Ratio Lower Upper

149 100

167 26.2 19.8 29.8

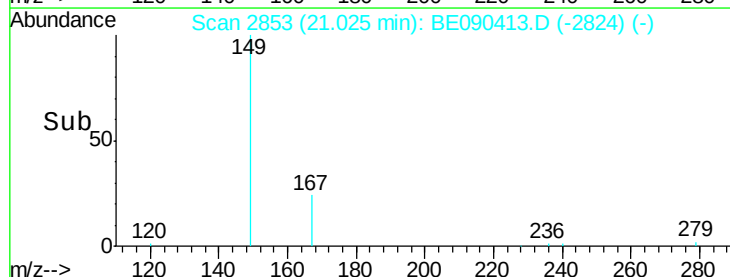
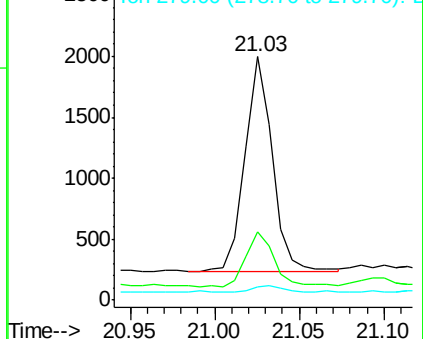
279 4.0 2.4 3.6#

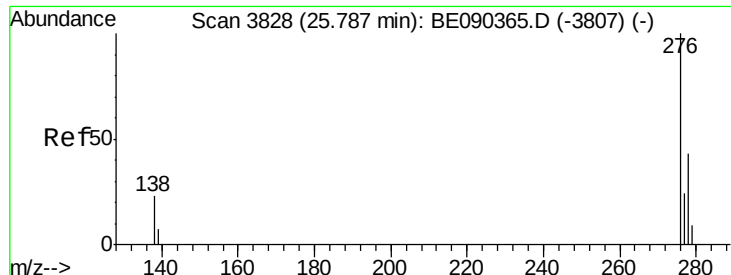


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 25.77 min Scan# 3825

Delta R.T. -0.01 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S

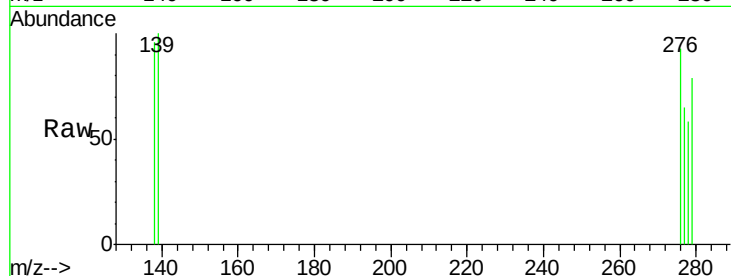
Tgt Ion:276 Resp: 83

Ion Ratio Lower Upper

276 100

138 36.1 18.8 28.2#

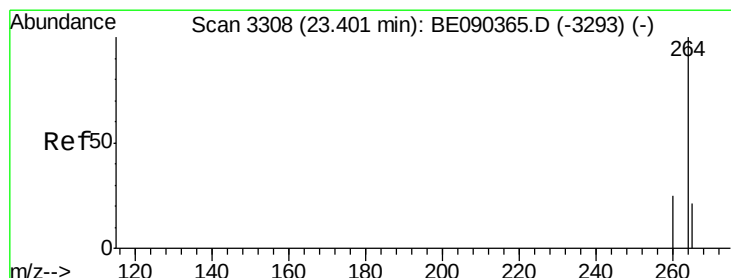
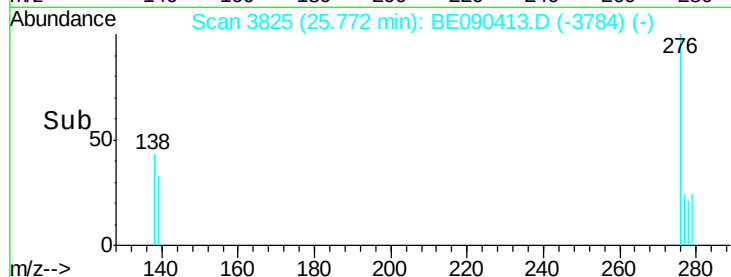
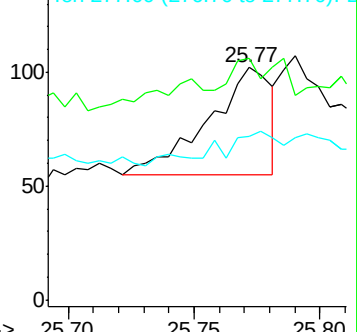
277 26.5 18.2 27.4



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

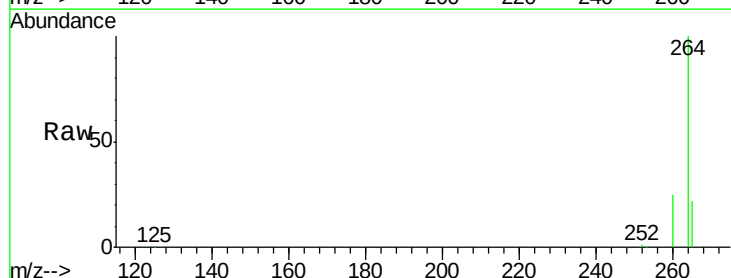
Tgt Ion:264 Resp: 186322

Ion Ratio Lower Upper

264 100

260 25.2 20.1 30.1

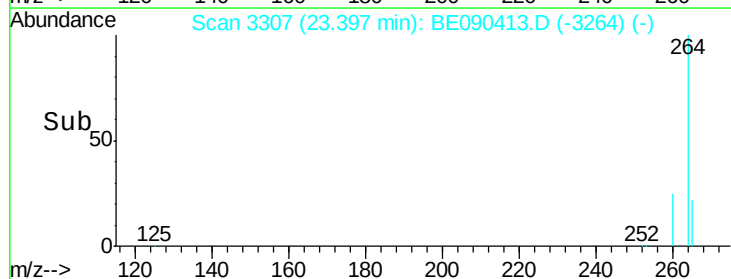
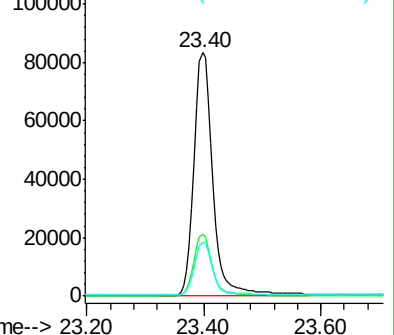
265 22.2 17.2 25.8

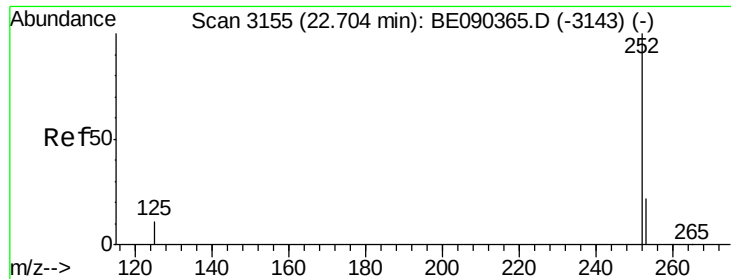


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S

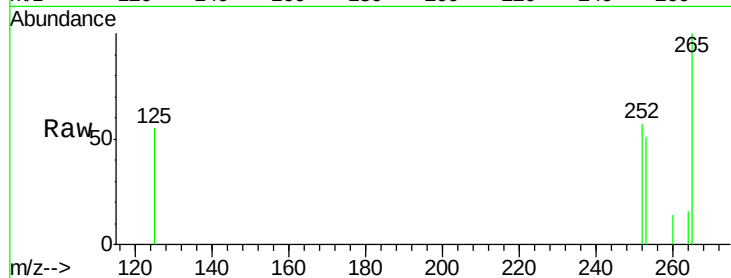
Tgt Ion:252 Resp: 309

Ion Ratio Lower Upper

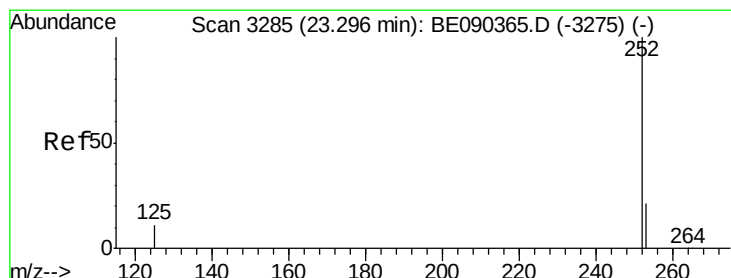
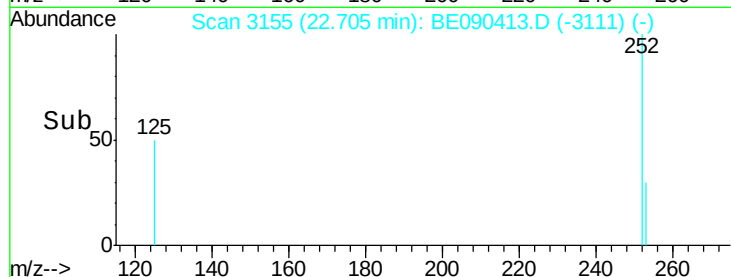
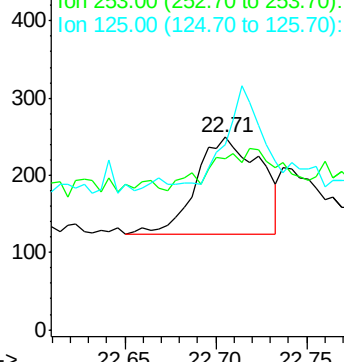
252 100

253 89.2 18.1 27.1#

125 96.4 9.4 14.2#



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



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090413.D

Acq: 10 Aug 2015 22:00

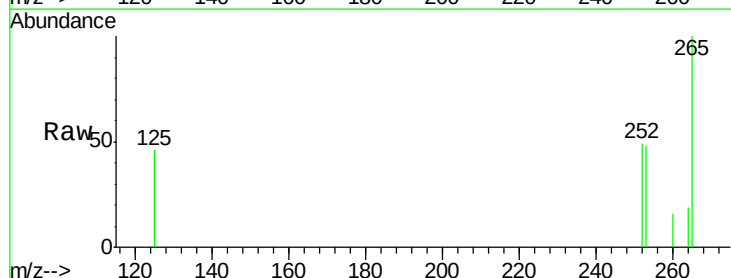
Tgt Ion:252 Resp: 189

Ion Ratio Lower Upper

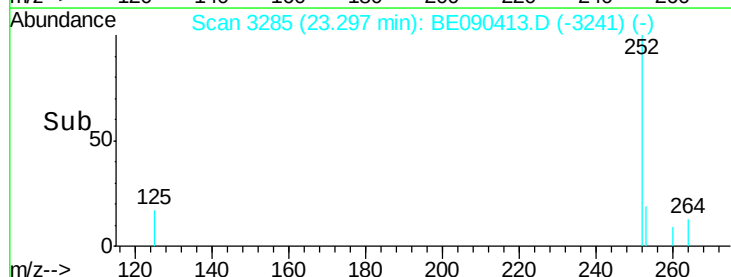
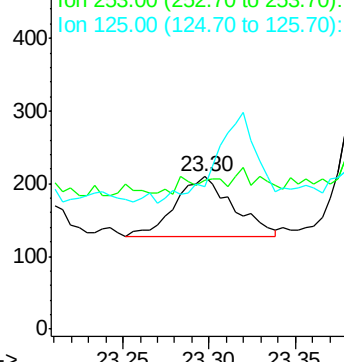
252 100

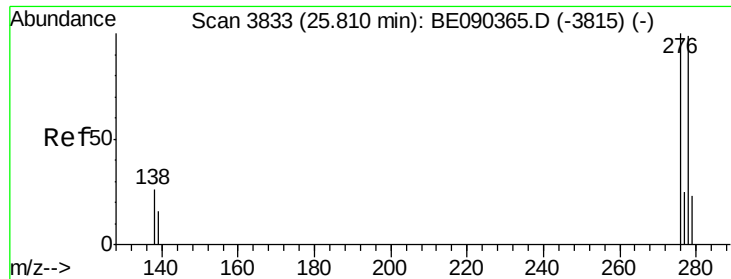
253 97.6 17.6 26.4#

125 93.3 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.80 min Scan# 3832

Delta R.T. -0.01 min

Lab File: BE090413.D

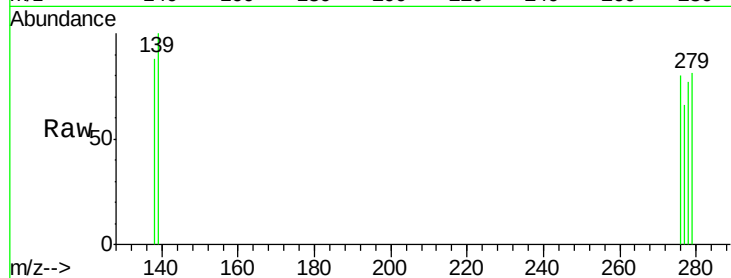
Acq: 10 Aug 2015 22:00

Instrument :

BNA_E

ClientSampleId :

080515-D506-F-D-S



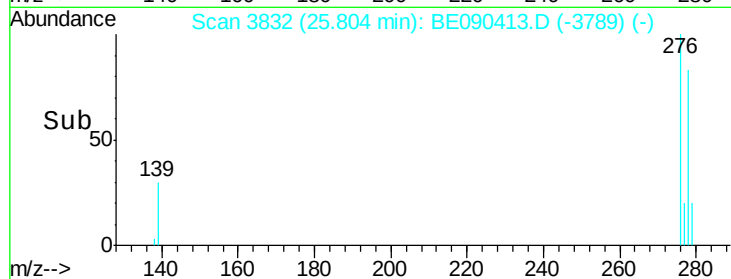
Tgt Ion: 278 Resp: 54

Ion Ratio Lower Upper

278 100

139 129.3 14.2 21.4#

279 104.9 20.1 30.1#



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

150

100

25.80

50

0

Time-->