

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE100716\
 Data File : BE092450.D
 Acq On : 7 Oct 2016 17:10
 Operator : UM/SJ
 Sample : PB93506BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93506BL

Quant Time: Oct 07 22:57:56 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

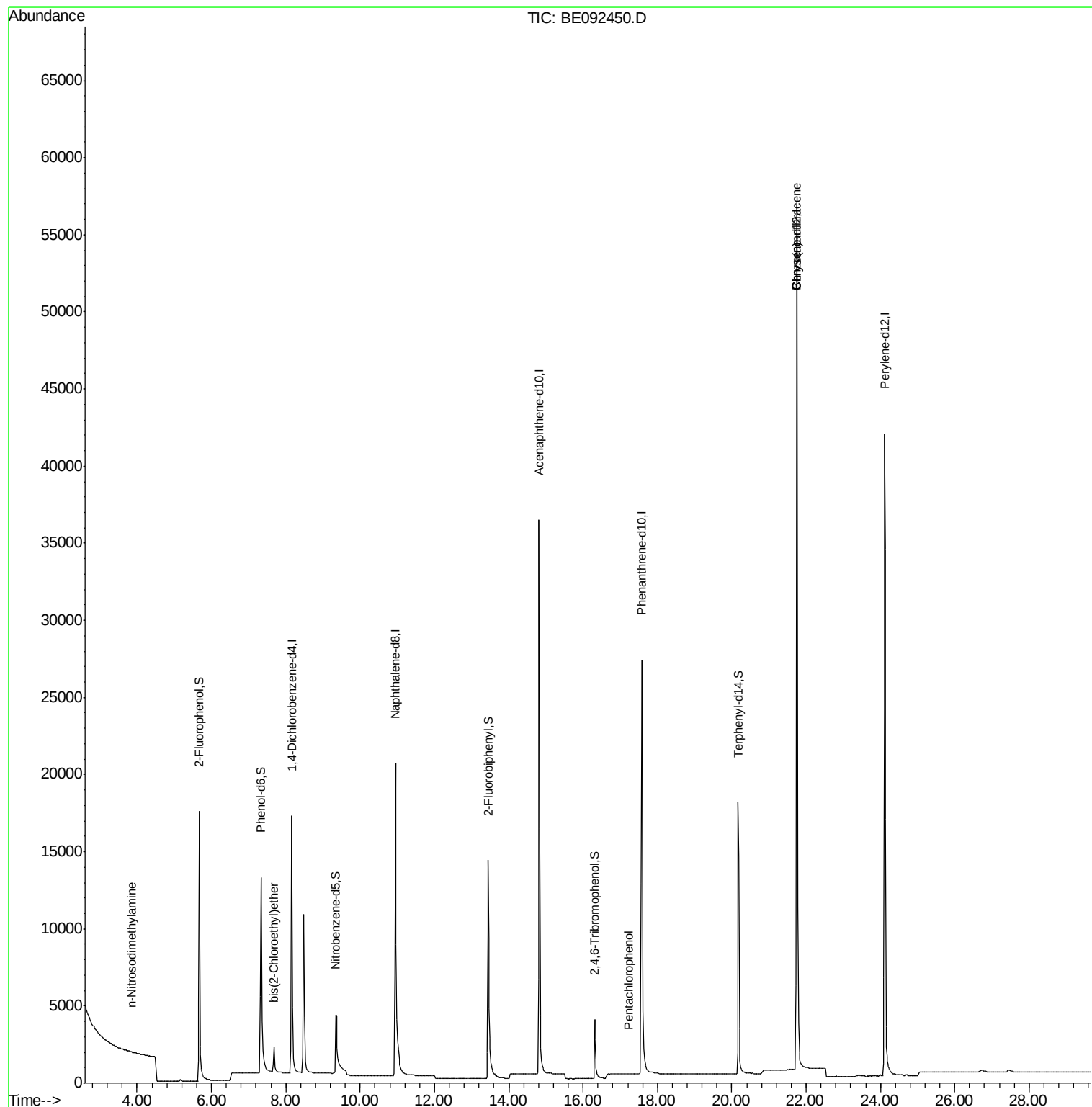
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	9850	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	39791	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	27006	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	52425	5.00	ng	0.02
24) Chrysene-d12	21.75	240	74264	5.00	ng	0.00
31) Perylene-d12	24.11	264	66001	5.00	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	16491	7.11	ng	-0.02
5) Phenol-d6	7.33	99	19845	6.00	ng	-0.02
8) Nitrobenzene-d5	9.34	82	8023	2.87	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	3731	3.98	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	22349	3.50	ng	0.00
26) Terphenyl-d14	20.17	244	31451	3.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	9	Below Cal	#	19
3) n-Nitrosodimethylamine	3.86	42	1	0.19 ng	#	2
6) bis(2-Chloroethyl)ether	7.68	93	33	0.10 ng	#	1
20) Pentachlorophenol	17.23	266	6	0.18 ng	#	72
27) Benzo(a)anthracene	21.75	228	1788	0.02 ng	#	61
28) Chrysene	21.75	228	1818	0.03 ng	#	67

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

Instrument :

BNA_E

ClientSampleId :

PB93506BL

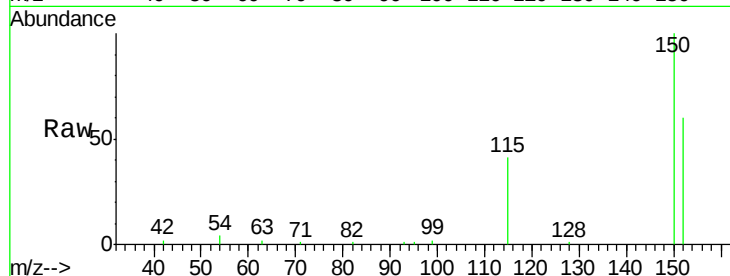
Tgt Ion:152 Resp: 9850

Ion Ratio Lower Upper

152 100

150 166.3 106.0 159.0#

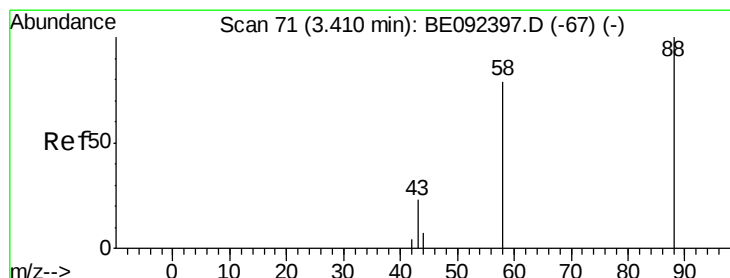
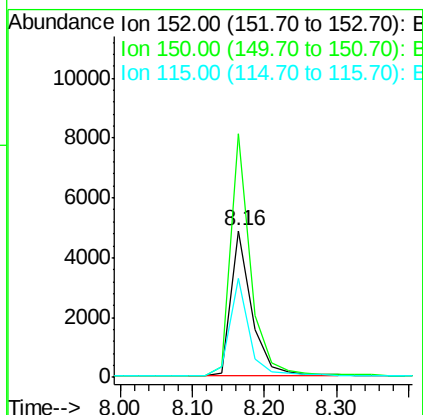
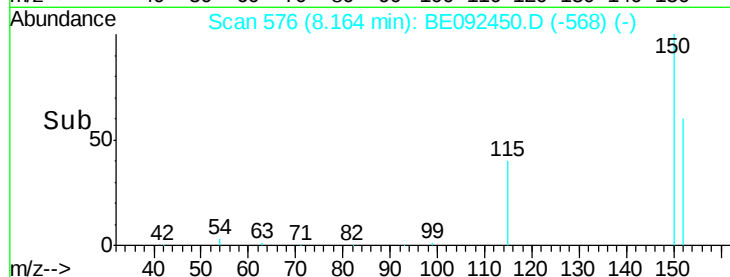
115 67.7 31.2 46.8#



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: 3.47 min Scan# 76

Delta R.T. 0.05 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

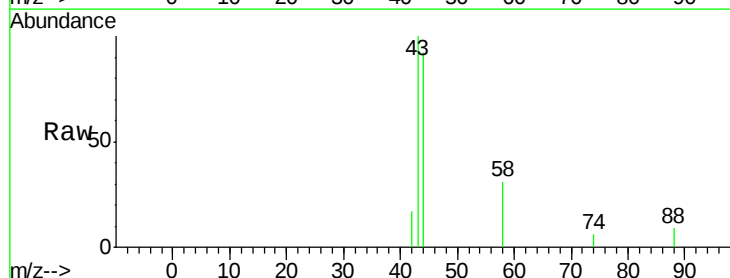
Tgt Ion: 88 Resp: 9

Ion Ratio Lower Upper

88 100

58 0.0 63.6 95.4#

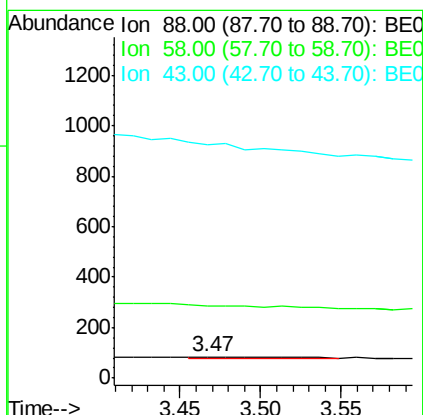
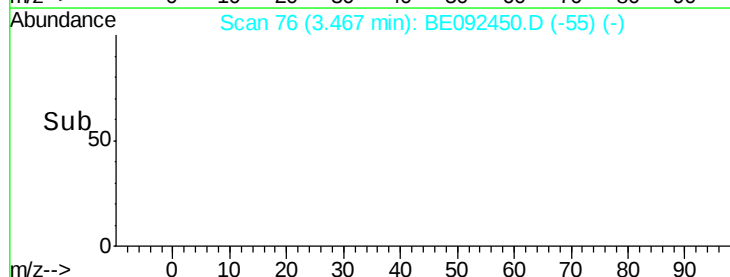
43 0.0 28.0 42.0#

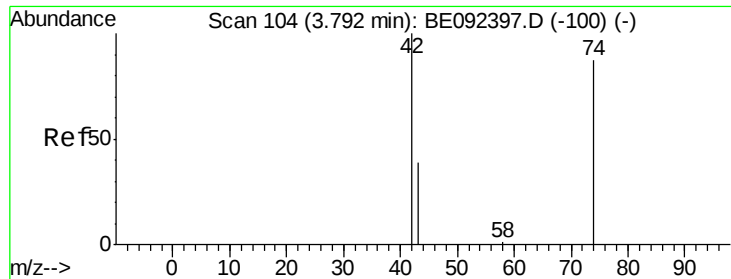


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.19 ng

RT: 3.86 min Scan# 110

Delta R.T. 0.06 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

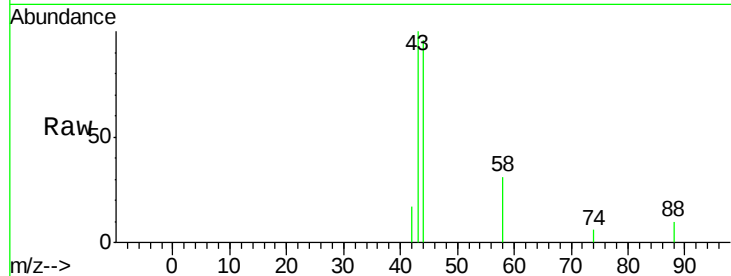
Instrument :

BNA_E

ClientSampleId :

PB93506BL

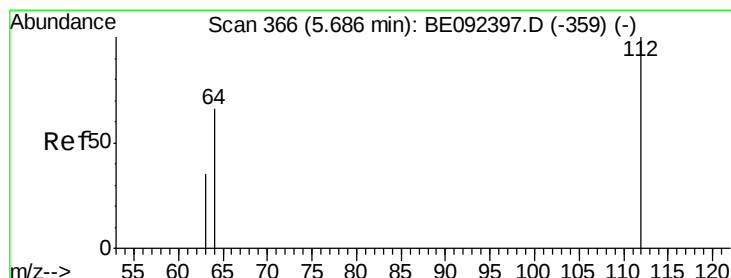
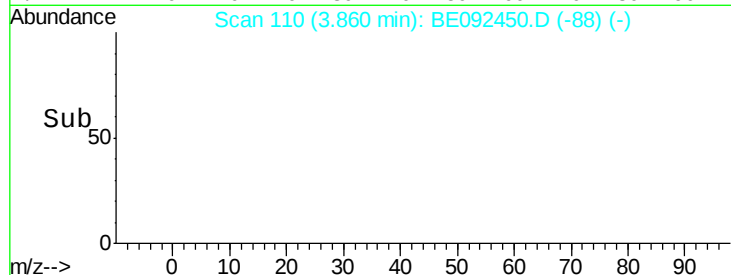
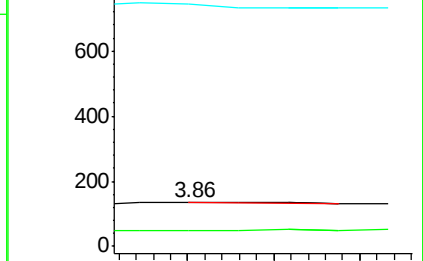
Tgt Ion:	42	Resp:	1
Ion	Ratio	Lower	Upper
42	100		
74	0.0	86.0	129.0#
44	0.0	5.1	7.7#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 7.11 ng

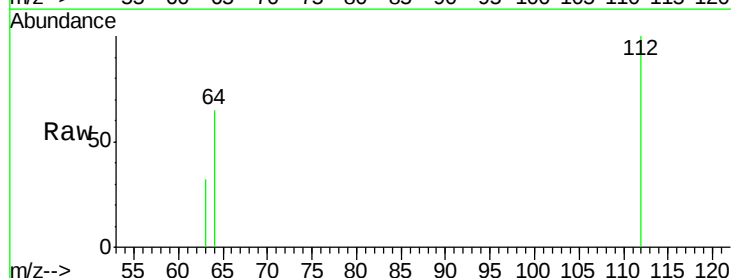
RT: 5.67 min Scan# 363

Delta R.T. -0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

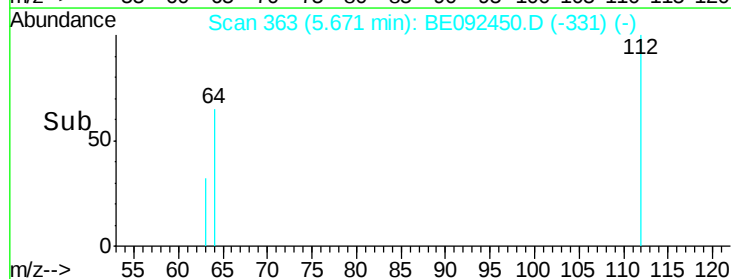
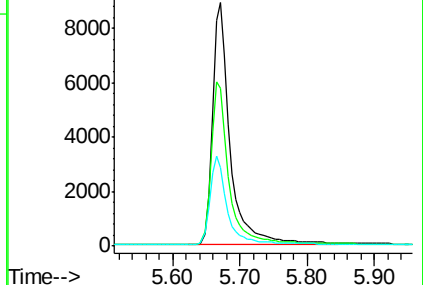
Tgt Ion:	112	Resp:	16491
Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.5	80.3
63	36.4	27.9	41.9



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





#5

Phenol-d6

Concen: 6.00 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

Instrument :

BNA_E

ClientSampled :

PB93506BL

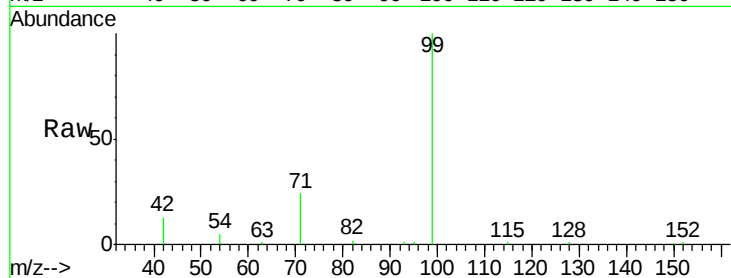
Tgt Ion: 99 Resp: 19845

Ion Ratio Lower Upper

99 100

42 0.0 16.0 24.0#

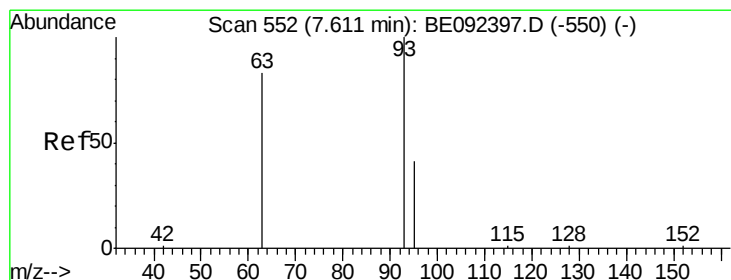
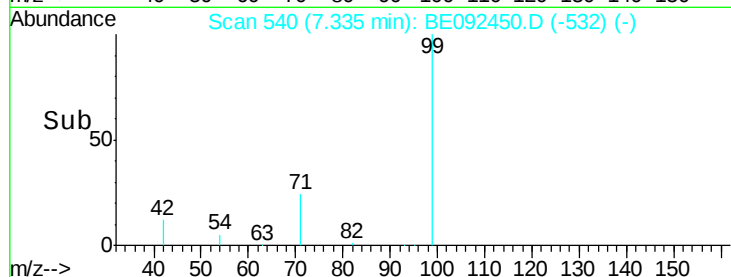
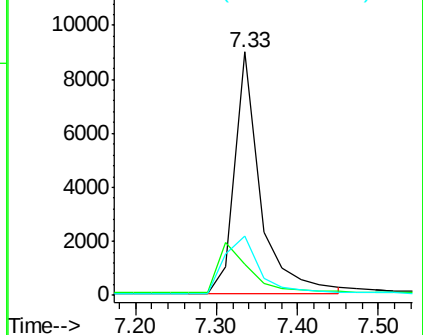
71 33.5 30.6 45.8



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.10 ng

RT: 7.68 min Scan# 555

Delta R.T. 0.07 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

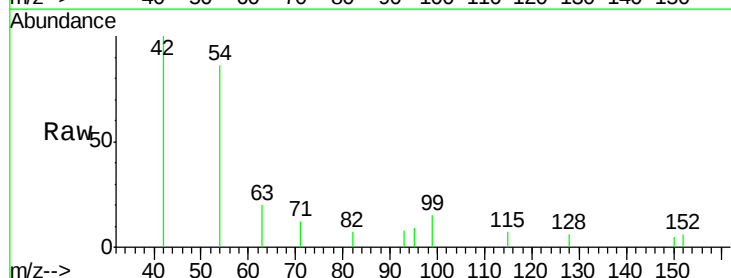
Tgt Ion: 93 Resp: 33

Ion Ratio Lower Upper

93 100

63 648.5 71.6 107.4#

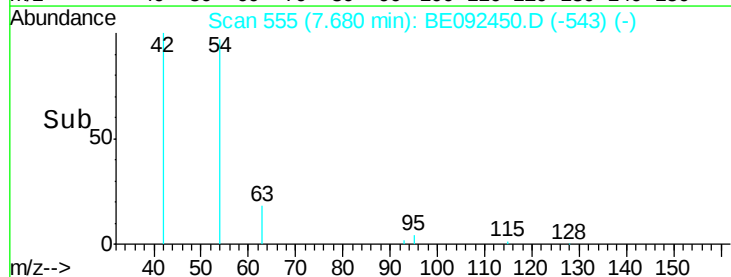
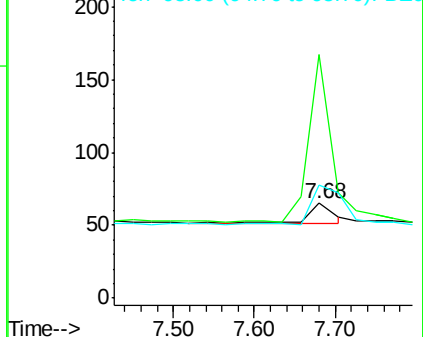
95 221.2 24.0 36.0#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

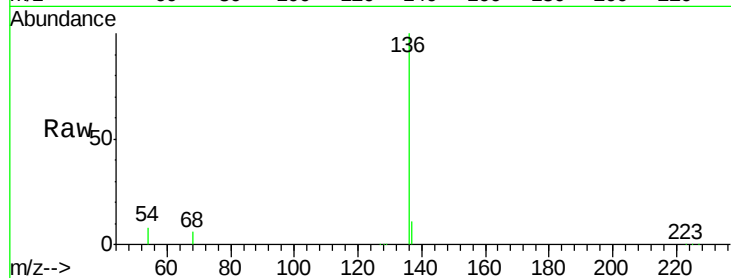
Instrument :

BNA_E

ClientSampleId :

PB93506BL

Tgt Ion:	136	Resp:	39791
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.2	12.4
54	8.1	9.6	14.4#
68	5.8	6.7	10.1#

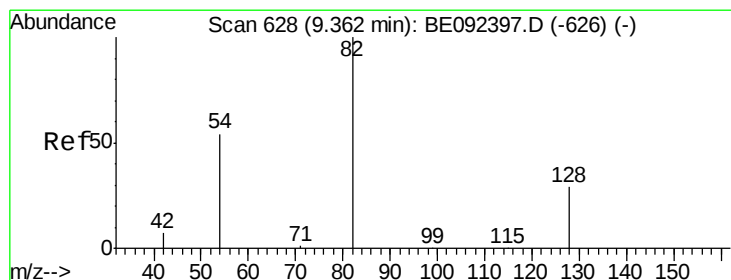
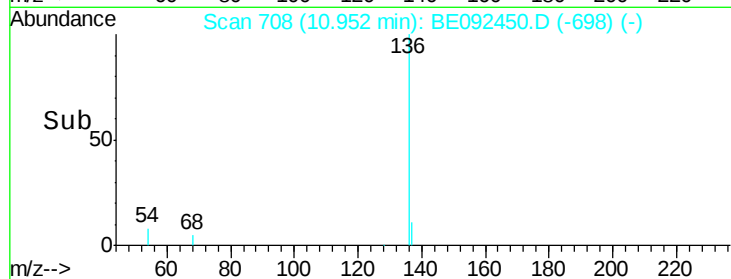
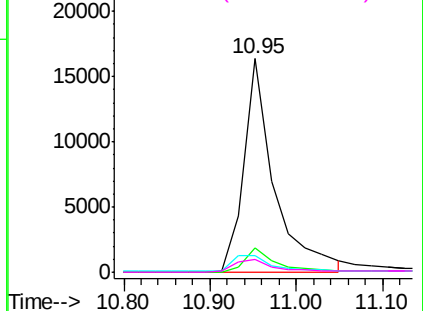


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 2.87 ng

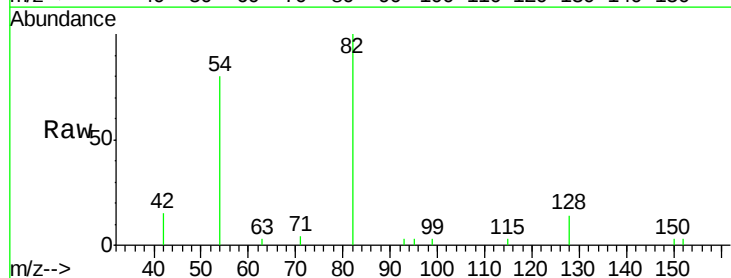
RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

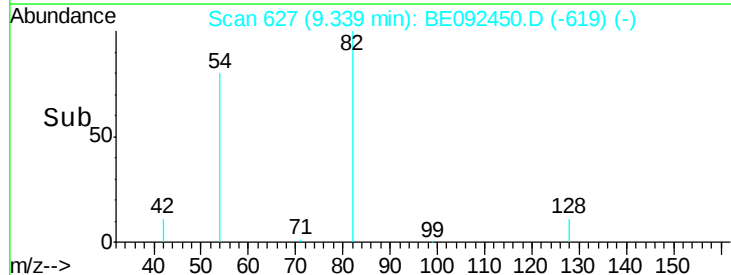
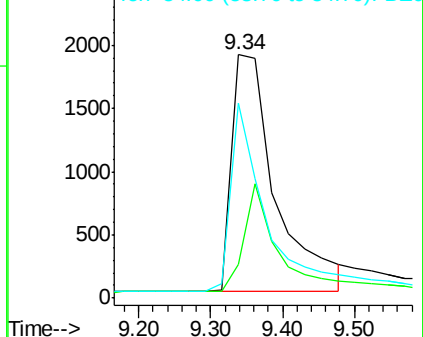
Tgt Ion:	82	Resp:	8023
Ion	Ratio	Lower	Upper
82	100		
128	13.6	39.0	58.4#
54	80.2	44.8	67.2#

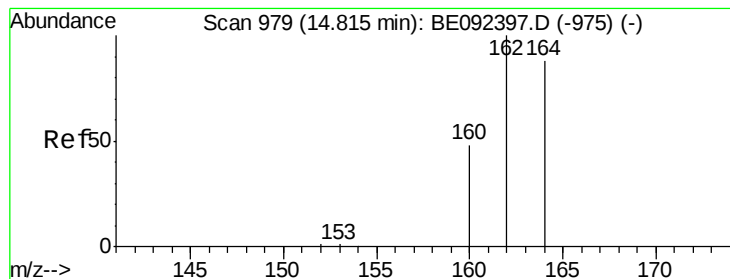


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.82 min Scan# 980

Delta R.T. 0.00 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

Instrument :

BNA_E

ClientSampleId :

PB93506BL

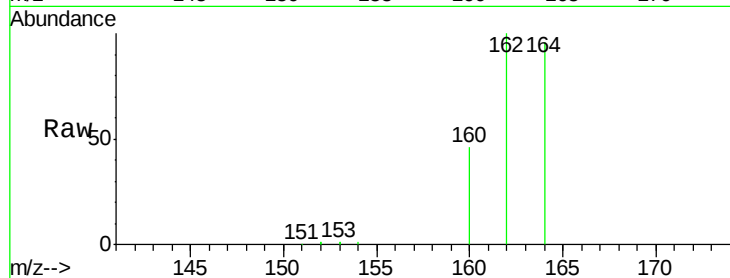
Tgt Ion:164 Resp: 27006

Ion Ratio Lower Upper

164 100

162 103.9 71.4 107.0

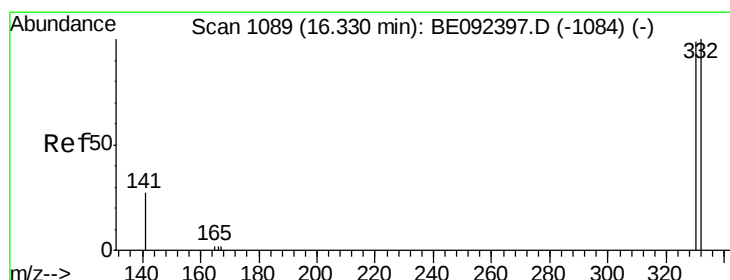
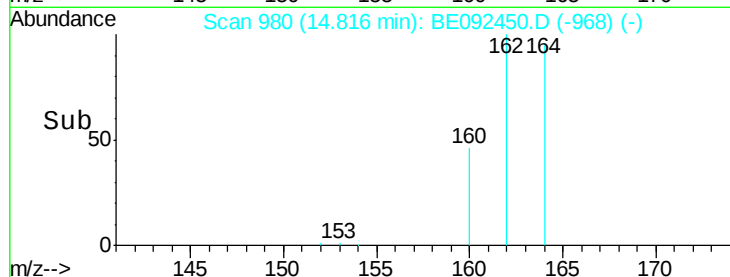
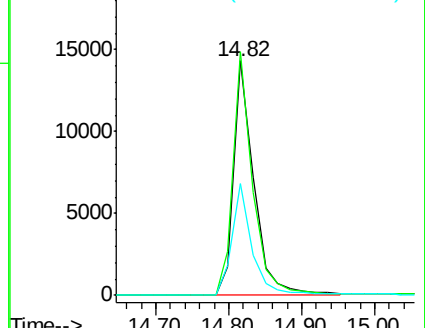
160 47.6 27.4 41.2#



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: 3.98 ng

RT: 16.32 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

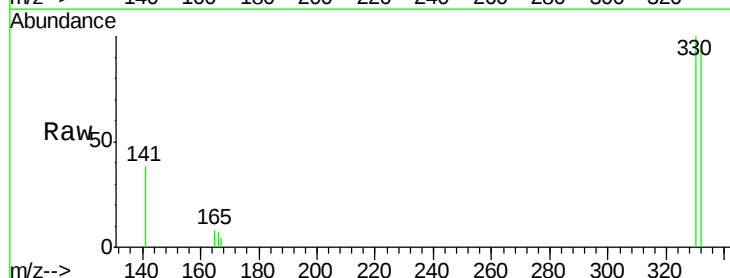
Tgt Ion:330 Resp: 3731

Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.0

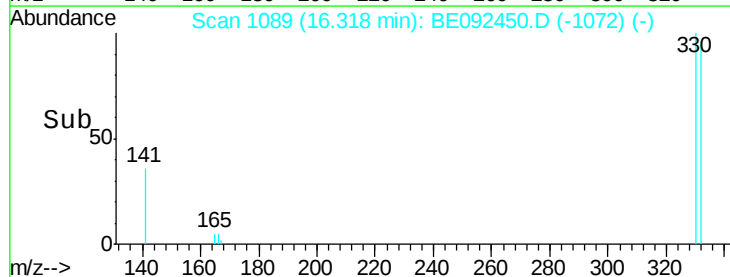
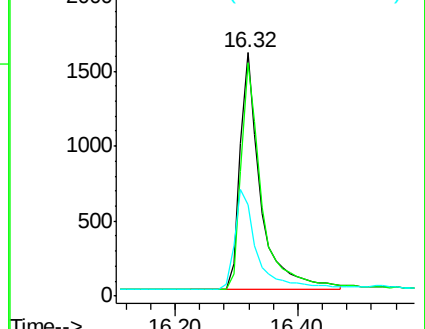
141 44.5 31.0 46.6

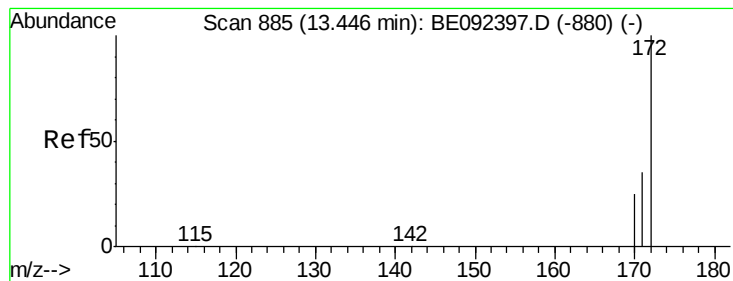


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

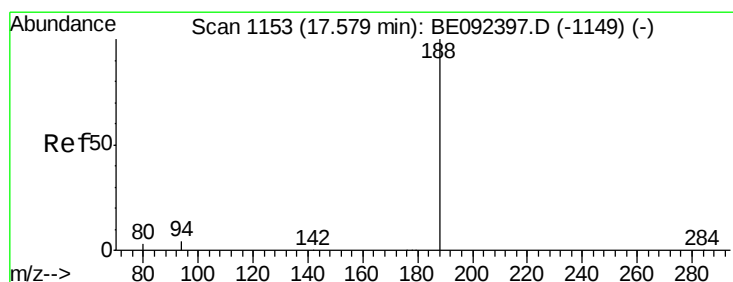
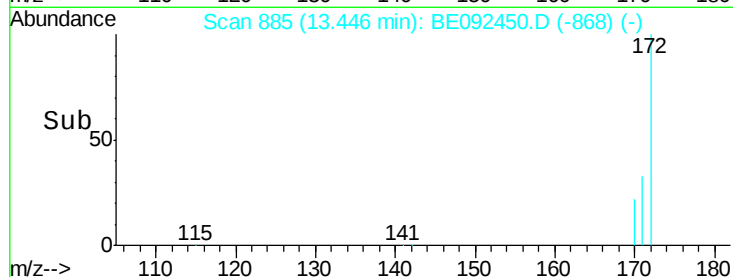
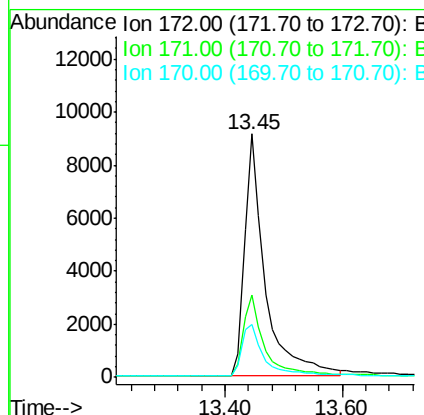
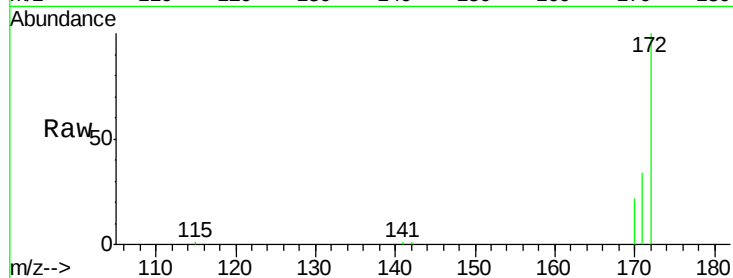




#14
 2-Fluorobiphenyl
 Concen: 3.50 ng
 RT: 13.45 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BE092450.D
 Acq: 7 Oct 2016 17:10

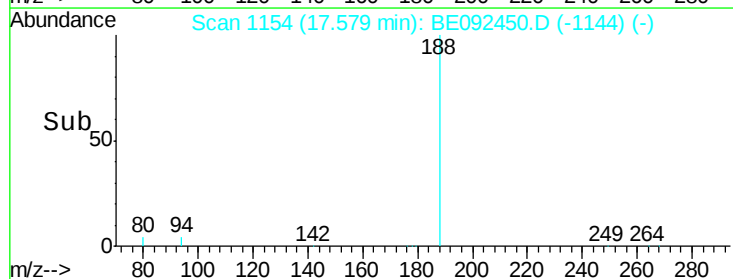
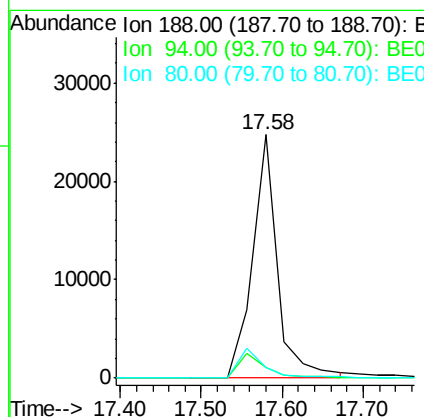
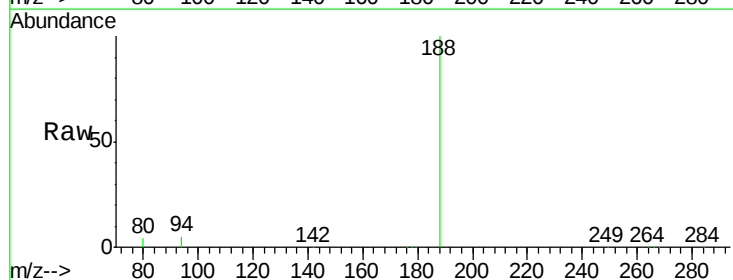
Instrument :
 BNA_E
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 PB93506BL

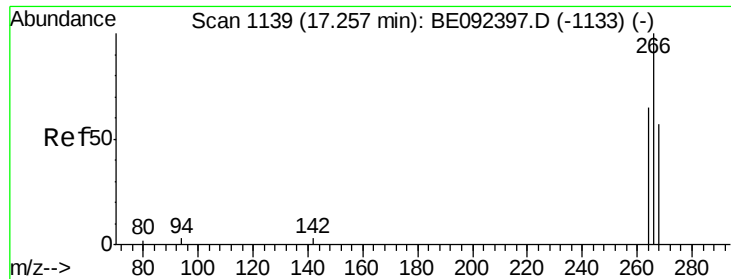
Tgt Ion:172 Resp: 22349
 Ion Ratio Lower Upper
 172 100
 171 33.8 30.1 45.1
 170 22.0 21.8 32.6



#18
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092450.D
 Acq: 7 Oct 2016 17:10

Tgt Ion:188 Resp: 52425
 Ion Ratio Lower Upper
 188 100
 94 4.6 3.2 4.8
 80 4.3 2.6 3.8#





#20

Pentachlorophenol

Concen: 0.18 ng

RT: 17.23 min Scan# 1139

Delta R.T. -0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

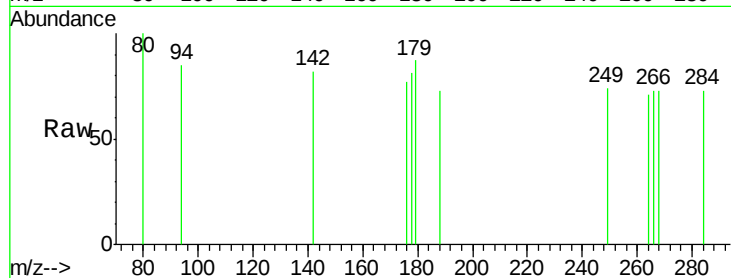
Instrument :

BNA_E

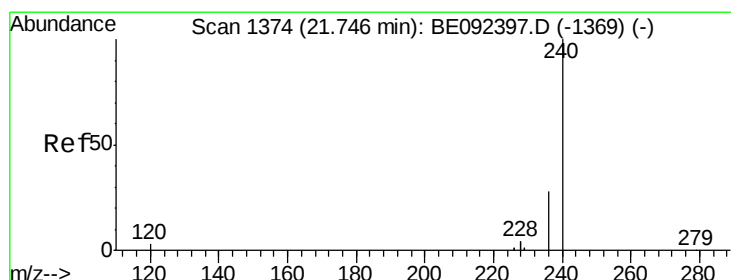
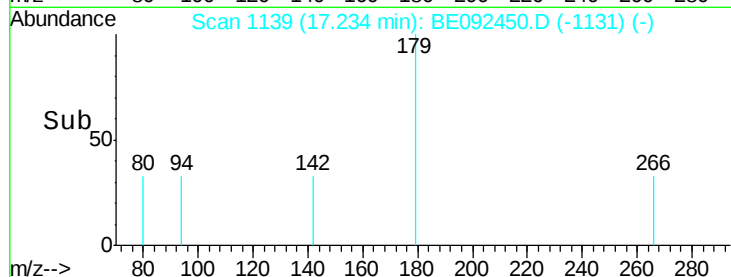
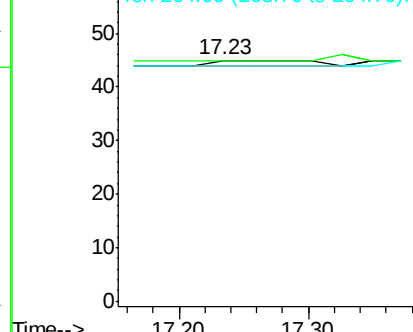
ClientSampleId :

PB93506BL

Tgt Ion:	266	Resp:	6
Ion	Ratio	Lower	Upper
266	100		
268	100.0	62.5	93.7#
264	97.8	57.2	85.8#



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



#24

Chrysene-d12

Concen: 5.00 ng

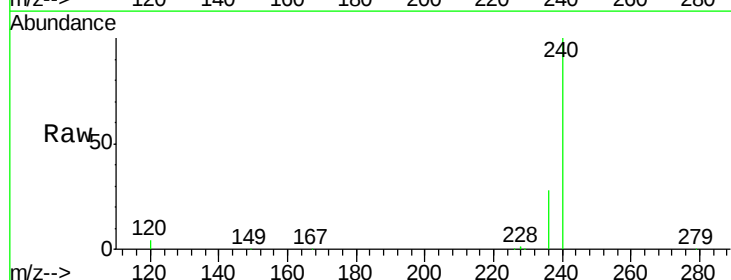
RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

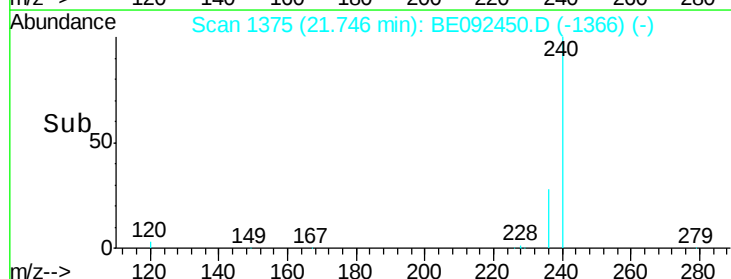
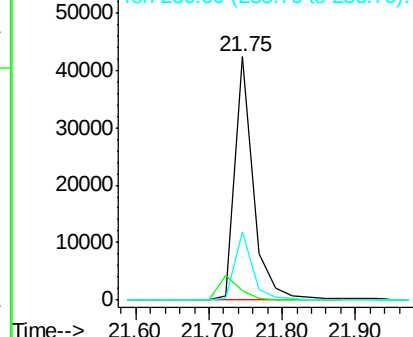
Lab File: BE092450.D

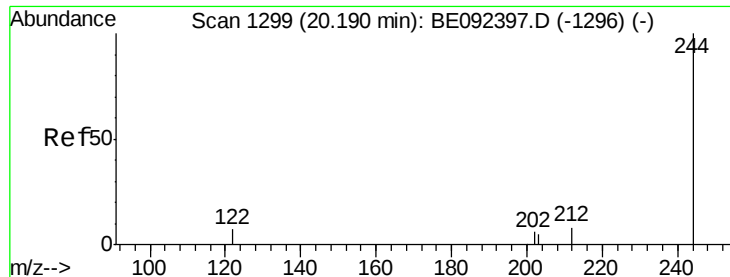
Acq: 7 Oct 2016 17:10

Tgt Ion:	240	Resp:	74264
Ion	Ratio	Lower	Upper
240	100		
120	3.6	2.6	4.0
236	27.9	24.6	37.0



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





#26

Terphenyl-d14

Concen: 3.41 ng

RT: 20.17 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

Instrument :

BNA_E

ClientSampled :

PB93506BL

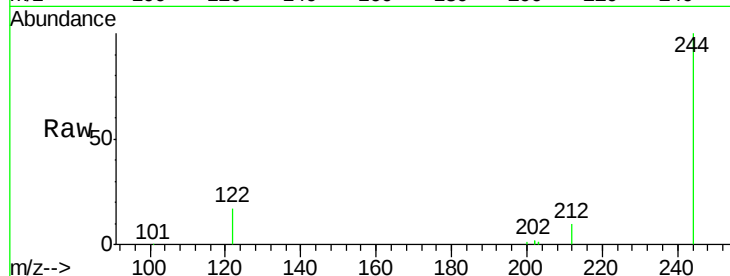
Tgt Ion:244 Resp: 31451

Ion Ratio Lower Upper

244 100

212 10.1 6.7 10.1

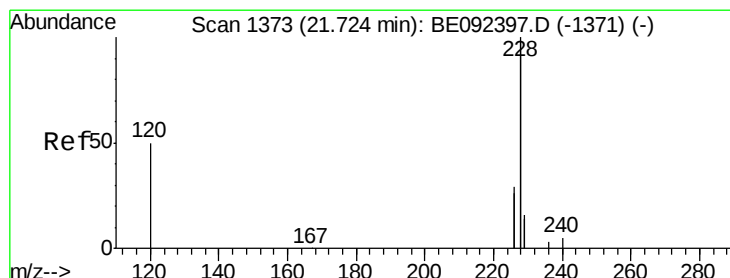
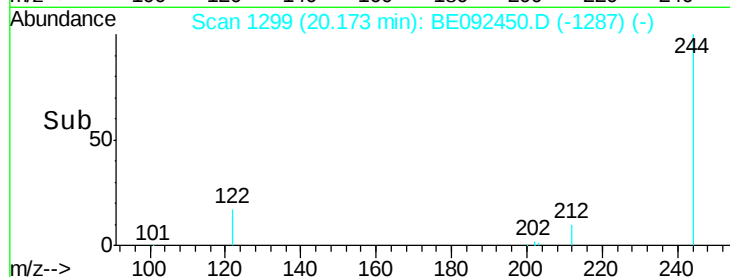
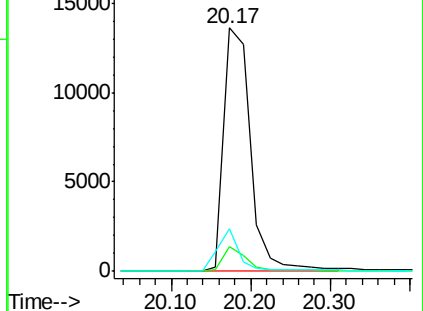
122 17.5 3.6 5.4#



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



#27

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.75 min Scan# 1375

Delta R.T. 0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

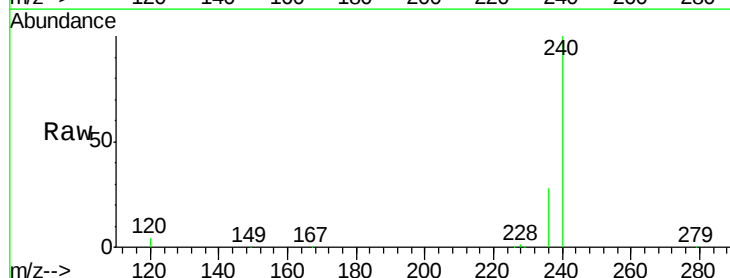
Tgt Ion:228 Resp: 1788

Ion Ratio Lower Upper

228 100

226 36.4 23.6 35.4#

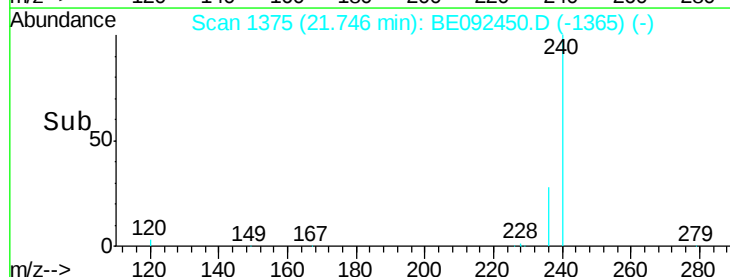
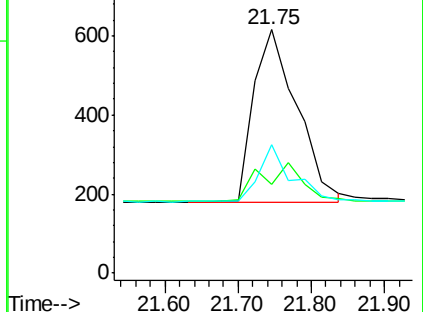
229 52.9 13.3 19.9#

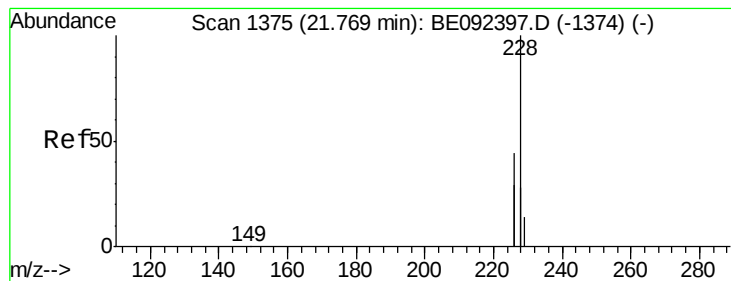


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#28

Chrysene

Concen: 0.03 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

Instrument :

BNA_E

ClientSampleId :

PB93506BL

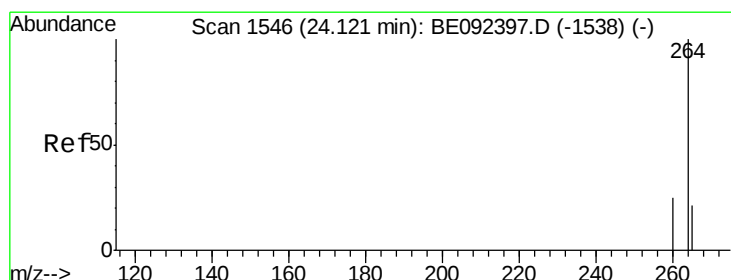
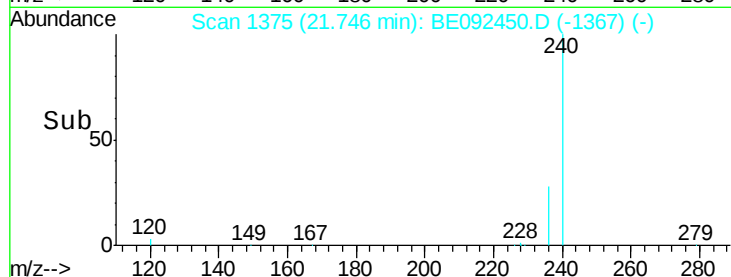
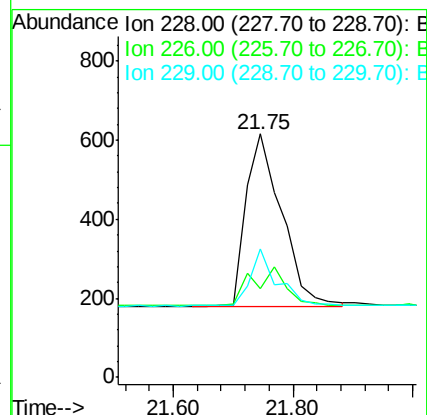
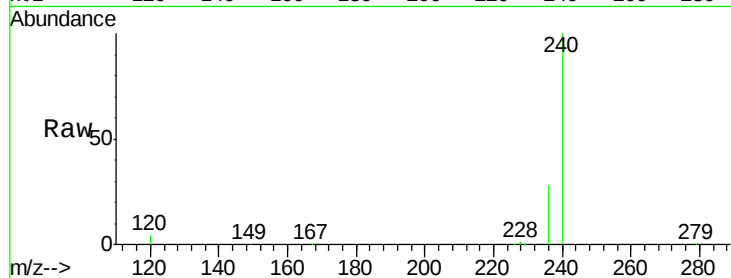
Tgt Ion:228 Resp: 1818

Ion Ratio Lower Upper

228 100

226 36.4 36.3 54.5

229 52.9 10.6 16.0#



#31

Perylene-d12

Concen: 5.00 ng

RT: 24.11 min Scan# 1546

Delta R.T. 0.02 min

Lab File: BE092450.D

Acq: 7 Oct 2016 17:10

Tgt Ion:264 Resp: 66001

Ion Ratio Lower Upper

264 100

260 25.4 20.1 30.1

265 21.2 17.9 26.9

