

Data Path : Z:\HPCHEM1\BNA E\DATA\BE021916\
 Data File : BE091417.D
 Acq On : 19 Feb 2016 17:02
 Operator : UM/IZ
 Sample : H1498-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160216

Quant Time: Feb 19 23:08:30 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 00:27:53 2016
 Response via : Initial Calibration

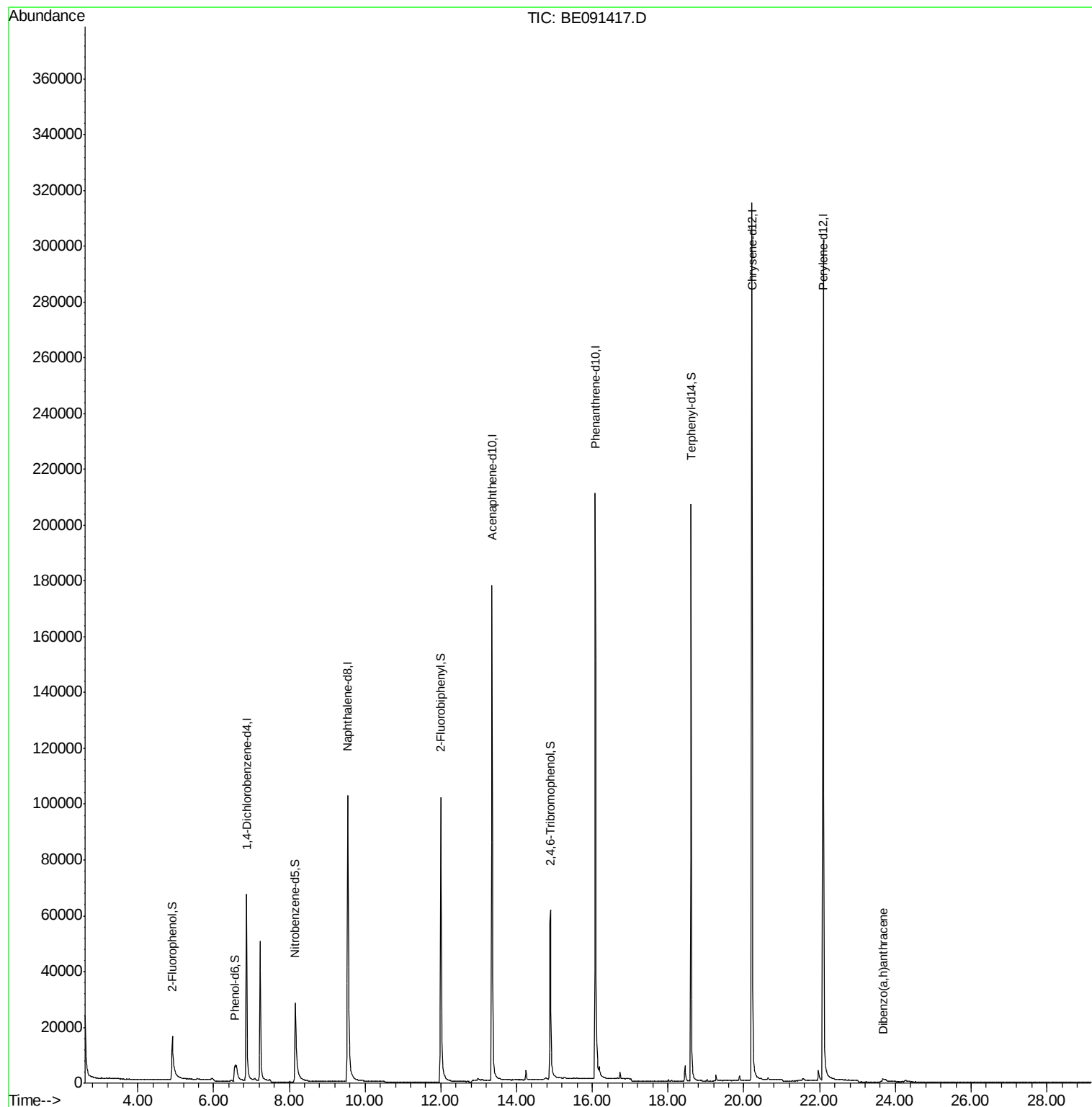
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	38212	5.00	ng	0.00
4) Naphthalene-d8	9.54	136	182940	5.00	ng	0.00
8) Acenaphthene-d10	13.34	164	121275	5.00	ng	0.00
14) Phenanthrene-d10	16.08	188	288686	5.00	ng	-0.01
18) Chrysene-d12	20.22	240	334319	5.00	ng	0.00
24) Perylene-d12	22.09	264	337522	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	4.91	112	23753	2.77	ng	-0.04
3) Phenol-d6	6.56	99	17972	1.57	ng	0.00
5) Nitrobenzene-d5	8.16	82	47882	4.01	ng	-0.01
9) 2,4,6-Tribromophenol	14.89	330	36671	6.25	ng	-0.01
10) 2-Fluorobiphenyl	12.00	172	137353	4.35	ng	-0.01
20) Terphenyl-d14	18.61	244	241992	4.89	ng	0.00
Target Compounds						
28) Dibenzo(a,h)anthracene	23.67	278	2306	0.28	ng	Qvalue # 75

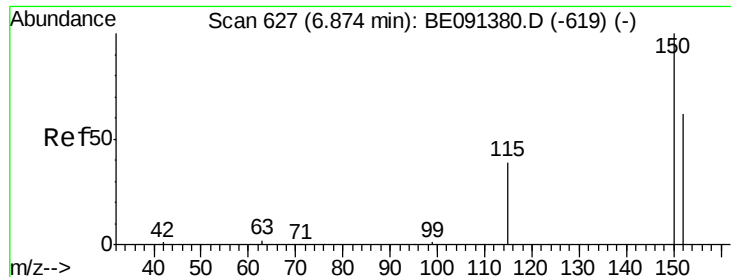
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.87 min Scan# 626

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

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BNA_E

ClientSampleId :

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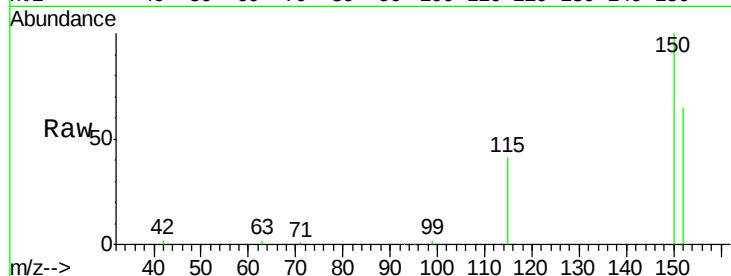
Tot Ion:152 Resp: 38212

Ion Ratio Lower Upper

152 100

150 153.3 128.9 193.3

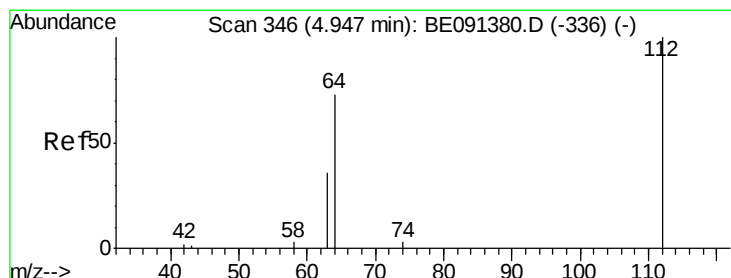
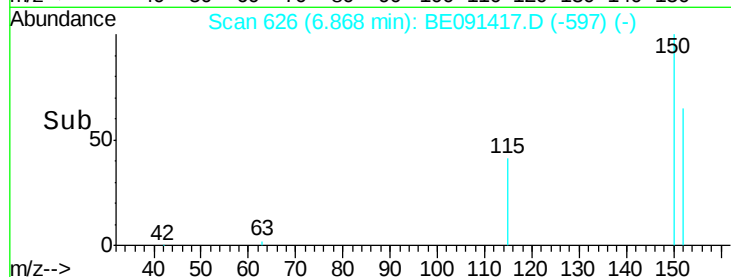
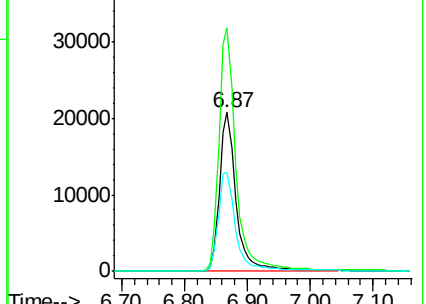
115 62.5 50.9 76.3



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

2-Fluorophenol

Concen: 2.77 ng

RT: 4.91 min Scan# 341

Delta R.T. -0.04 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

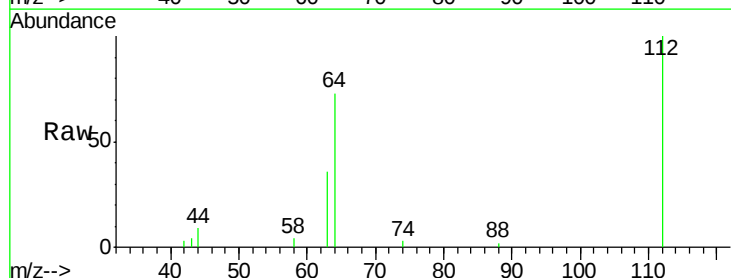
Tgt Ion:112 Resp: 23753

Ion Ratio Lower Upper

112 100

64 74.7 60.5 90.7

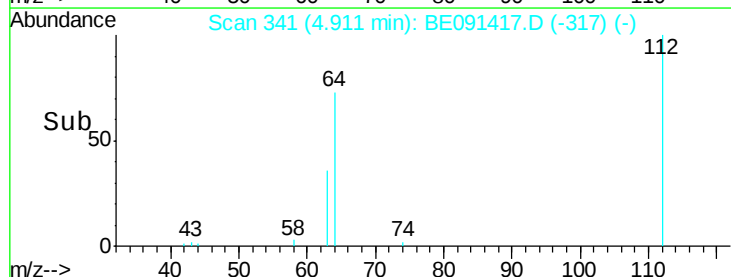
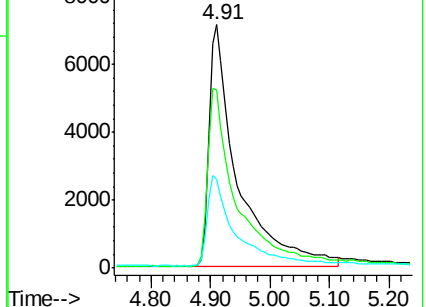
63 37.9 29.8 44.8

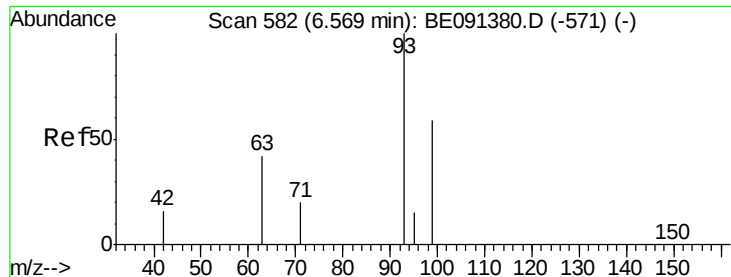


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#3

Phenol-d6

Concen: 1.57 ng

RT: 6.56 min Scan# 581

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

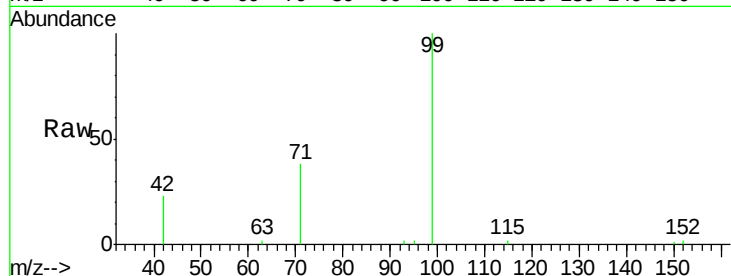
BNA_E

ClientSampleId :

OUTFALL001-160216

Tot Ion: 99 Resp: 17972

Ion	Ratio	Lower	Upper
99	100		
42	8.8	13.3	19.9#
71	34.4	25.6	38.4



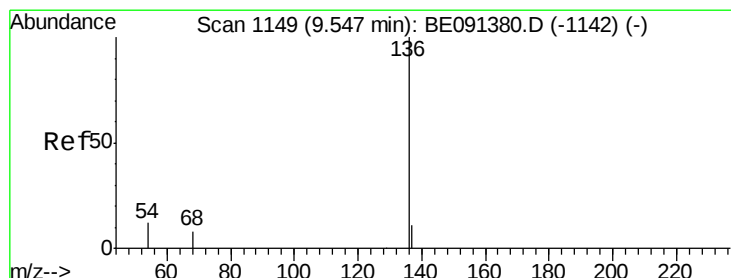
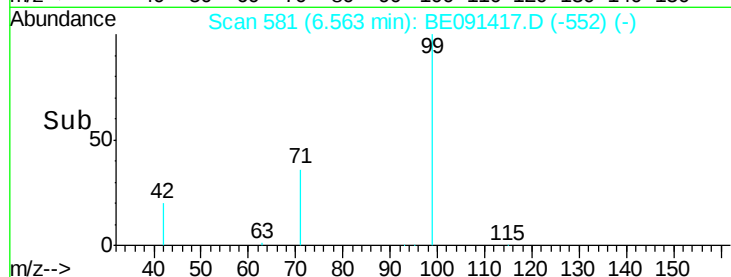
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

6.56

Time--> 6.40 6.50 6.60 6.70 6.80



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 9.54 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Tgt Ion: 136 Resp: 182940

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	11.9	9.3	13.9
68	8.4	6.7	10.1

Abundance Ion 136.00 (135.70 to 136.70): E

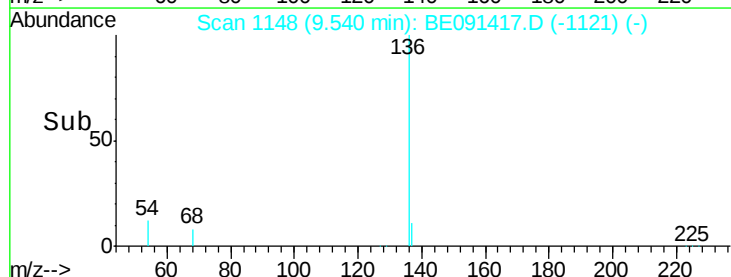
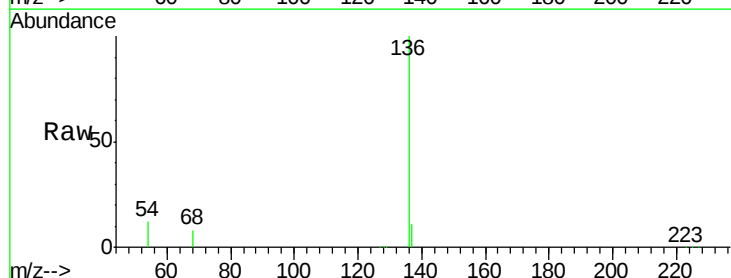
Ion 137.00 (136.70 to 137.70): E

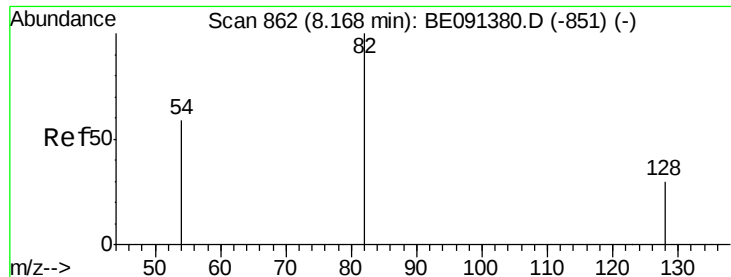
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

9.54

Time--> 9.40 9.50 9.60 9.70





#5

Nitrobenzene-d5

Concen: 4.01 ng

RT: 8.16 min Scan# 859

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

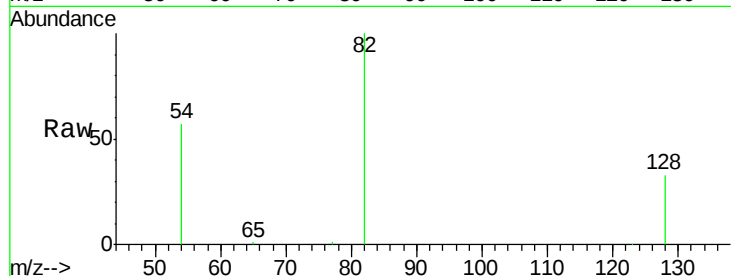
Tot Ion: 82 Resp: 47882

Ion Ratio Lower Upper

82 100

128 32.8 25.0 37.4

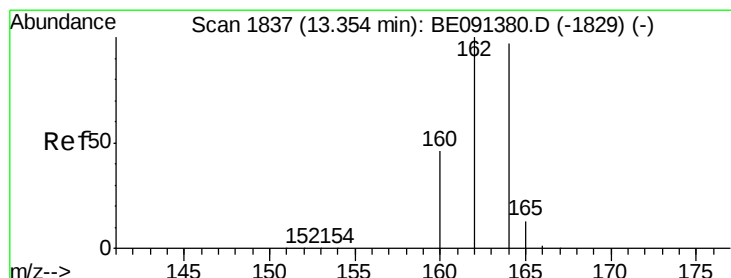
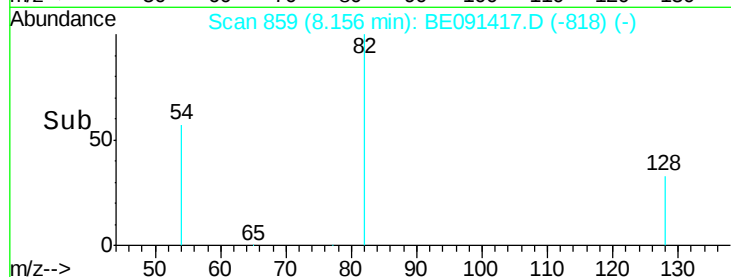
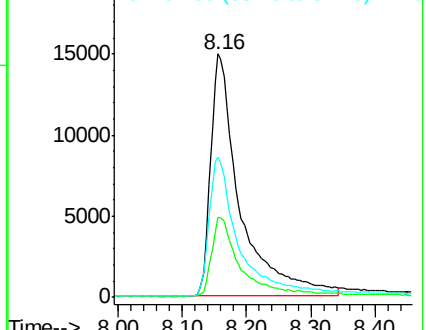
54 57.3 48.1 72.1



Abundance Ion 82.00 (81.70 to 82.70): BE091380.D (-851) (-)

Ion 128.00 (127.70 to 128.70): BE091380.D (-851) (-)

Ion 54.00 (53.70 to 54.70): BE091380.D (-851) (-)



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 13.34 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

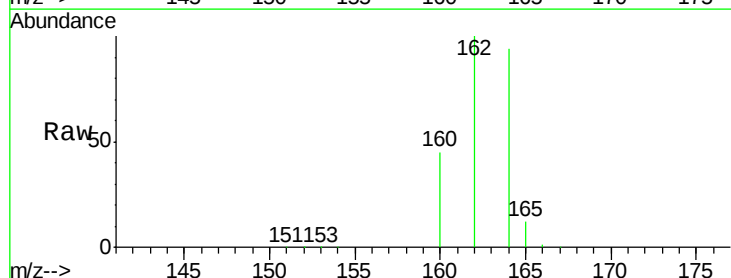
Tgt Ion: 164 Resp: 121275

Ion Ratio Lower Upper

164 100

162 106.7 82.2 123.2

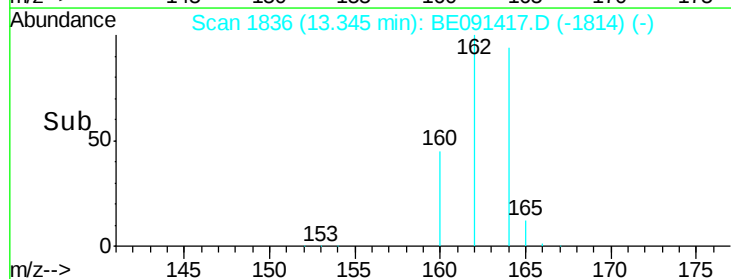
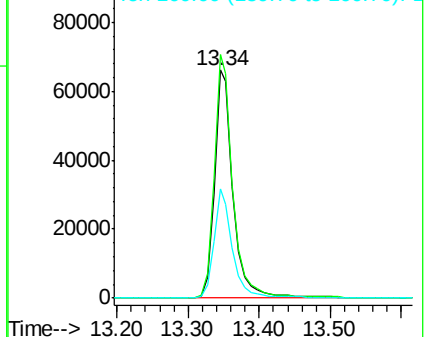
160 47.6 37.8 56.8

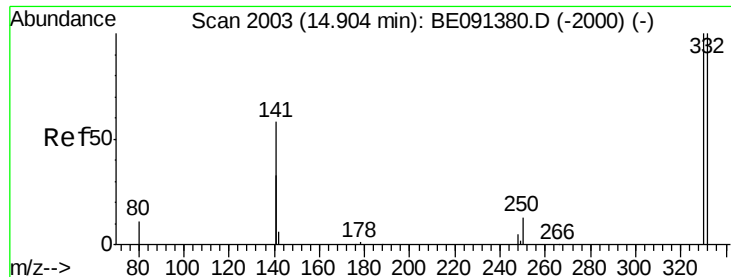


Abundance Ion 164.00 (163.70 to 164.70): BE091380.D (-1829) (-)

Ion 162.00 (161.70 to 162.70): BE091380.D (-1829) (-)

Ion 160.00 (159.70 to 160.70): BE091380.D (-1829) (-)





#9

2,4,6-Tribromophenol

Concen: 6.25 ng

RT: 14.89 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

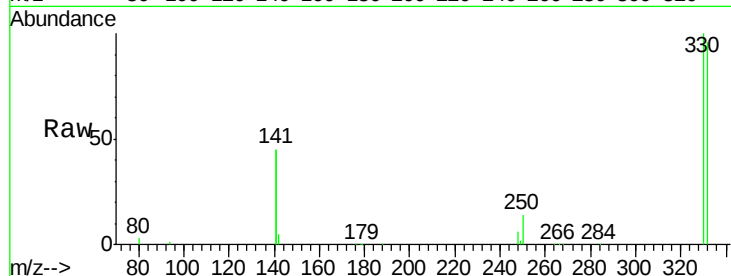
Tot Ion:330 Resp: 36671

Ion Ratio Lower Upper

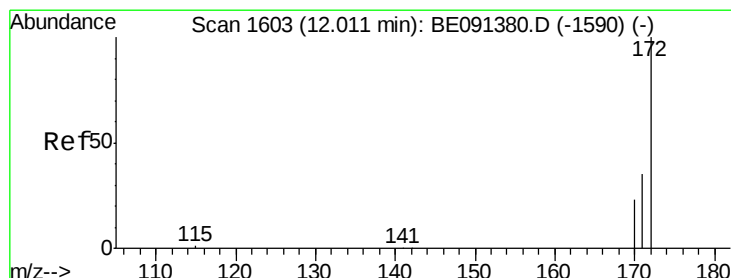
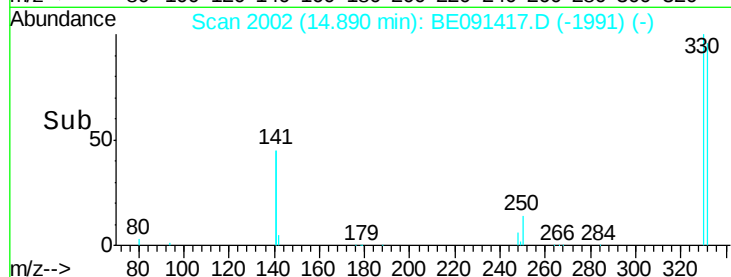
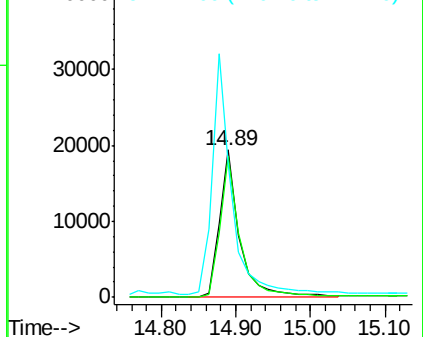
330 100

332 95.7 78.8 118.2

141 157.2 105.1 157.7



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



#10

2-Fluorobiphenyl

Concen: 4.35 ng

RT: 12.00 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

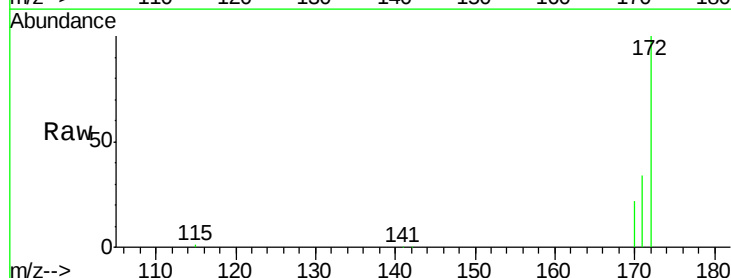
Tgt Ion:172 Resp: 137353

Ion Ratio Lower Upper

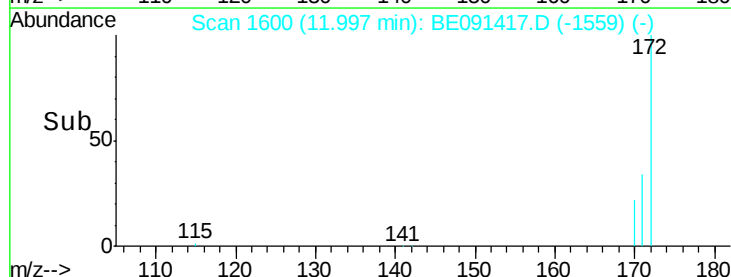
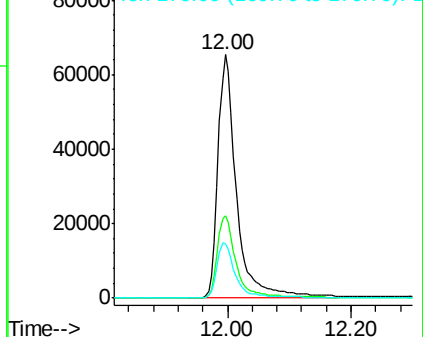
172 100

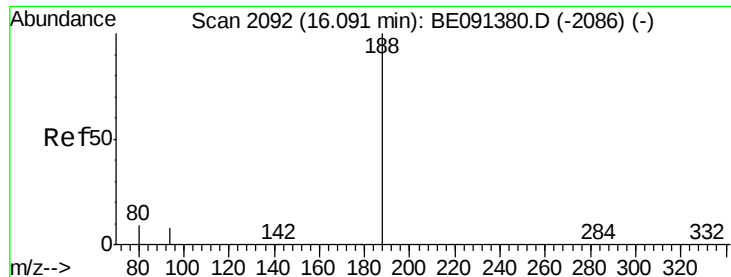
171 33.8 27.8 41.8

170 22.1 18.6 28.0



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





#14

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.08 min Scan# 2091

Delta R.T. -0.01 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

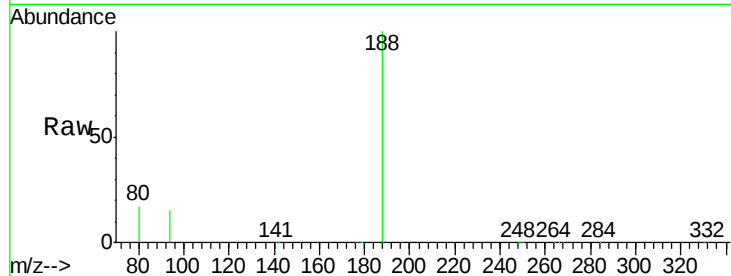
Tot Ion:188 Resp: 288686

Ion Ratio Lower Upper

188 100

94 14.8 6.6 10.0#

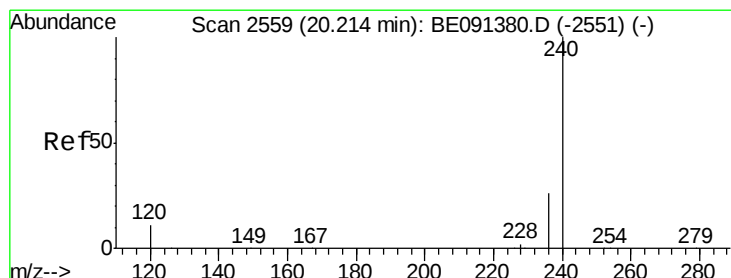
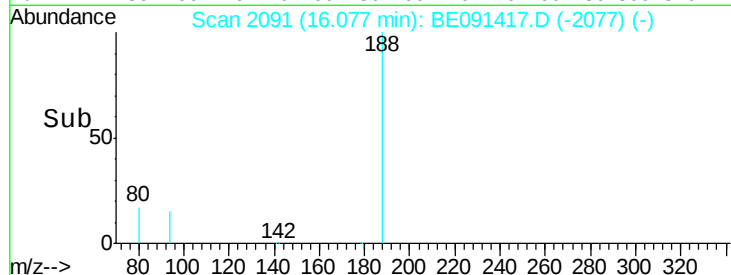
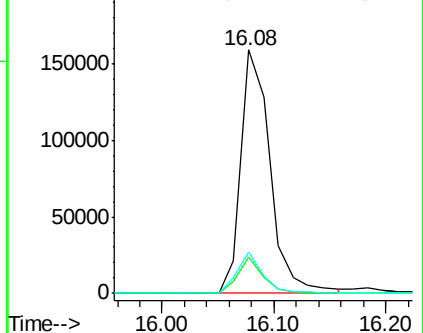
80 16.8 7.0 10.6#



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



#18

Chrysene-d12

Concen: 5.00 ng

RT: 20.22 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

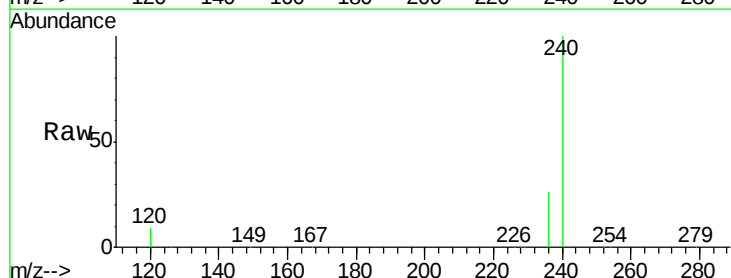
Tgt Ion:240 Resp: 334319

Ion Ratio Lower Upper

240 100

120 8.6 8.9 13.3#

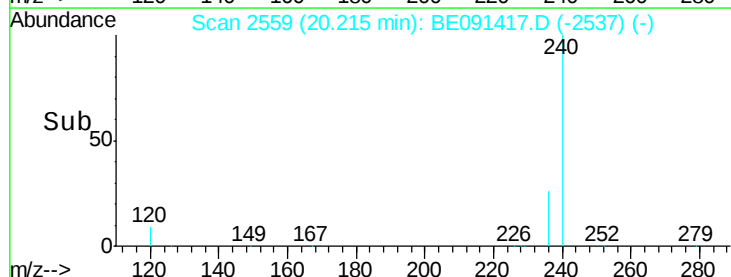
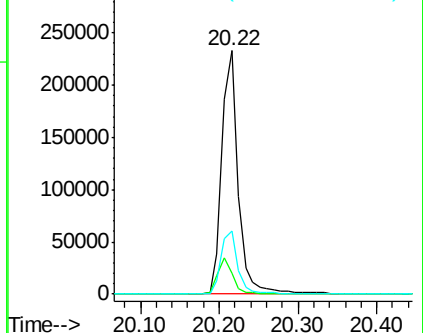
236 26.0 21.0 31.4

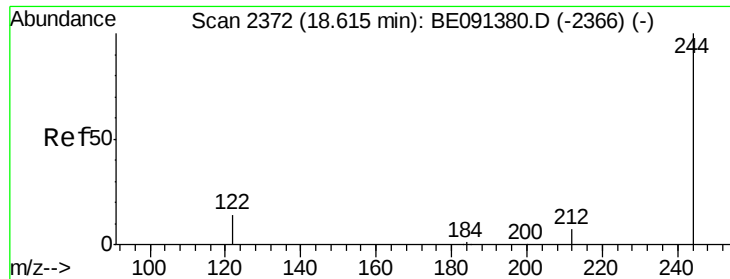


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

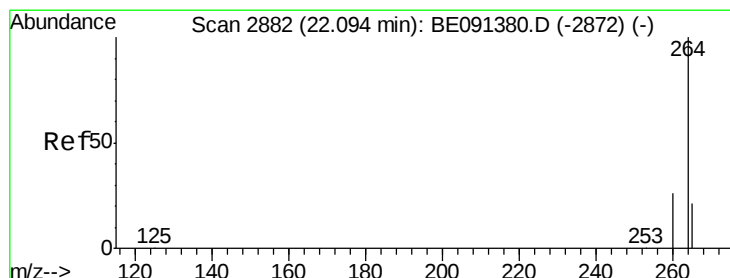
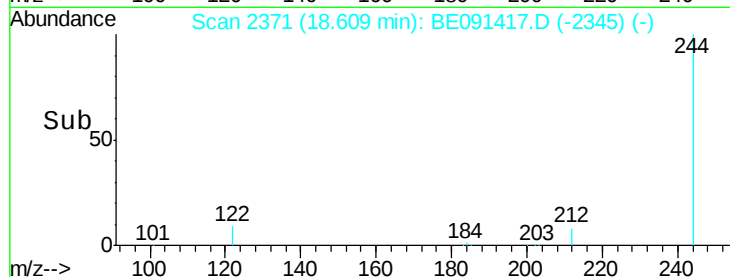
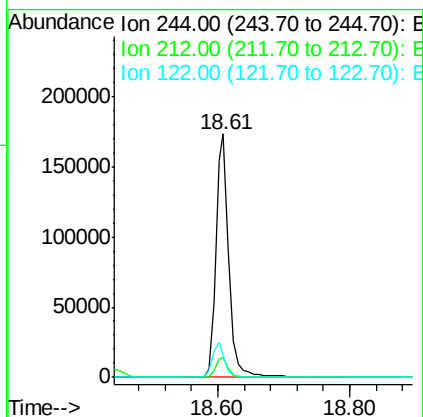
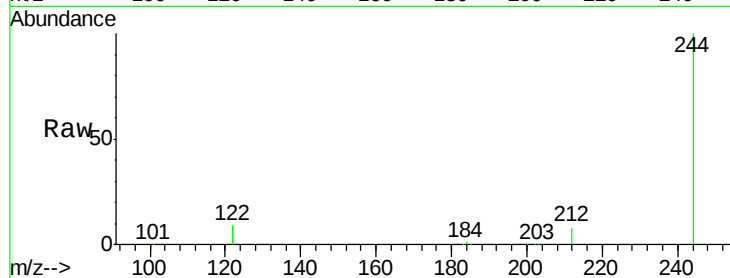




#20
 Terphenyl-d14
 Concen: 4.89 ng
 RT: 18.61 min Scan# 2371
 Delta R.T. -0.01 min
 Lab File: BE091417.D
 Acq: 19 Feb 2016 17:02

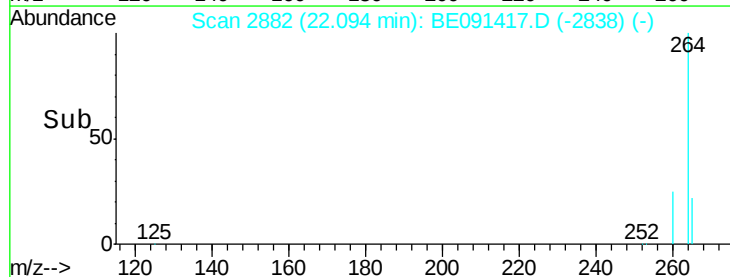
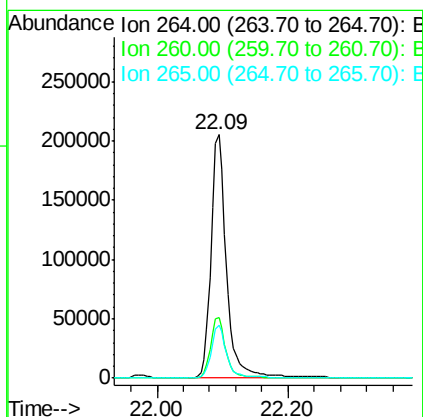
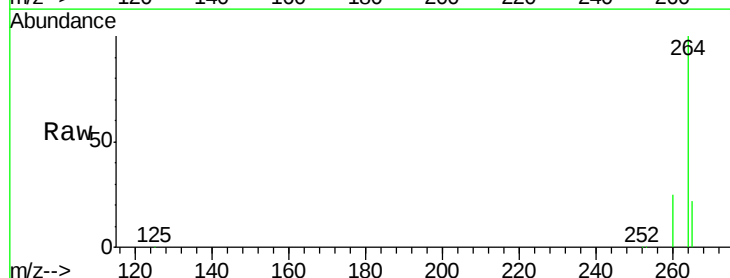
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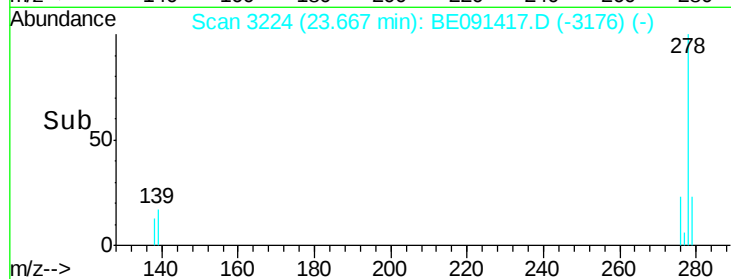
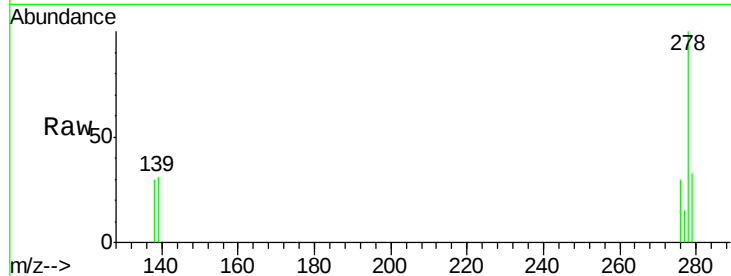
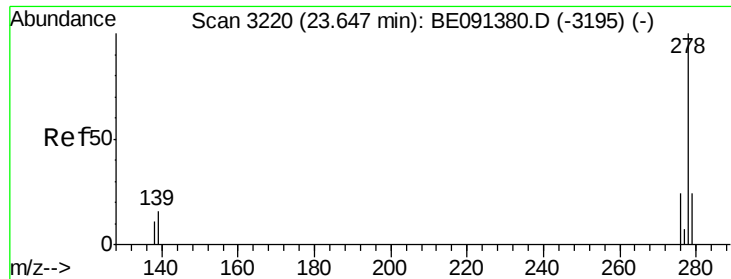
Tot Ion:244 Resp: 241992
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.1 9.1
 122 9.1 11.0 16.6#



#24
 Perylene-d12
 Concen: 5.00 ng
 RT: 22.09 min Scan# 2882
 Delta R.T. -0.00 min
 Lab File: BE091417.D
 Acq: 19 Feb 2016 17:02

Tgt Ion:264 Resp: 337522
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.7 31.1
 265 21.8 17.2 25.8





#28

Dibenzo(a,h)anthracene

Concen: 0.28 ng

RT: 23.67 min Scan# 3224

Delta R.T. 0.02 min

Lab File: BE091417.D

Acq: 19 Feb 2016 17:02

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160216

Tot Ion:278 Resp: 2306

Ion Ratio Lower Upper

278 100

139 31.1 13.0 19.4#

279 32.7 19.2 28.8#

