

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081916\
 Data File : BE092273.D
 Acq On : 19 Aug 2016 17:01
 Operator : UM/SJ
 Sample : H4498-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160815

Quant Time: Aug 22 00:54:39 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 11:12:32 2016
 Response via : Initial Calibration

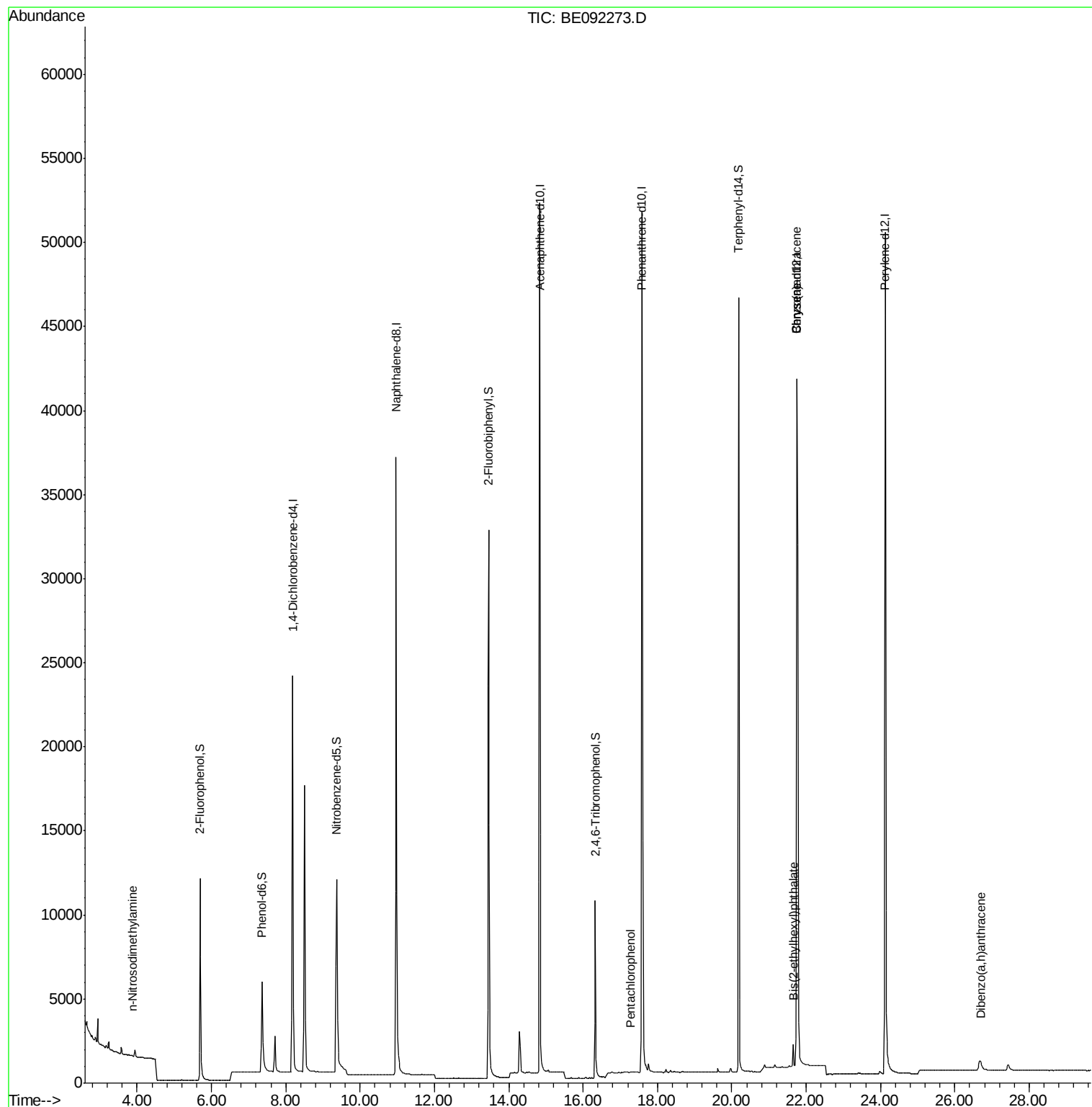
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	12757	5.00	ng	0.02
7) Naphthalene-d8	10.97	136	57567	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	32626	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	78662	5.00	ng	0.02
24) Chrysene-d12	21.75	240	73763	5.00	ng	0.00
31) Perylene-d12	24.13	264	78051	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	10576	3.79	ng	-0.01
5) Phenol-d6	7.36	99	7952	1.98	ng	0.00
8) Nitrobenzene-d5	9.36	82	15430	3.80	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	8191	6.48	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	37773	3.75	ng	-0.01
26) Terphenyl-d14	20.19	244	55432	4.45	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.44	88	57	Below Cal	#	50
3) n-Nitrosodimethylamine	3.88	42	15	0.16 ng	#	13
20) Pentachlorophenol	17.28	266	41	0.20 ng	#	86
27) Benzo(a)anthracene	21.75	228	1793	0.02 ng	#	79
28) Chrysene	21.75	228	1834	0.02 ng	#	77
29) Bis(2-ethylhexyl)phthalate	21.66	149	1520	0.33 ng	#	100
35) Dibenzo(a,h)anthracene	26.70	278	445	0.02 ng	#	34

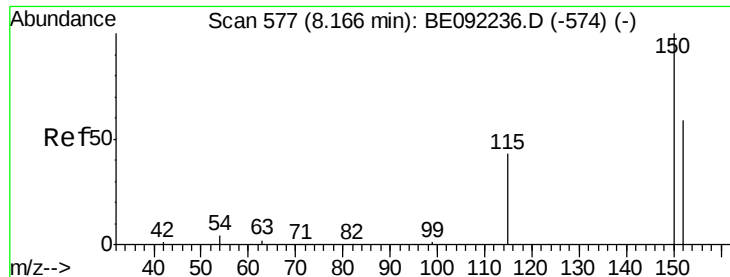
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.19 min Scan# 577

Delta R.T. 0.02 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160815

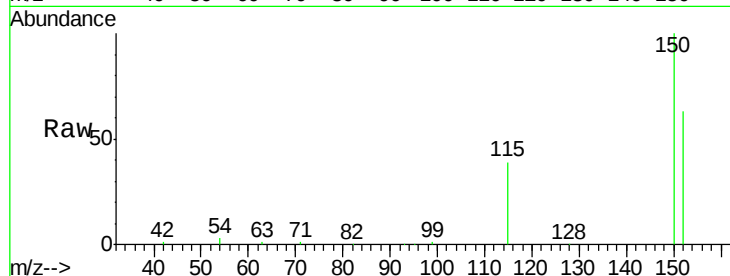
Tgt Ion:152 Resp: 12757

Ion Ratio Lower Upper

152 100

150 159.7 135.6 203.4

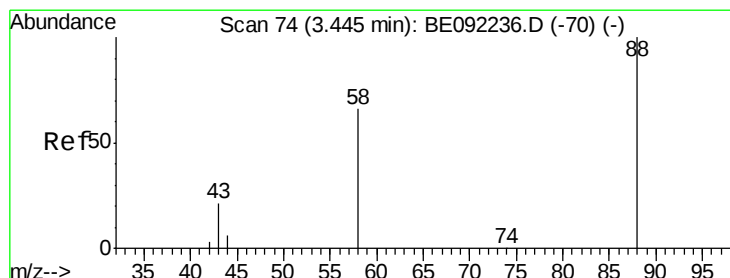
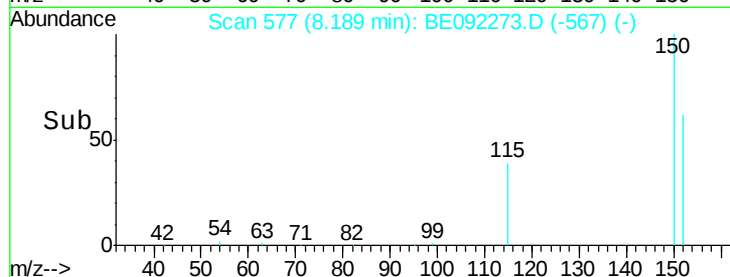
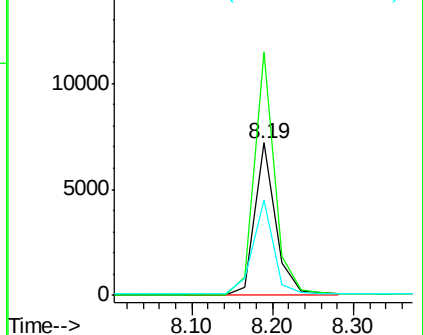
115 62.4 59.4 89.0



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: 3.44 min Scan# 74

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

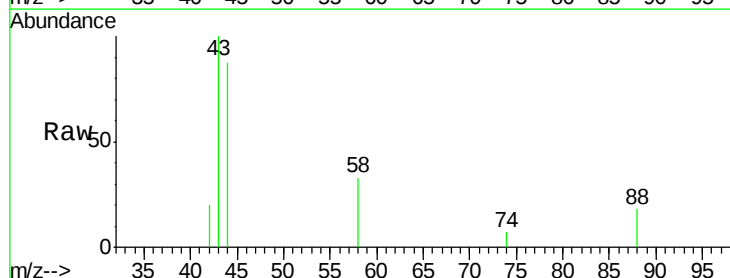
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

58 117.5 64.4 96.6#

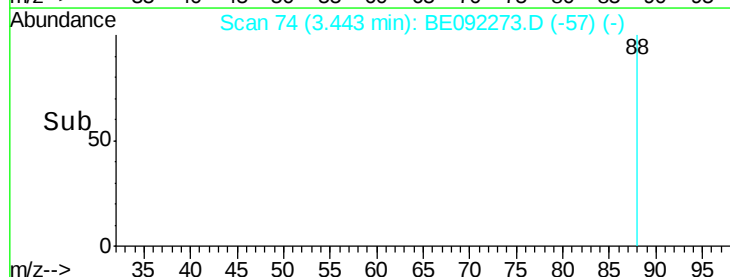
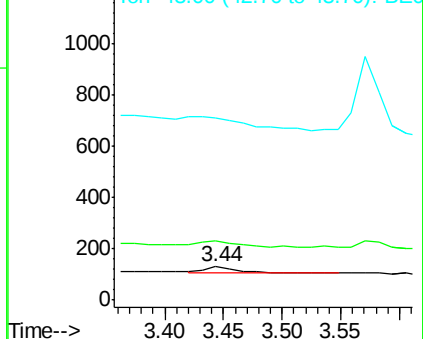
43 0.0 33.4 50.2#

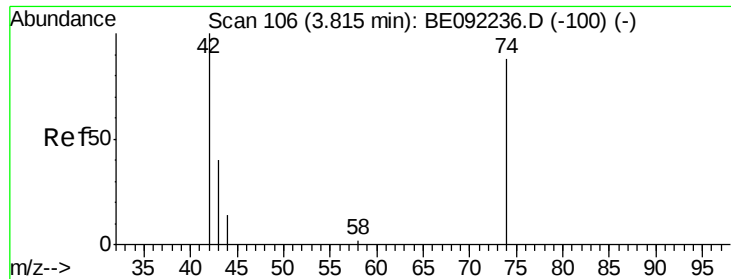


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



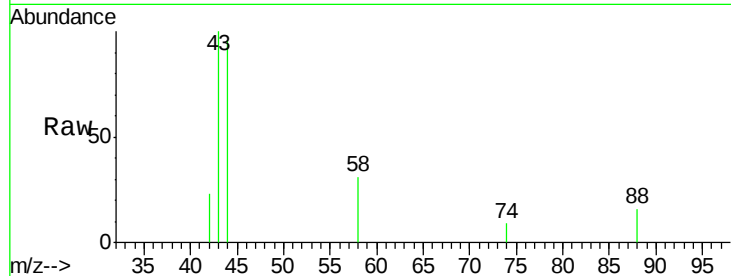


#3

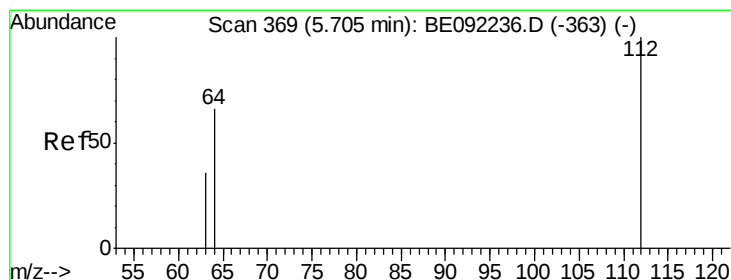
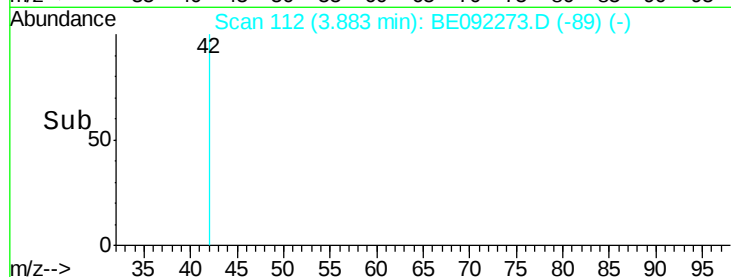
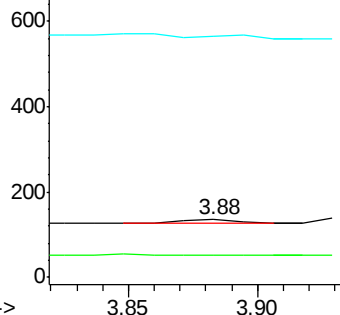
n-Nitrosodimethylamine
 Concen: 0.16 ng
 RT: 3.88 min Scan# 112
 Delta R.T. 0.07 min
 Lab File: BE092273.D
 Acq: 19 Aug 2016 17:01

Instrument :
 BNA_E
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 OUTFALL001-160815

Tgt Ion: 42 Resp: 15
 Ion Ratio Lower Upper
 42 100
 74 6.7 77.2 115.8#
 44 0.0 5.0 7.4#



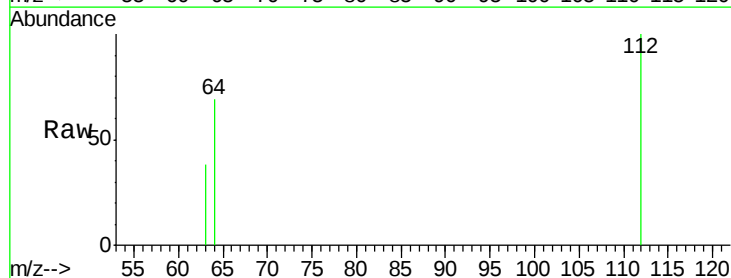
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



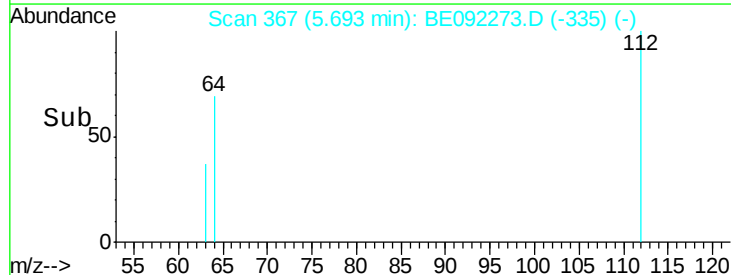
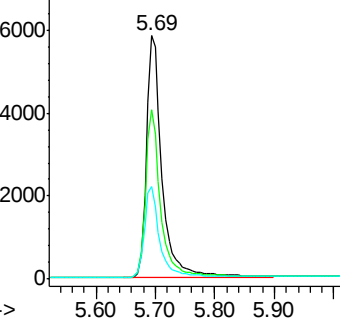
#4

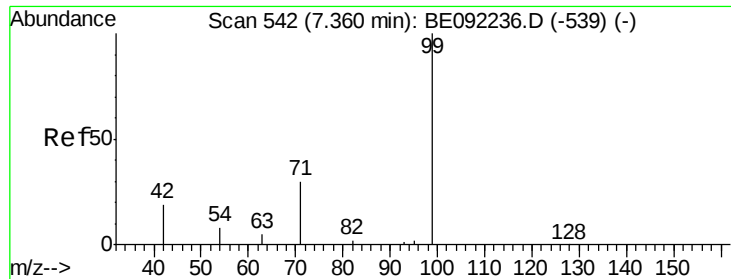
2-Fluorophenol
 Concen: 3.79 ng
 RT: 5.69 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: BE092273.D
 Acq: 19 Aug 2016 17:01

Tgt Ion: 112 Resp: 10576
 Ion Ratio Lower Upper
 112 100
 64 67.5 53.2 79.8
 63 37.1 27.4 41.2



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: 1.98 ng

RT: 7.36 min Scan# 541

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160815

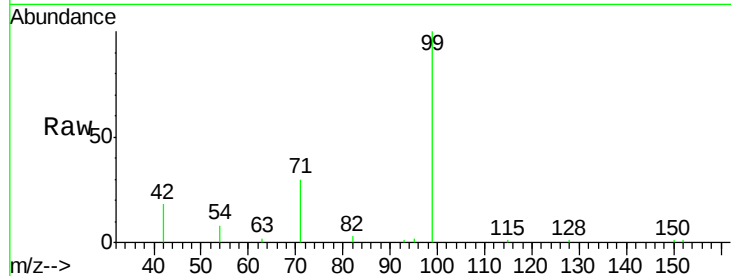
Tgt Ion: 99 Resp: 7952

Ion Ratio Lower Upper

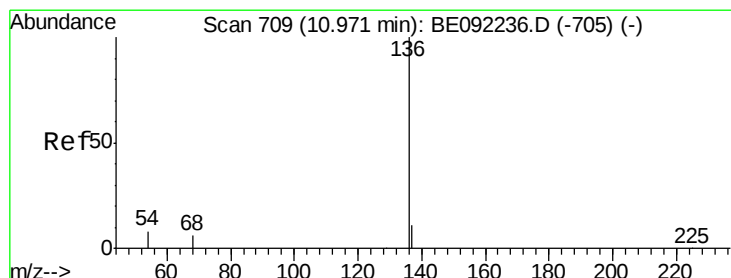
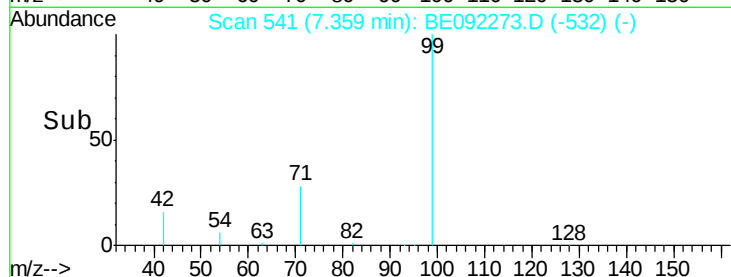
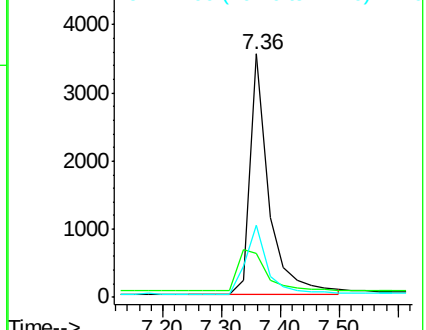
99 100

42 0.0 0.0 0.0

71 33.7 29.8 44.8



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



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

Tgt Ion: 136 Resp: 57567

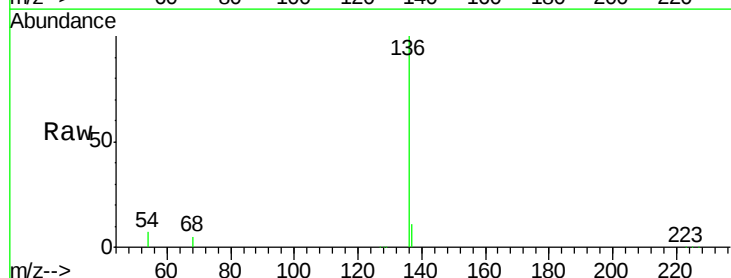
Ion Ratio Lower Upper

136 100

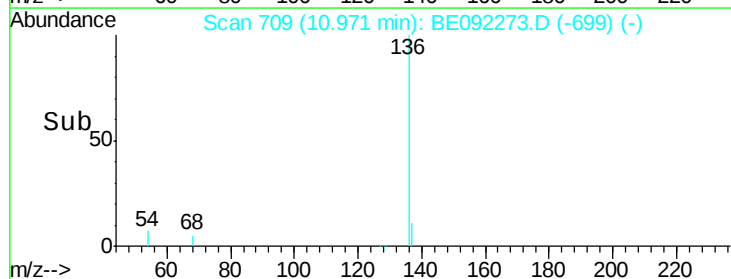
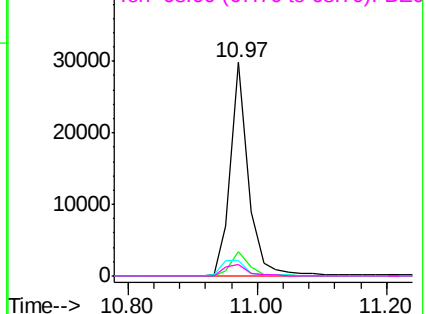
137 11.1 8.8 13.2

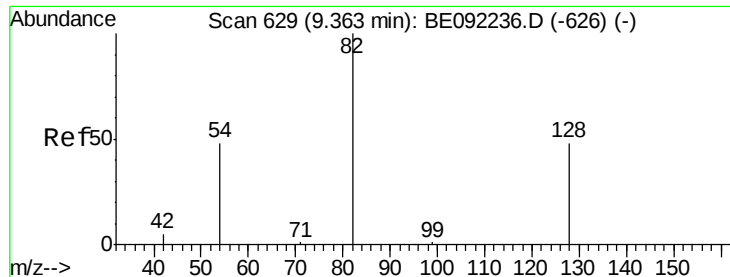
54 7.4 6.2 9.4

68 5.3 4.6 6.8



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: 3.80 ng

RT: 9.36 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160815

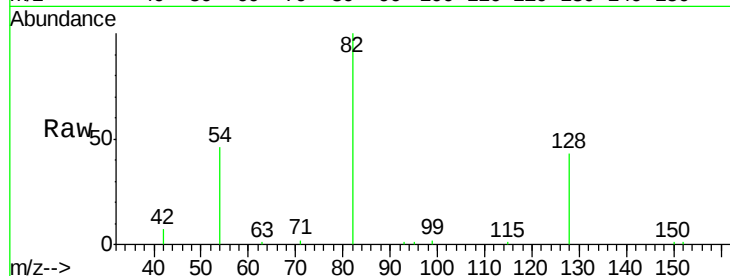
Tgt Ion: 82 Resp: 15430

Ion Ratio Lower Upper

82 100

128 42.7 45.0 67.4#

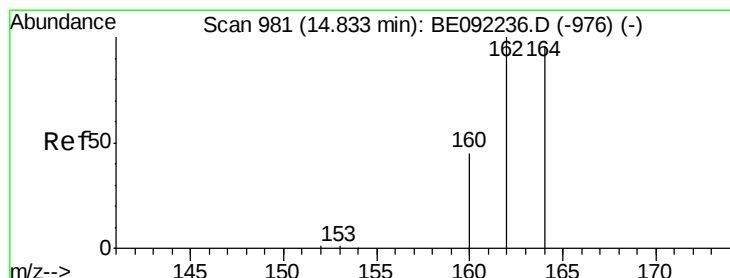
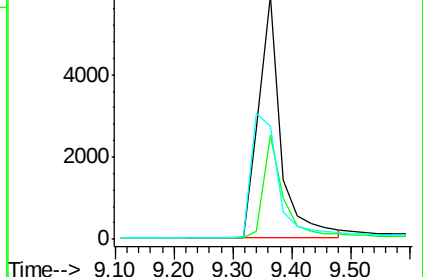
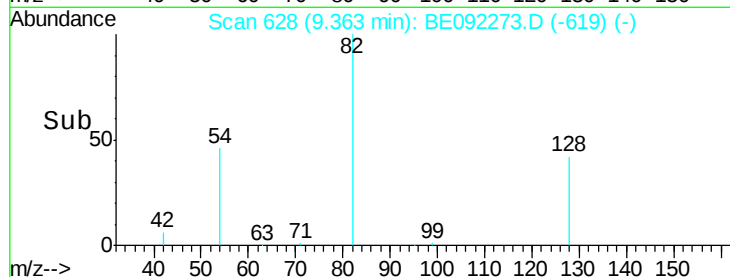
54 46.4 45.4 68.2



Abundance Ion 82.00 (81.70 to 82.70): BE092273.D (-619) (-)

Ion 128.00 (127.70 to 128.70): BE092273.D (-619) (-)

Ion 54.00 (53.70 to 54.70): BE092273.D (-619) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 981

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

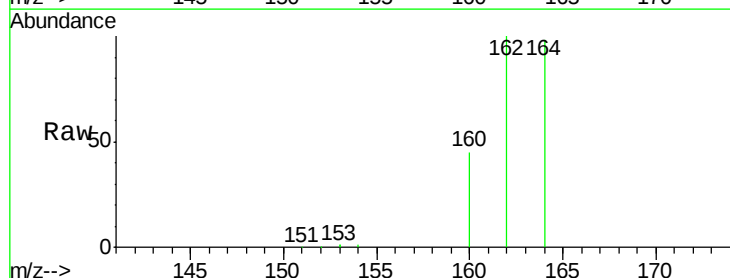
Tgt Ion: 164 Resp: 32626

Ion Ratio Lower Upper

164 100

162 101.6 83.3 124.9

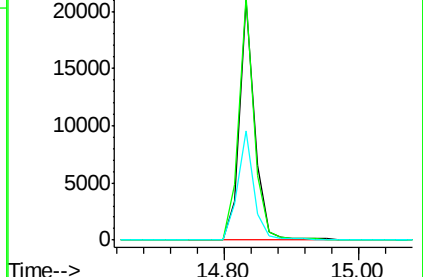
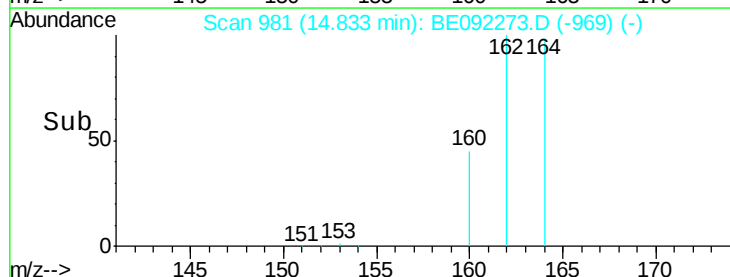
160 45.7 38.0 57.0

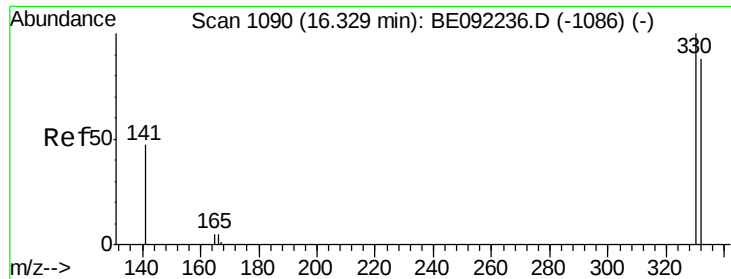


Abundance Ion 164.00 (163.70 to 164.70): BE092273.D (-969) (-)

Ion 162.00 (161.70 to 162.70): BE092273.D (-969) (-)

Ion 160.00 (159.70 to 160.70): BE092273.D (-969) (-)

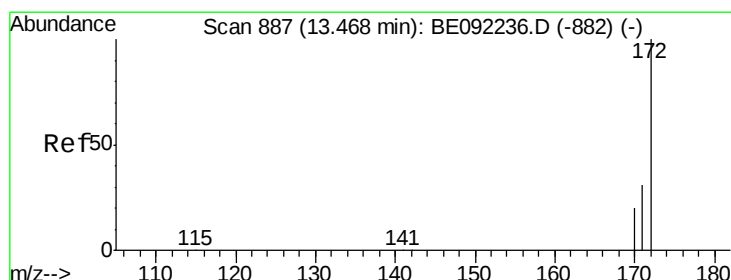
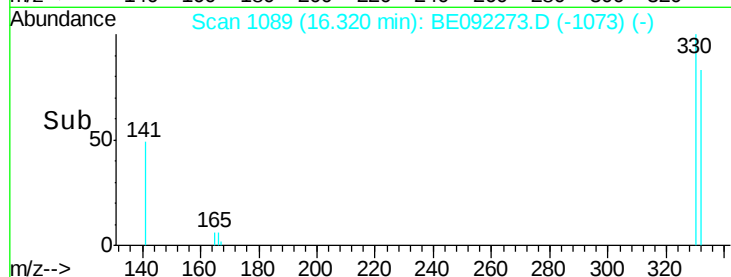
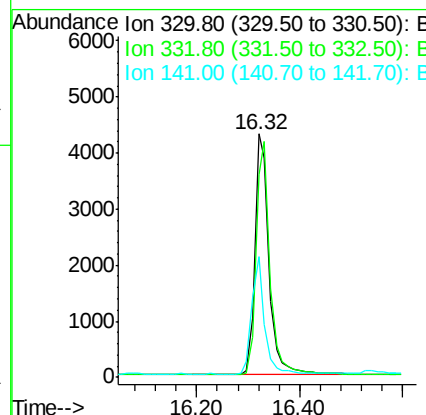
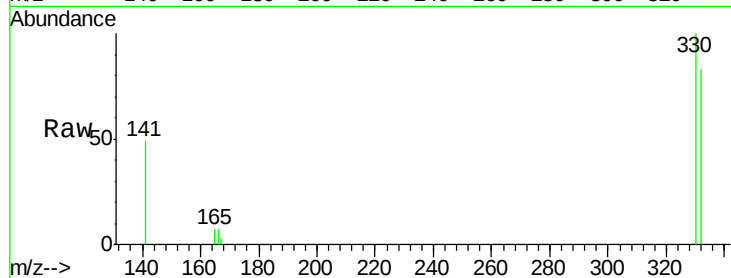




#13
 2,4,6-Tribromophenol
 Concen: 6.48 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: BE092273.D
 Acq: 19 Aug 2016 17:01

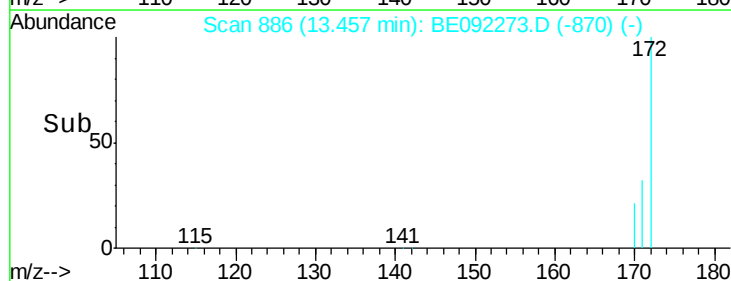
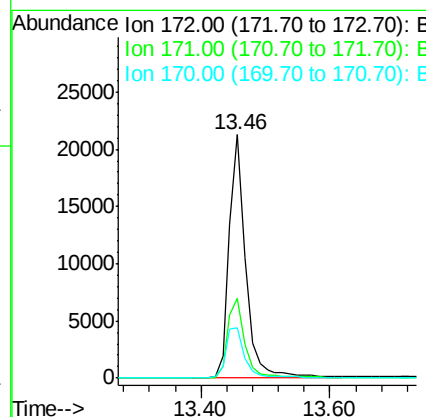
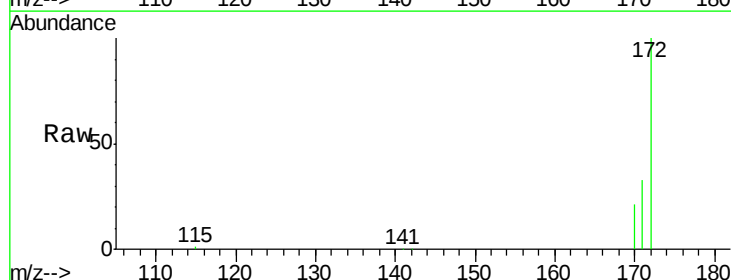
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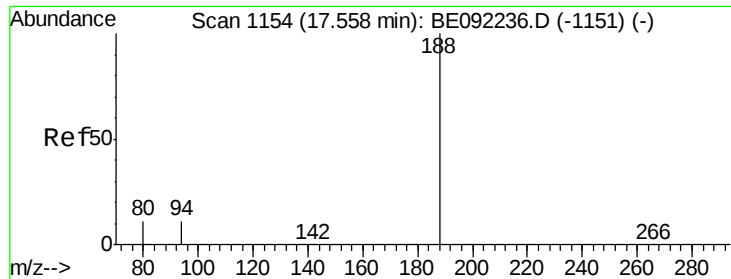
Tgt Ion: 330 Resp: 8191
 Ion Ratio Lower Upper
 330 100
 332 95.8 75.4 113.0
 141 44.8 37.7 56.5



#14
 2-Fluorobiphenyl
 Concen: 3.75 ng
 RT: 13.46 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BE092273.D
 Acq: 19 Aug 2016 17:01

Tgt Ion: 172 Resp: 37773
 Ion Ratio Lower Upper
 172 100
 171 32.6 26.8 40.2
 170 20.7 17.8 26.6

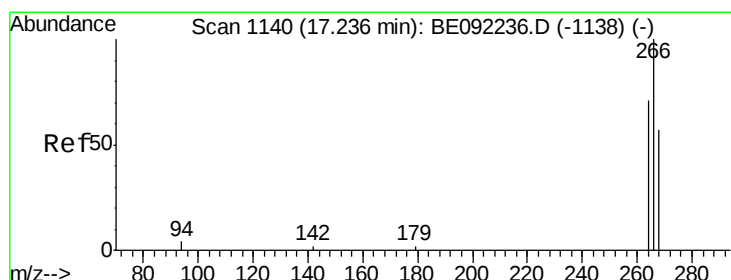
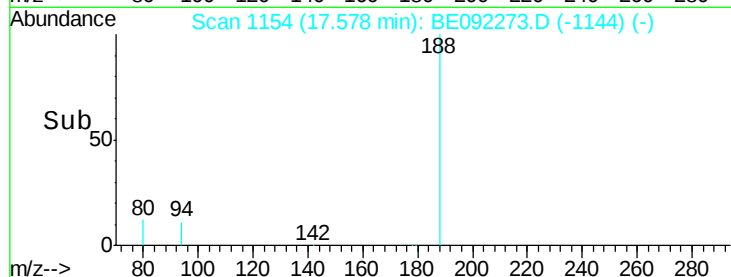
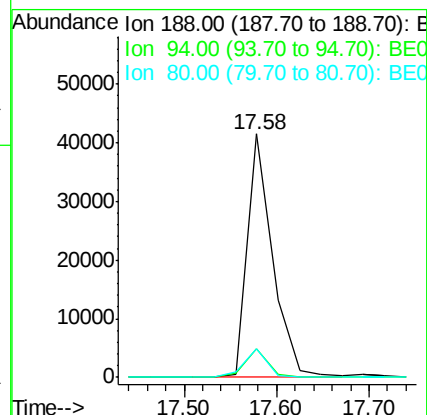
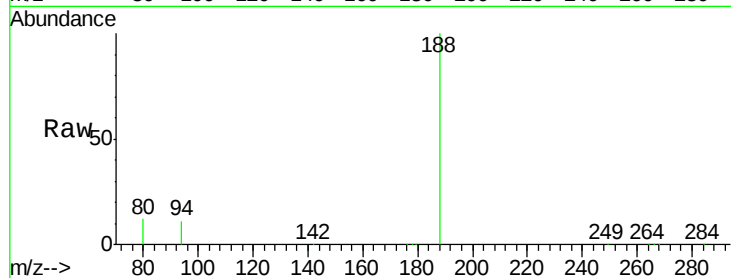




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.02 min
Lab File: BE092273.D
Acq: 19 Aug 2016 17:01

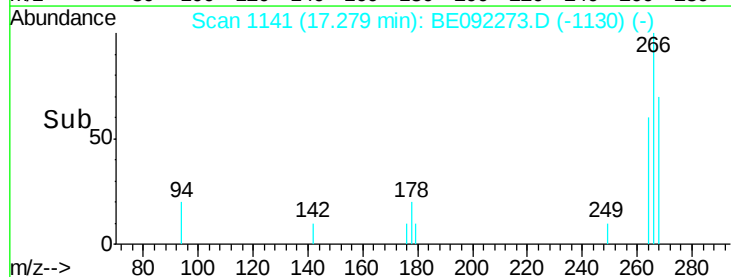
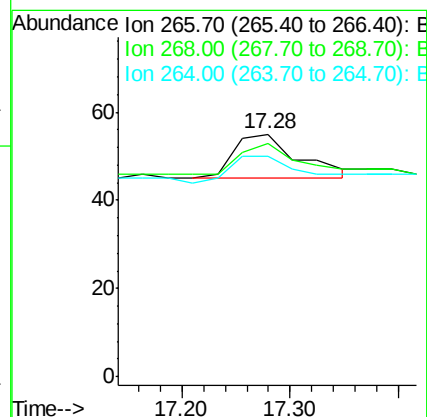
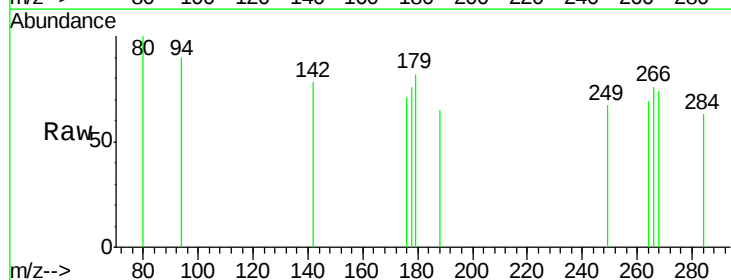
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BNA_E
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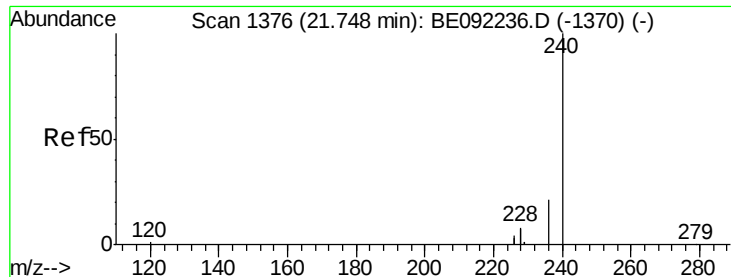
Tgt Ion:188 Resp: 78662
Ion Ratio Lower Upper
188 100
94 11.5 9.2 13.8
80 11.8 9.1 13.7



#20
Pentachlorophenol
Concen: 0.20 ng
RT: 17.28 min Scan# 1141
Delta R.T. 0.04 min
Lab File: BE092273.D
Acq: 19 Aug 2016 17:01

Tgt Ion:266 Resp: 41
Ion Ratio Lower Upper
266 100
268 96.4 62.3 93.5#
264 90.9 67.4 101.0





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160815

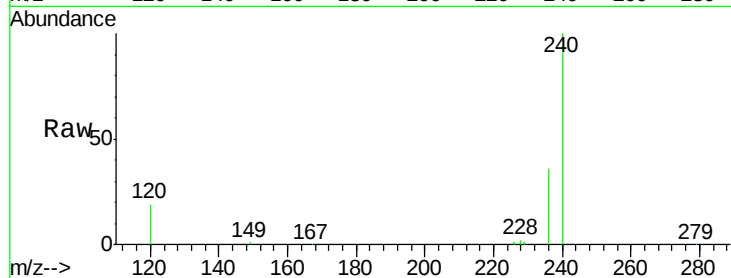
Tgt Ion:240 Resp: 73763

Ion Ratio Lower Upper

240 100

120 19.3 1.2 1.8#

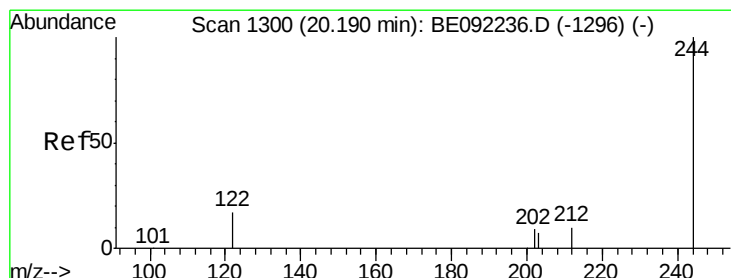
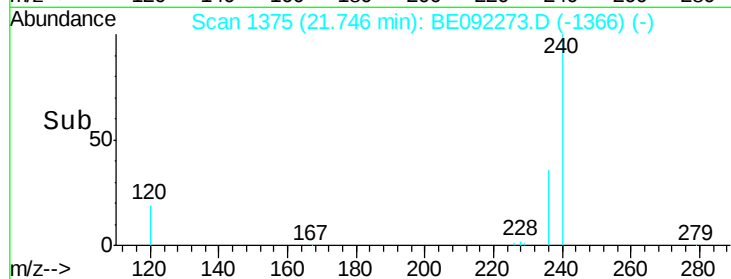
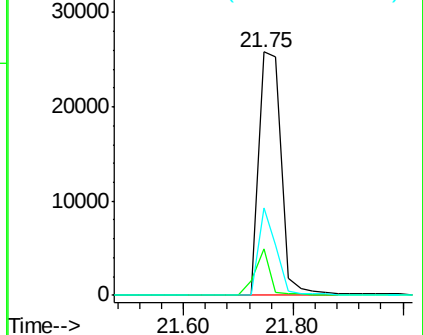
236 35.9 17.1 25.7#



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: 4.45 ng

RT: 20.19 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BE092273.D

Acq: 19 Aug 2016 17:01

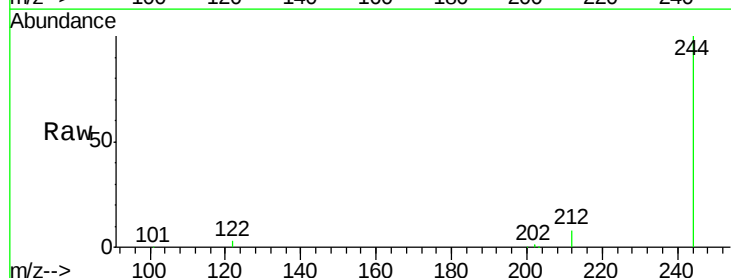
Tgt Ion:244 Resp: 55432

Ion Ratio Lower Upper

244 100

212 7.6 10.2 15.2#

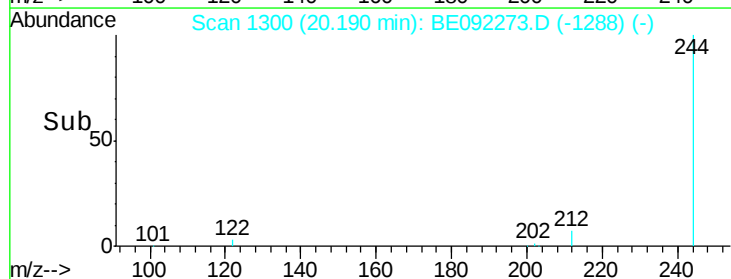
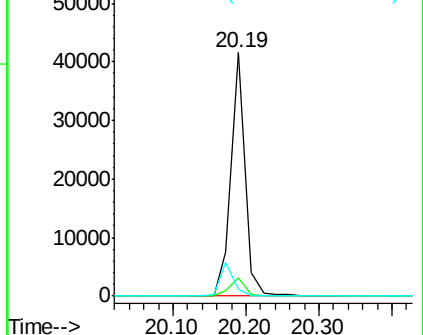
122 2.8 15.9 23.9#

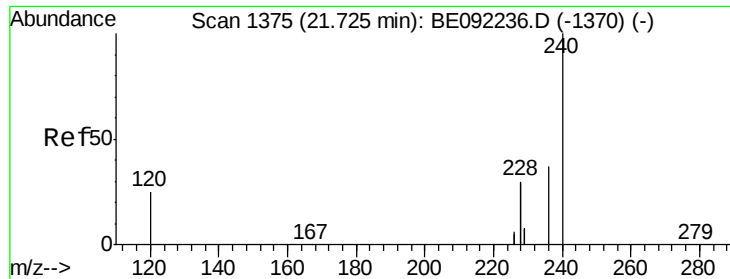


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

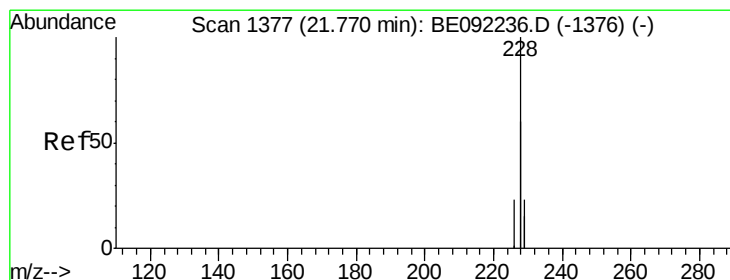
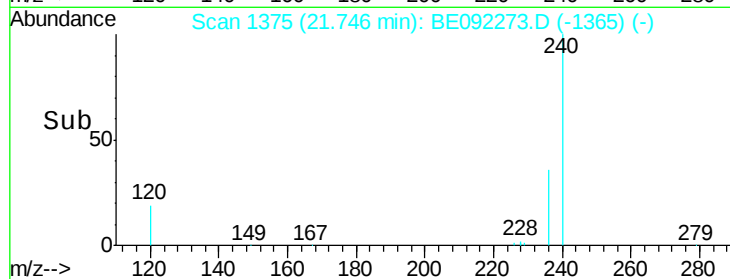
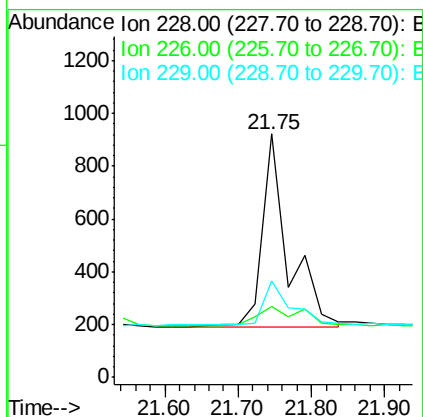
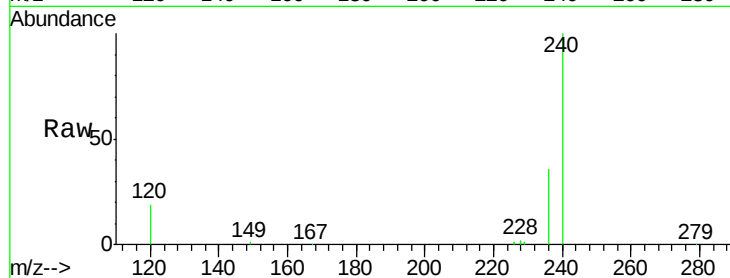




#27
Benzo(a)anthracene
Concen: 0.02 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.02 min
Lab File: BE092273.D
Acq: 19 Aug 2016 17:01

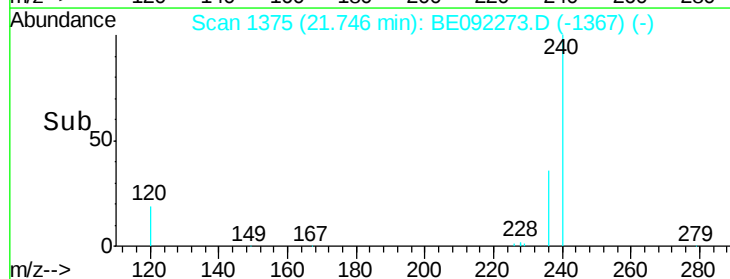
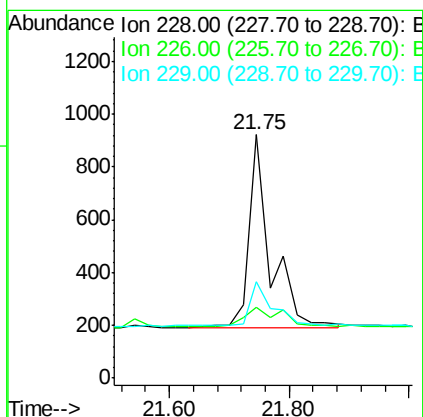
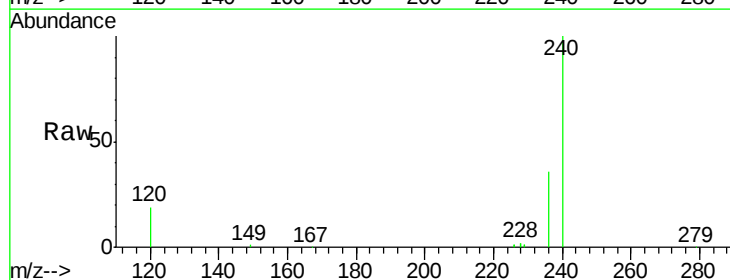
Instrument :
BNA_E
ClientSampleId :
OUTFALL001-160815

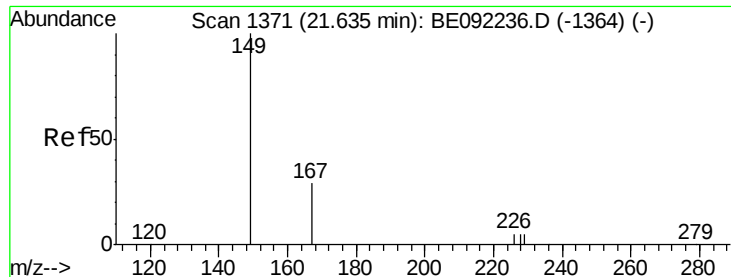
Tgt Ion:228 Resp: 1793
Ion Ratio Lower Upper
228 100
226 29.1 15.9 23.9#
229 39.5 22.4 33.6#



#28
Chrysene
Concen: 0.02 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092273.D
Acq: 19 Aug 2016 17:01

Tgt Ion:228 Resp: 1834
Ion Ratio Lower Upper
228 100
226 29.1 18.3 27.5#
229 39.5 18.6 27.8#

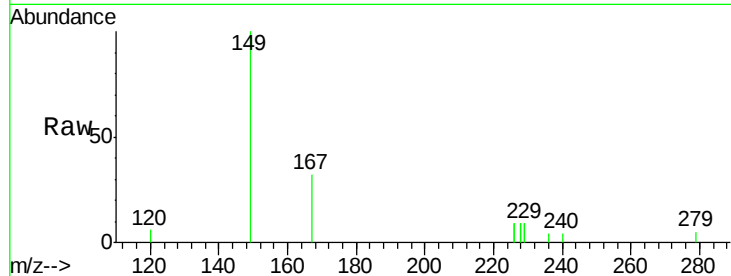




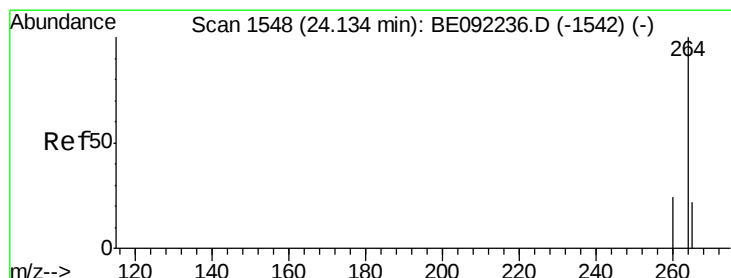
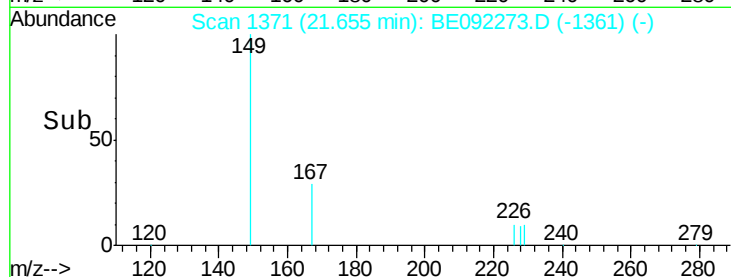
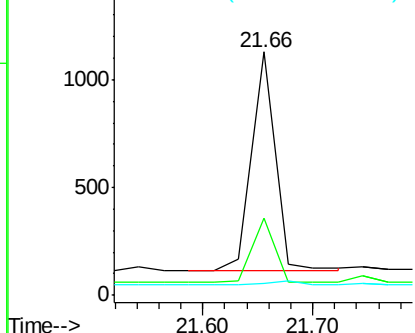
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.33 ng
 RT: 21.66 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: BE092273.D
 Acq: 19 Aug 2016 17:01

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-160815

Tgt Ion:149 Resp: 1520
 Ion Ratio Lower Upper
 149 100
 167 27.4 22.1 33.1
 279 0.0 0.0 0.0

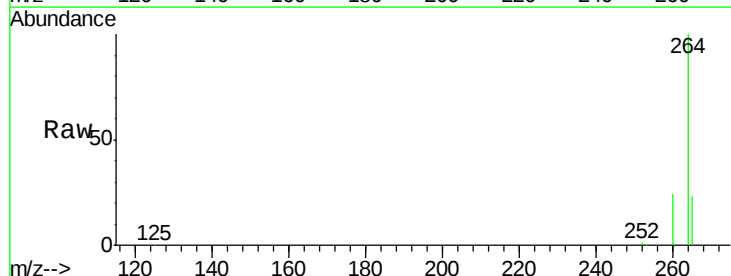


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

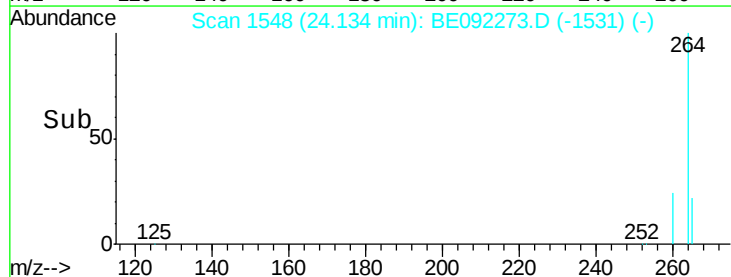
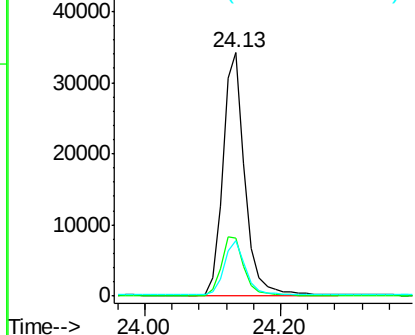


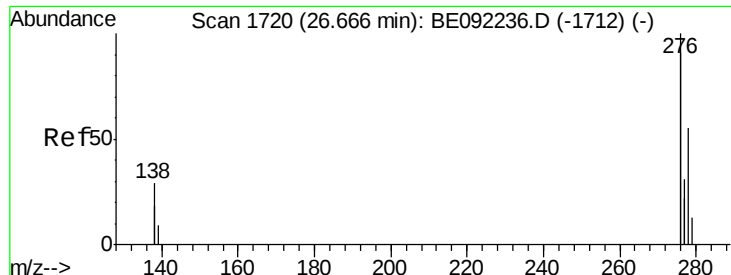
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.13 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BE092273.D
 Acq: 19 Aug 2016 17:01

Tgt Ion:264 Resp: 78051
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.5 29.3
 265 22.8 18.2 27.4



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





#35

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 26.70 min Scan# 1722

Delta R.T. 0.04 min

Lab File: BE092273.D

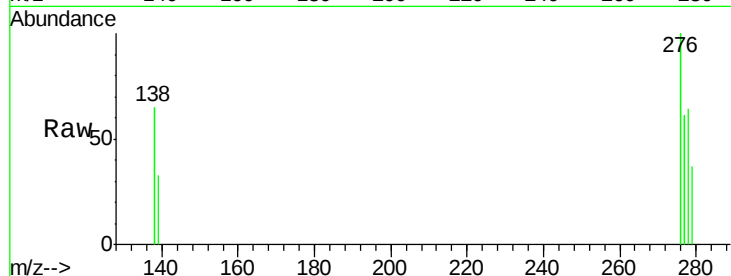
Acq: 19 Aug 2016 17:01

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-160815



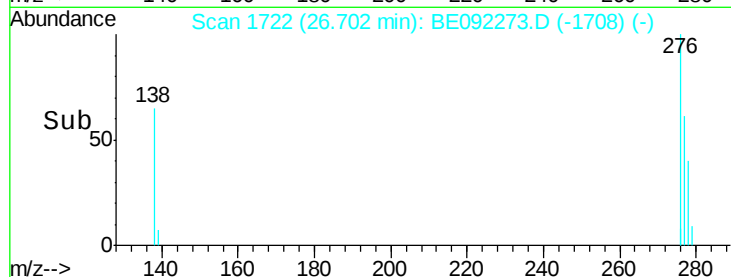
Tgt Ion: 278 Resp: 445

Ion Ratio Lower Upper

278 100

139 52.7 16.2 24.2#

279 58.8 21.4 32.2#



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

