

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
 Data File : BE097568.D
 Acq On : 20 Sep 2018 8:58
 Operator : SJ/JU
 Sample : J4958-22
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 20 10:49:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 19 16:26:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	623	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	2812	0.40	ng	0.01
13) Acenaphthene-d10	14.01	164	1868	0.40	ng	0.01
19) Phenanthrene-d10	16.77	188	6132	0.40	ng	0.01
27) Chrysene-d12	20.97	240	8056	0.40	ng	0.00
34) Perylene-d12	23.21	264	7911	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.06	112	269	0.14	ng	0.02
5) Phenol-d6	6.57	99	4	0.00	ng	-0.02
8) Nitrobenzene-d5	8.58	82	574	0.26	ng	0.06
11) 2-Methylnaphthalene-d10	11.75	152	1541	0.40	ng	0.03
14) 2,4,6-Tribromophenol	15.54	330	280	0.40	ng	0.01
15) 2-Fluorobiphenyl	12.64	172	3342	0.51	ng	0.01
25) Fluoranthene-d10	18.80	212	30628	0.39	ng	0.00
29) Terphenyl-d14	19.42	244	7496	0.51	ng	0.00

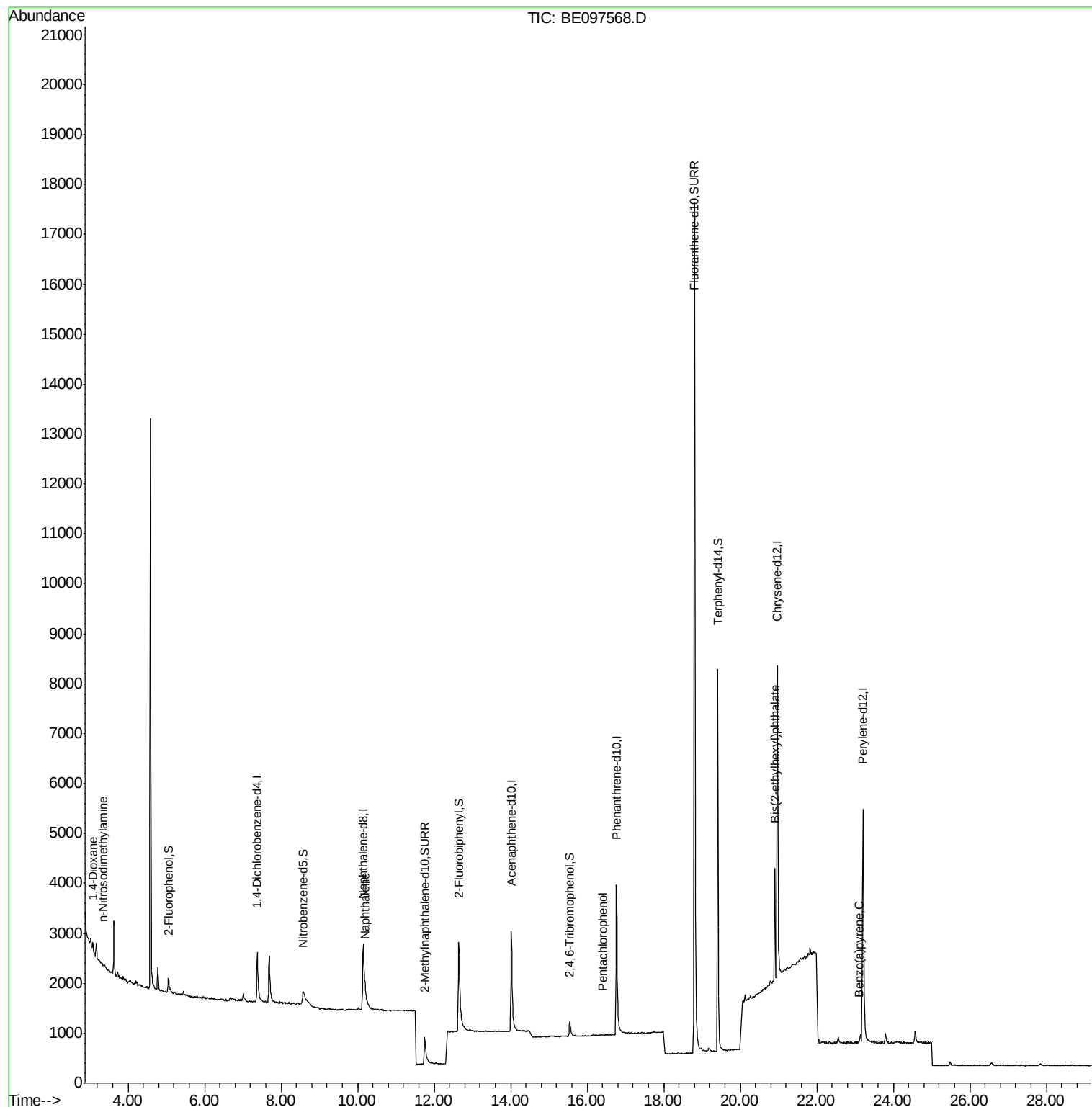
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.08	88	100	0.059	ng	# 47
3) n-Nitrosodimethylamine	3.34	42	18	0.036	ng	# 1
9) Naphthalene	10.20	128	737	0.029	ng	# 71
22) Pentachlorophenol	16.42	266	1	0.130	ng	92
32) Bis(2-ethylhexyl)phthalate	20.91	149	3045	0.100	ng	# 98
37) Benzo(a)pyrene	23.10	252	2	0.021	ng	# 1

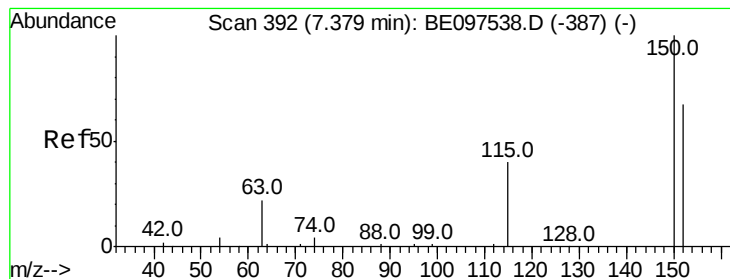
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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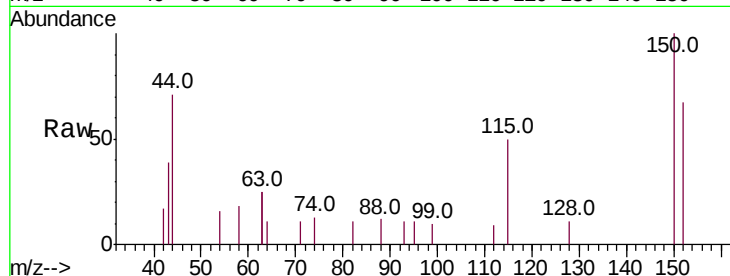


#1

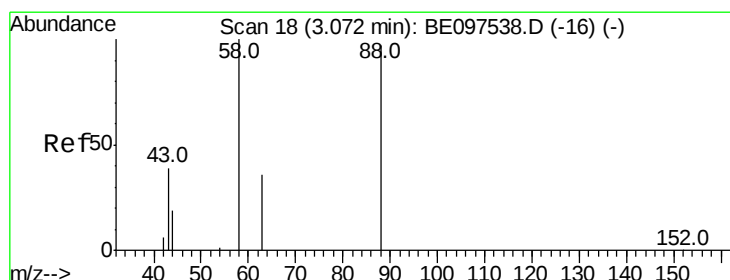
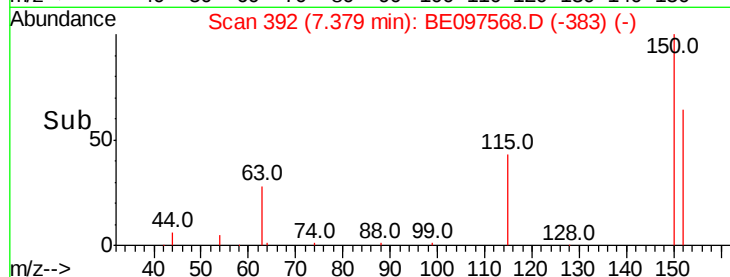
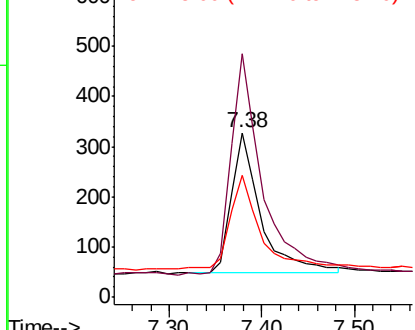
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097568.D
Acq: 20 Sep 2018 8:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 623
Ion Ratio Lower Upper
152 100
150 148.3 117.2 175.8
115 74.3 57.0 85.6



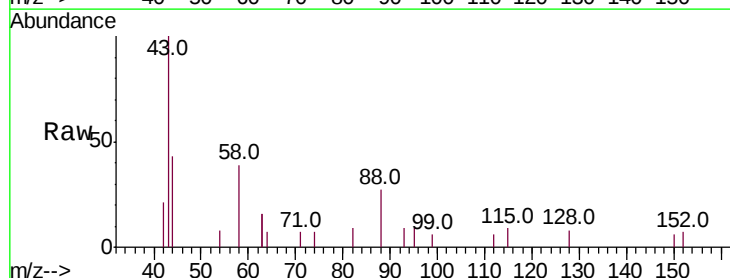
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



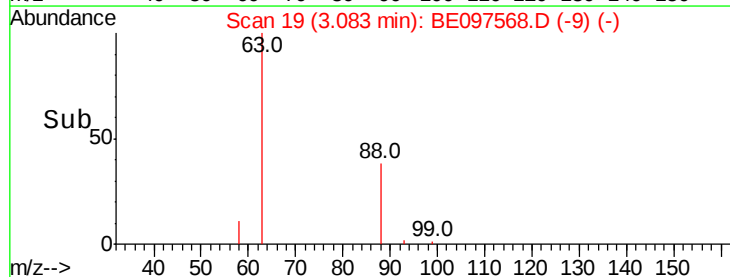
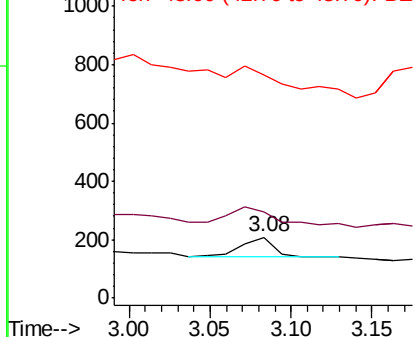
#2

1,4-Dioxane
Concen: 0.059 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097568.D
Acq: 20 Sep 2018 8:58

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
58 113.0 63.2 94.8#
43 0.0 41.2 61.8#



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: 0.036 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.03 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Instrument :

BNA_E

ClientSampleId :

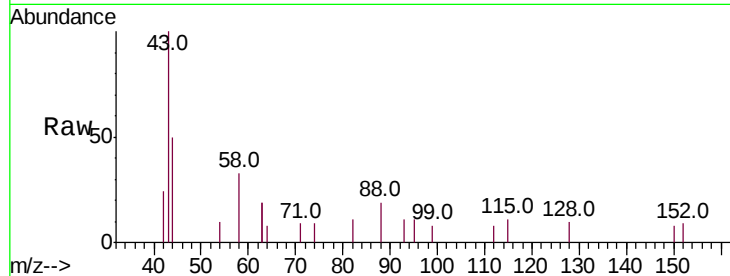
Tot Ion: 42 Resp: 18

Ion Ratio Lower Upper

42 100

74 0.0 96.0 144.0#

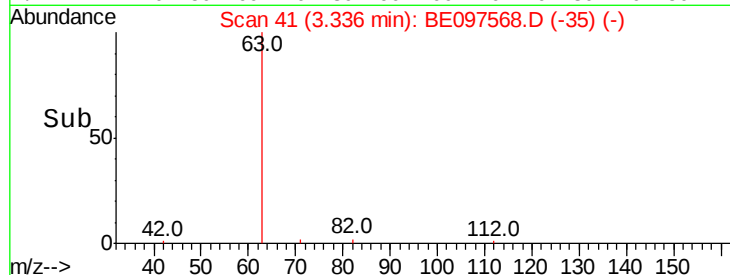
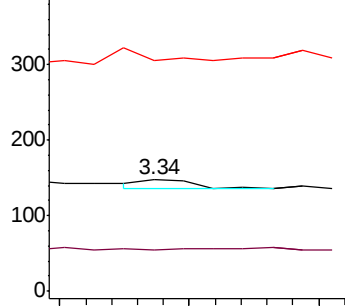
44 138.9 12.0 18.0#



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: 0.144 ng

RT: 5.06 min Scan# 191

Delta R.T. 0.02 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

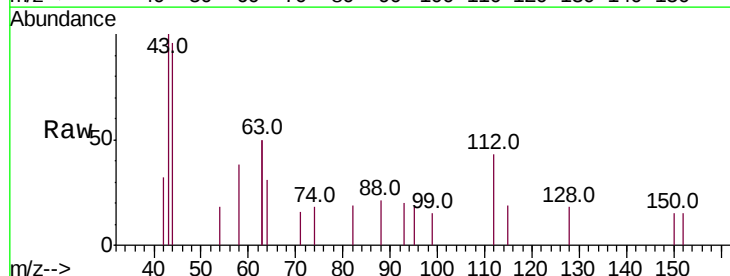
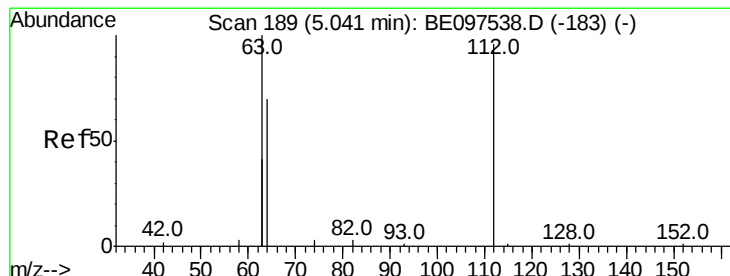
Tgt Ion: 112 Resp: 269

Ion Ratio Lower Upper

112 100

64 67.3 60.1 90.1

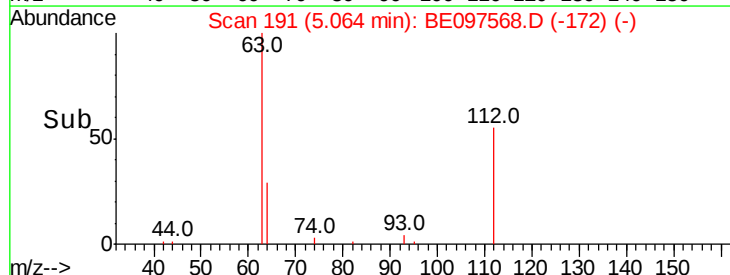
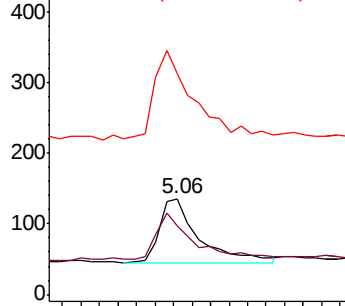
63 153.5 116.8 175.2

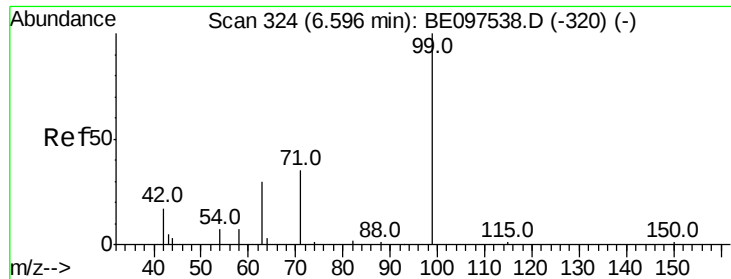


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.002 ng

RT: 6.57 min Scan# 322

Delta R.T. -0.02 min

Lab File: BE097568.D

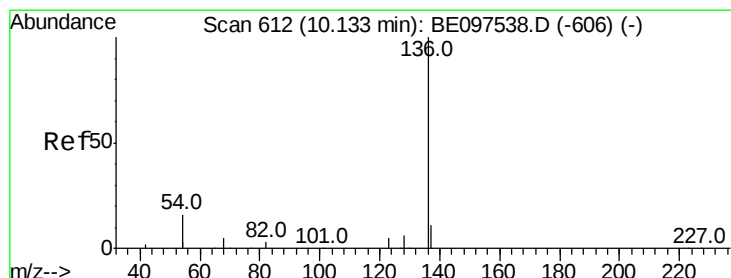
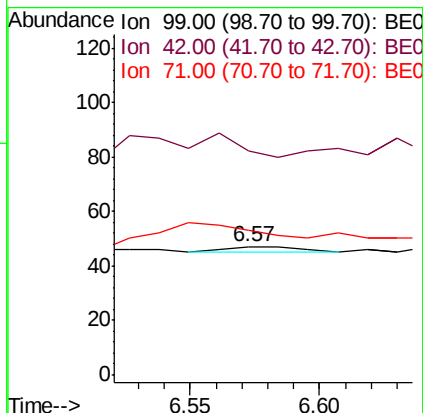
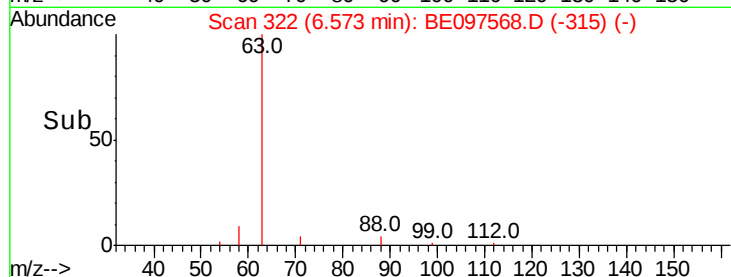
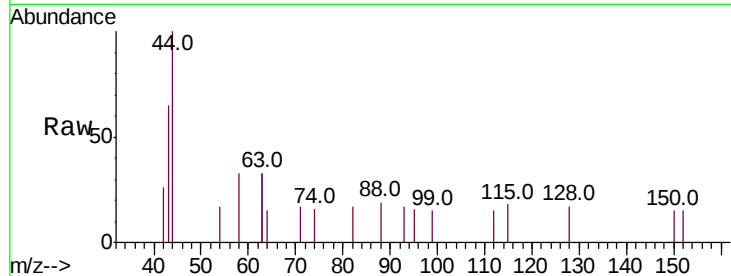
Acq: 20 Sep 2018 8:58

Instrument :

BNA_E

ClientSampled :

Tot Ion:	99	Resp:	4
Ion	Ratio	Lower	Upper
99	100		
42	0.0	20.2	30.2#
71	0.0	28.4	42.6#



#7

Naphthalene-d8

Concen: 0.400 ng

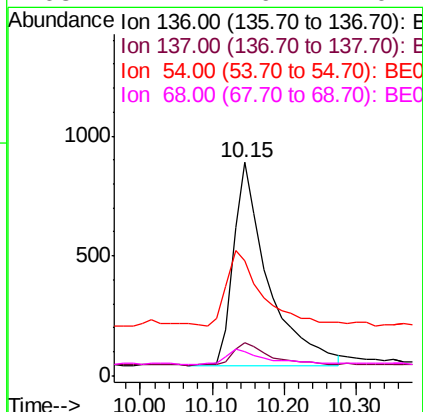
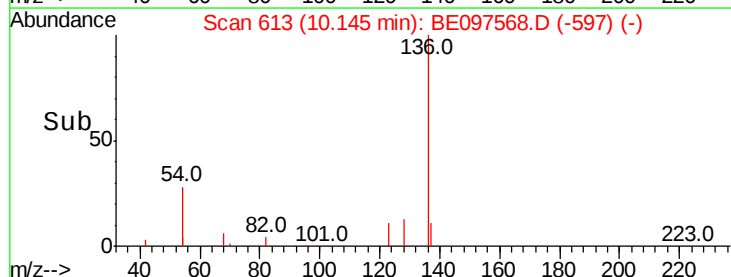
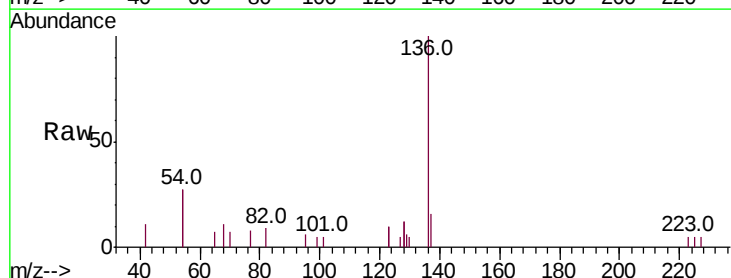
RT: 10.15 min Scan# 613

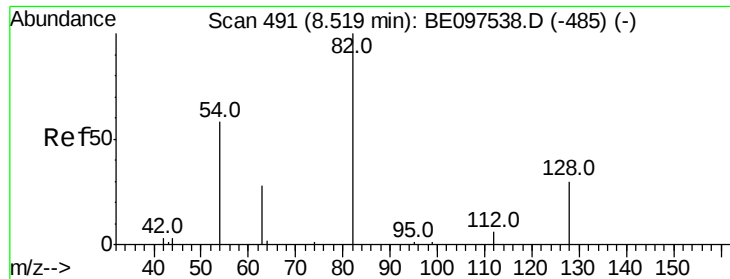
Delta R.T. 0.01 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Tgt Ion:	136	Resp:	2812
Ion	Ratio	Lower	Upper
136	100		
137	15.5	9.5	14.3#
54	53.9	29.1	43.7#
68	11.1	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.264 ng

RT: 8.58 min Scan# 496

Delta R.T. 0.06 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Instrument :

BNA_E

ClientSampleId :

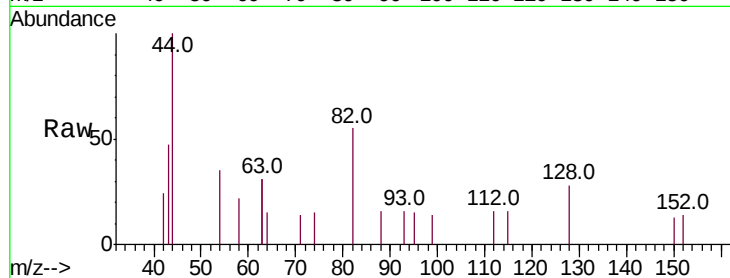
Tot Ion: 82 Resp: 574

Ion Ratio Lower Upper

82 100

128 51.3 24.0 36.0#

54 63.1 40.0 60.0#

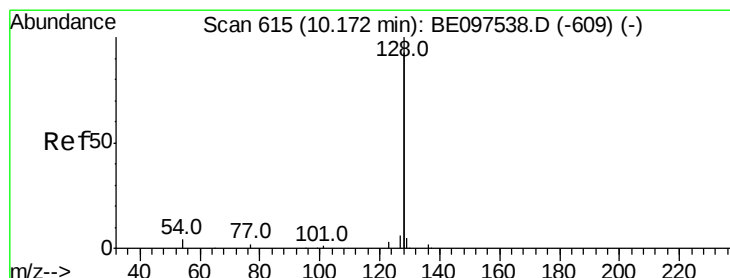
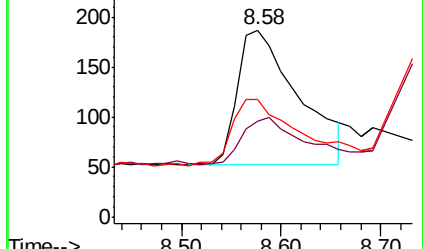
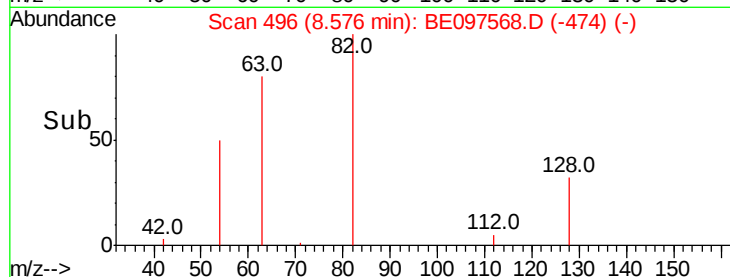


Abundance Ion 82.00 (81.70 to 82.70): BE097538.D (-485) (-)

Ion 128.00 (127.70 to 128.70): BE097538.D (-485) (-)

Ion 54.00 (53.70 to 54.70): BE097538.D (-485) (-)

Time-->



#9

Naphthalene

Concen: 0.029 ng

RT: 10.20 min Scan# 617

Delta R.T. 0.03 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

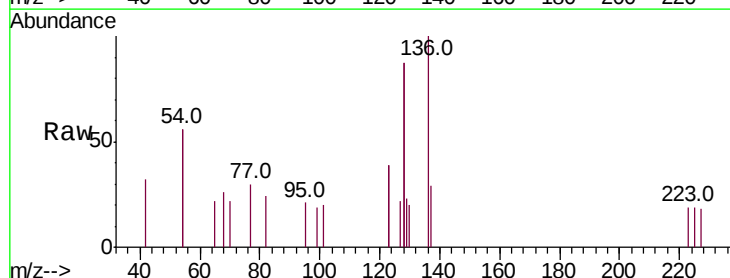
Tgt Ion: 128 Resp: 737

Ion Ratio Lower Upper

128 100

129 13.2 2.6 3.8#

127 12.9 2.8 4.2#

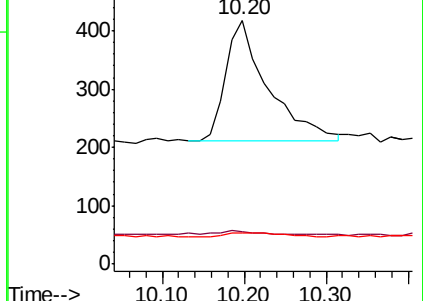
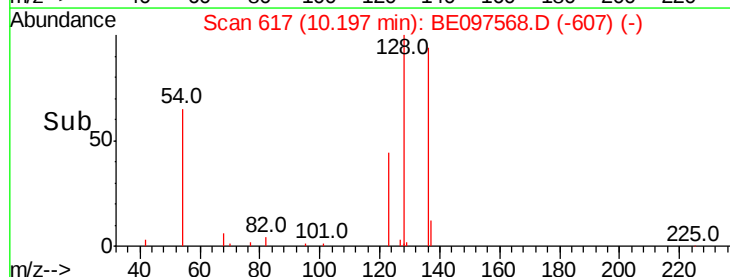


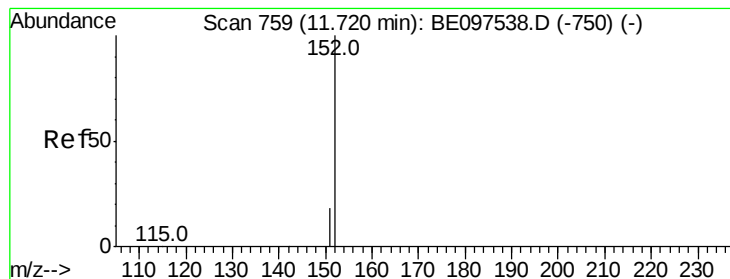
Abundance Ion 128.00 (127.70 to 128.70): BE097538.D (-609) (-)

Ion 129.00 (128.70 to 129.70): BE097538.D (-609) (-)

Ion 127.00 (126.70 to 127.70): BE097538.D (-609) (-)

Time-->





#11

2-Methylnaphthalene-d10

Concen: 0.398 ng

RT: 11.75 min Scan# 766

Delta R.T. 0.03 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Instrument :

BNA_E

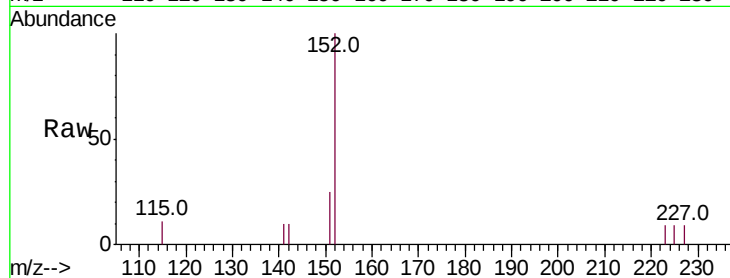
ClientSampleId :

Tot Ion:152 Resp: 1541

Ion Ratio Lower Upper

152 100

151 18.2 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

500

400

300

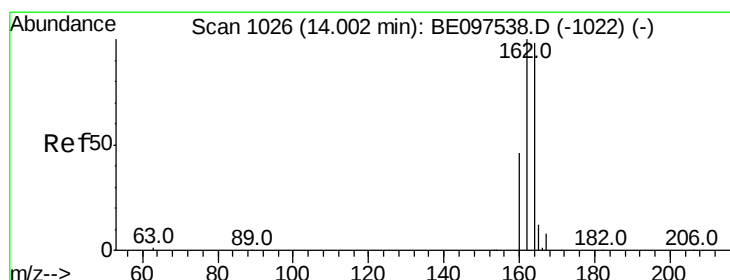
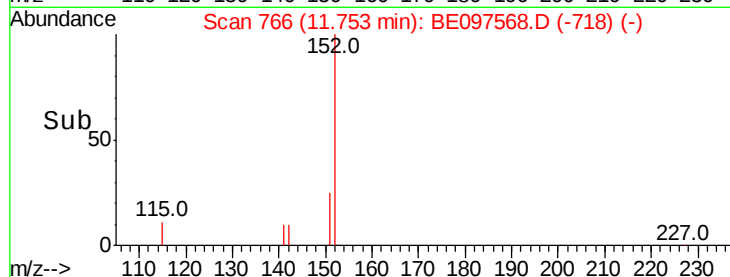
200

100

0

Time-->

11.70 11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.01 min Scan# 1027

Delta R.T. 0.01 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

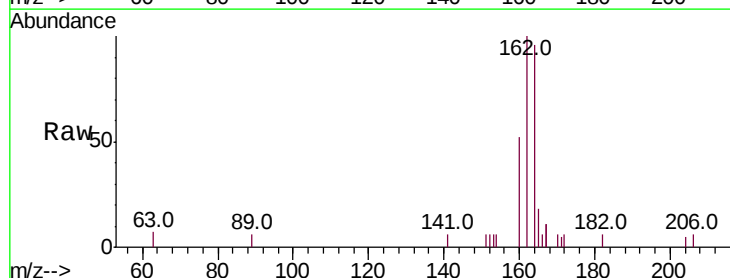
Tgt Ion:164 Resp: 1868

Ion Ratio Lower Upper

164 100

162 103.7 83.1 124.7

160 53.8 37.1 55.7



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

14.01

1000

800

600

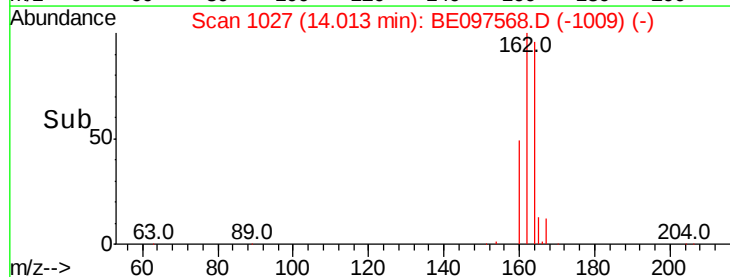
400

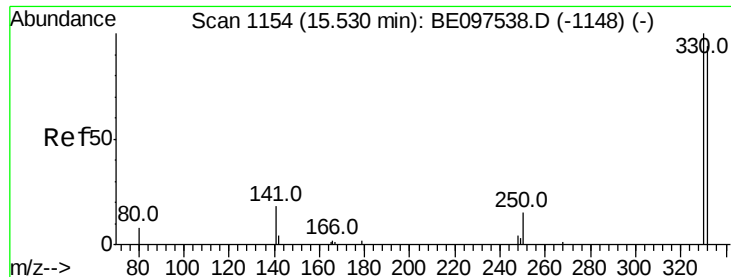
200

0

Time-->

13.80 14.00 14.20

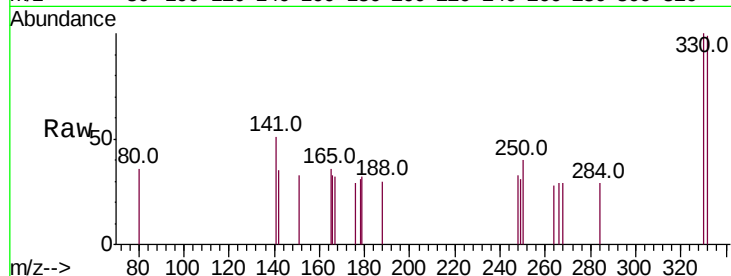




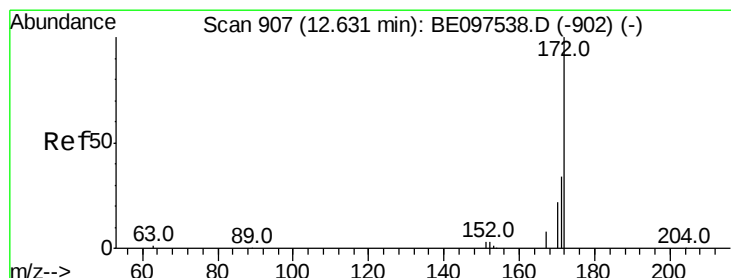
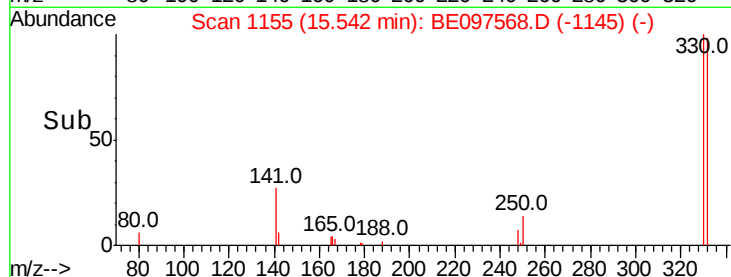
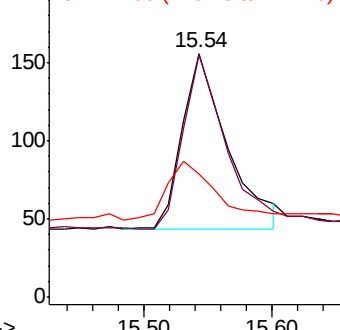
#14
 2,4,6-Tribromophenol
 Concen: 0.401 ng
 RT: 15.54 min Scan# 1155
 Delta R.T. 0.01 min
 Lab File: BE097568.D
 Acq: 20 Sep 2018 8:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 280
 Ion Ratio Lower Upper
 330 100
 332 94.6 152.7 229.1#
 141 36.1 33.7 50.5

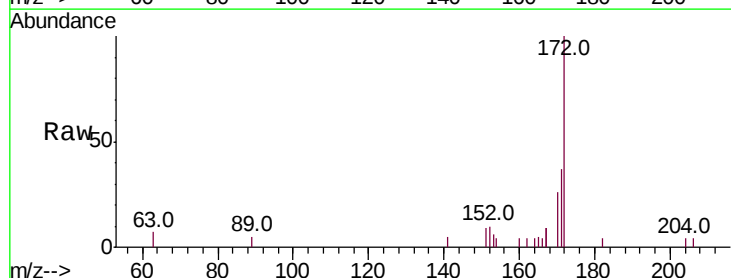


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

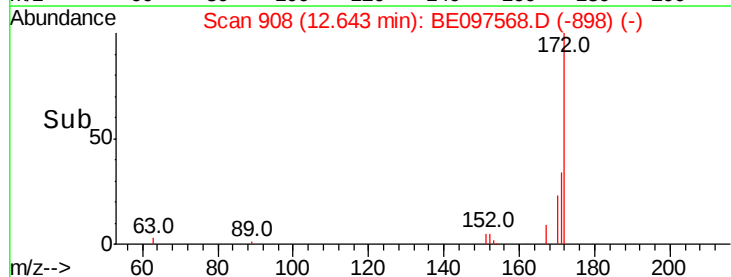
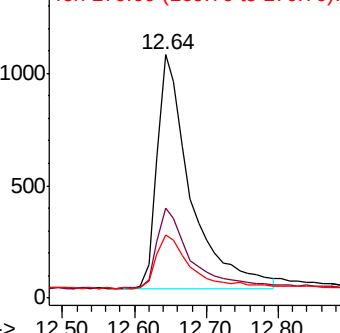


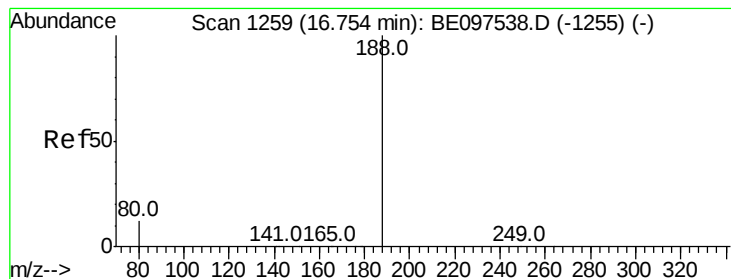
#15
 2-Fluorobiphenyl
 Concen: 0.506 ng
 RT: 12.64 min Scan# 908
 Delta R.T. 0.01 min
 Lab File: BE097568.D
 Acq: 20 Sep 2018 8:58

Tgt Ion:172 Resp: 3342
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.9 44.9
 170 26.2 21.8 32.8



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.77 min Scan# 1260

Delta R.T. 0.01 min

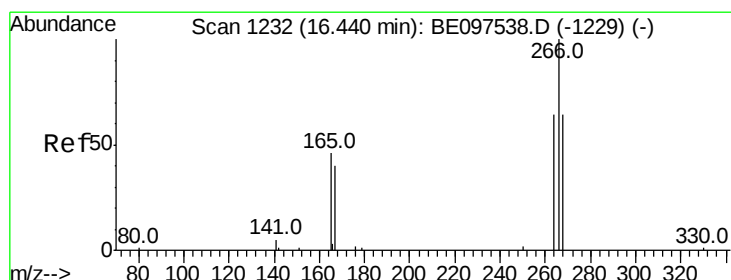
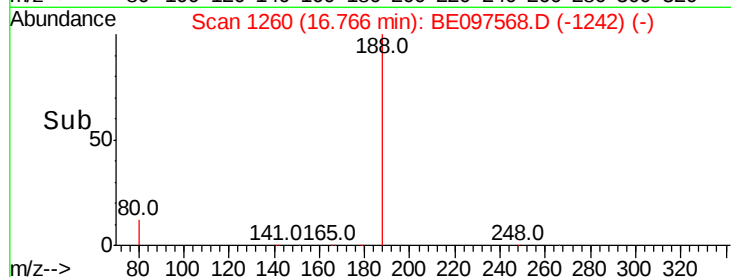
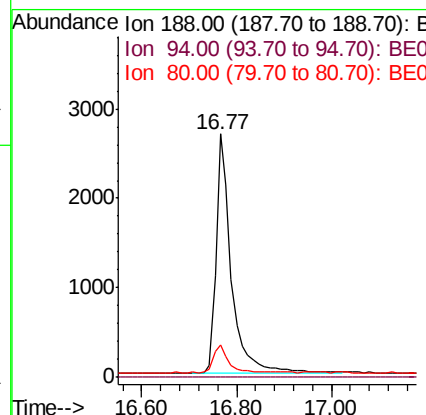
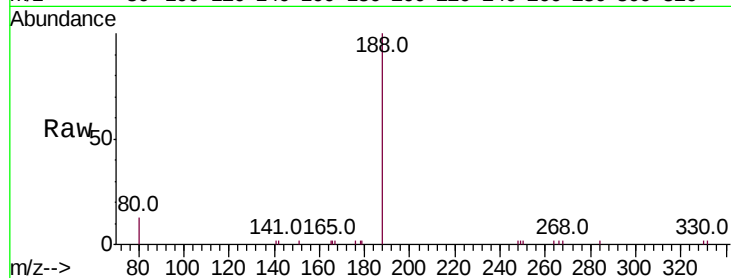
Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 6132

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.5	3.6	5.4#



#22

Pentachlorophenol

Concen: 0.130 ng

RT: 16.42 min Scan# 1230

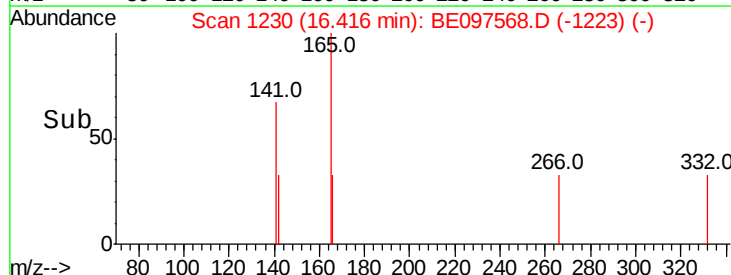
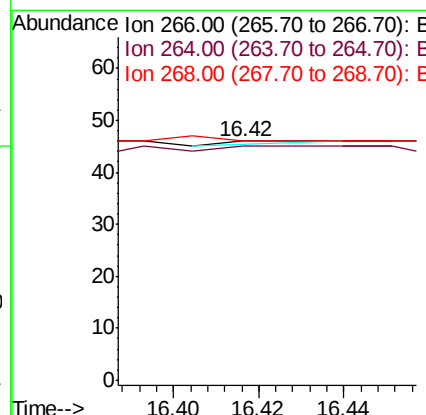
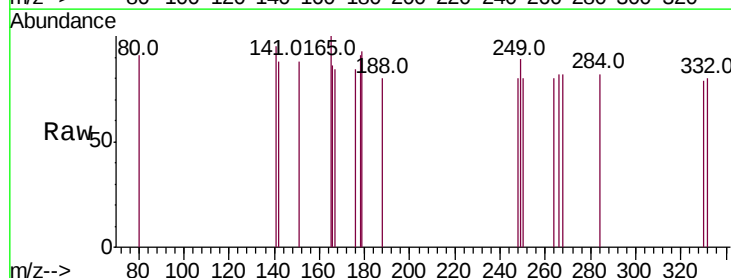
Delta R.T. -0.02 min

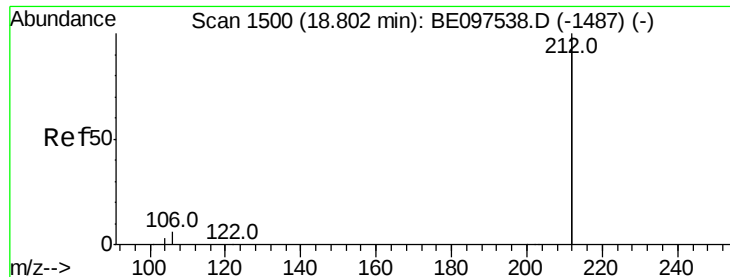
Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Tgt Ion:266 Resp: 1

Ion	Ratio	Lower	Upper
266	100		
264	97.8	72.5	108.7
268	100.0	73.8	110.6





#25

Fluoranthene-d10

Concen: 0.390 ng

RT: 18.80 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Instrument :

BNA_E

ClientSampleId :

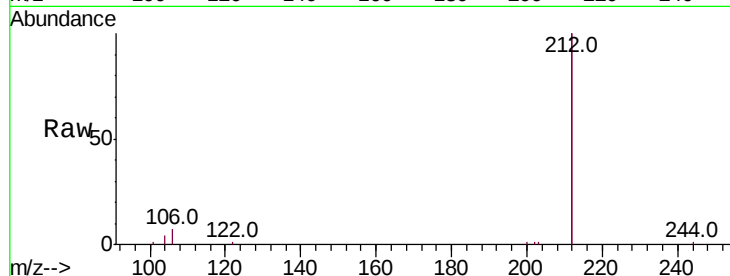
Tot Ion:212 Resp: 30628

Ion Ratio Lower Upper

212 100

106 3.1 2.8 4.2

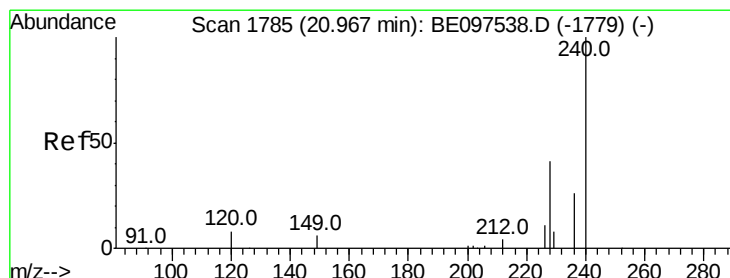
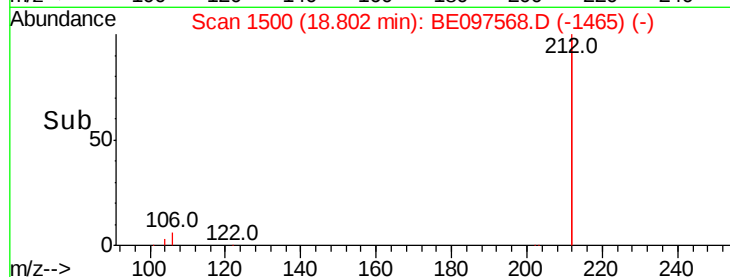
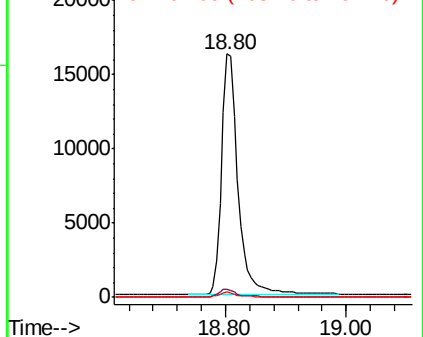
104 1.7 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 20.97 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

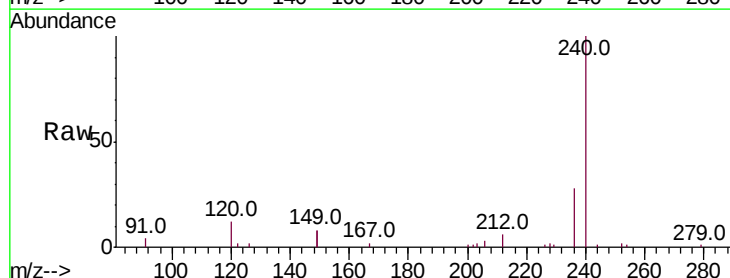
Tgt Ion:240 Resp: 8056

Ion Ratio Lower Upper

240 100

120 11.8 5.5 8.3#

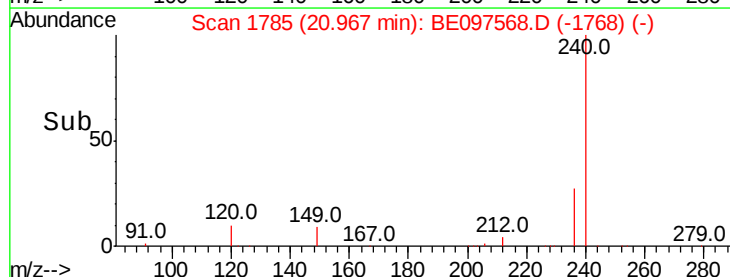
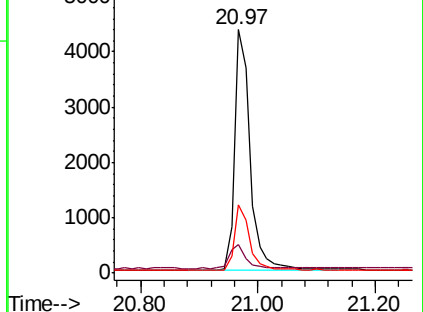
236 28.1 20.7 31.1

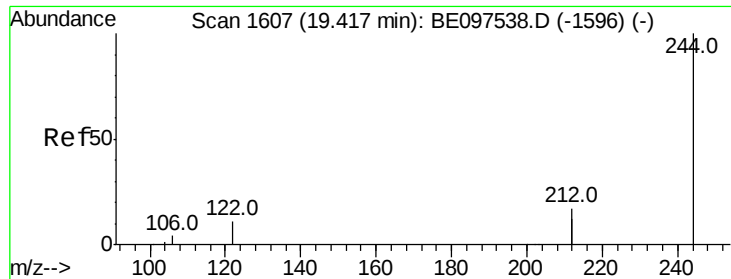


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.508 ng

RT: 19.42 min Scan# 1607

Delta R.T. 0.00 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

Instrument :

BNA_E

ClientSampleId :

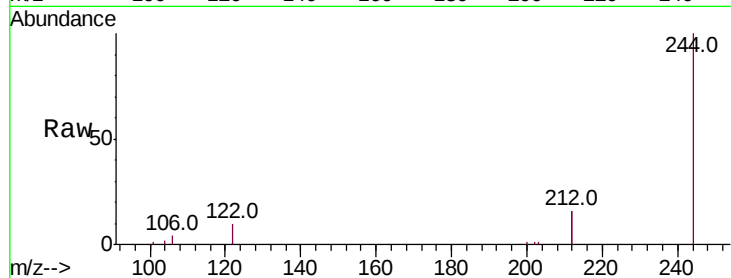
Tot Ion:244 Resp: 7496

Ion Ratio Lower Upper

244 100

212 31.0 25.4 38.0

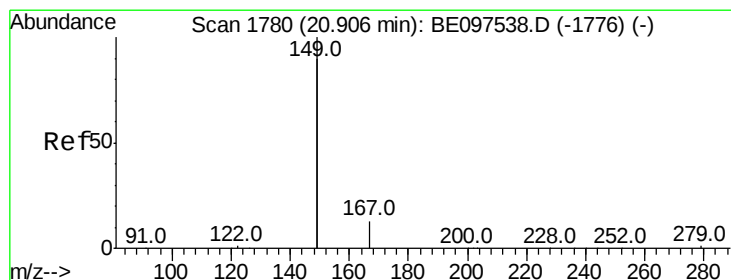
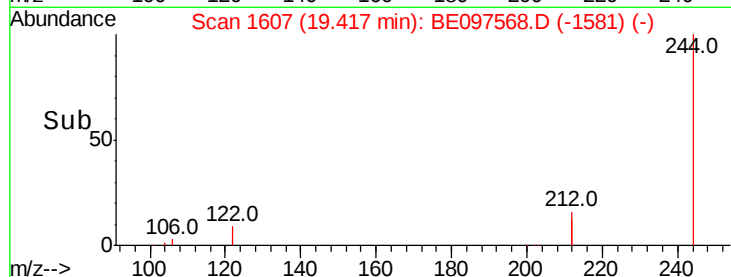
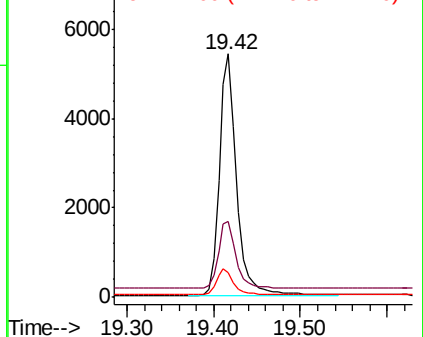
122 10.3 8.1 12.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.100 ng

RT: 20.91 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BE097568.D

Acq: 20 Sep 2018 8:58

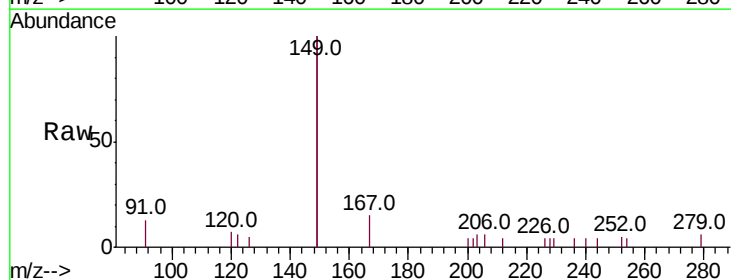
Tgt Ion:149 Resp: 3045

Ion Ratio Lower Upper

149 100

167 5.8 5.4 8.0

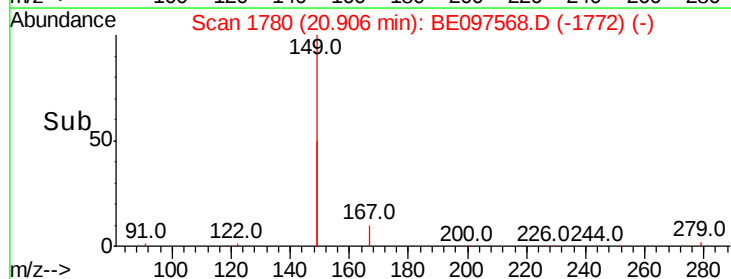
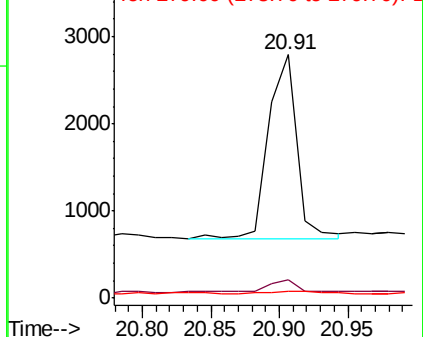
279 1.3 0.7 1.1#

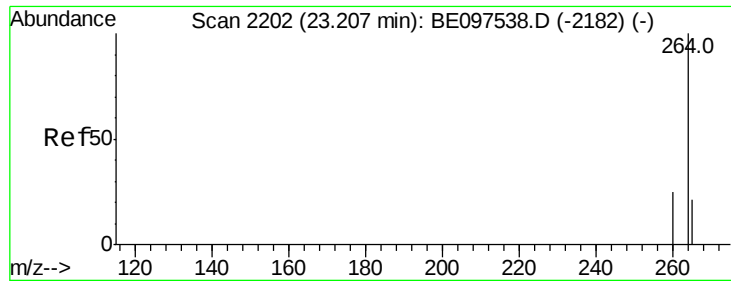


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

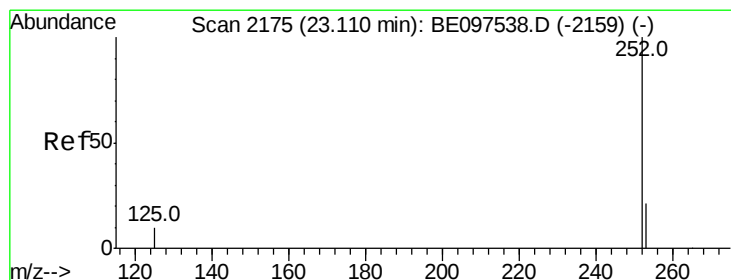
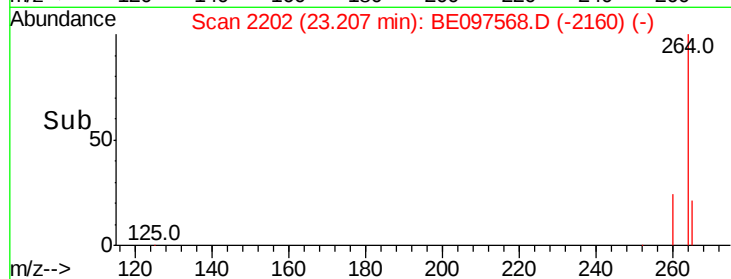
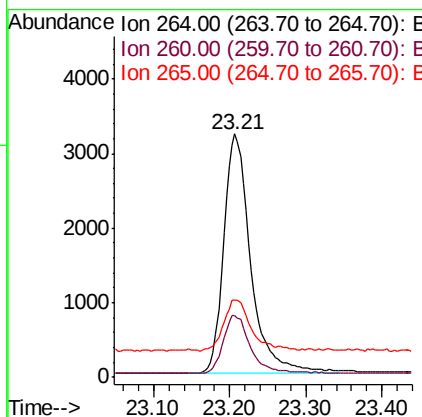
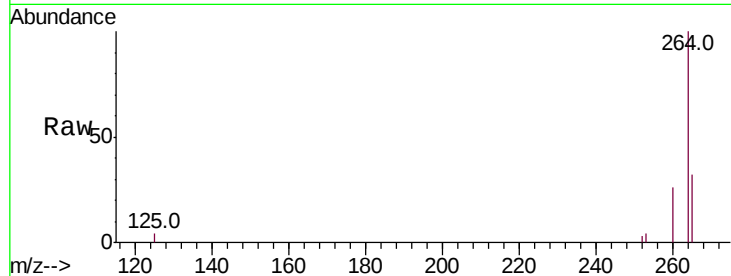




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.21 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BE097568.D
 Acq: 20 Sep 2018 8:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:264 Resp: 7911
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.5 30.7
 265 31.9 22.8 34.2



#37
 Benzo(a)pyrene
 Concen: 0.021 ng
 RT: 23.10 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BE097568.D
 Acq: 20 Sep 2018 8:58

Tgt Ion:252 Resp: 2
 Ion Ratio Lower Upper
 252 100
 253 140.4 16.0 24.0#
 125 131.9 12.0 18.0#

