

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032318\
 Data File : BE095828.D
 Acq On : 23 Mar 2018 18:13
 Operator : SJ/JU
 Sample : PB107346BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB107346BL

Quant Time: Mar 24 00:19:42 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

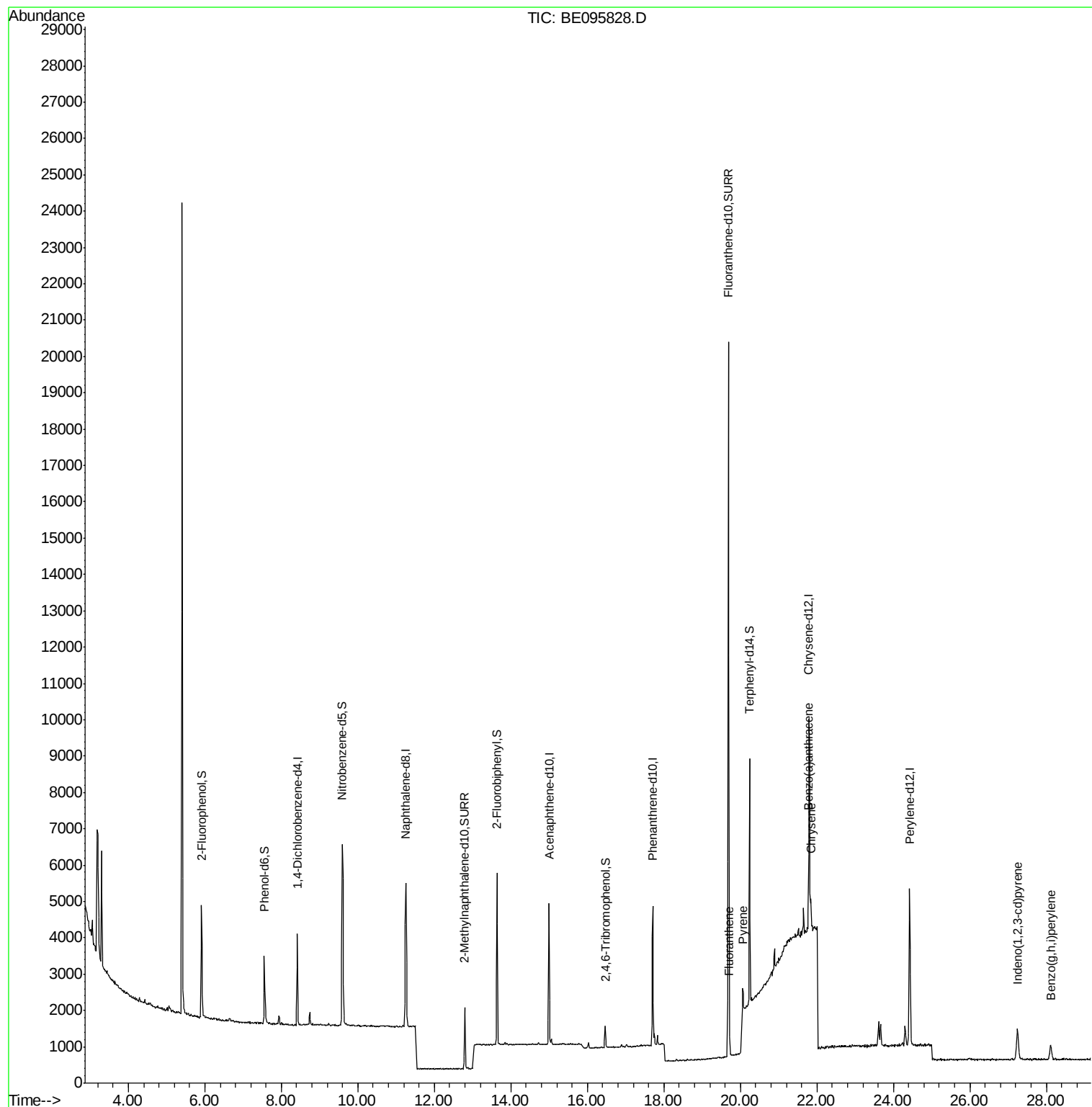
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1205	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	4339	0.40	ng	0.00
13) Acenaphthene-d10	15.00	164	2323	0.40	ng	0.00
19) Phenanthrene-d10	17.71	188	5465	0.40	ng	0.00
27) Chrysene-d12	21.79	240	6438	0.40	ng	-0.01
34) Perylene-d12	24.43	264	6606	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	1434	0.36	ng	0.00
5) Phenol-d6	7.57	99	1876	0.34	ng	0.00
8) Nitrobenzene-d5	9.59	82	2119	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.80	152	2264	0.31	ng	0.00
14) 2,4,6-Tribromophenol	16.47	330	385	0.29	ng	0.00
15) 2-Fluorobiphenyl	13.63	172	4267	0.44	ng	-0.01
25) Fluoranthene-d10	19.68	212	25387	0.31	ng	0.00
29) Terphenyl-d14	20.24	244	6207	0.45	ng	0.00
Target Compounds						
26) Fluoranthene	19.72	202	590	0.026	ng	# 95
28) Pyrene	20.06	202	821	0.031	ng	# 90
30) Benzo(a)anthracene	21.78	228	912	0.041	ng	# 81
31) Chrysene	21.84	228	827	0.041	ng	# 74
33) Indeno(1,2,3-cd)pyrene	27.24	276	1205	0.055	ng	# 92
39) Benzo(g,h,i)perylene	28.10	276	1067	0.055	ng	# 55

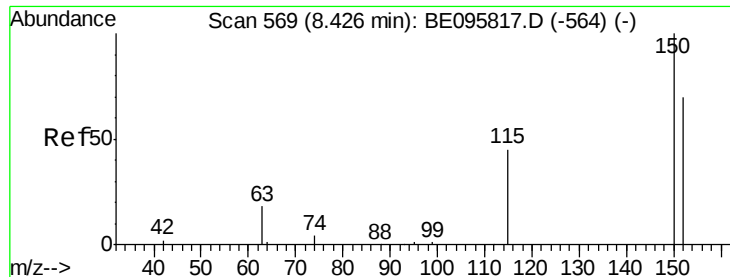
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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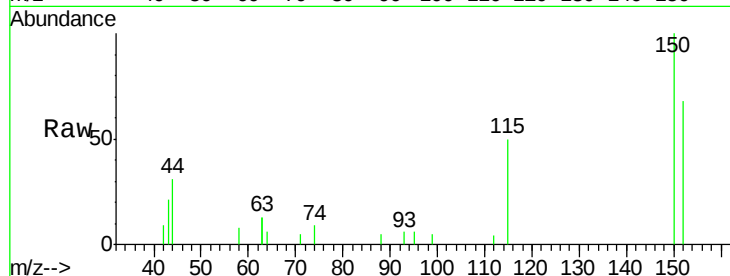


#1

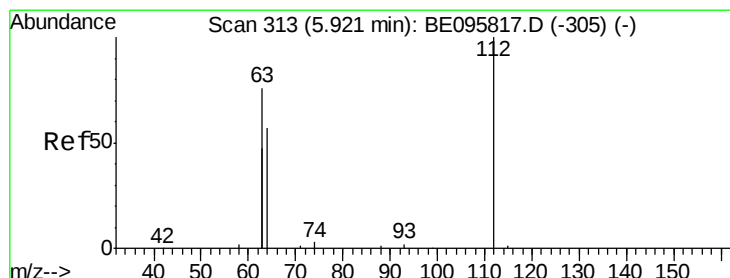
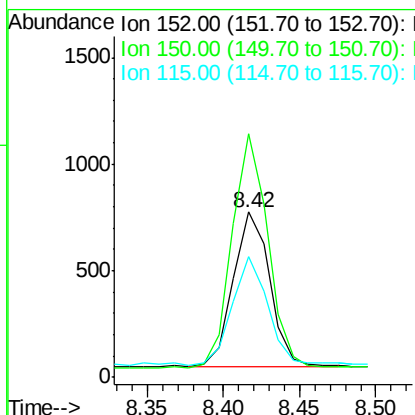
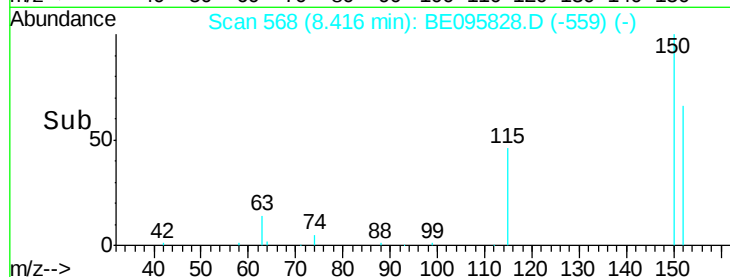
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

Instrument :
BNA_E
ClientSampleId :
PB107346BL

Tot Ion:152 Resp: 1205
Ion Ratio Lower Upper
152 100
150 147.5 117.2 175.8
115 73.1 57.0 85.6



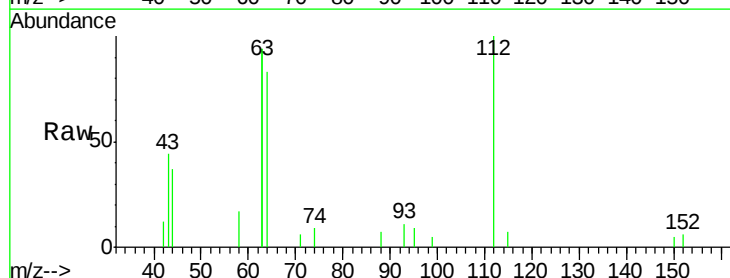
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



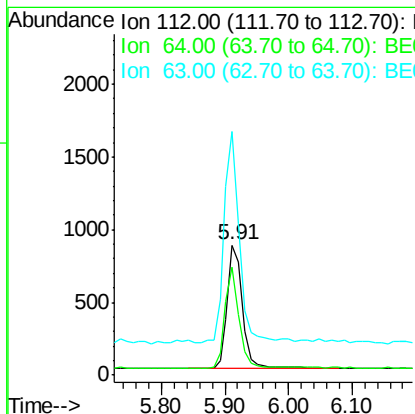
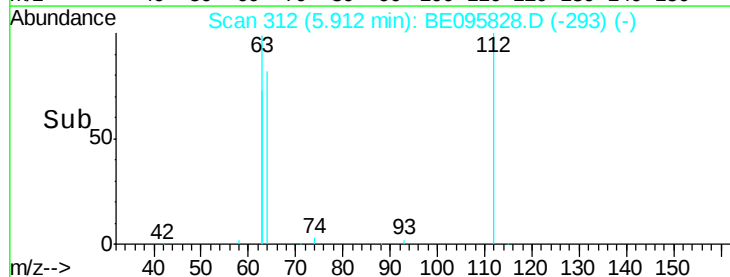
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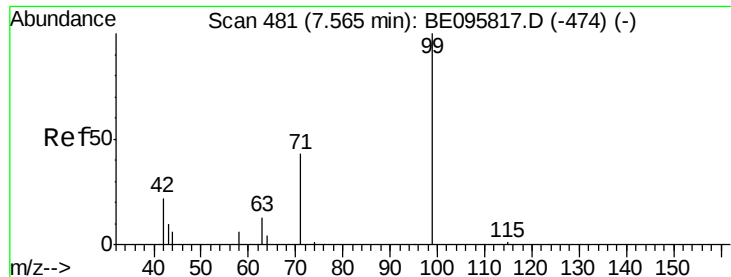
2-Fluorophenol
Concen: 0.361 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

Tgt Ion:112 Resp: 1434
Ion Ratio Lower Upper
112 100
64 76.5 60.1 90.1
63 167.2 116.8 175.2



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: 0.343 ng

RT: 7.57 min Scan# 481

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampled :

PB107346BL

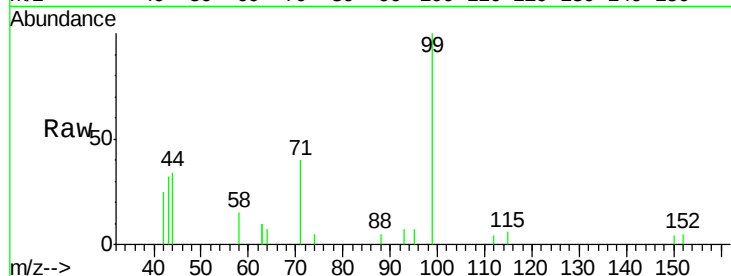
Tot Ion: 99 Resp: 1876

Ion Ratio Lower Upper

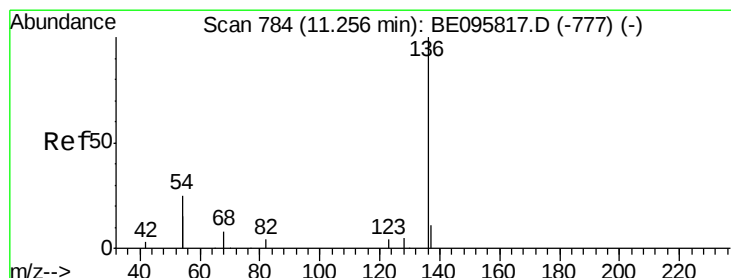
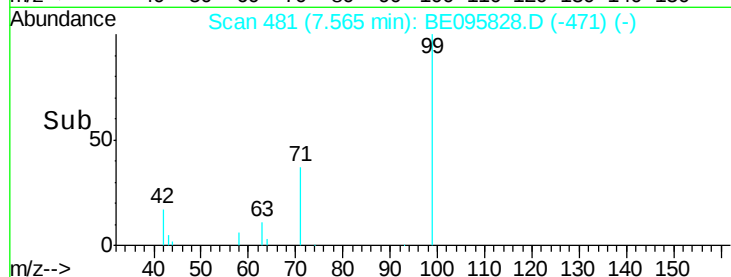
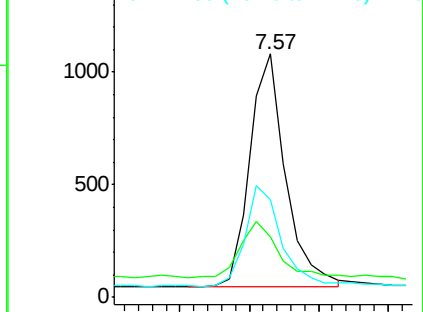
99 100

42 24.4 20.2 30.2

71 43.3 28.4 42.6#



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: 0.400 ng

RT: 11.26 min Scan# 784

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Tgt Ion:136 Resp: 4339

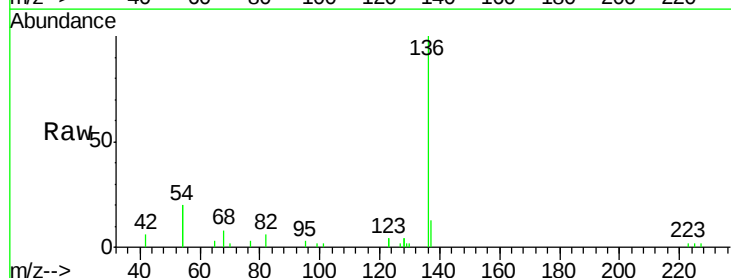
Ion Ratio Lower Upper

136 100

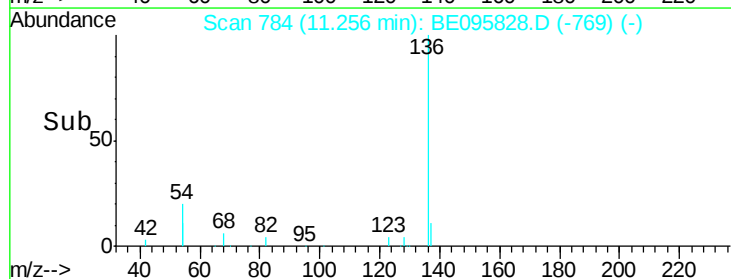
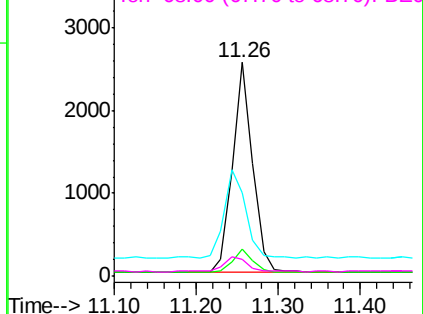
137 12.7 9.5 14.3

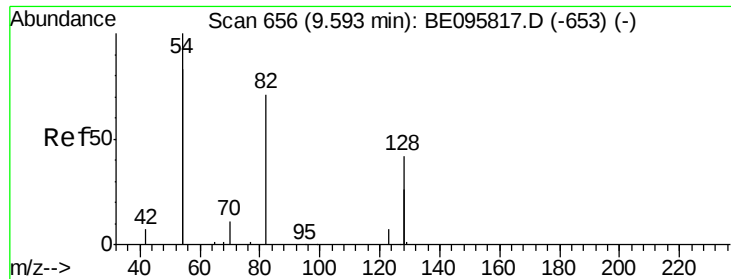
54 39.1 29.1 43.7

68 7.7 6.2 9.2



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

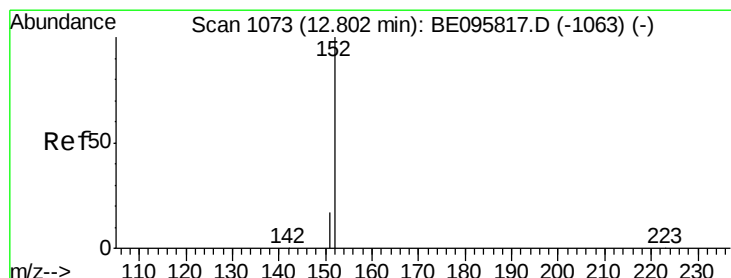
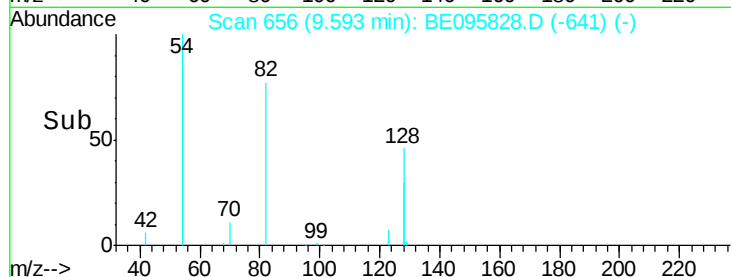
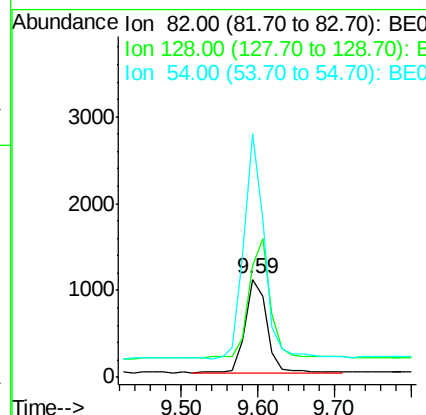
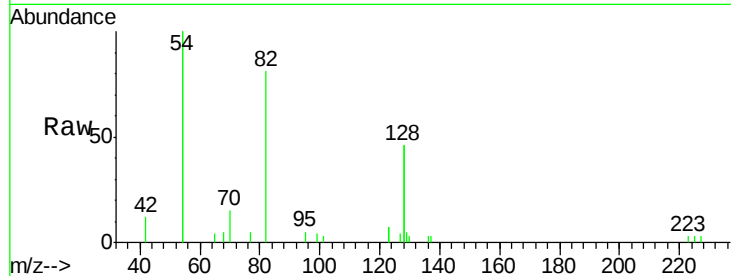




#8
 Nitrobenzene-d5
 Concen: 0.413 ng
 RT: 9.59 min Scan# 656
 Delta R.T. -0.00 min
 Lab File: BE095828.D
 Acq: 23 Mar 2018 18:13

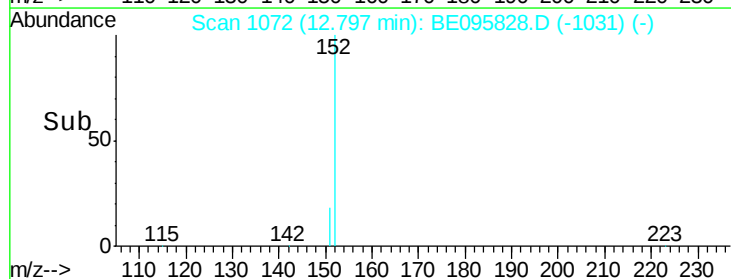
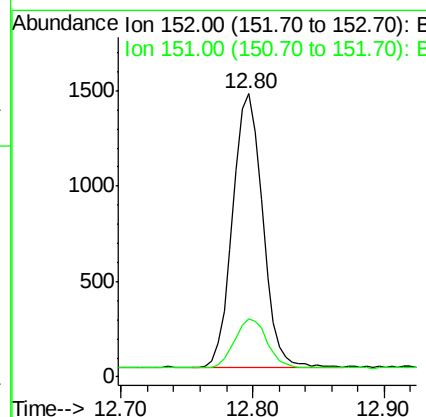
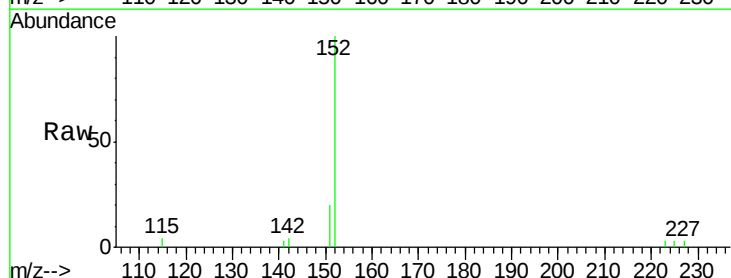
Instrument :
 BNA_E
 ClientSampleId :
 PB107346BL

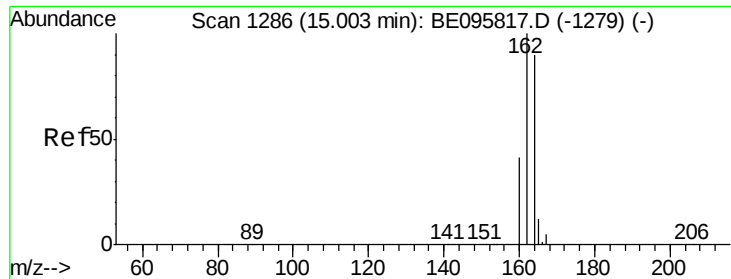
Tot Ion	Ratio	Lower	Upper
82	100		
128	113.6	150.0	225.0#
54	248.2	154.2	231.4#



#11
 2-Methylnaphthalene-d10
 Concen: 0.313 ng
 RT: 12.80 min Scan# 1072
 Delta R.T. -0.00 min
 Lab File: BE095828.D
 Acq: 23 Mar 2018 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 15.00 min Scan# 1286

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB107346BL

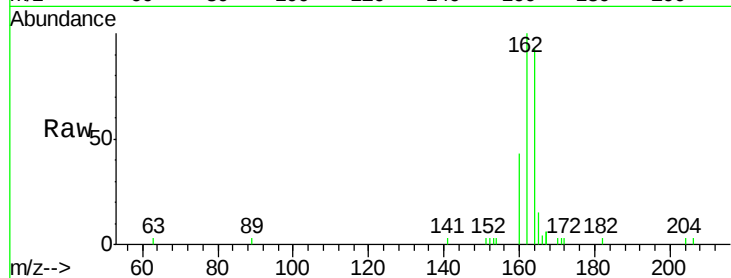
Tot Ion:164 Resp: 2323

Ion Ratio Lower Upper

164 100

162 107.3 83.1 124.7

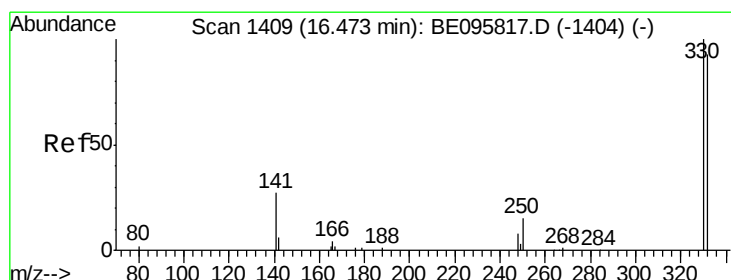
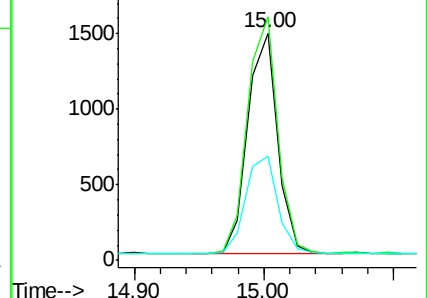
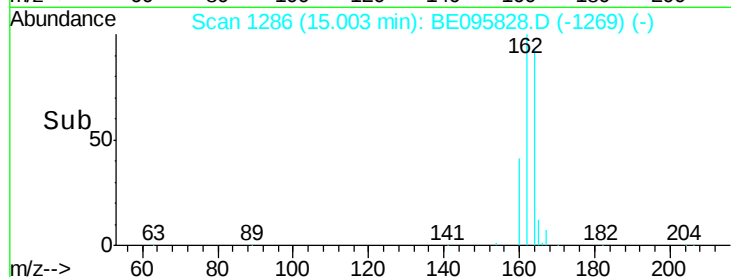
160 46.1 37.1 55.7



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

2,4,6-Tribromophenol

Concen: 0.287 ng

RT: 16.47 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

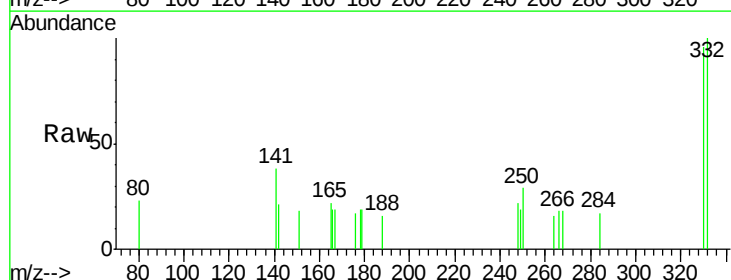
Tgt Ion:330 Resp: 385

Ion Ratio Lower Upper

330 100

332 96.6 152.7 229.1#

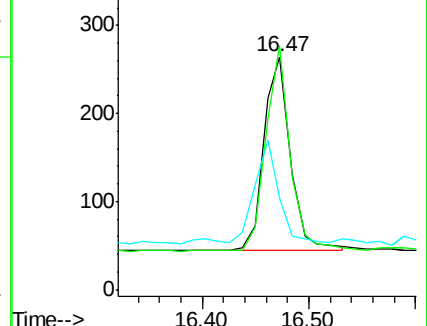
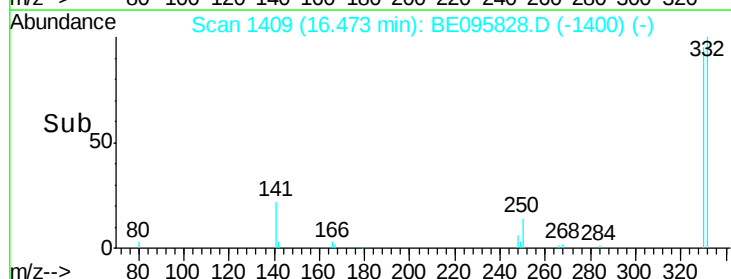
141 47.0 33.7 50.5

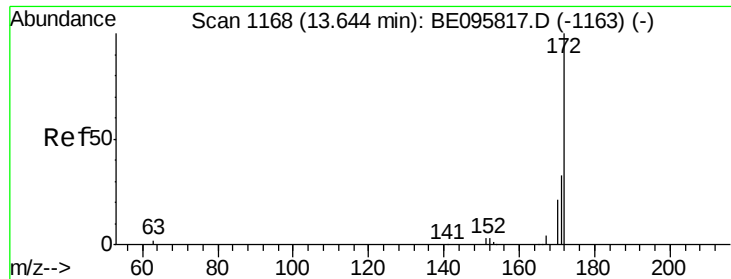


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

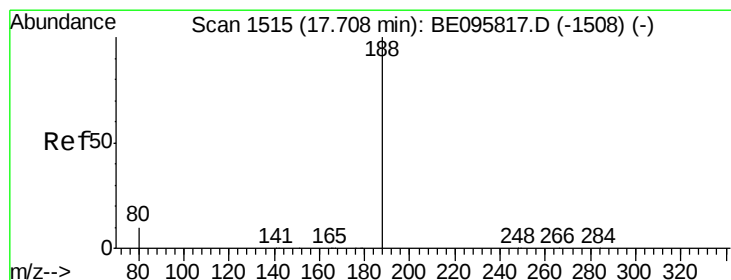
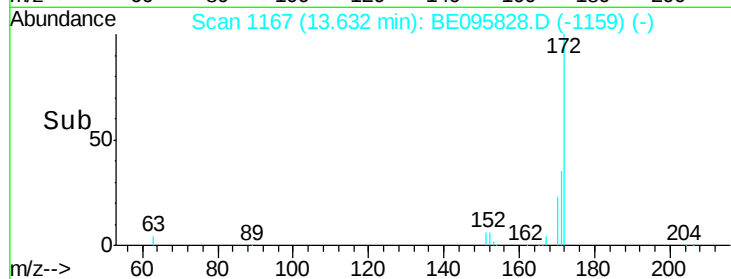
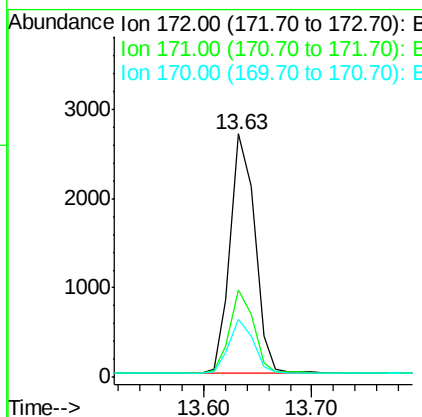
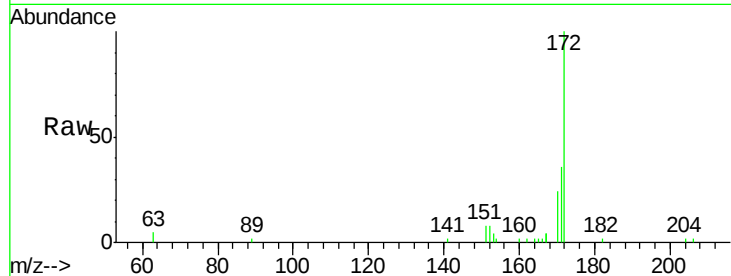




#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

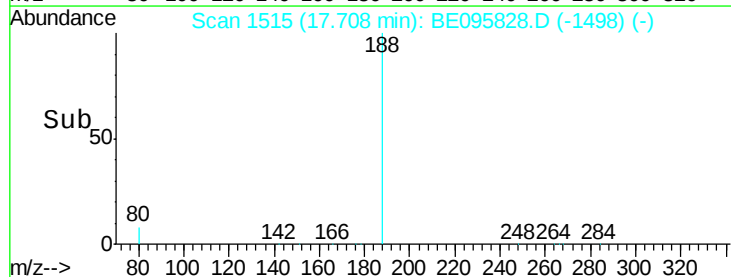
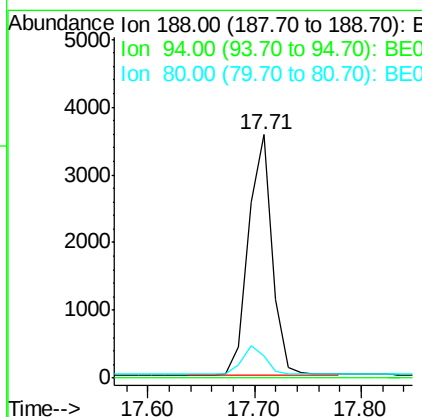
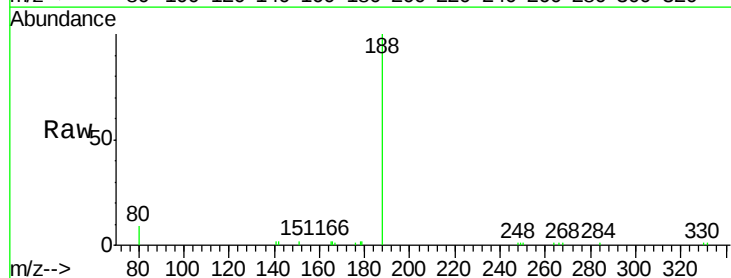
Instrument :
BNA_E
ClientSampleId :
PB107346BL

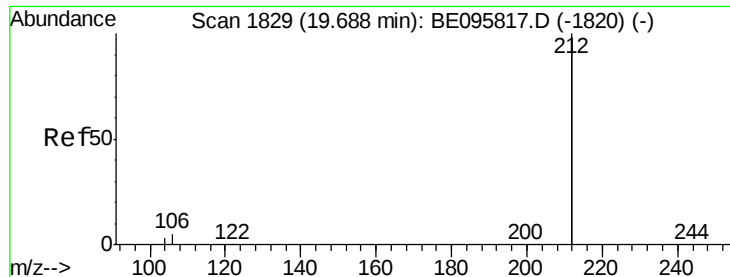
Tot Ion:172 Resp: 4267
Ion Ratio Lower Upper
172 100
171 36.1 29.9 44.9
170 23.9 21.8 32.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. 0.00 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

Tgt Ion:188 Resp: 5465
Ion Ratio Lower Upper
188 100
94 0.0 3.9 5.9#
80 9.3 3.6 5.4#





#25

Fluoranthene-d10

Concen: 0.313 ng

RT: 19.68 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB107346BL

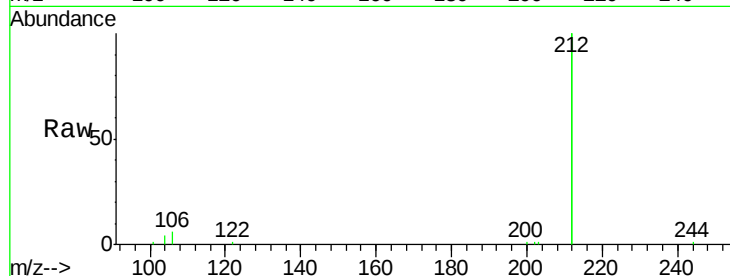
Tot Ion:212 Resp: 25387

Ion Ratio Lower Upper

212 100

106 2.9 2.8 4.2

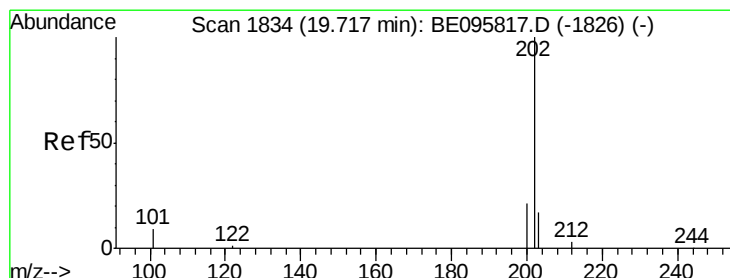
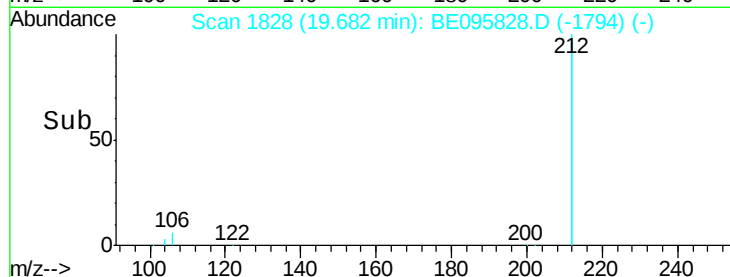
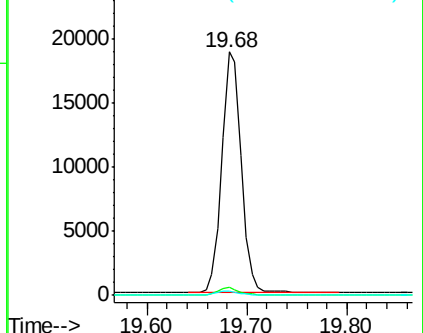
104 1.6 1.6 2.4#



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



#26

Fluoranthene

Concen: 0.026 ng

RT: 19.72 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

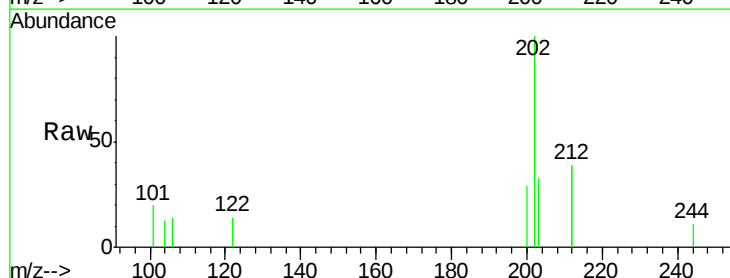
Tgt Ion:202 Resp: 590

Ion Ratio Lower Upper

202 100

101 12.9 9.8 14.8

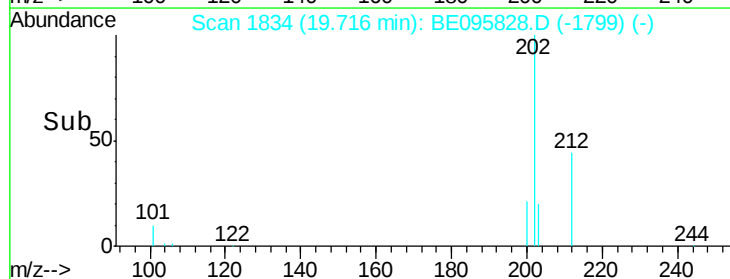
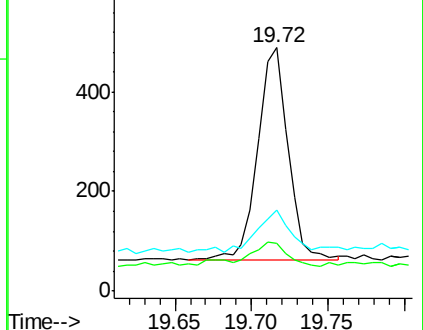
203 20.7 13.7 20.5#

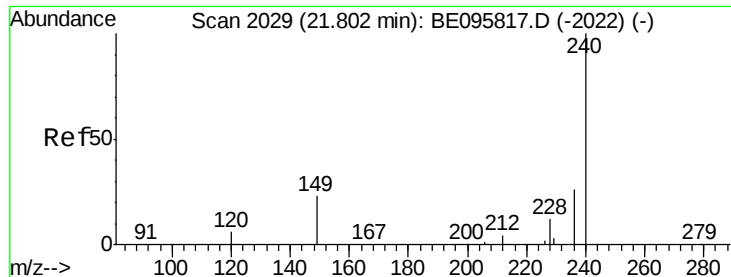


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.79 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampleId :

PB107346BL

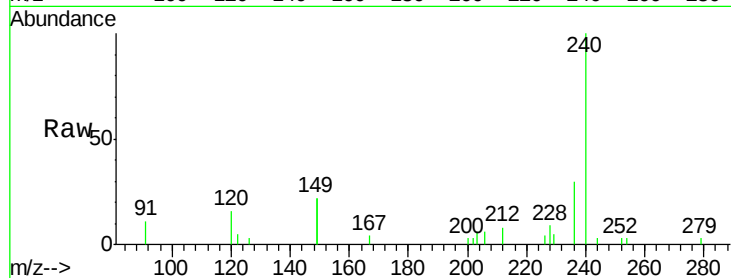
Tot Ion:240 Resp: 6438

Ion Ratio Lower Upper

240 100

120 16.1 5.5 8.3#

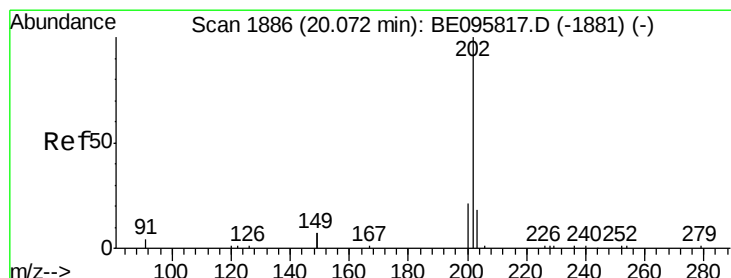
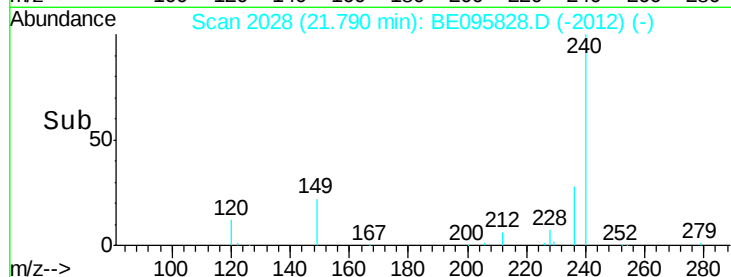
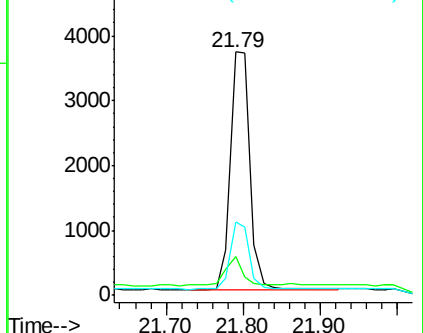
236 30.2 20.7 31.1



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



#28

Pyrene

Concen: 0.031 ng

RT: 20.06 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

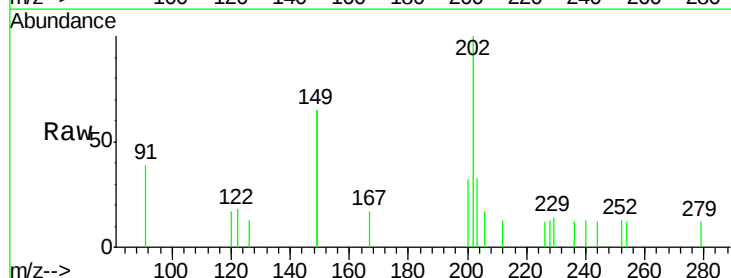
Tgt Ion:202 Resp: 821

Ion Ratio Lower Upper

202 100

200 27.8 16.6 25.0#

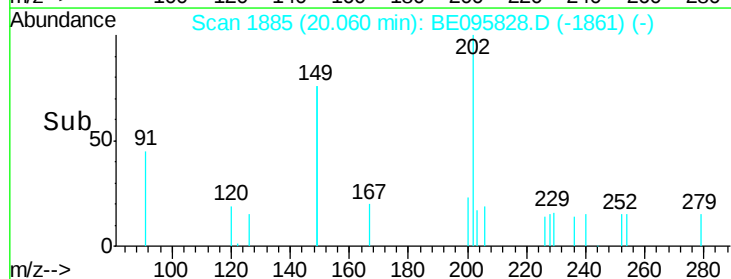
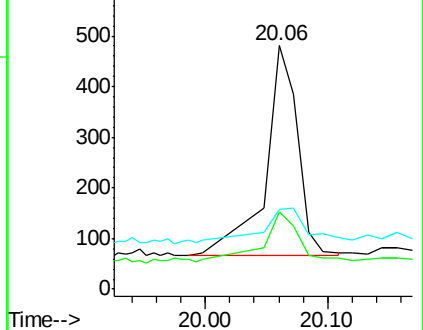
203 19.0 13.8 20.8

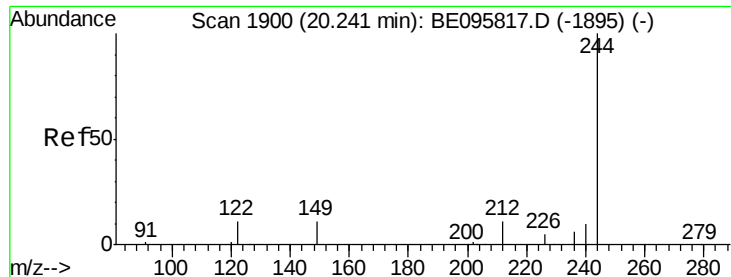


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.454 ng

RT: 20.24 min Scan# 1900

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampled :

PB107346BL

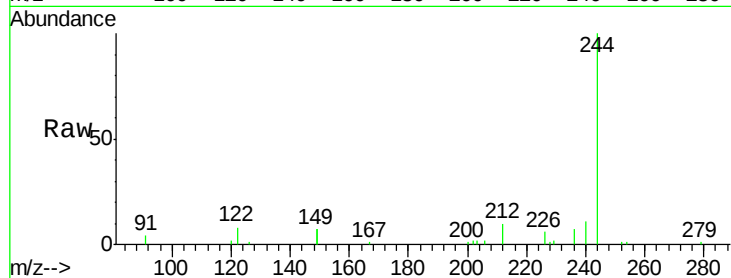
Tot Ion:244 Resp: 6207

Ion Ratio Lower Upper

244 100

212 9.7 25.4 38.0#

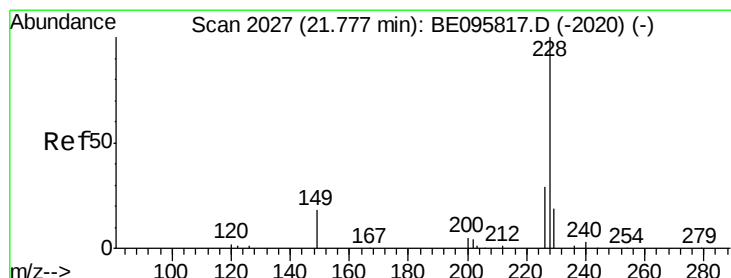
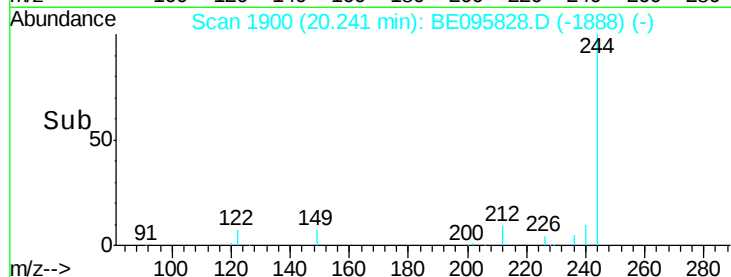
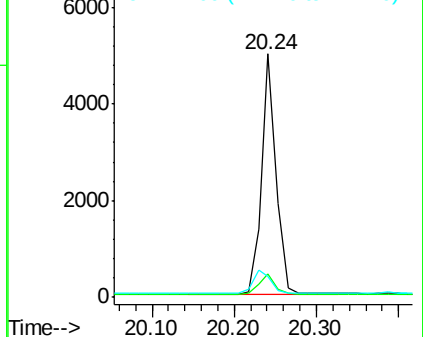
122 8.5 8.1 12.1



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



#30

Benzo(a)anthracene

Concen: 0.041 ng

RT: 21.78 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

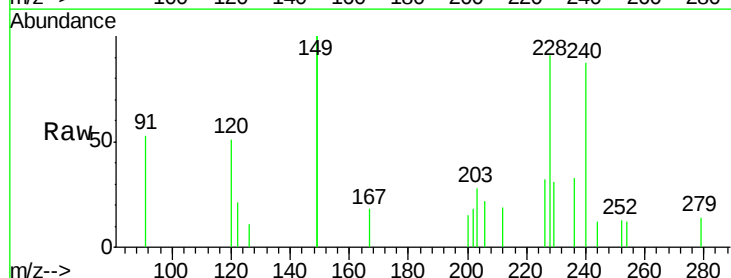
Tgt Ion:228 Resp: 912

Ion Ratio Lower Upper

228 100

226 35.8 24.0 36.0

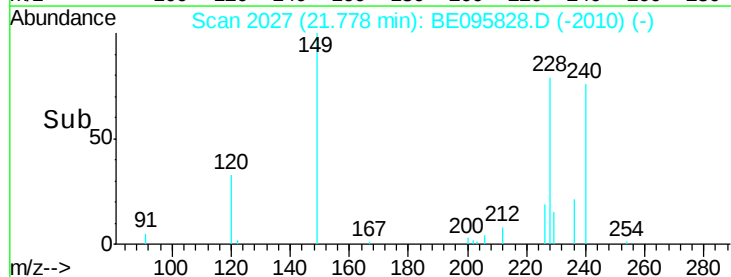
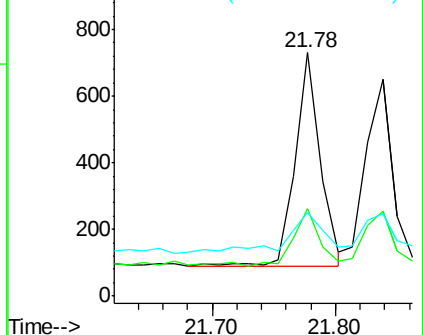
229 34.2 16.0 24.0#

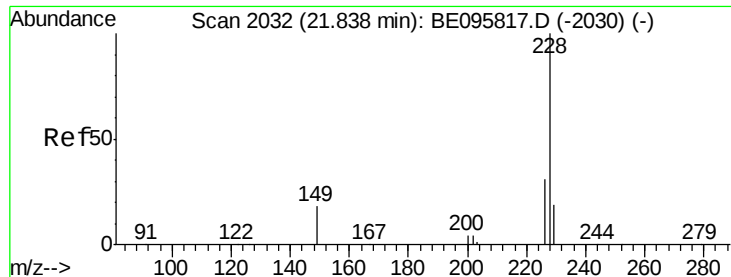


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.041 ng

RT: 21.84 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

Instrument :

BNA_E

ClientSampled :

PB107346BL

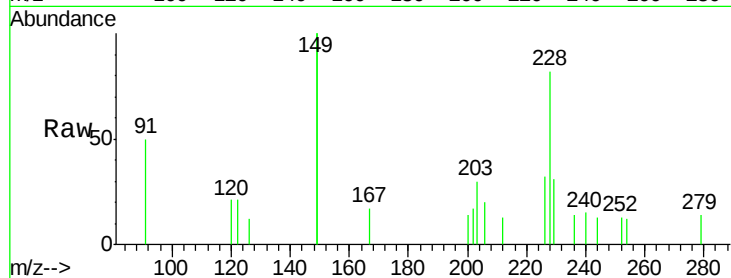
Tot Ion:228 Resp: 827

Ion Ratio Lower Upper

228 100

226 38.9 24.0 36.0#

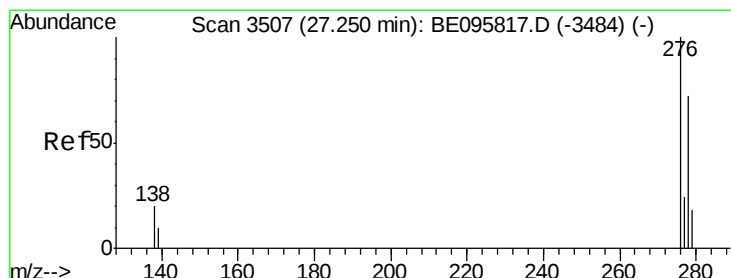
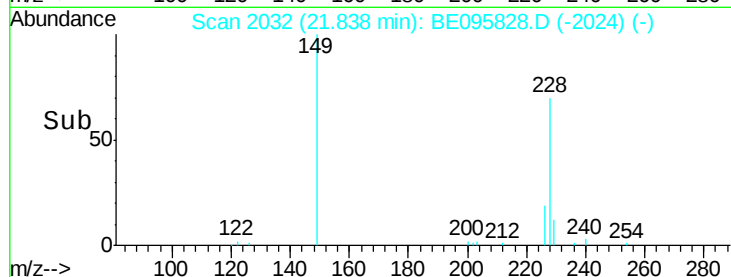
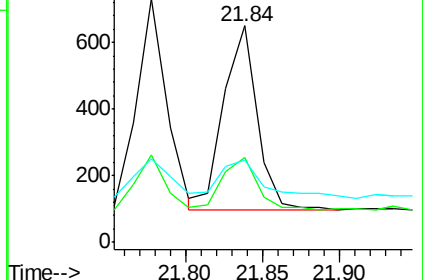
229 38.0 16.0 24.0#



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.055 ng

RT: 27.24 min Scan# 3504

Delta R.T. -0.01 min

Lab File: BE095828.D

Acq: 23 Mar 2018 18:13

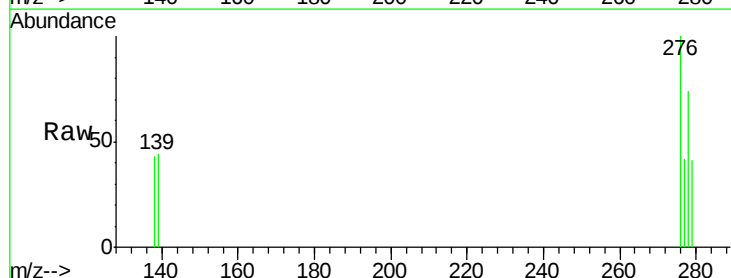
Tgt Ion:276 Resp: 1205

Ion Ratio Lower Upper

276 100

138 22.6 22.5 33.7

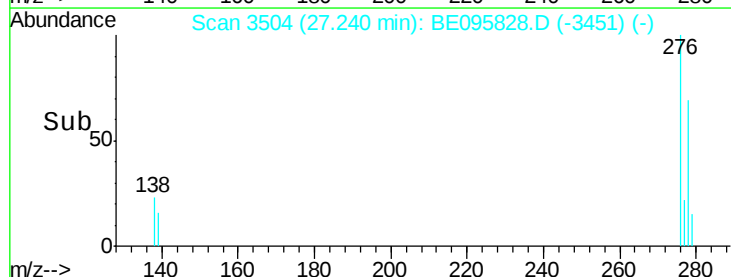
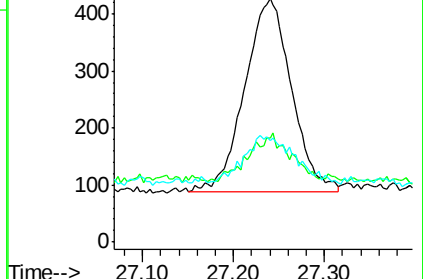
277 27.7 19.9 29.9

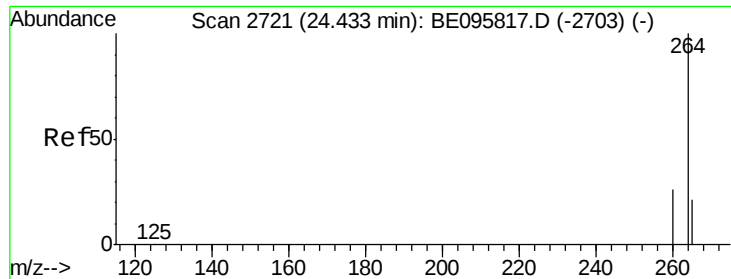


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



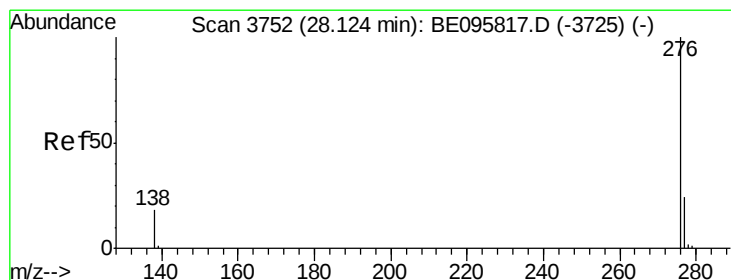
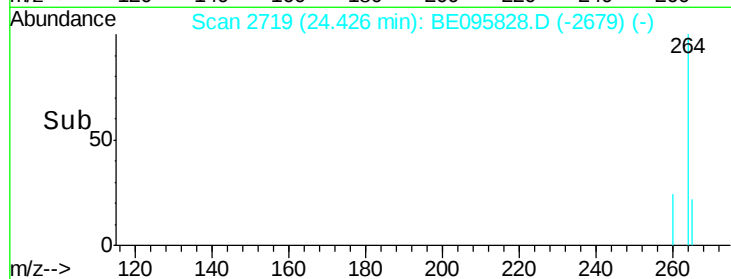
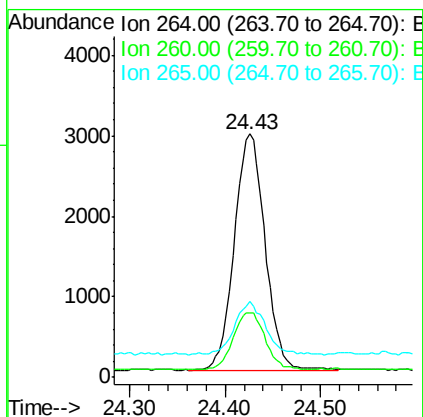
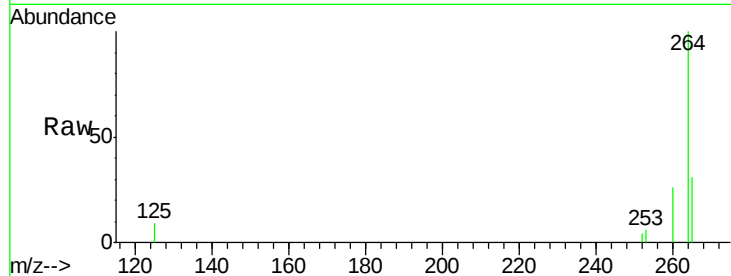


#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2719
Delta R.T. -0.01 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

Instrument :
BNA_E
ClientSampleId :
PB107346BL

Tot Ion:264 Resp: 6606

Ion	Ratio	Lower	Upper
264	100		
260	26.5	20.5	30.7
265	31.4	22.8	34.2



#39
Benzo(g,h,i)perylene
Concen: 0.055 ng
RT: 28.10 min Scan# 3746
Delta R.T. -0.02 min
Lab File: BE095828.D
Acq: 23 Mar 2018 18:13

Tgt Ion:276 Resp: 1067

Ion	Ratio	Lower	Upper
276	100		
277	45.9	16.0	24.0#
138	42.9	20.0	30.0#

