

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE122018\
 Data File : BE098536.D
 Acq On : 20 Dec 2018 13:16
 Operator : SJ/JU
 Sample : J6319-20
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 068-DUP-2

Quant Time: Dec 20 14:02:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	897	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	3828	0.40	ng	-0.03
13) Acenaphthene-d10	14.51	164	2532	0.40	ng	-0.02
19) Phenanthrene-d10	17.26	188	6876	0.40	ng	-0.02
27) Chrysene-d12	21.45	240	8154	0.40	ng	-0.01
34) Perylene-d12	23.98	264	7843	0.40	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	375	0.18	ng	0.00
5) Phenol-d6	7.02	99	350	0.12	ng	-0.02
8) Nitrobenzene-d5	9.02	82	1119	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	2364	0.38	ng	-0.02
14) 2,4,6-Tribromophenol	16.01	330	427	0.46	ng	-0.01
15) 2-Fluorobiphenyl	13.13	172	3797	0.36	ng	-0.02
25) Fluoranthene-d10	19.29	212	34783	0.39	ng	-0.02
29) Terphenyl-d14	19.89	244	7875	0.40	ng	-0.02

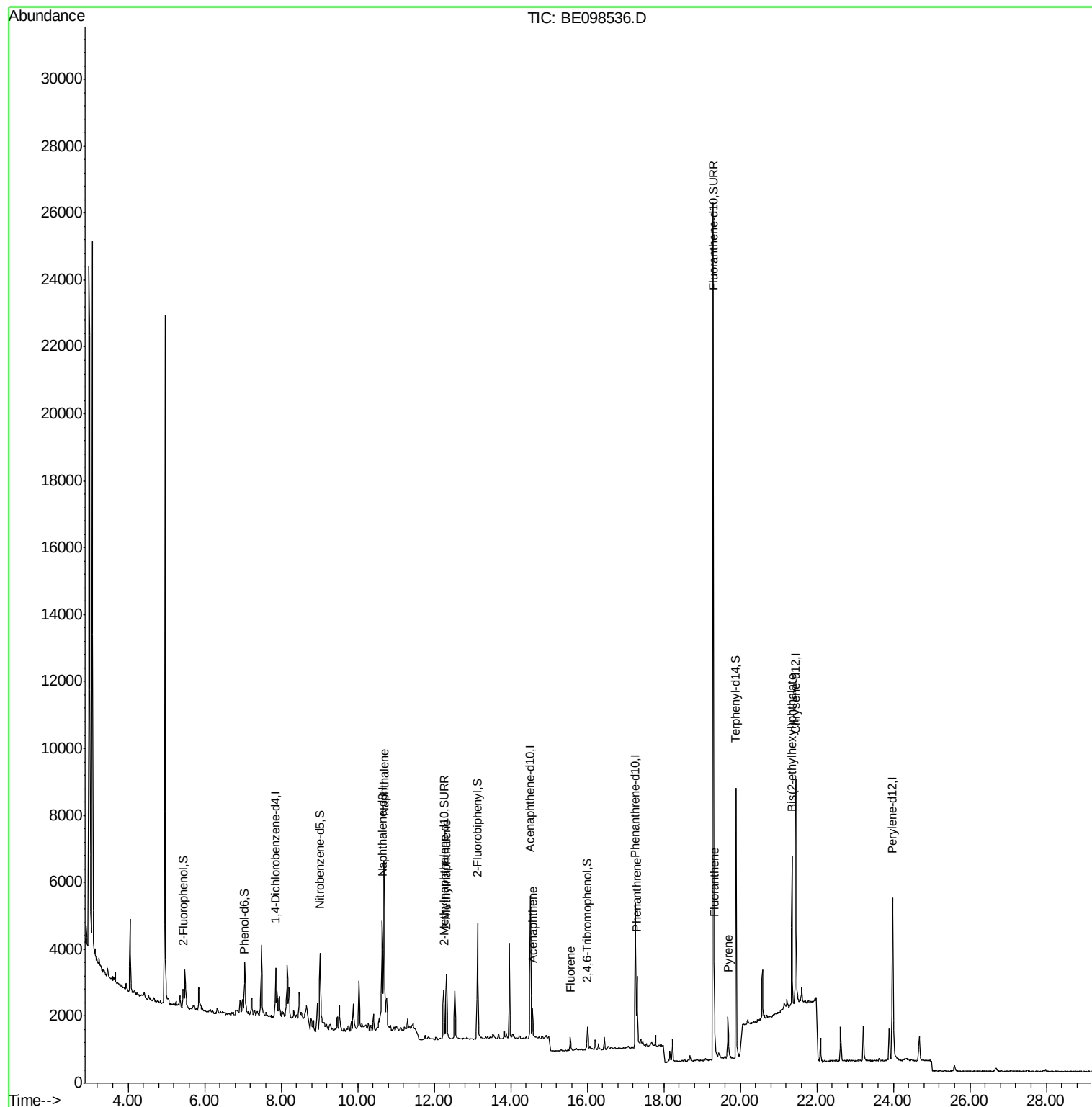
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.69	128	9092	0.236	ng	# 95
12) 2-Methylnaphthalene	12.32	142	1469	0.235	ng	# 87
17) Acenaphthene	14.57	154	448	0.063	ng	99
18) Fluorene	15.56	166	331	0.035	ng	87
23) Phenanthrene	17.30	178	2366	0.142	ng	98
26) Fluoranthene	19.32	202	1315	0.059	ng	99
28) Pyrene	19.68	202	1259	0.049	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.35	149	5630	0.119	ng	100

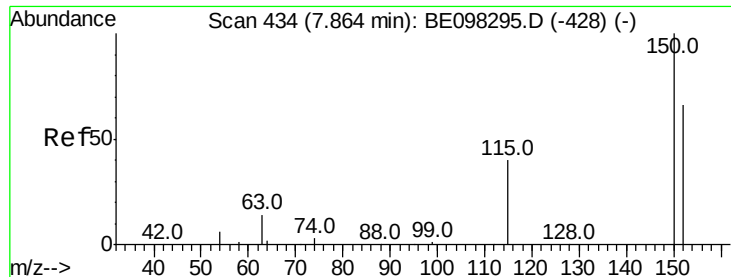
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

068-DUP-2

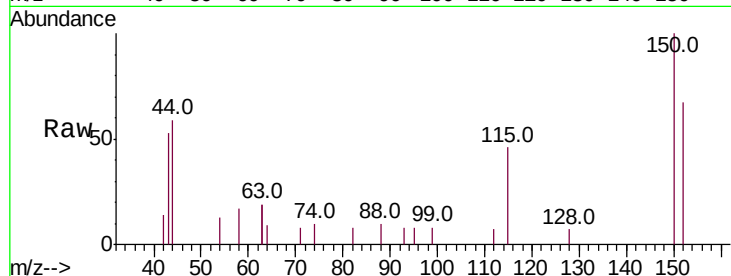
Tot Ion:152 Resp: 897

Ion Ratio Lower Upper

152 100

150 150.0 124.2 186.4

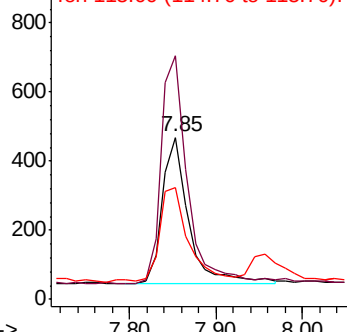
115 68.7 53.9 80.9



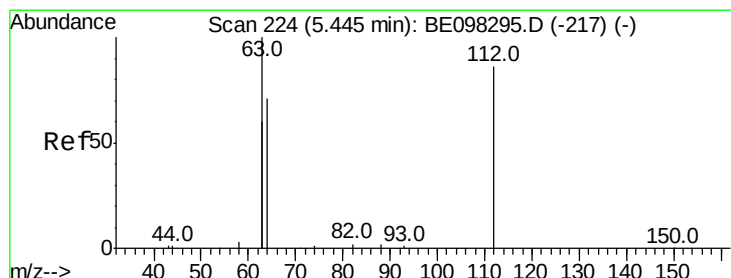
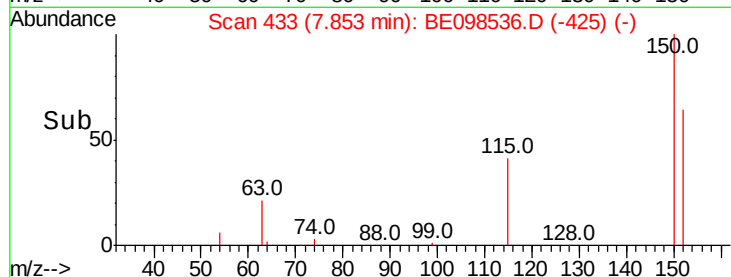
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->



#4

2-Fluorophenol

Concen: 0.179 ng

RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

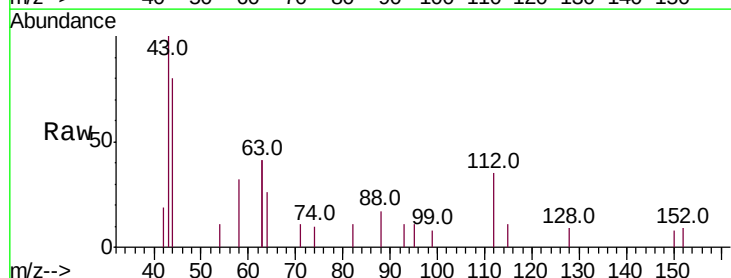
Tgt Ion:112 Resp: 375

Ion Ratio Lower Upper

112 100

64 61.1 59.8 89.8

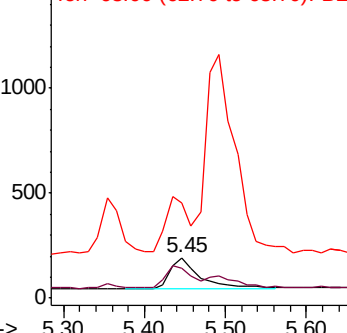
63 132.8 133.7 200.5#



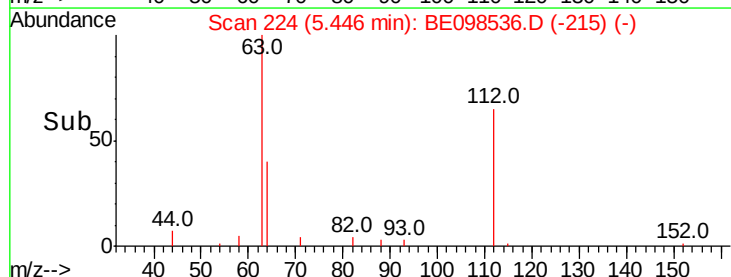
Abundance Ion 112.00 (111.70 to 112.70): E

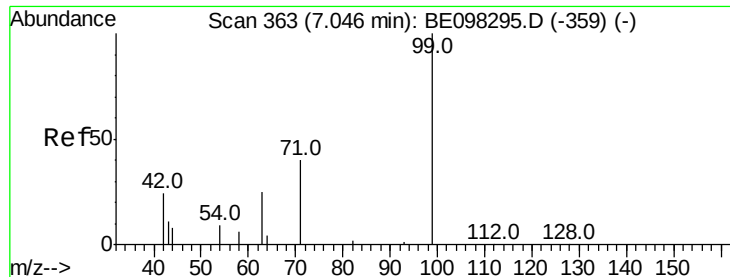
Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.118 ng

RT: 7.02 min Scan# 361

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

068-DUP-2

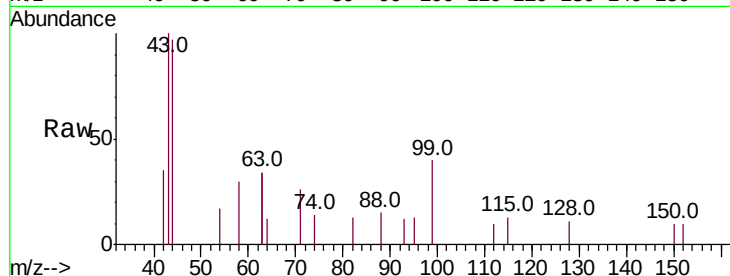
Tot Ion: 99 Resp: 350

Ion Ratio Lower Upper

99 100

42 50.3 26.3 39.5#

71 56.6 33.6 50.4#



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

250

200

150

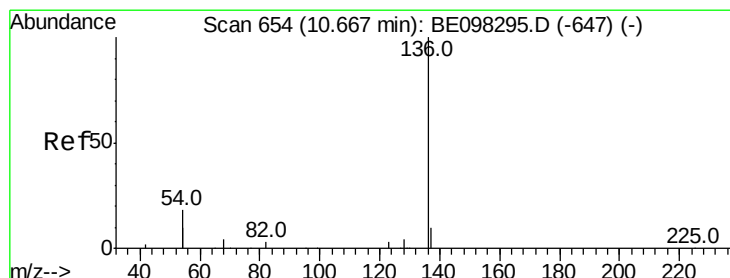
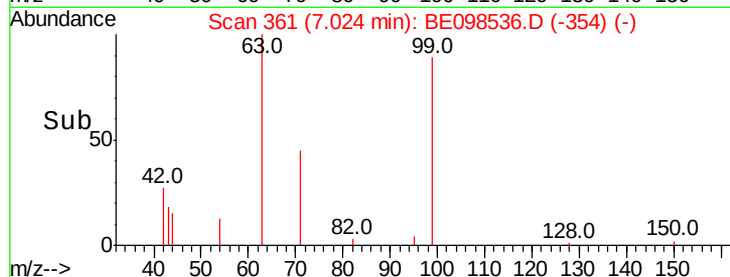
100

50

0

6.90 7.00 7.10 7.20

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.03 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Tgt Ion: 136 Resp: 3828

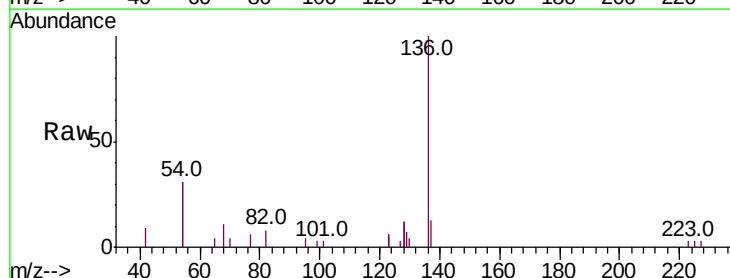
Ion Ratio Lower Upper

136 100

137 13.4 9.2 13.8

54 62.6 28.4 42.6#

68 10.9 5.4 8.0#



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

2500

2000

1500

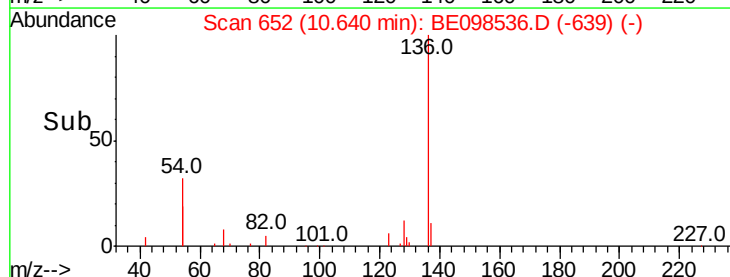
1000

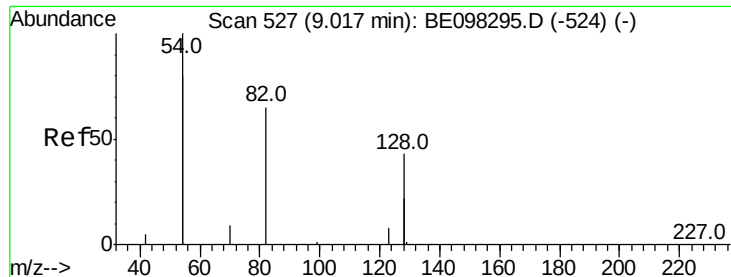
500

0

10.50 10.60 10.70 10.80

Time-->





#8

Nitrobenzene-d5

Concen: 0.321 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

068-DUP-2

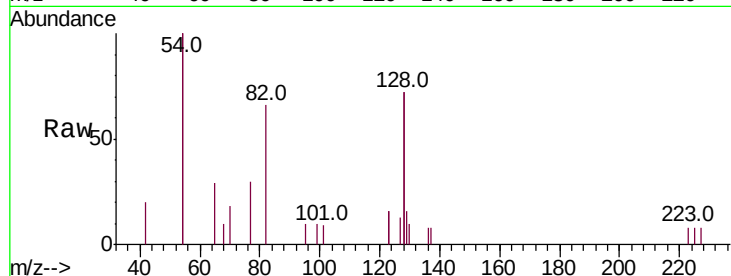
Tot Ion: 82 Resp: 1119

Ion Ratio Lower Upper

82 100

128 218.9 102.4 153.6#

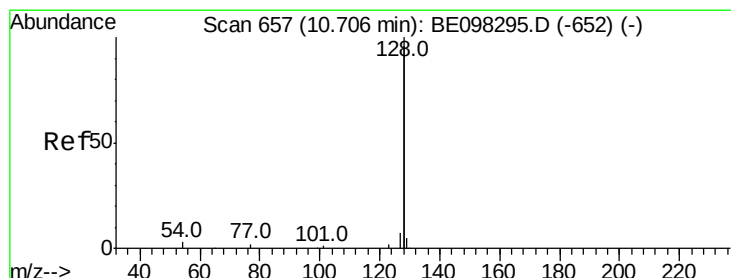
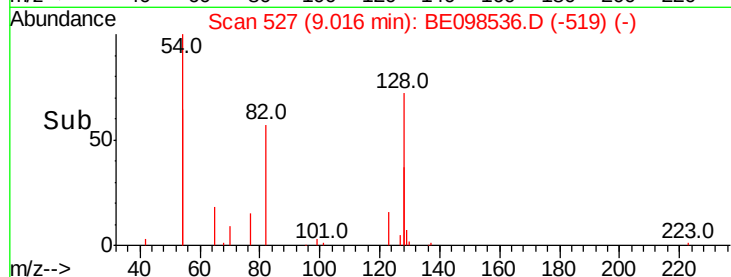
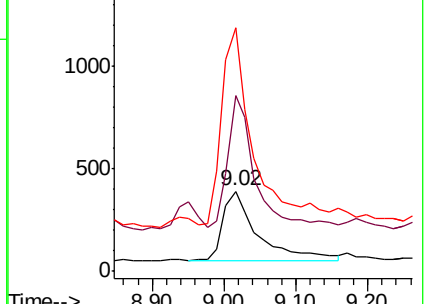
54 303.1 221.8 332.8



Abundance Ion 82.00 (81.70 to 82.70): BE098295.D (-524) (-)

Ion 128.00 (127.70 to 128.70): BE098295.D (-524) (-)

Ion 54.00 (53.70 to 54.70): BE098295.D (-524) (-)



#9

Naphthalene

Concen: 0.236 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

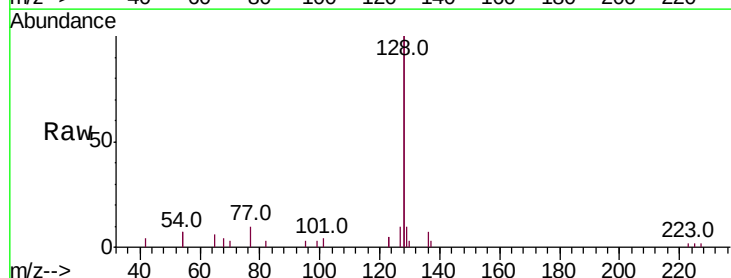
Tgt Ion: 128 Resp: 9092

Ion Ratio Lower Upper

128 100

129 5.1 2.5 3.7#

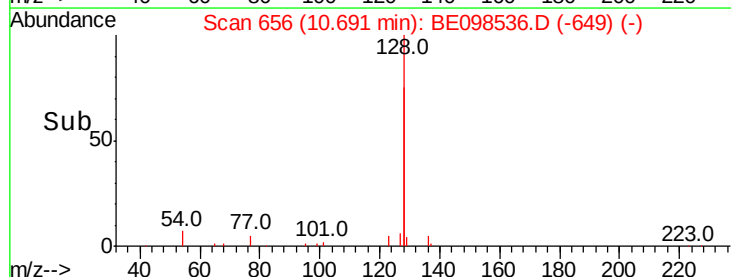
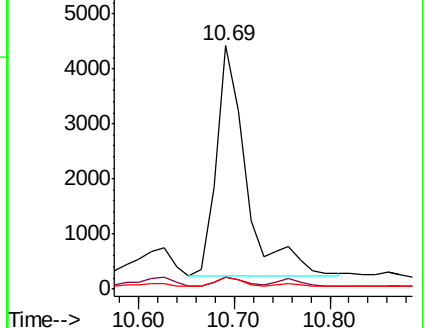
127 4.9 2.7 4.1#

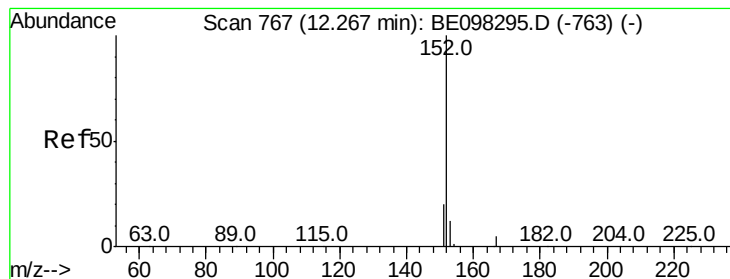


Abundance Ion 128.00 (127.70 to 128.70): BE098295.D (-652) (-)

Ion 129.00 (128.70 to 129.70): BE098295.D (-652) (-)

Ion 127.00 (126.70 to 127.70): BE098295.D (-652) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.380 ng

RT: 12.25 min Scan# 766

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

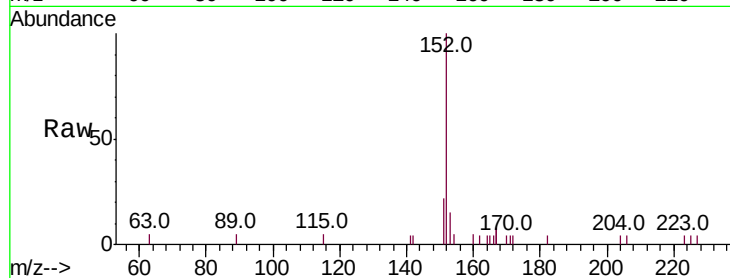
068-DUP-2

Tot Ion:152 Resp: 2364

Ion Ratio Lower Upper

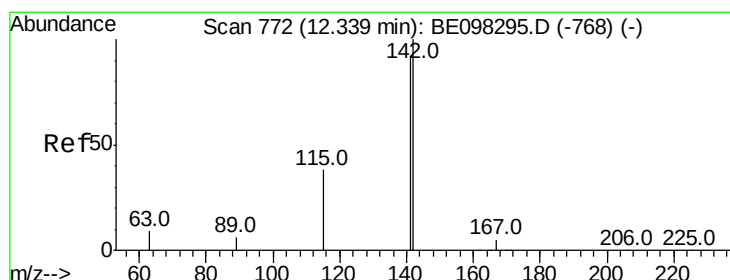
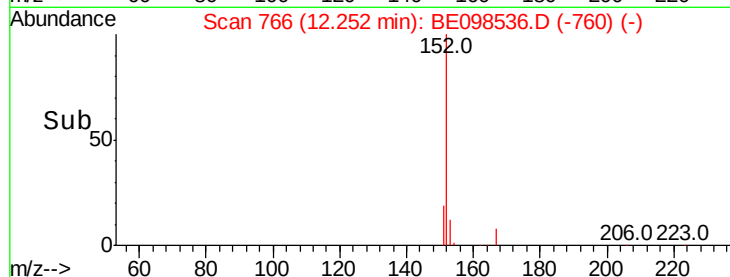
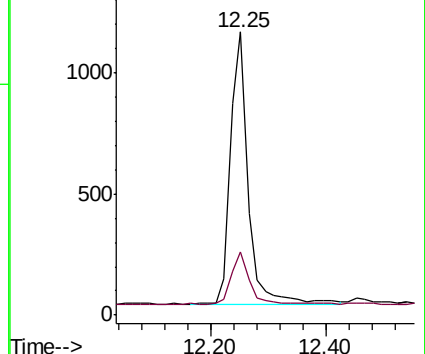
152 100

151 19.3 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.235 ng

RT: 12.32 min Scan# 771

Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

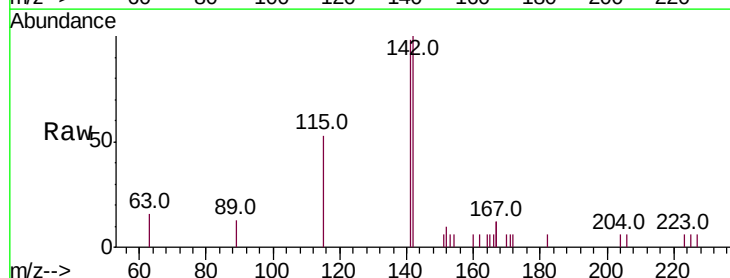
Tgt Ion:142 Resp: 1469

Ion Ratio Lower Upper

142 100

141 98.0 71.0 106.6

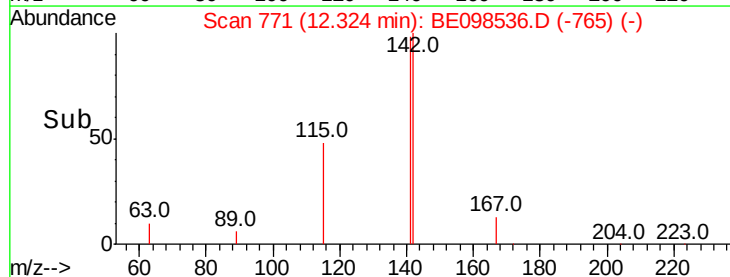
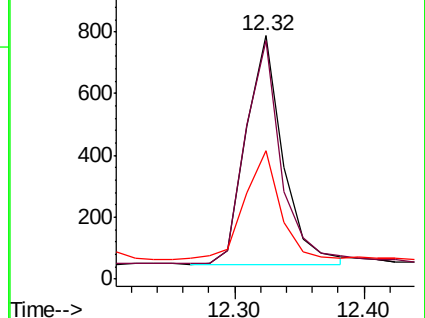
115 52.5 32.2 48.2#

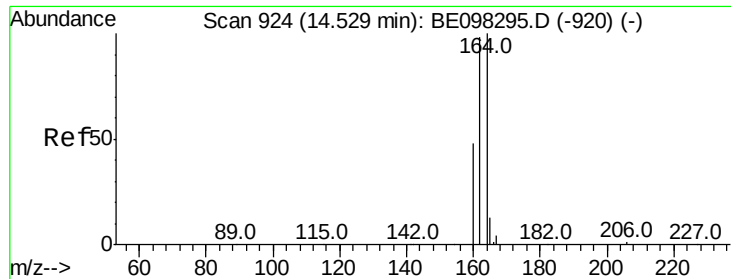


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

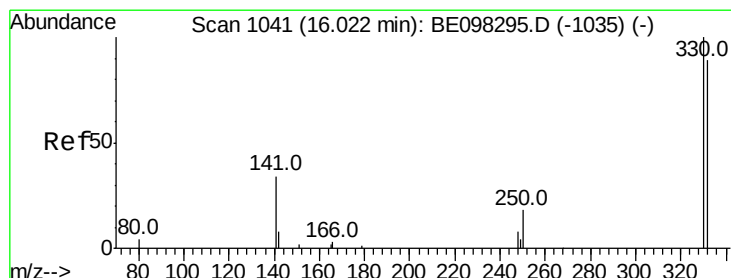
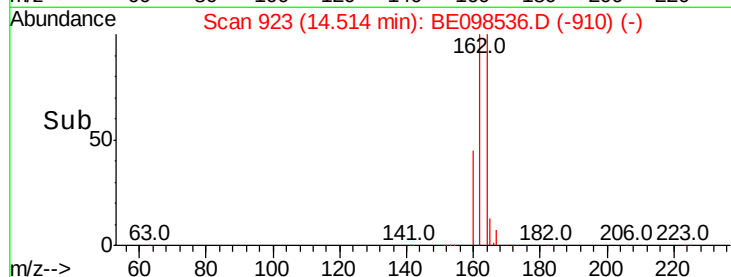
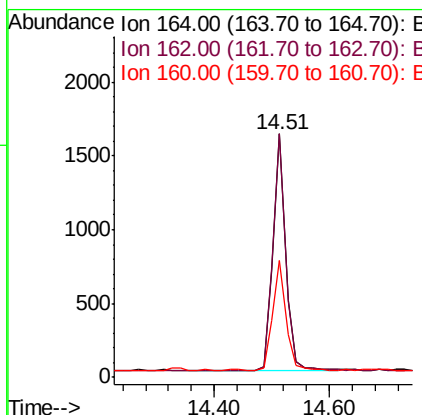
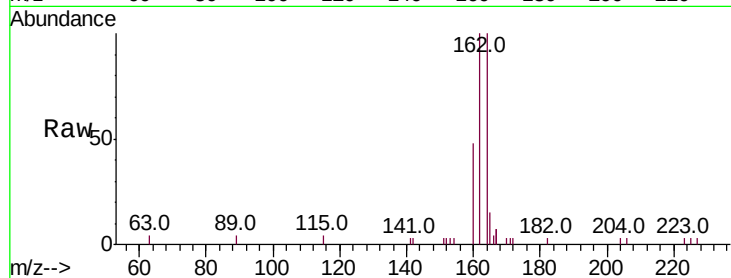




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

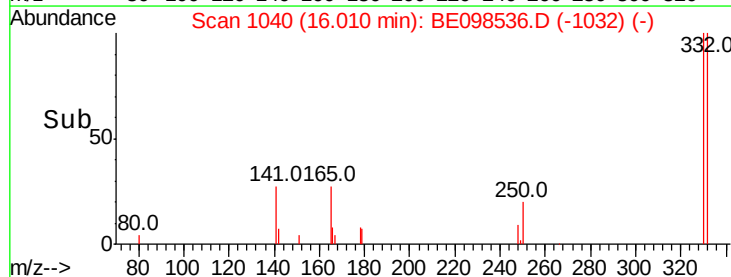
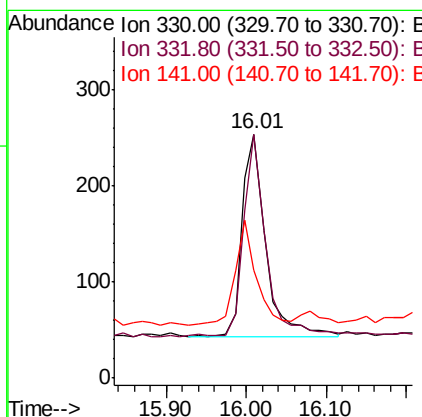
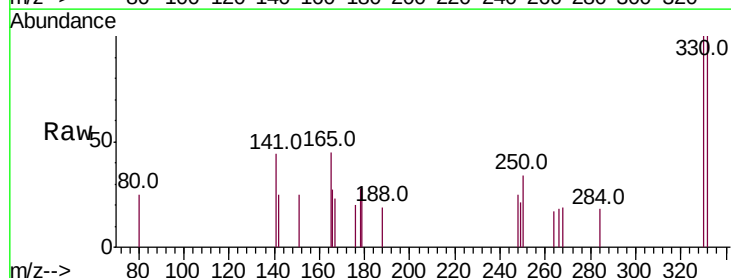
Instrument :
BNA_E
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068-DUP-2

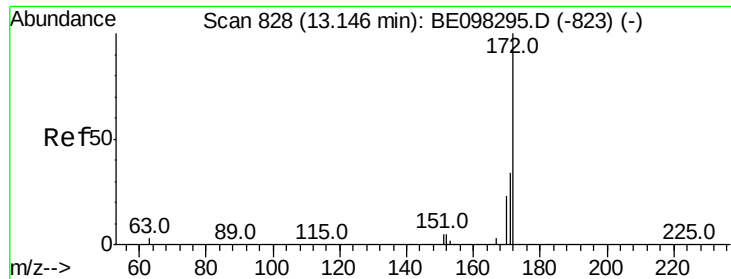
Tot Ion:164 Resp: 2532
Ion Ratio Lower Upper
164 100
162 100.0 77.6 116.4
160 48.0 36.0 54.0



#14
2,4,6-Tribromophenol
Concen: 0.459 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:330 Resp: 427
Ion Ratio Lower Upper
330 100
332 93.4 76.2 114.4
141 46.6 39.0 58.4

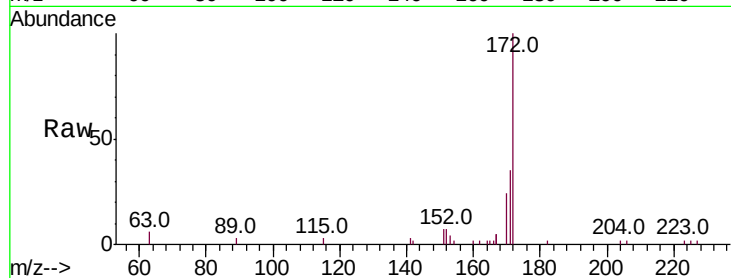




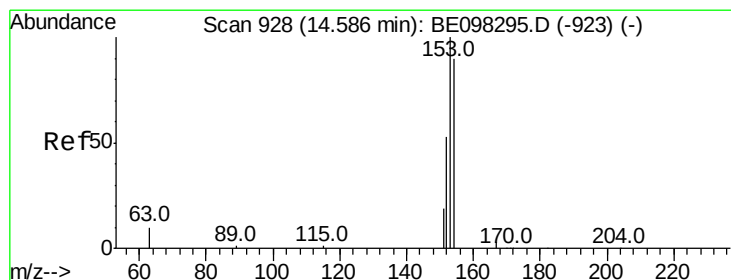
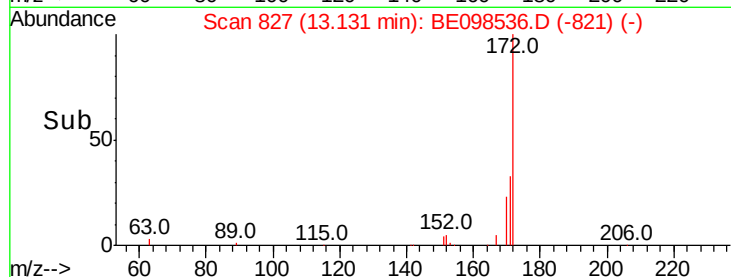
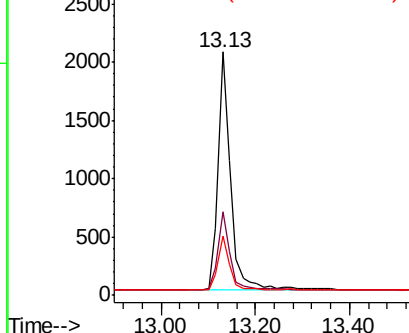
#15
2-Fluorobiphenyl
Concen: 0.356 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Instrument :
BNA_E
ClientSampled :
068-DUP-2

Tot Ion:172 Resp: 3797
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 24.2 19.6 29.4

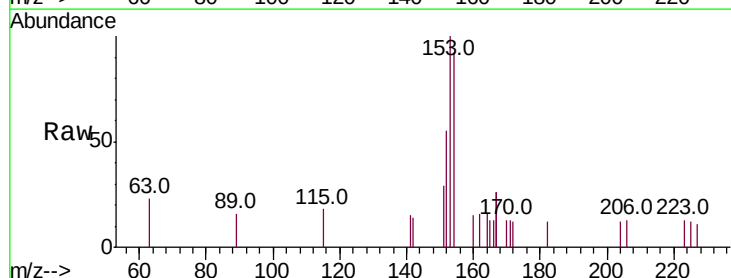


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

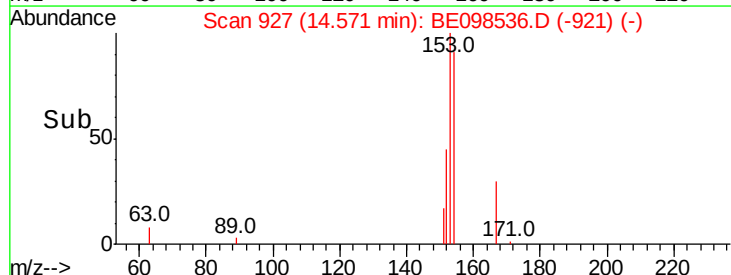
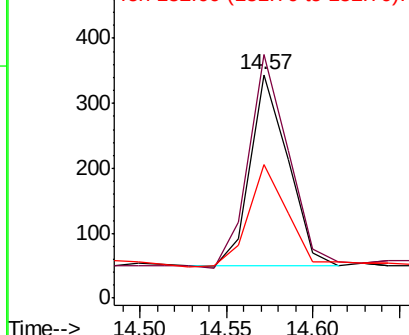


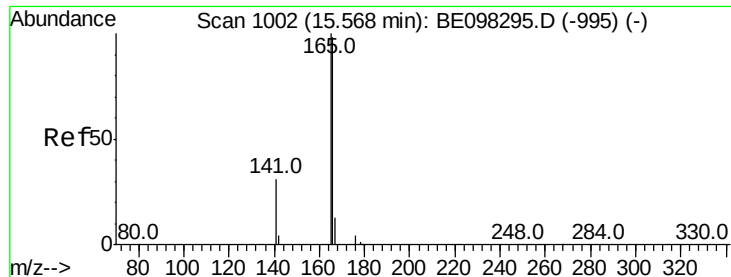
#17
Acenaphthene
Concen: 0.063 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:154 Resp: 448
Ion Ratio Lower Upper
154 100
153 115.6 91.8 137.6
152 54.9 45.5 68.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.035 ng

RT: 15.56 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

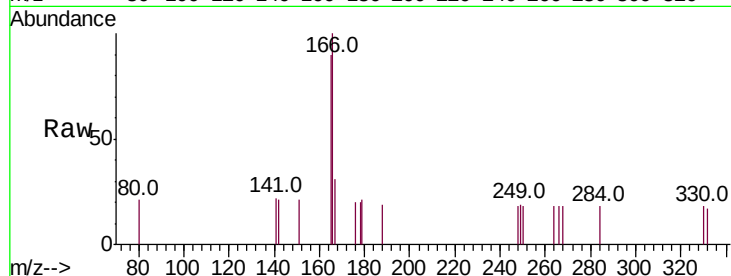
BNA_E

ClientSampleId :

068-DUP-2

Tot Ion:166 Resp: 331

Ion	Ratio	Lower	Upper
166	100		
165	85.2	79.3	118.9
167	11.8	11.3	16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

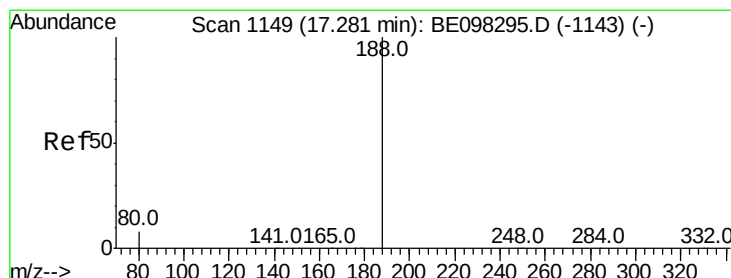
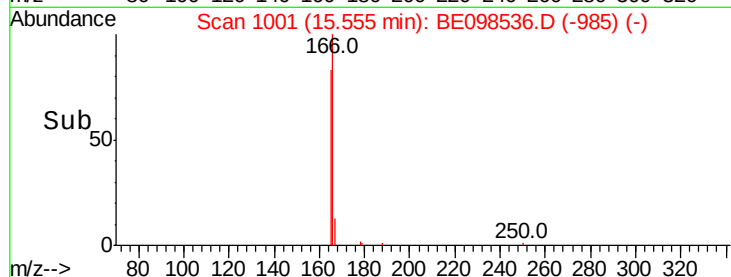
15.56

200

100

0

Time-->



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.26 min Scan# 1147

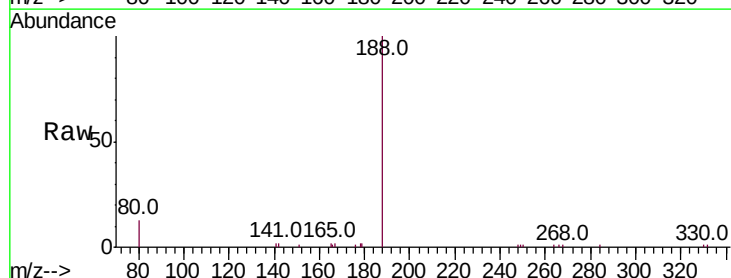
Delta R.T. -0.02 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Tgt Ion:188 Resp: 6876

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	7.2	10.8



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

17.26

4000

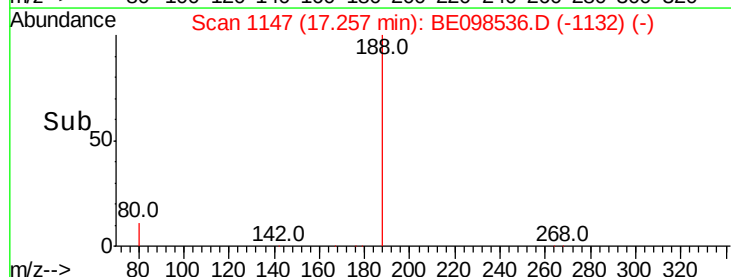
3000

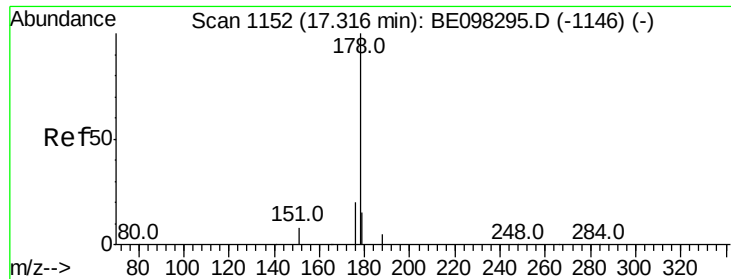
2000

1000

0

Time-->

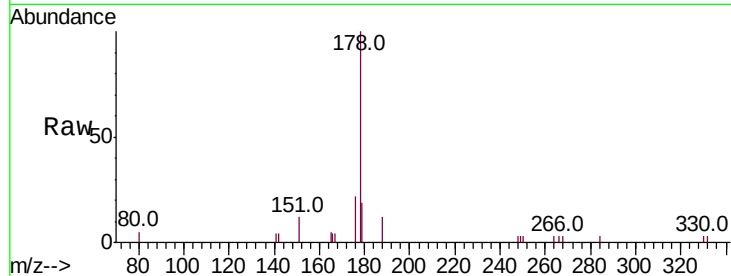




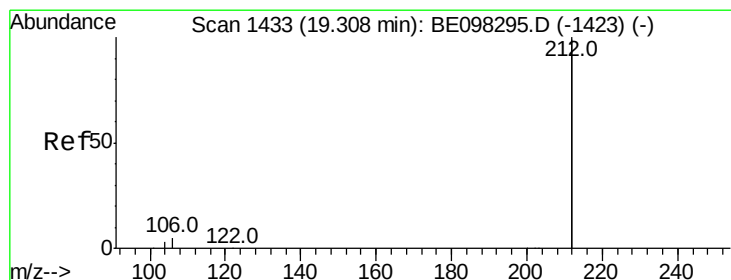
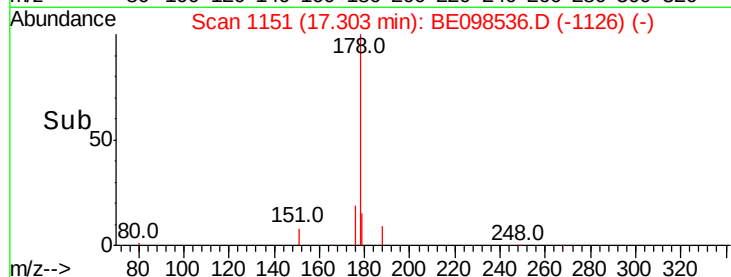
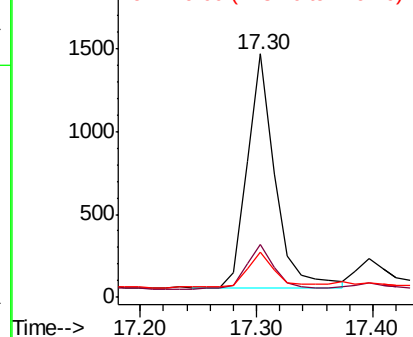
#23
Phenanthrene
Concen: 0.142 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Instrument :
BNA_E
ClientSampleId :
068-DUP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.9	12.3	18.5

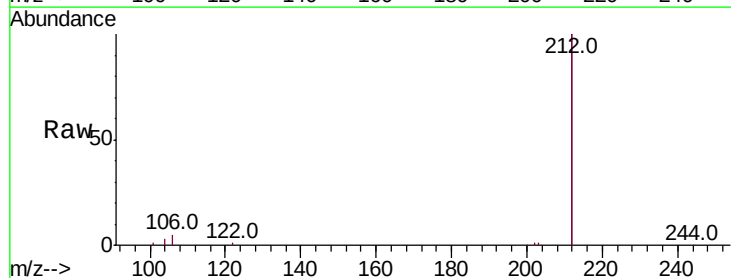


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

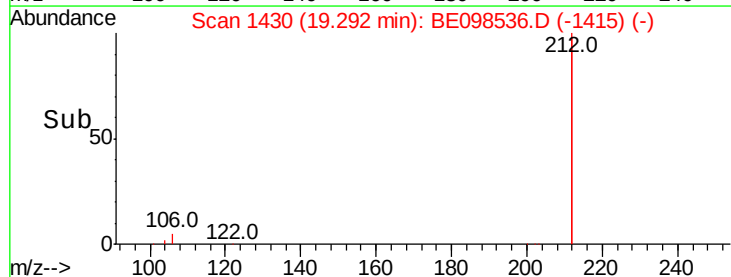
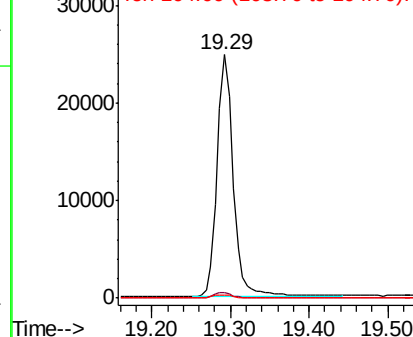


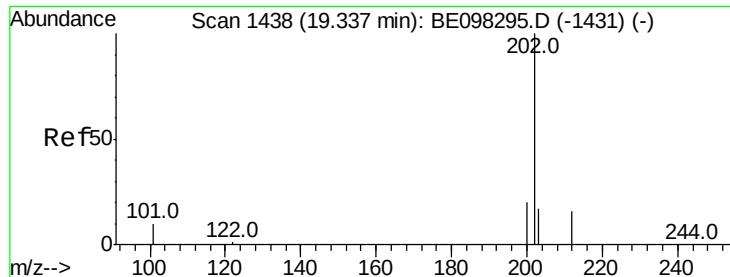
#25
Fluoranthene-d10
Concen: 0.394 ng
RT: 19.29 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.2	3.2
104	1.3	1.3	1.9



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

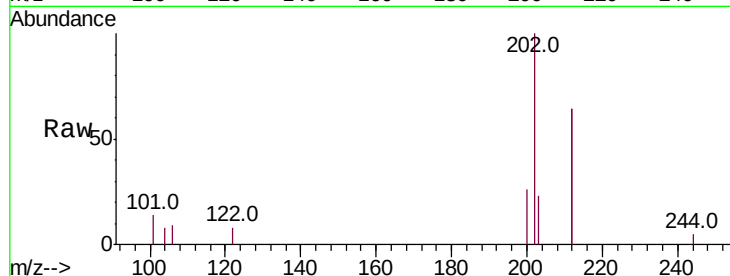




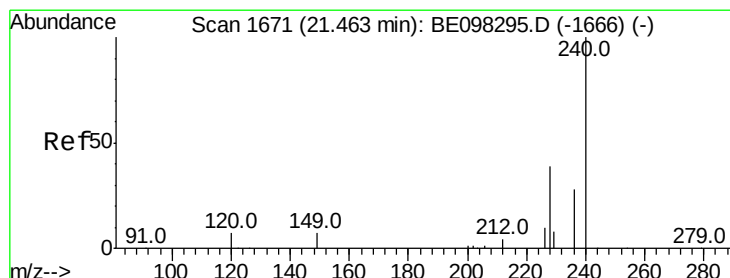
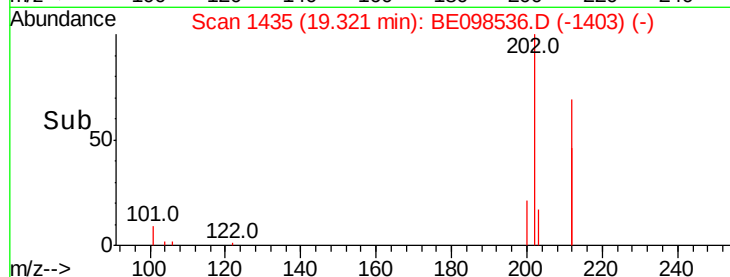
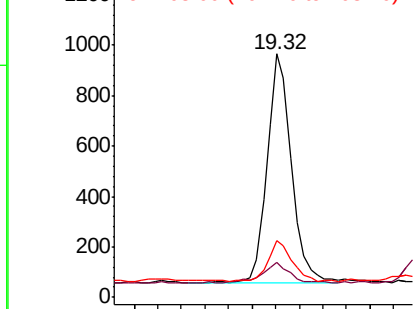
#26
Fluoranthene
Concen: 0.059 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Instrument :
BNA_E
ClientSampleId :
068-DUP-2

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.0	12.0
203	16.7	13.8	20.6

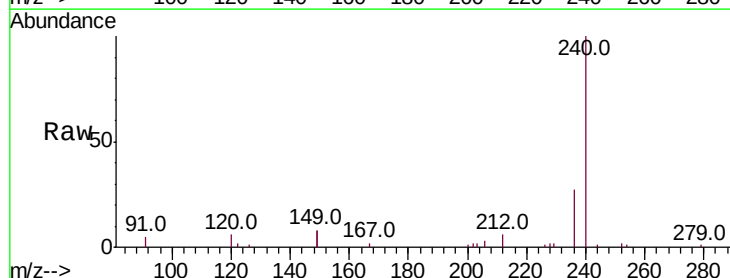


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

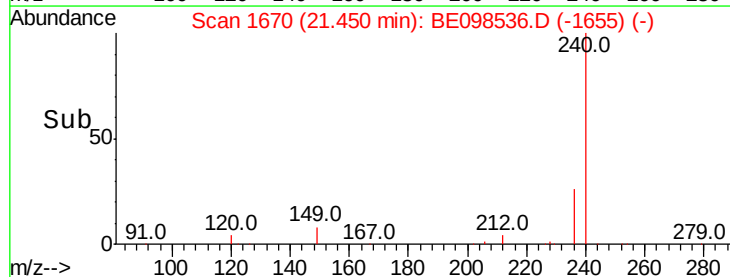
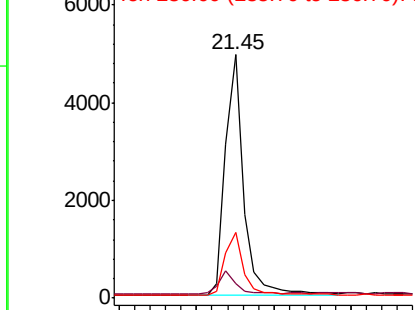


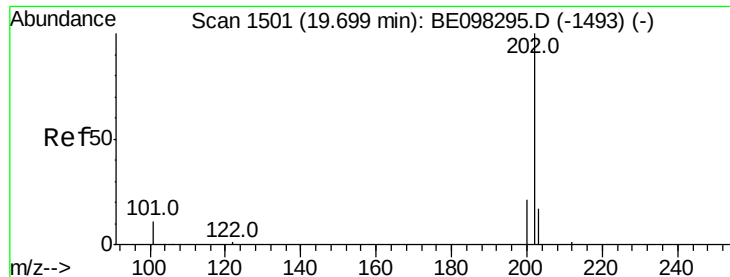
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.0	9.5	14.3#
236	27.2	22.7	34.1



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

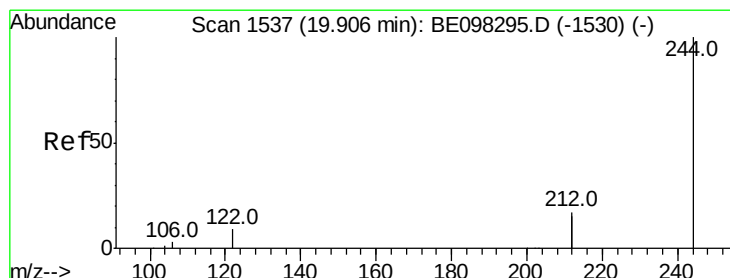
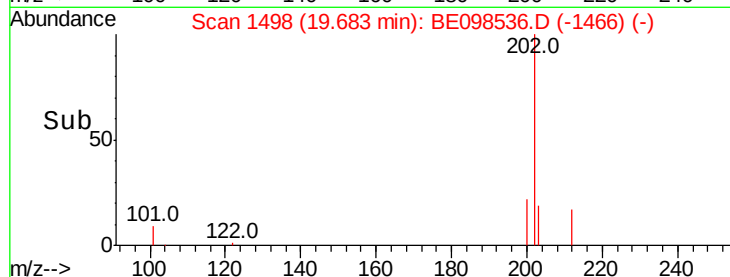
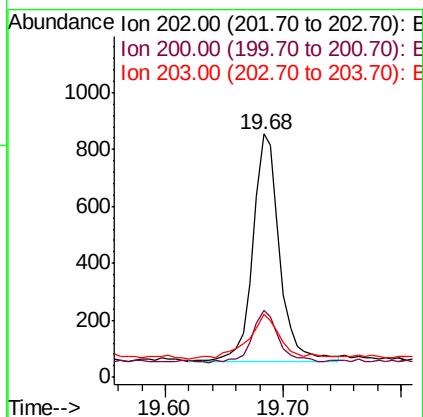
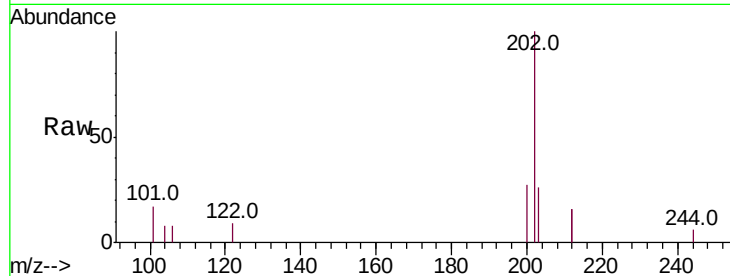




#28
Pvrene
Concen: 0.049 ng
RT: 19.68 min Scan# 1498
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

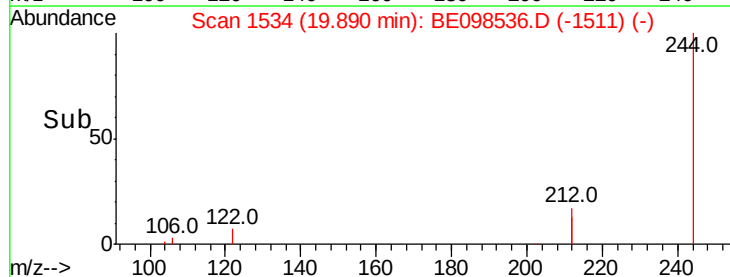
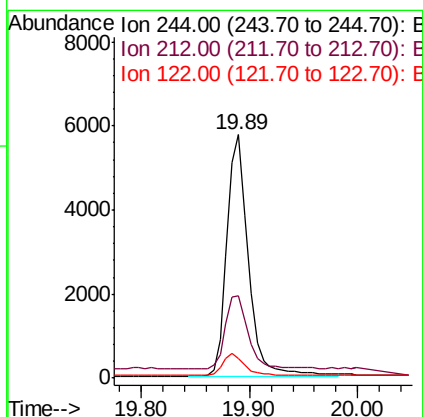
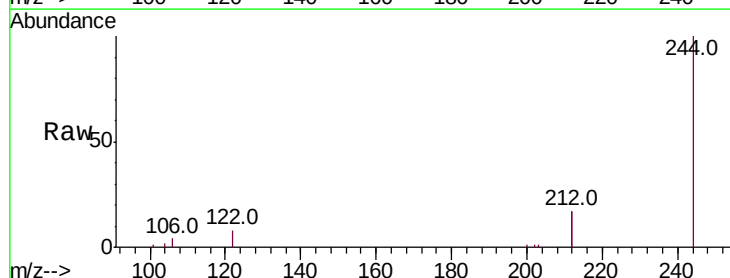
Instrument :
BNA_E
ClientSampleId :
068-DUP-2

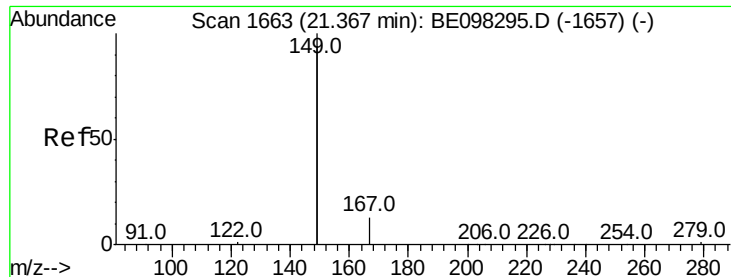
Tot Ion:202 Resp: 1259
Ion Ratio Lower Upper
202 100
200 23.3 16.7 25.1
203 22.2 14.1 21.1#



#29
Terphenyl-d14
Concen: 0.397 ng
RT: 19.89 min Scan# 1534
Delta R.T. -0.02 min
Lab File: BE098536.D
Acq: 20 Dec 2018 13:16

Tgt Ion:244 Resp: 7875
Ion Ratio Lower Upper
244 100
212 33.7 27.4 41.0
122 8.3 8.3 12.5#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.119 ng

RT: 21.35 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

Instrument :

BNA_E

ClientSampleId :

068-DUP-2

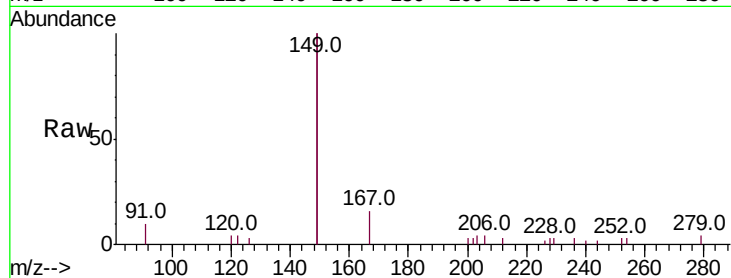
Tot Ion:149 Resp: 5630

Ion Ratio Lower Upper

149 100

167 7.0 5.7 8.5

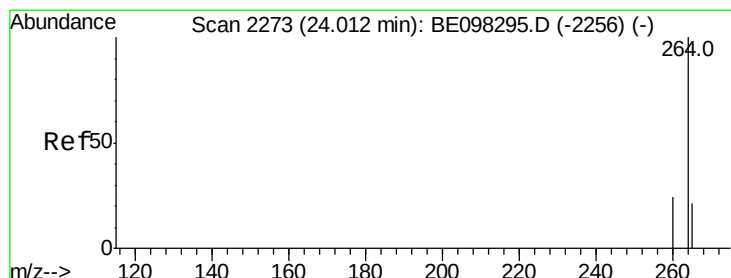
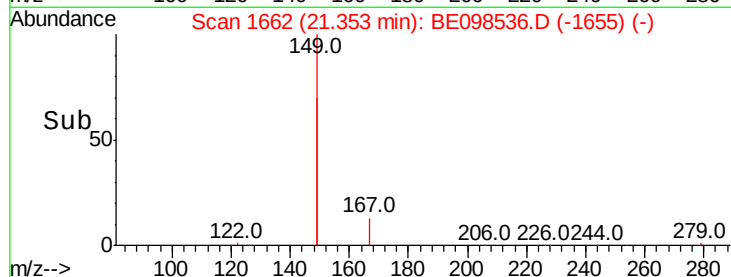
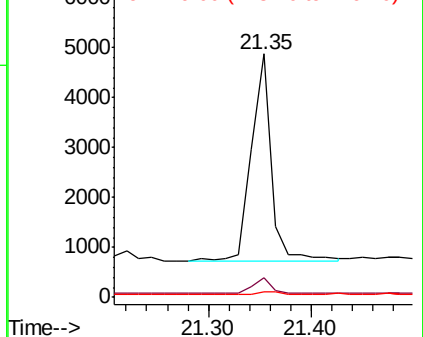
279 1.2 1.0 1.4



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

Perylene-d12

Concen: 0.400 ng

RT: 23.98 min Scan# 2264

Delta R.T. -0.03 min

Lab File: BE098536.D

Acq: 20 Dec 2018 13:16

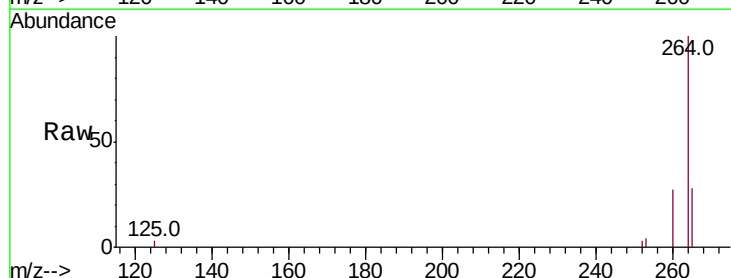
Tgt Ion:264 Resp: 7843

Ion Ratio Lower Upper

264 100

260 27.0 20.2 30.2

265 28.2 25.2 37.8



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

