

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE031319\
 Data File : BE098933.D
 Acq On : 14 Mar 2019 5:36
 Operator : JU/SJ
 Sample : K1860-08
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE105D2-20190311

Quant Time: Mar 14 06:58:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 06 15:33:24 2019
 Response via : Initial Calibration

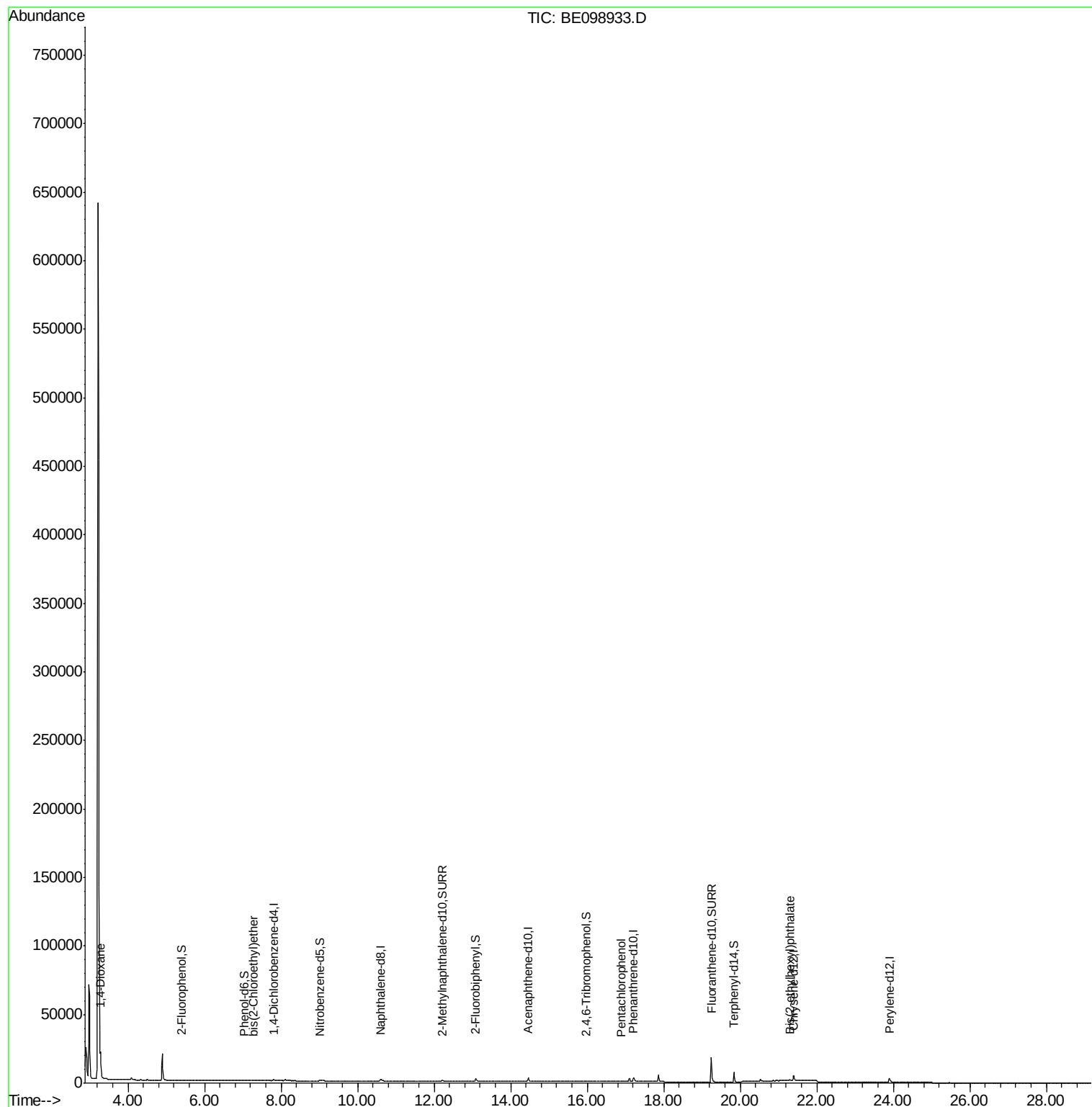
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	727	0.40	ng	0.01
7) Naphthalene-d8	10.60	136	3227	0.40	ng	0.01
13) Acenaphthene-d10	14.46	164	2229	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	5493	0.40	ng	0.00
27) Chrysene-d12	21.40	240	6354	0.40	ng	0.00
34) Perylene-d12	23.90	264	5993	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.40	112	301	0.14	ng	0.01
5) Phenol-d6	7.02	99	272	0.09	ng	0.04
8) Nitrobenzene-d5	9.00	82	1093	0.32	ng	0.04
11) 2-Methylnaphthalene-d10	12.21	152	2101	0.35	ng	0.02
14) 2,4,6-Tribromophenol	15.97	330	403	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	3845	0.42	ng	0.00
25) Fluoranthene-d10	19.24	212	31274	0.36	ng	0.00
29) Terphenyl-d14	19.84	244	7763	0.50	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.28	88	8152	7.179	ng	Qvalue 98
6) bis(2-Chloroethyl)ether	7.27	93	77	0.032	ng	# 61
22) Pentachlorophenol	16.88	266	12	0.274	ng	95
32) Bis(2-ethylhexyl)phthalate	21.29	149	1197	0.028	ng	# 96

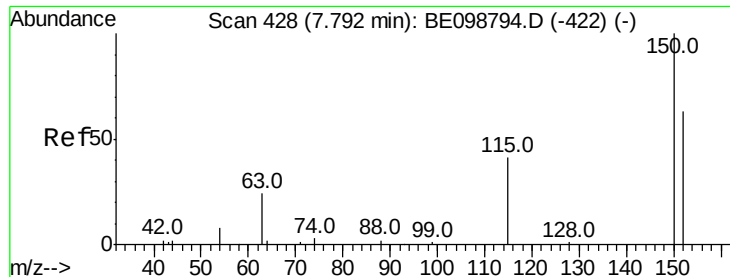
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. 0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

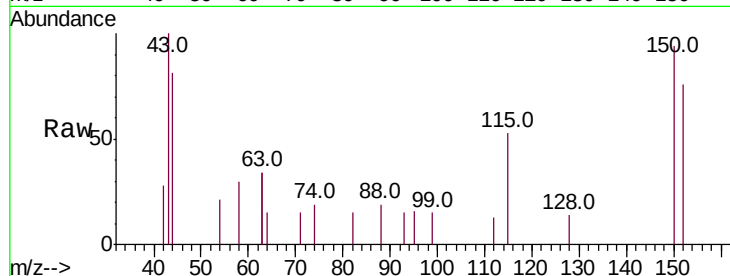
Tot Ion:152 Resp: 727

Ion Ratio Lower Upper

152 100

150 123.3 122.5 183.7

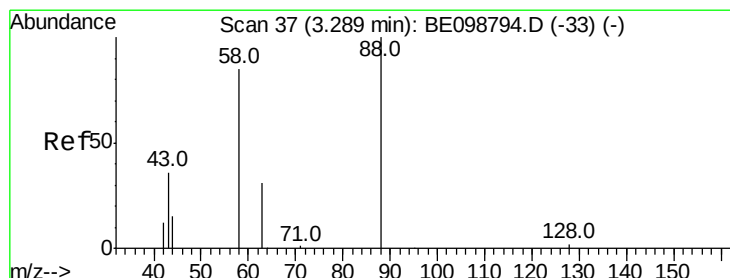
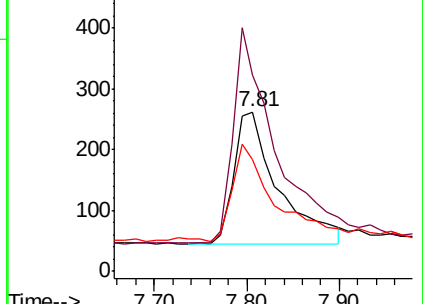
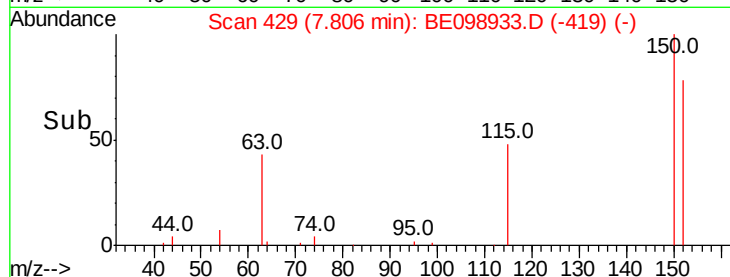
115 69.8 57.4 86.2



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: 7.179 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

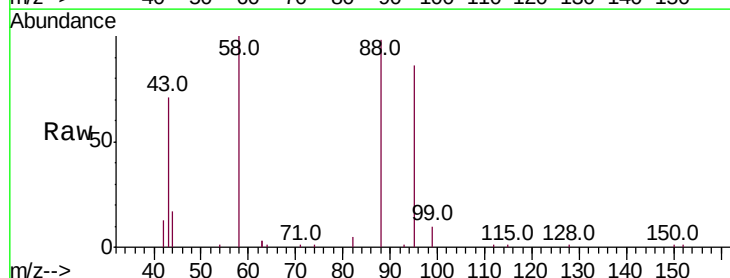
Tgt Ion: 88 Resp: 8152

Ion Ratio Lower Upper

88 100

58 94.3 75.8 113.6

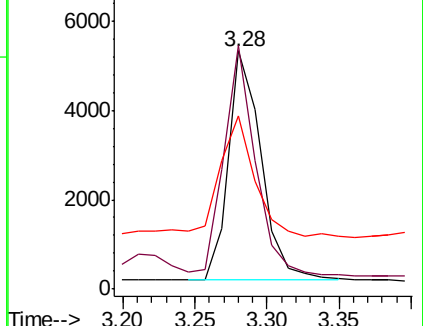
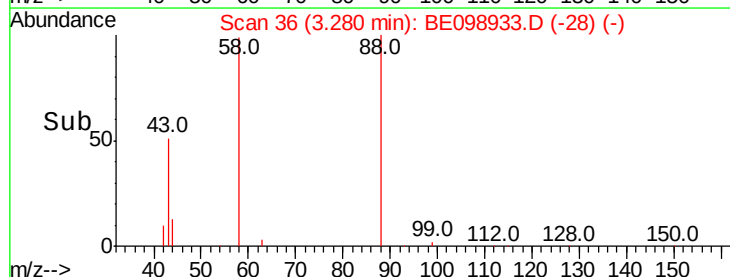
43 55.7 41.8 62.8

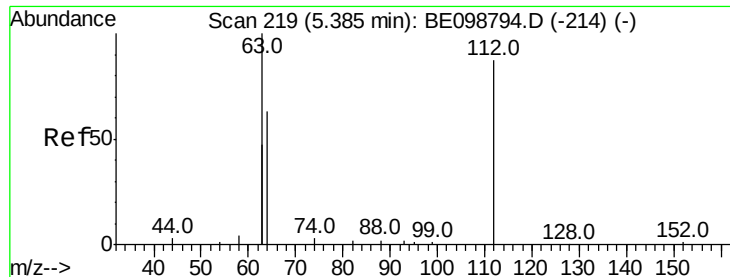


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.139 ng

RT: 5.40 min Scan# 220

Delta R.T. 0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

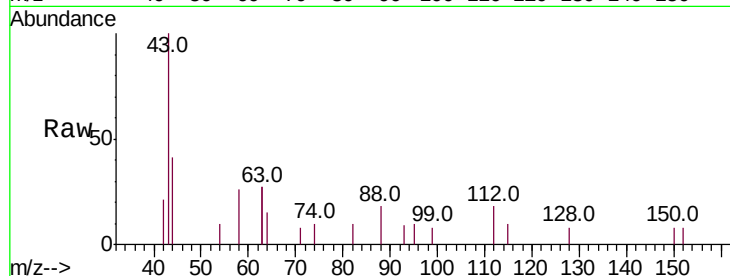
Tot Ion:112 Resp: 301

Ion Ratio Lower Upper

112 100

64 82.7 57.9 86.9

63 184.7 158.3 237.5



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

400

300

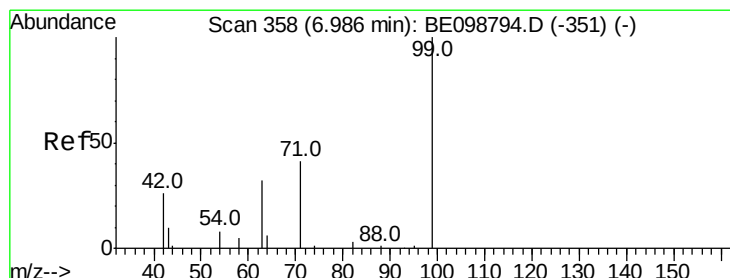
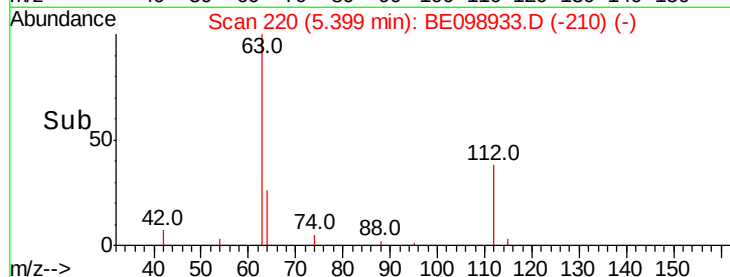
200

100

0

5.30 5.40 5.50 5.60

Time-->



#5

Phenol-d6

Concen: 0.089 ng

RT: 7.02 min Scan# 361

Delta R.T. 0.04 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

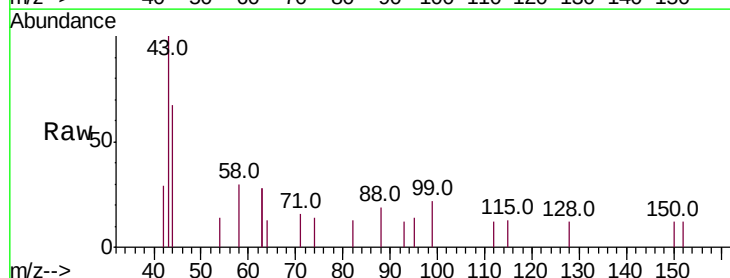
Tgt Ion: 99 Resp: 272

Ion Ratio Lower Upper

99 100

42 0.0 24.2 36.2#

71 15.4 35.7 53.5#



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

150

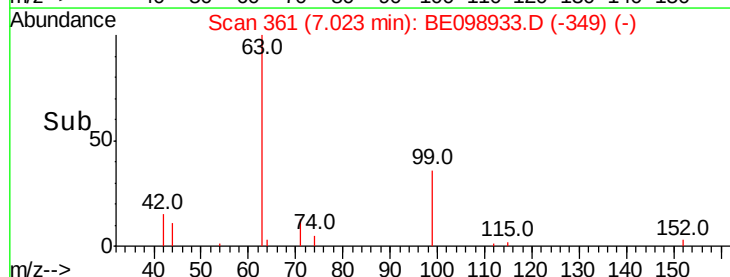
100

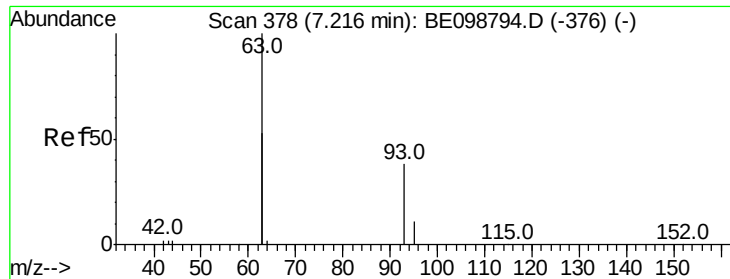
50

0

6.90 7.00 7.10 7.20 7.30

Time-->





#6

bis(2-Chloroethyl)ether

Concen: 0.032 ng

RT: 7.27 min Scan# 382

Delta R.T. 0.05 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

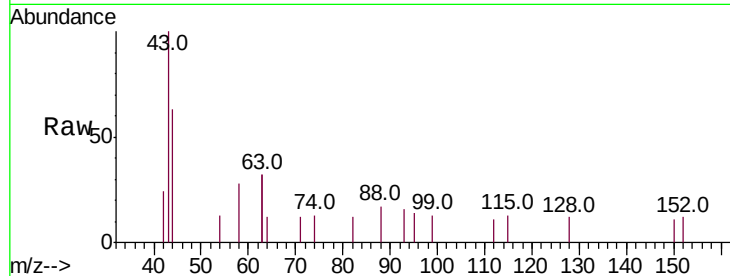
Tot Ion: 93 Resp: 77

Ion Ratio Lower Upper

93 100

63 385.7 247.5 371.3#

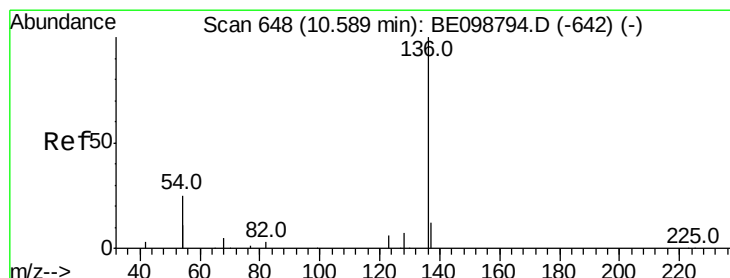
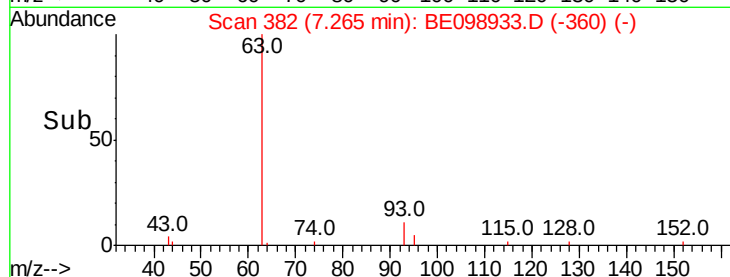
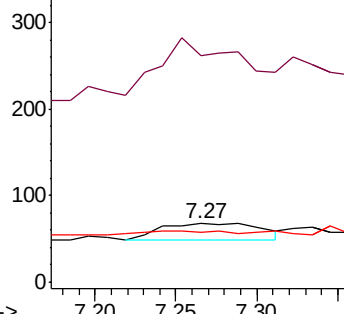
95 0.0 21.8 32.8#



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. 0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Tgt Ion: 136 Resp: 3227

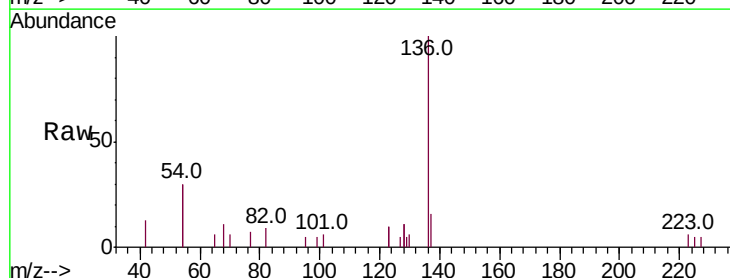
Ion Ratio Lower Upper

136 100

137 15.9 11.4 17.0

54 60.3 39.3 58.9#

68 10.7 6.7 10.1#

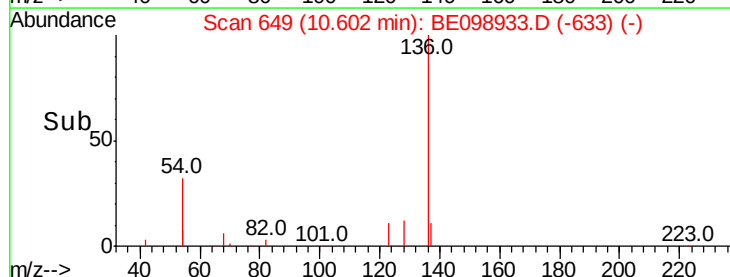
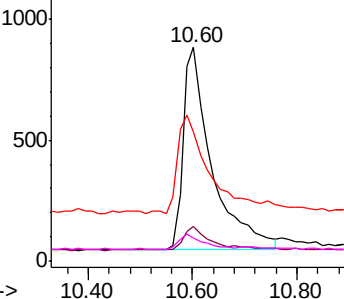


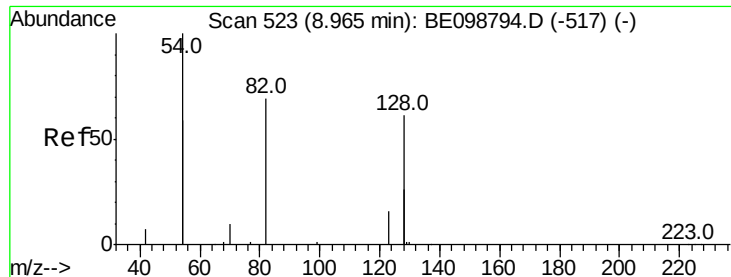
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.323 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

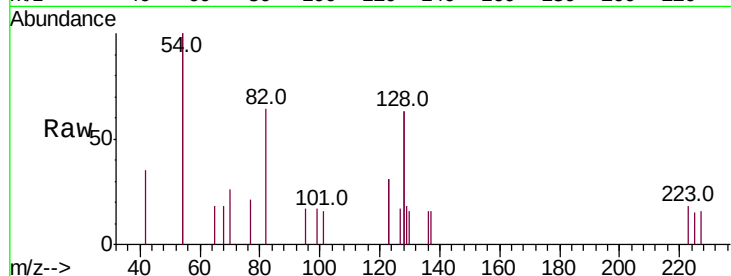
Tot Ion: 82 Resp: 1093

Ion Ratio Lower Upper

82 100

128 197.8 123.8 185.8#

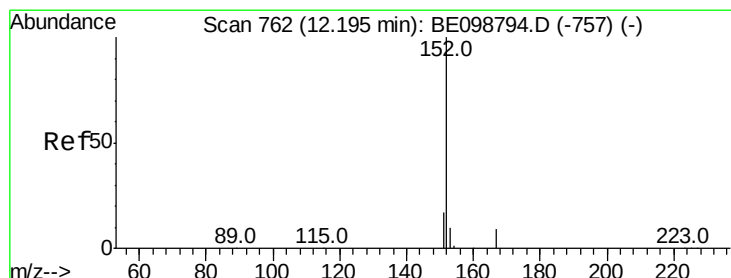
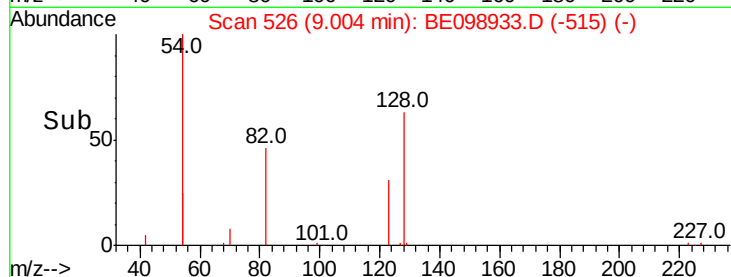
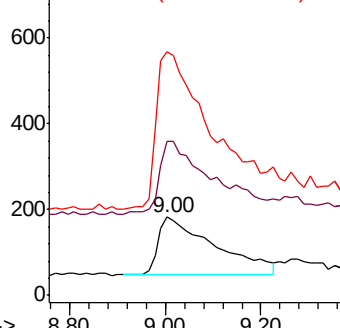
54 312.1 203.4 305.2#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.352 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.02 min

Lab File: BE098933.D

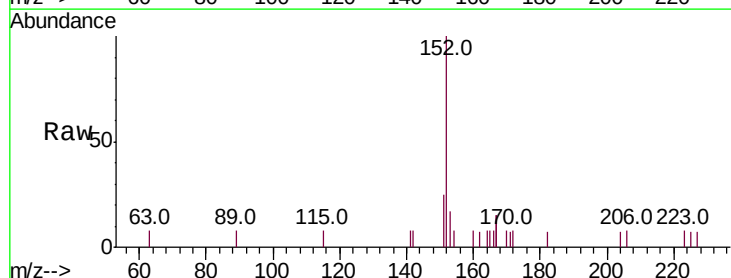
Acq: 14 Mar 2019 5:36

Tgt Ion: 152 Resp: 2101

Ion Ratio Lower Upper

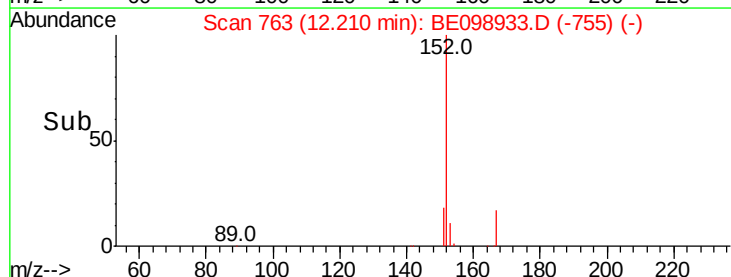
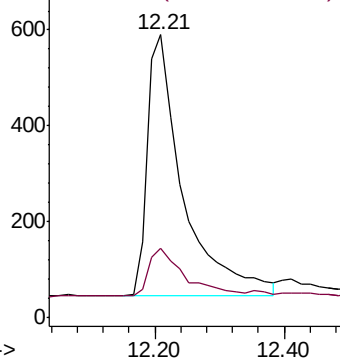
152 100

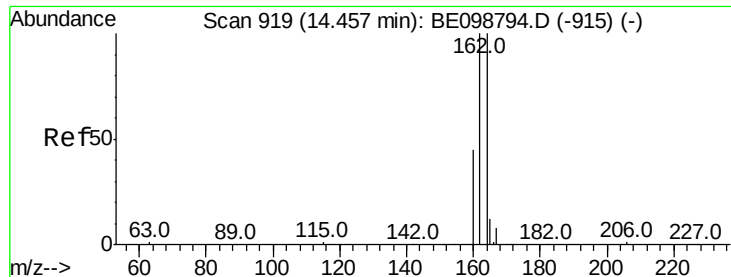
151 18.2 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

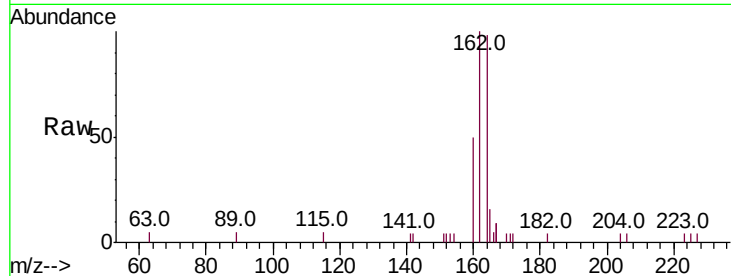
BNA_E

ClientSampleId :

RE105D2-20190311

Tot Ion:164 Resp: 2229

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.2
160	50.8	37.8	56.8

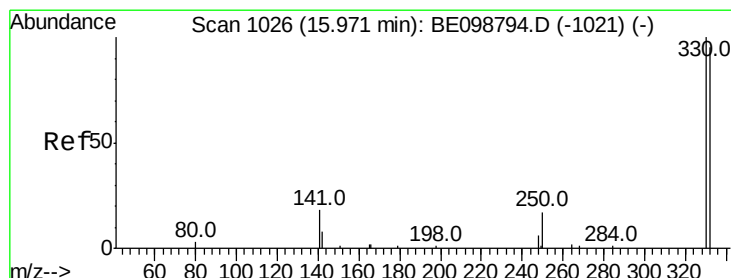
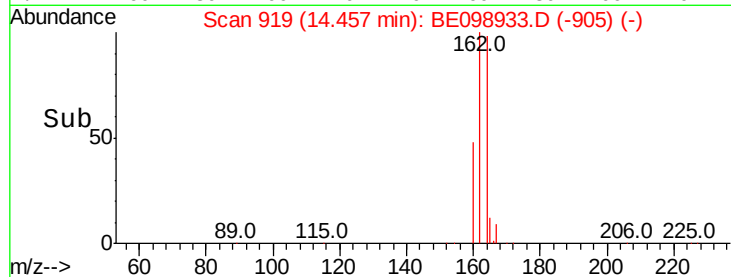
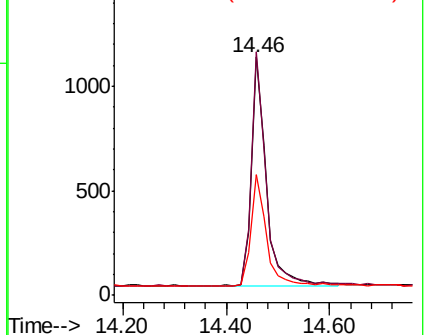


Abundance

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: 0.358 ng

RT: 15.97 min Scan# 1026

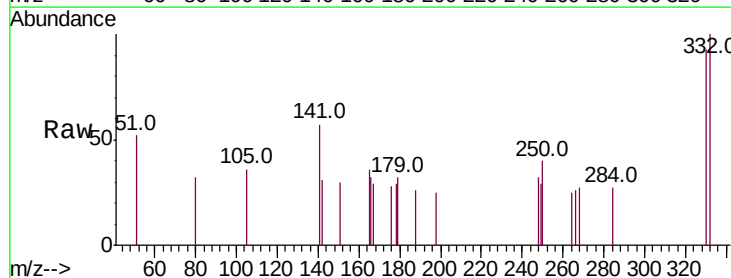
Delta R.T. -0.00 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Tgt Ion:330 Resp: 403

Ion	Ratio	Lower	Upper
330	100		
332	101.2	77.6	116.4
141	40.2	31.0	46.4

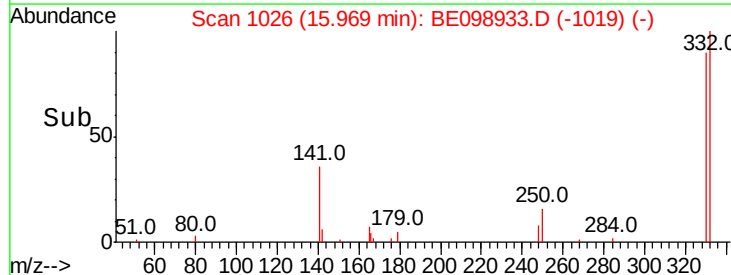
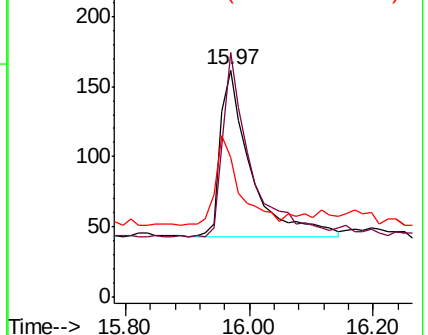


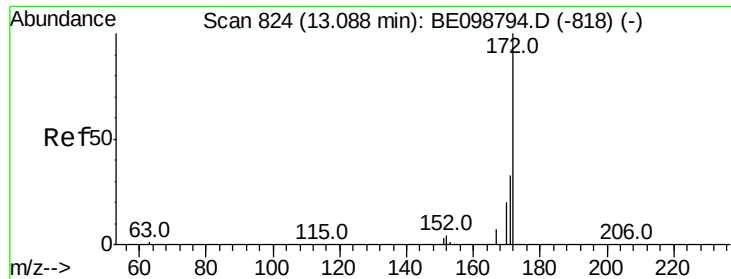
Abundance

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

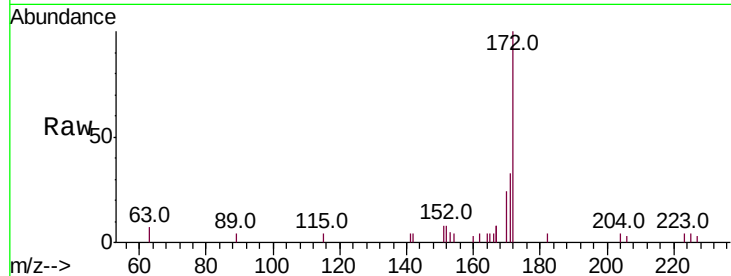




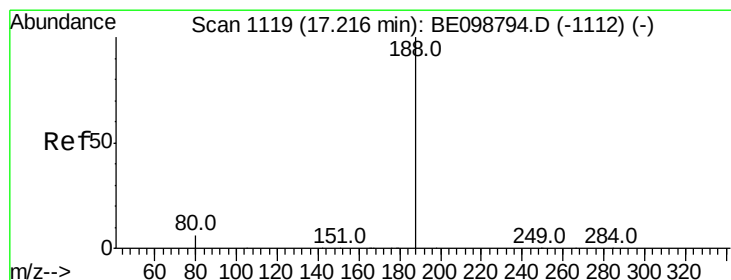
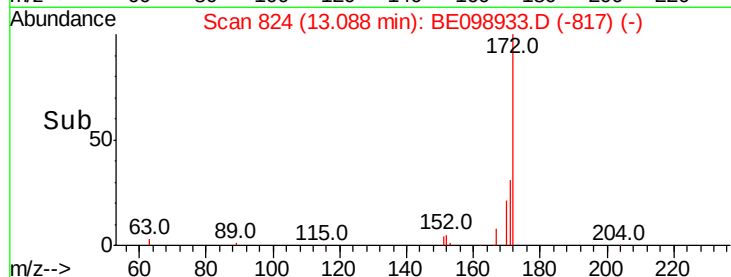
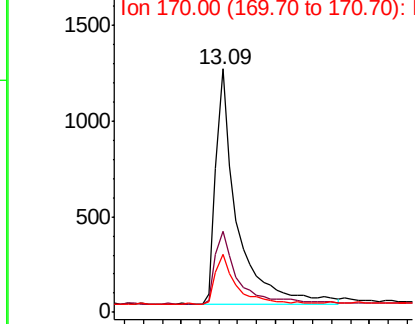
#15
2-Fluorobiphenyl
Concen: 0.417 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098933.D
Acq: 14 Mar 2019 5:36

Instrument :
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Tot Ion:172 Resp: 3845
Ion Ratio Lower Upper
172 100
171 33.5 28.0 42.0
170 23.9 17.7 26.5

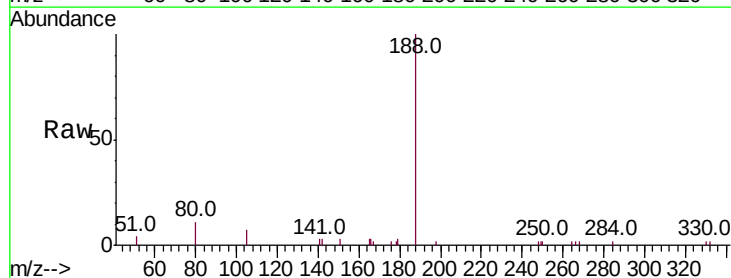


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

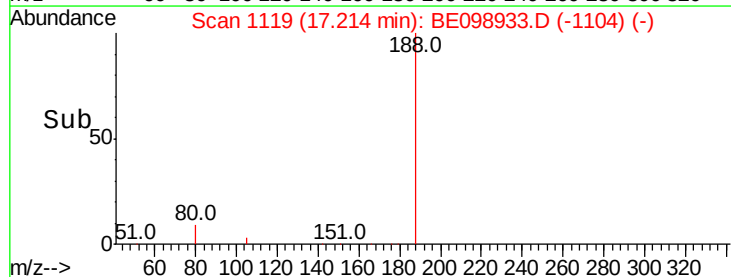
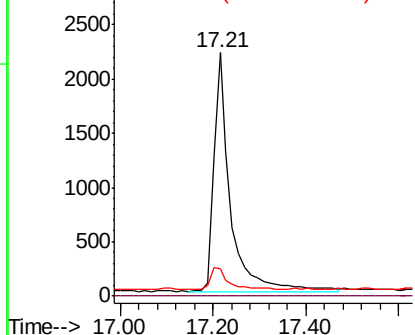


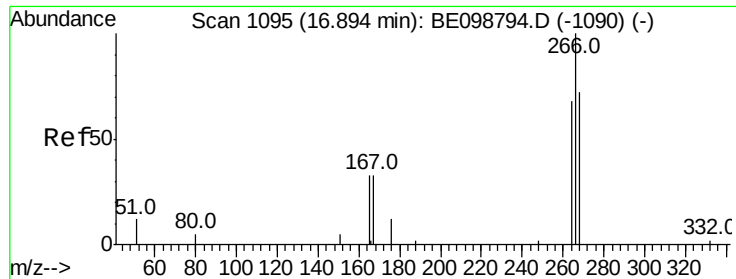
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE098933.D
Acq: 14 Mar 2019 5:36

Tgt Ion:188 Resp: 5493
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 6.3 9.5#



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





#22

Pentachlorophenol

Concen: 0.274 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

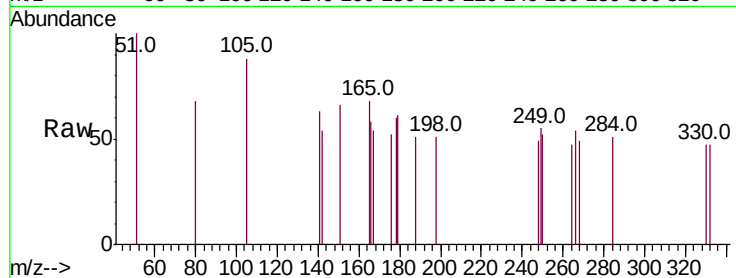
Tot Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 88.0 66.6 100.0

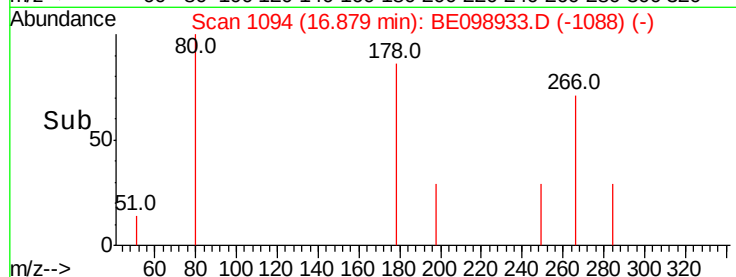
268 92.0 69.8 104.8



Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#25

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

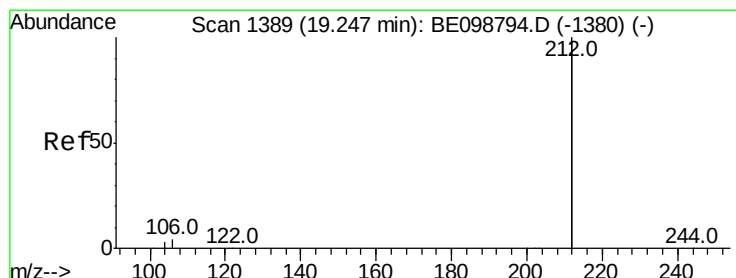
Tgt Ion:212 Resp: 31274

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

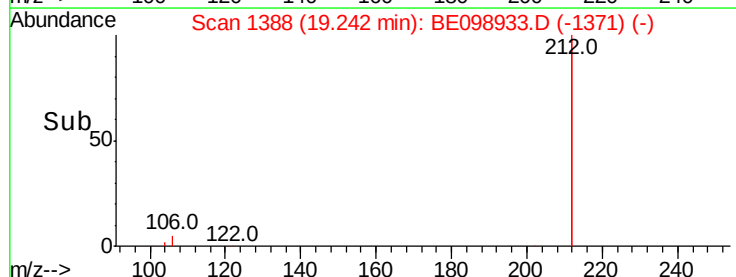
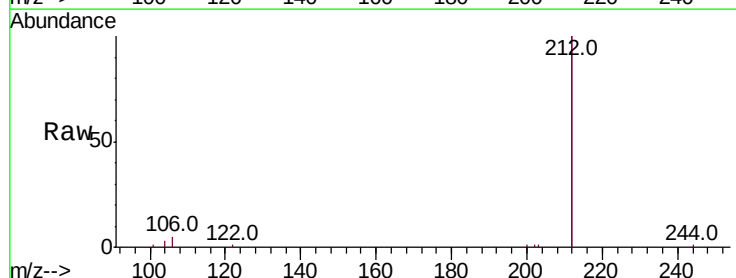
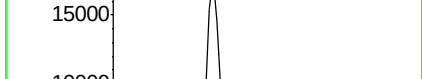
104 1.3 1.0 1.6

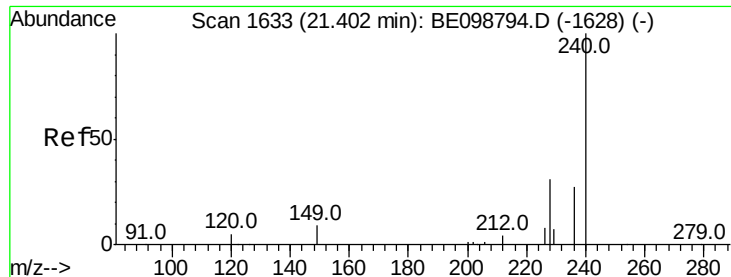


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

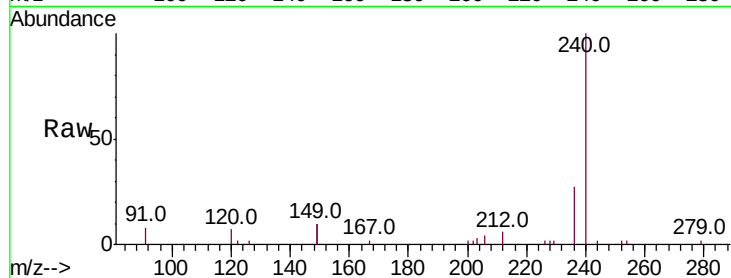
Tot Ion:240 Resp: 6354

Ion Ratio Lower Upper

240 100

120 7.4 5.0 7.4

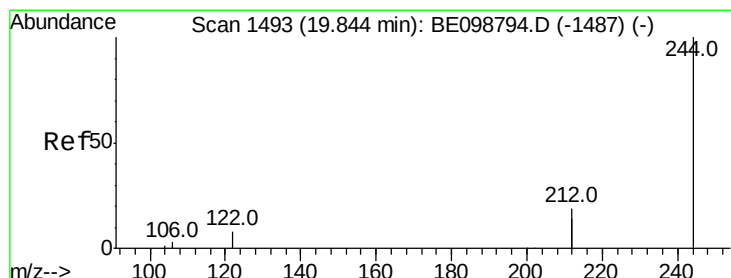
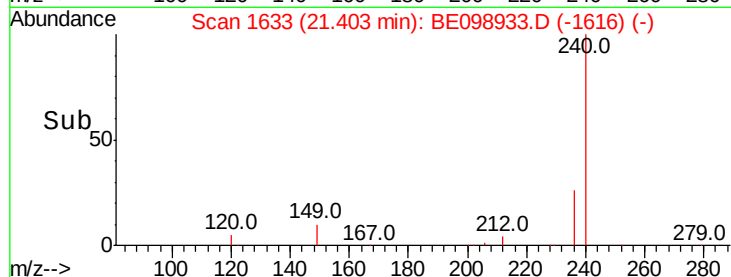
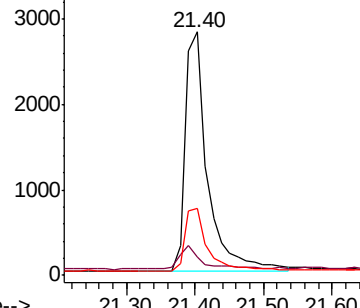
236 27.3 22.7 34.1



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



#29

Terphenyl-d14

Concen: 0.503 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.00 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

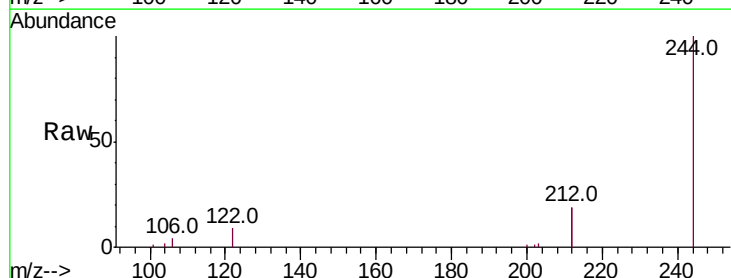
Tgt Ion:244 Resp: 7763

Ion Ratio Lower Upper

244 100

212 37.8 29.4 44.2

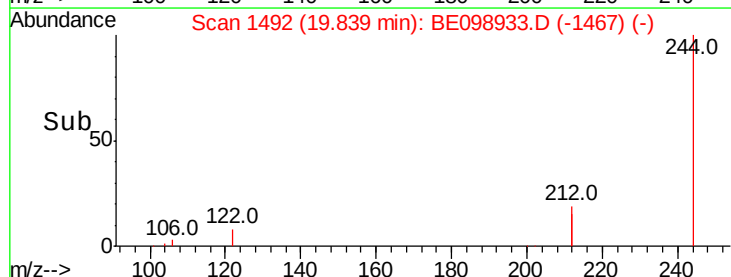
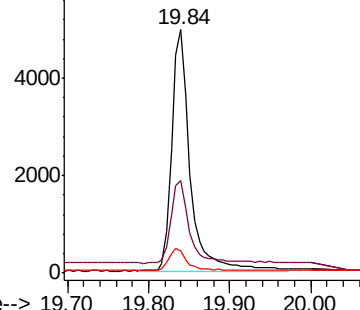
122 8.9 7.1 10.7

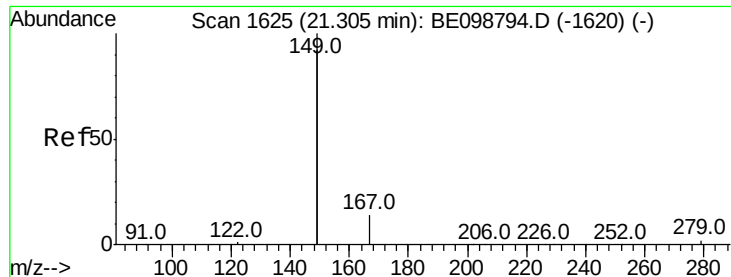


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.028 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

Instrument :

BNA_E

ClientSampleId :

RE105D2-20190311

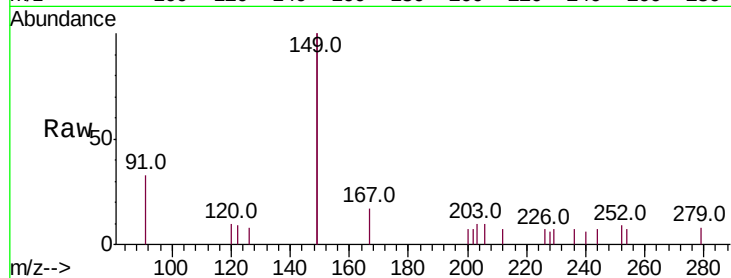
Tot Ion:149 Resp: 1197

Ion Ratio Lower Upper

149 100

167 8.1 5.4 8.0#

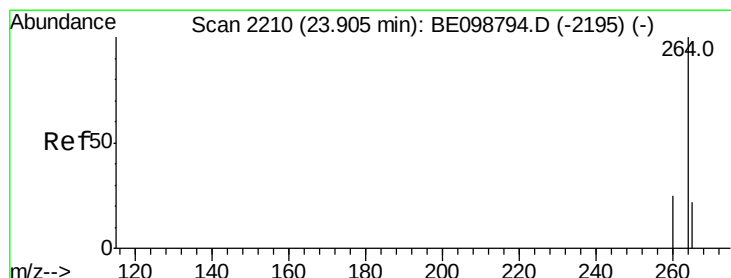
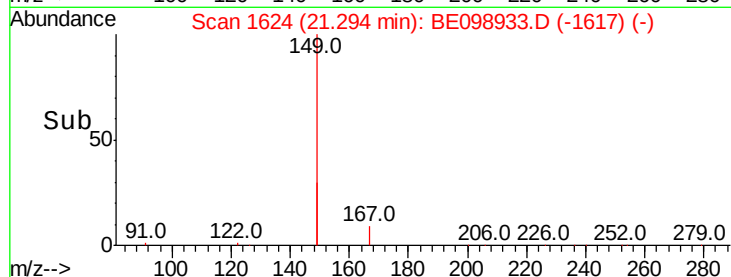
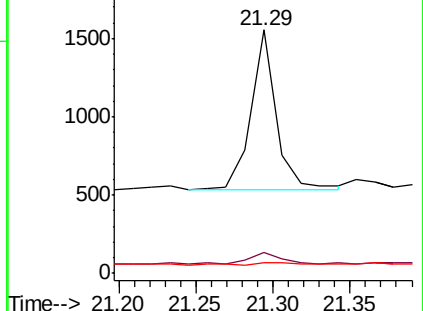
279 2.8 1.0 1.4#



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: 23.90 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BE098933.D

Acq: 14 Mar 2019 5:36

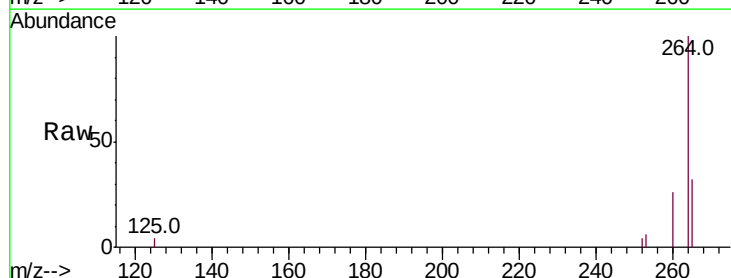
Tgt Ion:264 Resp: 5993

Ion Ratio Lower Upper

264 100

260 25.9 21.2 31.8

265 31.9 24.6 36.8



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

