

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE031119\
 Data File : BE098865.D
 Acq On : 11 Mar 2019 17:05
 Operator : JU/SJ
 Sample : K1793-17DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DUP02-20190306DL

Quant Time: Mar 12 07:25:41 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

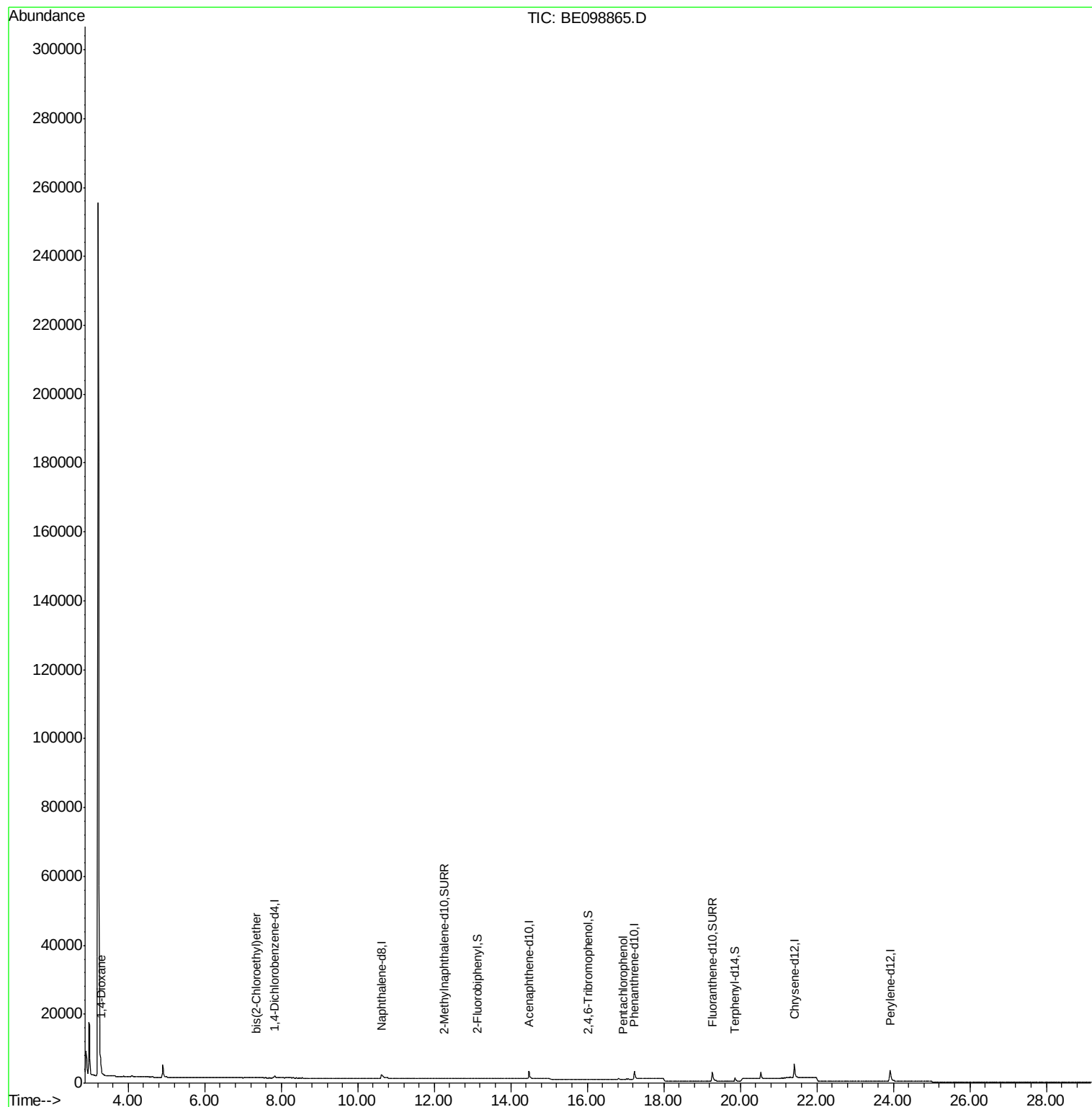
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	542	0.40	ng	0.03
7) Naphthalene-d8	10.63	136	2869	0.40	ng	0.04
13) Acenaphthene-d10	14.47	164	2204	0.40	ng	0.01
19) Phenanthrene-d10	17.23	188	5607	0.40	ng	0.01
27) Chrysene-d12	21.41	240	6614	0.40	ng	0.01
34) Perylene-d12	23.92	264	6489	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	30	0.02	ng	0.05
5) Phenol-d6	7.01	99	4	0.00	ng	0.02
8) Nitrobenzene-d5	9.03	82	6	0.00	ng	0.06
11) 2-Methylnaphthalene-d10	12.27	152	425	0.08	ng	0.07
14) 2,4,6-Tribromophenol	16.01	330	55	0.05	ng	0.04
15) 2-Fluorobiphenyl	13.13	172	711	0.08	ng	0.04
25) Fluoranthene-d10	19.27	212	6641	0.07	ng	0.02
29) Terphenyl-d14	19.86	244	1604	0.10	ng	0.02
Target Compounds						
2) 1,4-Dioxane	3.29	88	1529	1.728	ng	91
6) bis(2-Chloroethyl)ether	7.34	93	38	0.022	ng	# 1
22) Pentachlorophenol	16.93	266	5	0.269	ng	89

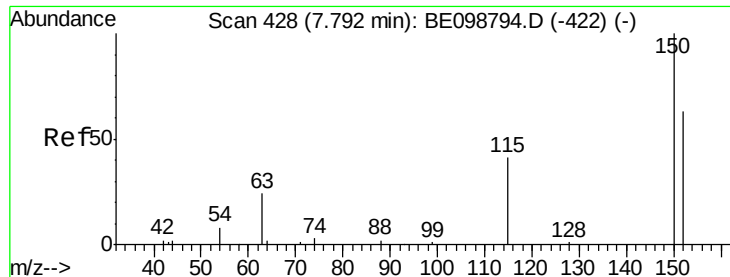
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. 0.03 min

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Instrument :

BNA_E

ClientSampleId :

DUP02-20190306DL

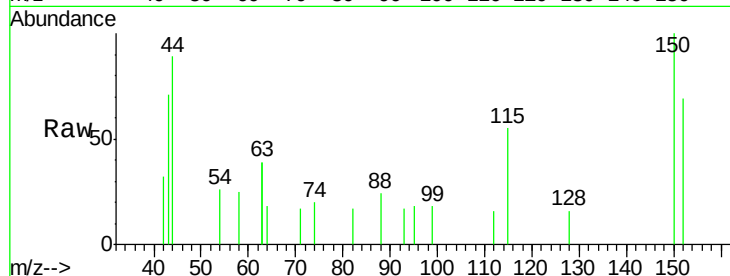
Tgt Ion:152 Resp: 542

Ion Ratio Lower Upper

152 100

150 144.7 122.5 183.7

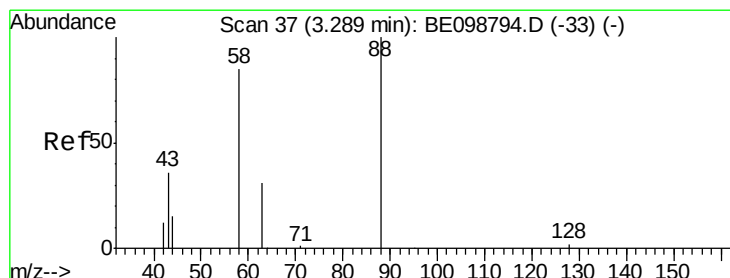
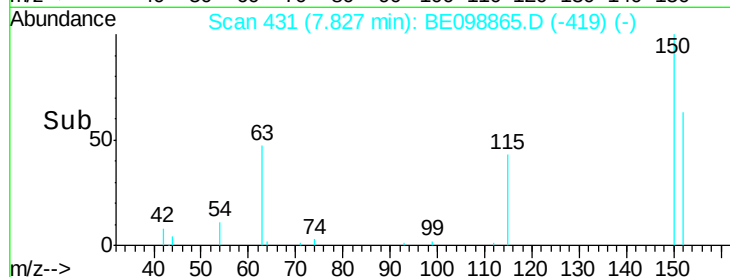
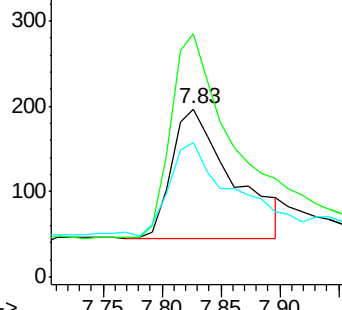
115 79.7 57.4 86.2



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: 1.728 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.00 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

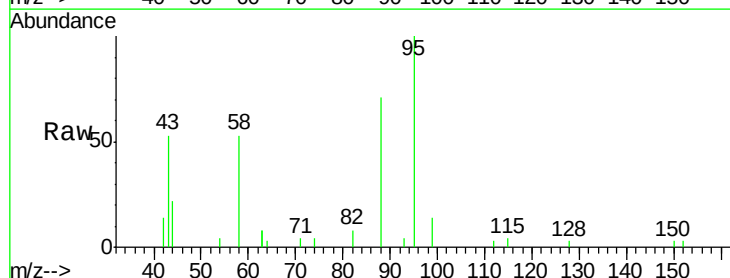
Tgt Ion: 88 Resp: 1529

Ion Ratio Lower Upper

88 100

58 88.1 75.8 113.6

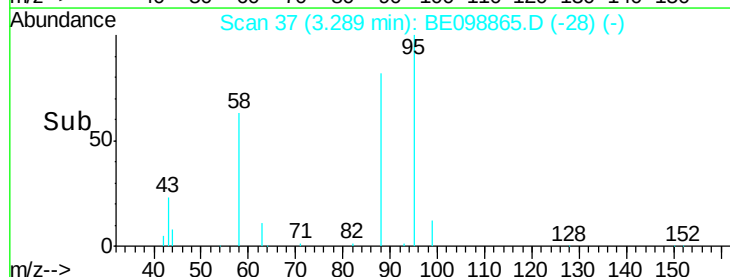
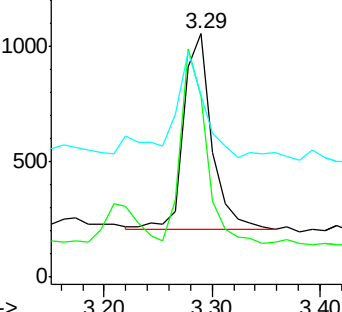
43 43.7 41.8 62.8

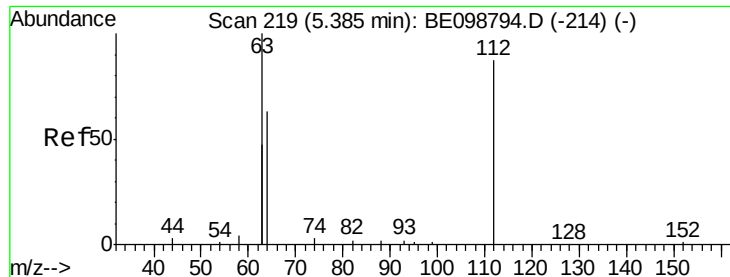


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 0.019 ng

RT: 5.43 min Scan# 223

Delta R.T. 0.05 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

Instrument :

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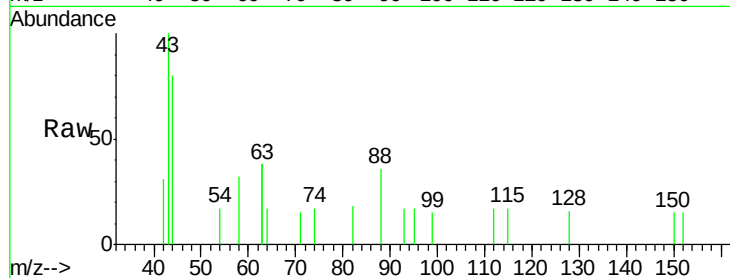
Tgt Ion: 112 Resp: 30

Ion Ratio Lower Upper

112 100

64 0.0 57.9 86.9#

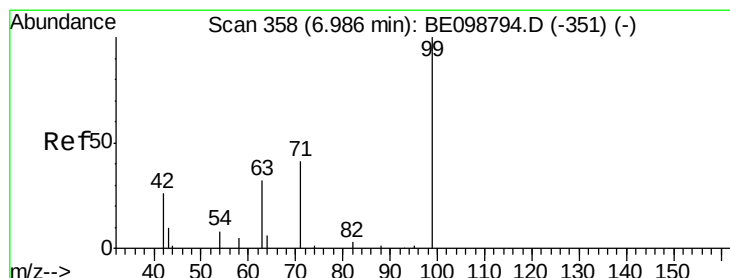
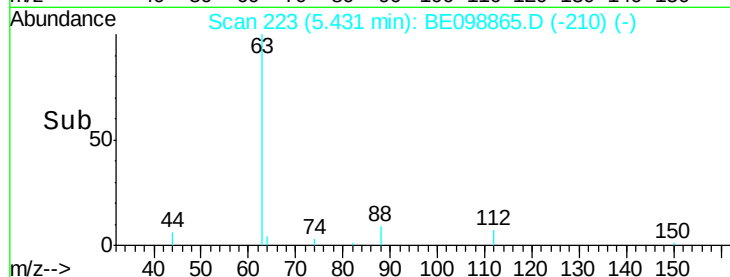
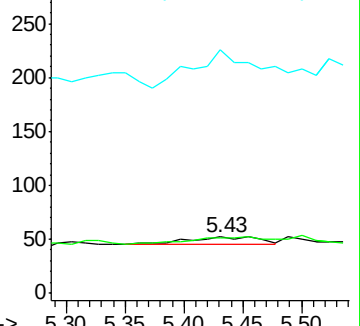
63 466.7 158.3 237.5#



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



#5

Phenol-d6

Concen: 0.002 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.02 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

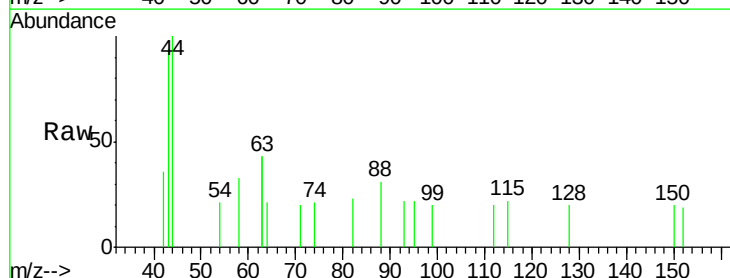
Tgt Ion: 99 Resp: 4

Ion Ratio Lower Upper

99 100

42 475.0 24.2 36.2#

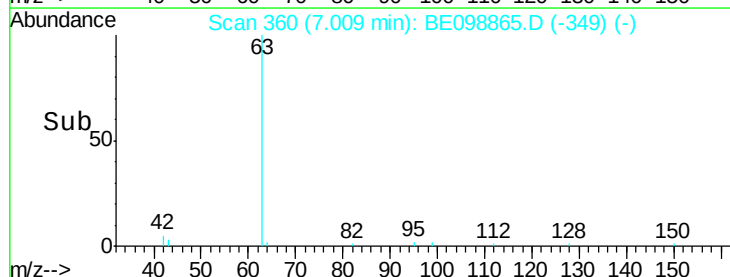
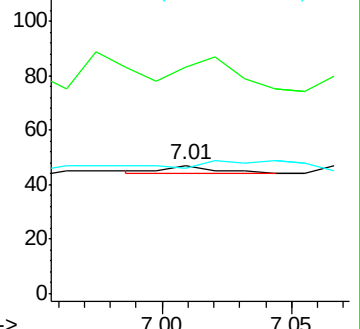
71 250.0 35.7 53.5#

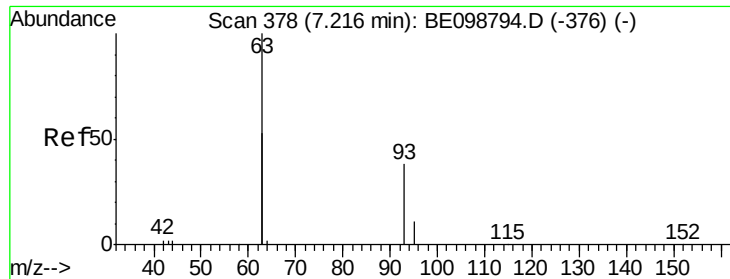


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.34 min Scan# 389

Delta R.T. 0.13 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

Instrument :

BNA_E

ClientSampleId :

DUP02-20190306DL

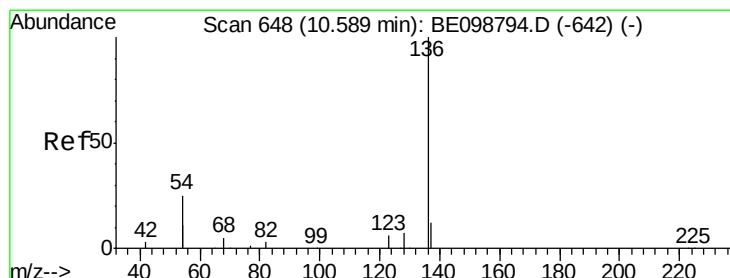
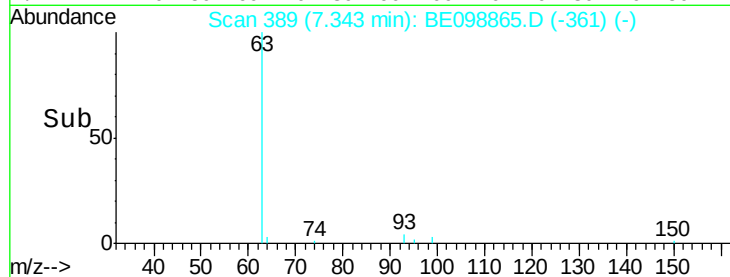
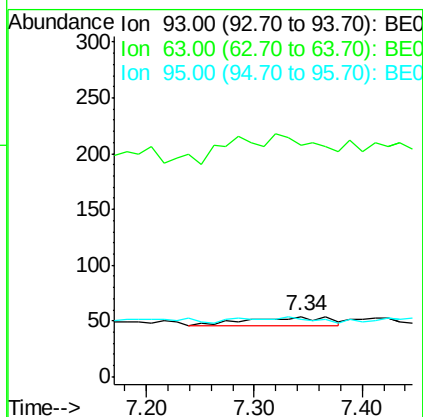
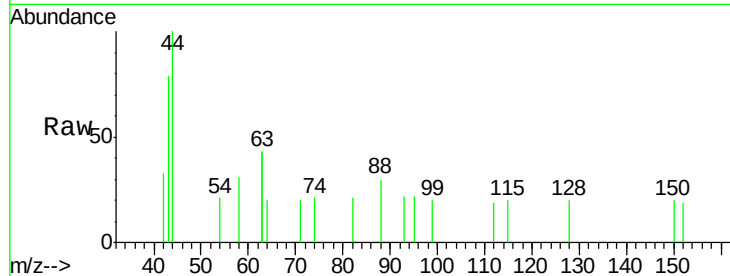
Tgt Ion: 93 Resp: 38

Ion Ratio Lower Upper

93 100

63 0.0 247.5 371.3#

95 36.8 21.8 32.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.04 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

Tgt Ion: 136 Resp: 2869

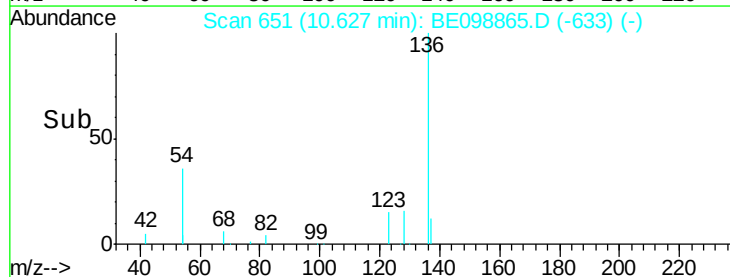
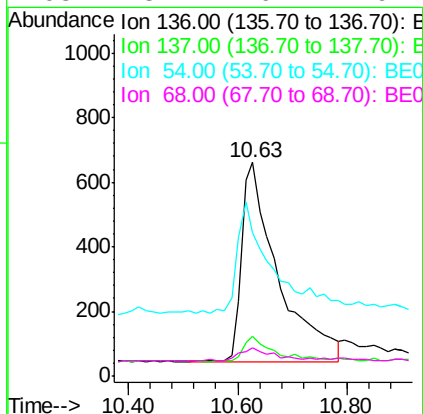
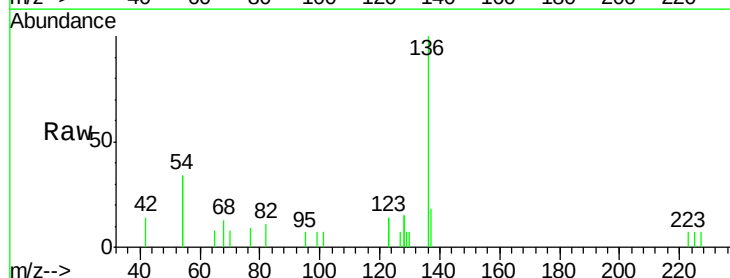
Ion Ratio Lower Upper

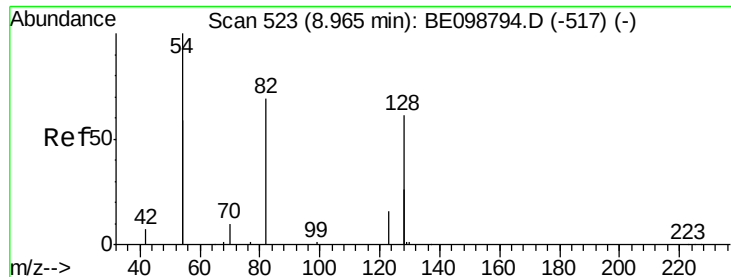
136 100

137 18.3 11.4 17.0#

54 67.2 39.3 58.9#

68 13.2 6.7 10.1#

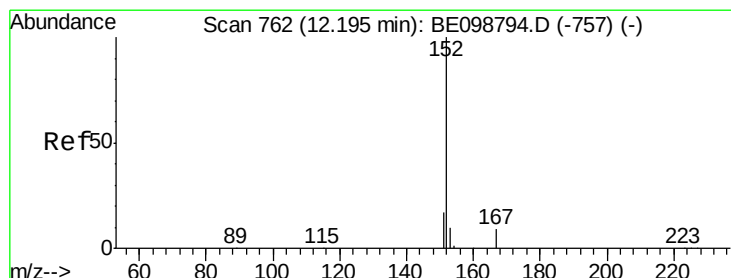
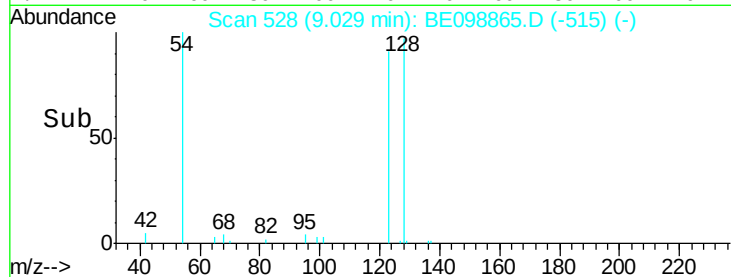
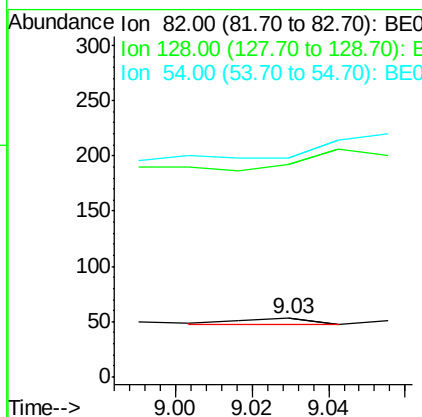
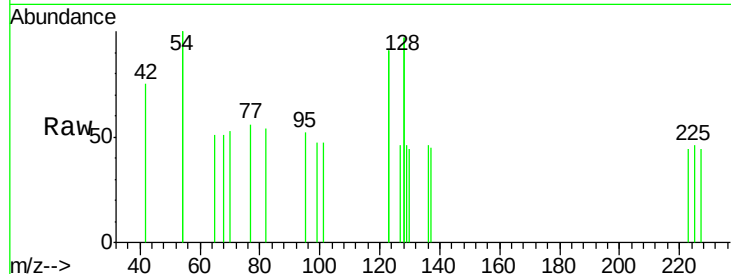




#8
 Nitrobenzene-d5
 Concen: 0.002 ng
 RT: 9.03 min Scan# 528
 Delta R.T. 0.06 min
 Lab File: BE098865.D
 Acq: 11 Mar 2019 17:05

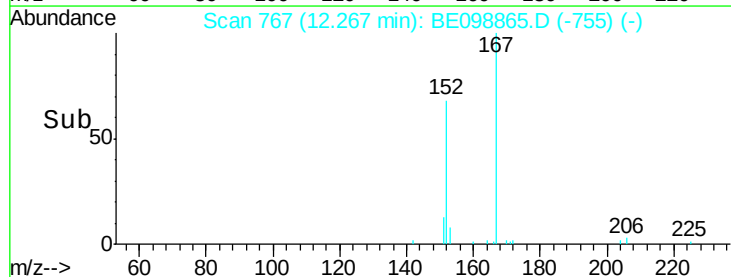
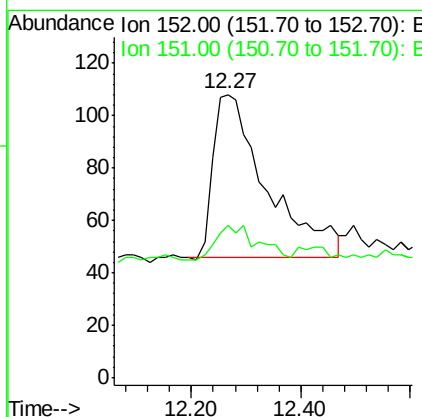
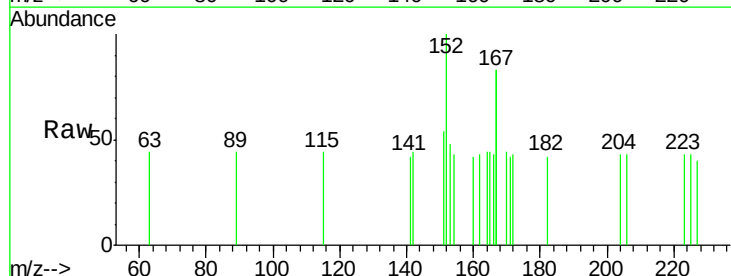
Instrument :
 BNA_E
 ClientSampleId :
 DUP02-20190306DL

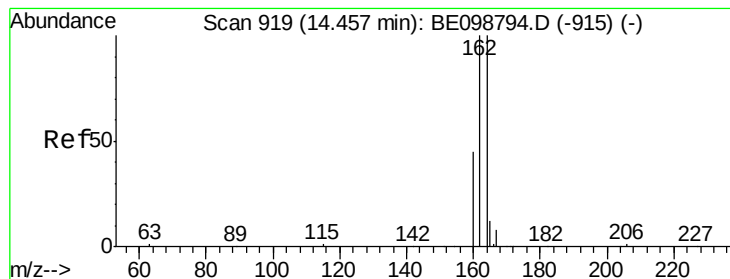
Tgt Ion: 82 Resp: 6
 Ion Ratio Lower Upper
 82 100
 128 362.3 123.8 185.8#
 54 373.6 203.4 305.2#



#11
 2-Methylnaphthalene-d10
 Concen: 0.080 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.07 min
 Lab File: BE098865.D
 Acq: 11 Mar 2019 17:05

Tgt Ion: 152 Resp: 425
 Ion Ratio Lower Upper
 152 100
 151 16.5 16.5 24.7#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.47 min Scan# 920

Delta R.T. 0.01 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

Instrument :

BNA_E

ClientSampleId :

DUP02-20190306DL

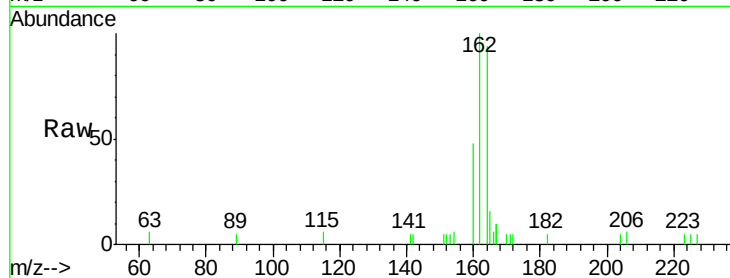
Tgt Ion:164 Resp: 2204

Ion Ratio Lower Upper

164 100

162 106.0 80.2 120.2

160 50.6 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

1200

1000

800

600

400

200

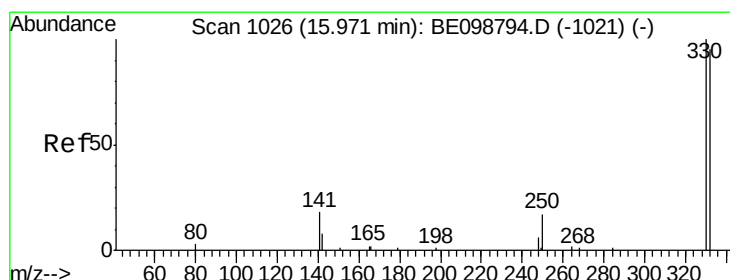
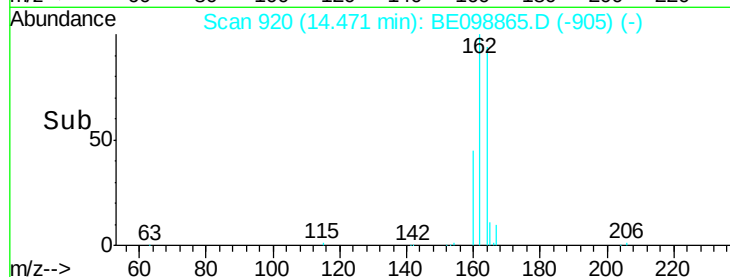
0

14.47

14.40

14.60

Time-->



#14

2,4,6-Tribromophenol

Concen: 0.049 ng

RT: 16.01 min Scan# 1029

Delta R.T. 0.04 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

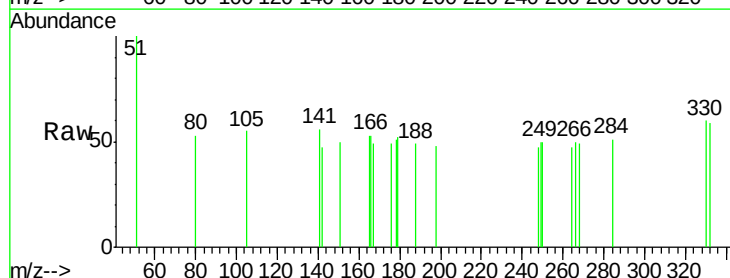
Tgt Ion:330 Resp: 55

Ion Ratio Lower Upper

330 100

332 92.7 77.6 116.4

141 49.1 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

60

40

20

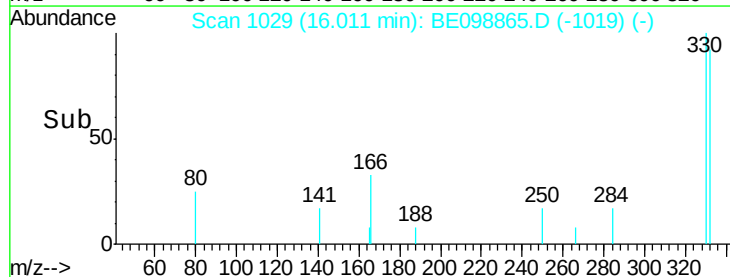
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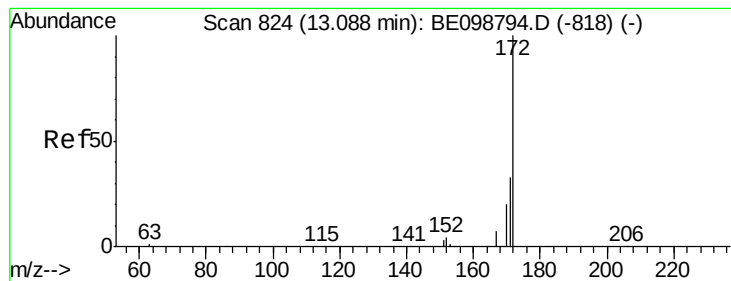
16.01

15.90

16.10

Time-->

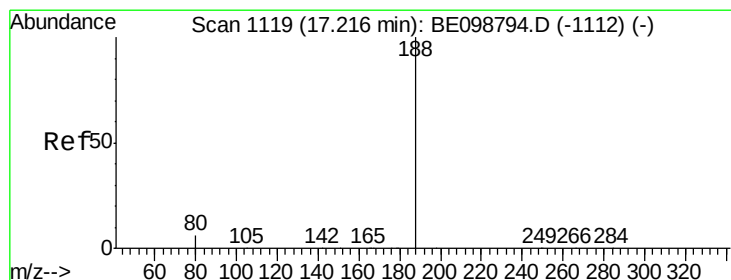
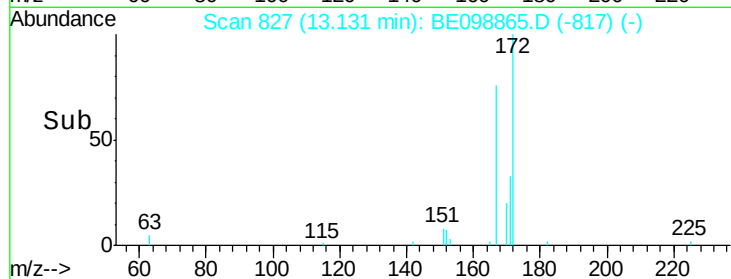
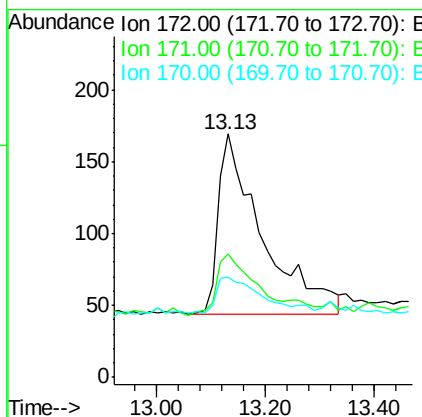
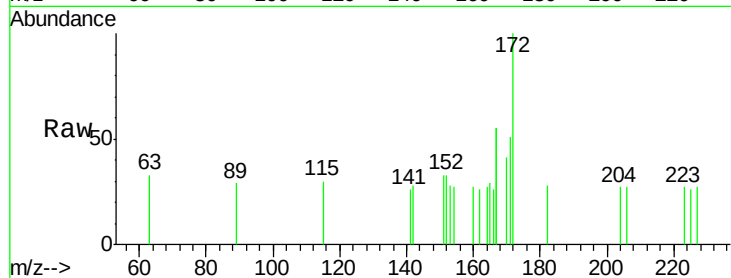




#15
2-Fluorobiphenyl
Concen: 0.078 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.04 min
Lab File: BE098865.D
Acq: 11 Mar 2019 17:05

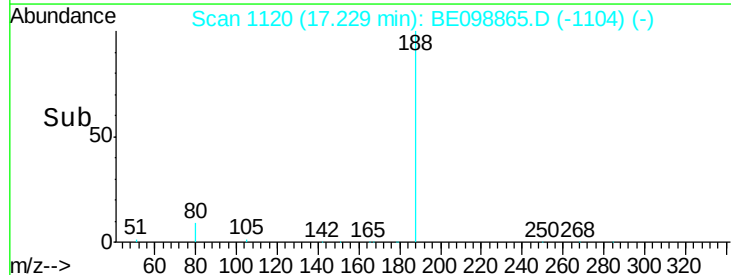
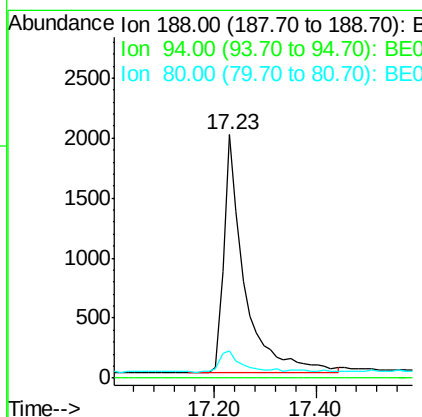
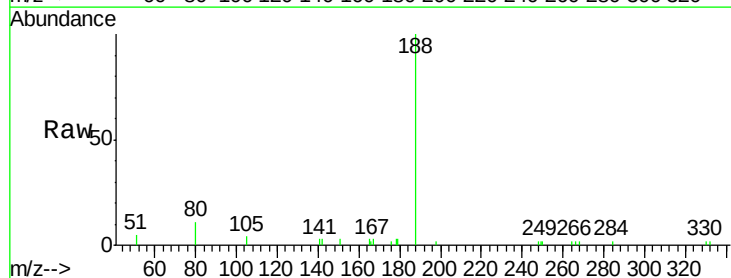
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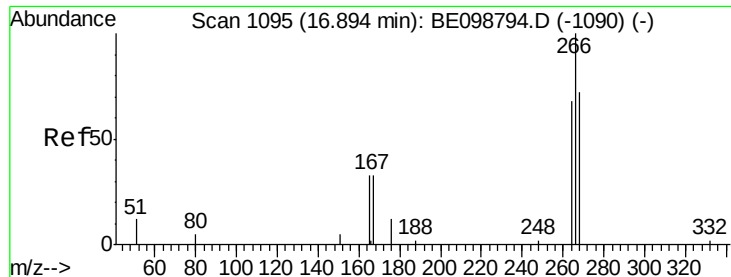
Tgt Ion:172 Resp: 711
Ion Ratio Lower Upper
172 100
171 50.9 28.0 42.0#
170 41.4 17.7 26.5#



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.01 min
Lab File: BE098865.D
Acq: 11 Mar 2019 17:05

Tgt Ion:188 Resp: 5607
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 6.3 9.5#





#22

Pentachlorophenol

Concen: 0.269 ng

RT: 16.93 min Scan# 1098

Delta R.T. 0.04 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

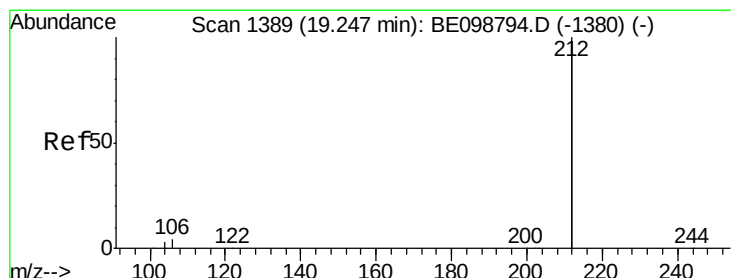
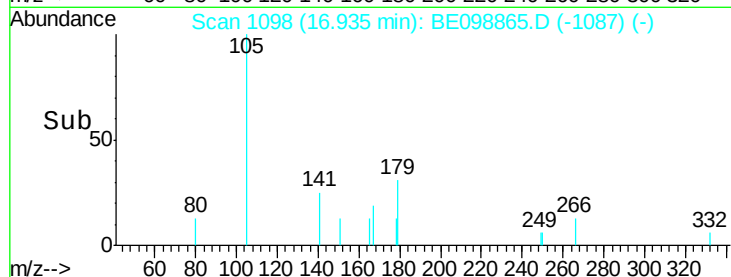
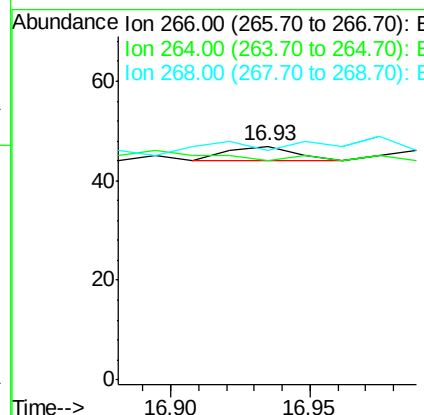
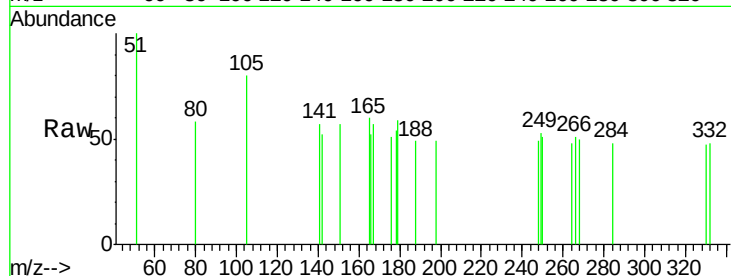
Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:	266	Resp:	5
Ion	Ratio	Lower	Upper
266	100		
264	93.6	66.6	100.0
268	97.9	69.8	104.8



#25

Fluoranthene-d10

Concen: 0.074 ng

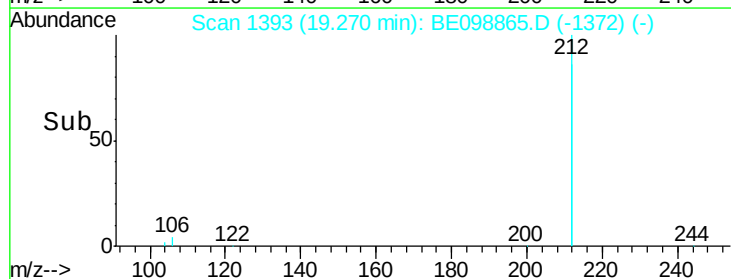
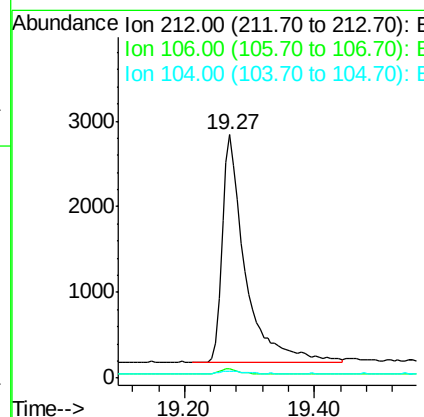
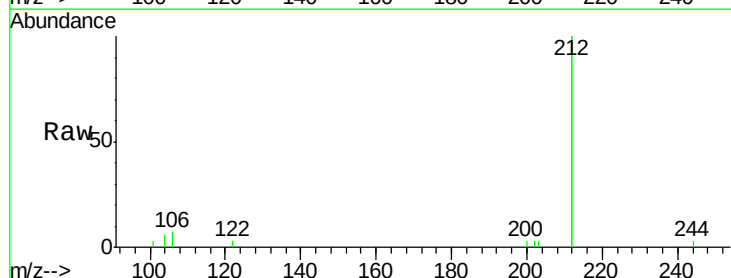
RT: 19.27 min Scan# 1393

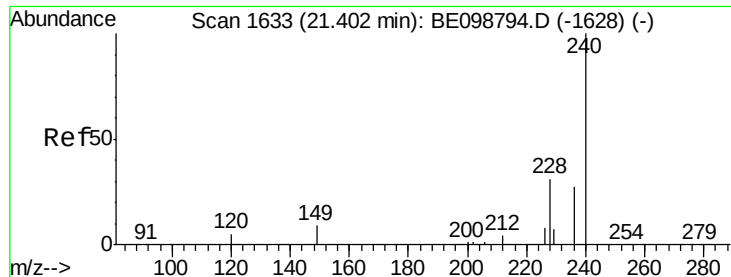
Delta R.T. 0.02 min

Lab File: BE098865.D

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Tgt Ion:	212	Resp:	6641
Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.3	1.0	1.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

Instrument :

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ClientSampleId :

DUP02-20190306DL

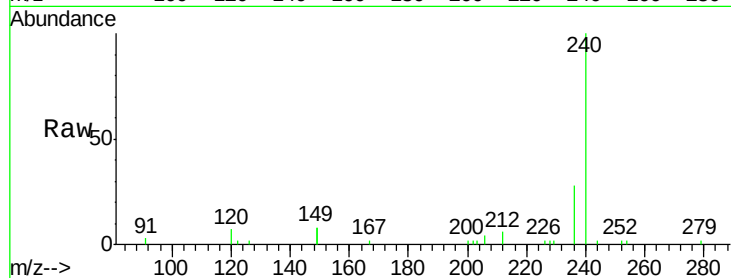
Tgt Ion:240 Resp: 6614

Ion Ratio Lower Upper

240 100

120 7.3 5.0 7.4

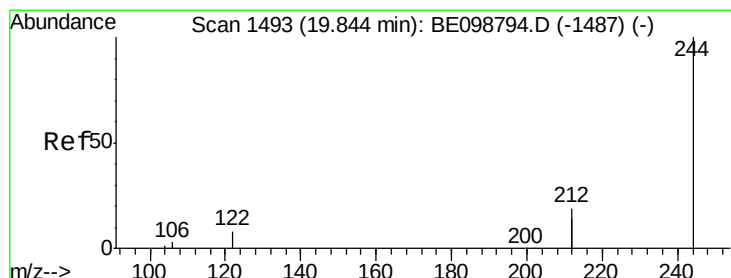
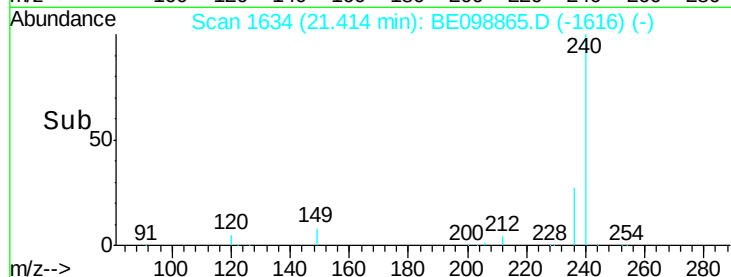
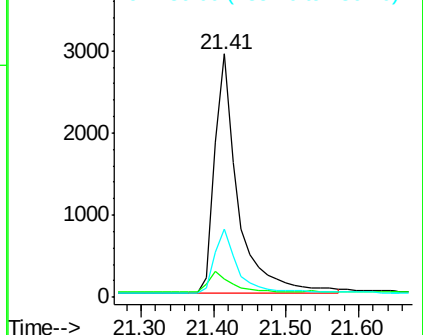
236 28.0 22.7 34.1



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: 0.100 ng

RT: 19.86 min Scan# 1496

Delta R.T. 0.02 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

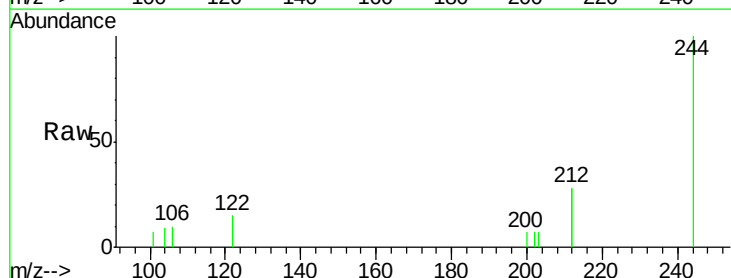
Tgt Ion:244 Resp: 1604

Ion Ratio Lower Upper

244 100

212 56.8 29.4 44.2#

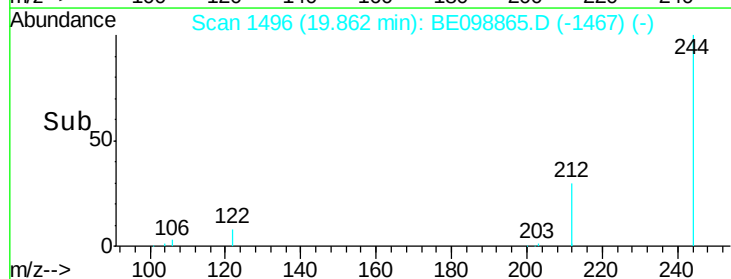
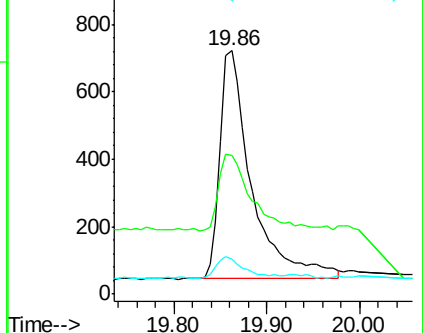
122 14.5 7.1 10.7#

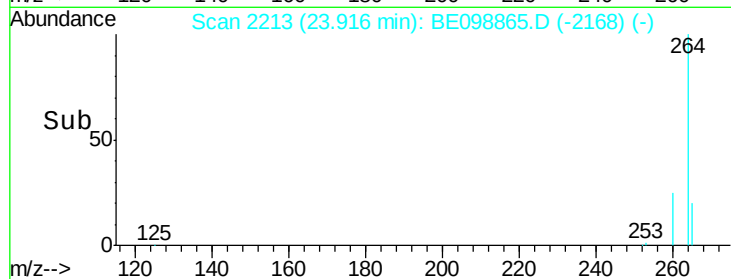
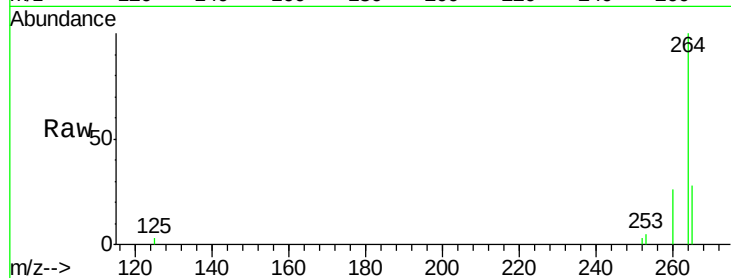
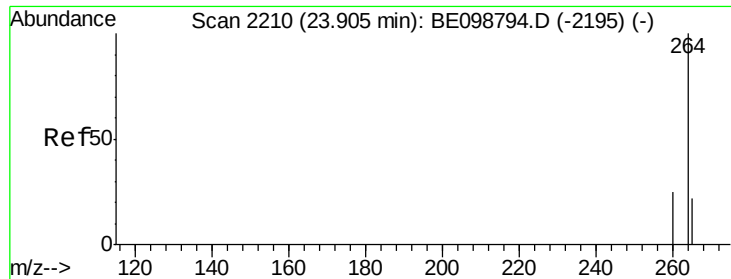


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.92 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BE098865.D

Acq: 11 Mar 2019 17:05

Instrument :

BNA_E

ClientSampleId :

DUP02-20190306DL

Tgt Ion: 264 Resp: 6489

Ion Ratio Lower Upper

264 100

260 26.1 21.2 31.8

265 27.9 24.6 36.8

