

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121218\
 Data File : BE098371.D
 Acq On : 12 Dec 2018 21:15
 Operator : SJ/JU
 Sample : J6324-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE-103D2-20181205

Quant Time: Dec 13 05:53:18 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	7.86	152	999	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4260	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2807	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7390	0.40	ng	0.00
27) Chrysene-d12	21.46	240	8707	0.40	ng	0.00
34) Perylene-d12	24.01	264	8273	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.46	112	453	0.19	ng	0.01
5) Phenol-d6	7.05	99	332	0.10	ng	0.00
8) Nitrobenzene-d5	9.04	82	1347	0.35	ng	0.03
11) 2-Methylnaphthalene-d10	12.27	152	2949	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	494	0.48	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5429	0.46	ng	0.00
25) Fluoranthene-d10	19.30	212	44366	0.47	ng	0.00
29) Terphenyl-d14	19.90	244	8458	0.40	ng	0.00

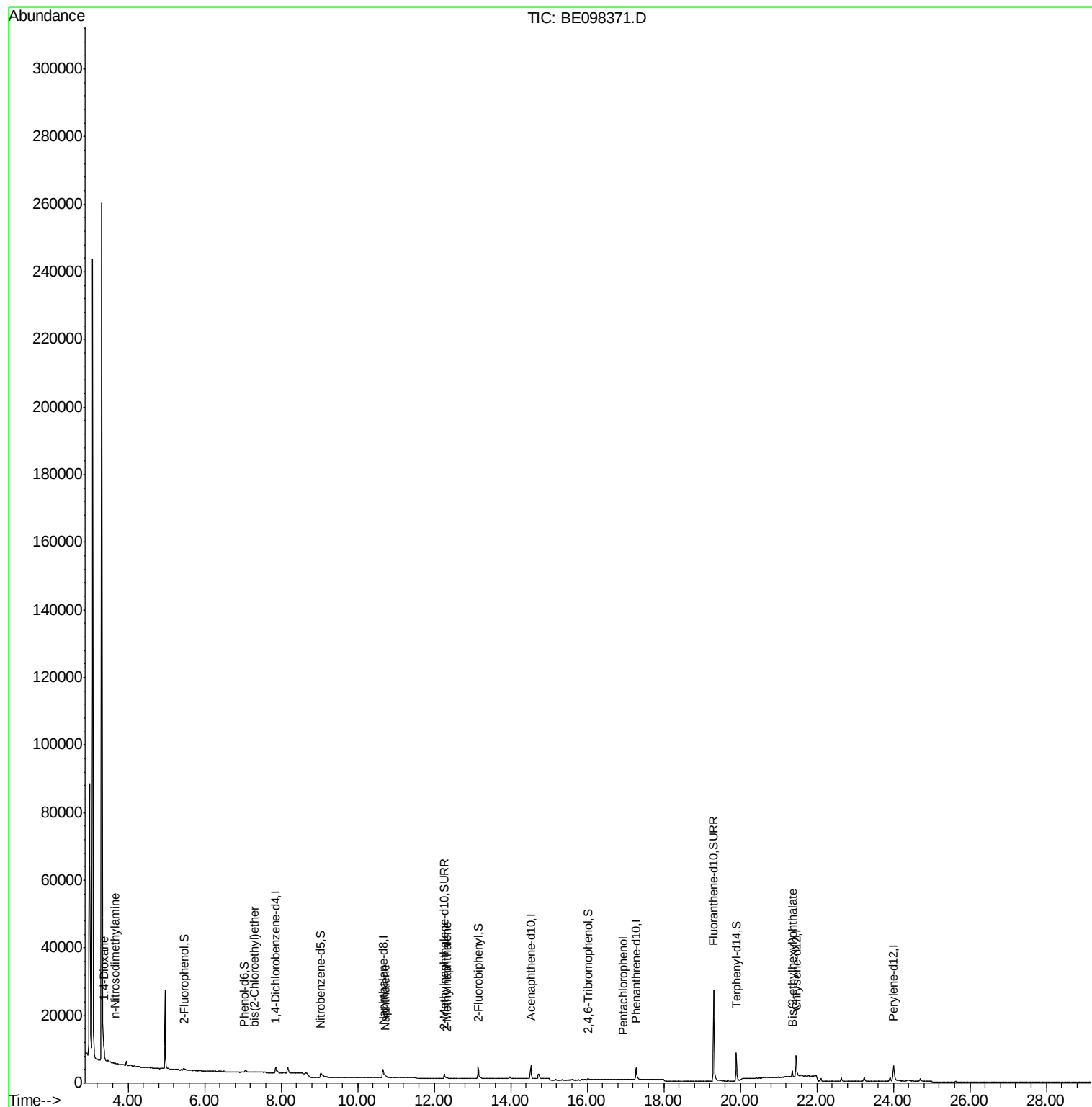
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	1335	0.773	ng	# 83
3) n-Nitrosodimethylamine	3.66	42	44	0.028	ng	# 100
6) bis(2-Chloroethyl)ether	7.29	93	108	0.034	ng	# 43
9) Naphthalene	10.72	128	1586	0.037	ng	# 84
12) 2-Methylnaphthalene	12.34	142	335	0.048	ng	# 91
22) Pentachlorophenol	16.94	266	7	0.027	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.37	149	2338	0.046	ng	# 99

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

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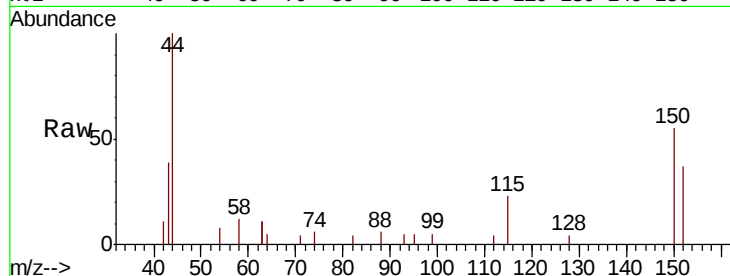


#1

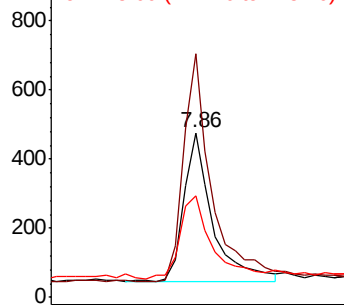
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098371.D
Acq: 12 Dec 2018 21:15

Instrument :
BNA_E
ClientSampleId :
RE-103D2-20181205

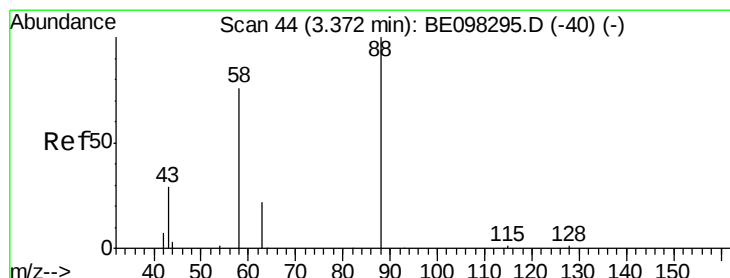
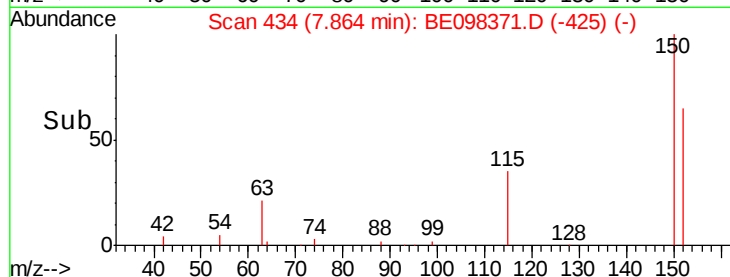
Tgt Ion:152 Resp: 999
Ion Ratio Lower Upper
152 100
150 148.1 124.2 186.4
115 61.8 53.9 80.9



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



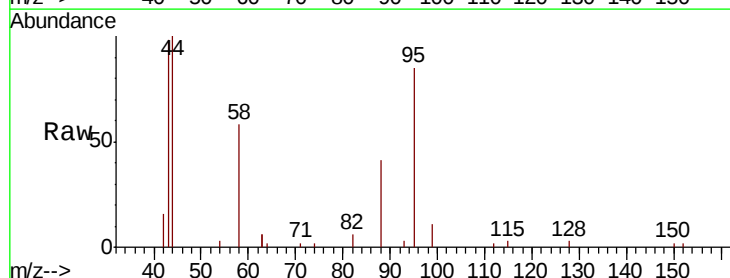
Time--> 7.70 7.80 7.90 8.00



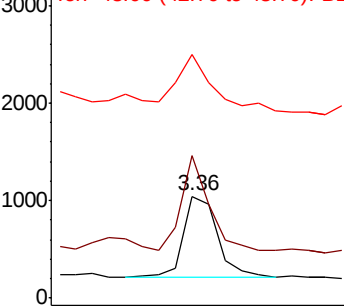
#2

1,4-Dioxane
Concen: 0.773 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098371.D
Acq: 12 Dec 2018 21:15

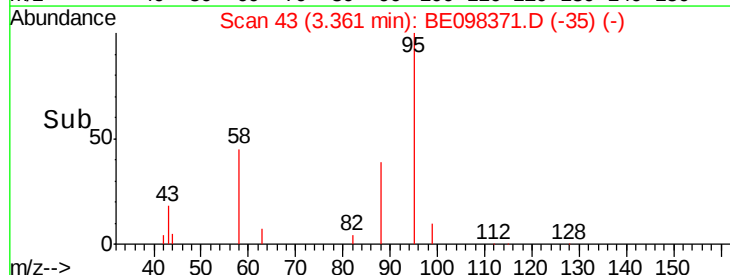
Tgt Ion: 88 Resp: 1335
Ion Ratio Lower Upper
88 100
58 97.1 75.0 112.6
43 77.5 38.3 57.5#



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



Time--> 3.30 3.35 3.40 3.45





#3

n-Nitrosodimethylamine

Concen: 0.028 ng

RT: 3.66 min Scan# 69

Delta R.T. -0.03 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

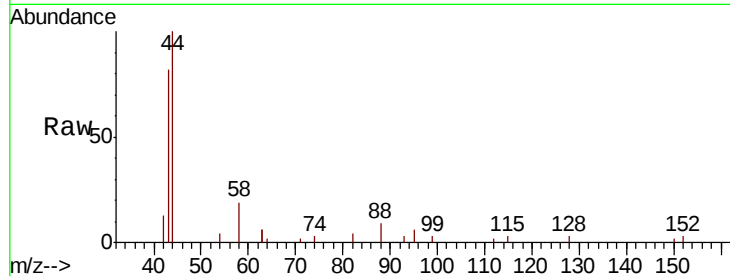
Instrument :

BNA_E

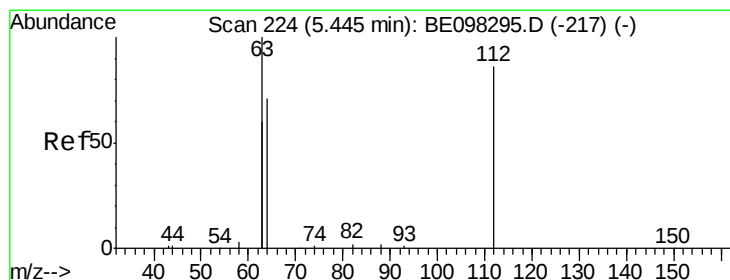
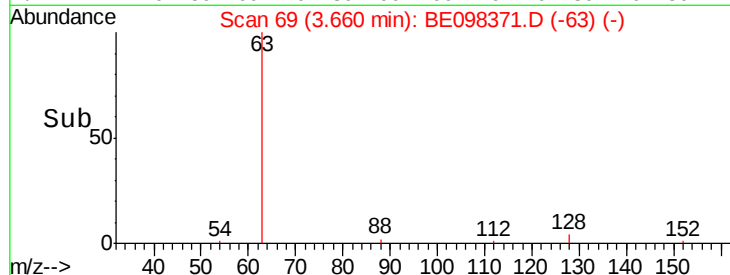
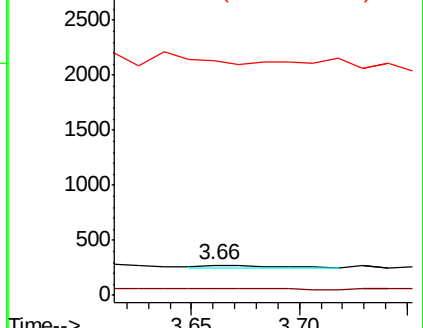
ClientSampleId :

RE-103D2-20181205

Tgt Ion:	42	Resp:	44
Ion	Ratio	Lower	Upper
42	100		
74	38.6	0.0	0.0#
44	0.0	0.0	0.0



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: 0.194 ng

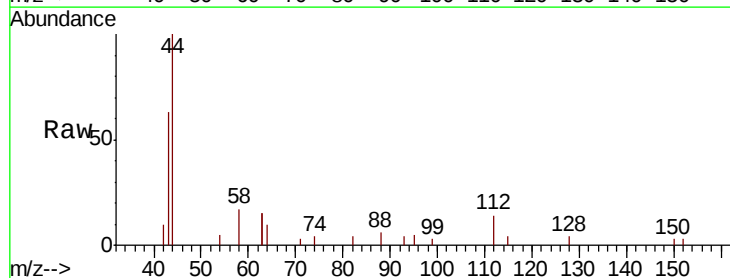
RT: 5.46 min Scan# 225

Delta R.T. 0.01 min

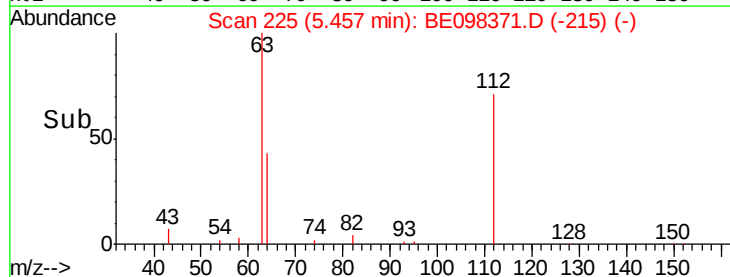
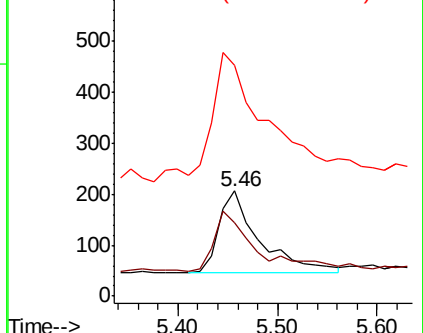
Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Tgt Ion:	112	Resp:	453
Ion	Ratio	Lower	Upper
112	100		
64	80.6	59.8	89.8
63	245.0	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





#5

Phenol-d6

Concen: 0.100 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Instrument :

BNA_E

ClientSampleId :

RE-103D2-20181205

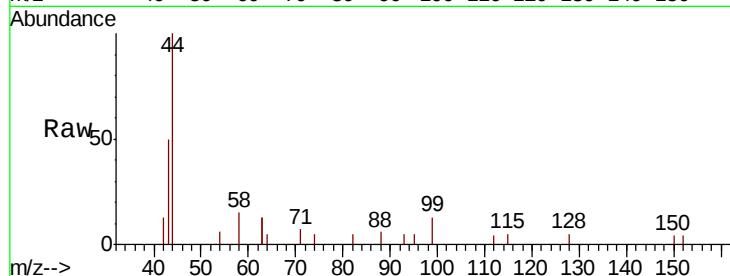
Tgt Ion: 99 Resp: 332

Ion Ratio Lower Upper

99 100

42 55.7 26.3 39.5#

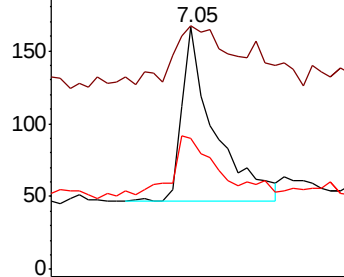
71 40.4 33.6 50.4



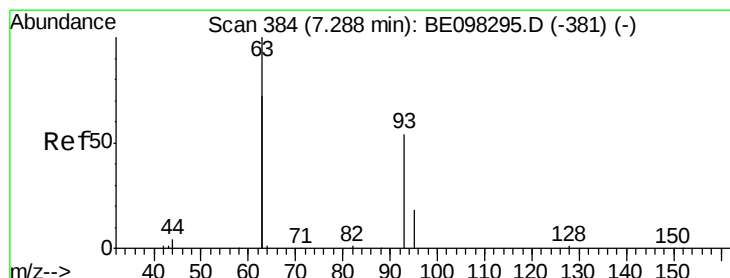
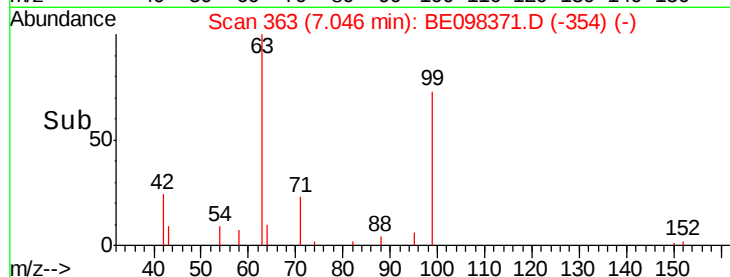
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.034 ng

RT: 7.29 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

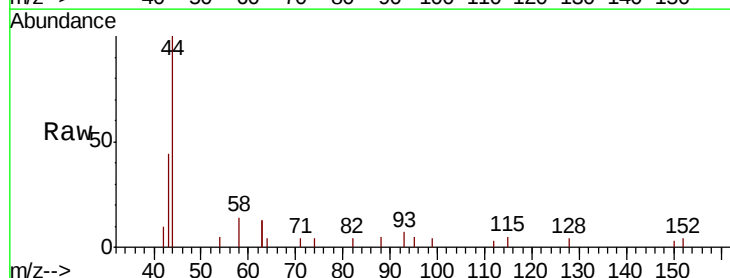
Tgt Ion: 93 Resp: 108

Ion Ratio Lower Upper

93 100

63 201.9 264.4 396.6#

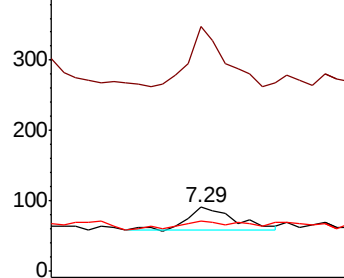
95 26.9 26.6 40.0



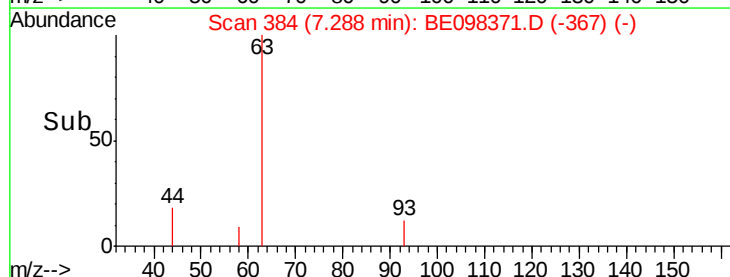
Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Instrument :

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ClientSampleId :

RE-103D2-20181205

Tgt Ion:136 Resp: 4260

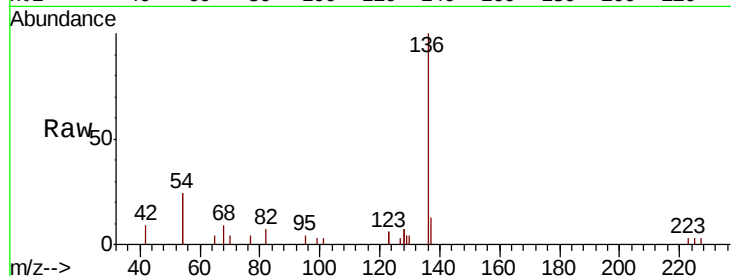
Ion Ratio Lower Upper

136 100

137 13.3 9.2 13.8

54 48.0 28.4 42.6#

68 8.6 5.4 8.0#

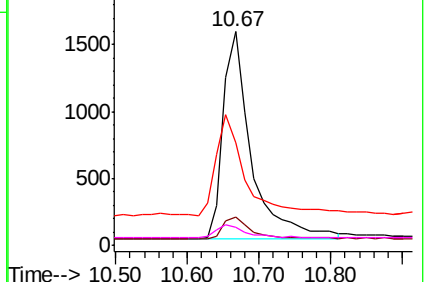
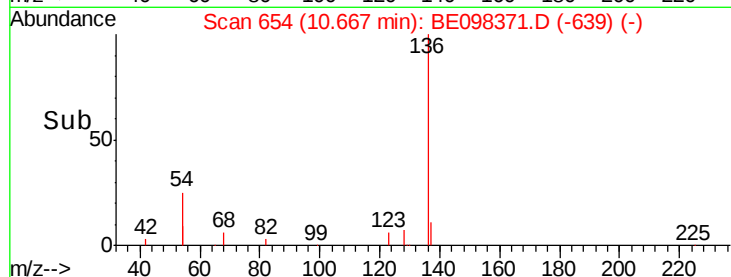


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.347 ng

RT: 9.04 min Scan# 529

Delta R.T. 0.03 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

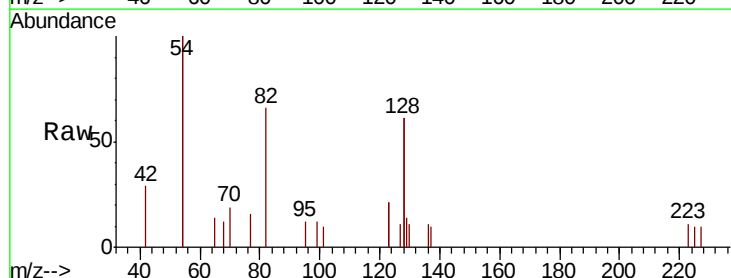
Tgt Ion: 82 Resp: 1347

Ion Ratio Lower Upper

82 100

128 183.5 102.4 153.6#

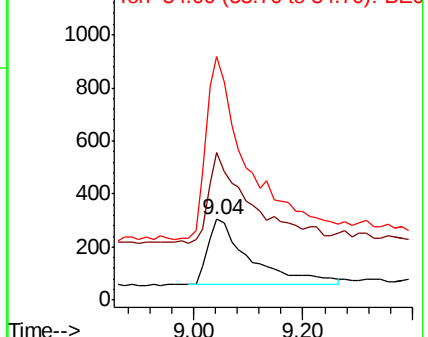
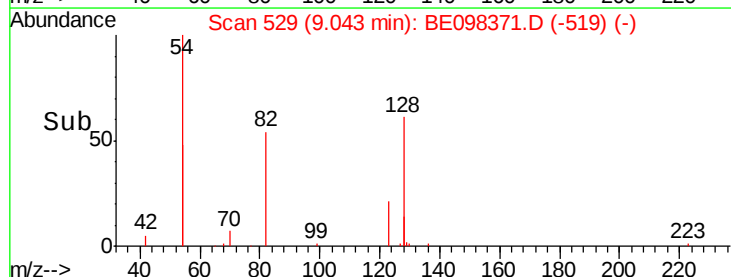
54 303.0 221.8 332.8

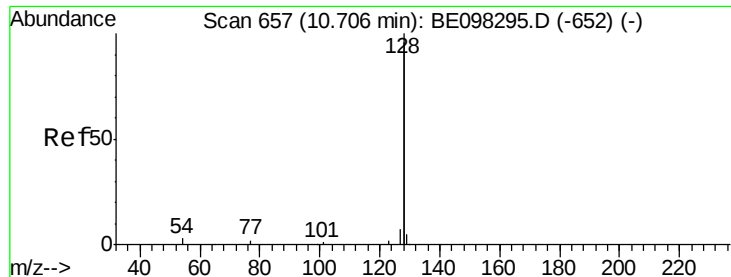


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.037 ng

RT: 10.72 min Scan# 658

Delta R.T. 0.01 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Instrument :

BNA_E

ClientSampleId :

RE-103D2-20181205

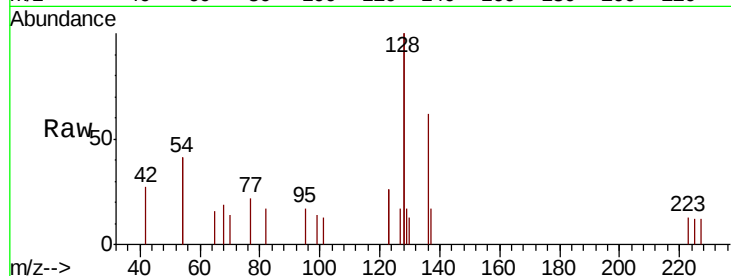
Tgt Ion:128 Resp: 1586

Ion Ratio Lower Upper

128 100

129 8.7 2.5 3.7#

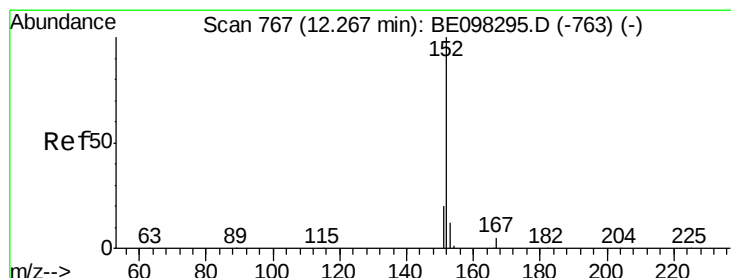
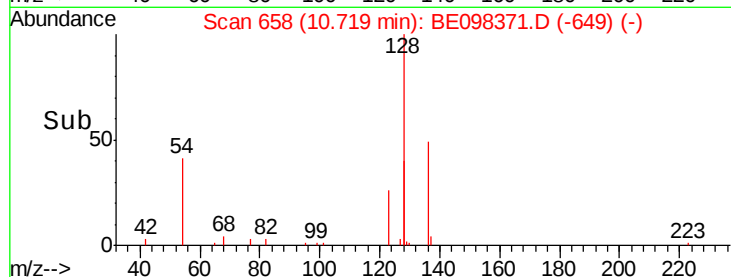
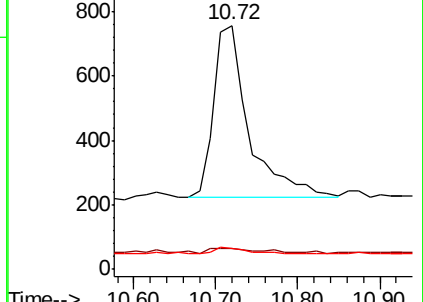
127 8.3 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.426 ng

RT: 12.27 min Scan# 767

Delta R.T. 0.00 min

Lab File: BE098371.D

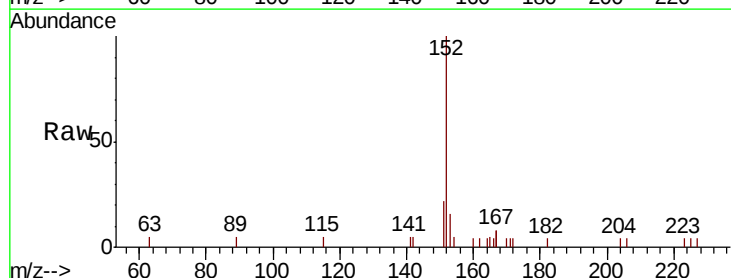
Acq: 12 Dec 2018 21:15

Tgt Ion:152 Resp: 2949

Ion Ratio Lower Upper

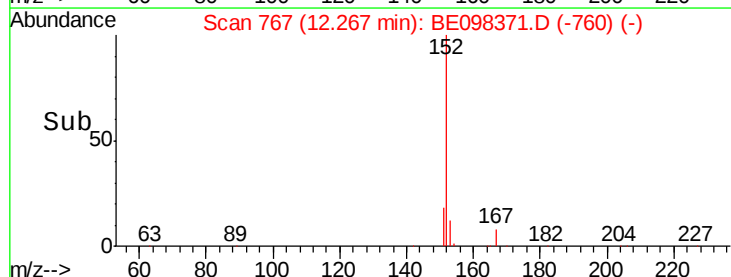
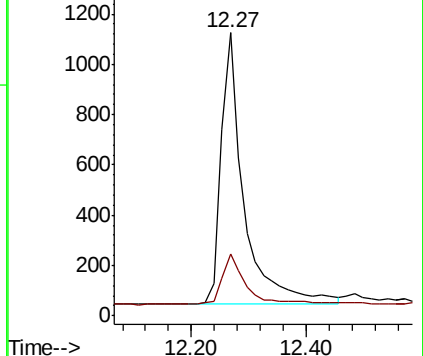
152 100

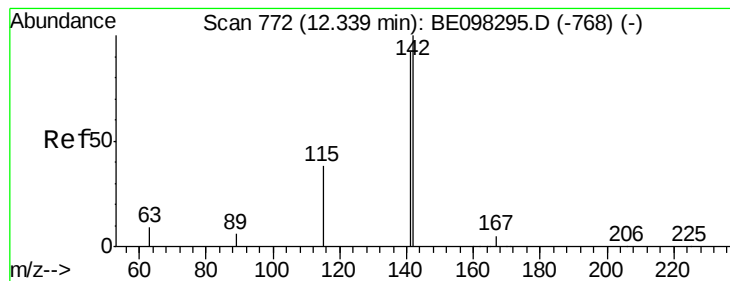
151 19.2 16.2 24.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.048 ng

RT: 12.34 min Scan# 772

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Instrument :

BNA_E

ClientSampleId :

RE-103D2-20181205

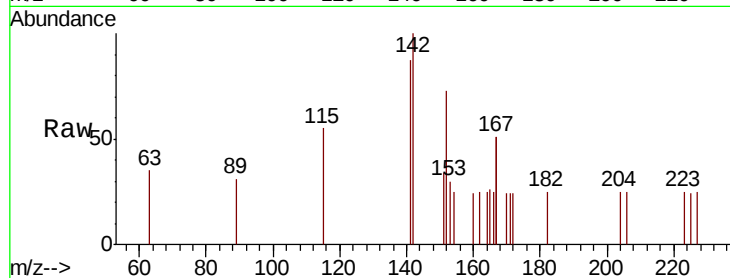
Tgt Ion:142 Resp: 335

Ion Ratio Lower Upper

142 100

141 87.4 71.0 106.6

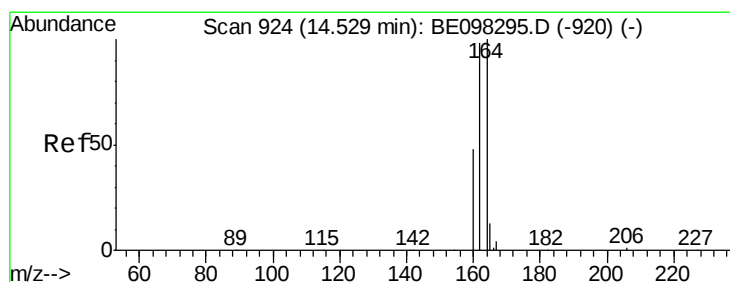
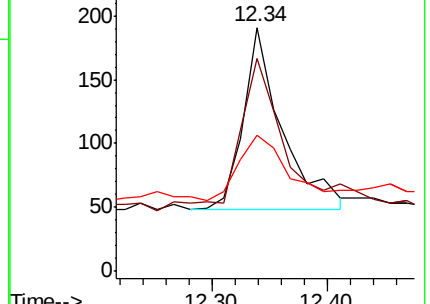
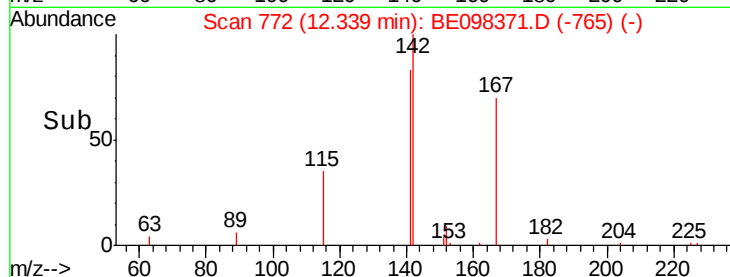
115 55.5 32.2 48.2#



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: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

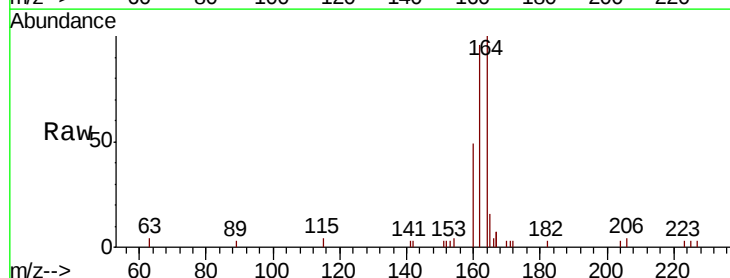
Tgt Ion:164 Resp: 2807

Ion Ratio Lower Upper

164 100

162 96.5 77.6 116.4

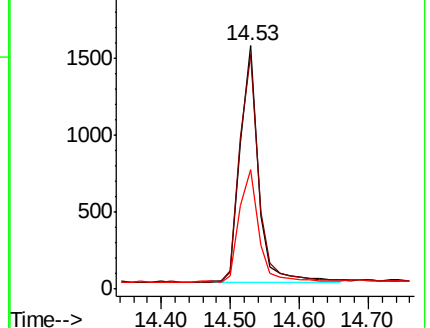
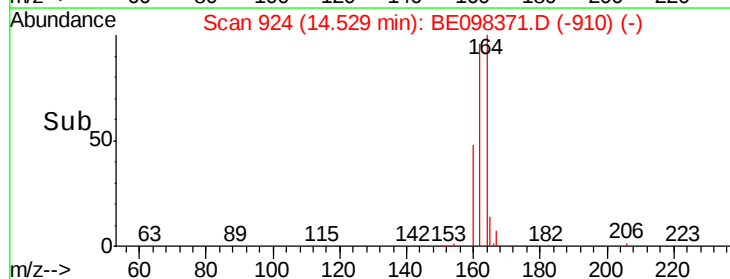
160 49.1 36.0 54.0

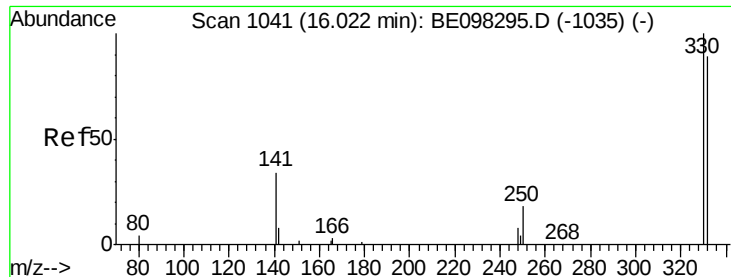


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

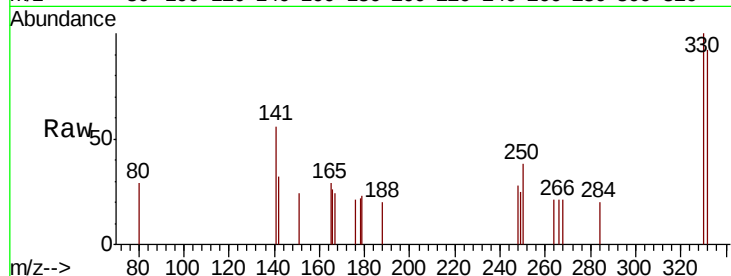




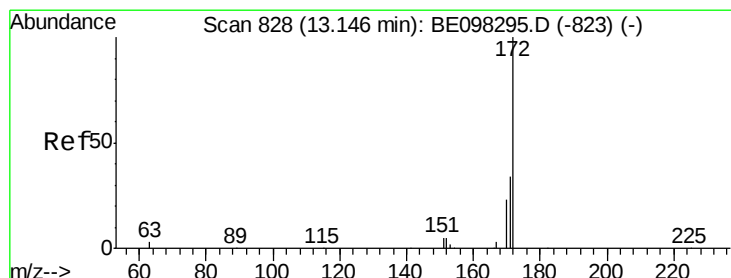
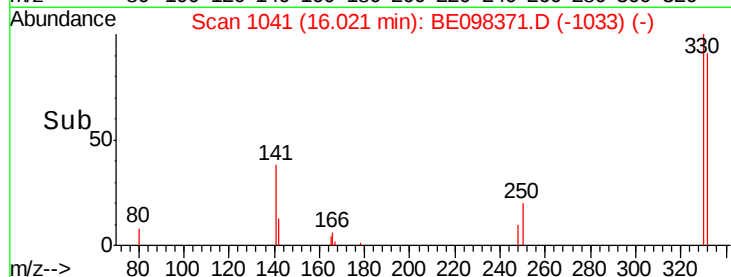
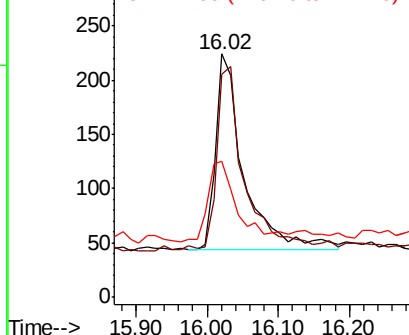
#14
 2,4,6-Tribromophenol
 Concen: 0.479 ng
 RT: 16.02 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BE098371.D
 Acq: 12 Dec 2018 21:15

Instrument :
 BNA_E
 ClientSampleId :
 RE-103D2-20181205

Tgt Ion: 330 Resp: 494
 Ion Ratio Lower Upper
 330 100
 332 89.9 76.2 114.4
 141 41.7 39.0 58.4

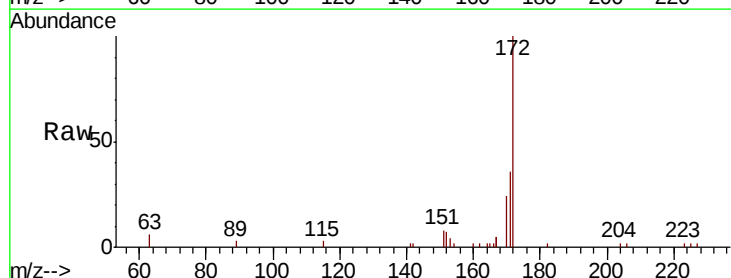


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

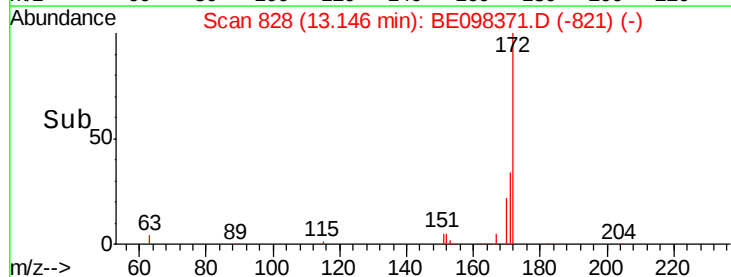
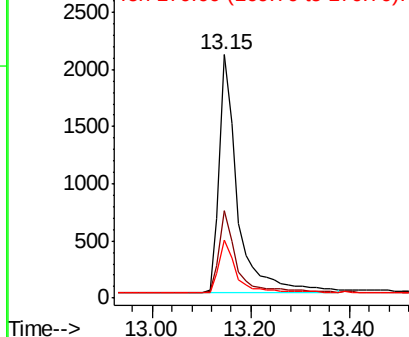


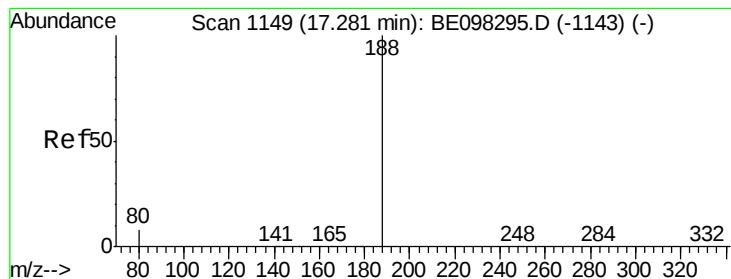
#15
 2-Fluorobiphenyl
 Concen: 0.459 ng
 RT: 13.15 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BE098371.D
 Acq: 12 Dec 2018 21:15

Tgt Ion: 172 Resp: 5429
 Ion Ratio Lower Upper
 172 100
 171 35.7 27.5 41.3
 170 23.8 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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.28 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Instrument :

BNA_E

ClientSampleId :

RE-103D2-20181205

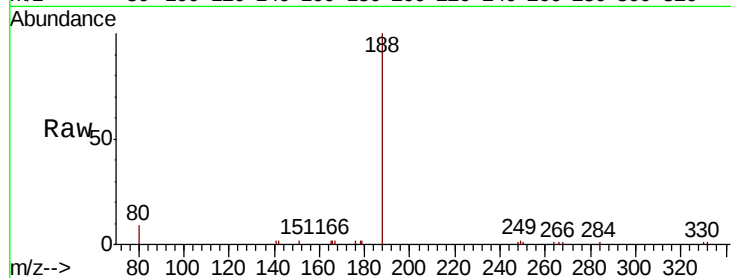
Tgt Ion:188 Resp: 7390

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

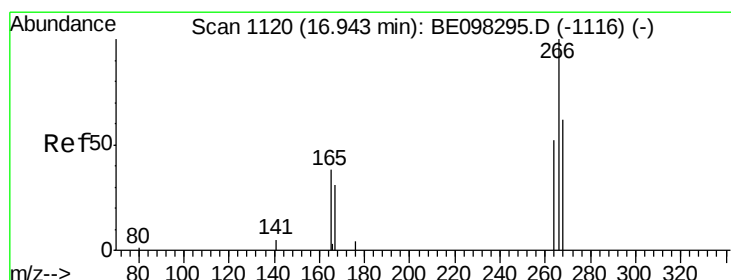
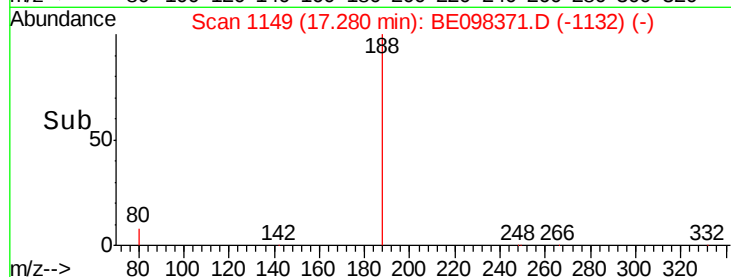
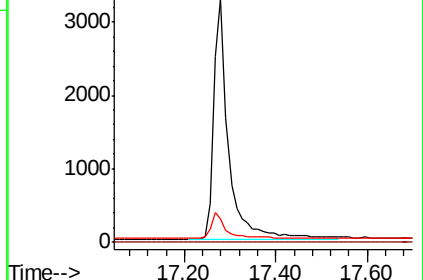
80 9.4 7.2 10.8



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



#22

Pentachlorophenol

Concen: 0.027 ng

RT: 16.94 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

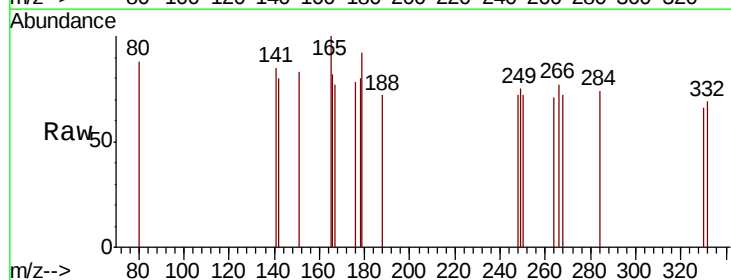
Tgt Ion:266 Resp: 7

Ion Ratio Lower Upper

266 100

264 92.0 59.0 88.4#

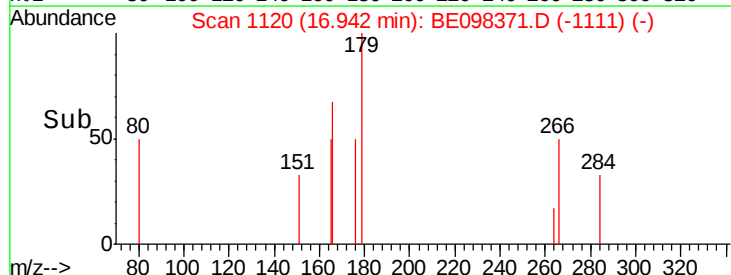
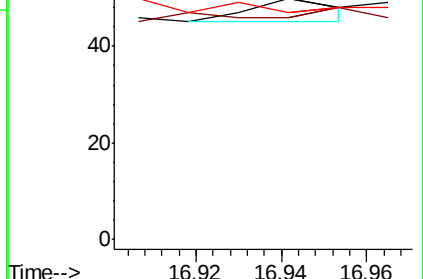
268 94.0 55.1 82.7#

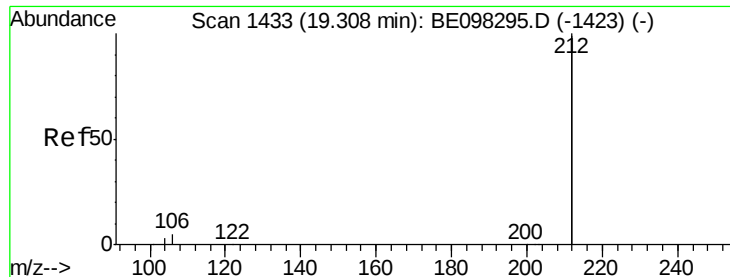


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.468 ng

RT: 19.30 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

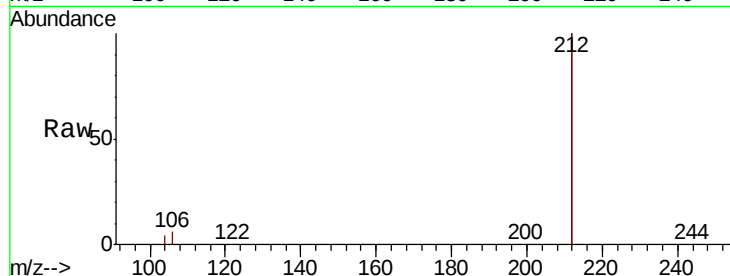
Instrument :

BNA_E

ClientSampleId :

RE-103D2-20181205

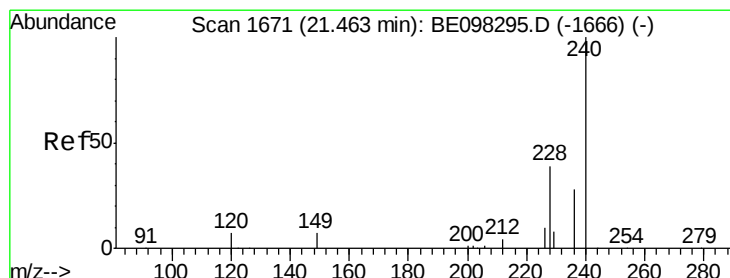
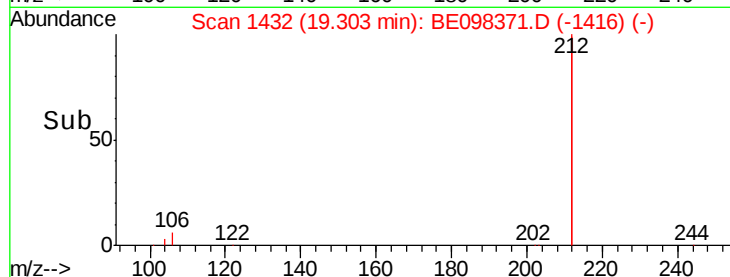
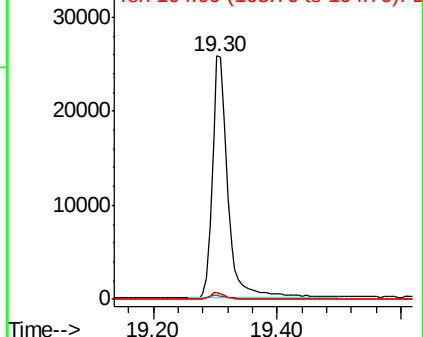
Tgt Ion:	212	Resp:	44366
Ion	Ratio	Lower	Upper
212	100		
106	2.6	2.2	3.2
104	1.5	1.3	1.9



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



#27

Chrysene-d12

Concen: 0.400 ng

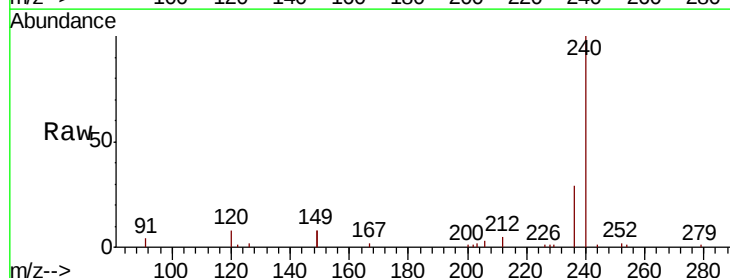
RT: 21.46 min Scan# 1671

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

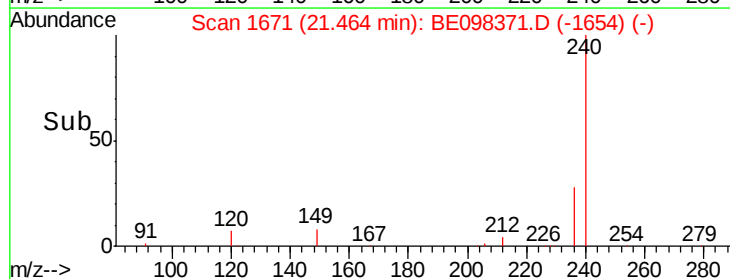
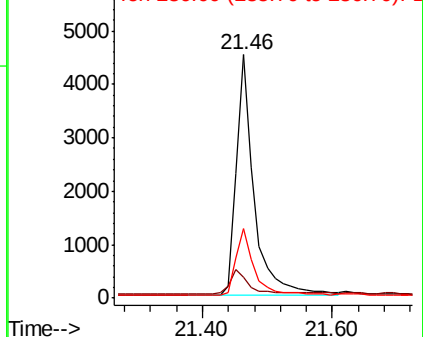
Tgt Ion:	240	Resp:	8707
Ion	Ratio	Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	28.6	22.7	34.1

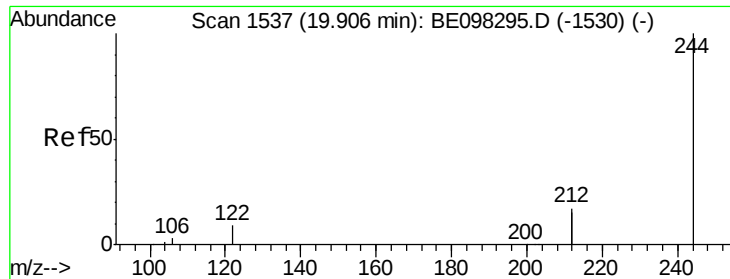


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.400 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

Instrument :

BNA_E

ClientSampleId :

RE-103D2-20181205

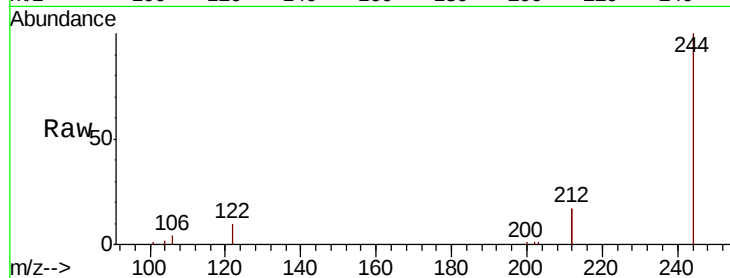
Tgt Ion:244 Resp: 8458

Ion Ratio Lower Upper

244 100

212 34.9 27.4 41.0

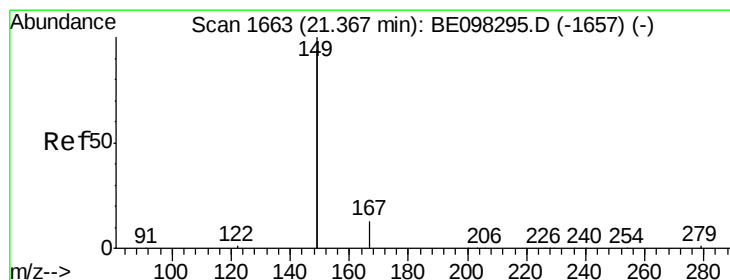
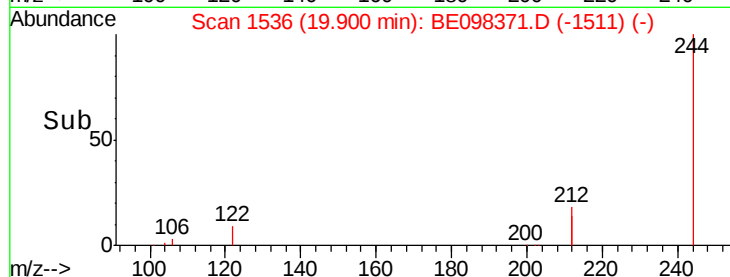
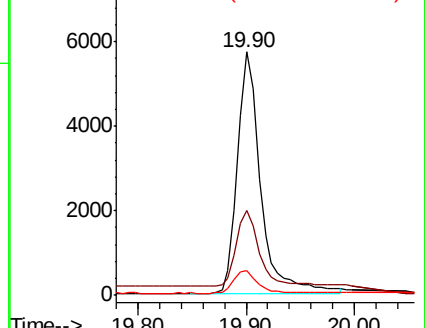
122 10.2 8.3 12.5



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: 0.046 ng

RT: 21.37 min Scan# 1663

Delta R.T. 0.00 min

Lab File: BE098371.D

Acq: 12 Dec 2018 21:15

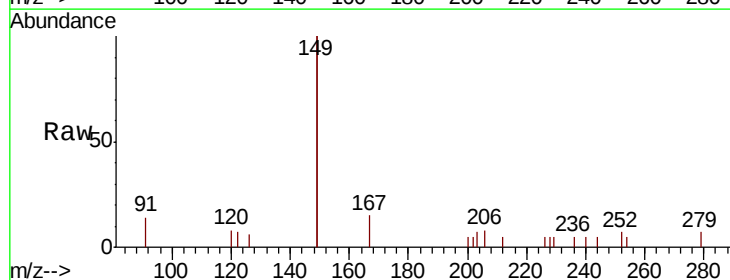
Tgt Ion:149 Resp: 2338

Ion Ratio Lower Upper

149 100

167 7.4 5.7 8.5

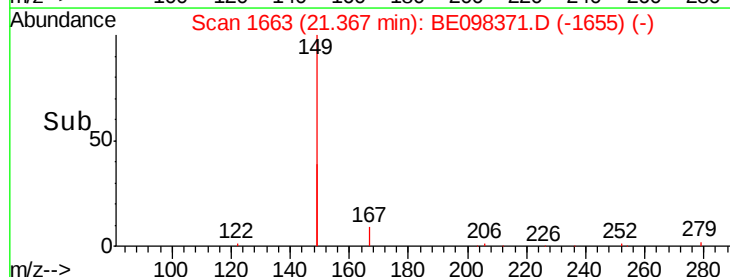
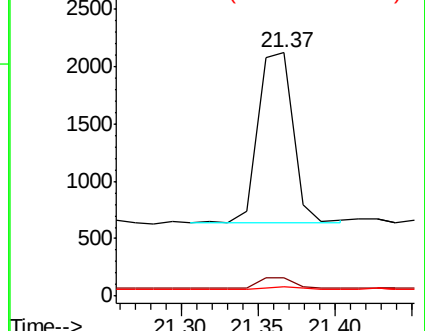
279 2.3 1.0 1.4#

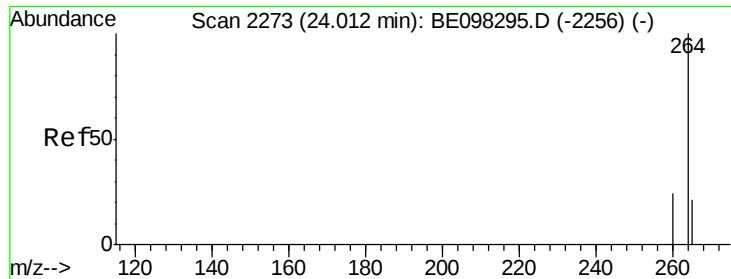


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.01 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BE098371.D
Acq: 12 Dec 2018 21:15

Instrument :
BNA_E
ClientSampleId :
RE-103D2-20181205

Tgt Ion: 264 Resp: 8273
Ion Ratio Lower Upper
264 100
260 26.2 20.2 30.2
265 28.5 25.2 37.8

