

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030719\
 Data File : BE098814.D
 Acq On : 7 Mar 2019 11:21
 Operator : JU/SJ
 Sample : PB117620BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB117620BSD

Quant Time: Mar 07 12:50:56 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	7.78	152	887	0.40	ng	0.00
7) Naphthalene-d8	10.59	136	3731	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	2482	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	6533	0.40	ng	0.00
27) Chrysene-d12	21.40	240	8316	0.40	ng	0.00
34) Perylene-d12	23.90	264	8266	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1003	0.38	ng	0.00
5) Phenol-d6	6.98	99	1298	0.35	ng	0.00
8) Nitrobenzene-d5	8.96	82	1370	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	2773	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	455	0.36	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	4080	0.40	ng	0.00
25) Fluoranthene-d10	19.25	212	38115	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	7764	0.38	ng	0.00

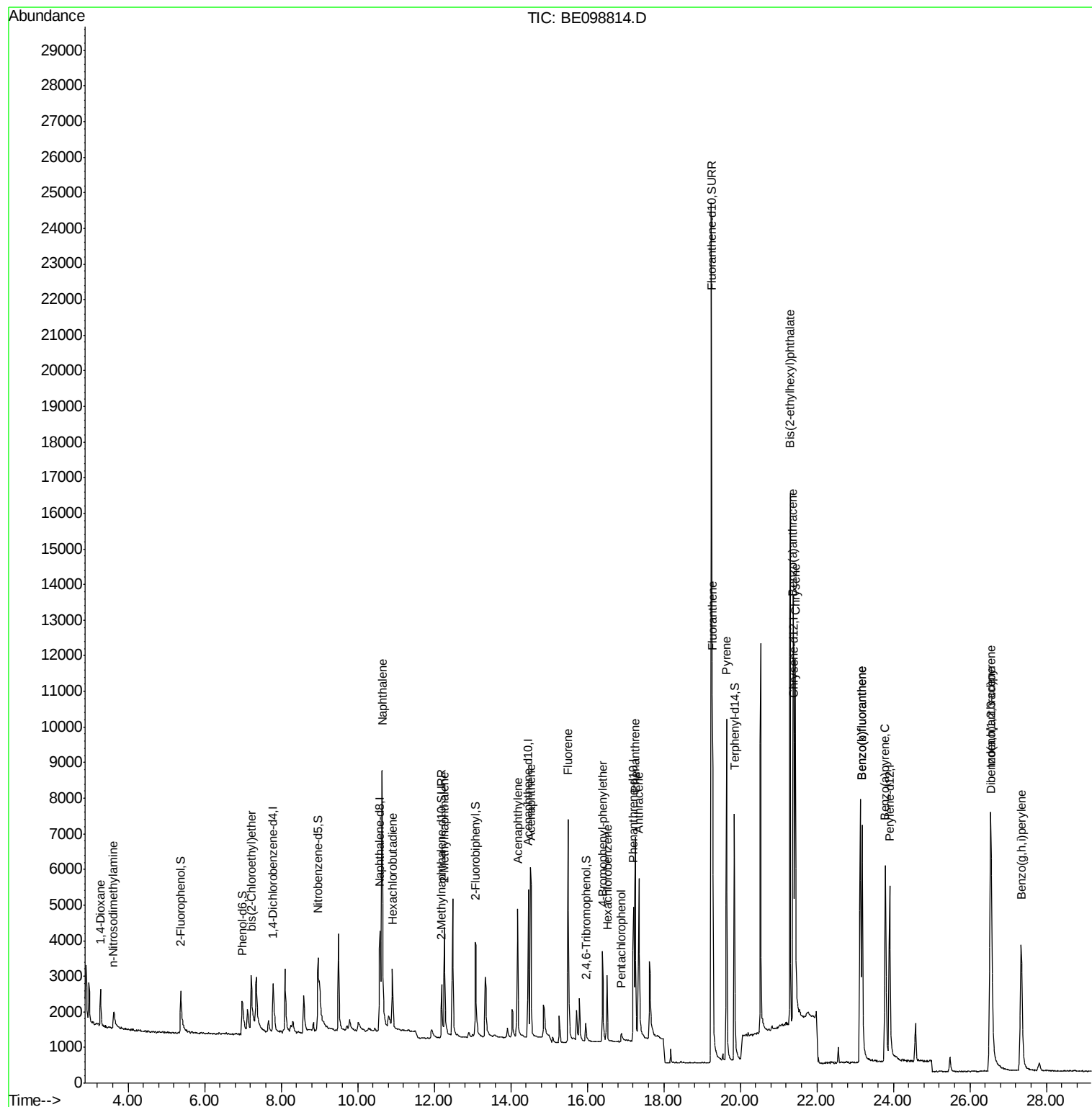
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	629	0.356	ng	95
3) n-Nitrosodimethylamine	3.61	42	714	0.320	ng	# 99
6) bis(2-Chloroethyl)ether	7.22	93	1020	0.353	ng	# 89
9) Naphthalene	10.64	128	17208	0.403	ng	99
10) Hexachlorobutadiene	10.91	225	1137	0.402	ng	98
12) 2-Methylnaphthalene	12.27	142	2689	0.388	ng	99
16) Acenaphthylene	14.18	152	4957	0.388	ng	97
17) Acenaphthene	14.53	154	2984	0.394	ng	98
18) Fluorene	15.50	166	4114	0.377	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	1313	0.371	ng	97
21) Hexachlorobenzene	16.52	284	1595	0.379	ng	98
22) Pentachlorophenol	16.89	266	245	0.435	ng	97
23) Phenanthrene	17.25	178	6908	0.372	ng	100
24) Anthracene	17.35	178	5623	0.354	ng	98
26) Fluoranthene	19.28	202	9614	0.367	ng	100
28) Pyrene	19.64	202	10139	0.399	ng	99
30) Benzo(a)anthracene	21.38	228	10184	0.392	ng	98
31) Chrysene	21.44	228	10656	0.384	ng	99
32) Bis(2-ethylhexyl)phthalate	21.31	149	18494	0.335	ng	99
33) Indeno(1,2,3-cd)pyrene	26.54	276	12317	0.420	ng	98
35) Benzo(b)fluoranthene	23.18	252	11273	0.415	ng	97
36) Benzo(k)fluoranthene	23.18	252	11499	0.404	ng	99
37) Benzo(a)pyrene	23.79	252	10596	0.407	ng	# 95
38) Dibenzo(a,h)anthracene	26.56	278	9515	0.386	ng	# 93
39) Benzo(g,h,i)perylene	27.35	276	10168	0.394	ng	98

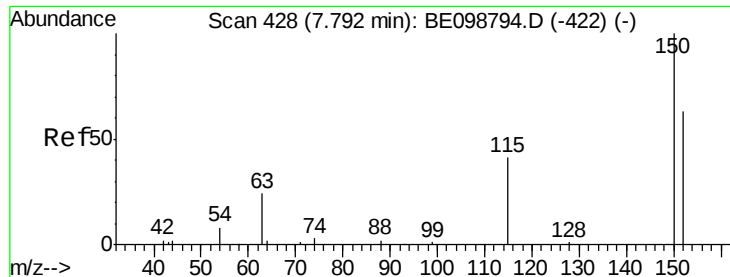
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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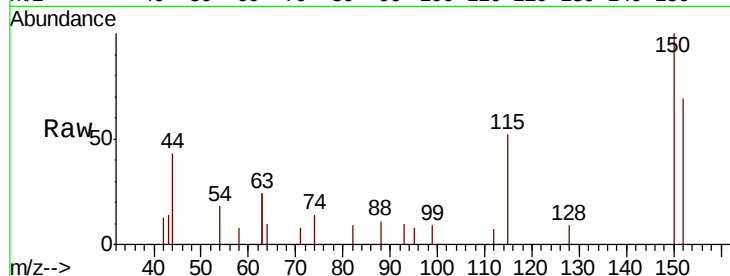


#1

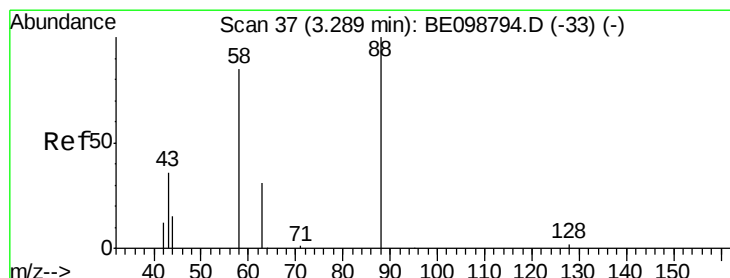
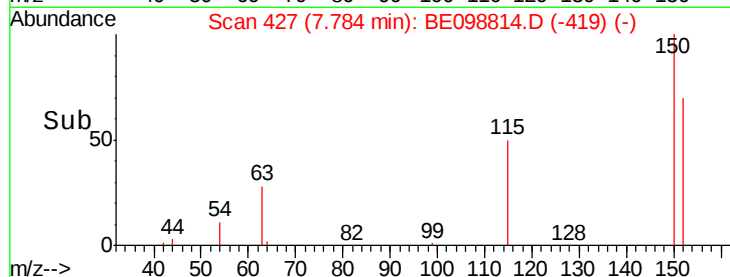
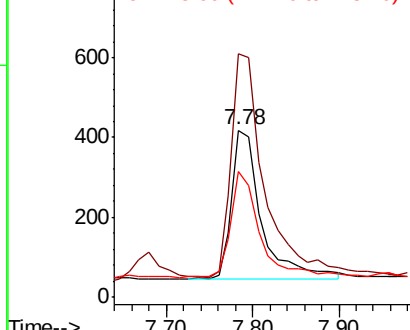
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Instrument :
BNA_E
ClientSampleId :
PB117620BSD

Tot Ion:152 Resp: 887
Ion Ratio Lower Upper
152 100
150 145.7 122.5 183.7
115 75.6 57.4 86.2



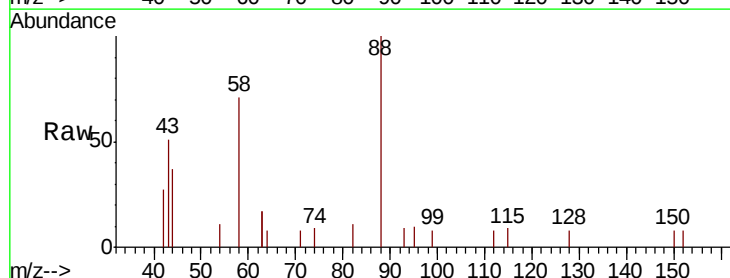
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



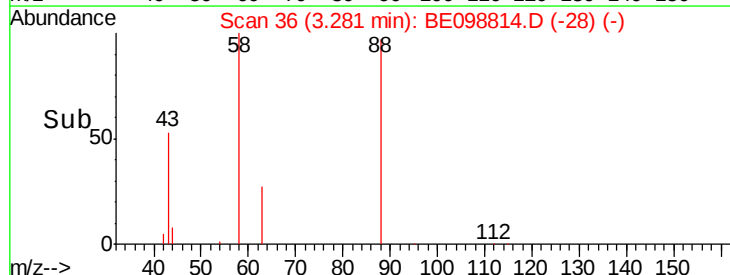
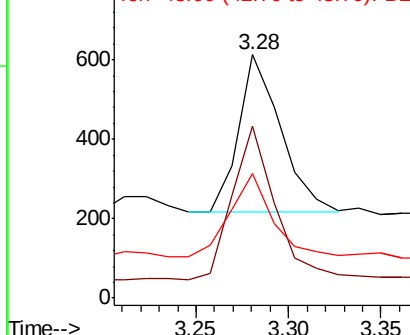
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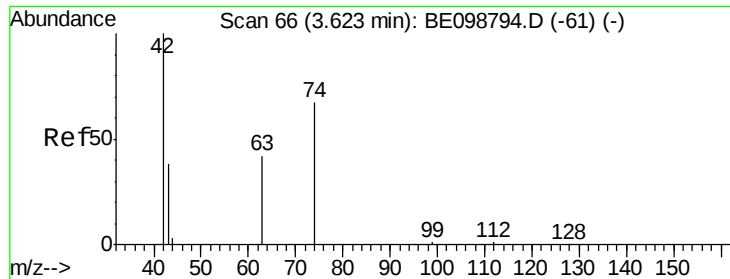
1,4-Dioxane
Concen: 0.356 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Tgt Ion: 88 Resp: 629
Ion Ratio Lower Upper
88 100
58 101.0 75.8 113.6
43 53.9 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



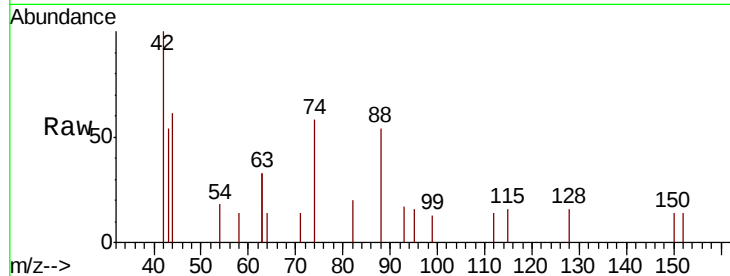


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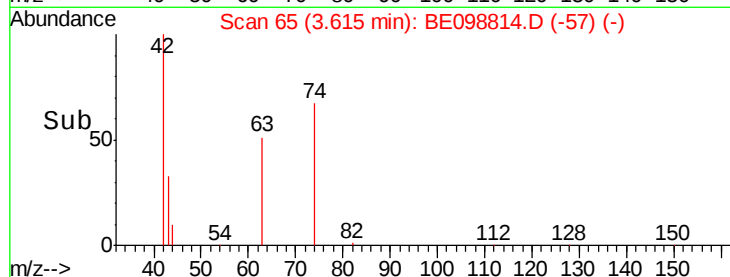
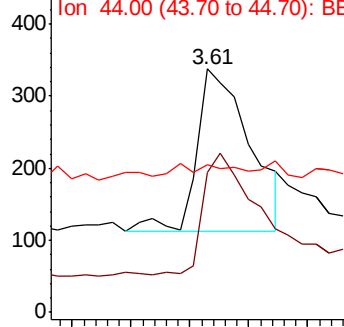
n-Nitrosodimethylamine
 Concen: 0.320 ng
 RT: 3.61 min Scan# 65
 Delta R.T. -0.01 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

Instrument :
 BNA_E
 ClientSampleId :
 PB117620BSD

Tot Ion: 42 Resp: 714
 Ion Ratio Lower Upper
 42 100
 74 70.0 57.0 85.4
 44 0.0 0.0 0.0



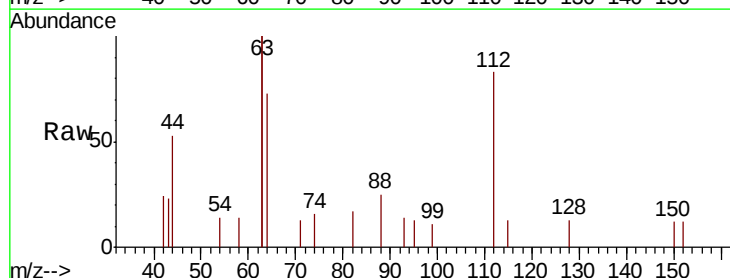
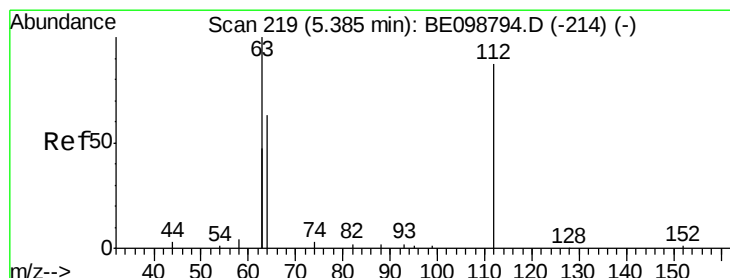
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



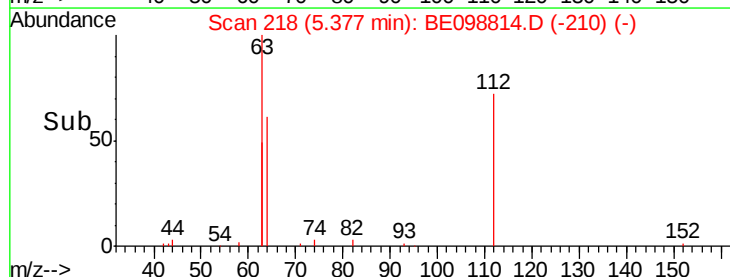
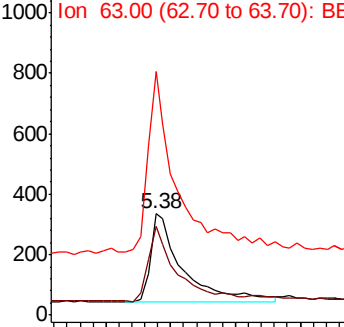
#4

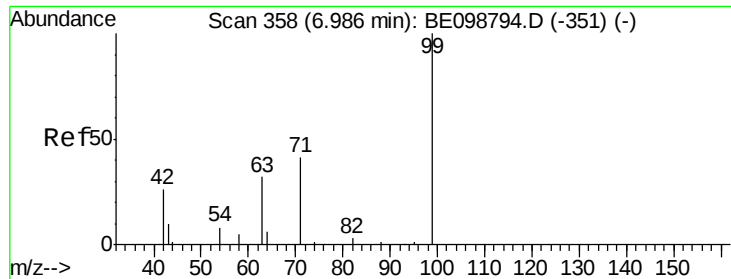
2-Fluorophenol
 Concen: 0.378 ng
 RT: 5.38 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

Tgt Ion: 112 Resp: 1003
 Ion Ratio Lower Upper
 112 100
 64 74.2 57.9 86.9
 63 191.9 158.3 237.5



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: 0.347 ng

RT: 6.98 min Scan# 357

Delta R.T. -0.01 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

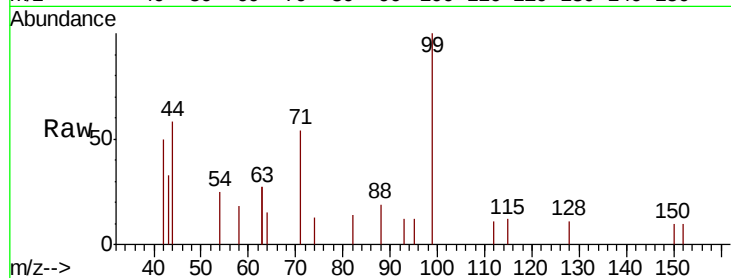
Tot Ion: 99 Resp: 1298

Ion Ratio Lower Upper

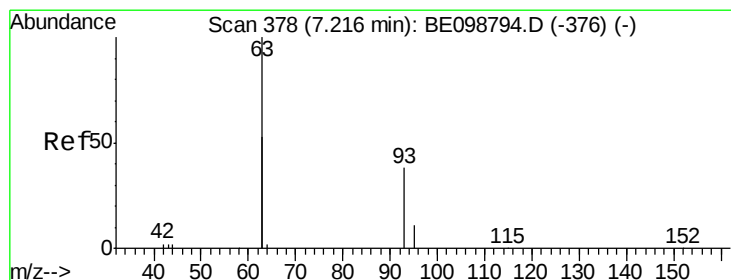
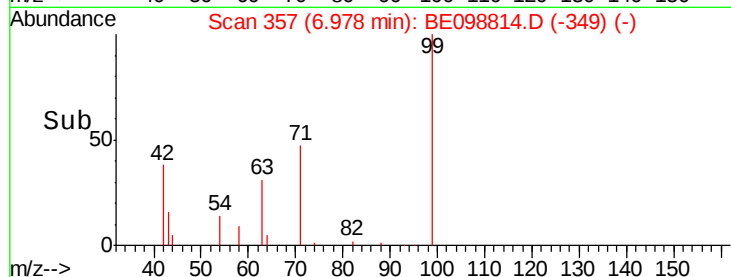
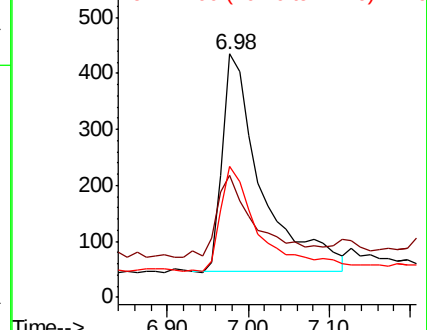
99 100

42 39.4 24.2 36.2#

71 49.0 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: 0.353 ng

RT: 7.22 min Scan# 378

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

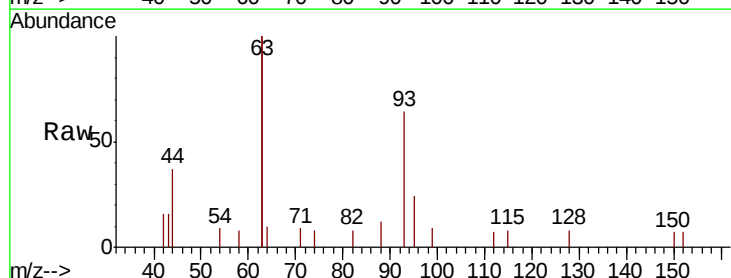
Tgt Ion: 93 Resp: 1020

Ion Ratio Lower Upper

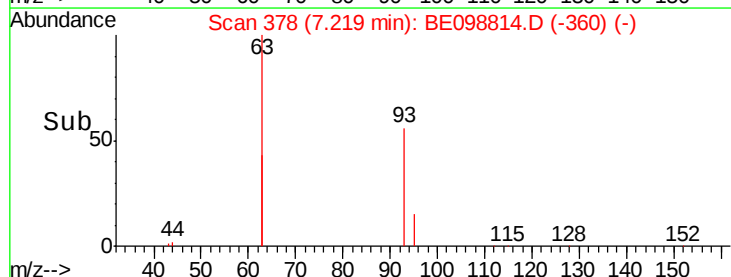
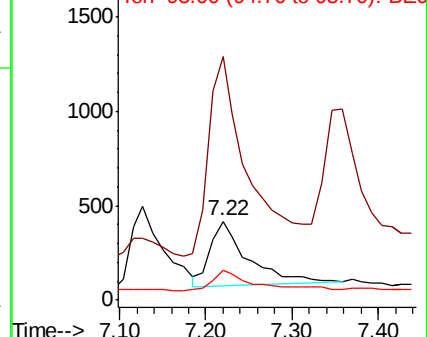
93 100

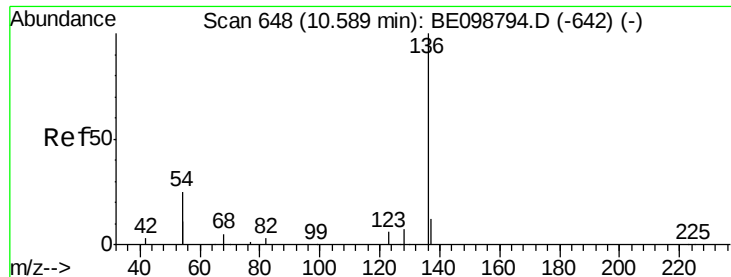
63 332.0 247.5 371.3

95 34.4 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: 10.59 min Scan# 648

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

Tot Ion:136 Resp: 3731

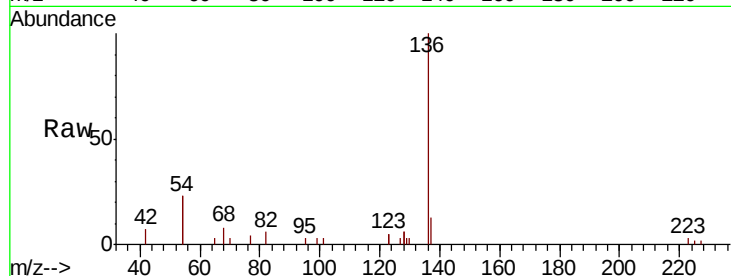
Ion Ratio Lower Upper

136 100

137 12.7 11.4 17.0

54 46.1 39.3 58.9

68 7.5 6.7 10.1

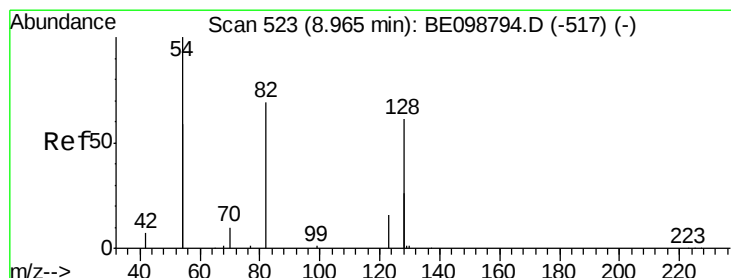
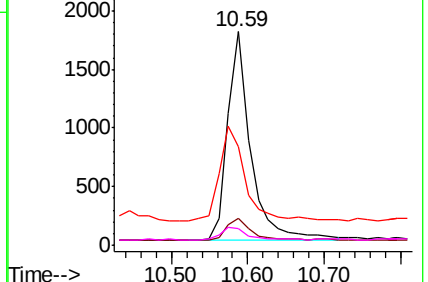
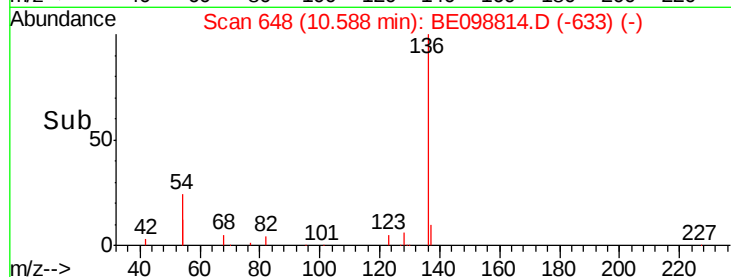


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.350 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

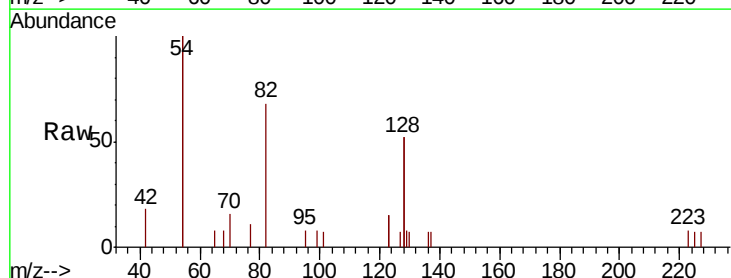
Tgt Ion: 82 Resp: 1370

Ion Ratio Lower Upper

82 100

128 152.3 123.8 185.8

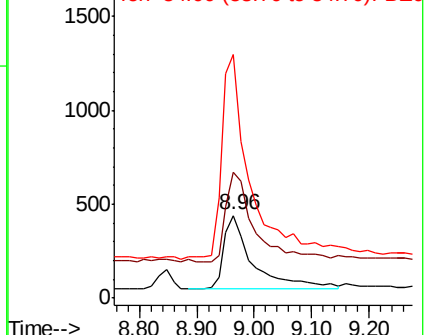
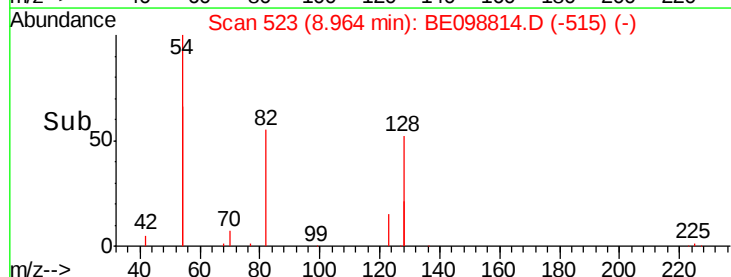
54 295.0 203.4 305.2

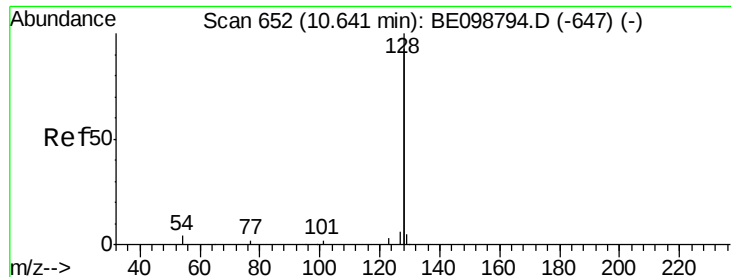


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.403 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

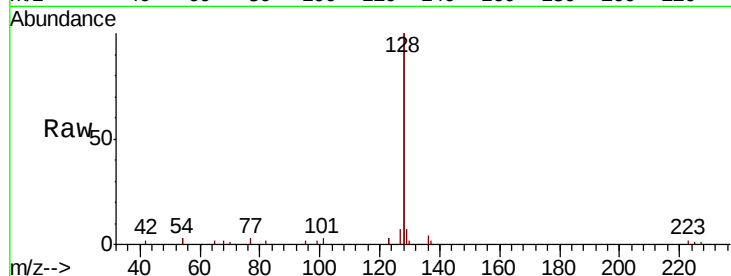
Tot Ion:128 Resp: 17208

Ion Ratio Lower Upper

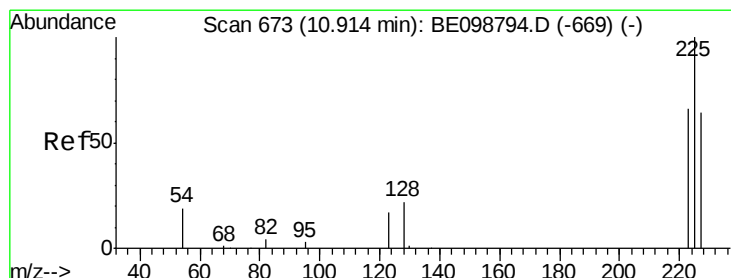
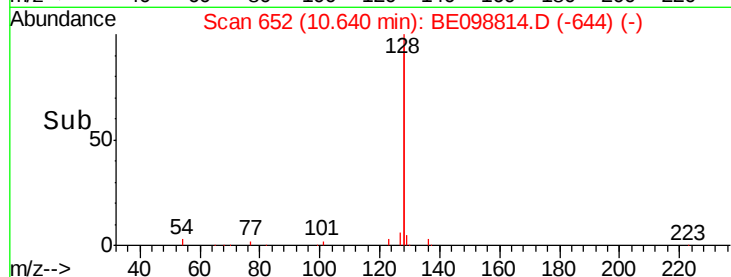
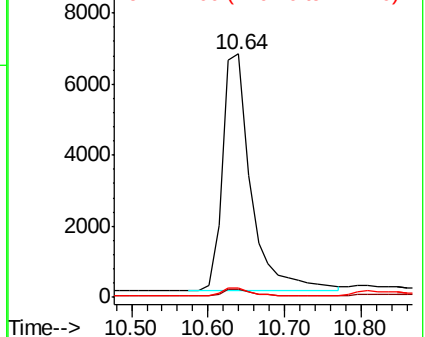
128 100

129 3.4 2.6 4.0

127 3.6 3.1 4.7



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



#10

Hexachlorobutadiene

Concen: 0.402 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

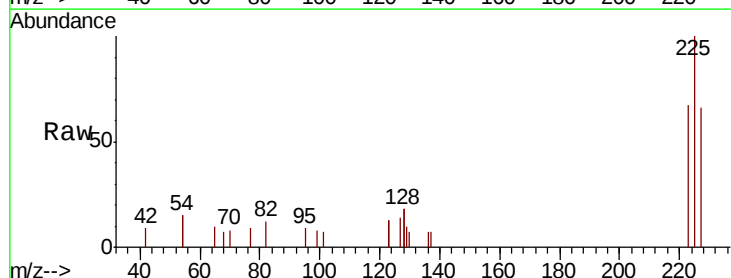
Tgt Ion:225 Resp: 1137

Ion Ratio Lower Upper

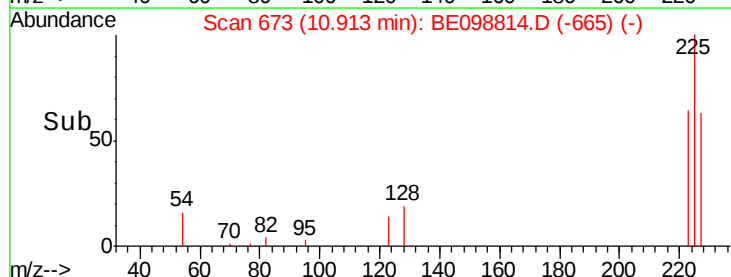
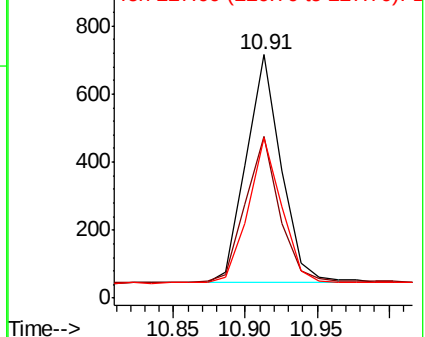
225 100

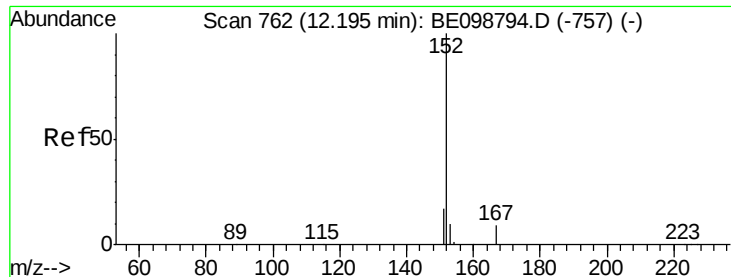
223 62.5 51.1 76.7

227 62.4 51.6 77.4



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

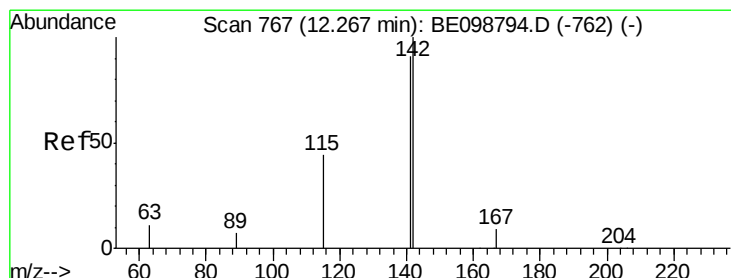
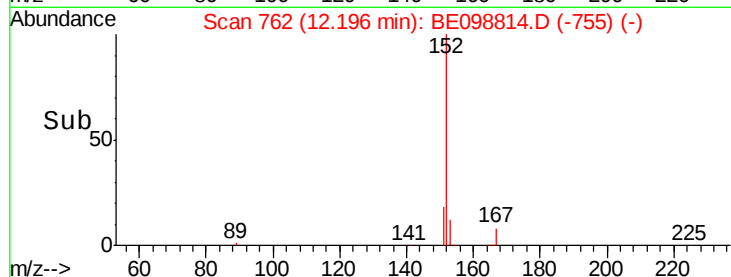
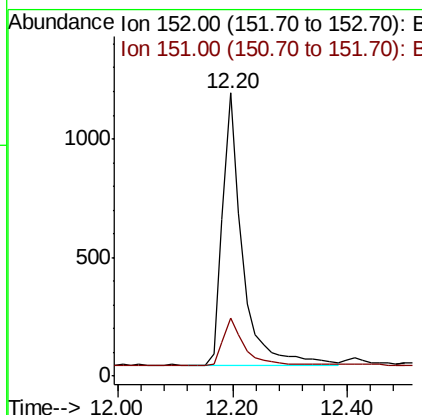
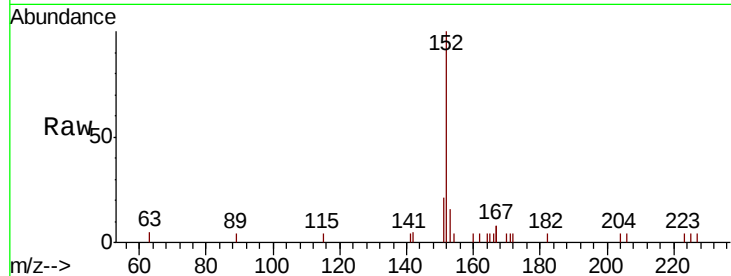




#11
 2-Methylnaphthalene-d10
 Concen: 0.402 ng
 RT: 12.20 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

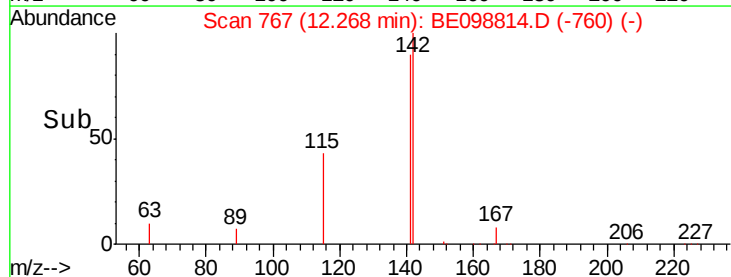
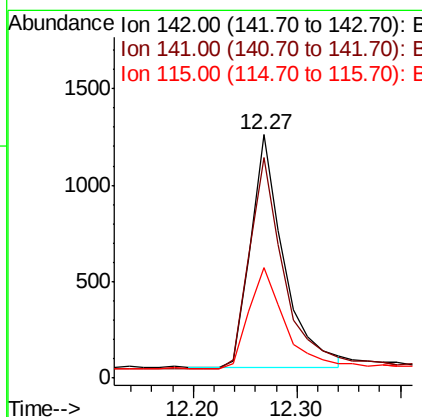
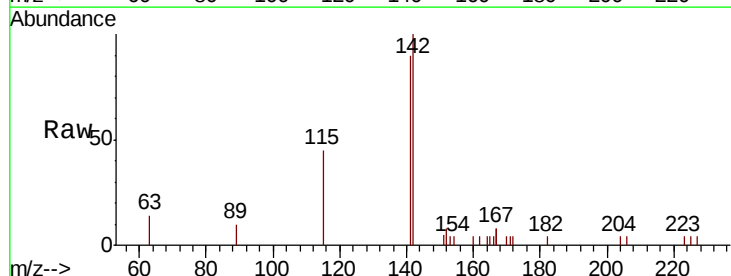
Instrument :
 BNA_E
 ClientSampleId :
 PB117620BSD

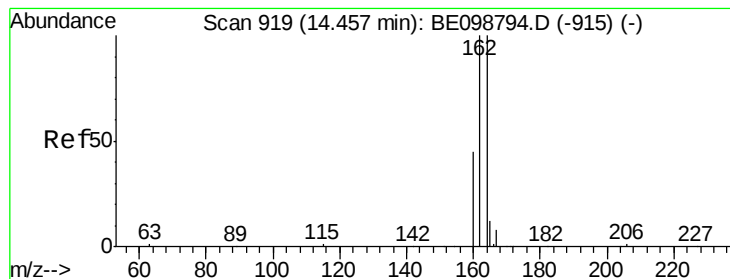
Tot Ion:152 Resp: 2773
 Ion Ratio Lower Upper
 152 100
 151 18.9 16.5 24.7



#12
 2-Methylnaphthalene
 Concen: 0.388 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

Tgt Ion:142 Resp: 2689
 Ion Ratio Lower Upper
 142 100
 141 90.4 72.6 108.8
 115 45.2 37.4 56.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

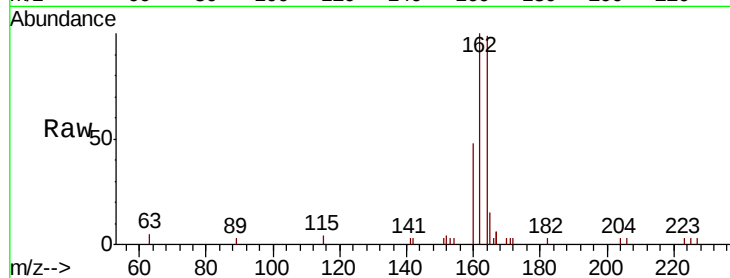
Tot Ion:164 Resp: 2482

Ion Ratio Lower Upper

164 100

162 100.8 80.2 120.2

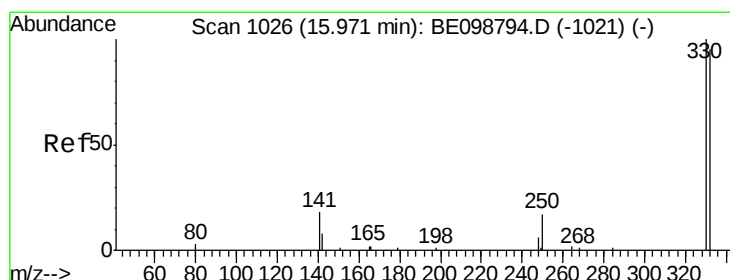
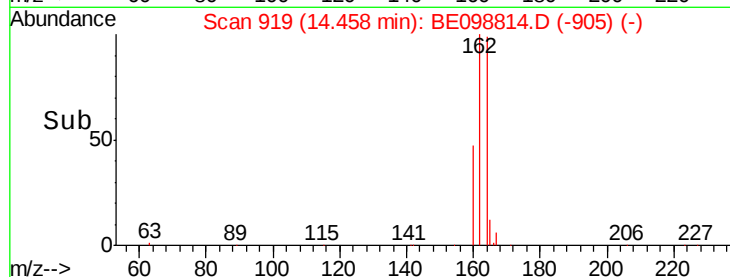
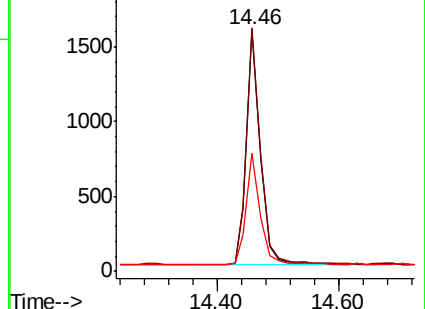
160 48.7 37.8 56.8



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: 0.363 ng

RT: 15.97 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

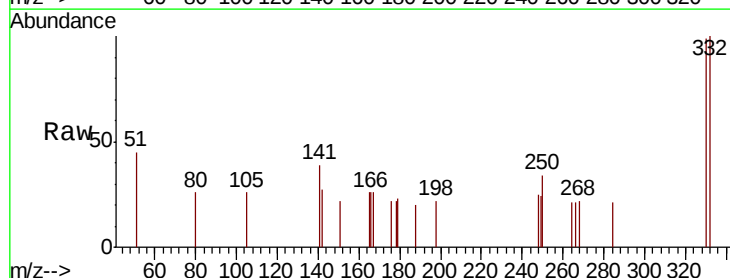
Tgt Ion:330 Resp: 455

Ion Ratio Lower Upper

330 100

332 91.9 77.6 116.4

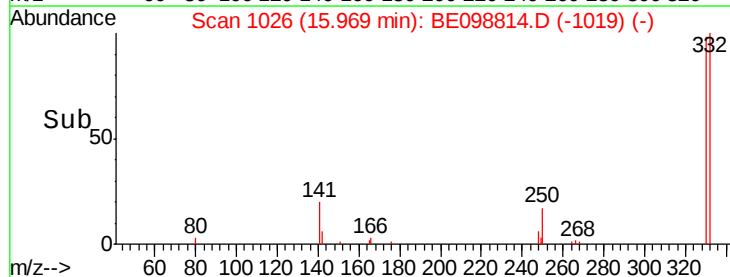
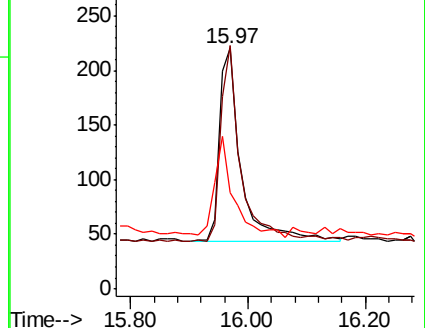
141 47.3 31.0 46.4#

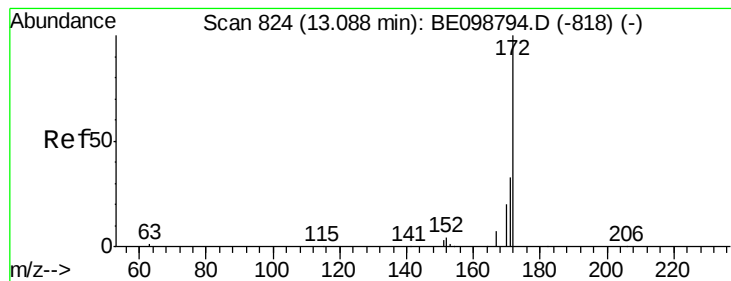


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

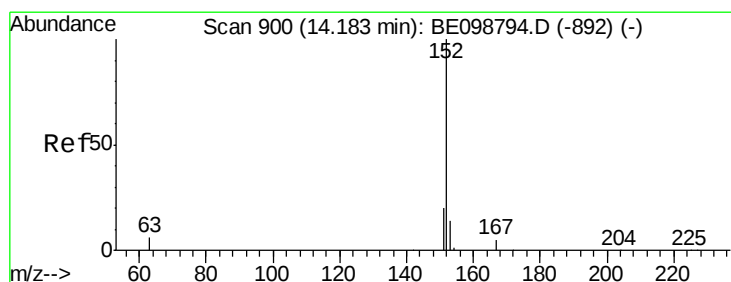
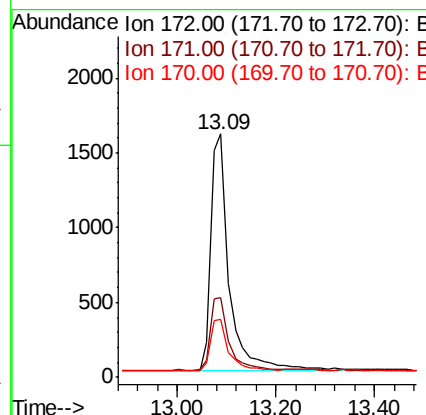
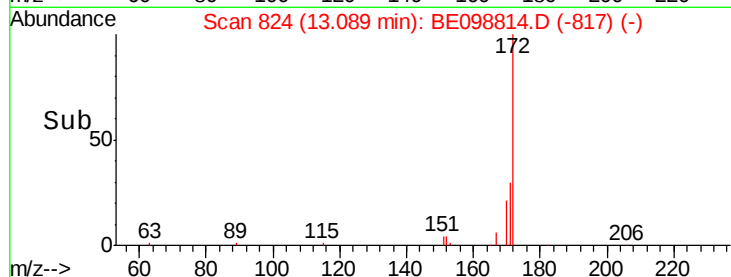
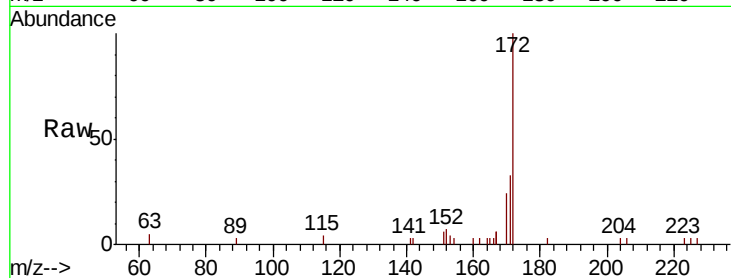




#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

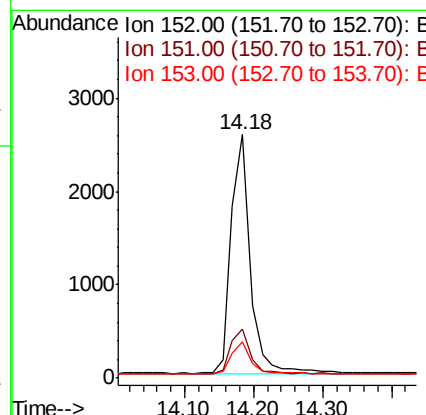
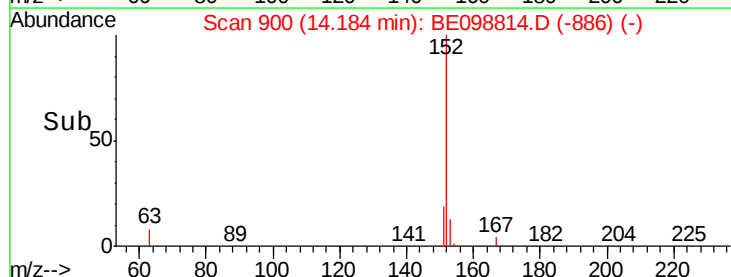
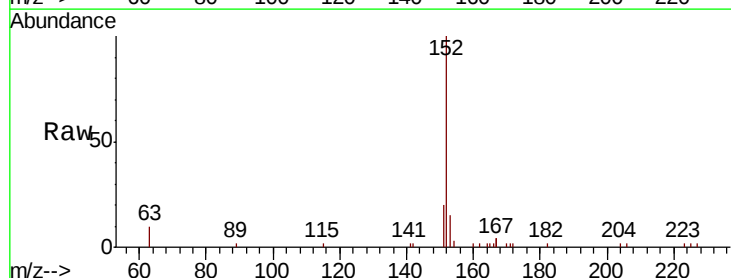
Instrument :
BNA_E
ClientSampleId :
PB117620BSD

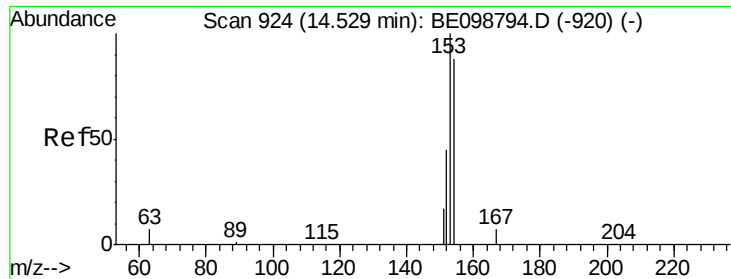
Tot Ion:172 Resp: 4080
Ion Ratio Lower Upper
172 100
171 32.5 28.0 42.0
170 23.6 17.7 26.5



#16
Acenaphthylene
Concen: 0.388 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Tgt Ion:152 Resp: 4957
Ion Ratio Lower Upper
152 100
151 19.7 17.0 25.6
153 13.4 11.2 16.8

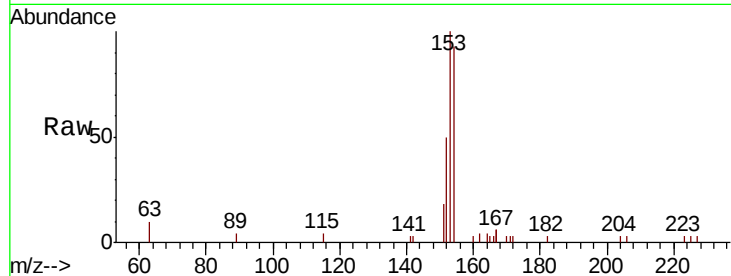




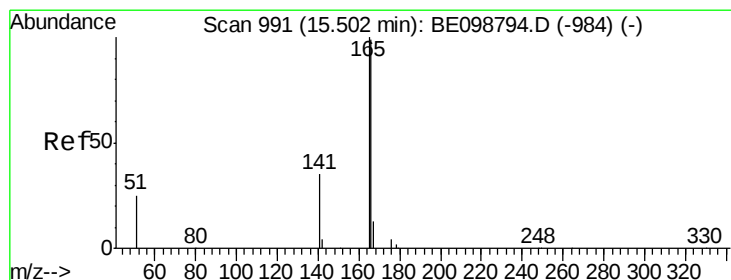
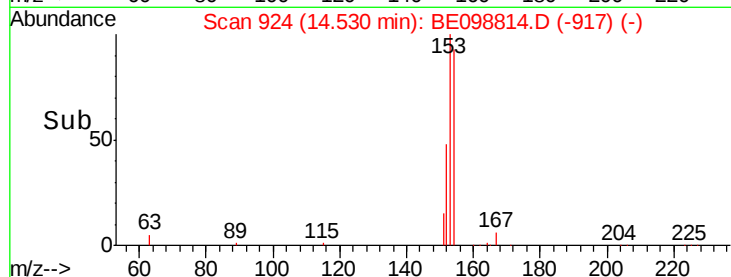
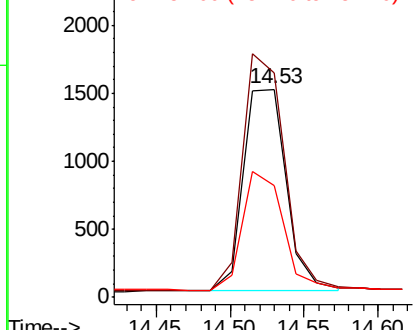
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Instrument :
BNA_E
ClientSampleId :
PB117620BSD

Tot Ion:154 Resp: 2984
Ion Ratio Lower Upper
154 100
153 114.8 94.2 141.4
152 55.9 45.0 67.4

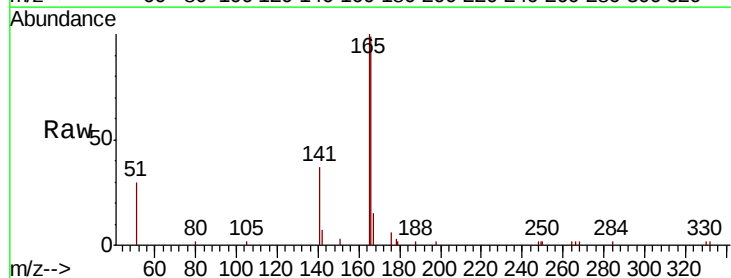


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

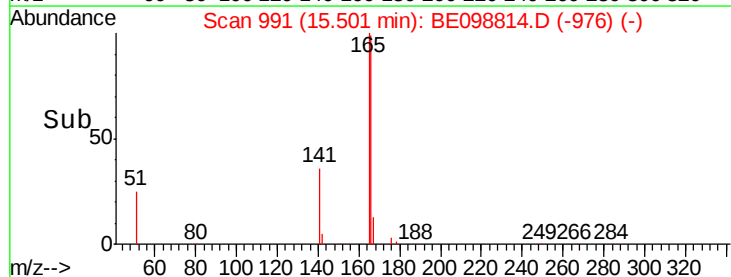
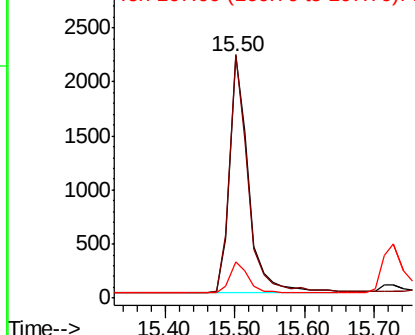


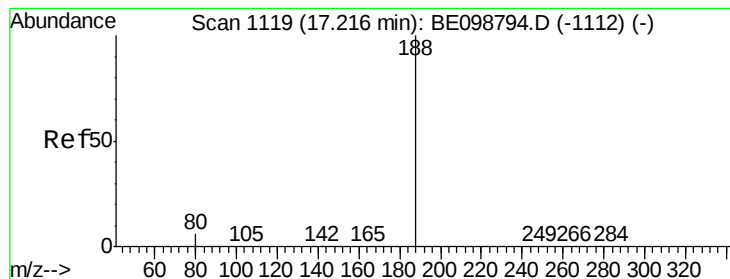
#18
Fluorene
Concen: 0.377 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.00 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Tgt Ion:166 Resp: 4114
Ion Ratio Lower Upper
166 100
165 100.1 79.3 118.9
167 13.4 10.5 15.7



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

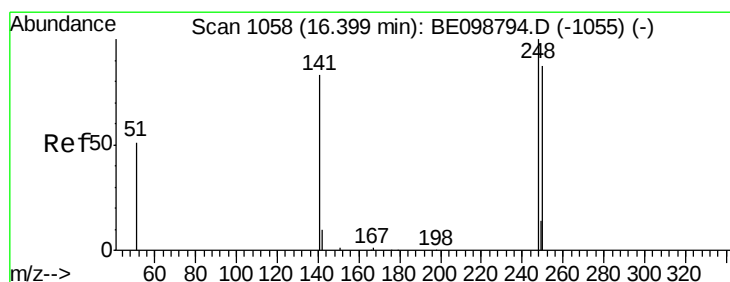
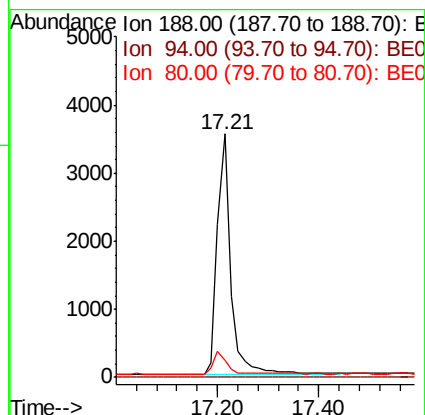
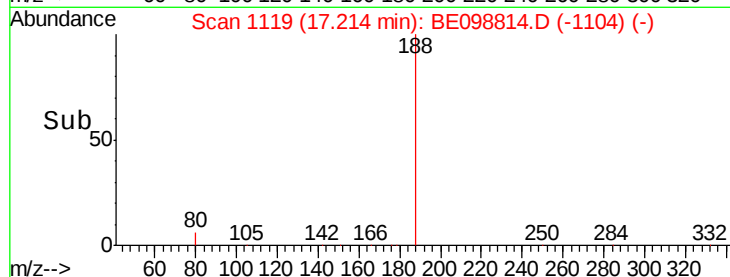
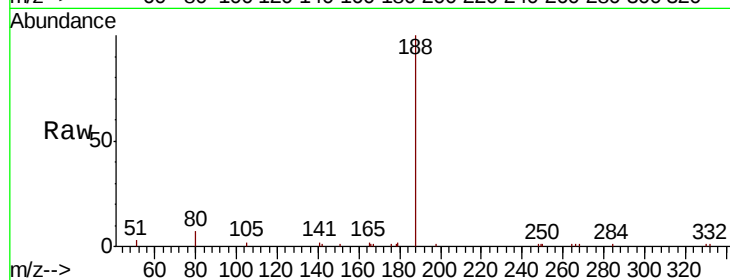
Tot Ion:188 Resp: 6533

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.1 6.3 9.5



#20

4-Bromophenyl-phenylether

Concen: 0.371 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

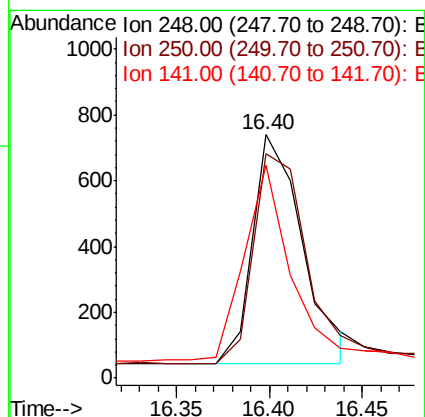
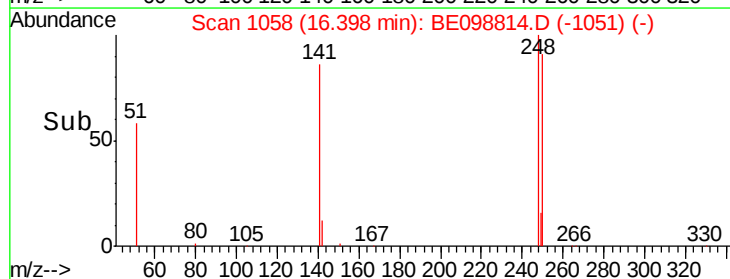
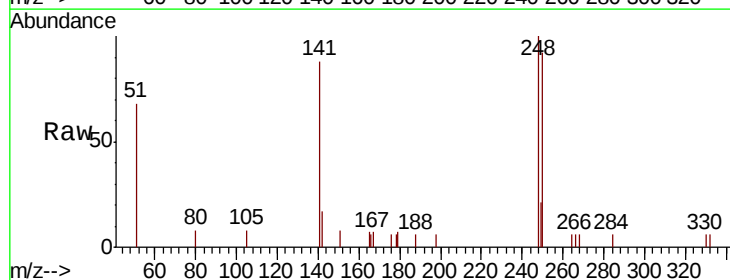
Tgt Ion:248 Resp: 1313

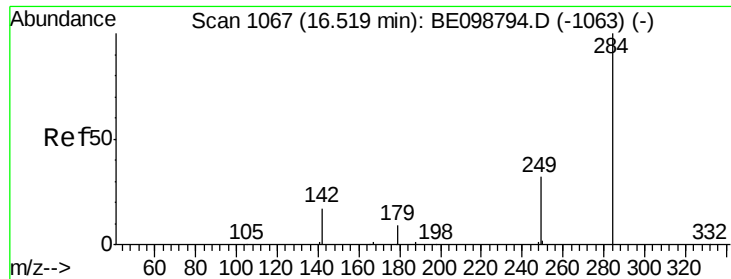
Ion Ratio Lower Upper

248 100

250 92.0 70.6 105.8

141 87.6 68.6 102.8

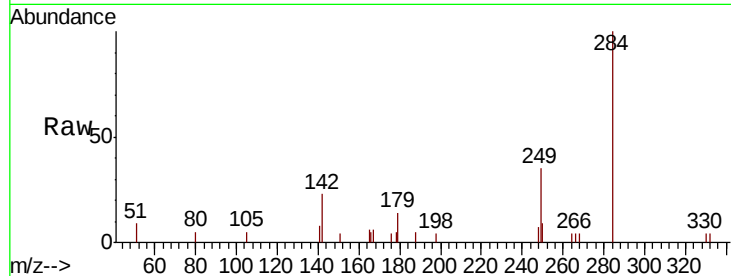




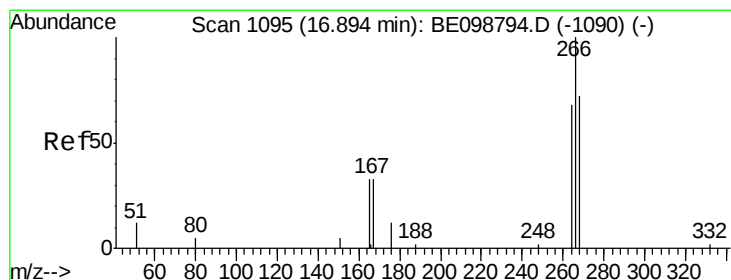
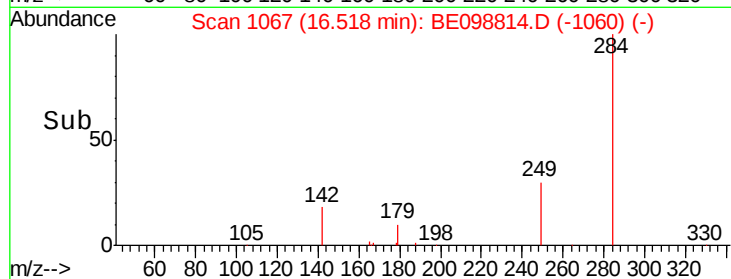
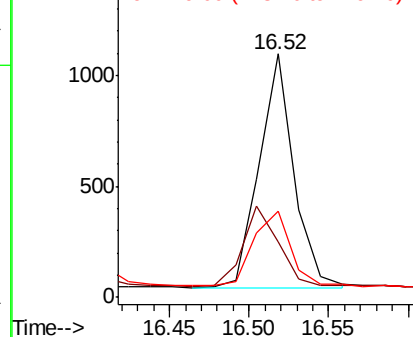
#21
Hexachlorobenzene
Concen: 0.379 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Instrument :
BNA_E
ClientSampleId :
PB117620BSD

Tot Ion:284 Resp: 1595
Ion Ratio Lower Upper
284 100
142 35.4 28.7 43.1
249 34.9 29.6 44.4

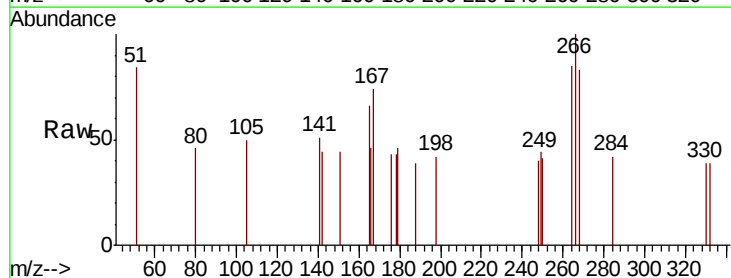


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

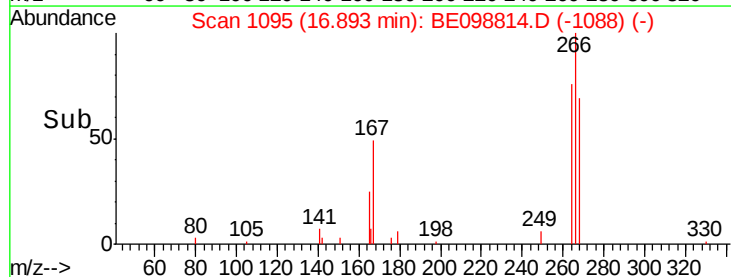
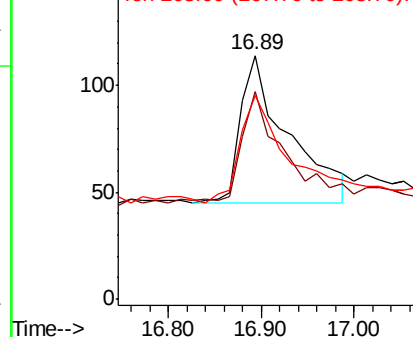


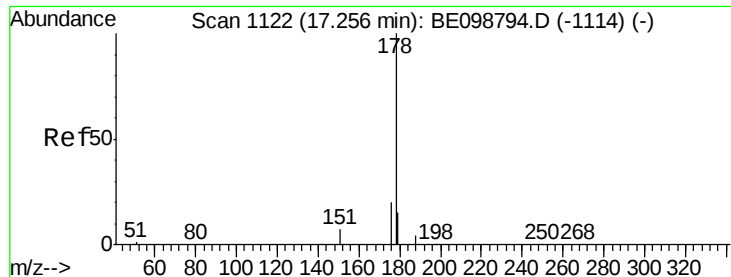
#22
Pentachlorophenol
Concen: 0.435 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098814.D
Acq: 7 Mar 2019 11:21

Tgt Ion:266 Resp: 245
Ion Ratio Lower Upper
266 100
264 85.1 66.6 100.0
268 83.3 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





#23

Phenanthrene

Concen: 0.372 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

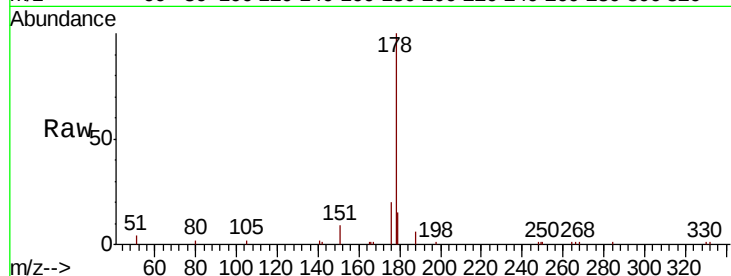
Tot Ion:178 Resp: 6908

Ion Ratio Lower Upper

178 100

176 20.0 16.0 24.0

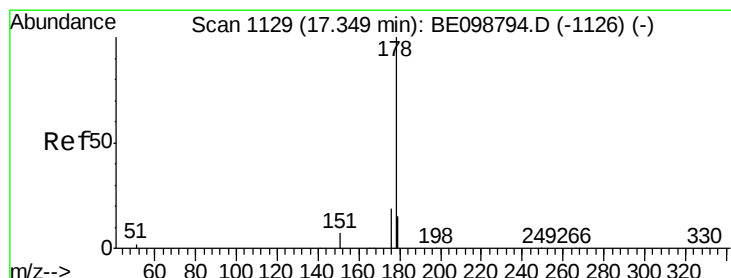
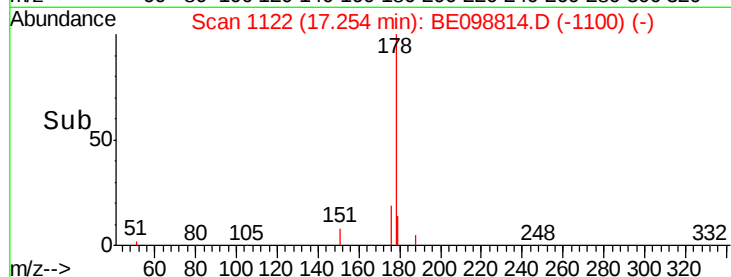
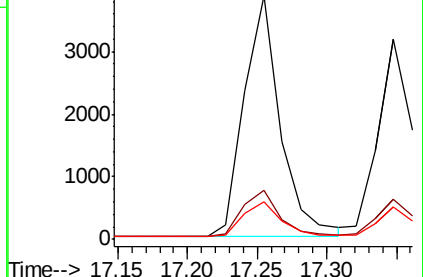
179 15.1 12.1 18.1



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



#24

Anthracene

Concen: 0.354 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

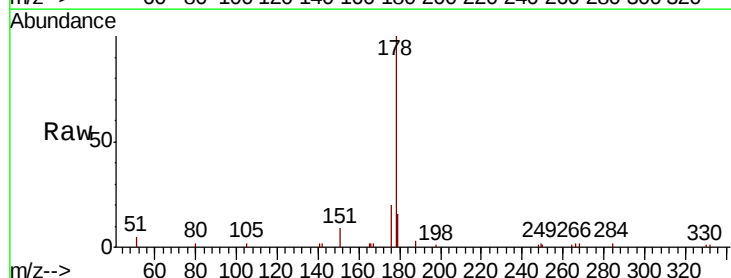
Tgt Ion:178 Resp: 5623

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.0

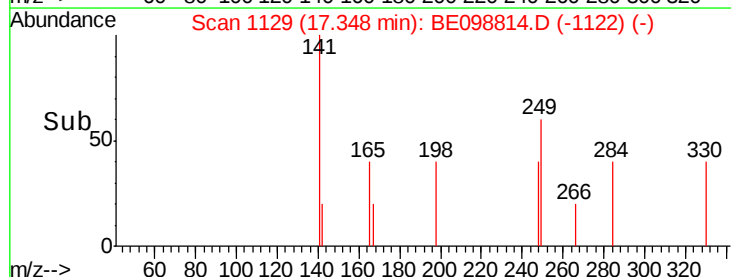
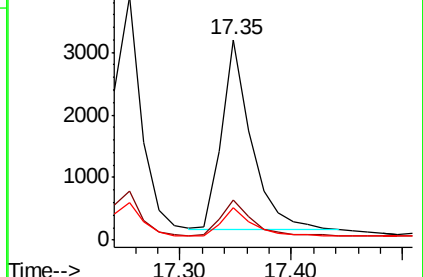
179 14.7 12.2 18.4

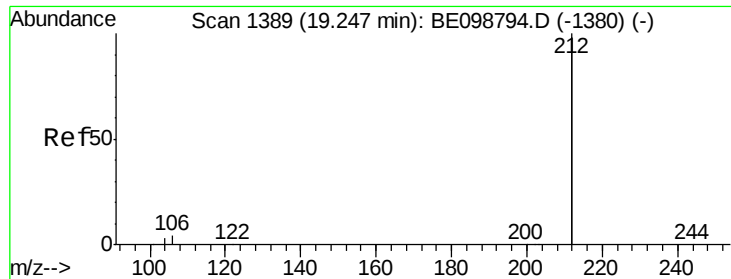


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.366 ng

RT: 19.25 min Scan# 1389

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

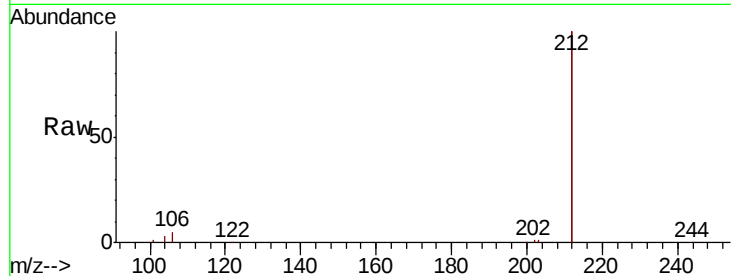
Tot Ion:212 Resp: 38115

Ion Ratio Lower Upper

212 100

106 2.3 1.8 2.8

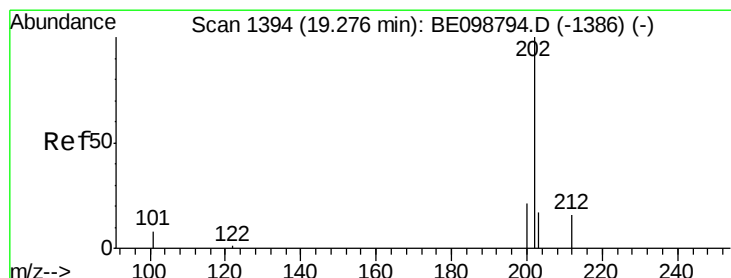
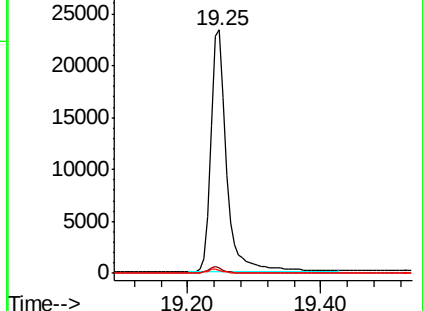
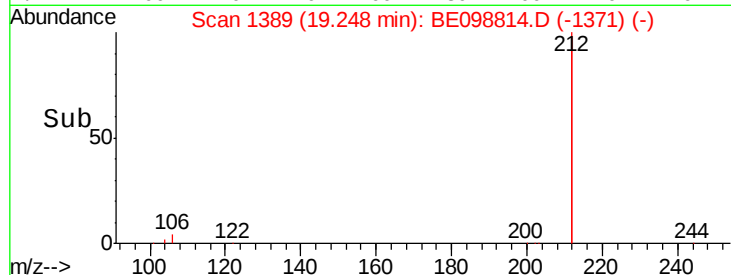
104 1.4 1.0 1.6



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



#26

Fluoranthene

Concen: 0.367 ng

RT: 19.28 min Scan# 1394

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

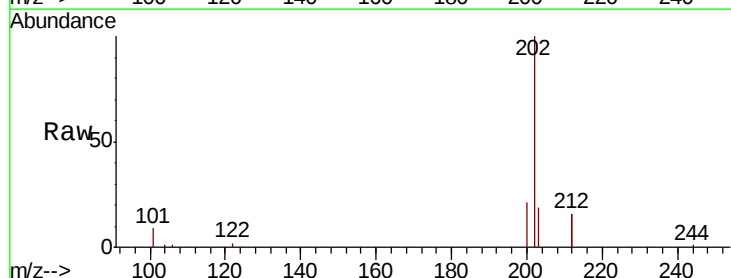
Tgt Ion:202 Resp: 9614

Ion Ratio Lower Upper

202 100

101 9.0 7.3 10.9

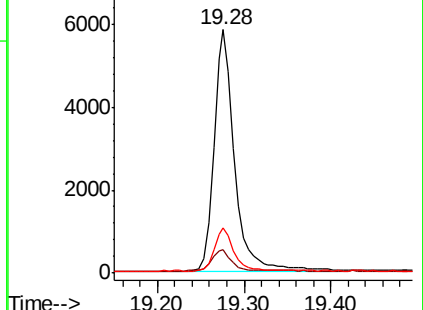
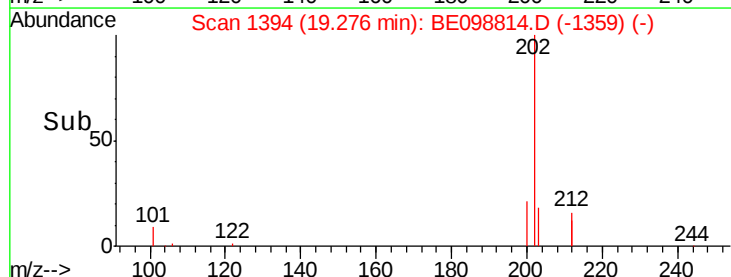
203 17.0 13.4 20.2

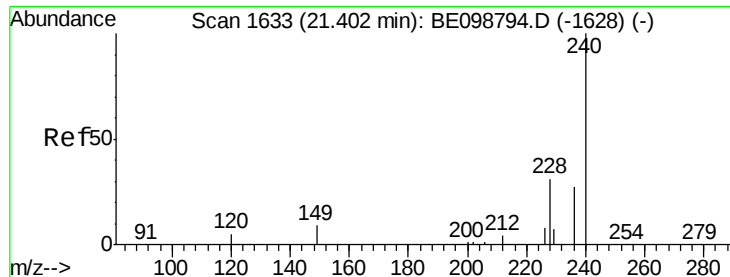


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

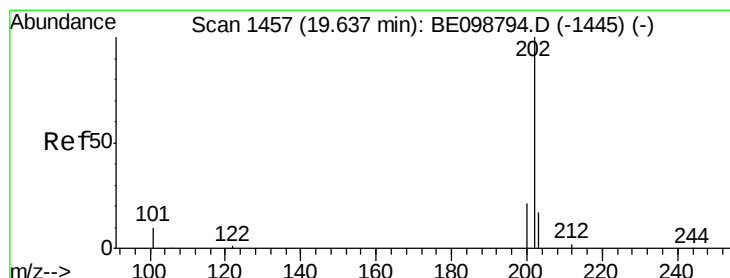
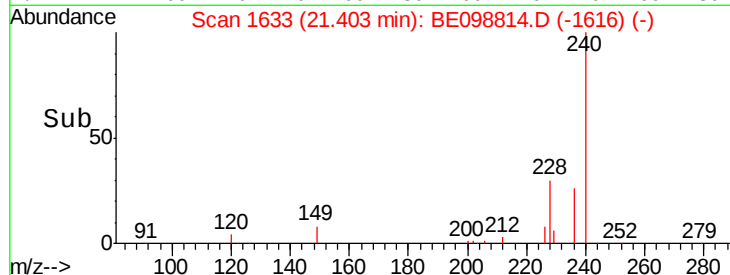
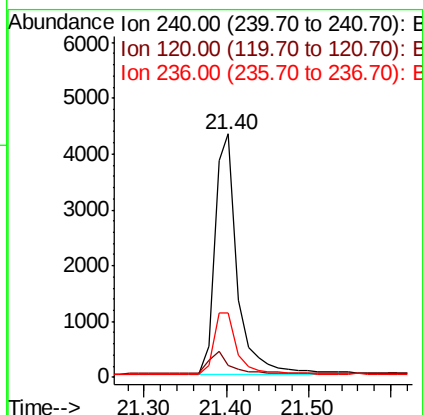
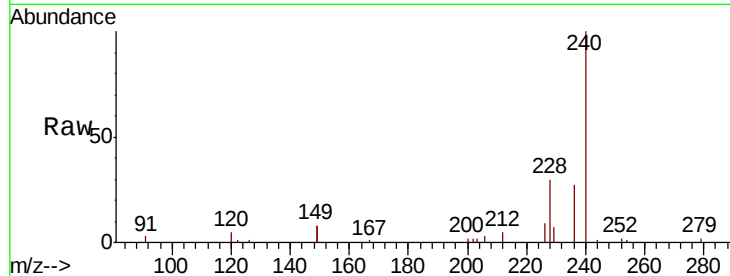




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

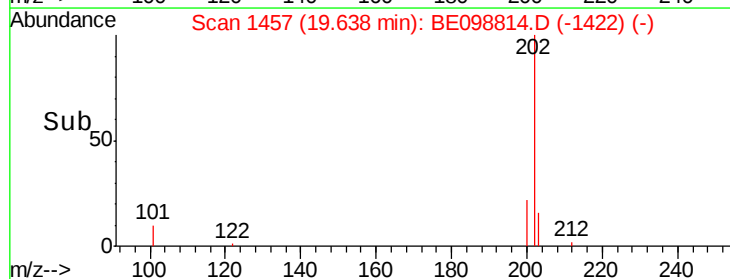
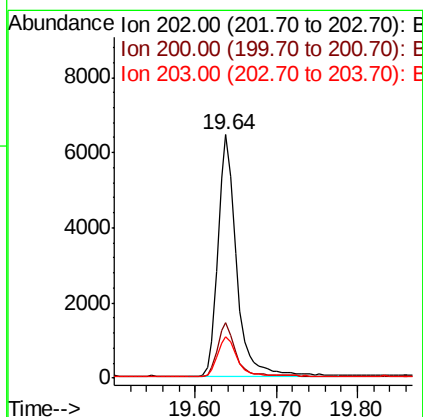
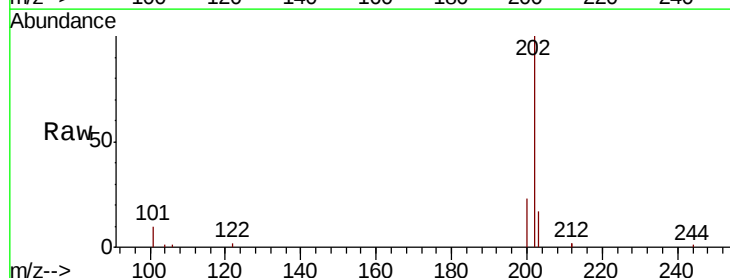
Instrument :
 BNA_E
 ClientSampleId :
 PB117620BSD

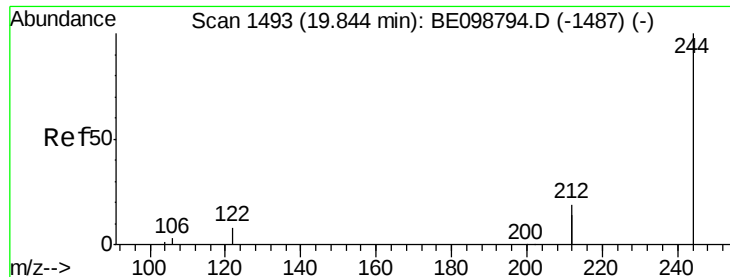
Tot Ion:240 Resp: 8316
 Ion Ratio Lower Upper
 240 100
 120 5.2 5.0 7.4
 236 26.6 22.7 34.1



#28
 Pyrene
 Concen: 0.399 ng
 RT: 19.64 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

Tgt Ion:202 Resp: 10139
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.0 25.6
 203 17.4 14.2 21.2





#29

Terphenyl-d14

Concen: 0.384 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

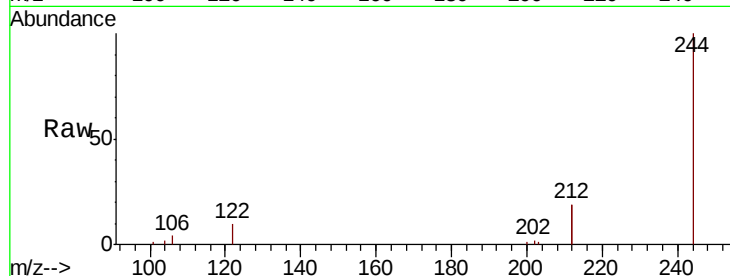
Tot Ion:244 Resp: 7764

Ion Ratio Lower Upper

244 100

212 37.2 29.4 44.2

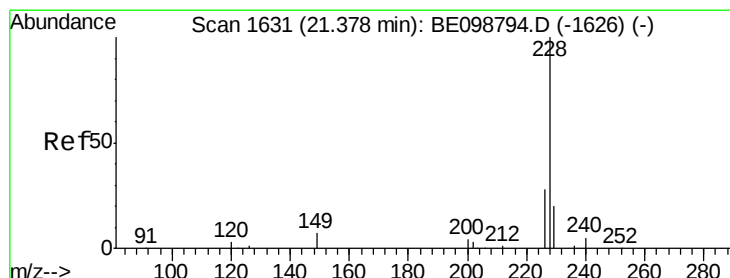
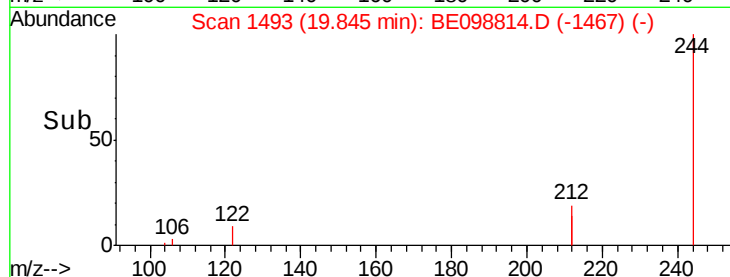
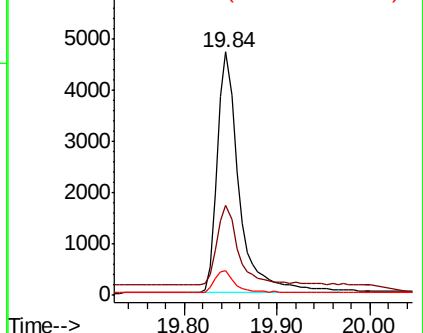
122 10.1 7.1 10.7



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



#30

Benzo(a)anthracene

Concen: 0.392 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

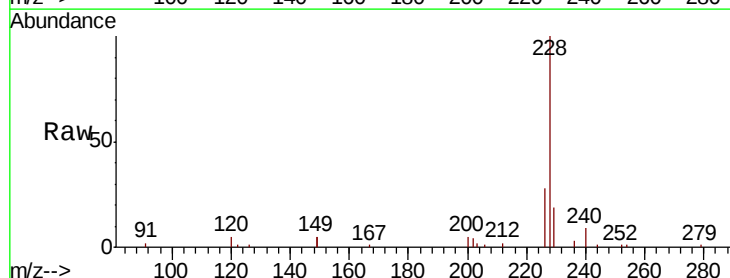
Tgt Ion:228 Resp: 10184

Ion Ratio Lower Upper

228 100

226 28.1 23.0 34.4

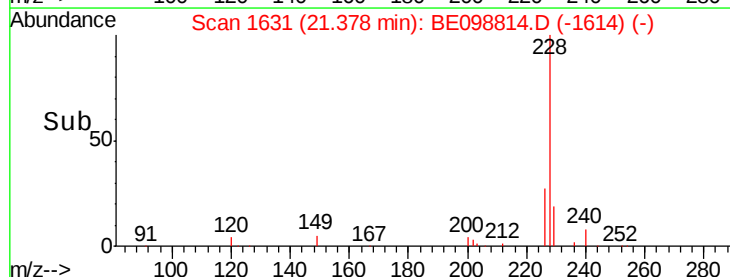
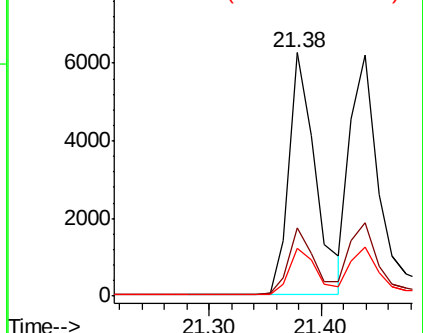
229 19.5 16.5 24.7

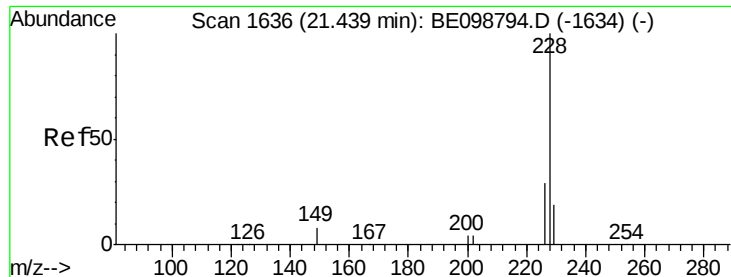


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.384 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

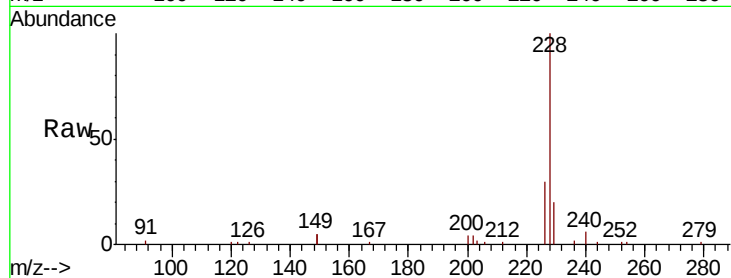
Tot Ion:228 Resp: 10656

Ion Ratio Lower Upper

228 100

226 30.3 23.7 35.5

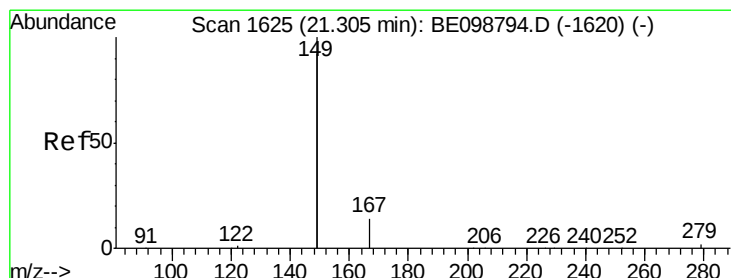
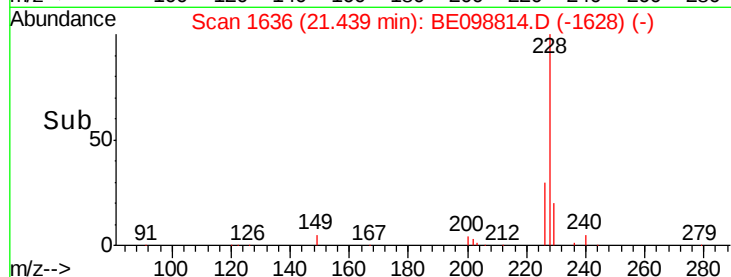
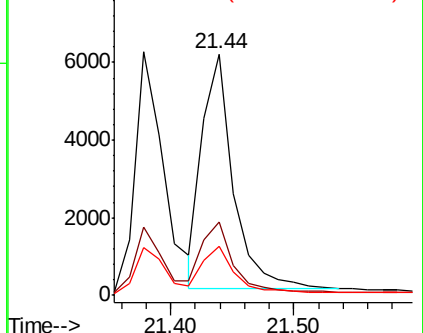
229 20.4 16.1 24.1



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.335 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

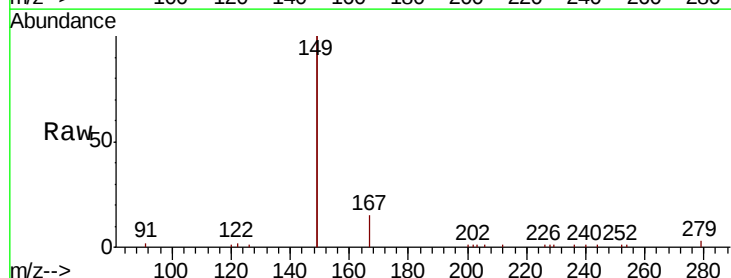
Tgt Ion:149 Resp: 18494

Ion Ratio Lower Upper

149 100

167 7.1 5.4 8.0

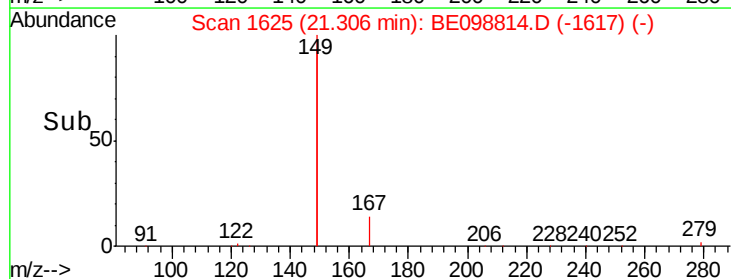
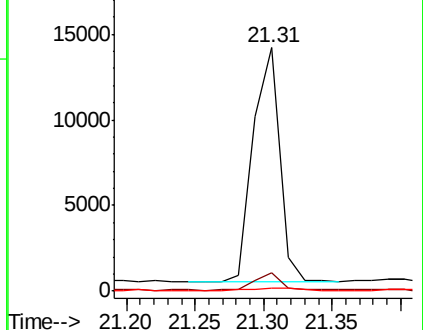
279 1.2 1.0 1.4

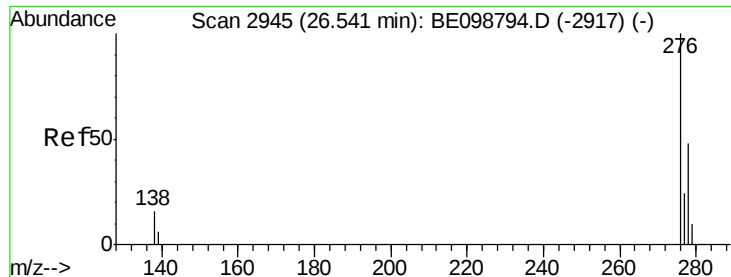


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

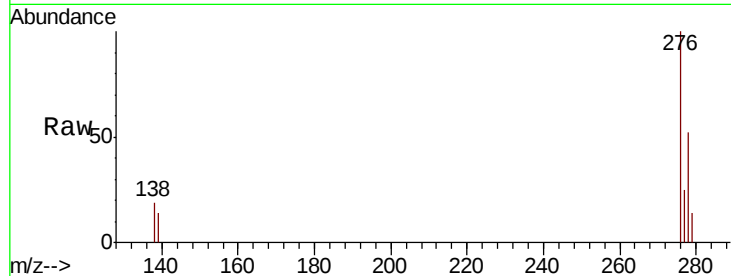




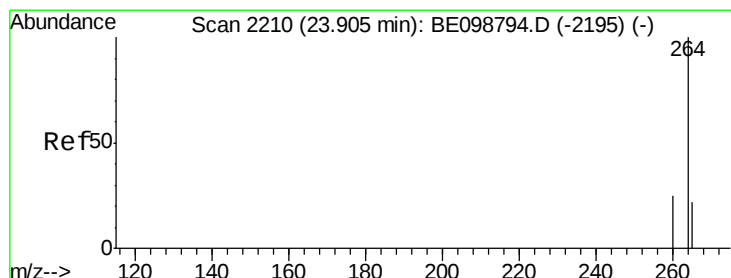
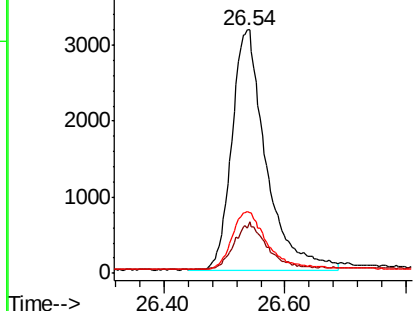
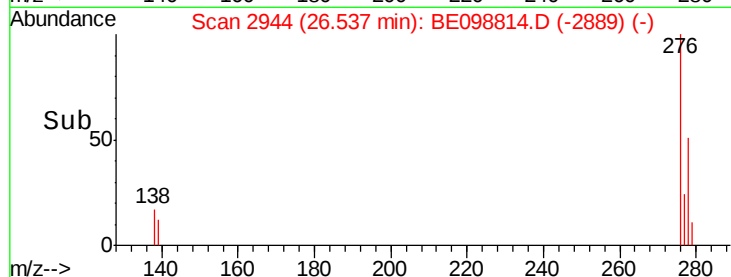
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.420 ng
 RT: 26.54 min Scan# 2944
 Delta R.T. -0.00 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

Instrument :
 BNA_E
 ClientSampleId :
 PB117620BSD

Tot Ion:276 Resp: 12317
 Ion Ratio Lower Upper
 276 100
 138 19.2 13.8 20.8
 277 24.5 19.5 29.3

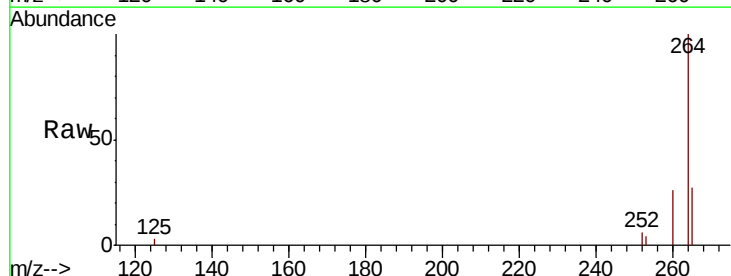


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

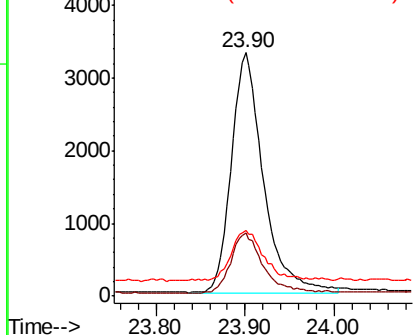
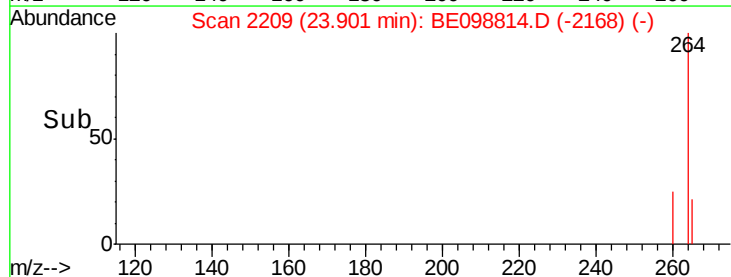


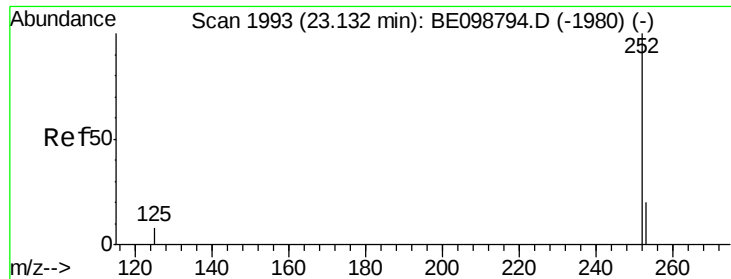
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. -0.00 min
 Lab File: BE098814.D
 Acq: 7 Mar 2019 11:21

Tgt Ion:264 Resp: 8266
 Ion Ratio Lower Upper
 264 100
 260 25.9 21.2 31.8
 265 27.1 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





#35

Benzo(b)fluoranthene

Concen: 0.415 ng

RT: 23.18 min Scan# 2008

Delta R.T. 0.05 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

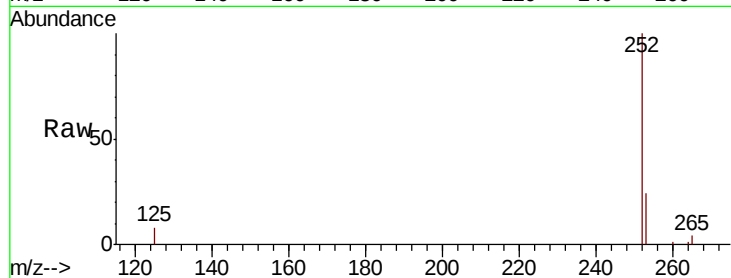
Tot Ion:252 Resp: 11273

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

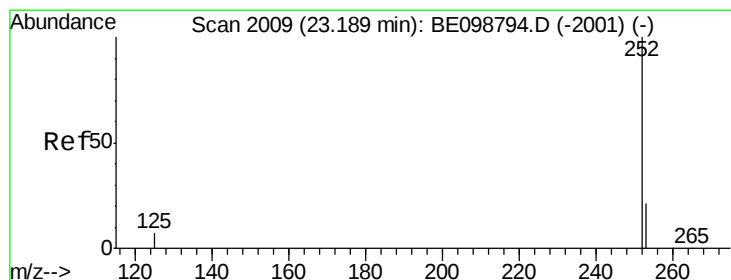
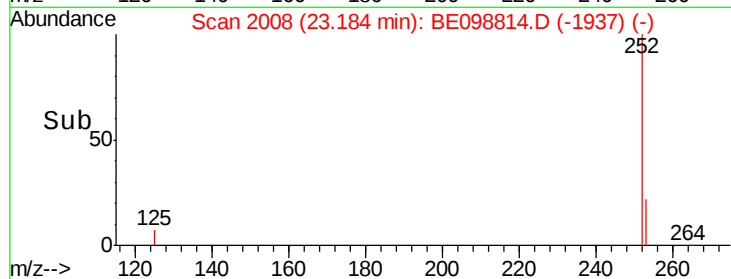
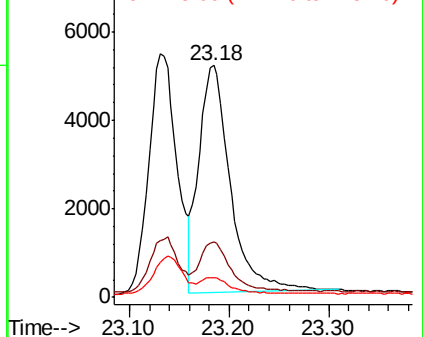
125 8.3 7.3 10.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.404 ng

RT: 23.18 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

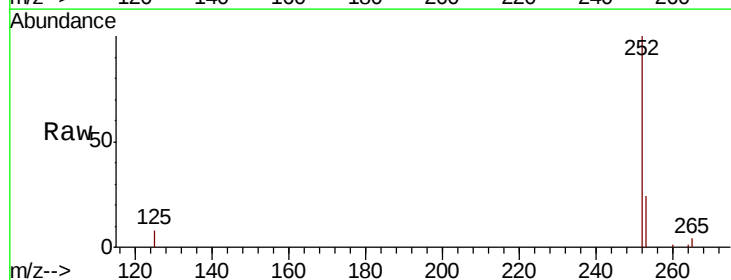
Tgt Ion:252 Resp: 11499

Ion Ratio Lower Upper

252 100

253 24.0 19.3 28.9

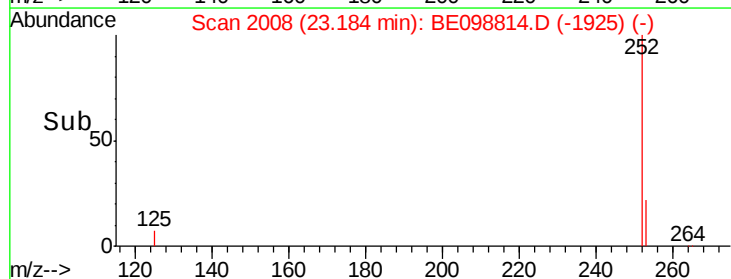
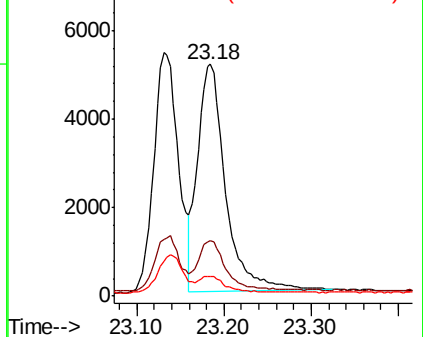
125 8.3 7.5 11.3

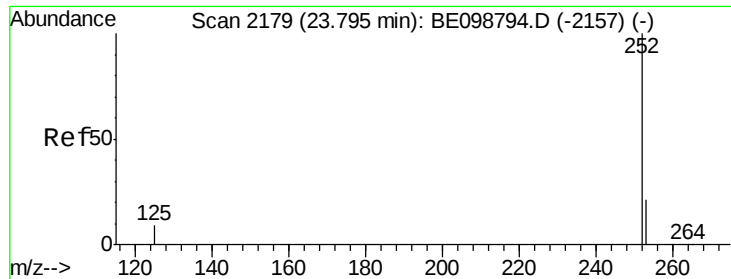


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.407 ng

RT: 23.79 min Scan# 2178

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD

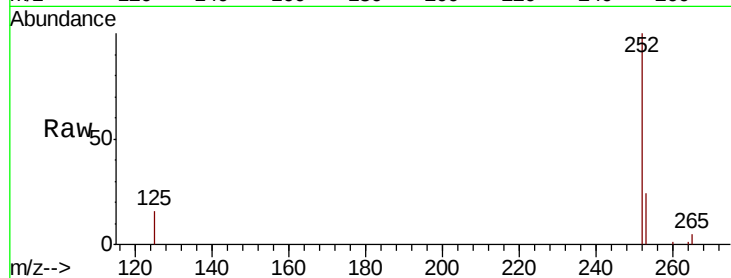
Tot Ion:252 Resp: 10596

Ion Ratio Lower Upper

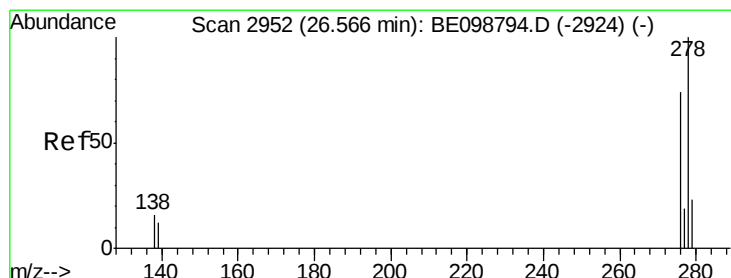
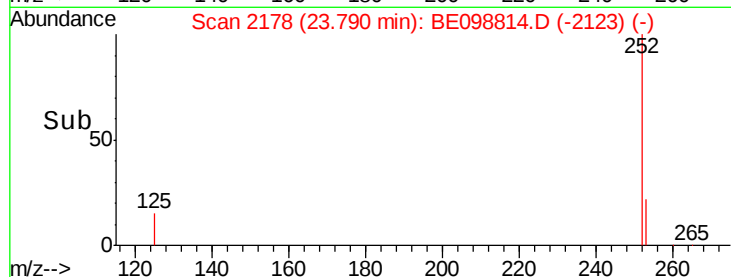
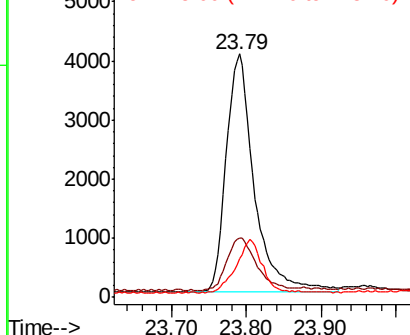
252 100

253 24.5 19.9 29.9

125 16.2 9.0 13.4#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.386 ng

RT: 26.56 min Scan# 2951

Delta R.T. -0.00 min

Lab File: BE098814.D

Acq: 7 Mar 2019 11:21

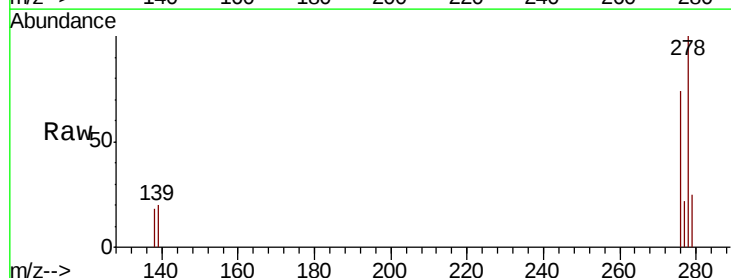
Tgt Ion:278 Resp: 9515

Ion Ratio Lower Upper

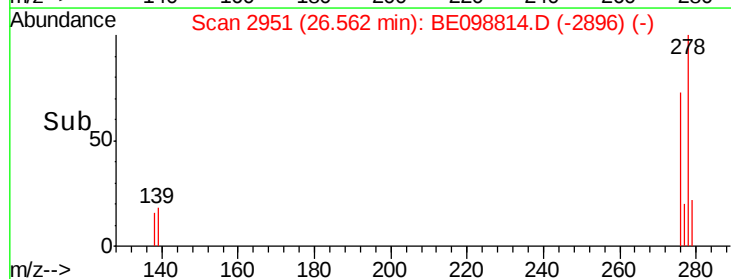
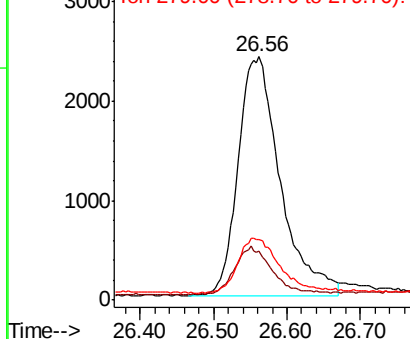
278 100

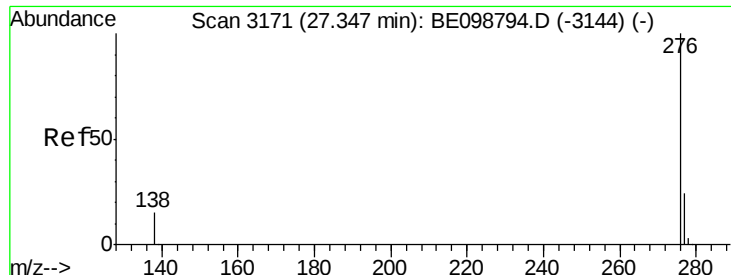
139 20.3 11.8 17.6#

279 24.9 21.1 31.7



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.394 ng

RT: 27.35 min Scan# 3171

Delta R.T. 0.00 min

Lab File: BE098814.D

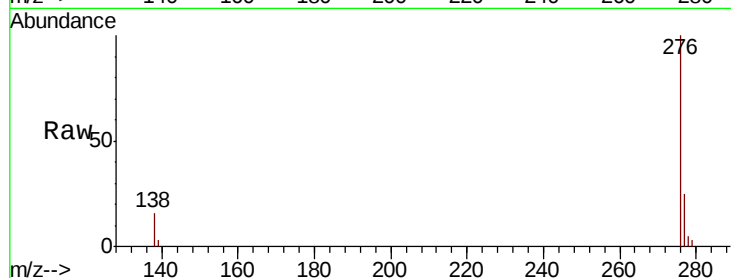
Acq: 7 Mar 2019 11:21

Instrument :

BNA_E

ClientSampleId :

PB117620BSD



Tot Ion: 276 Resp: 10168

Ion Ratio Lower Upper

276 100

277 24.6 20.4 30.6

138 16.1 13.6 20.4

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

