

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052019\
 Data File : BE099663.D
 Acq On : 20 May 2019 13:38
 Operator : JU/SJ
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 20 15:45:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 15:39:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1687	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5904	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	4106	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	12403	0.40	ng	0.00
27) Chrysene-d12	21.41	240	20542	0.40	ng	0.00
34) Perylene-d12	23.96	264	22249	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	6914	1.44	ng	0.00
5) Phenol-d6	6.97	99	9240	1.52	ng	0.00
8) Nitrobenzene-d5	8.96	82	8917	1.56	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	16371	1.65	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	4371	1.56	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	25516	1.61	ng	0.00
25) Fluoranthene-d10	19.26	212	280012	1.70	ng	0.00
29) Terphenyl-d14	19.86	244	58928	1.59	ng	0.00

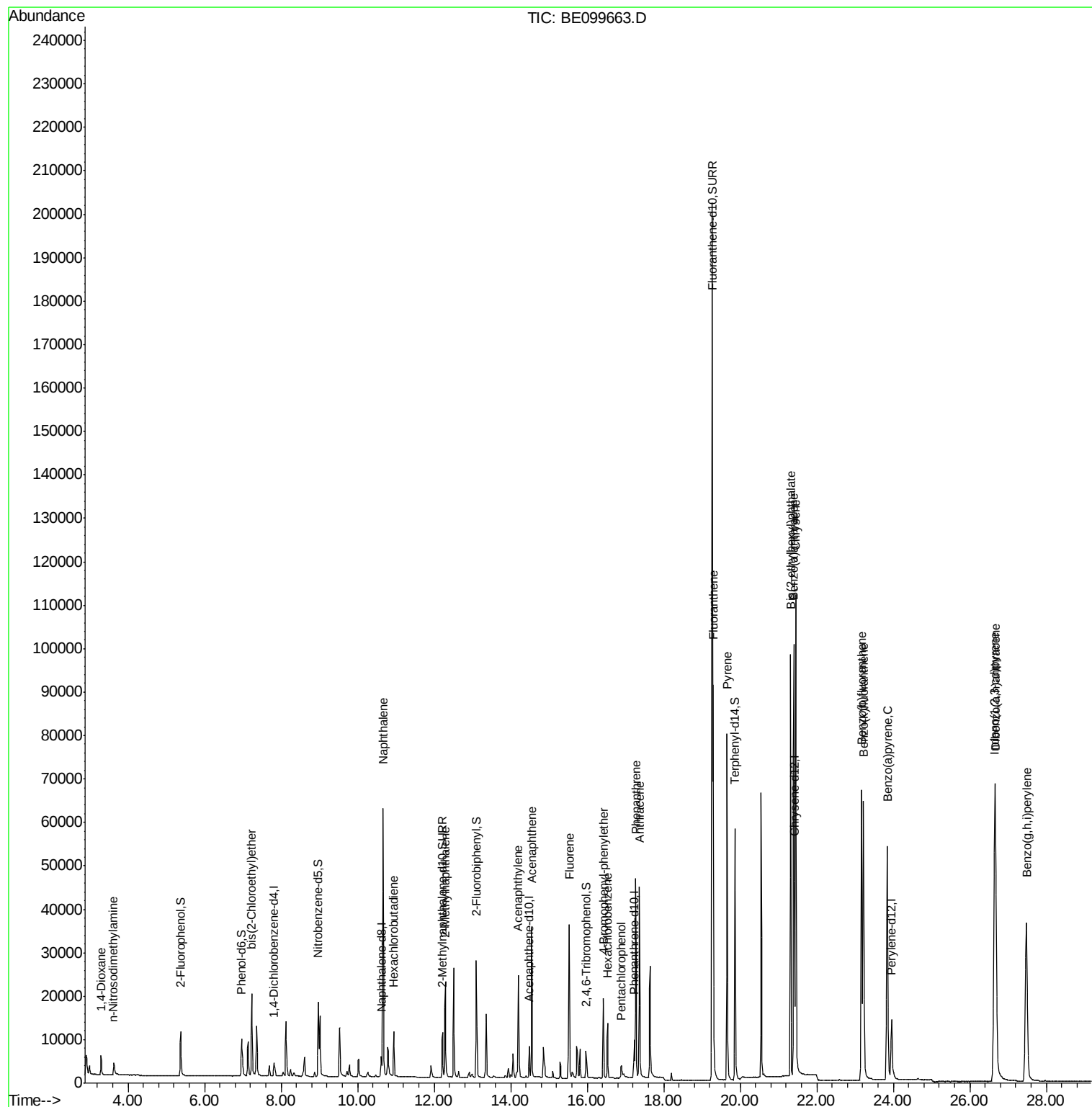
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	3706	1.489	ng	93
3) n-Nitrosodimethylamine	3.61	42	2024	1.276	ng	# 79
6) bis(2-Chloroethyl)ether	7.23	93	8163	1.599	ng	99
9) Naphthalene	10.67	128	102786	1.636	ng	99
10) Hexachlorobutadiene	10.94	225	7398	1.610	ng	97
12) 2-Methylnaphthalene	12.30	142	17130	1.651	ng	98
16) Acenaphthylene	14.20	152	32214	1.662	ng	99
17) Acenaphthene	14.54	154	18008	1.645	ng	100
18) Fluorene	15.53	166	26224	1.670	ng	99
20) 4-Bromophenyl-phenylether	16.43	248	11868	1.660	ng	# 92
21) Hexachlorobenzene	16.53	284	11928	1.698	ng	99
22) Pentachlorophenol	16.89	266	3543	1.264	ng	90
23) Phenanthrene	17.27	178	50217	1.631	ng	99
24) Anthracene	17.36	178	46697	1.644	ng	99
26) Fluoranthene	19.29	202	79973	1.717	ng	100
28) Pyrene	19.66	202	81639	1.559	ng	100
30) Benzo(a)anthracene	21.40	228	96713	1.558	ng	99
31) Chrysene	21.45	228	100467	1.571	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	104830	1.095	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	124196	1.561	ng	99
35) Benzo(b)fluoranthene	23.17	252	99731	1.603	ng	99
36) Benzo(k)fluoranthene	23.22	252	104022	1.693	ng	99
37) Benzo(a)pyrene	23.84	252	96211	1.597	ng	97
38) Dibenzo(a,h)anthracene	26.67	278	102492	1.640	ng	99
39) Benzo(g,h,i)perylene	27.48	276	102620	1.633	ng	99

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

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BNA_E
ClientSampled :

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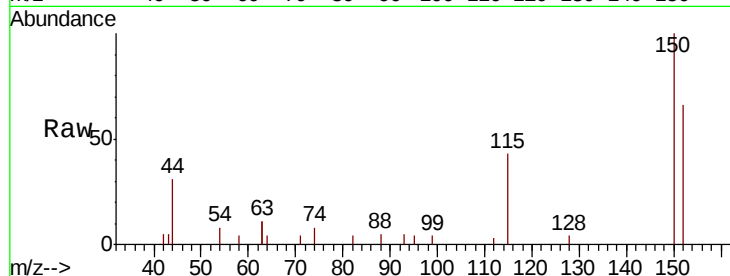


#1

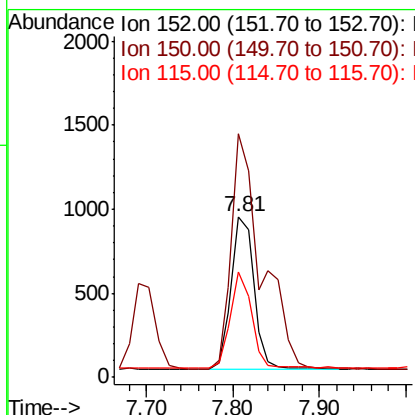
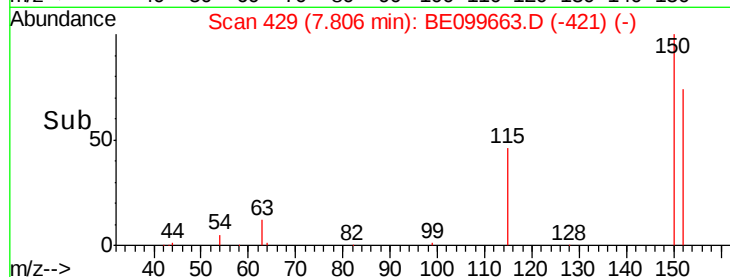
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.81 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: BE099663.D
 Acq: 20 May 2019 13:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:152 Resp: 1687
 Ion Ratio Lower Upper
 152 100
 150 151.3 109.2 163.8
 115 65.5 43.7 65.5



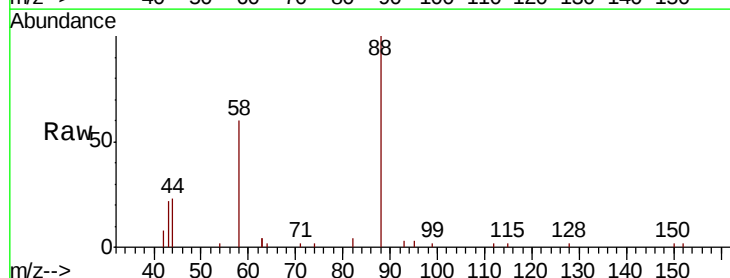
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



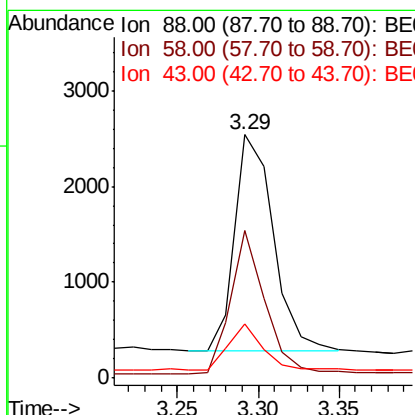
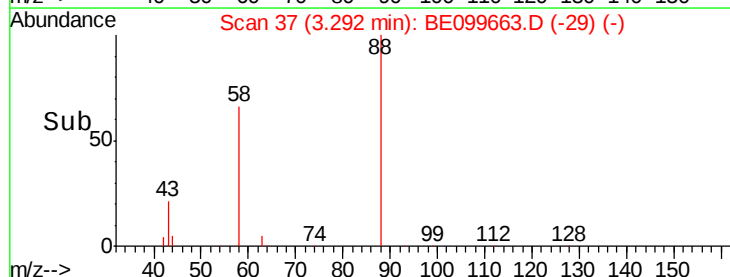
#2

1,4-Dioxane
 Concen: 1.489 ng
 RT: 3.29 min Scan# 37
 Delta R.T. -0.01 min
 Lab File: BE099663.D
 Acq: 20 May 2019 13:38

Tgt Ion: 88 Resp: 3706
 Ion Ratio Lower Upper
 88 100
 58 58.7 41.8 62.8
 43 19.5 15.0 22.4



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



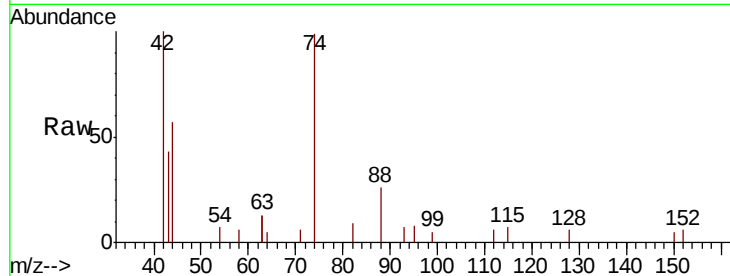


#3

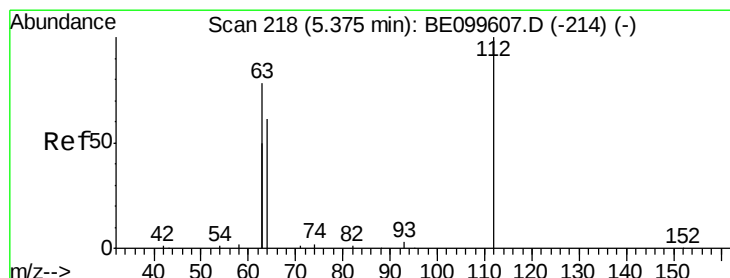
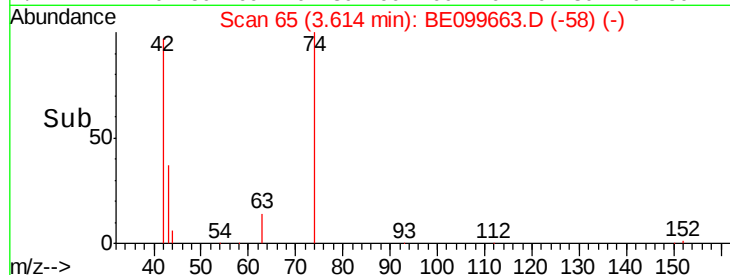
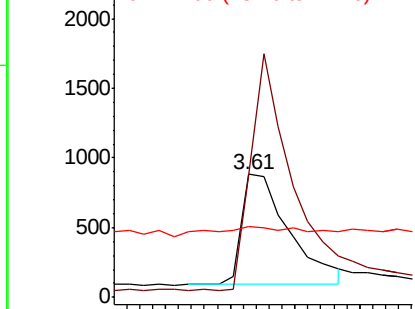
n-Nitrosodimethylamine
 Concen: 1.276 ng
 RT: 3.61 min Scan# 65
 Delta R.T. -0.02 min
 Lab File: BE099663.D
 Acq: 20 May 2019 13:38

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 2024
 Ion Ratio Lower Upper
 42 100
 74 188.4 128.4 192.6
 44 17.5 0.0 0.0#



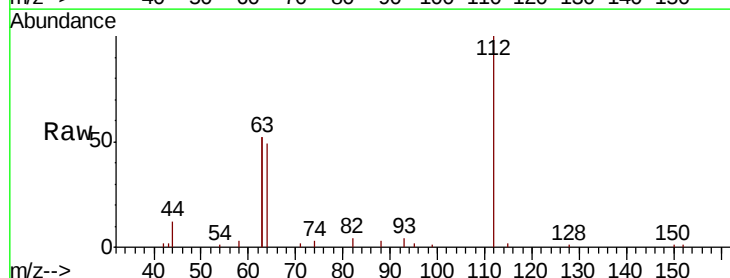
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



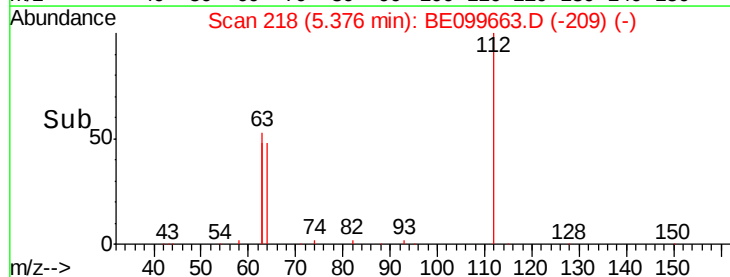
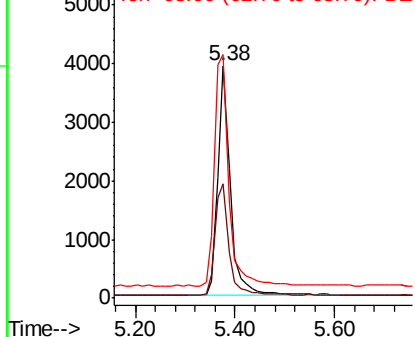
#4

2-Fluorophenol
 Concen: 1.444 ng
 RT: 5.38 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE099663.D
 Acq: 20 May 2019 13:38

Tgt Ion: 112 Resp: 6914
 Ion Ratio Lower Upper
 112 100
 64 53.0 43.4 65.2
 63 113.7 96.9 145.3



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: 1.522 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

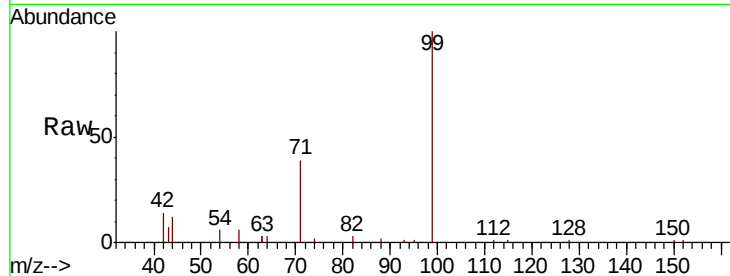
Tot Ion: 99 Resp: 9240

Ion Ratio Lower Upper

99 100

42 13.5 12.2 18.2

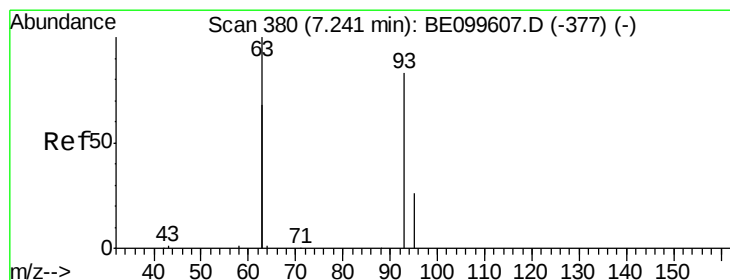
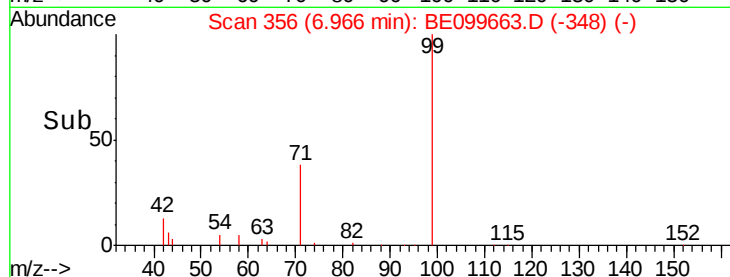
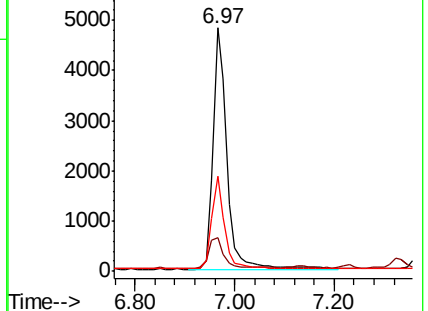
71 35.5 28.9 43.3



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: 1.599 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

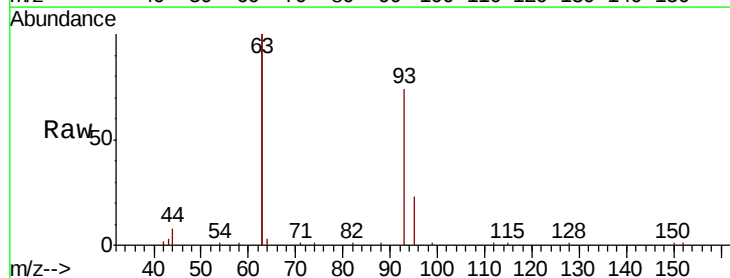
Tgt Ion: 93 Resp: 8163

Ion Ratio Lower Upper

93 100

63 257.2 207.8 311.6

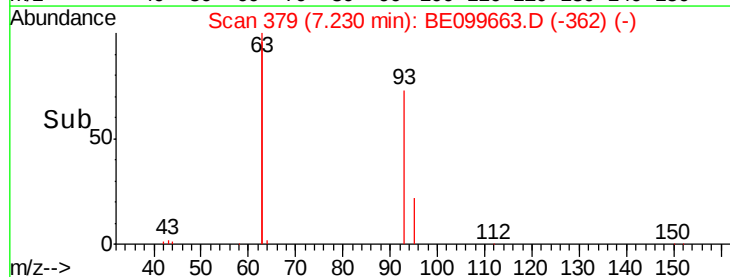
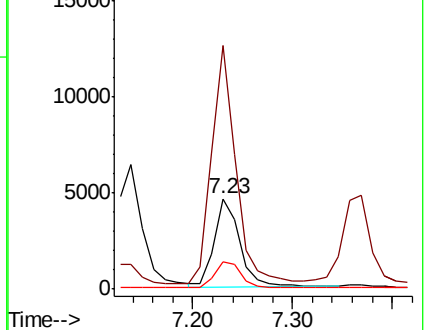
95 31.8 25.9 38.9



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: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 5904

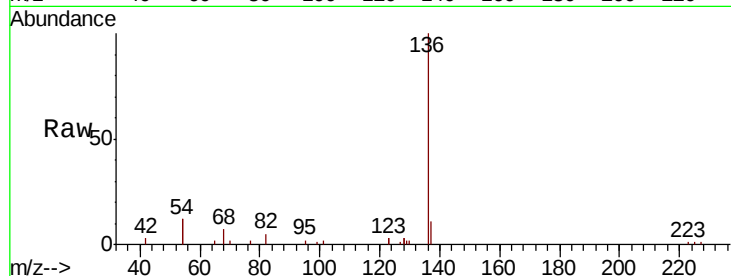
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 23.7 22.3 33.5

68 7.0 6.0 9.0

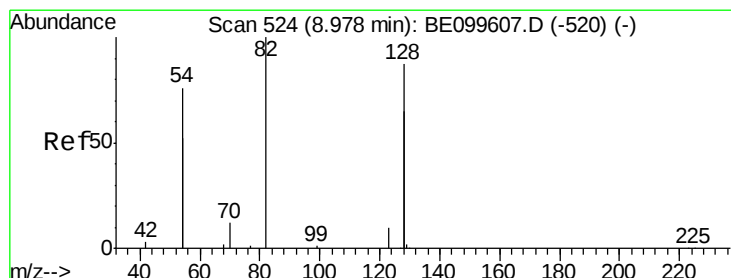
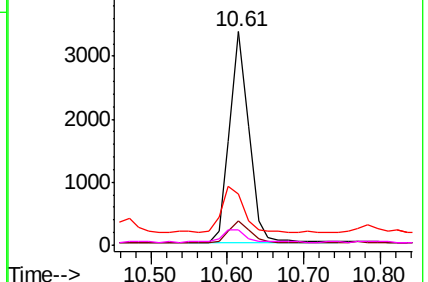
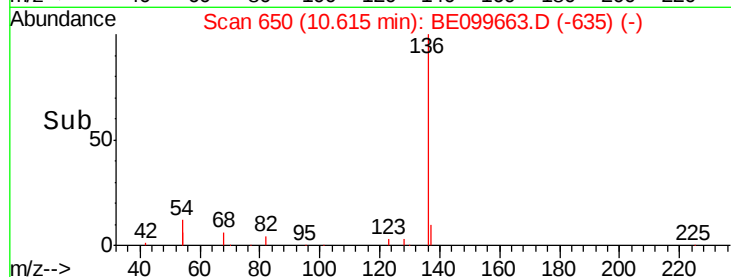


Abundance Ion 136.00 (135.70 to 136.70): E

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: 1.560 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

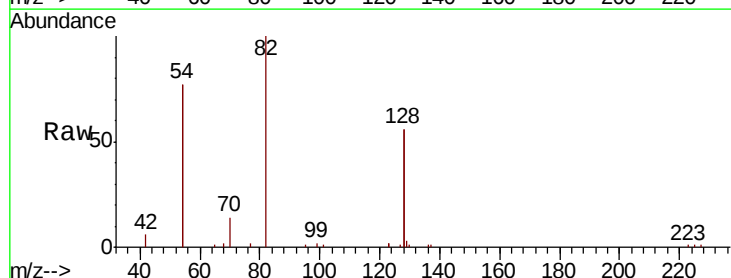
Tgt Ion: 82 Resp: 8917

Ion Ratio Lower Upper

82 100

128 111.7 117.7 176.5#

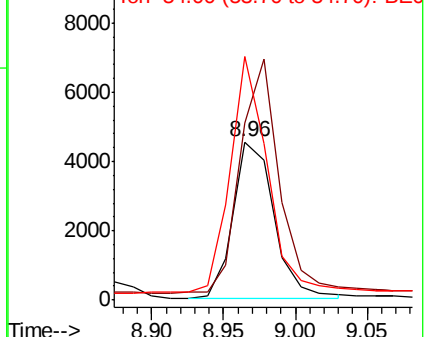
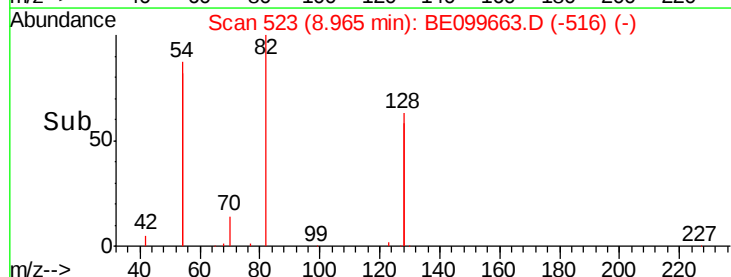
54 154.0 106.6 160.0



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: 1.636 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

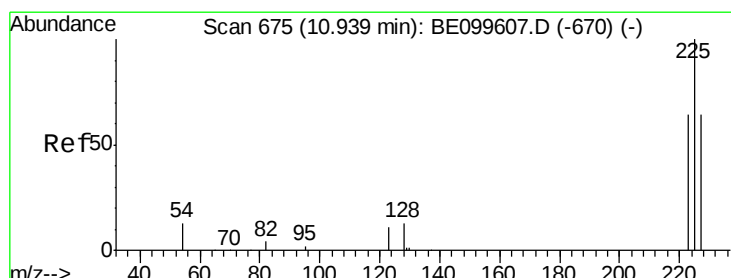
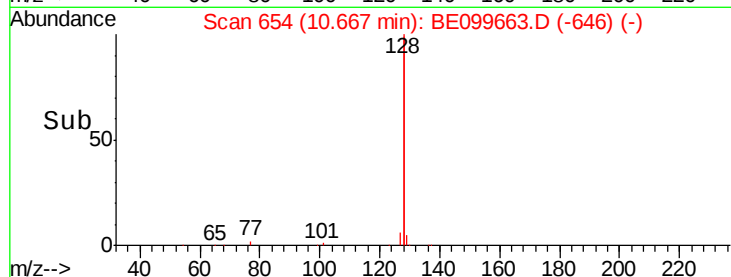
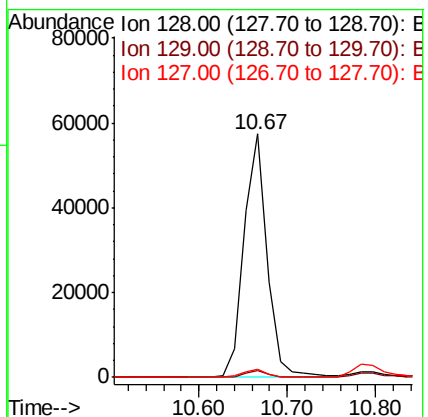
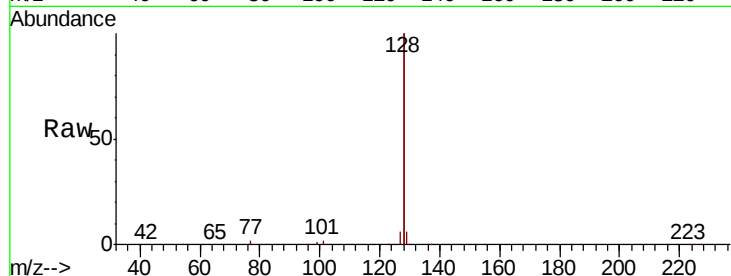
Tot Ion:128 Resp: 102786

Ion Ratio Lower Upper

128 100

129 2.8 2.4 3.6

127 3.2 2.9 4.3



#10

Hexachlorobutadiene

Concen: 1.610 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

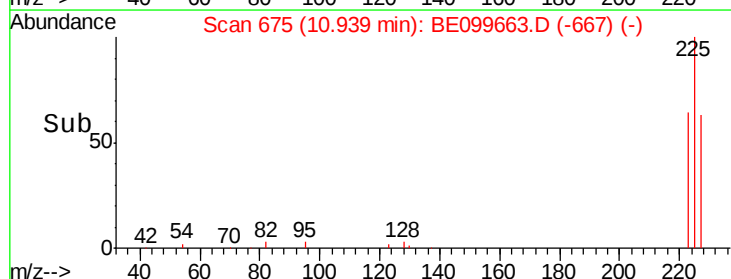
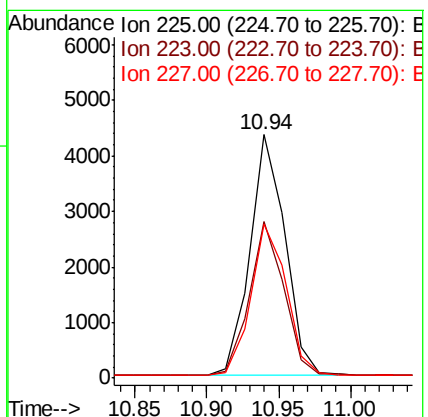
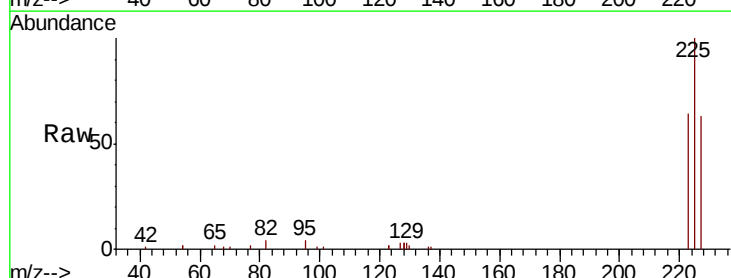
Tgt Ion:225 Resp: 7398

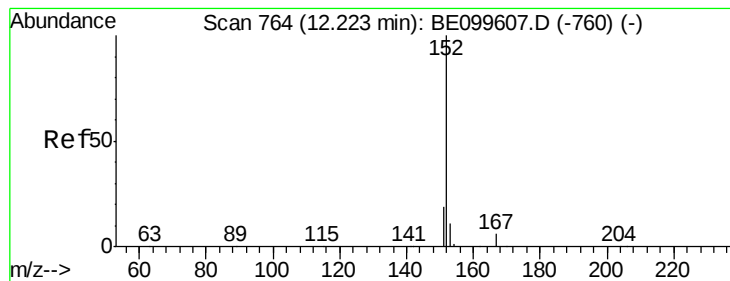
Ion Ratio Lower Upper

225 100

223 62.5 51.8 77.6

227 63.8 52.6 79.0





#11

2-Methylnaphthalene-d10

Concen: 1.649 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

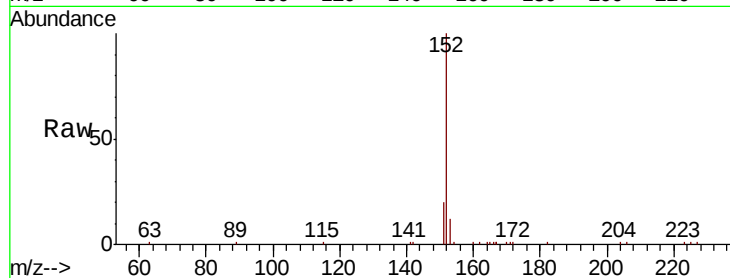
ClientSampleId :

Tot Ion:152 Resp: 16371

Ion Ratio Lower Upper

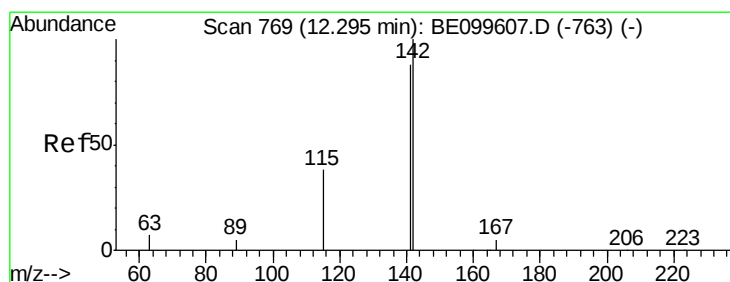
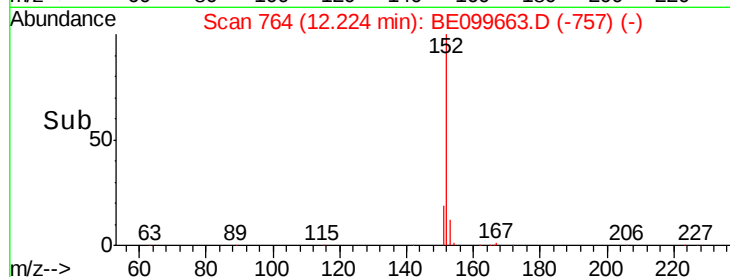
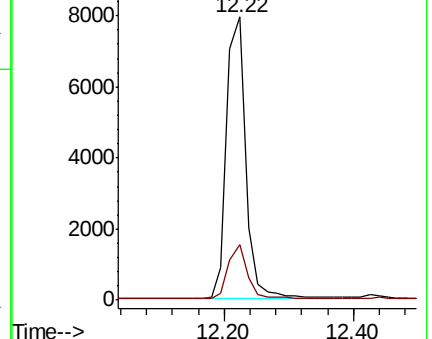
152 100

151 19.1 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 1.651 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

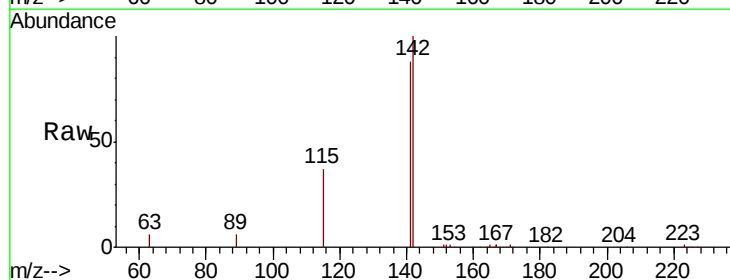
Tgt Ion:142 Resp: 17130

Ion Ratio Lower Upper

142 100

141 88.2 72.0 108.0

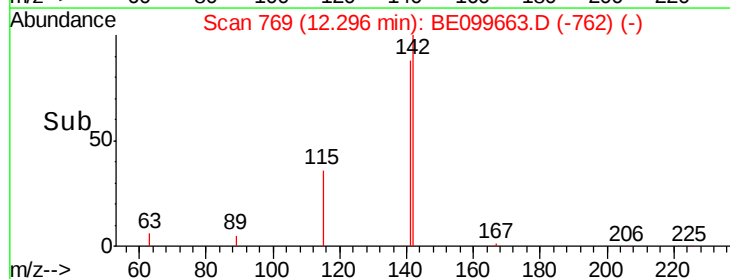
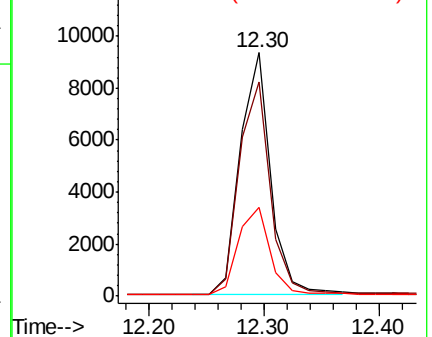
115 36.6 31.0 46.4

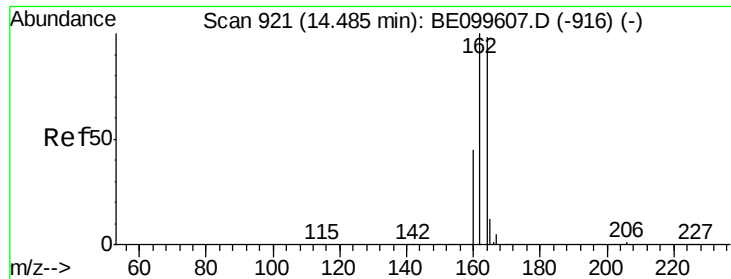


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

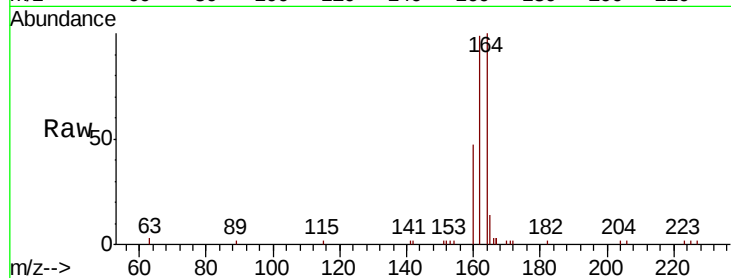




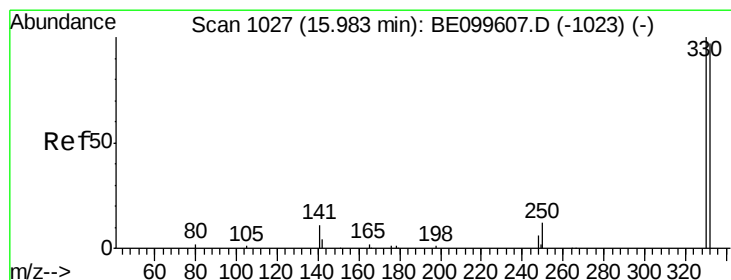
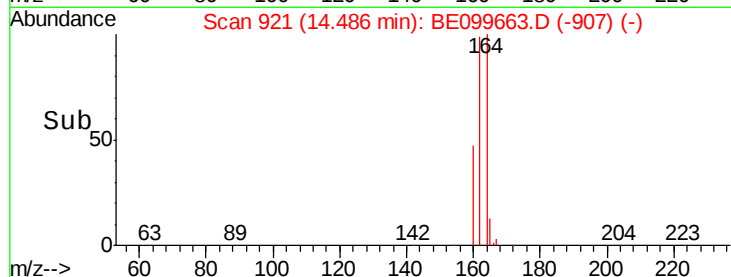
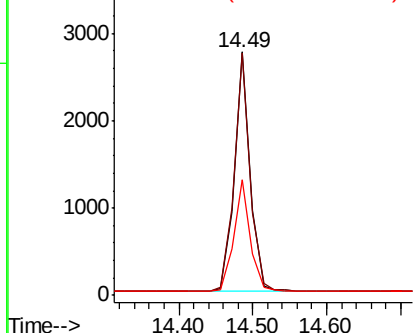
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 4106
Ion Ratio Lower Upper
164 100
162 99.4 76.5 114.7
160 47.5 37.4 56.2

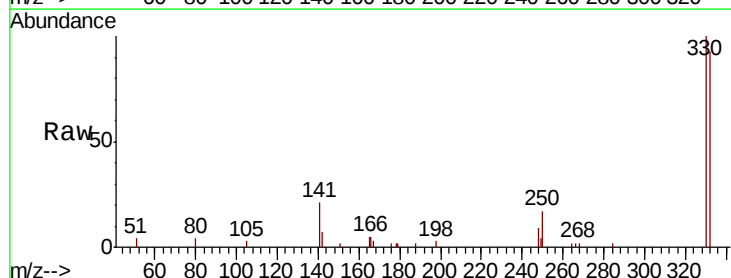


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

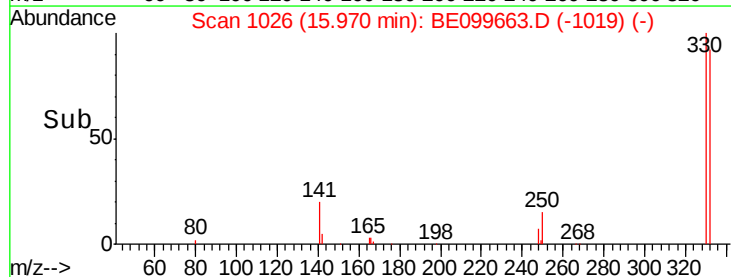
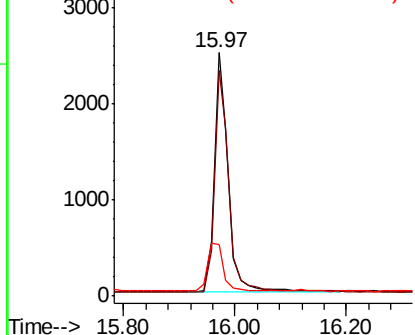


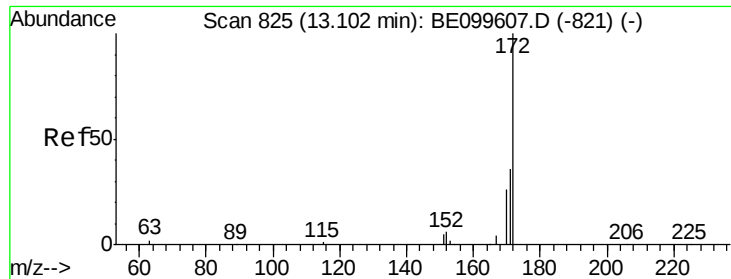
#14
2,4,6-Tribromophenol
Concen: 1.556 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

Tgt Ion:330 Resp: 4371
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 22.8 18.9 28.3



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

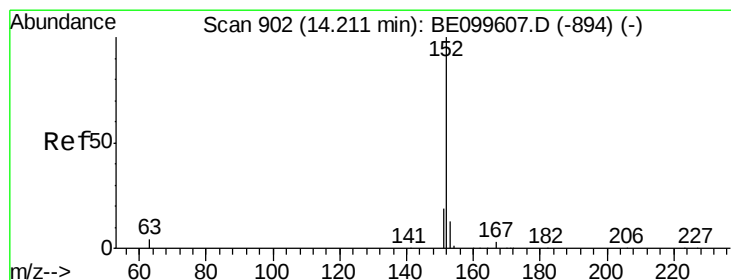
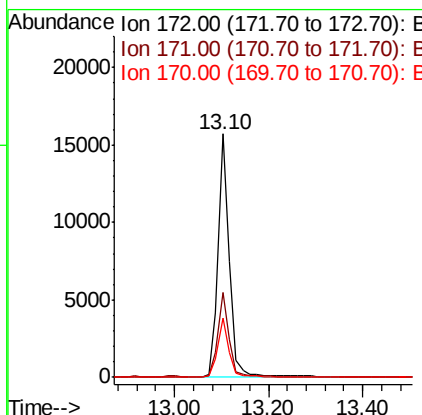
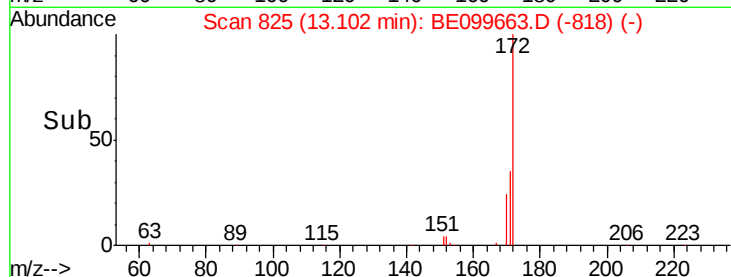
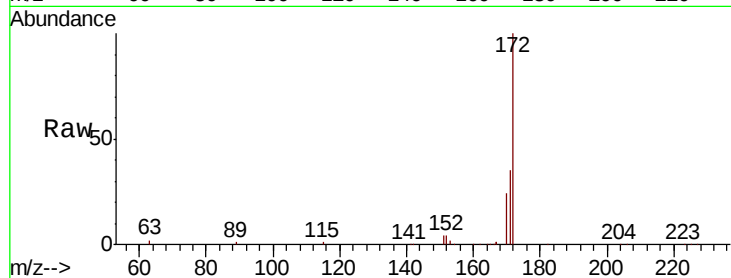




#15
2-Fluorobiphenyl
Concen: 1.614 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

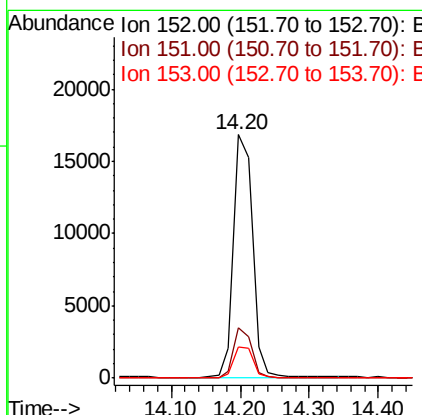
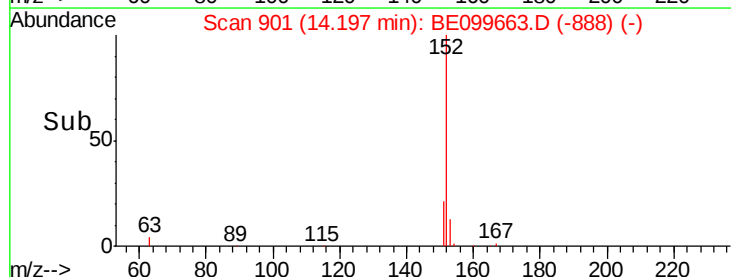
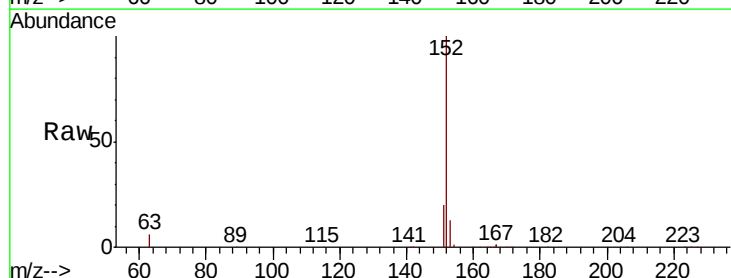
Instrument :
BNA_E
ClientSampleId :

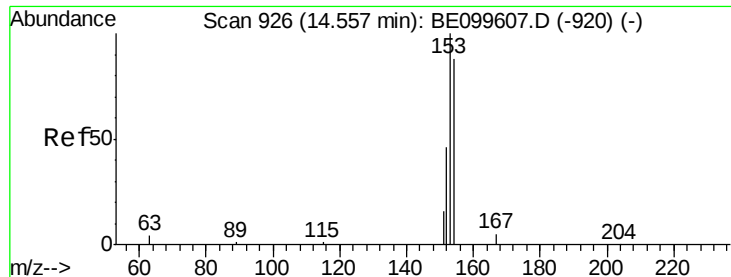
Tot Ion:172 Resp: 25516
Ion Ratio Lower Upper
172 100
171 34.9 28.7 43.1
170 24.2 20.9 31.3



#16
Acenaphthylene
Concen: 1.662 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

Tgt Ion:152 Resp: 32214
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 12.9 10.6 16.0





#17

Acenaphthene

Concen: 1.645 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

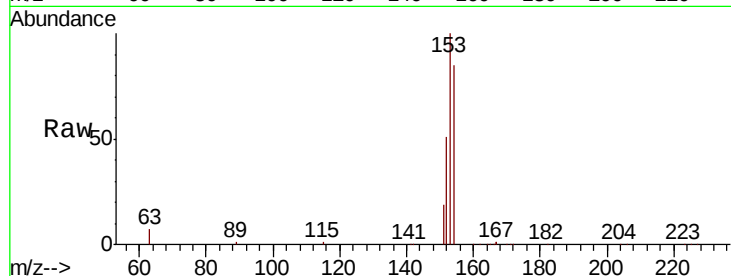
Tot Ion:154 Resp: 18008

Ion Ratio Lower Upper

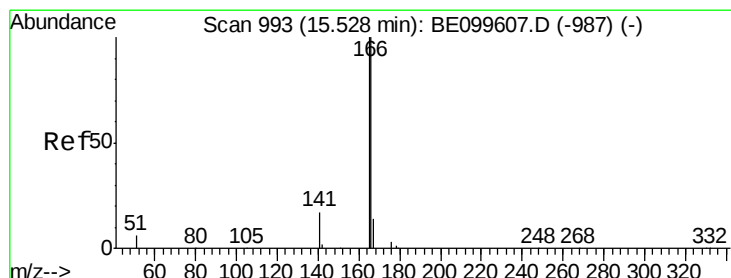
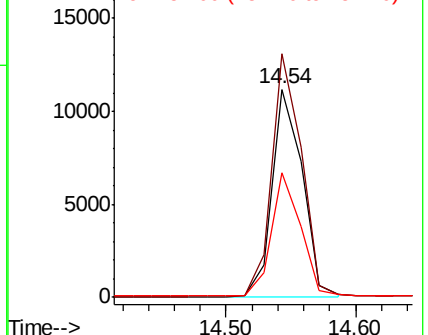
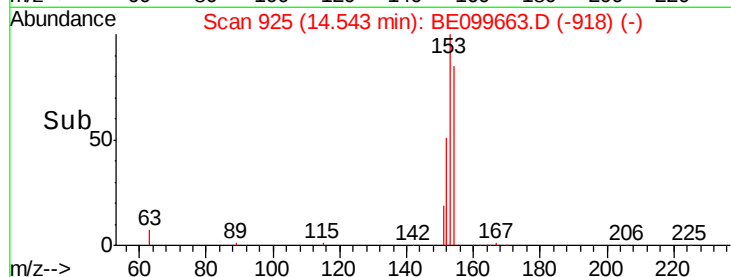
154 100

153 115.5 92.2 138.4

152 57.9 46.2 69.4



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: 1.670 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

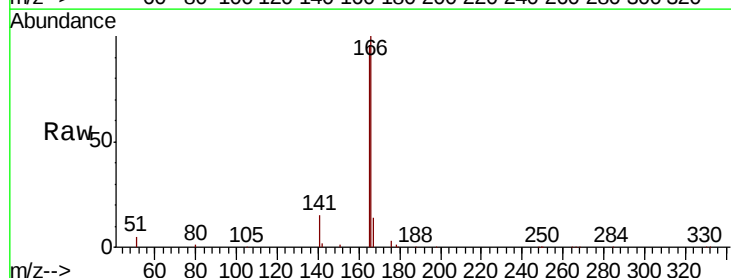
Tgt Ion:166 Resp: 26224

Ion Ratio Lower Upper

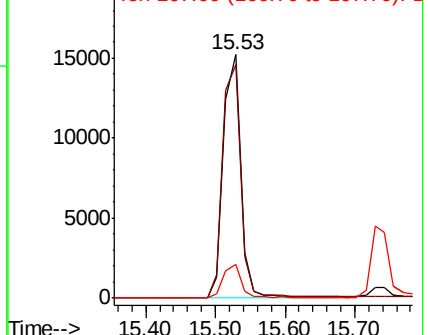
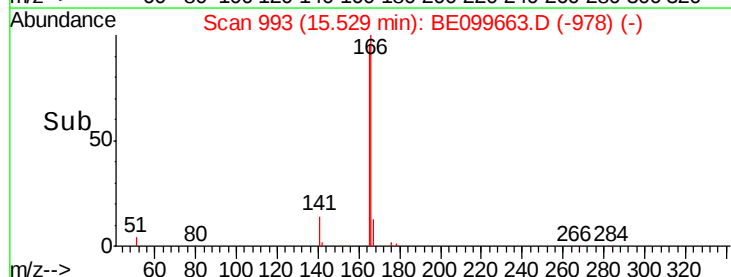
166 100

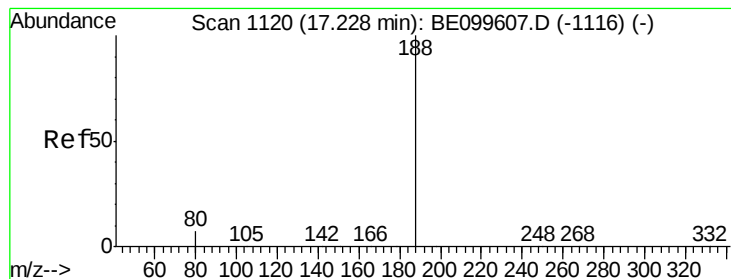
165 99.4 80.3 120.5

167 13.6 10.6 16.0



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: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

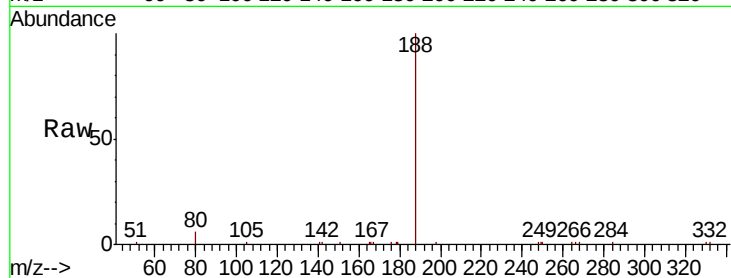
Tot Ion:188 Resp: 12403

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

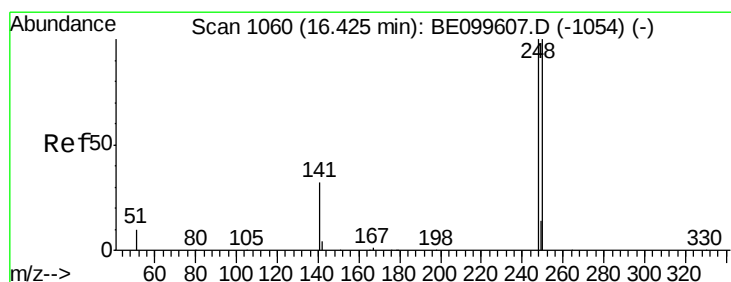
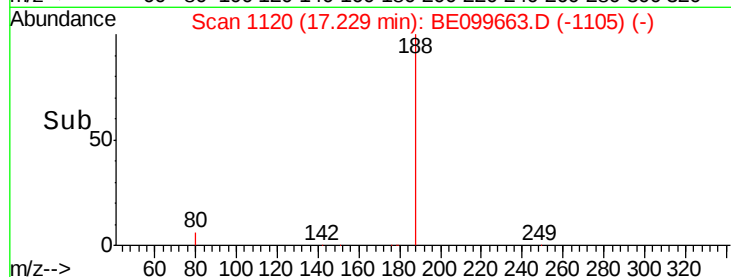
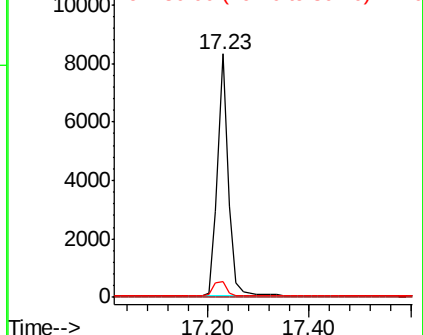
80 6.3 6.7 10.1#



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



#20

4-Bromophenyl-phenylether

Concen: 1.660 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

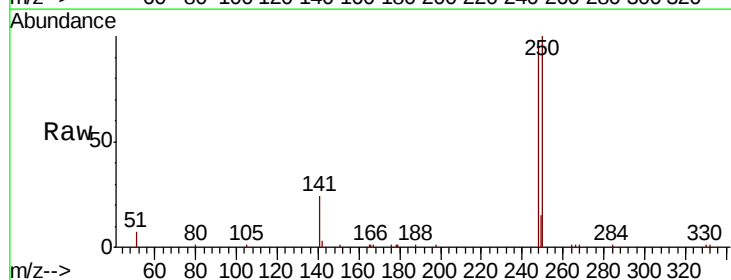
Tgt Ion:248 Resp: 11868

Ion Ratio Lower Upper

248 100

250 105.7 79.8 119.8

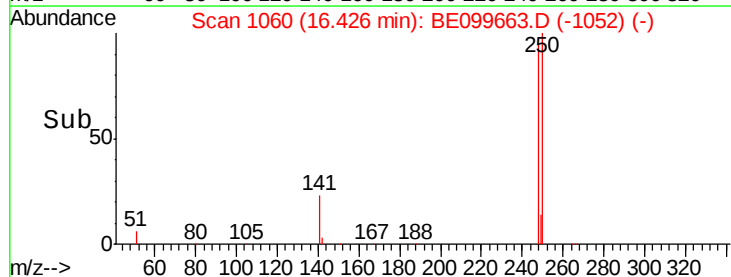
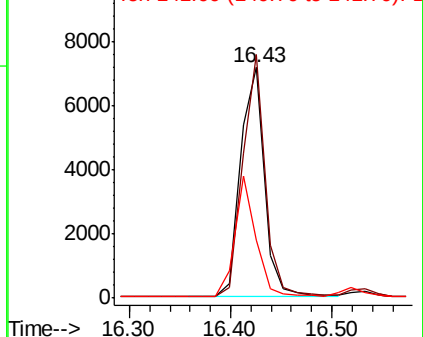
141 25.2 27.0 40.6#

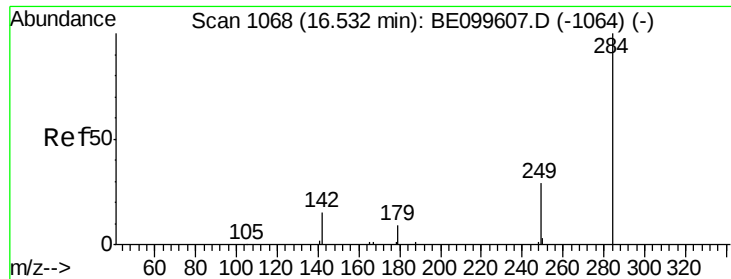


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 1.698 ng

RT: 16.53 min Scan# 1068

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampled :

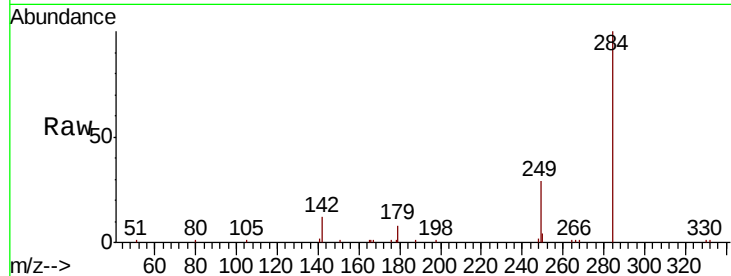
Tot Ion:284 Resp: 11928

Ion Ratio Lower Upper

284 100

142 22.0 17.8 26.6

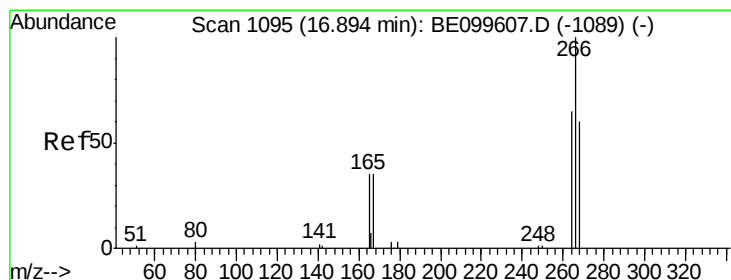
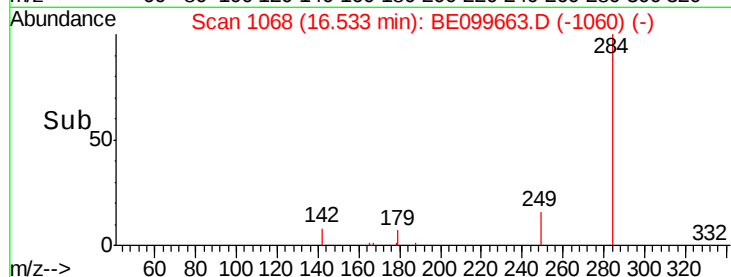
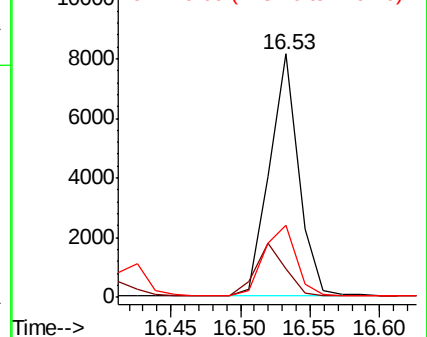
249 31.5 24.8 37.2



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: 1.264 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

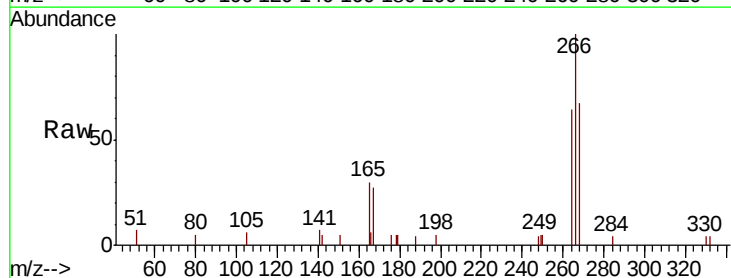
Tgt Ion:266 Resp: 3543

Ion Ratio Lower Upper

266 100

264 63.9 57.2 85.8

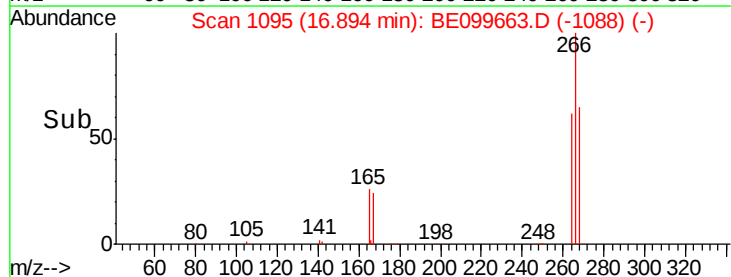
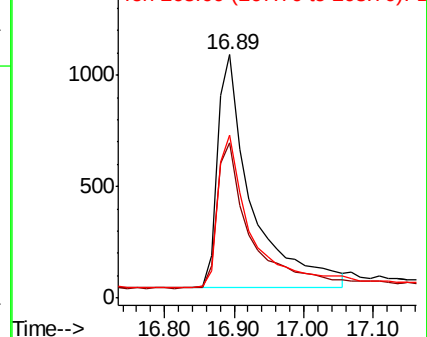
268 66.8 60.5 90.7



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

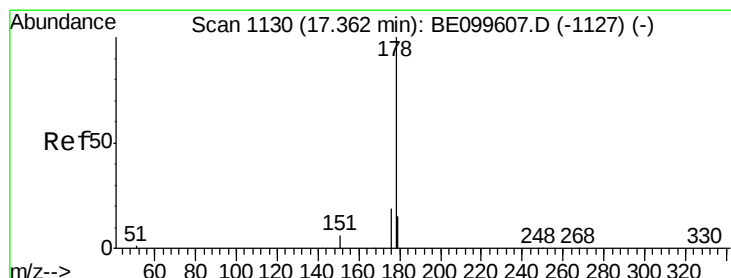
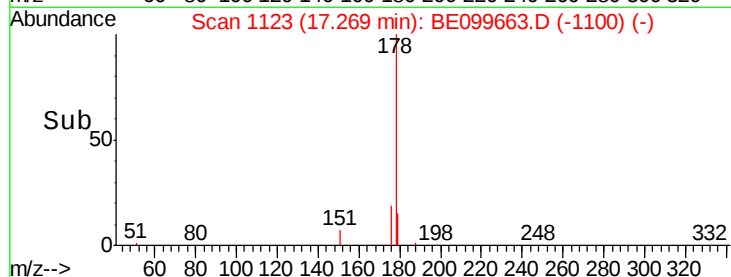
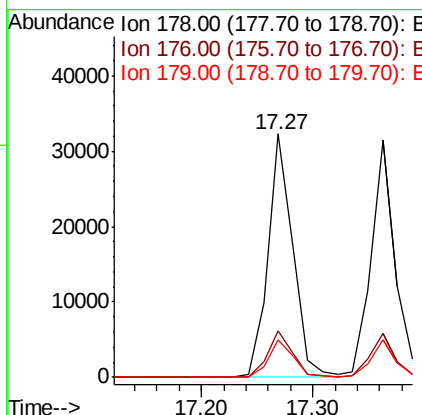
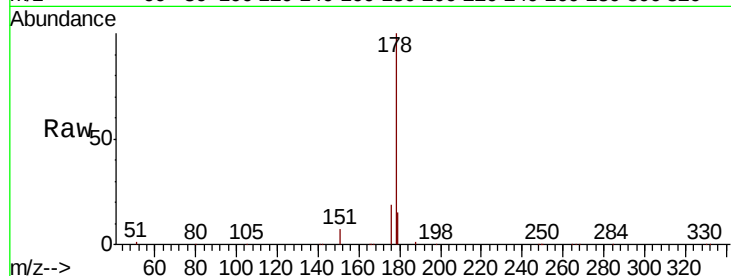




#23
Phenanthrene
Concen: 1.631 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

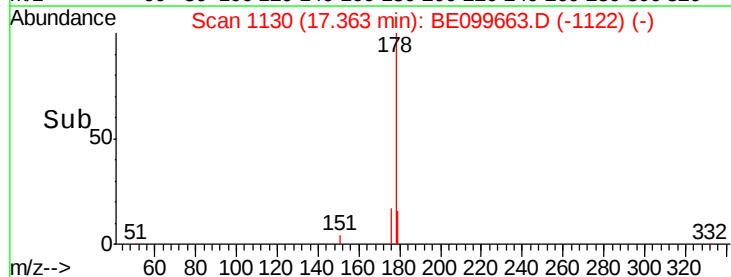
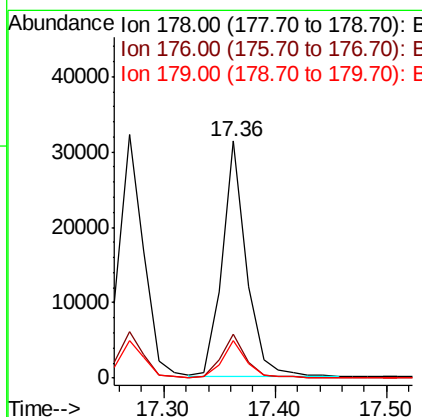
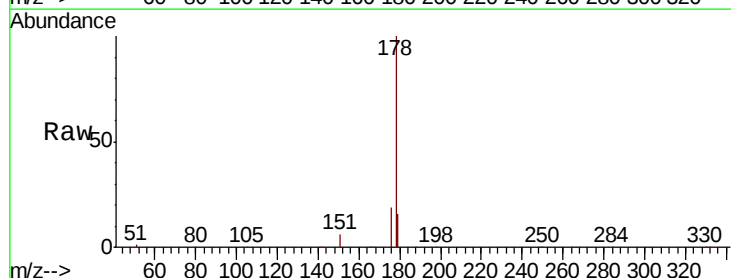
Instrument :
BNA_E
ClientSampleId :

Tot Ion:178 Resp: 50217
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.4 12.2 18.4



#24
Anthracene
Concen: 1.644 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

Tgt Ion:178 Resp: 46697
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.3 12.0 18.0





#25

Fluoranthene-d10

Concen: 1.697 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

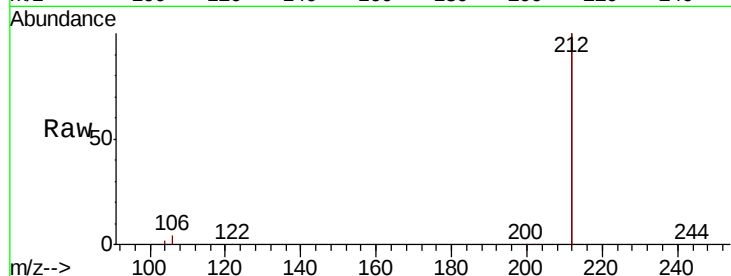
Tot Ion:212 Resp: 280012

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

104 1.0 0.8 1.2

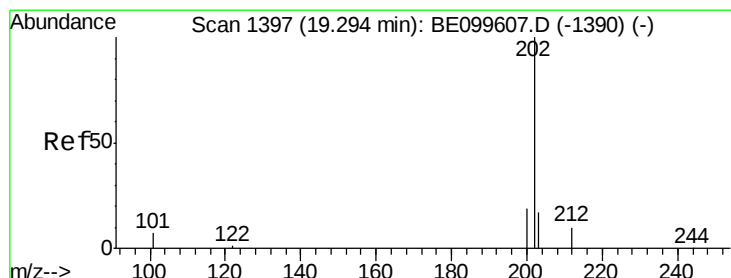
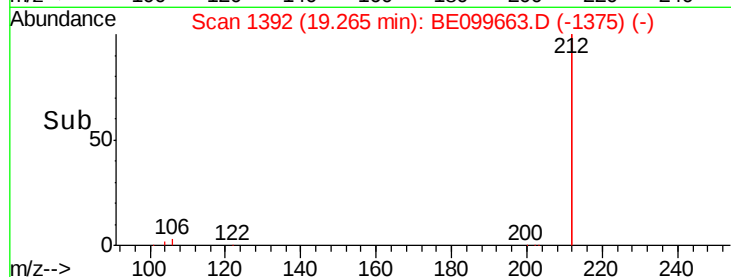
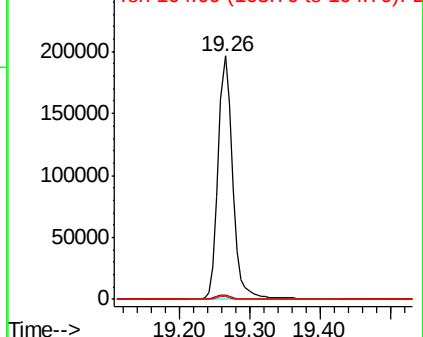


Abundance

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: 1.717 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

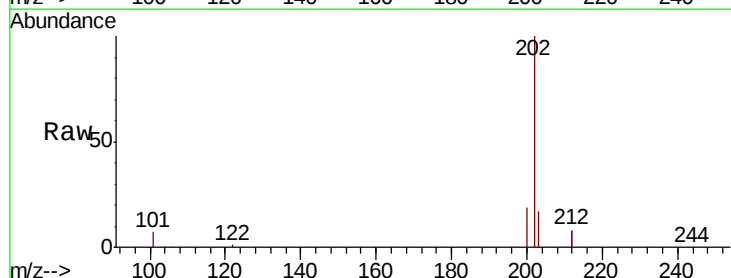
Tgt Ion:202 Resp: 79973

Ion Ratio Lower Upper

202 100

101 6.7 5.2 7.8

203 17.4 13.8 20.6

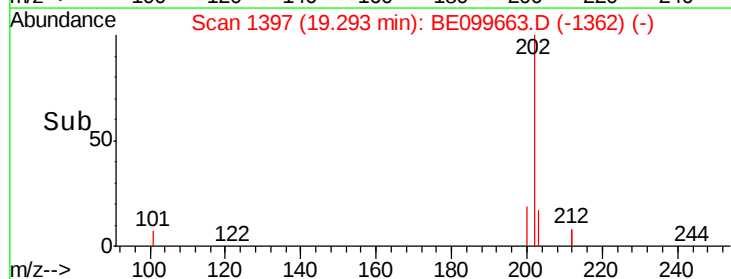
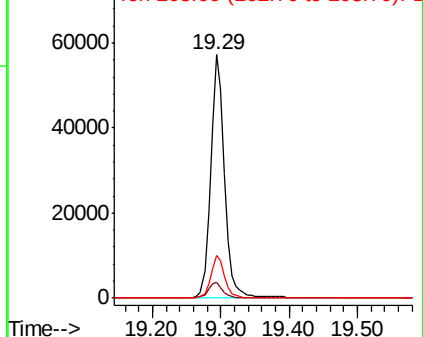


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

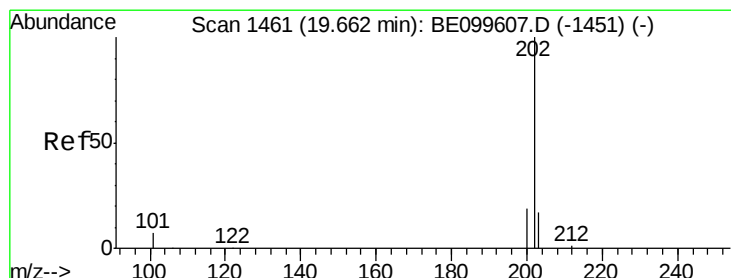
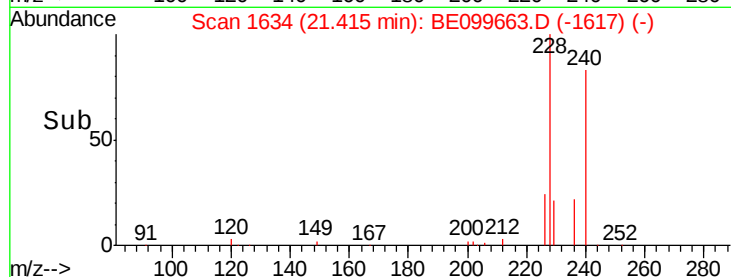
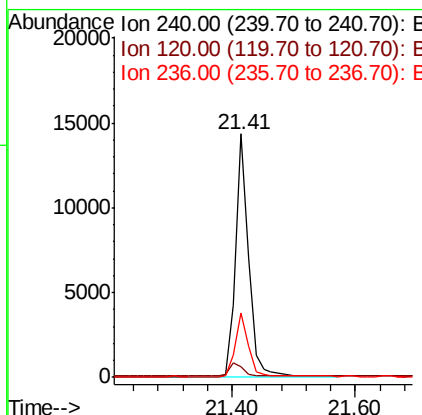
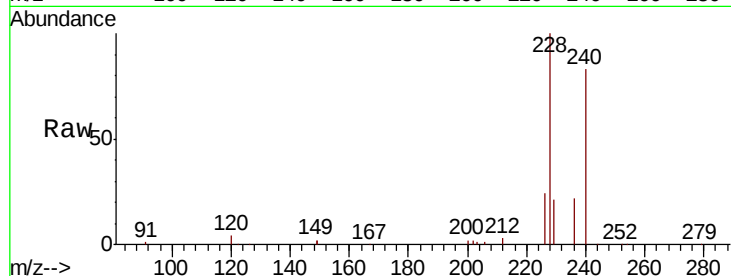




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099663.D
 Acq: 20 May 2019 13:38

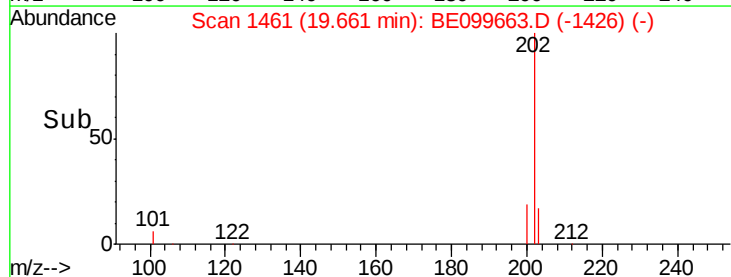
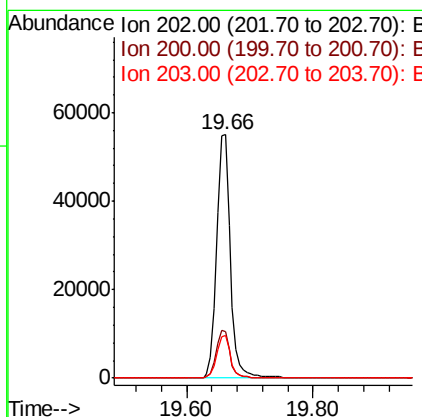
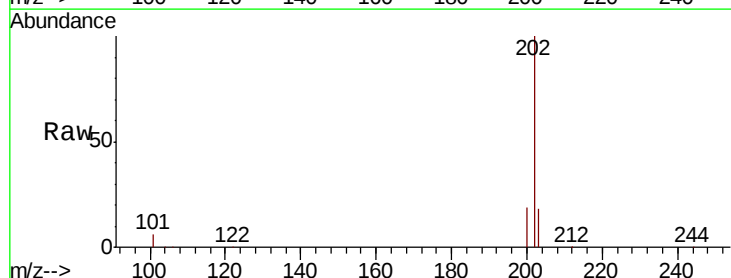
Instrument :
 BNA_E
 ClientSampleId :

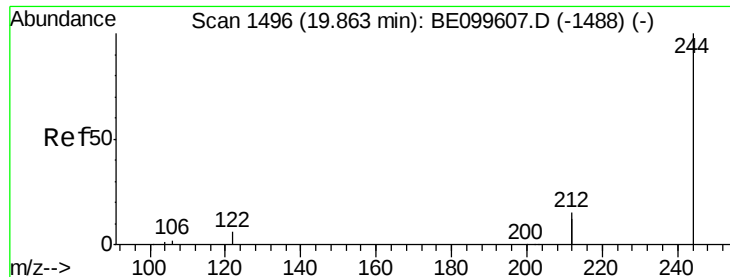
Tot Ion:240 Resp: 20542
 Ion Ratio Lower Upper
 240 100
 120 4.6 5.4 8.0#
 236 26.7 21.7 32.5



#28
 Pyrene
 Concen: 1.559 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BE099663.D
 Acq: 20 May 2019 13:38

Tgt Ion:202 Resp: 81639
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.4 23.2
 203 17.5 13.8 20.8





#29

Terphenyl-d14

Concen: 1.594 ng

RT: 19.86 min Scan# 1496

Delta R.T. -0.01 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampled :

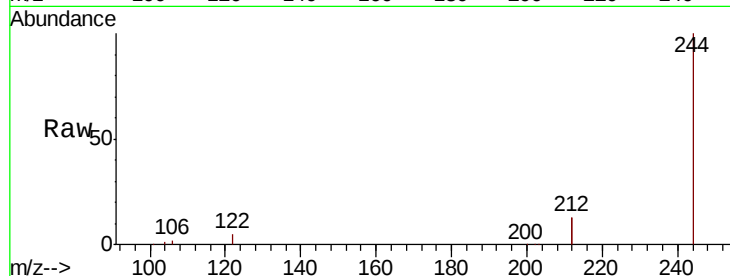
Tot Ion:244 Resp: 58928

Ion Ratio Lower Upper

244 100

212 26.1 22.5 33.7

122 5.3 4.3 6.5

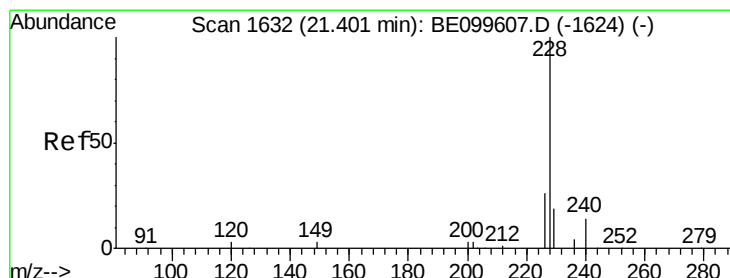
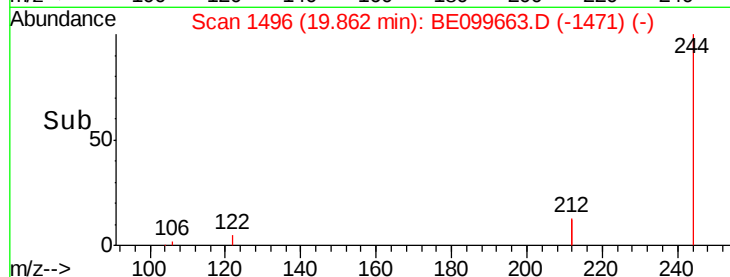
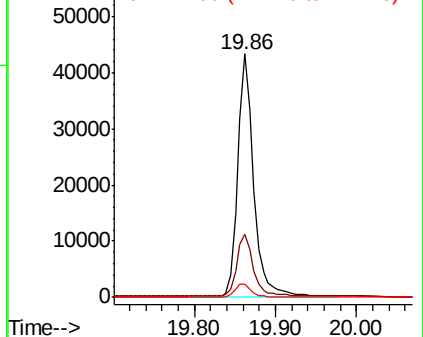


Abundance

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



#30

Benzo(a)anthracene

Concen: 1.558 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

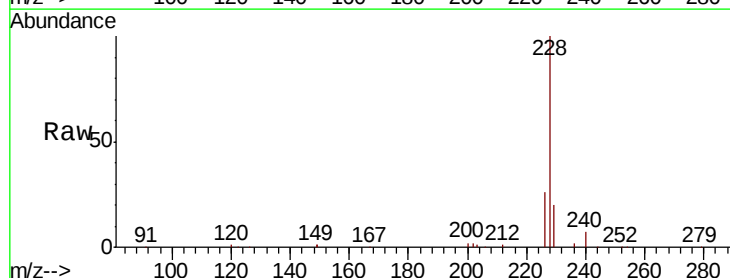
Tgt Ion:228 Resp: 96713

Ion Ratio Lower Upper

228 100

226 25.9 21.3 31.9

229 20.3 16.1 24.1

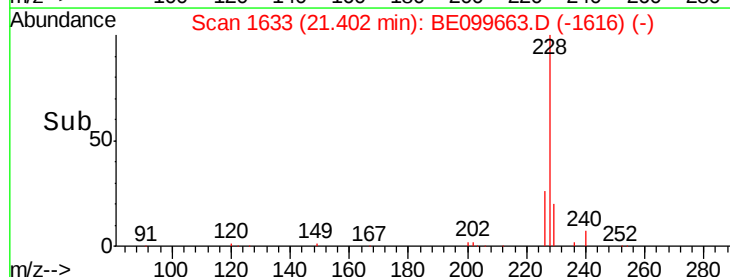
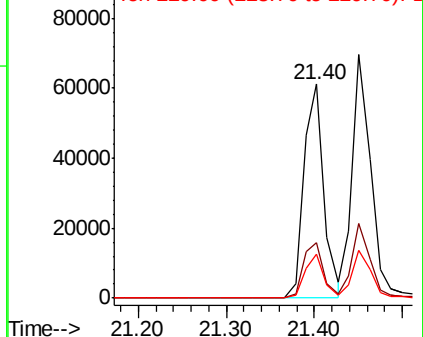


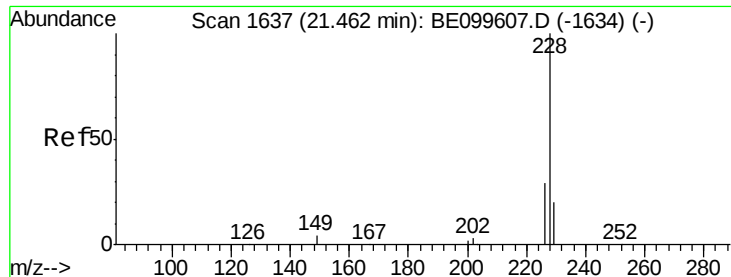
Abundance

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





#31

Chrysene

Concen: 1.571 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampled :

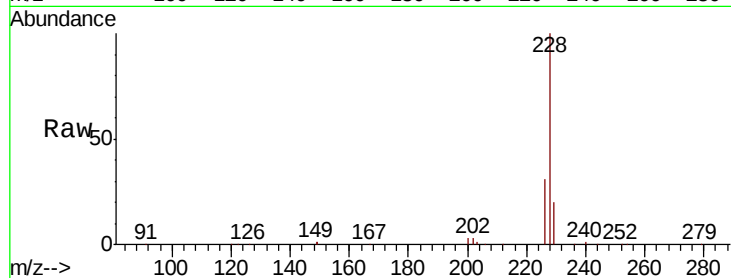
Tot Ion:228 Resp: 100467

Ion Ratio Lower Upper

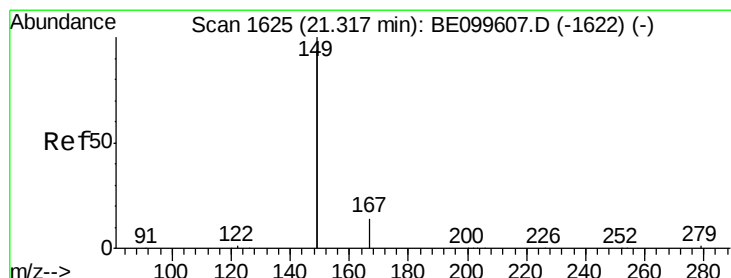
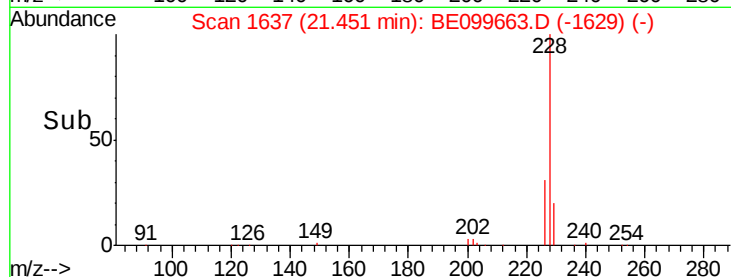
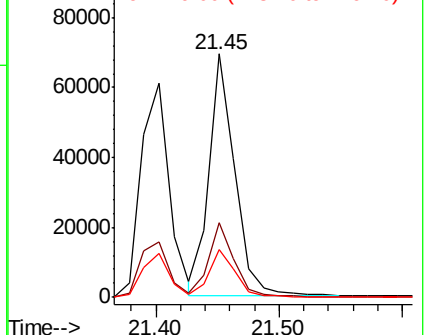
228 100

226 30.6 24.7 37.1

229 19.6 15.8 23.6



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: 1.095 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

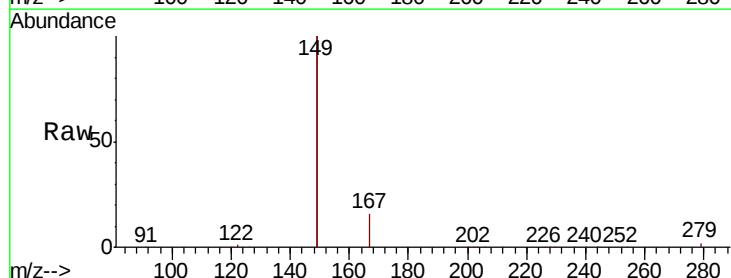
Tgt Ion:149 Resp: 104830

Ion Ratio Lower Upper

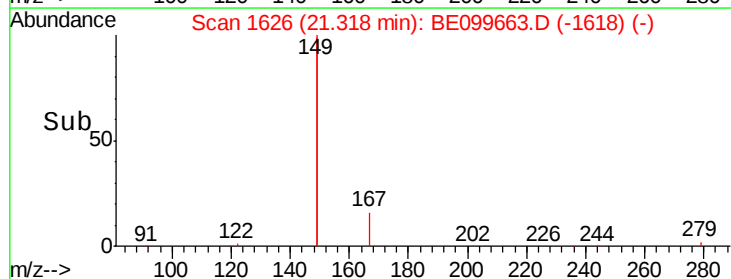
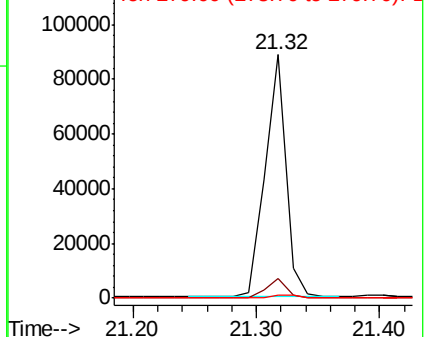
149 100

167 7.7 6.2 9.4

279 1.5 1.2 1.8



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

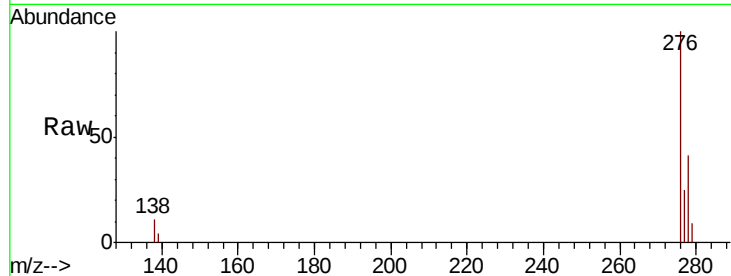




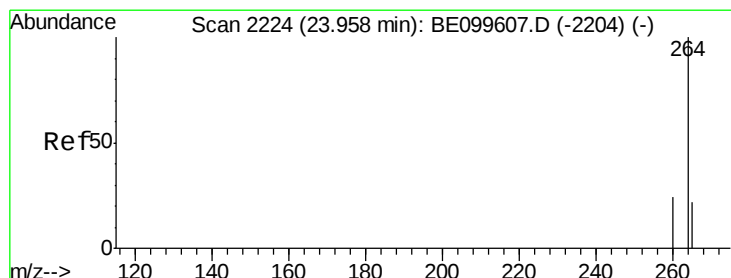
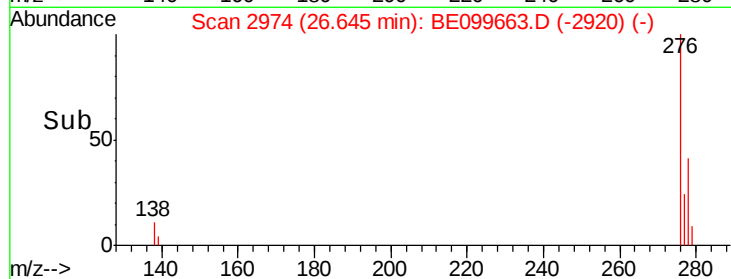
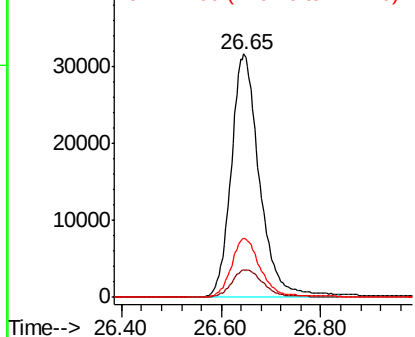
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.561 ng
RT: 26.65 min Scan# 2974
Delta R.T. -0.01 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

Instrument :
BNA_E
ClientSampleId :

Tot Ion:276 Resp: 124196
Ion Ratio Lower Upper
276 100
138 12.1 9.6 14.4
277 24.7 19.2 28.8

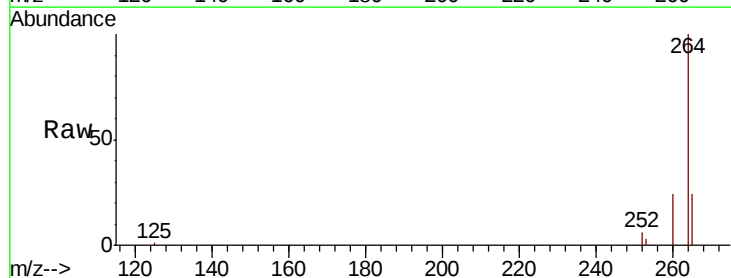


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

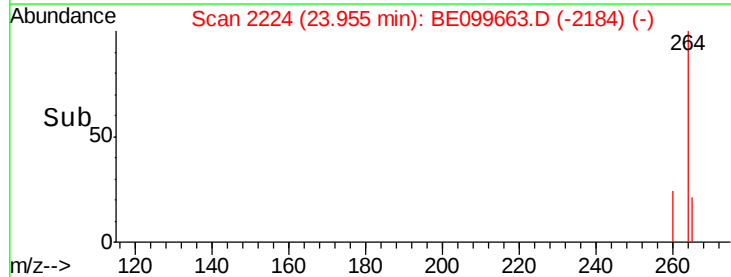
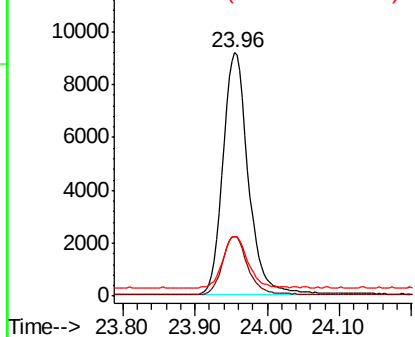


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BE099663.D
Acq: 20 May 2019 13:38

Tgt Ion:264 Resp: 22249
Ion Ratio Lower Upper
264 100
260 24.4 19.6 29.4
265 24.4 19.1 28.7



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: 1.603 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

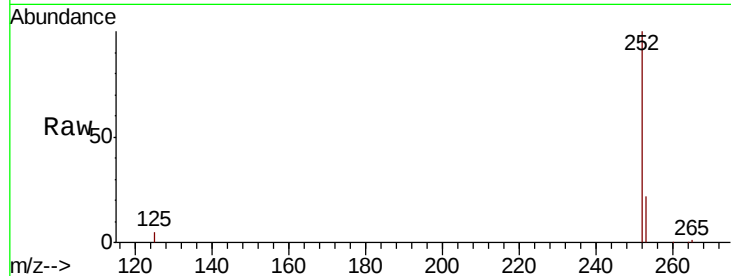
Tot Ion:252 Resp: 99731

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.4

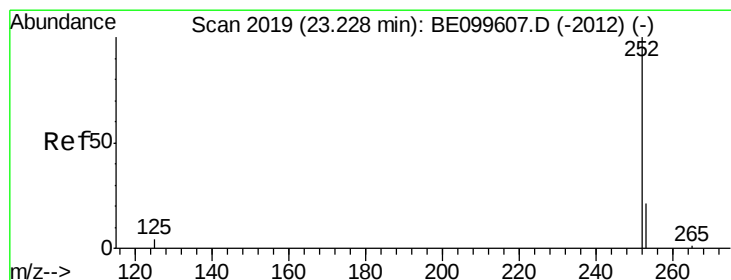
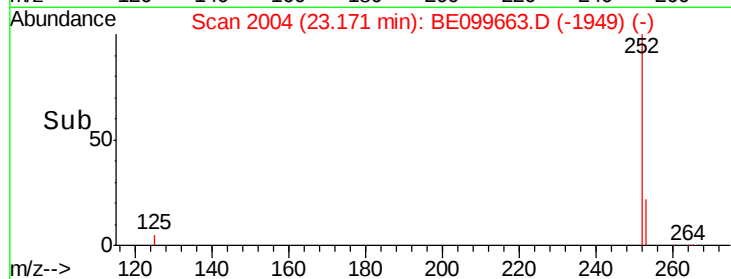
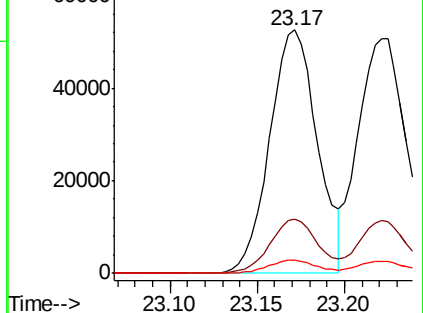
125 5.3 4.5 6.7



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: 1.693 ng

RT: 23.22 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

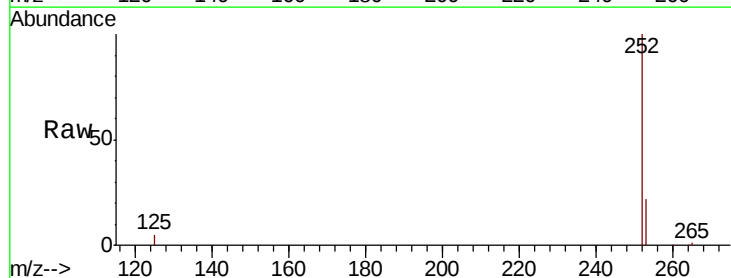
Tgt Ion:252 Resp: 104022

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

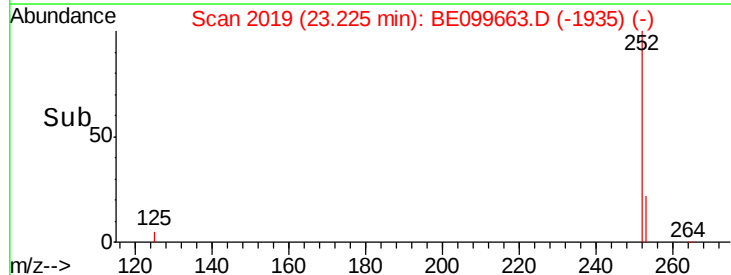
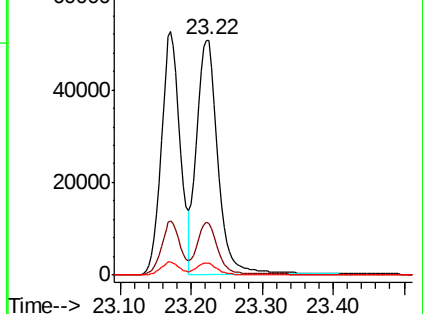
125 5.0 4.6 6.8



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: 1.597 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :

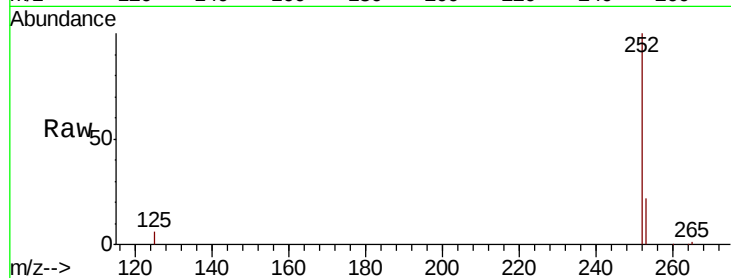
Tot Ion:252 Resp: 96211

Ion Ratio Lower Upper

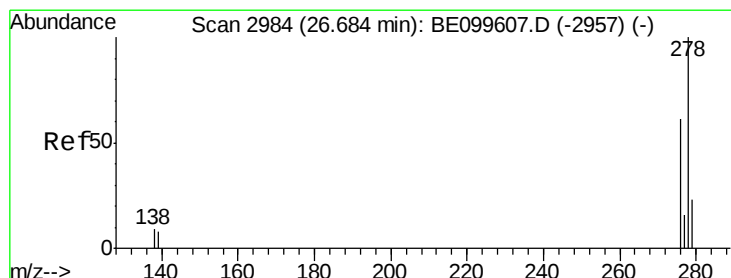
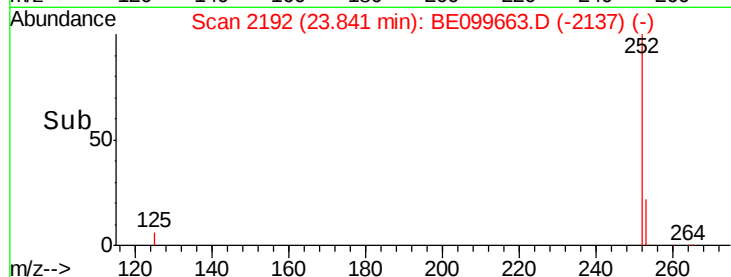
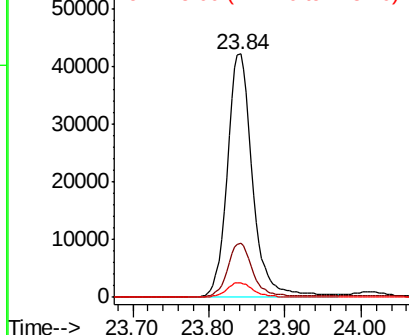
252 100

253 22.1 18.9 28.3

125 6.0 5.4 8.0



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: 1.640 ng

RT: 26.67 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BE099663.D

Acq: 20 May 2019 13:38

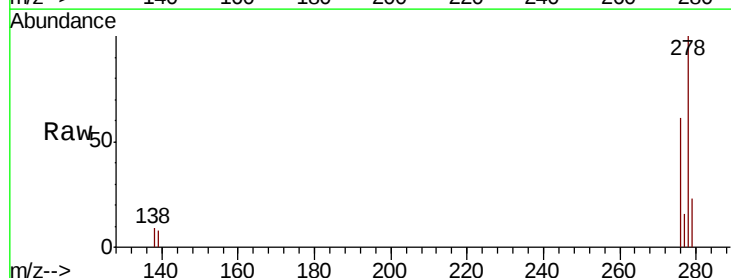
Tgt Ion:278 Resp: 102492

Ion Ratio Lower Upper

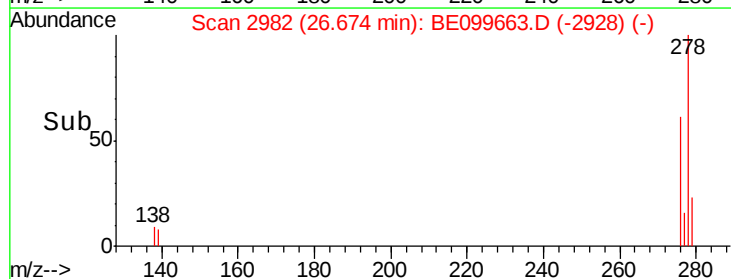
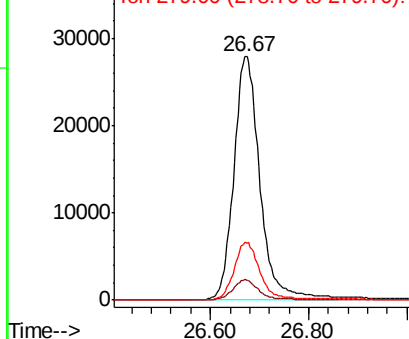
278 100

139 8.0 6.9 10.3

279 23.4 19.2 28.8



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: 1.633 ng

RT: 27.48 min Scan# 3208

Delta R.T. 0.00 min

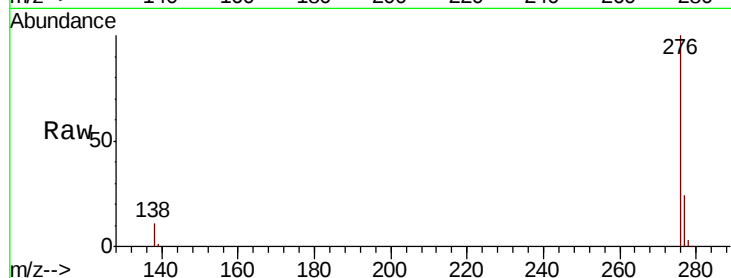
Lab File: BE099663.D

Acq: 20 May 2019 13:38

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 102620

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.6

138 10.8 9.2 13.8

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

