

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061419\
 Data File : BE100042.D
 Acq On : 15 Jun 2019 2:33
 Operator : JU/SJ
 Sample : K3315-04MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE104D2-20190607MSD

Quant Time: Jun 15 05:08:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 10 14:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	870	0.40	ng	-0.01
7) Naphthalene-d8	10.59	136	3076	0.40	ng	-0.01
13) Acenaphthene-d10	14.46	164	2337	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	6456	0.40	ng	0.00
27) Chrysene-d12	21.39	240	8436	0.40	ng	-0.01
34) Perylene-d12	23.92	264	9494	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	403	0.17	ng	0.00
5) Phenol-d6	6.97	99	307	0.10	ng	0.00
8) Nitrobenzene-d5	8.95	82	1310	0.45	ng	-0.01
11) 2-Methylnaphthalene-d10	12.19	152	3048	0.57	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	560	0.32	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	4099	0.46	ng	-0.01
25) Fluoranthene-d10	19.24	212	32902	0.35	ng	-0.01
29) Terphenyl-d14	19.84	244	9059	0.60	ng	-0.01

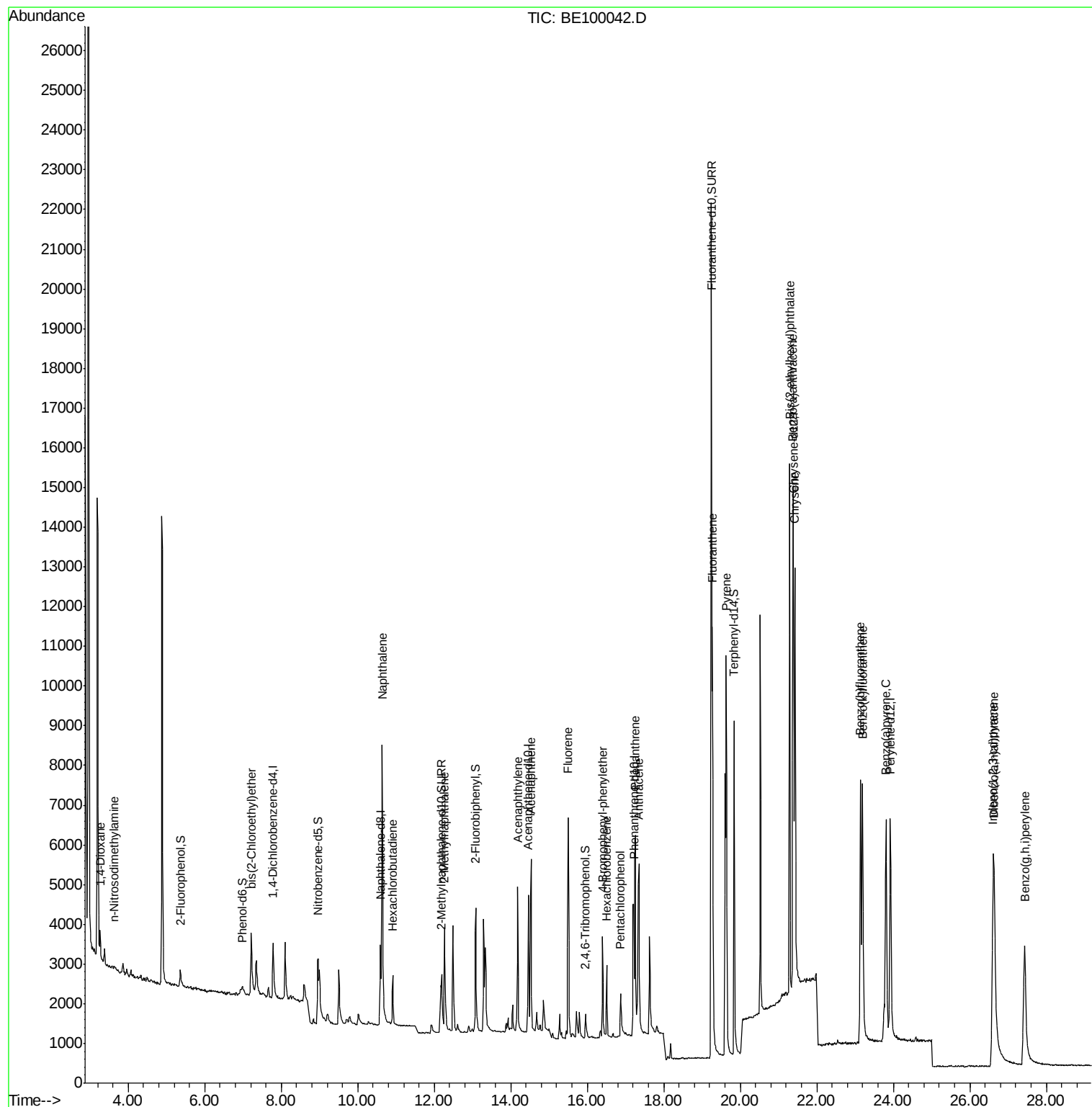
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.27	88	533	0.414	ng	# 87
3) n-Nitrosodimethylamine	3.62	42	78	0.105	ng	# 100
6) bis(2-Chloroethyl)ether	7.22	93	1075	0.435	ng	98
9) Naphthalene	10.64	128	13747	0.414	ng	99
10) Hexachlorobutadiene	10.91	225	971	0.383	ng	97
12) 2-Methylnaphthalene	12.27	142	2286	0.424	ng	98
16) Acenaphthylene	14.18	152	4580	0.394	ng	98
17) Acenaphthene	14.53	154	2503	0.395	ng	99
18) Fluorene	15.50	166	3678	0.387	ng	97
20) 4-Bromophenyl-phenylether	16.40	248	1602	0.438	ng	96
21) Hexachlorobenzene	16.50	284	1576	0.422	ng	98
22) Pentachlorophenol	16.87	266	957	0.832	ng	86
23) Phenanthrene	17.25	178	6687	0.427	ng	100
24) Anthracene	17.35	178	5940	0.414	ng	98
26) Fluoranthene	19.27	202	10360	0.389	ng	99
28) Pyrene	19.64	202	10574	0.477	ng	99
30) Benzo(a)anthracene	21.38	228	11135	0.442	ng	98
31) Chrysene	21.43	228	11825	0.454	ng	99
32) Bis(2-ethylhexyl)phthalate	21.29	149	16997	0.470	ng	100
33) Indeno(1,2,3-cd)pyrene	26.60	276	12416	0.402	ng	97
35) Benzo(b)fluoranthene	23.14	252	10681	0.401	ng	97
36) Benzo(k)fluoranthene	23.19	252	12191	0.438	ng	98
37) Benzo(a)pyrene	23.81	252	10911	0.416	ng	# 97
38) Dibenzo(a,h)anthracene	26.64	278	10171	0.385	ng	# 94
39) Benzo(g,h,i)perylene	27.44	276	10840	0.397	ng	98

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

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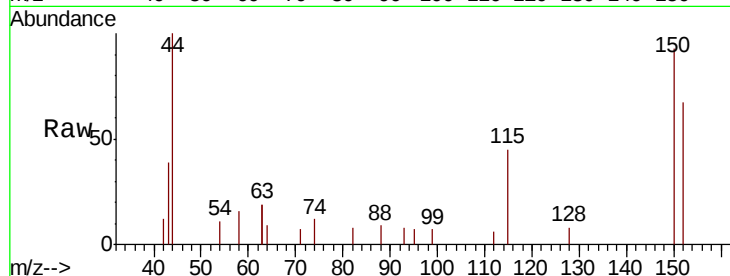


#1

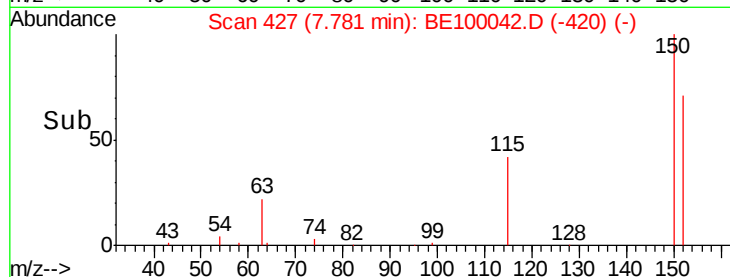
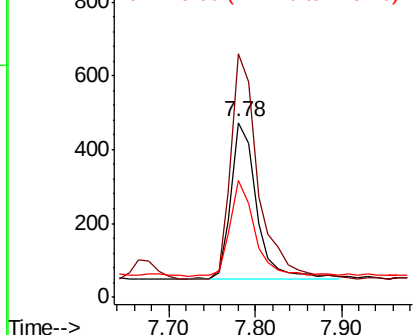
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.78 min Scan# 427
Delta R.T. -0.01 min
Lab File: BE100042.D
Acq: 15 Jun 2019 2:33

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MSD

Tgt Ion: 152 Resp: 870
Ion Ratio Lower Upper
152 100
150 139.0 111.0 166.6
115 66.5 50.7 76.1



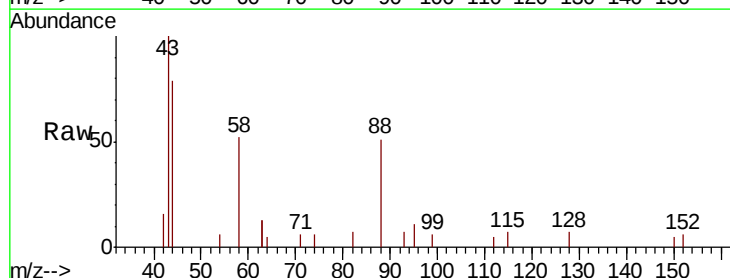
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



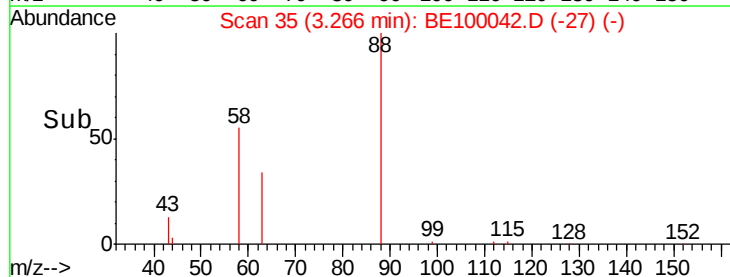
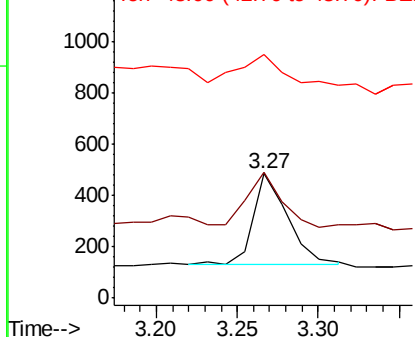
#2

1,4-Dioxane
Concen: 0.414 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE100042.D
Acq: 15 Jun 2019 2:33

Tgt Ion: 88 Resp: 533
Ion Ratio Lower Upper
88 100
58 57.6 48.8 73.2
43 40.9 19.0 28.6#



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.105 ng

RT: 3.62 min Scan# 66

Delta R.T. 0.02 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

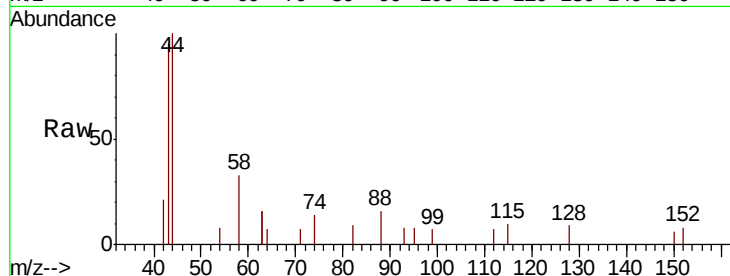
Tgt Ion: 42 Resp: 78

Ion Ratio Lower Upper

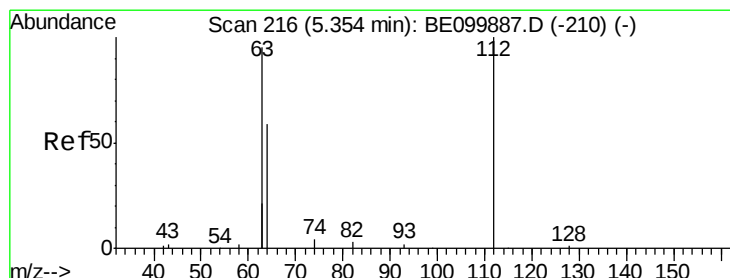
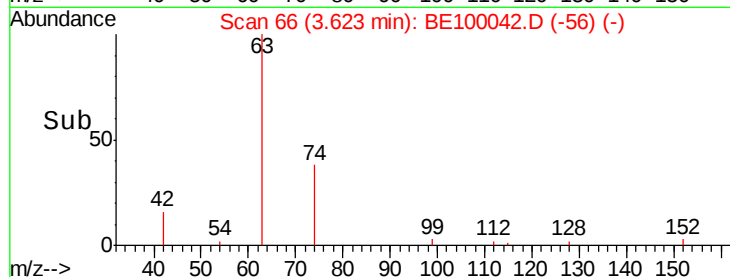
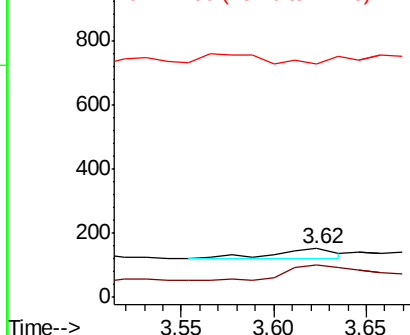
42 100

74 141.0 0.0 0.0#

44 0.0 0.0 0.0



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.172 ng

RT: 5.36 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

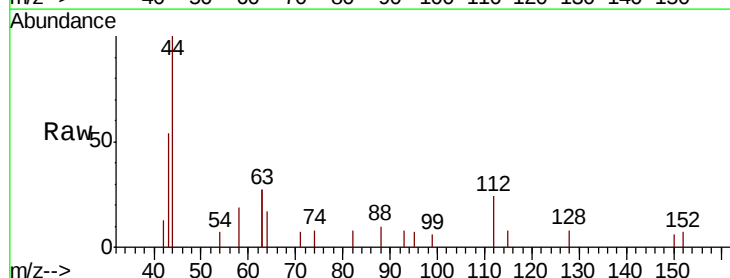
Tgt Ion: 112 Resp: 403

Ion Ratio Lower Upper

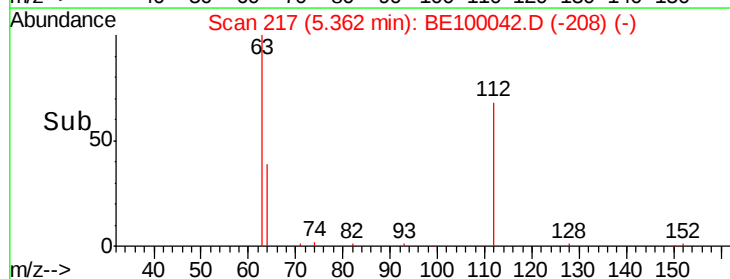
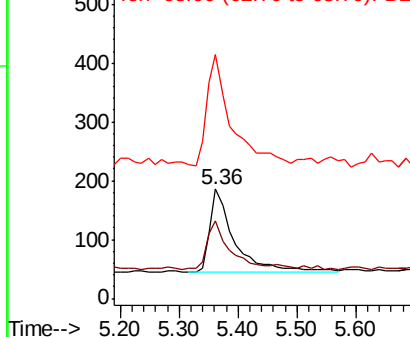
112 100

64 52.6 44.1 66.1

63 130.8 87.8 131.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.102 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

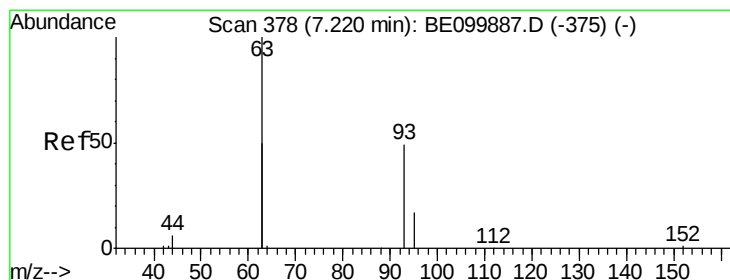
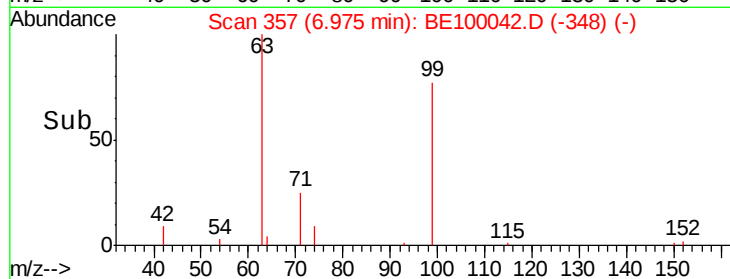
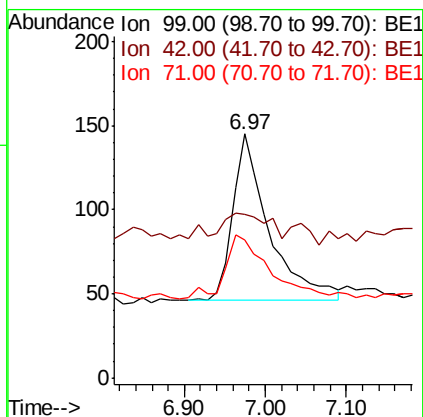
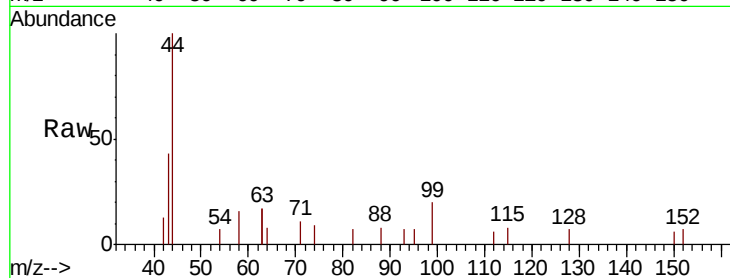
Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

Tgt Ion:	99	Resp:	307
Ion	Ratio	Lower	Upper
99	100		
42	17.3	15.9	23.9
71	46.9	34.6	52.0



#6

bis(2-Chloroethyl)ether

Concen: 0.435 ng

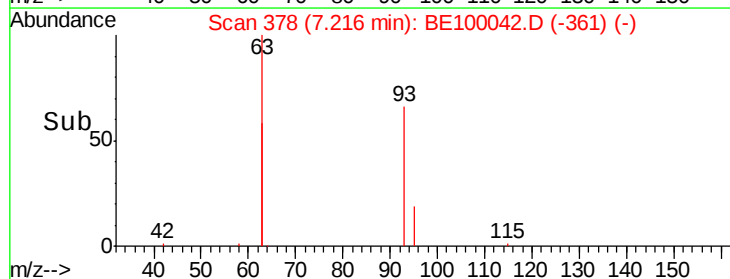
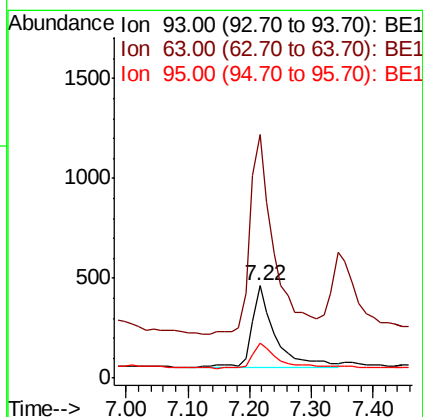
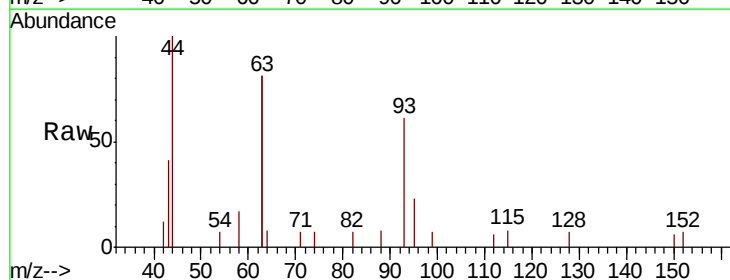
RT: 7.22 min Scan# 378

Delta R.T. -0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Tgt Ion:	93	Resp:	1075
Ion	Ratio	Lower	Upper
93	100		
63	256.0	202.8	304.2
95	34.1	23.7	35.5





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.59 min Scan# 648

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

Tgt Ion: 136 Resp: 3076

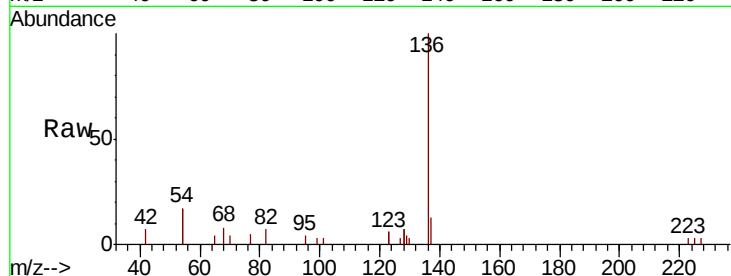
Ion Ratio Lower Upper

136 100

137 13.5 12.3 18.5

54 34.3 28.2 42.4

68 8.1 7.8 11.8

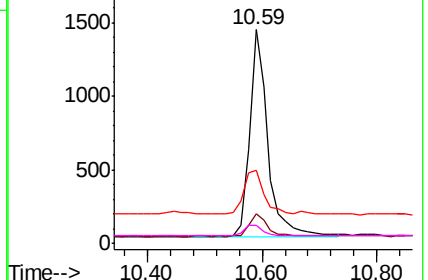
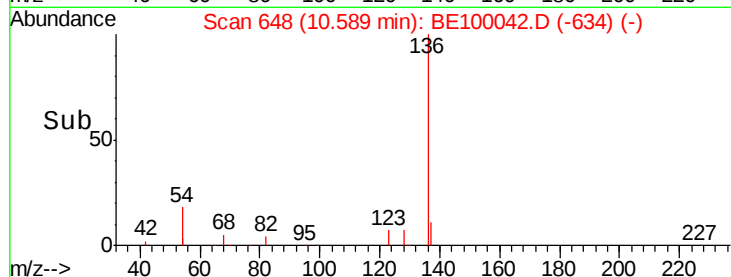


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.450 ng

RT: 8.95 min Scan# 522

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

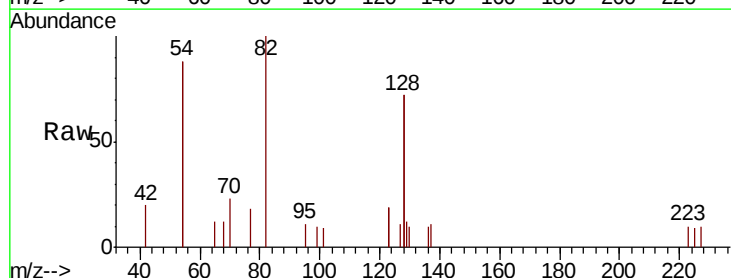
Tgt Ion: 82 Resp: 1310

Ion Ratio Lower Upper

82 100

128 143.2 137.3 205.9

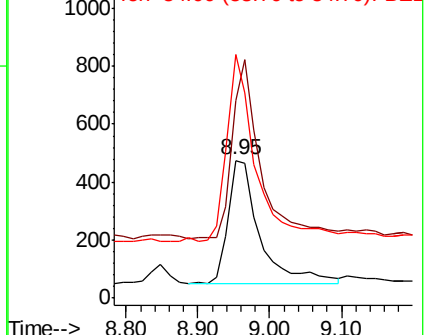
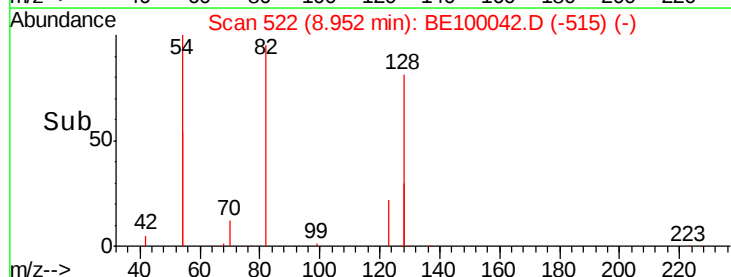
54 176.8 129.7 194.5

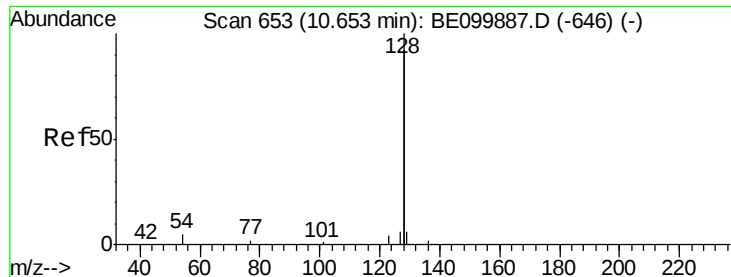


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.414 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

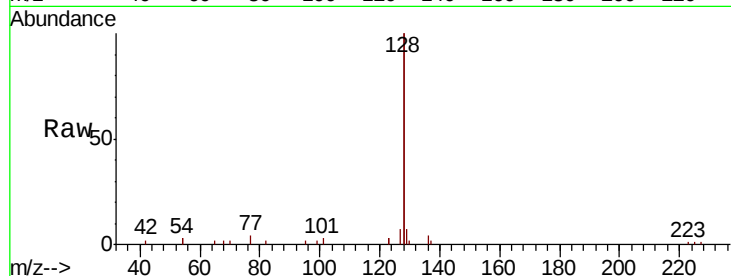
Tgt Ion:128 Resp: 13747

Ion Ratio Lower Upper

128 100

129 3.4 3.0 4.6

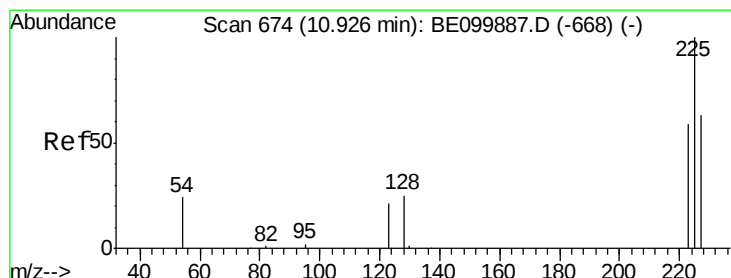
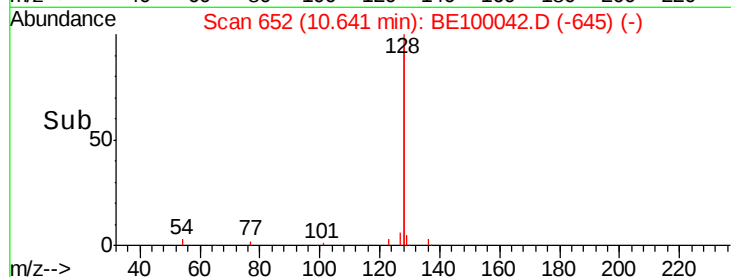
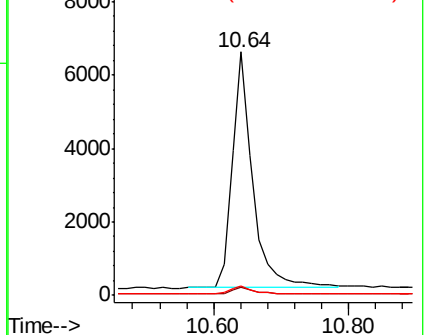
127 3.7 3.4 5.0



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: 0.383 ng

RT: 10.91 min Scan# 673

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

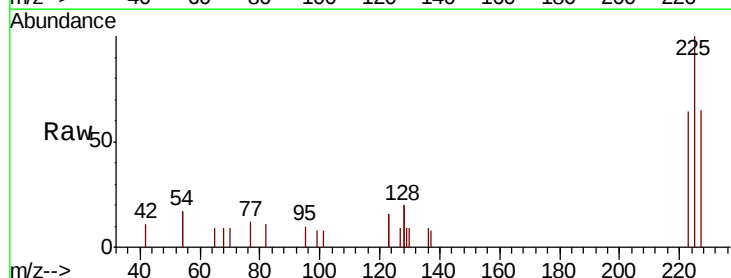
Tgt Ion:225 Resp: 971

Ion Ratio Lower Upper

225 100

223 60.9 51.6 77.4

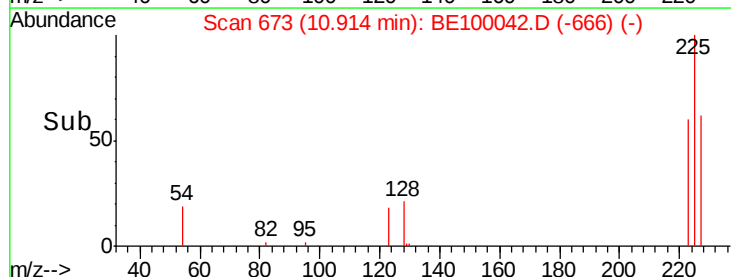
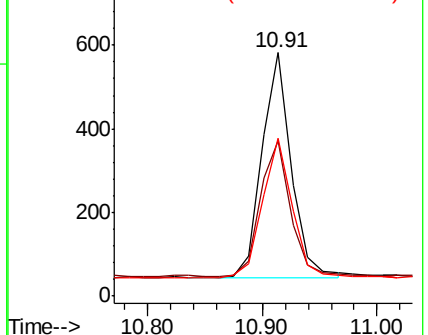
227 61.6 50.6 76.0

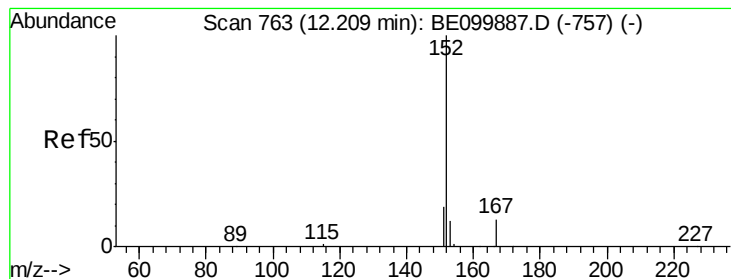


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.568 ng

RT: 12.19 min Scan# 762

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

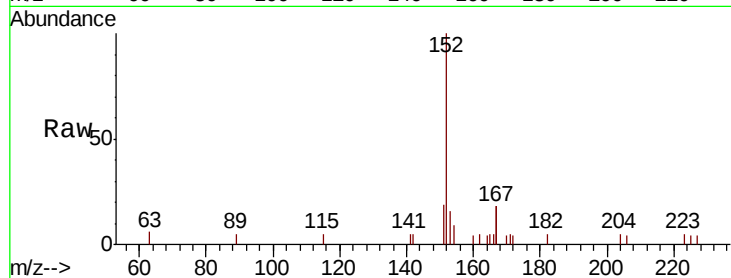
RE104D2-20190607MSD

Tgt Ion:152 Resp: 3048

Ion Ratio Lower Upper

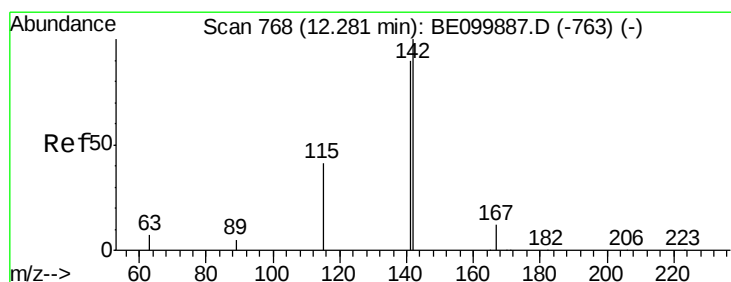
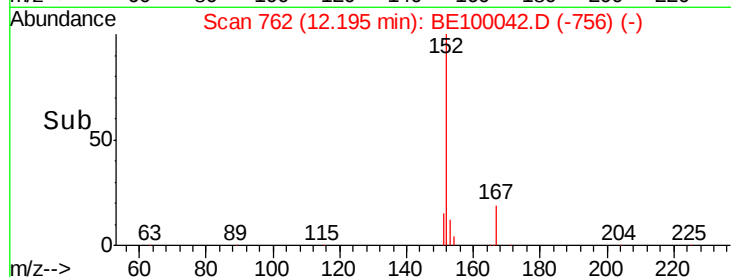
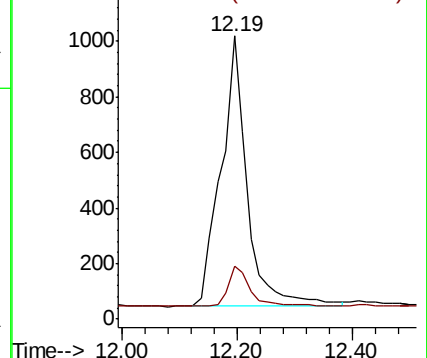
152 100

151 12.4 15.2 22.8#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.424 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

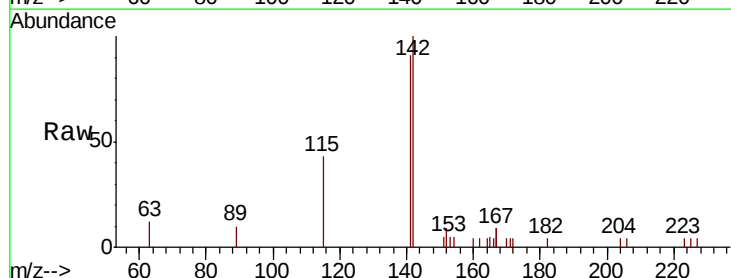
Tgt Ion:142 Resp: 2286

Ion Ratio Lower Upper

142 100

141 91.5 72.3 108.5

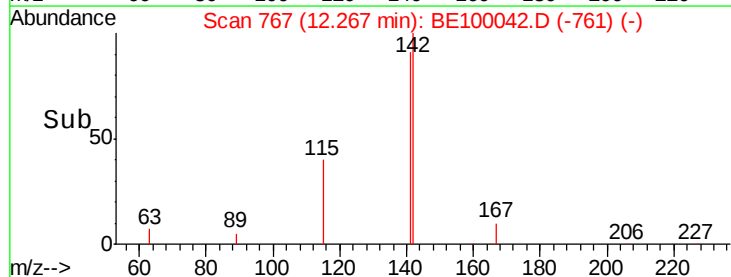
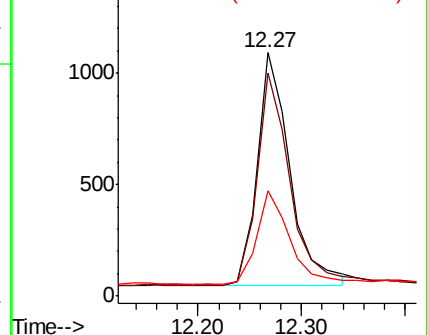
115 43.5 36.4 54.6



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

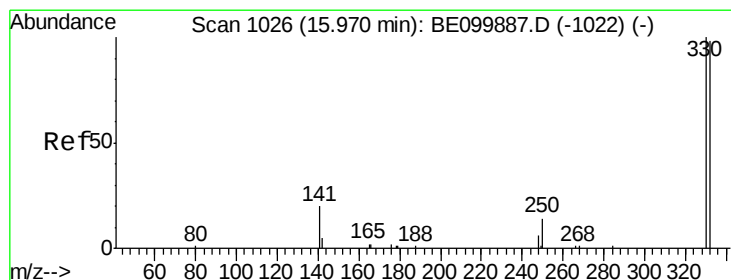
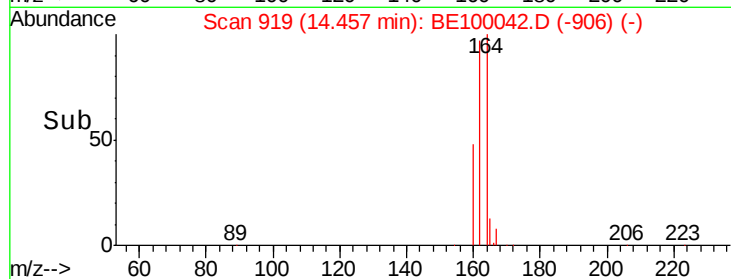
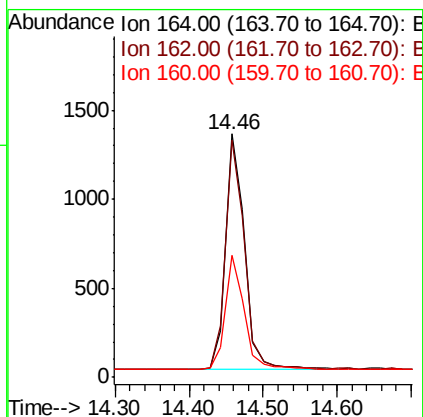
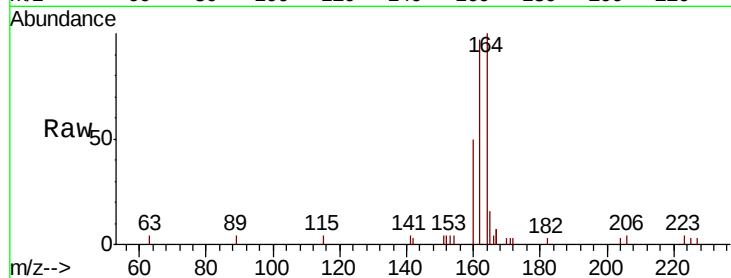




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.46 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: BE100042.D
 Acq: 15 Jun 2019 2:33

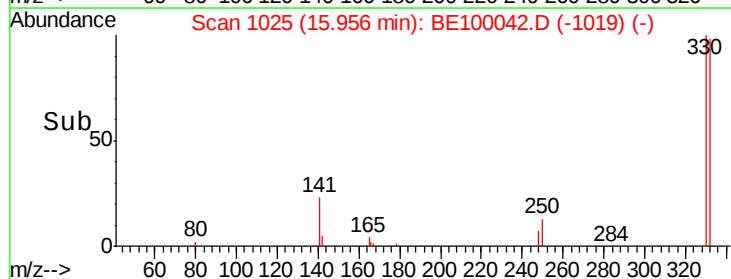
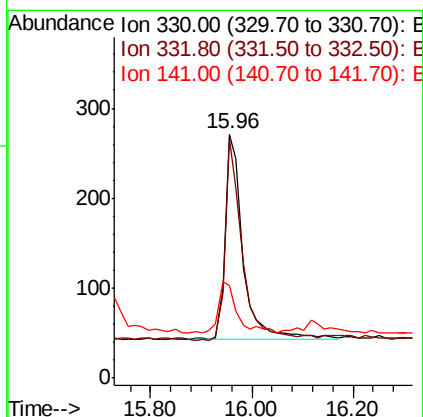
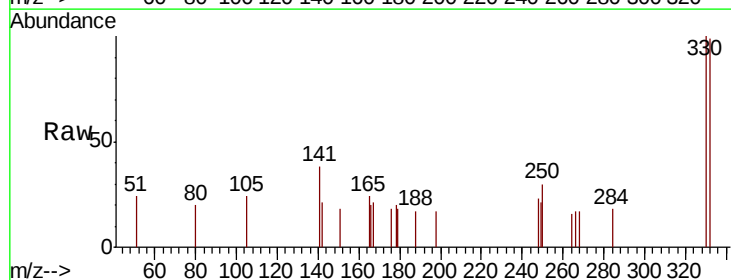
Instrument :
 BNA_E
 ClientSampleId :
 RE104D2-20190607MSD

Tgt Ion:164 Resp: 2337
 Ion Ratio Lower Upper
 164 100
 162 97.2 77.8 116.8
 160 50.3 38.2 57.4



#14
 2,4,6-Tribromophenol
 Concen: 0.324 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.01 min
 Lab File: BE100042.D
 Acq: 15 Jun 2019 2:33

Tgt Ion:330 Resp: 560
 Ion Ratio Lower Upper
 330 100
 332 92.9 76.7 115.1
 141 25.7 21.0 31.6

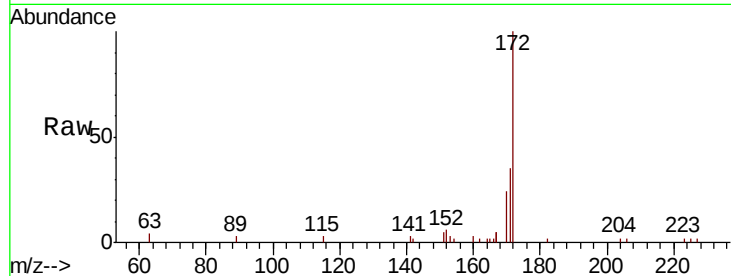




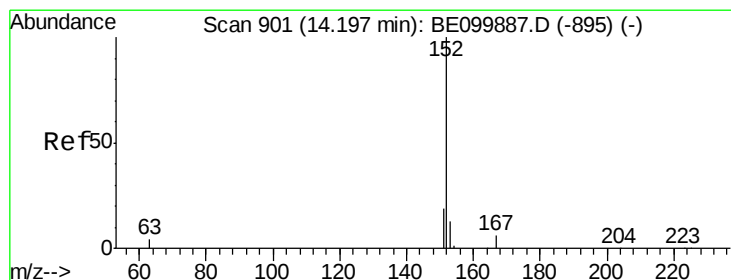
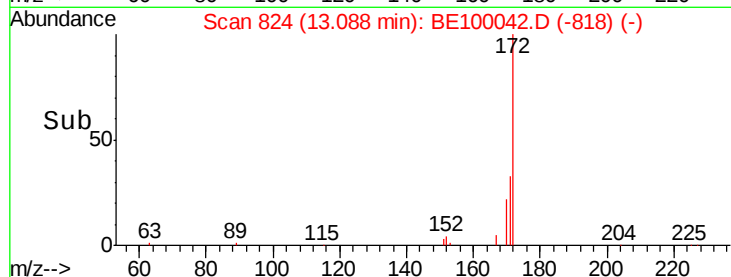
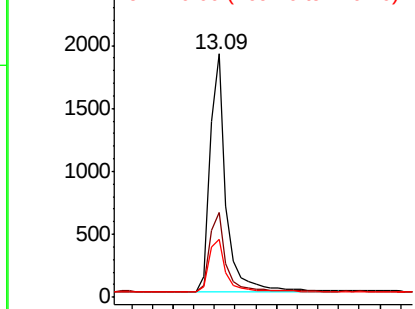
#15
2-Fluorobiphenyl
Concen: 0.463 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE100042.D
Acq: 15 Jun 2019 2:33

Instrument :
BNA_E
ClientSampleId :
RE104D2-20190607MSD

Tgt Ion:172 Resp: 4099
Ion Ratio Lower Upper
172 100
171 35.0 29.2 43.8
170 24.0 21.2 31.8

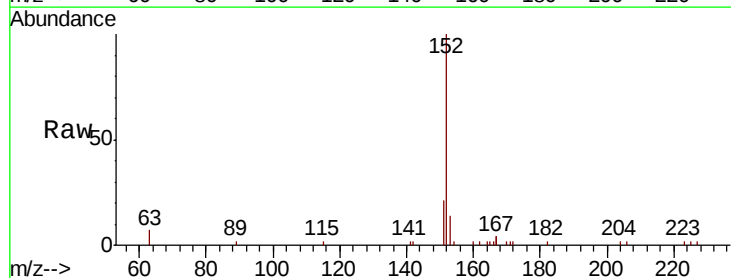


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

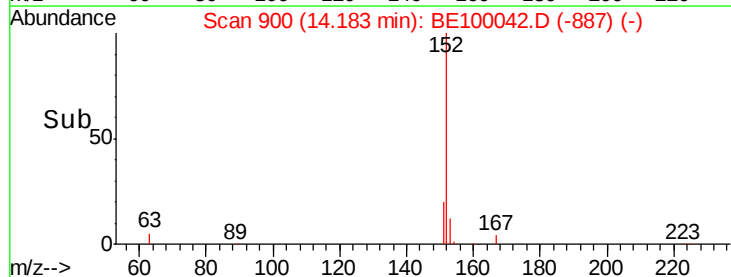
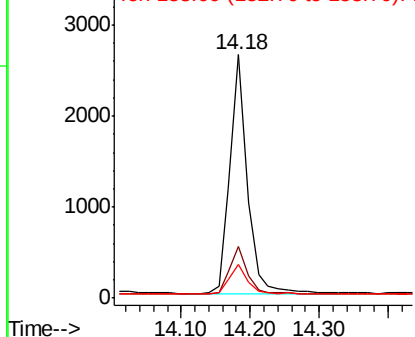


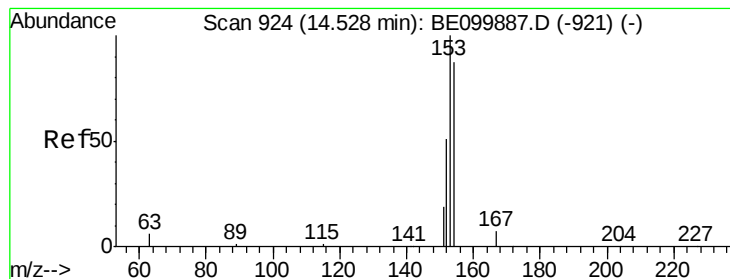
#16
Acenaphthylene
Concen: 0.394 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE100042.D
Acq: 15 Jun 2019 2:33

Tgt Ion:152 Resp: 4580
Ion Ratio Lower Upper
152 100
151 20.4 15.5 23.3
153 13.1 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.395 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

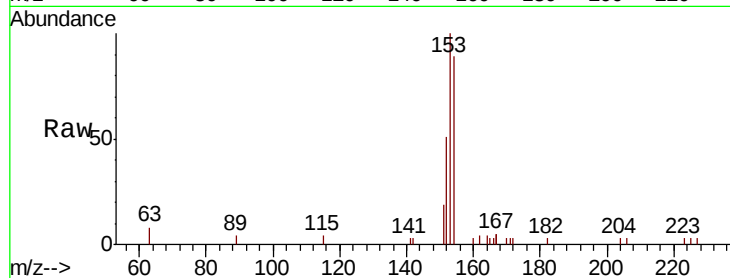
Tgt Ion:154 Resp: 2503

Ion Ratio Lower Upper

154 100

153 115.6 93.1 139.7

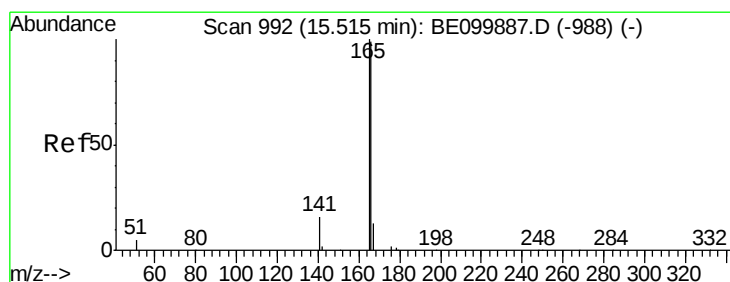
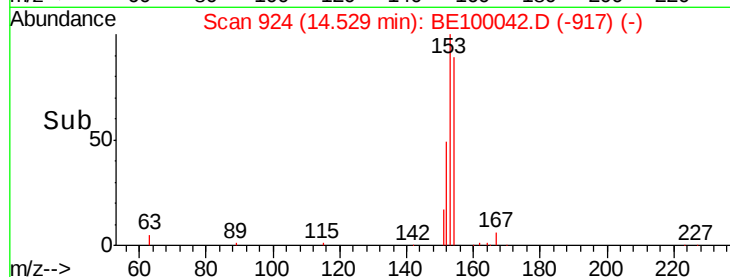
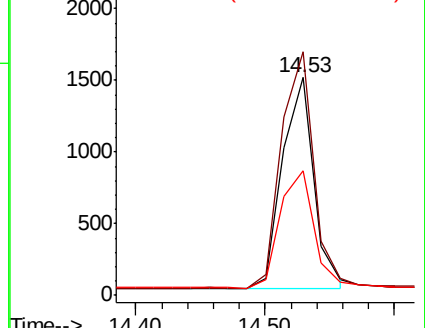
152 59.4 47.0 70.4



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: 0.387 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

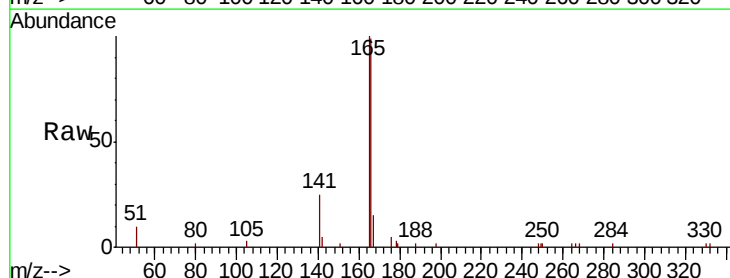
Tgt Ion:166 Resp: 3678

Ion Ratio Lower Upper

166 100

165 99.5 81.8 122.8

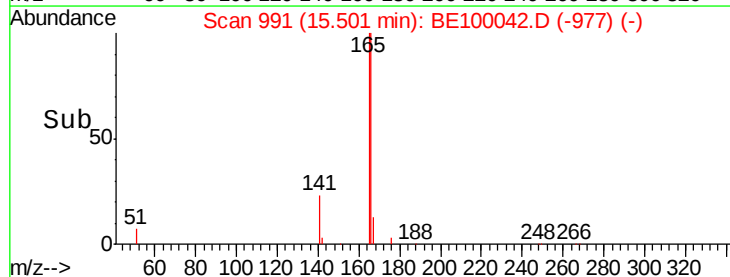
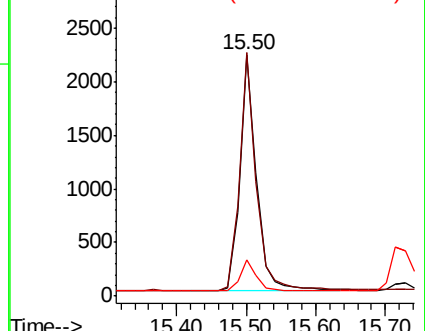
167 13.6 11.2 16.8

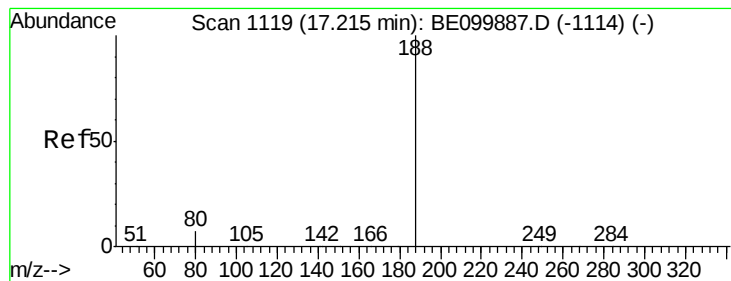


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

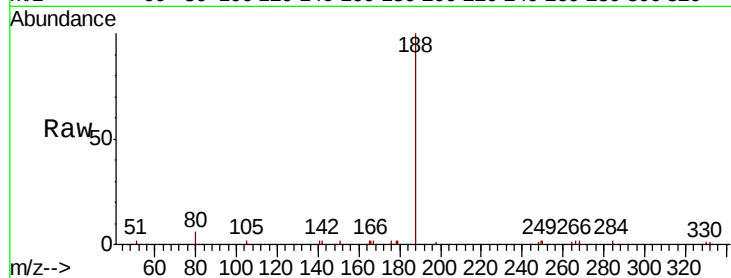
Tgt Ion:188 Resp: 6456

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

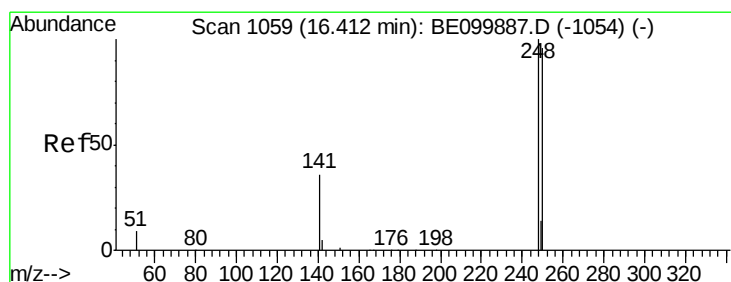
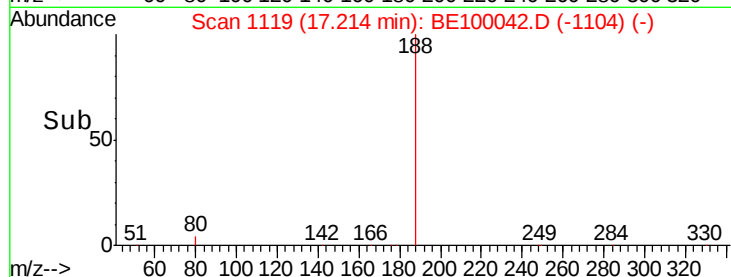
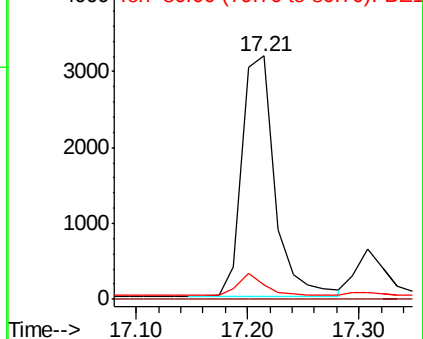
80 5.8 6.4 9.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.438 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

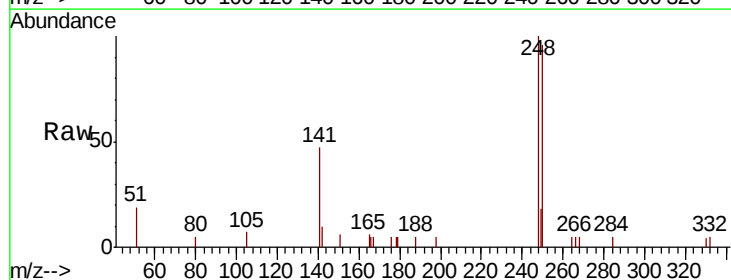
Tgt Ion:248 Resp: 1602

Ion Ratio Lower Upper

248 100

250 95.8 77.5 116.3

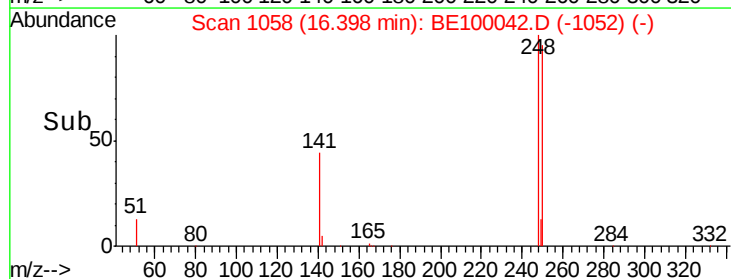
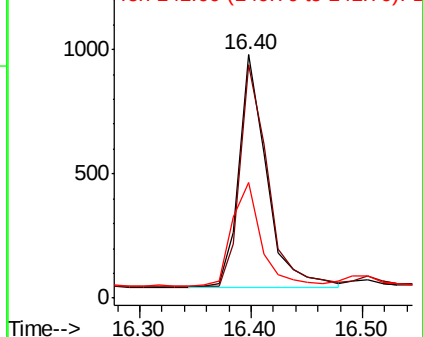
141 47.4 31.8 47.8

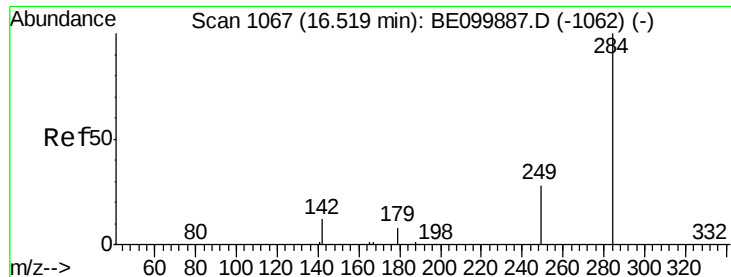


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.422 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

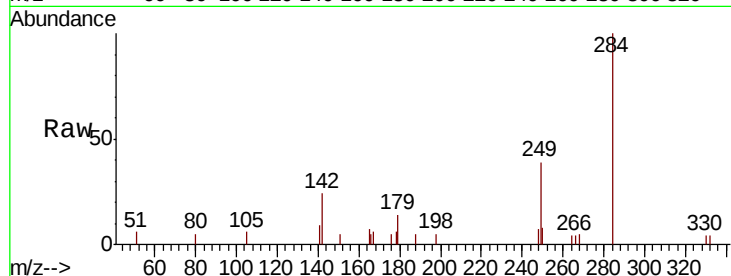
Tgt Ion:284 Resp: 1576

Ion Ratio Lower Upper

284 100

142 23.2 18.2 27.4

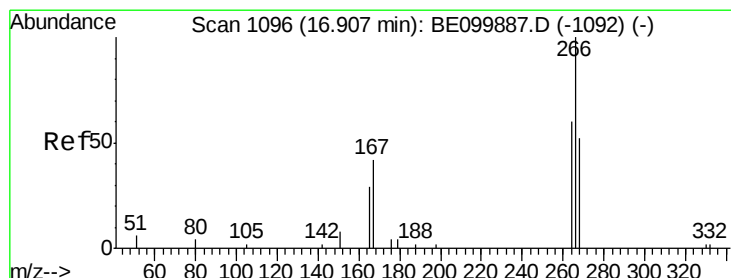
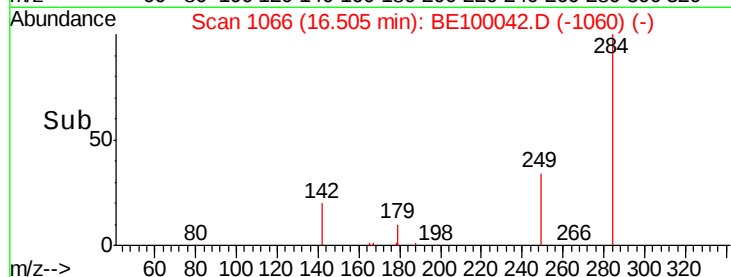
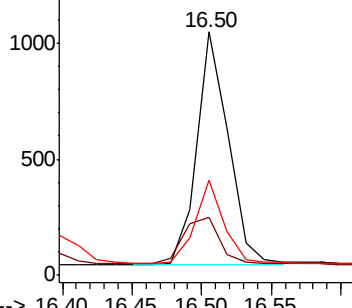
249 32.7 24.6 37.0



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: 0.832 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.04 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

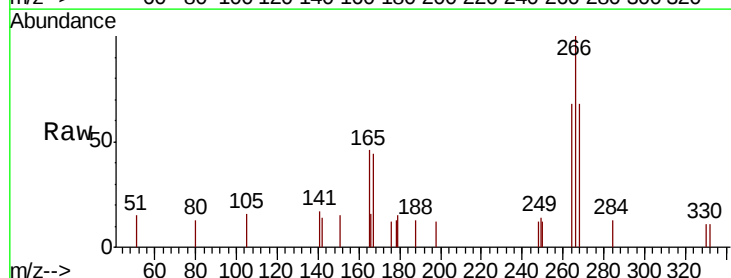
Tgt Ion:266 Resp: 957

Ion Ratio Lower Upper

266 100

264 67.8 62.2 93.2

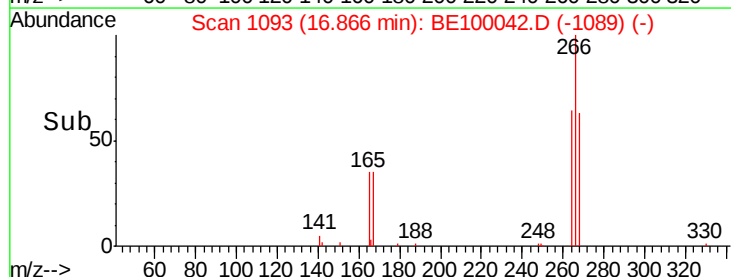
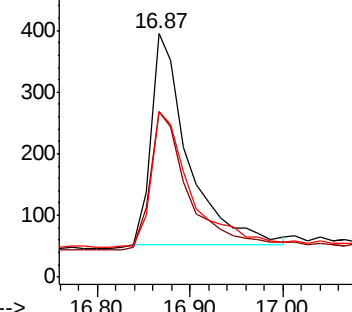
268 67.8 65.5 98.3

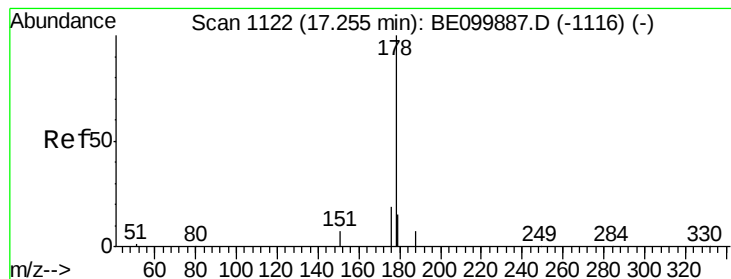


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.427 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

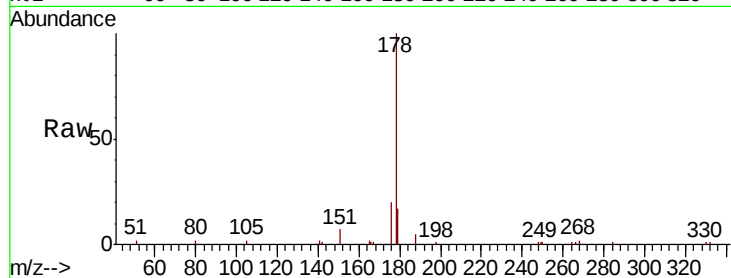
Tgt Ion:178 Resp: 6687

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

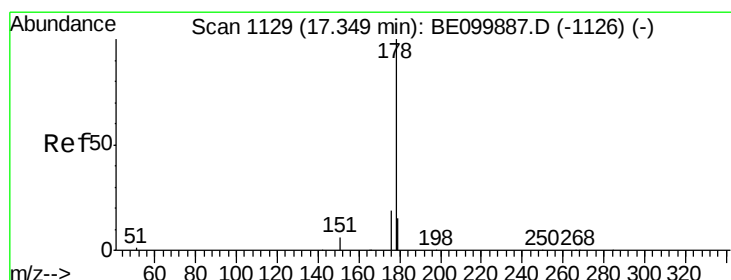
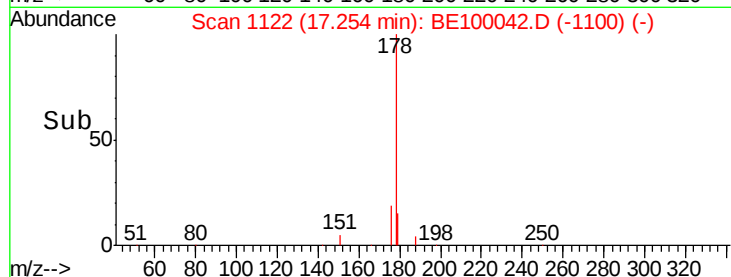
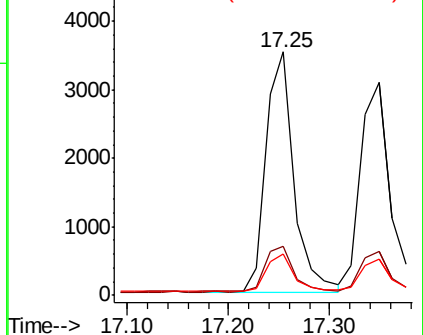
179 15.8 12.4 18.6



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: 0.414 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

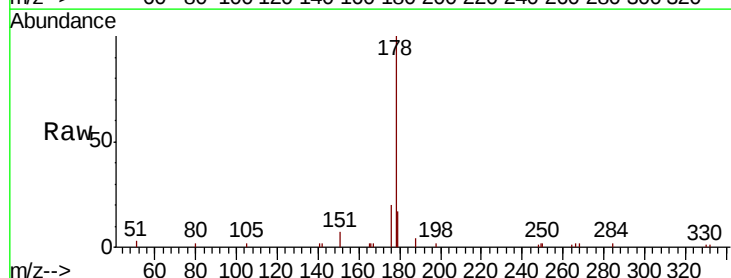
Tgt Ion:178 Resp: 5940

Ion Ratio Lower Upper

178 100

176 19.3 14.6 22.0

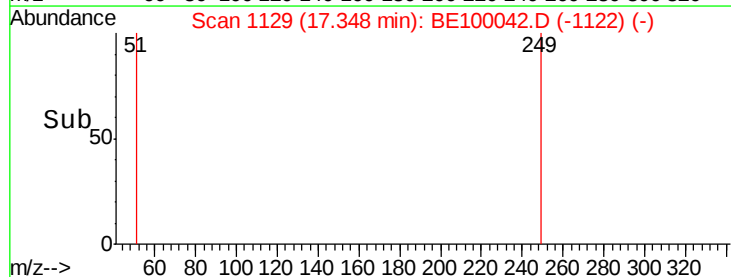
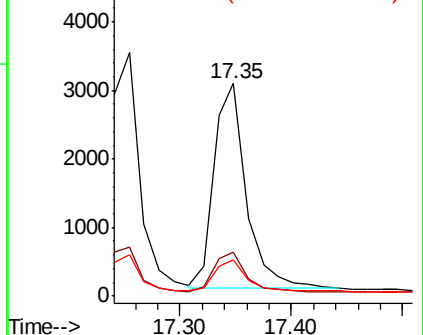
179 14.9 12.3 18.5



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: 0.350 ng

RT: 19.24 min Scan# 1388

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

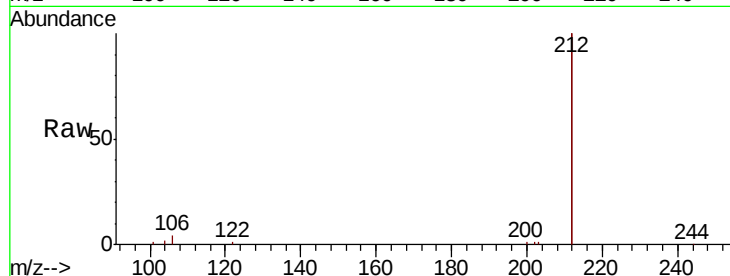
Tgt Ion:212 Resp: 32902

Ion Ratio Lower Upper

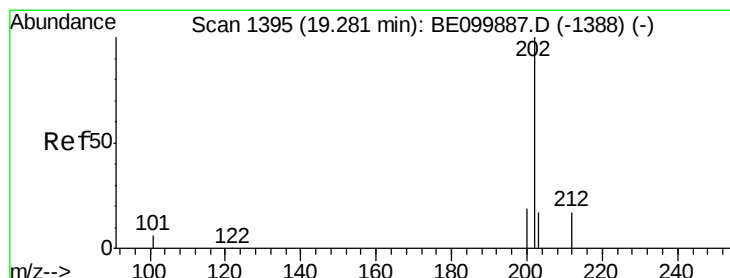
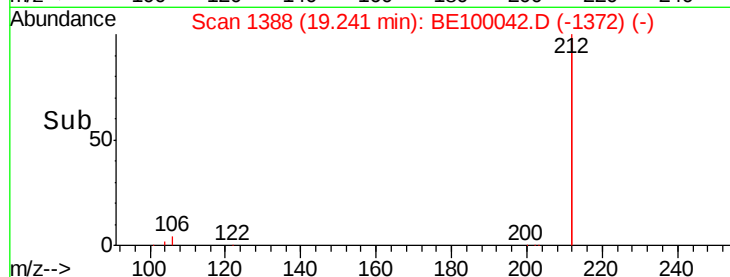
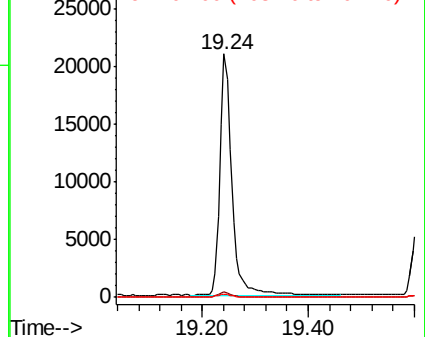
212 100

106 1.8 1.4 2.2

104 1.1 0.9 1.3



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: 0.389 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

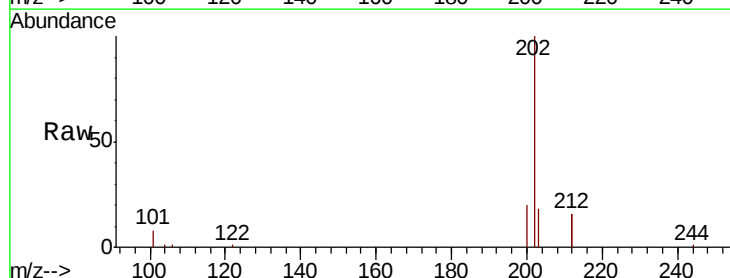
Tgt Ion:202 Resp: 10360

Ion Ratio Lower Upper

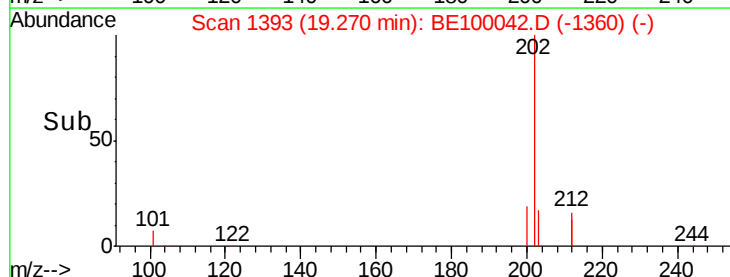
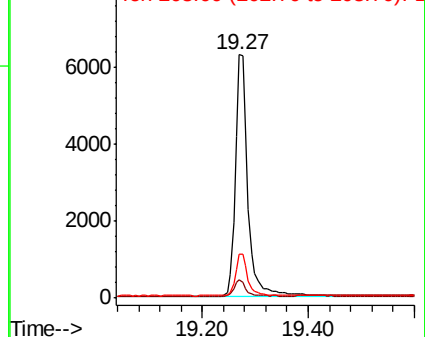
202 100

101 6.4 5.4 8.0

203 16.4 13.2 19.8



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

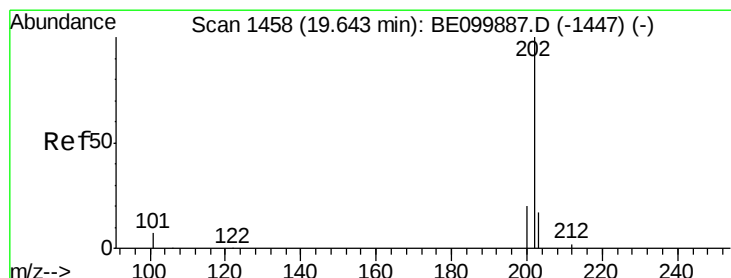
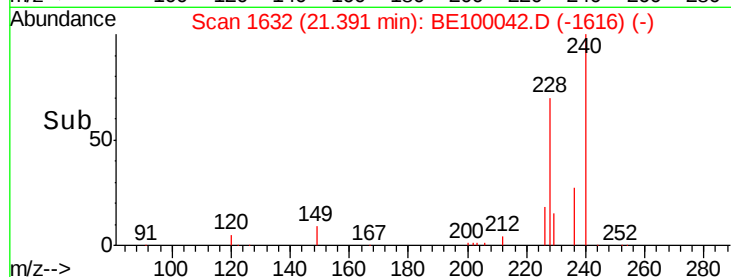
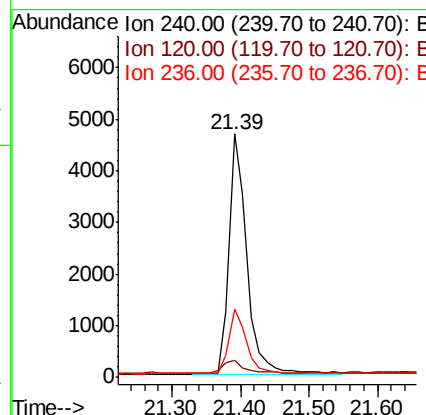
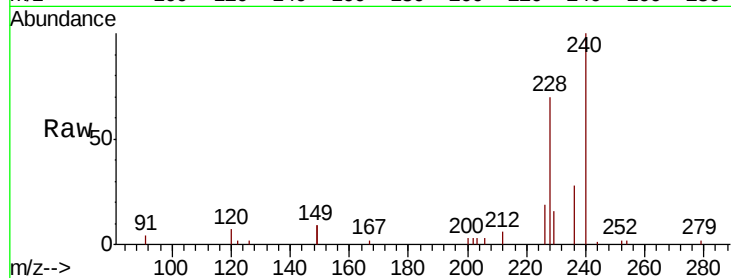




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.01 min
 Lab File: BE100042.D
 Acq: 15 Jun 2019 2:33

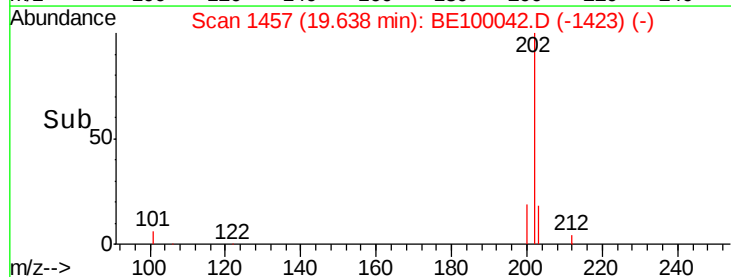
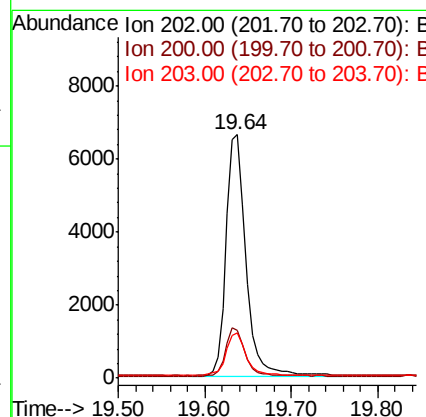
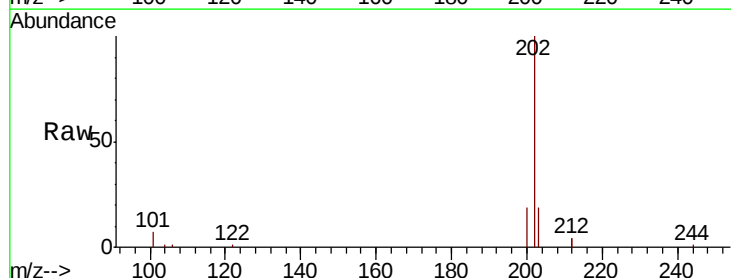
Instrument :
 BNA_E
 ClientSampleId :
 RE104D2-20190607MSD

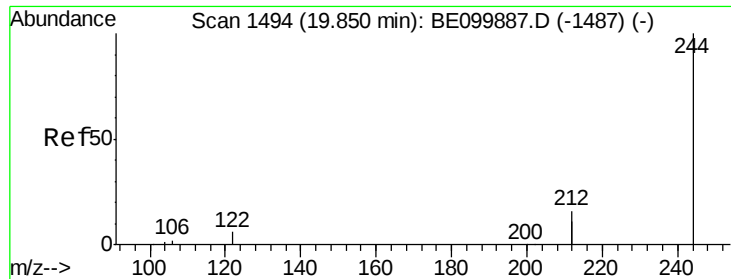
Tgt Ion:240 Resp: 8436
 Ion Ratio Lower Upper
 240 100
 120 7.2 3.8 5.6#
 236 28.1 22.0 33.0



#28
 Pyrene
 Concen: 0.477 ng
 RT: 19.64 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: BE100042.D
 Acq: 15 Jun 2019 2:33

Tgt Ion:202 Resp: 10574
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.5 23.3
 203 18.5 14.0 21.0





#29

Terphenyl-d14

Concen: 0.597 ng

RT: 19.84 min Scan# 1492

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

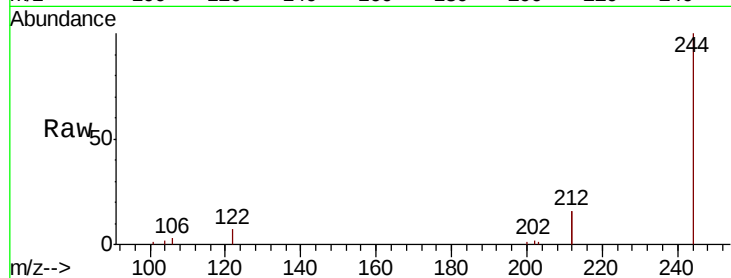
Tgt Ion:244 Resp: 9059

Ion Ratio Lower Upper

244 100

212 32.2 25.7 38.5

122 6.6 5.5 8.3

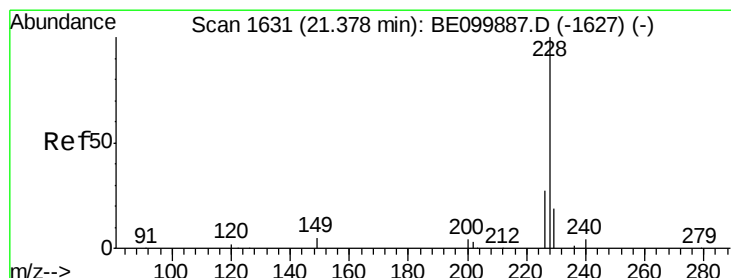
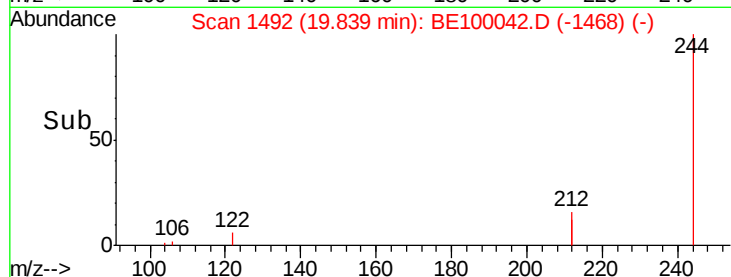
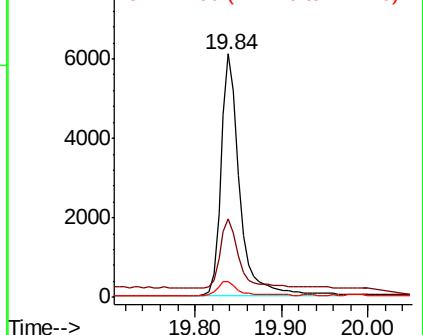


Abundance

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: 0.442 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

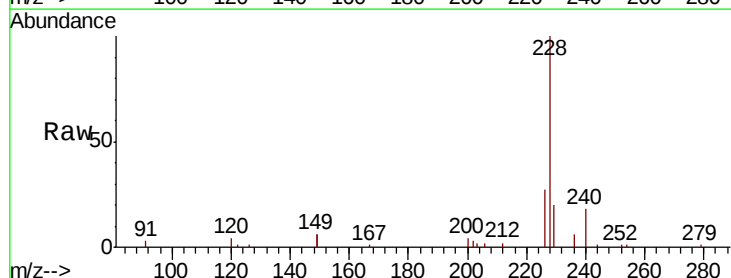
Tgt Ion:228 Resp: 11135

Ion Ratio Lower Upper

228 100

226 26.7 22.5 33.7

229 20.2 15.9 23.9

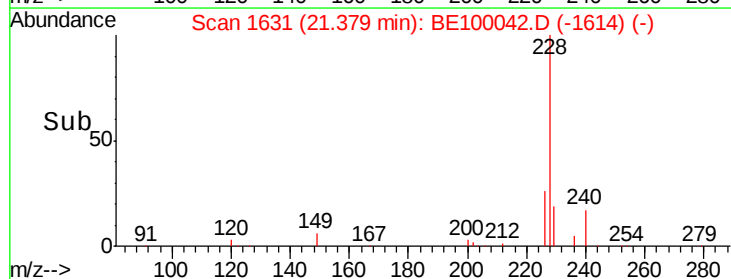
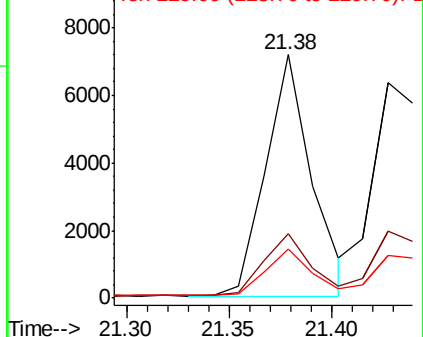


Abundance

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: 0.454 ng

RT: 21.43 min Scan# 1635

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

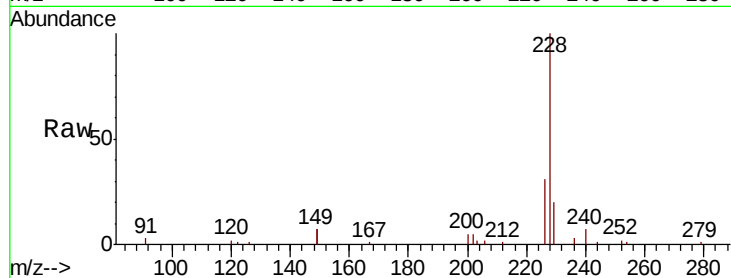
Tgt Ion: 228 Resp: 11825

Ion Ratio Lower Upper

228 100

226 31.2 24.1 36.1

229 19.9 16.1 24.1

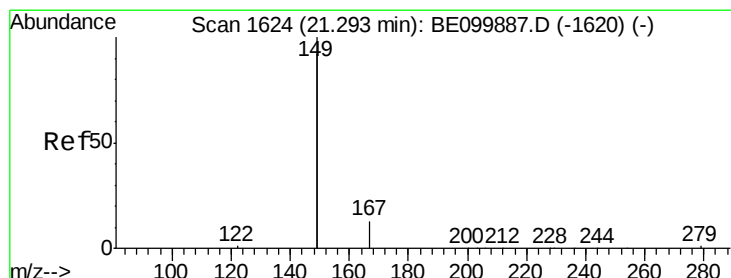
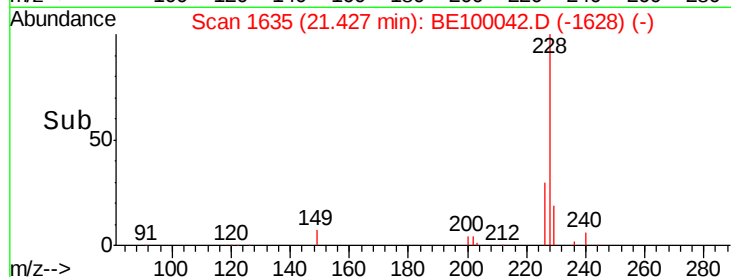
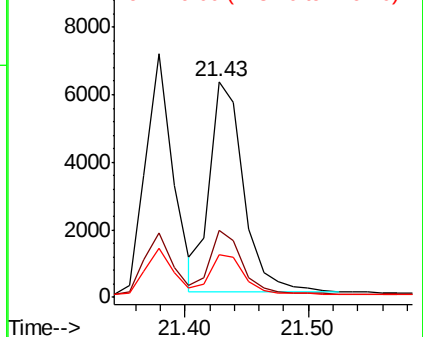


Abundance

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: 0.470 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

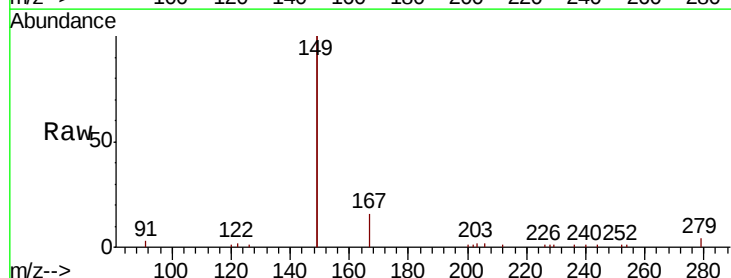
Tgt Ion: 149 Resp: 16997

Ion Ratio Lower Upper

149 100

167 7.5 5.9 8.9

279 1.4 1.2 1.8

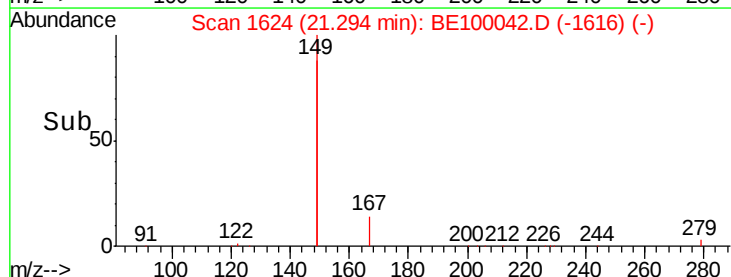
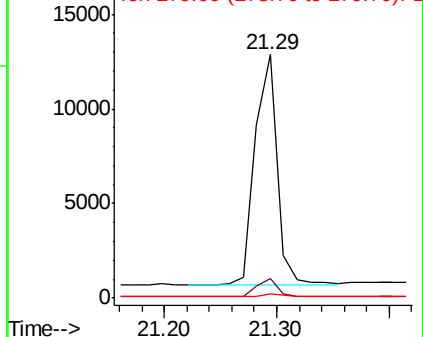


Abundance

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: 0.402 ng

RT: 26.60 min Scan# 2963

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

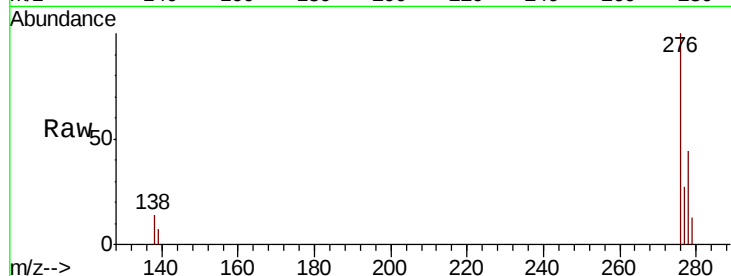
Tgt Ion:276 Resp: 12416

Ion Ratio Lower Upper

276 100

138 11.0 10.1 15.1

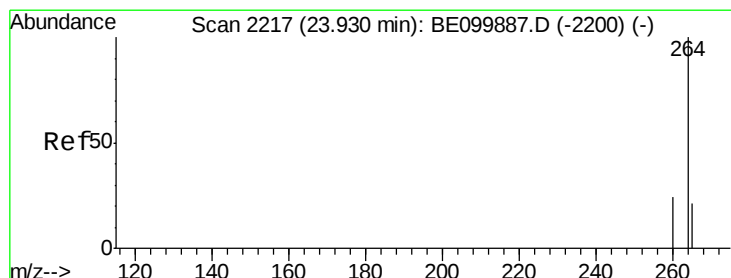
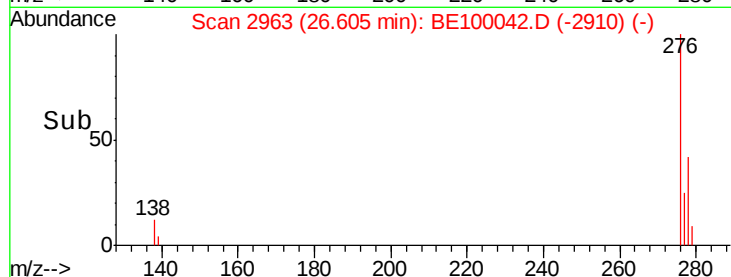
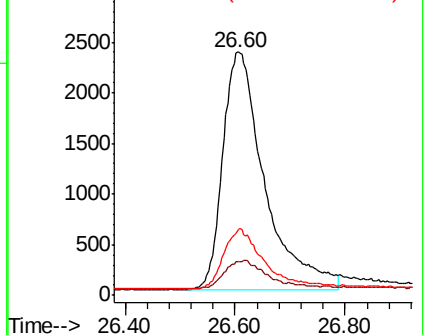
277 24.9 19.1 28.7



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: 23.92 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

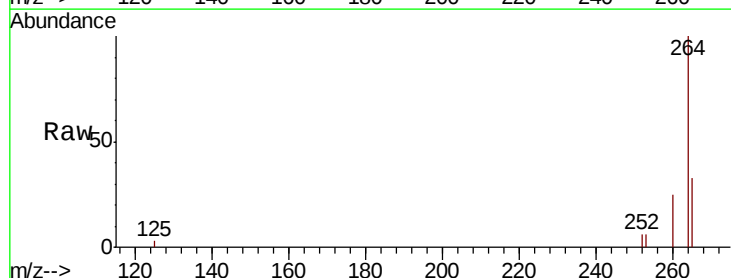
Tgt Ion:264 Resp: 9494

Ion Ratio Lower Upper

264 100

260 24.9 20.2 30.2

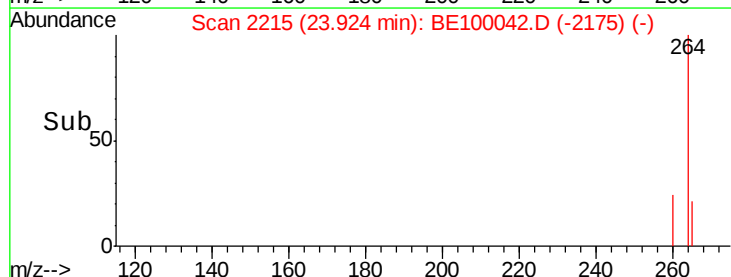
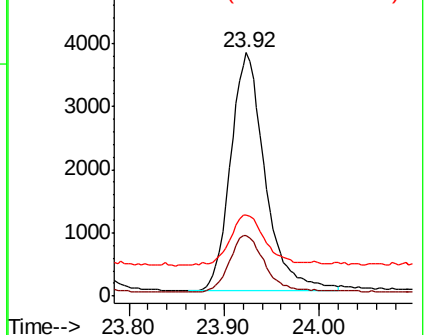
265 33.3 22.0 33.0#



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: 0.401 ng

RT: 23.14 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

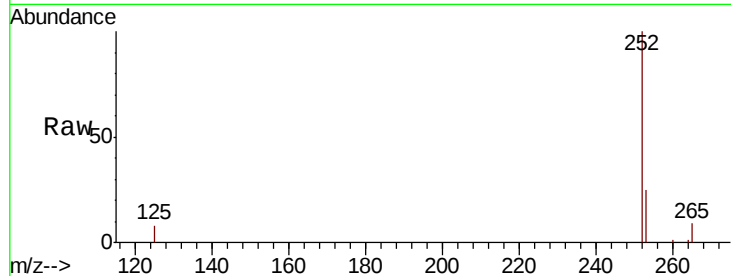
Tgt Ion:252 Resp: 10681

Ion Ratio Lower Upper

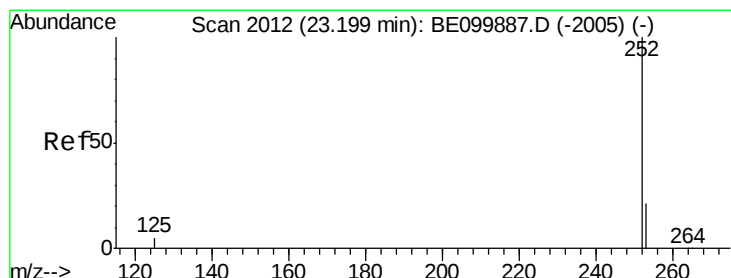
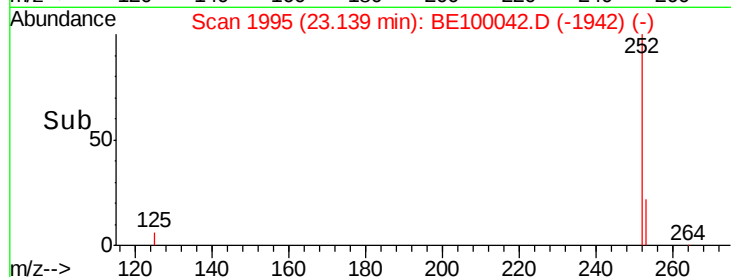
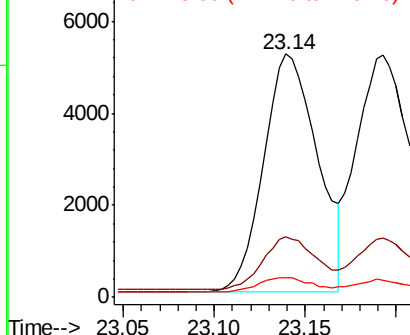
252 100

253 24.8 18.7 28.1

125 8.2 5.7 8.5



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: 0.438 ng

RT: 23.19 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

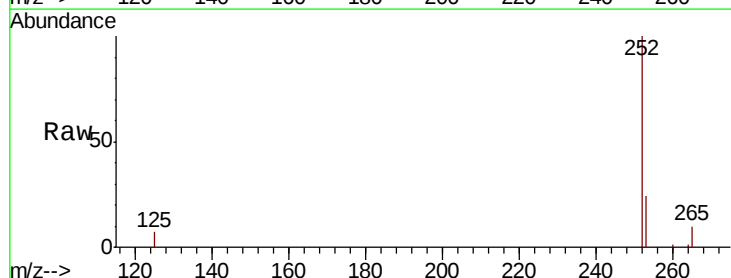
Tgt Ion:252 Resp: 12191

Ion Ratio Lower Upper

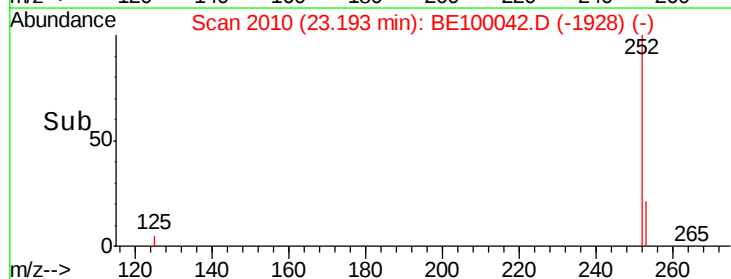
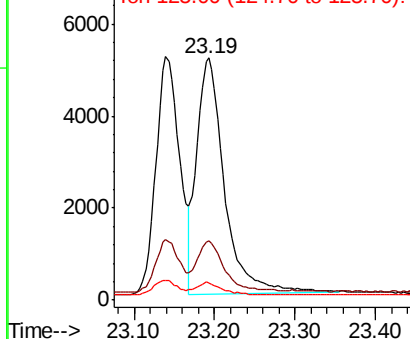
252 100

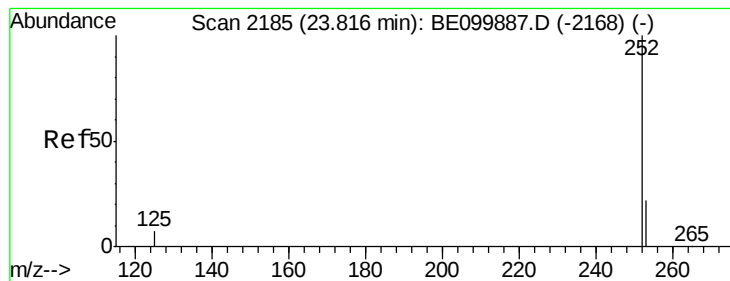
253 24.3 18.6 28.0

125 7.2 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





#37

Benzo(a)pyrene

Concen: 0.416 ng

RT: 23.81 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD

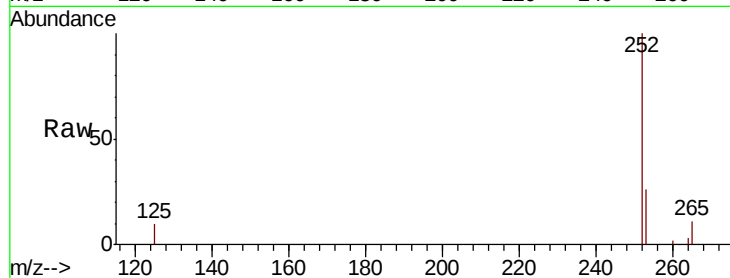
Tgt Ion:252 Resp: 10911

Ion Ratio Lower Upper

252 100

253 26.0 19.6 29.4

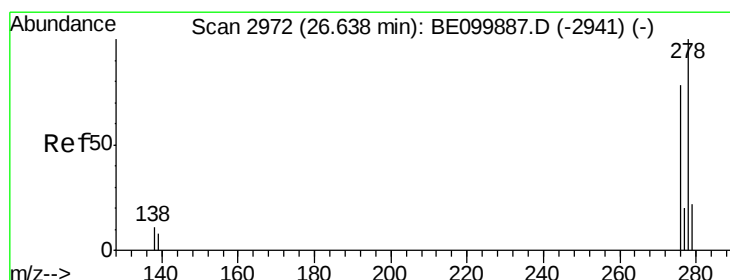
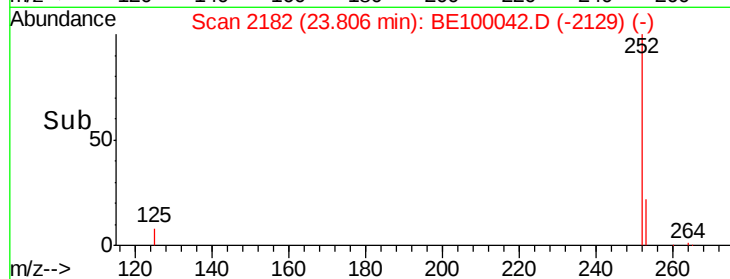
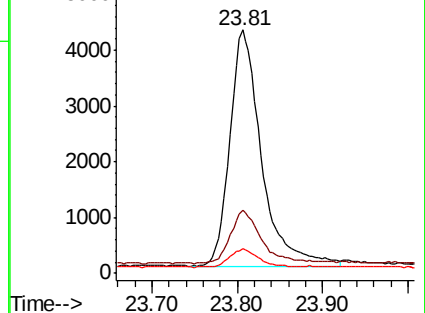
125 10.0 6.6 10.0#



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: 0.385 ng

RT: 26.64 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BE100042.D

Acq: 15 Jun 2019 2:33

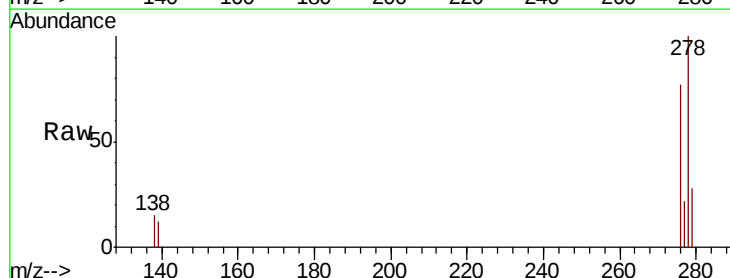
Tgt Ion:278 Resp: 10171

Ion Ratio Lower Upper

278 100

139 11.9 7.8 11.8#

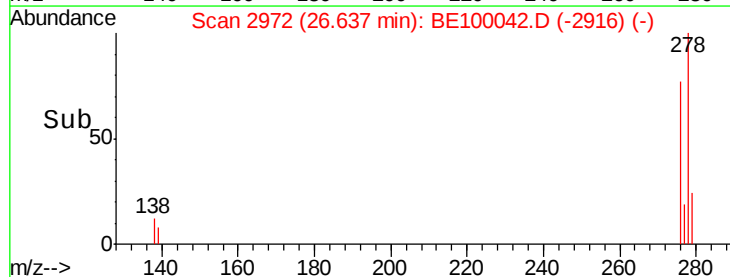
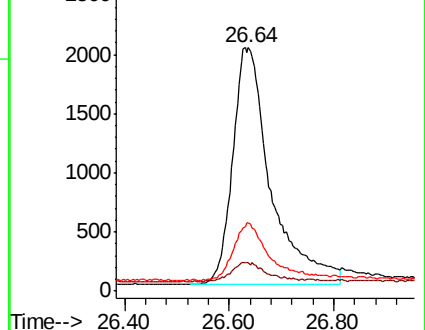
279 27.8 20.0 30.0



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(g,h,i)perylene

Concen: 0.397 ng

RT: 27.44 min Scan# 3196

Delta R.T. 0.00 min

Lab File: BE100042.D

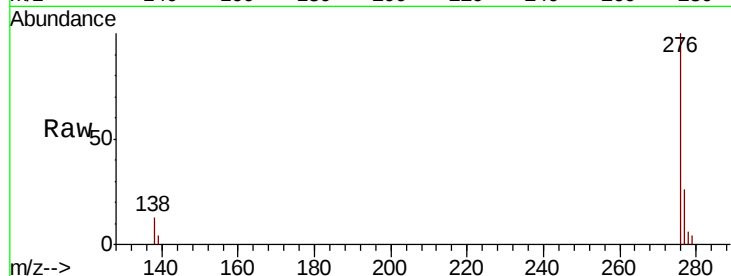
Acq: 15 Jun 2019 2:33

Instrument :

BNA_E

ClientSampleId :

RE104D2-20190607MSD



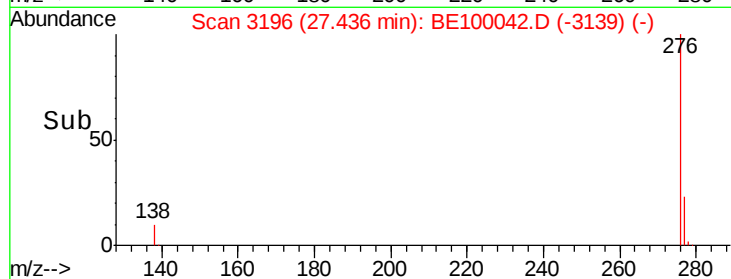
Tgt Ion: 276 Resp: 10840

Ion Ratio Lower Upper

276 100

277 25.7 19.5 29.3

138 12.8 9.5 14.3



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

