

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
 Data File : BE099689.D
 Acq On : 21 May 2019 14:44
 Operator : JU/SJ
 Sample : K2944-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-1(14.5-15)MSD

Quant Time: May 21 15:17:54 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 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1797	0.40	ng	0.01
7) Naphthalene-d8	10.63	136	5939	0.40	ng	0.01
13) Acenaphthene-d10	14.50	164	3876	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	10764	0.40	ng	0.01
27) Chrysene-d12	21.43	240	17641	0.40	ng	0.01
34) Perylene-d12	23.97	264	21860	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1793	0.39	ng	0.01
5) Phenol-d6	6.99	99	2468	0.41	ng	0.01
8) Nitrobenzene-d5	8.99	82	2046	0.40	ng	0.01
11) 2-Methylnaphthalene-d10	12.24	152	4163	0.41	ng	0.01
14) 2,4,6-Tribromophenol	15.98	330	898	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.11	172	5313	0.36	ng	0.01
25) Fluoranthene-d10	19.27	212	56580	0.38	ng	0.00
29) Terphenyl-d14	19.87	244	11980	0.38	ng	0.00

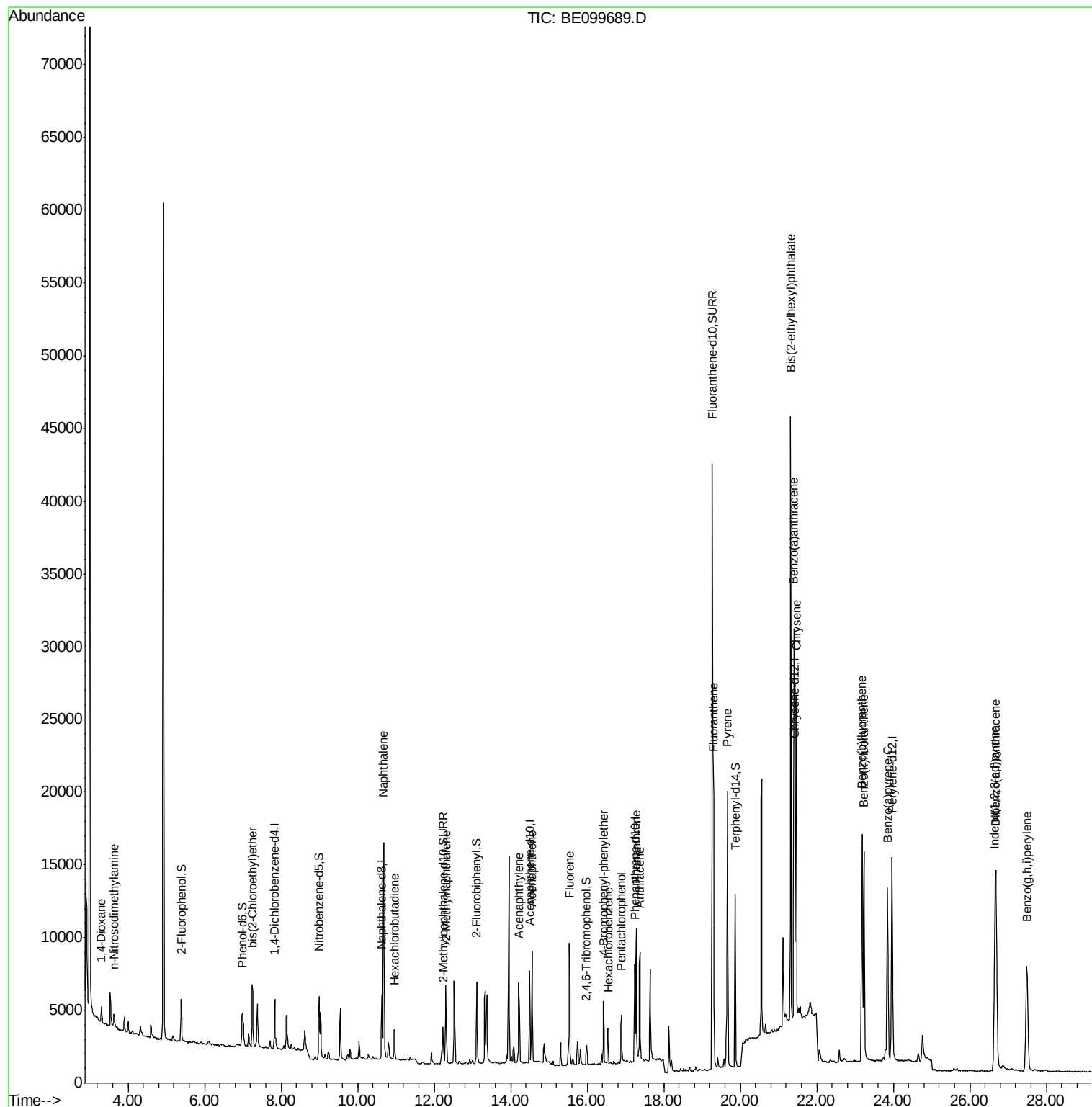
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.30	88	741	0.279	ng	# 59
3) n-Nitrosodimethylamine	3.62	42	556	0.379	ng	# 79
6) bis(2-Chloroethyl)ether	7.25	93	2027	0.379	ng	99
9) Naphthalene	10.68	128	24386	0.384	ng	100
10) Hexachlorobutadiene	10.96	225	1677	0.359	ng	99
12) 2-Methylnaphthalene	12.31	142	4024	0.389	ng	100
16) Acenaphthylene	14.21	152	6913	0.383	ng	99
17) Acenaphthene	14.55	154	3821	0.377	ng	97
18) Fluorene	15.53	166	5429	0.364	ng	100
20) 4-Bromophenyl-phenylether	16.43	248	2367	0.381	ng	# 88
21) Hexachlorobenzene	16.55	284	2303	0.363	ng	99
22) Pentachlorophenol	16.89	266	2303	1.235	ng	86
23) Phenanthrene	17.28	178	10277	0.391	ng	100
24) Anthracene	17.38	178	9681	0.406	ng	99
26) Fluoranthene	19.30	202	16804	0.404	ng	99
28) Pyrene	19.66	202	17828	0.402	ng	99
30) Benzo(a)anthracene	21.40	228	21837	0.436	ng	99
31) Chrysene	21.46	228	21492	0.401	ng	97
32) Bis(2-ethylhexyl)phthalate	21.32	149	45062	0.780	ng	100
33) Indeno(1,2,3-cd)pyrene	26.65	276	24130	0.373	ng	100
35) Benzo(b)fluoranthene	23.18	252	21026	0.351	ng	# 93
36) Benzo(k)fluoranthene	23.23	252	21461	0.344	ng	# 95
37) Benzo(a)pyrene	23.85	252	20319	0.352	ng	# 95
38) Dibenzo(a,h)anthracene	26.68	278	20294	0.335	ng	# 95
39) Benzo(g,h,i)perylene	27.49	276	20095	0.329	ng	100

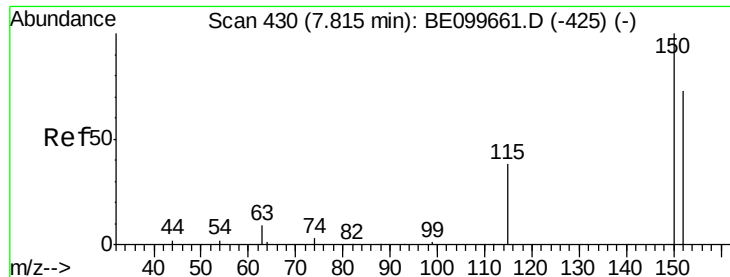
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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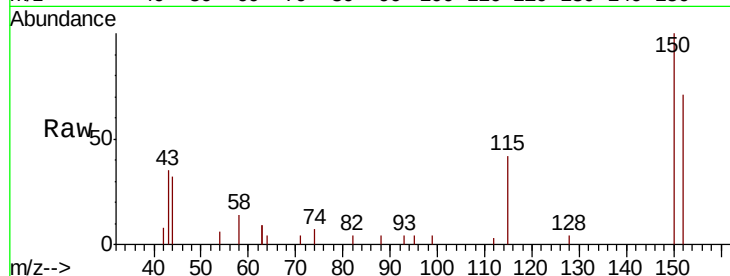


#1

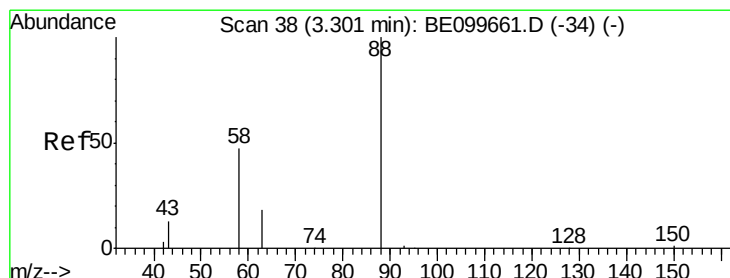
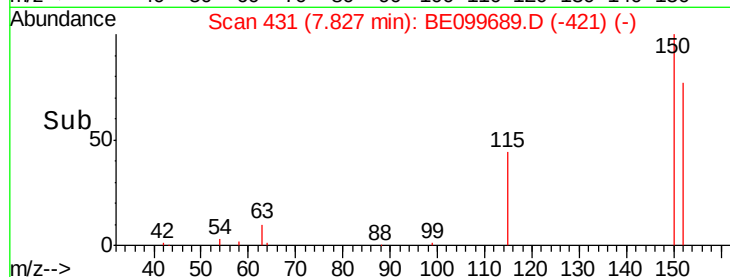
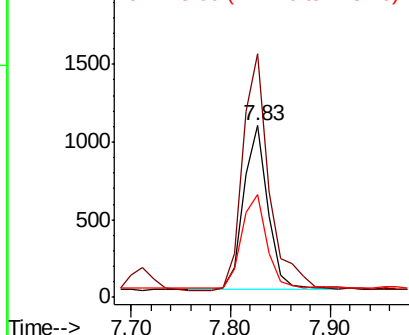
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.83 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

Instrument :
 BNA_E
 ClientSampleId :
 FESB-1(14.5-15)MSD

Tot Ion:152 Resp: 1797
 Ion Ratio Lower Upper
 152 100
 150 141.8 109.2 163.8
 115 59.8 43.7 65.5



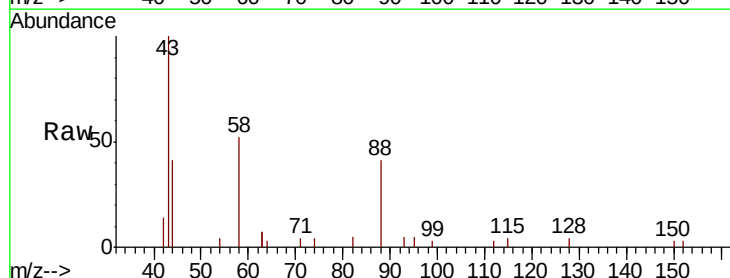
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



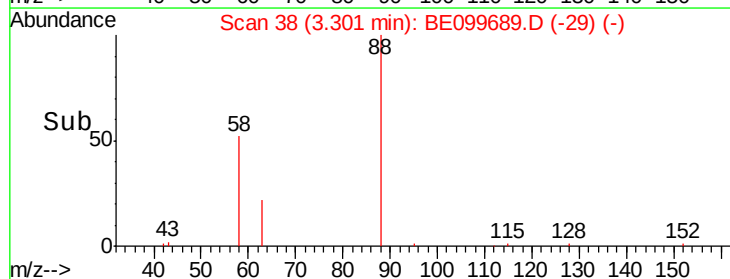
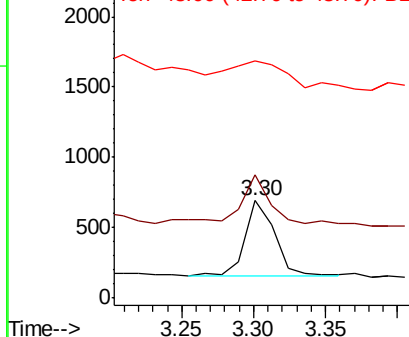
#2

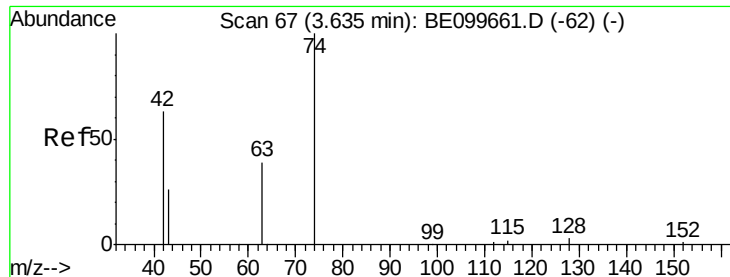
1,4-Dioxane
 Concen: 0.279 ng
 RT: 3.30 min Scan# 38
 Delta R.T. 0.00 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

Tgt Ion: 88 Resp: 741
 Ion Ratio Lower Upper
 88 100
 58 66.9 41.8 62.8#
 43 62.1 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: 0.379 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

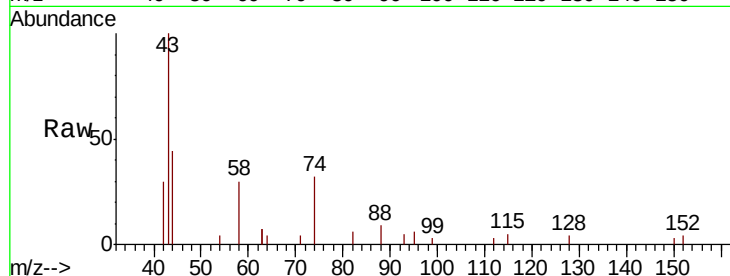
Tot Ion: 42 Resp: 556

Ion Ratio Lower Upper

42 100

74 189.2 129.2 193.8

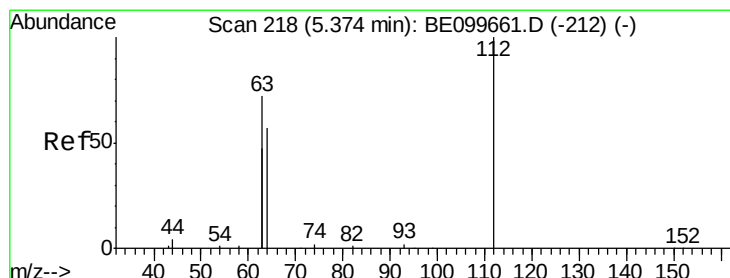
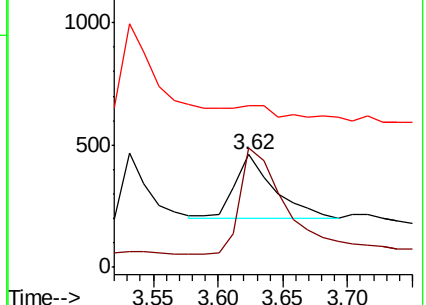
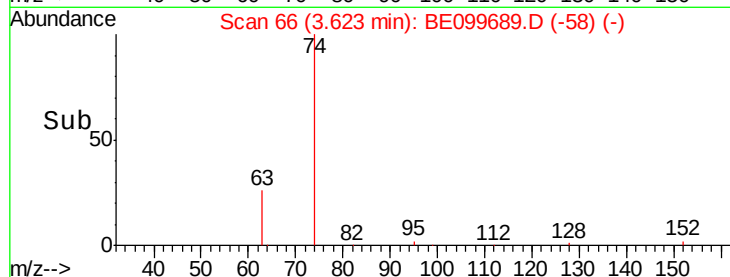
44 0.0 0.0 0.0



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: 0.395 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

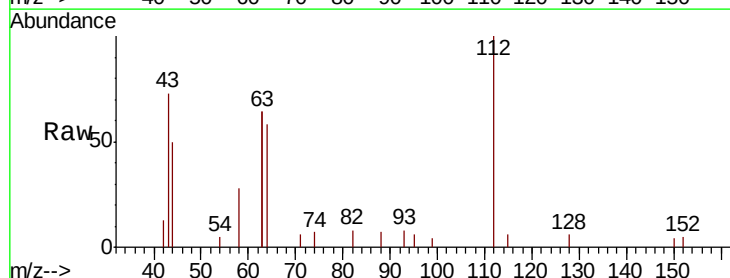
Tgt Ion: 112 Resp: 1793

Ion Ratio Lower Upper

112 100

64 56.8 43.4 65.2

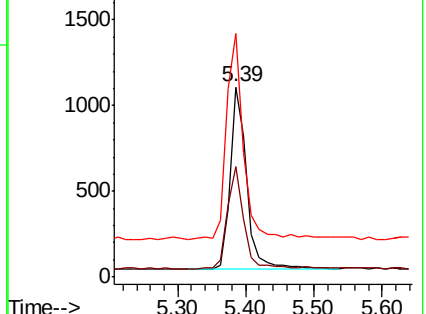
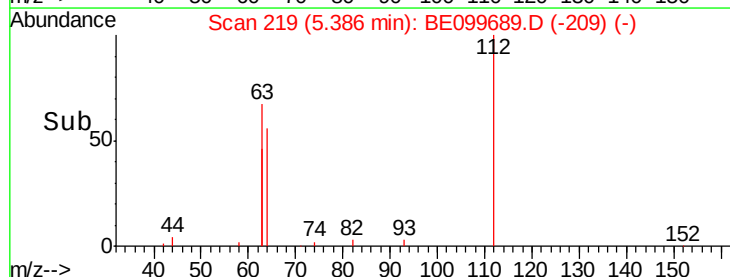
63 116.2 96.9 145.3

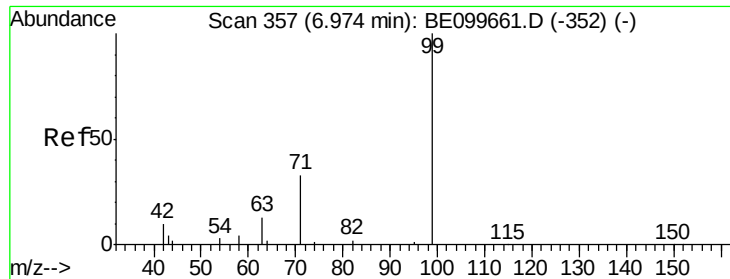


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.411 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

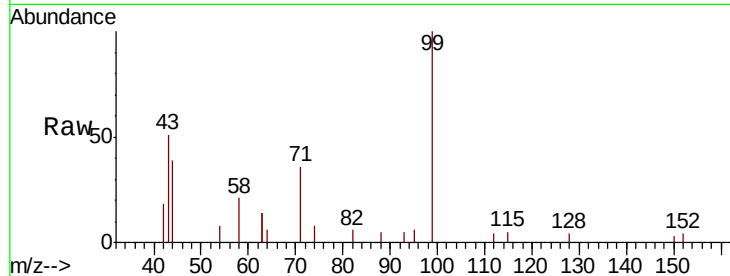
Tot Ion: 99 Resp: 2468

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

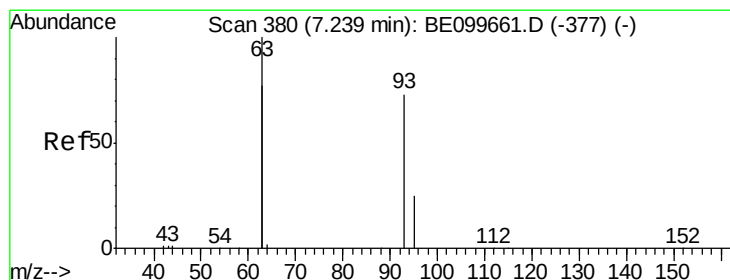
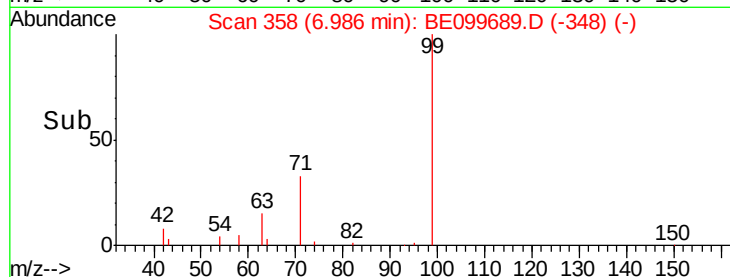
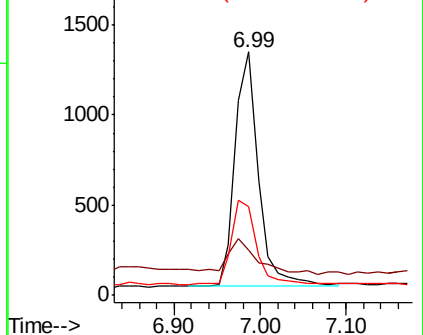
71 37.6 28.9 43.3



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: 0.379 ng

RT: 7.25 min Scan# 381

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

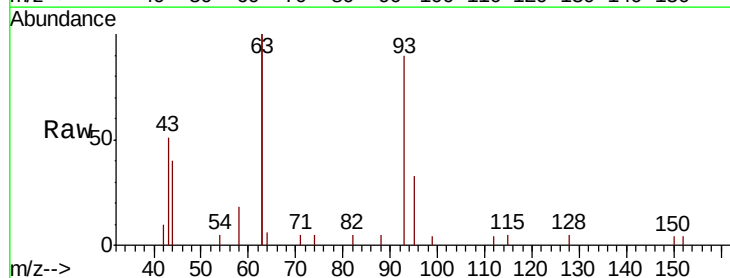
Tgt Ion: 93 Resp: 2027

Ion Ratio Lower Upper

93 100

63 258.8 207.8 311.6

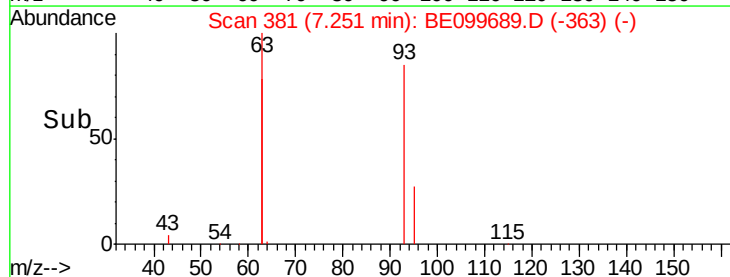
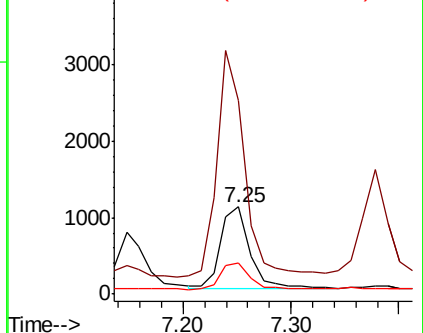
95 33.5 25.9 38.9

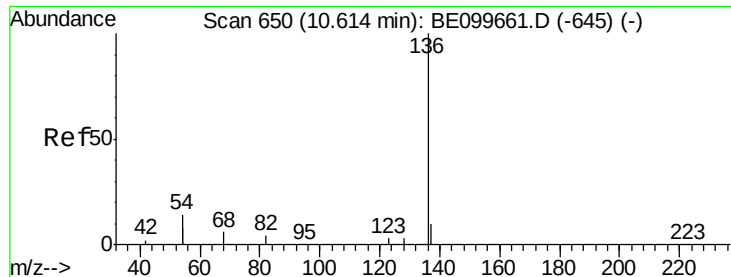


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

Tot Ion:136 Resp: 5939

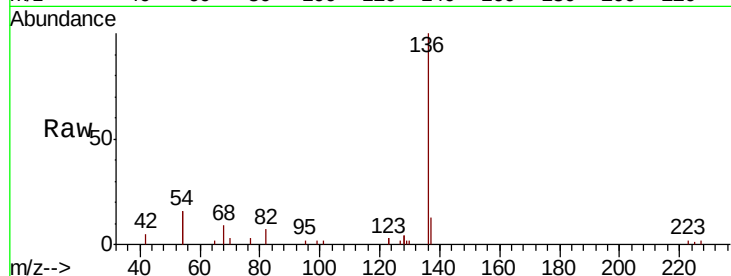
Ion Ratio Lower Upper

136 100

137 12.7 9.0 13.6

54 32.4 22.3 33.5

68 8.6 6.0 9.0

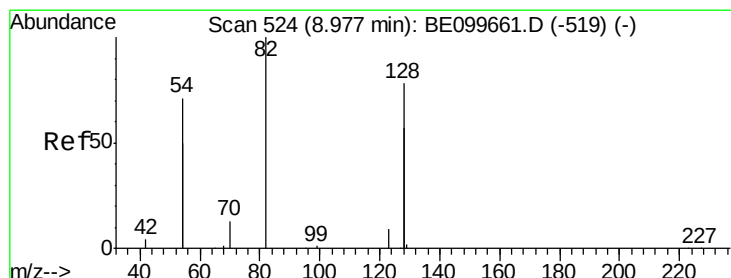
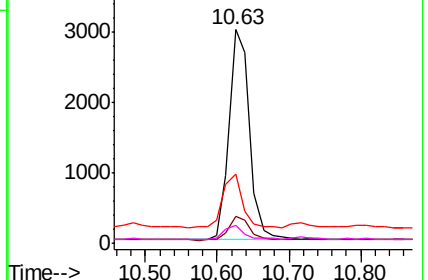
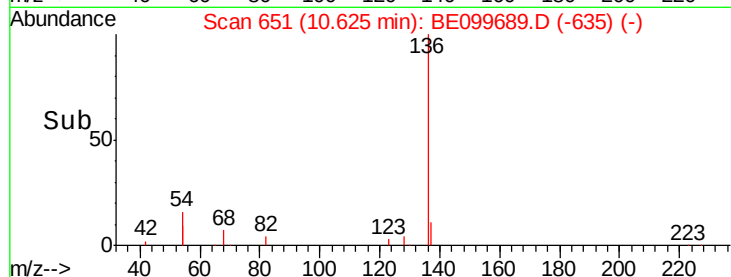


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.398 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

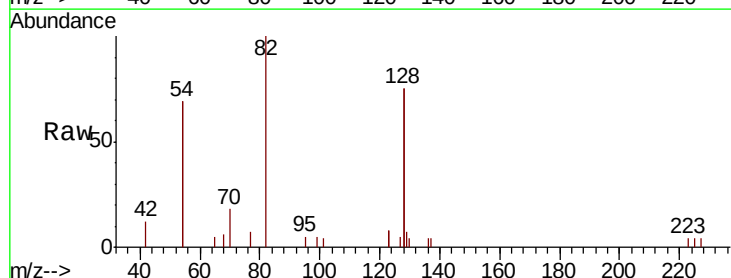
Tgt Ion: 82 Resp: 2046

Ion Ratio Lower Upper

82 100

128 150.8 117.7 176.5

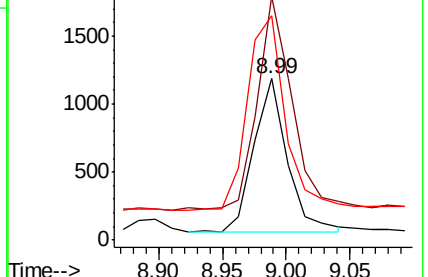
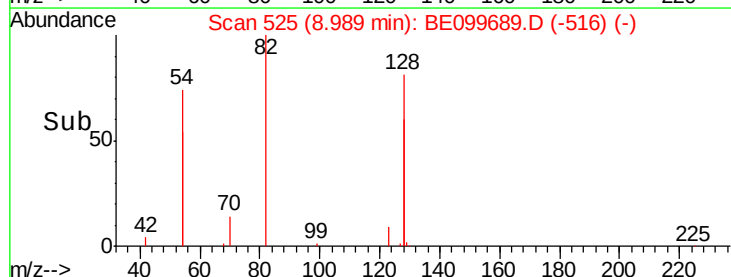
54 138.8 106.6 160.0

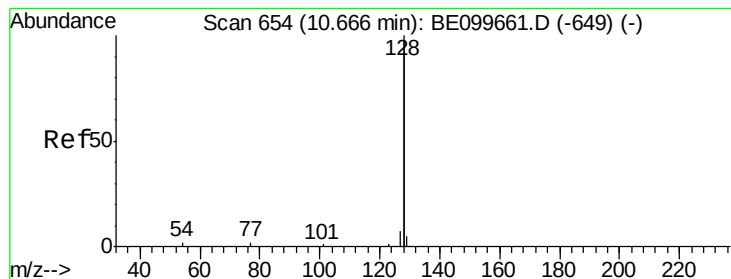


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.384 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.01 min

Lab File: BE099689.D

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ClientSampleId :

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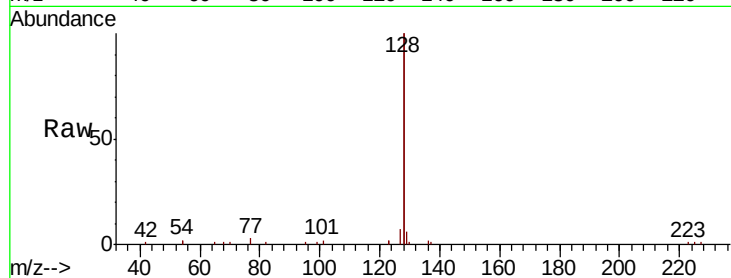
Tot Ion:128 Resp: 24386

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

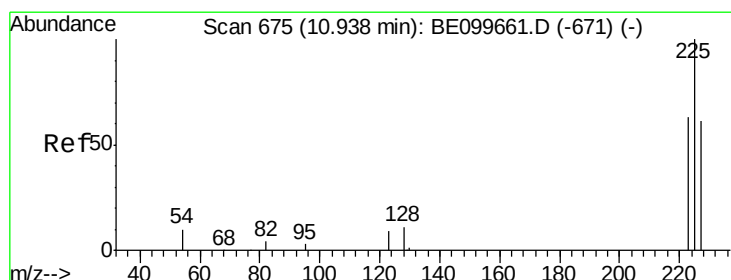
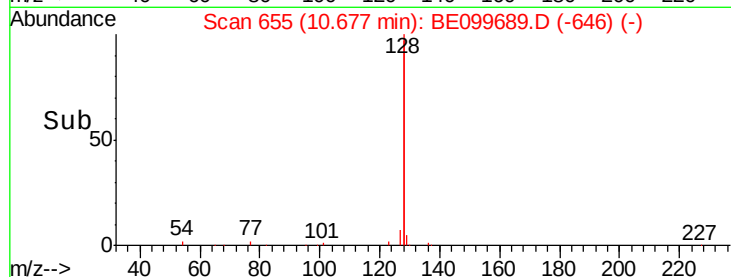
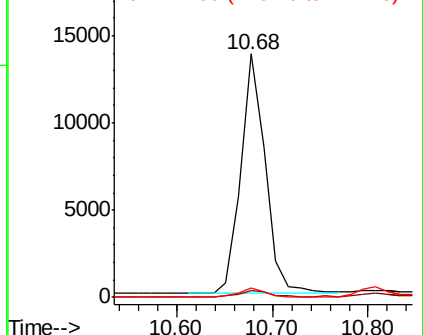
127 3.7 2.9 4.3



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: 0.359 ng

RT: 10.96 min Scan# 677

Delta R.T. 0.02 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

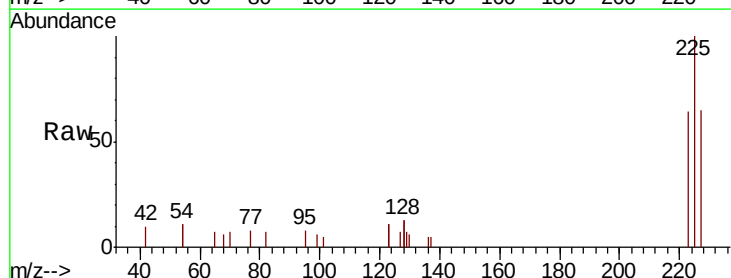
Tgt Ion:225 Resp: 1677

Ion Ratio Lower Upper

225 100

223 64.8 51.8 77.6

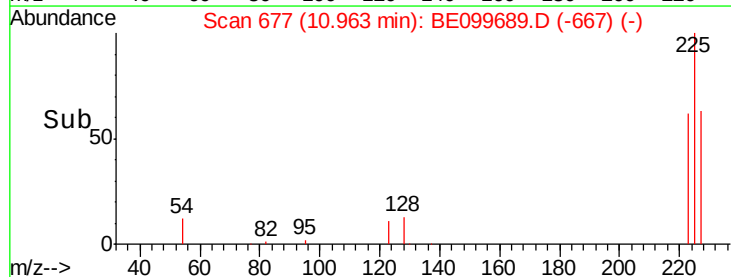
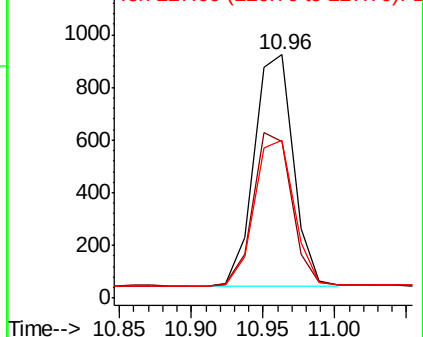
227 63.7 52.6 79.0

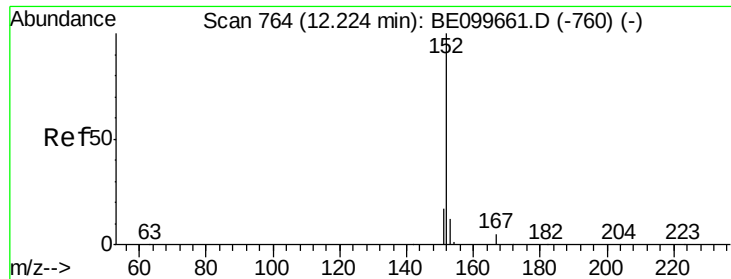


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

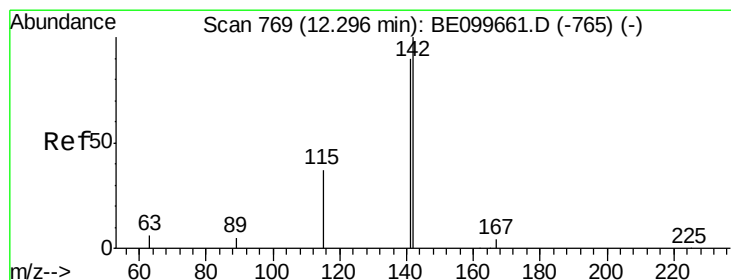
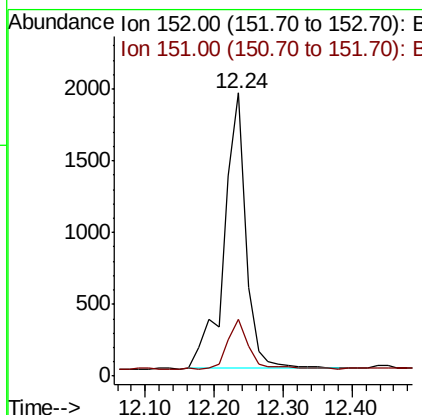
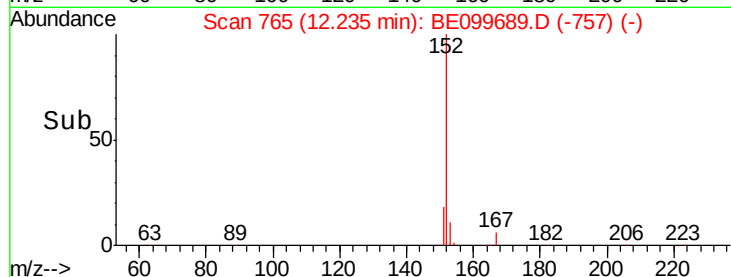
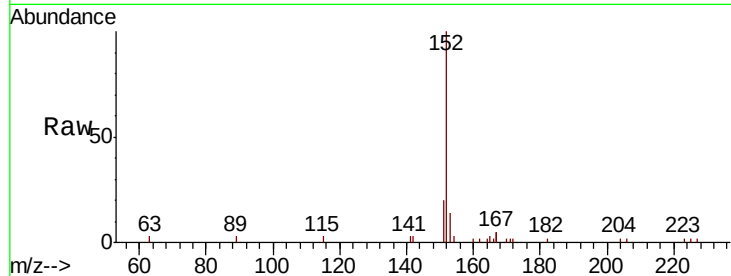




#11
 2-Methylnaphthalene-d10
 Concen: 0.406 ng
 RT: 12.24 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

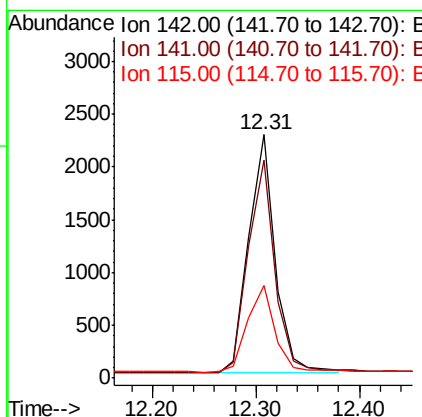
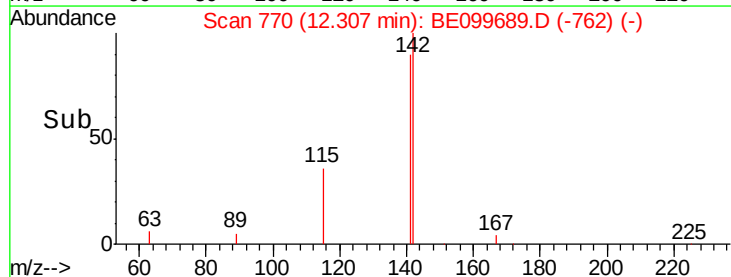
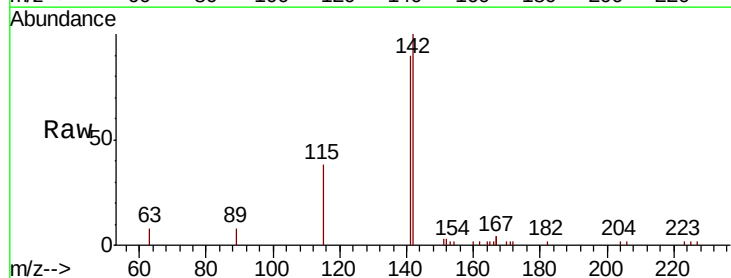
Instrument :
 BNA_E
 ClientSampleId :
 FESB-1(14.5-15)MSD

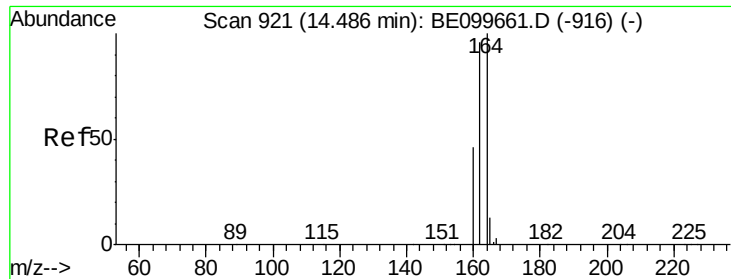
Tot Ion:152 Resp: 4163
 Ion Ratio Lower Upper
 152 100
 151 16.9 15.0 22.4



#12
 2-Methylnaphthalene
 Concen: 0.389 ng
 RT: 12.31 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

Tgt Ion:142 Resp: 4024
 Ion Ratio Lower Upper
 142 100
 141 89.8 72.0 108.0
 115 38.1 31.0 46.4

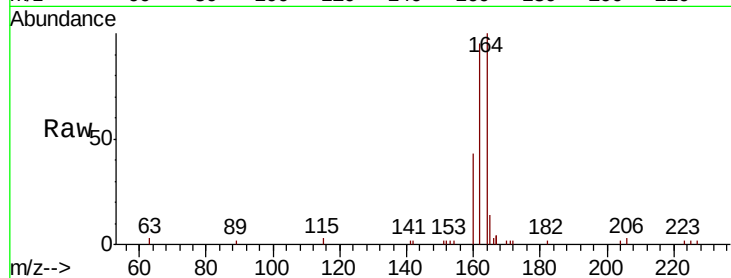




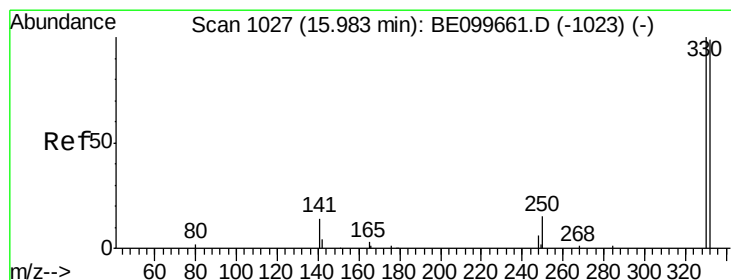
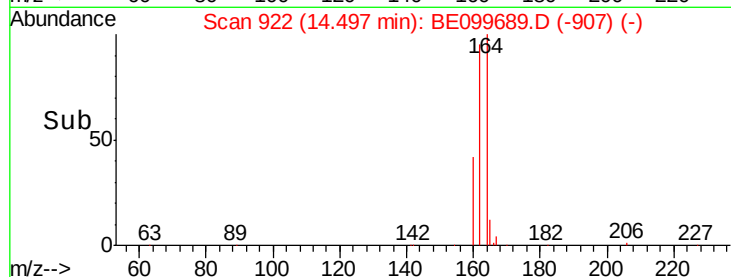
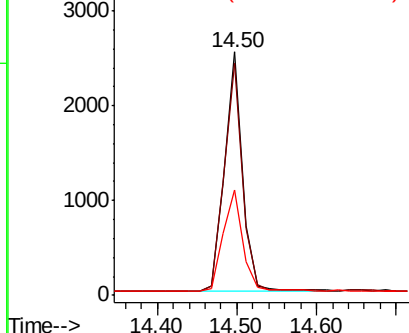
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.50 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

Instrument :
 BNA_E
 ClientSampleId :
 FESB-1(14.5-15)MSD

Tot Ion:164 Resp: 3876
 Ion Ratio Lower Upper
 164 100
 162 95.1 76.5 114.7
 160 43.3 37.4 56.2

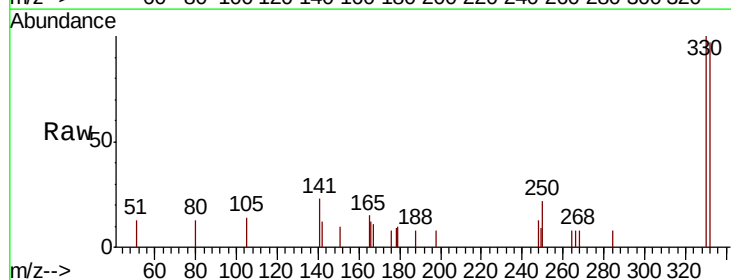


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

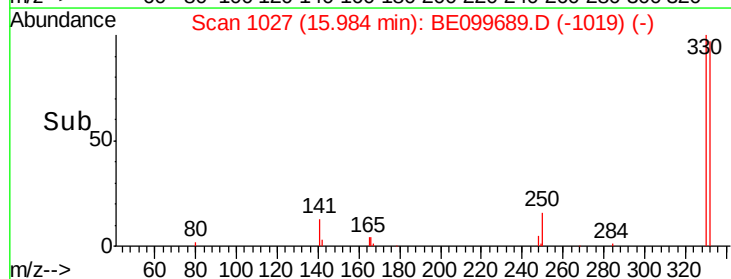
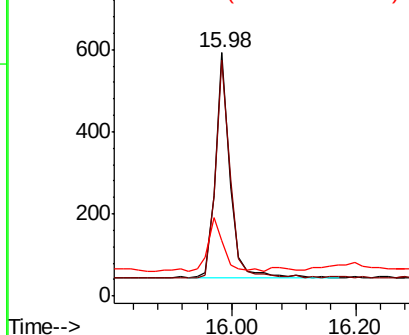


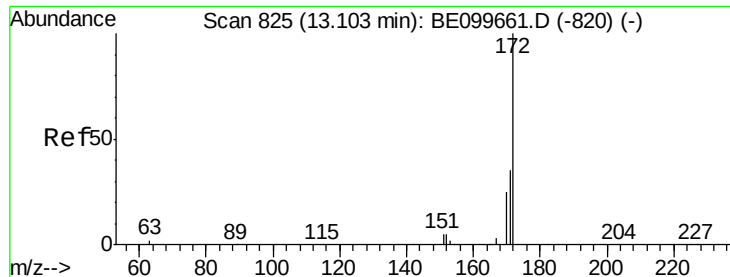
#14
 2,4,6-Tribromophenol
 Concen: 0.434 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

Tgt Ion:330 Resp: 898
 Ion Ratio Lower Upper
 330 100
 332 99.0 77.3 115.9
 141 23.4 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

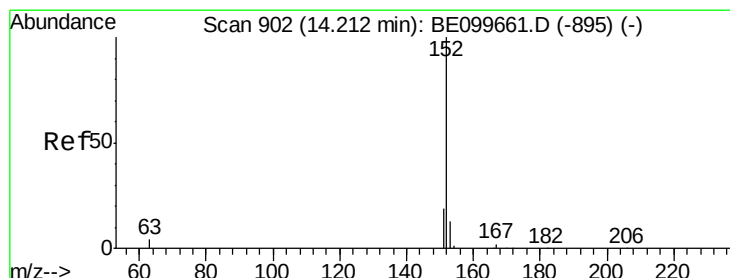
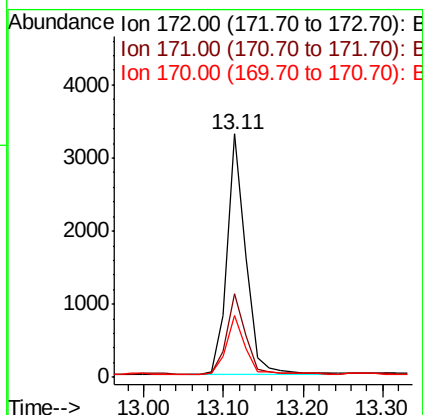
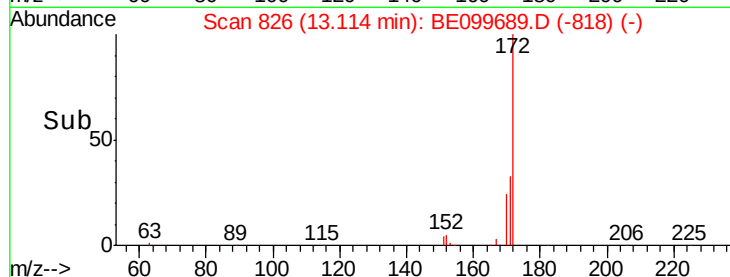
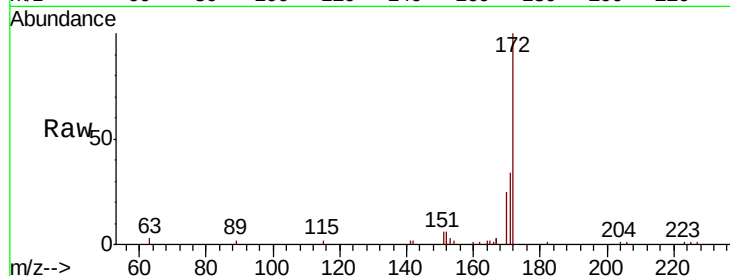




#15
2-Fluorobiphenyl
Concen: 0.361 ng
RT: 13.11 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099689.D
Acq: 21 May 2019 14:44

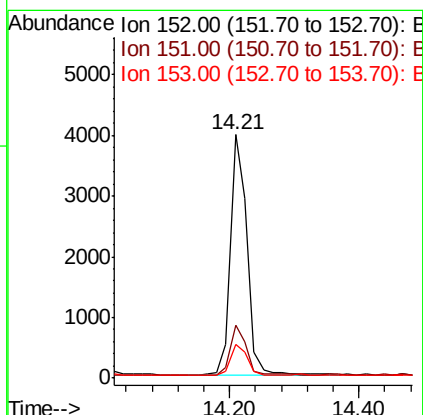
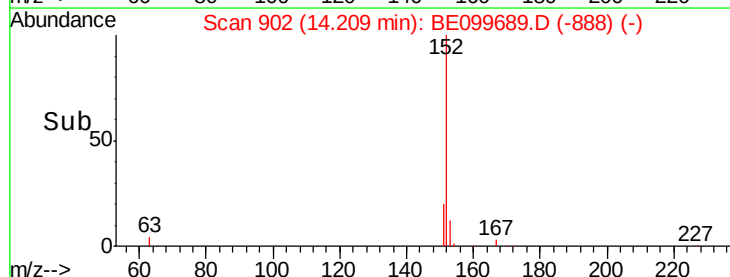
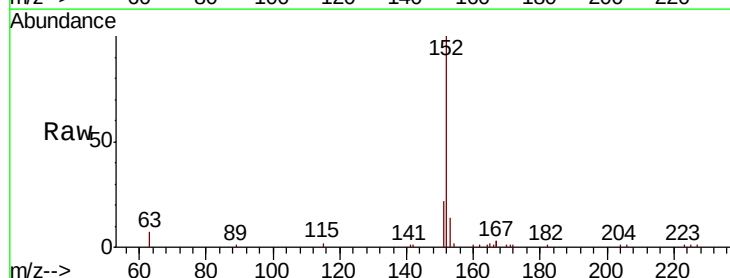
Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MSD

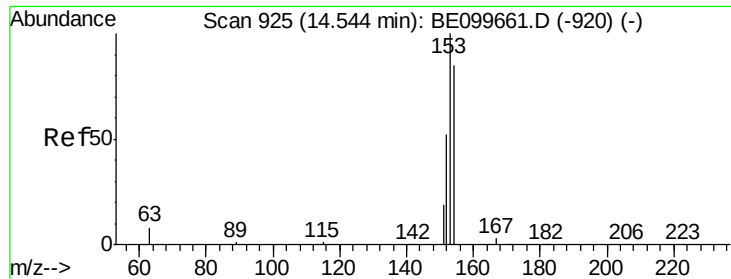
Tot Ion:172 Resp: 5313
Ion Ratio Lower Upper
172 100
171 34.3 28.7 43.1
170 25.4 20.9 31.3



#16
Acenaphthylene
Concen: 0.383 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099689.D
Acq: 21 May 2019 14:44

Tgt Ion:152 Resp: 6913
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 12.9 10.6 16.0

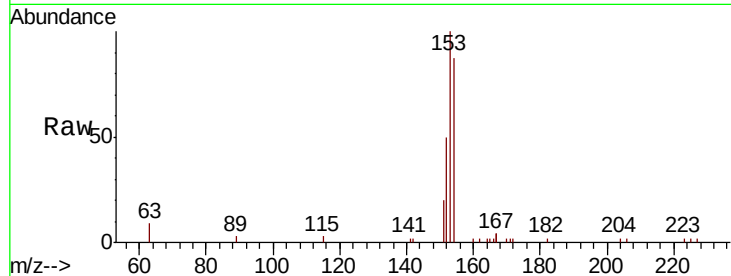




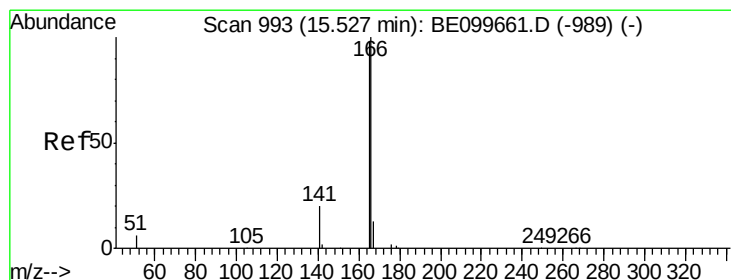
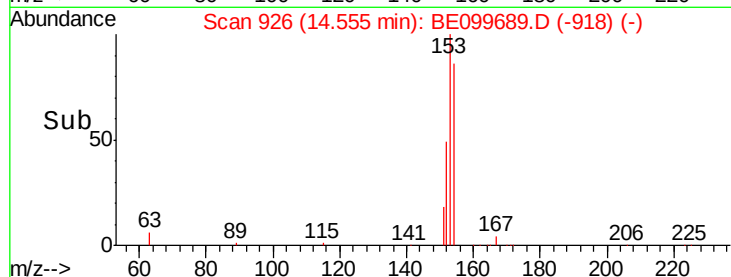
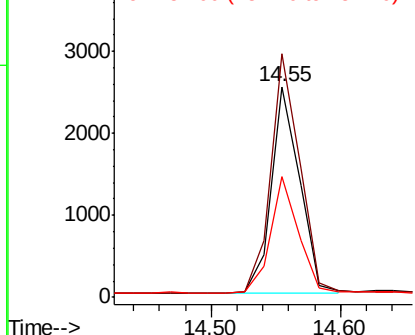
#17
Acenaphthene
Concen: 0.377 ng
RT: 14.55 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099689.D
Acq: 21 May 2019 14:44

Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MSD

Tot Ion:154 Resp: 3821
Ion Ratio Lower Upper
154 100
153 118.6 91.8 137.6
152 55.8 46.0 69.0

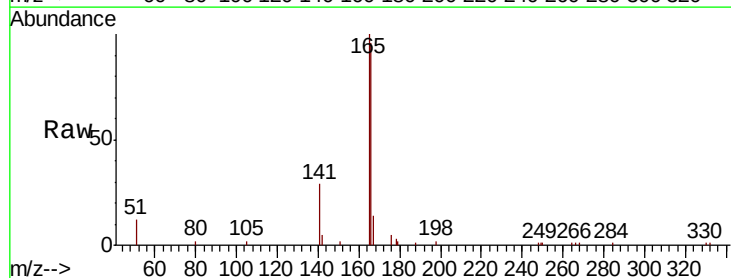


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

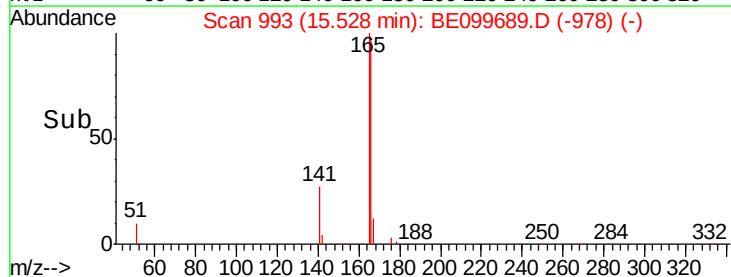
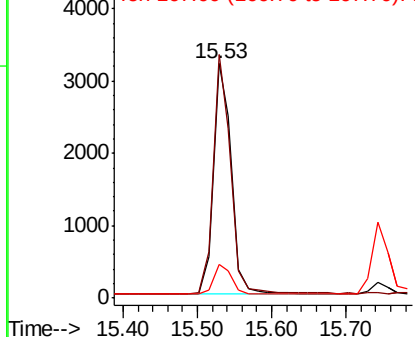


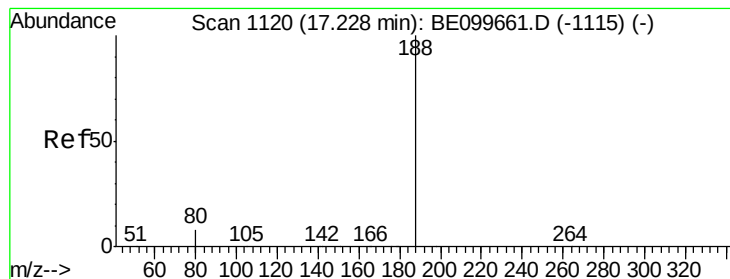
#18
Fluorene
Concen: 0.364 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099689.D
Acq: 21 May 2019 14:44

Tgt Ion:166 Resp: 5429
Ion Ratio Lower Upper
166 100
165 100.4 80.3 120.5
167 12.8 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: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

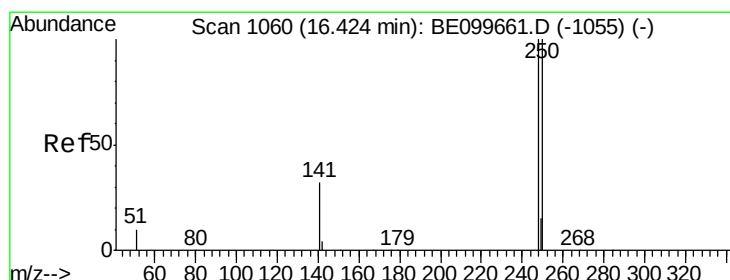
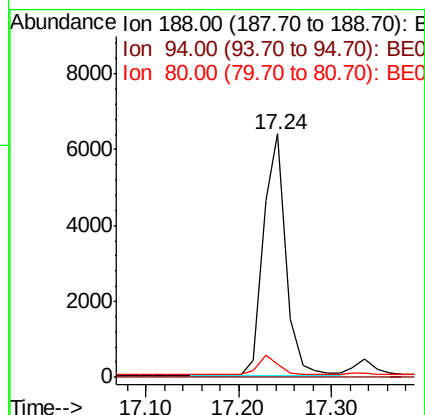
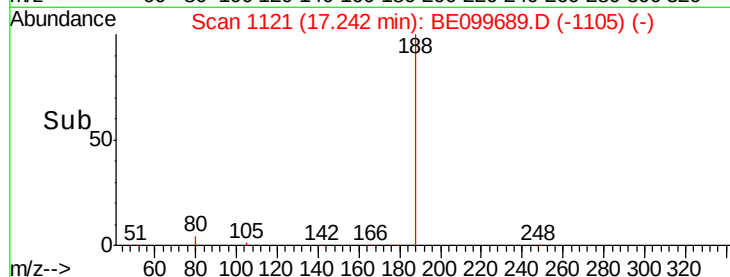
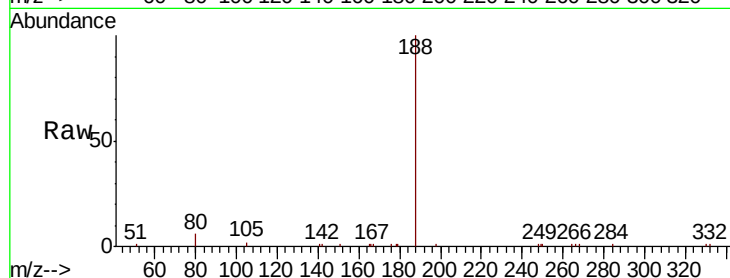
Tot Ion:188 Resp: 10764

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.6 6.7 10.1#



#20

4-Bromophenyl-phenylether

Concen: 0.381 ng

RT: 16.43 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

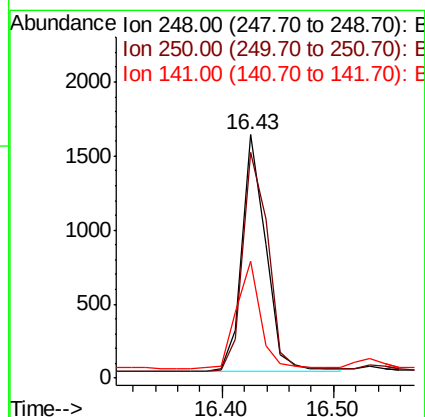
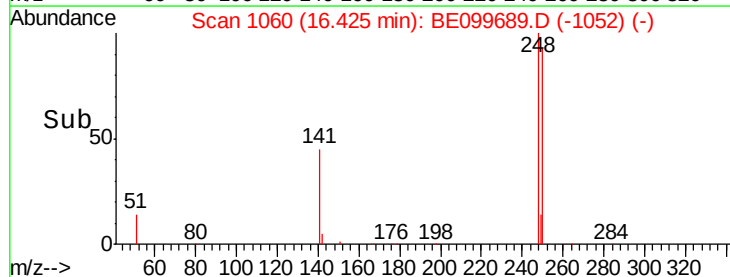
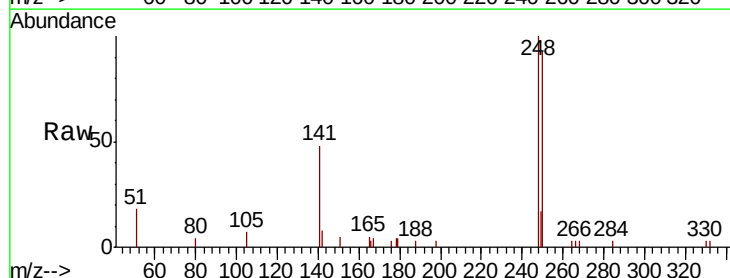
Tgt Ion:248 Resp: 2367

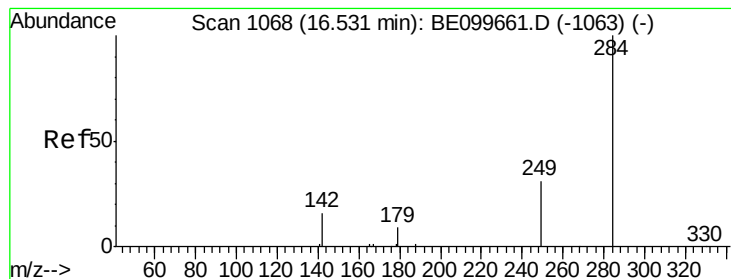
Ion Ratio Lower Upper

248 100

250 92.9 79.8 119.8

141 48.2 27.0 40.6#





#21

Hexachlorobenzene

Concen: 0.363 ng

RT: 16.55 min Scan# 1069

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

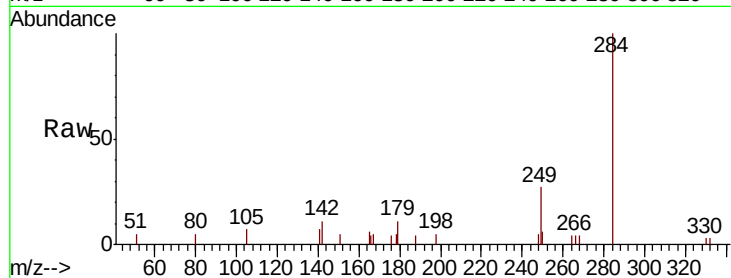
Tot Ion:284 Resp: 2303

Ion Ratio Lower Upper

284 100

142 22.2 17.8 26.6

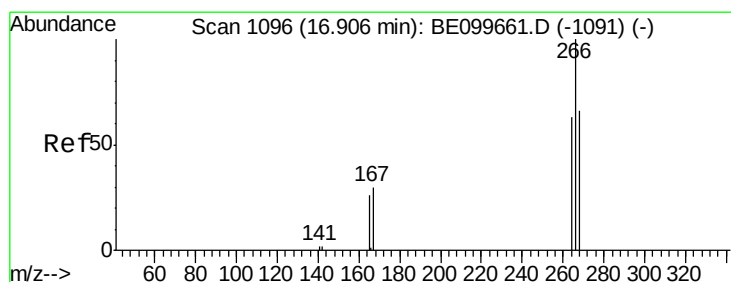
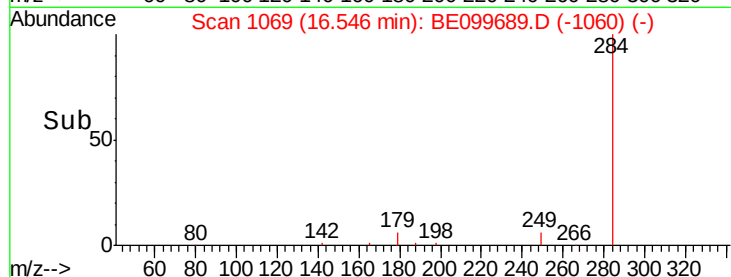
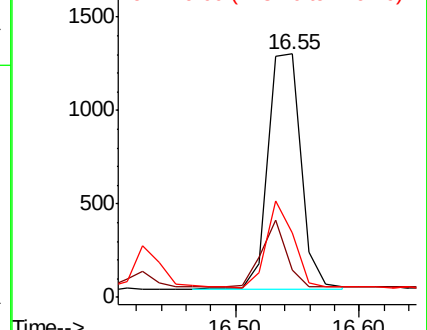
249 29.9 24.8 37.2



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: 1.235 ng

RT: 16.89 min Scan# 1095

Delta R.T. -0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

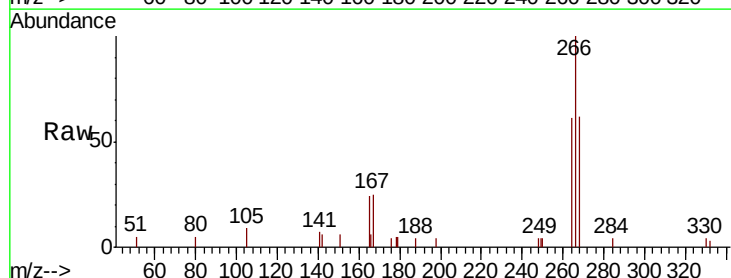
Tgt Ion:266 Resp: 2303

Ion Ratio Lower Upper

266 100

264 61.4 57.2 85.8

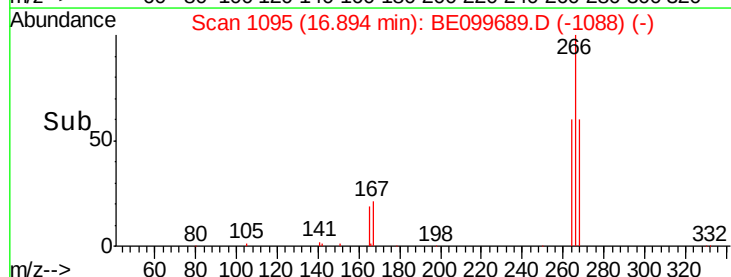
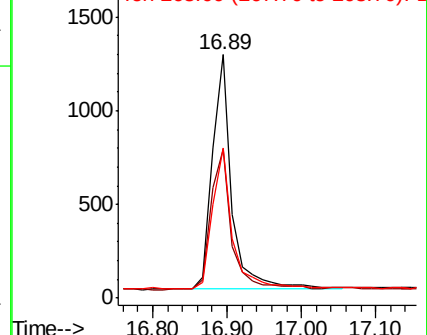
268 61.8 60.5 90.7

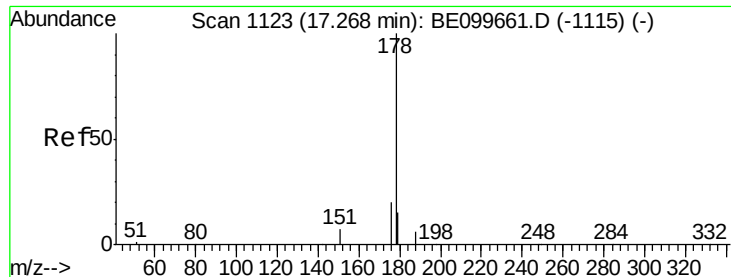


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.391 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

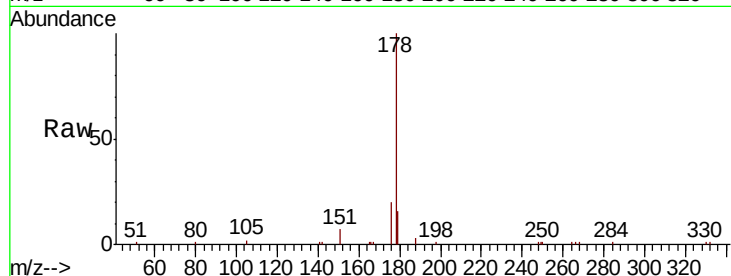
Tot Ion:178 Resp: 10277

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

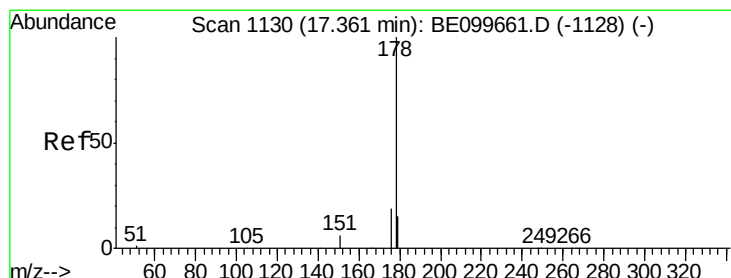
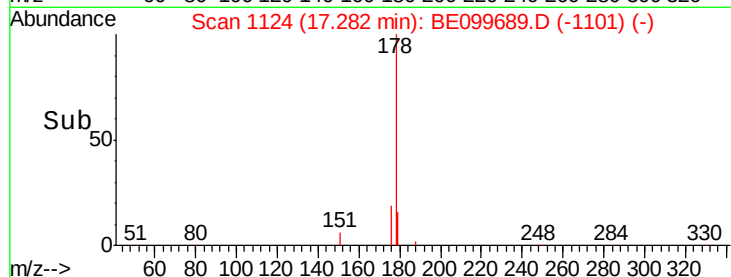
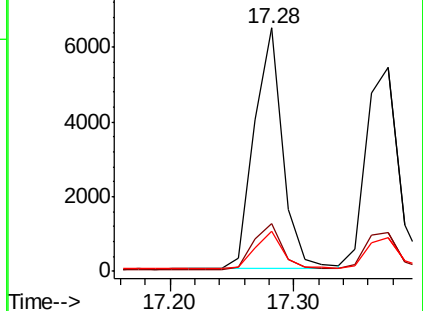
179 15.3 12.2 18.4



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



#24

Anthracene

Concen: 0.406 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

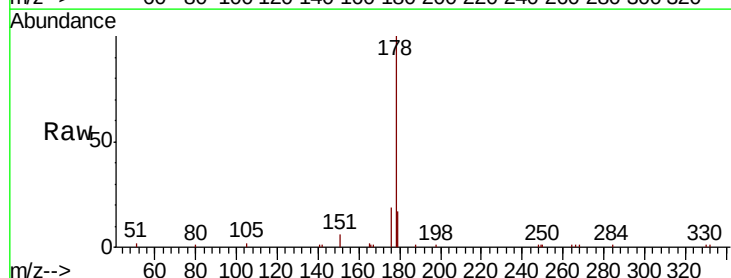
Tgt Ion:178 Resp: 9681

Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

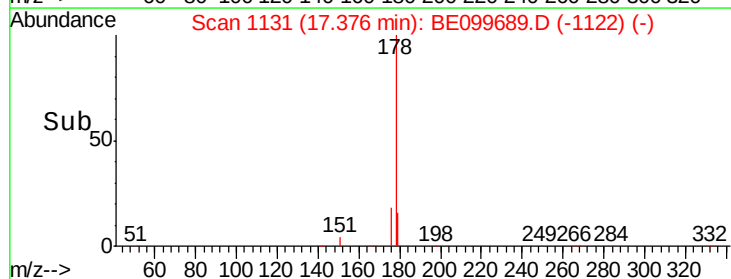
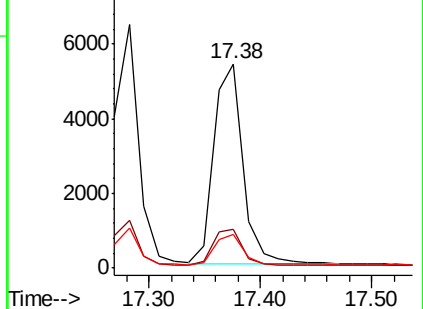
179 15.4 12.0 18.0

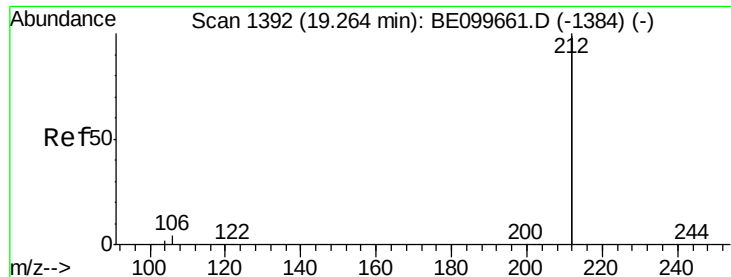


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.385 ng

RT: 19.27 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

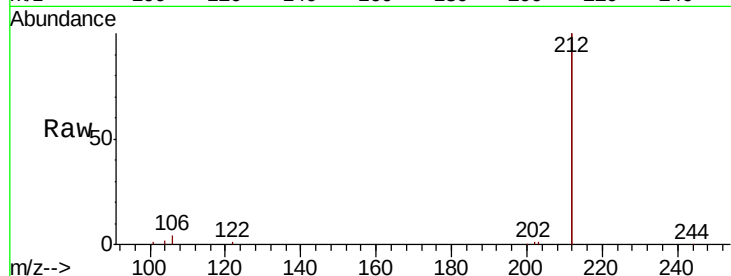
Tot Ion:212 Resp: 56580

Ion Ratio Lower Upper

212 100

106 1.9 1.4 2.2

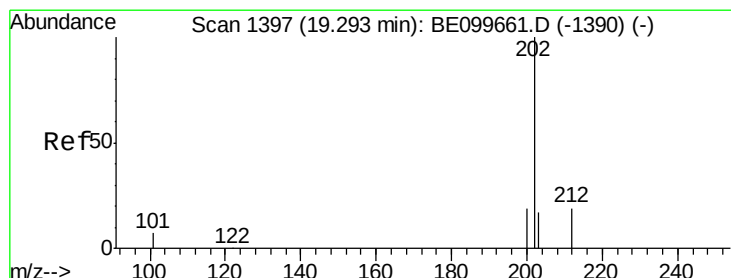
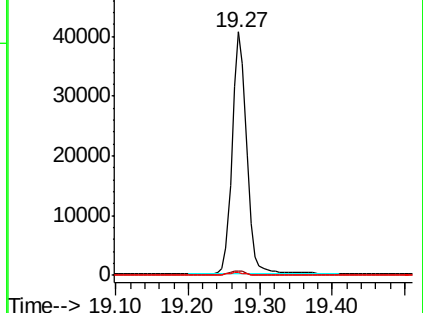
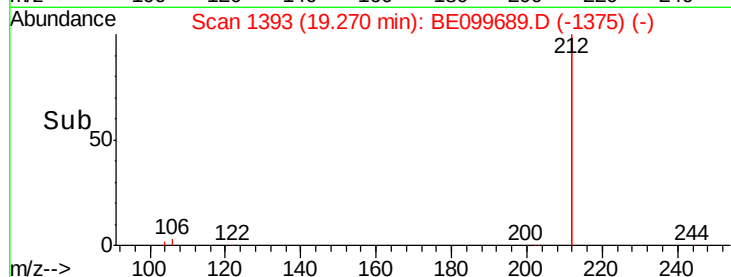
104 1.1 0.8 1.2



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: 0.404 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

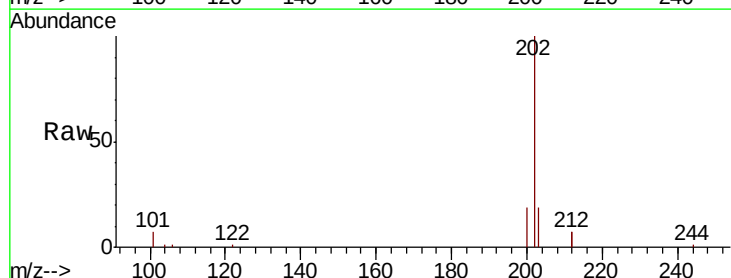
Tgt Ion:202 Resp: 16804

Ion Ratio Lower Upper

202 100

101 7.0 5.2 7.8

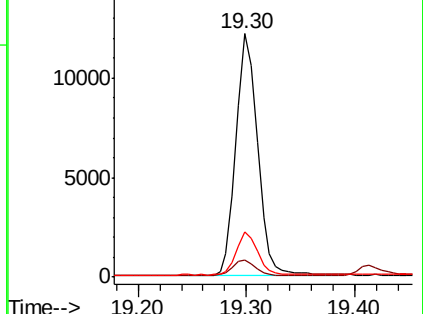
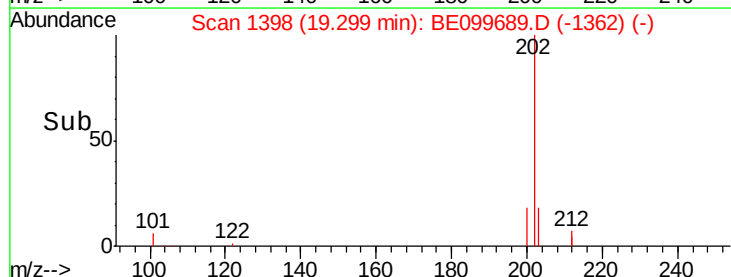
203 17.5 13.8 20.6

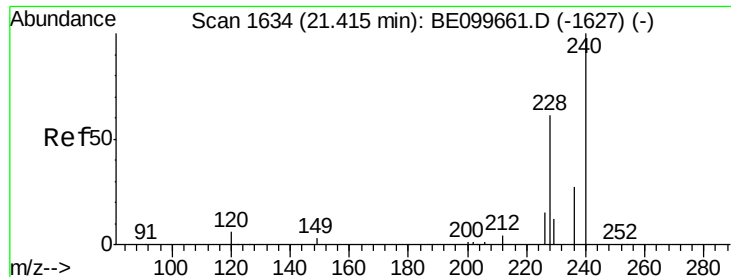


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

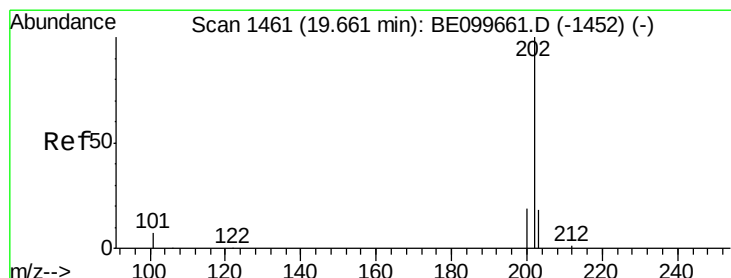
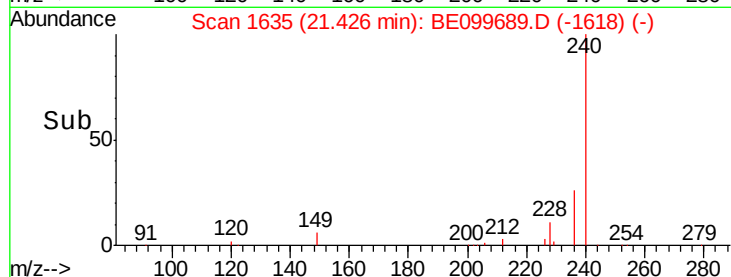
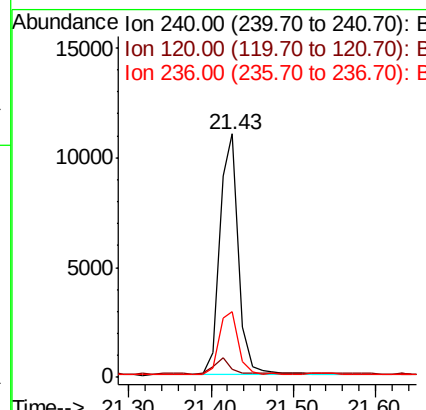
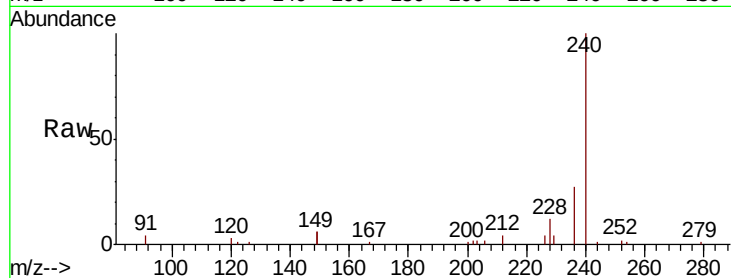




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.43 min Scan# 1635
 Delta R.T. 0.01 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

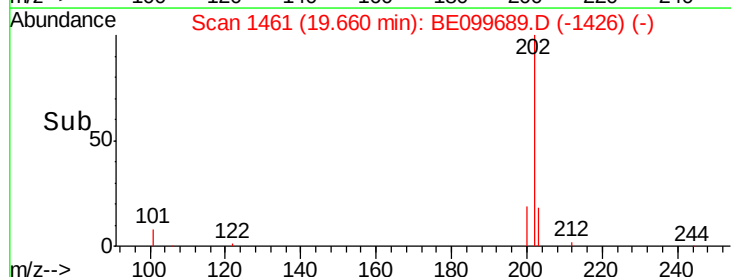
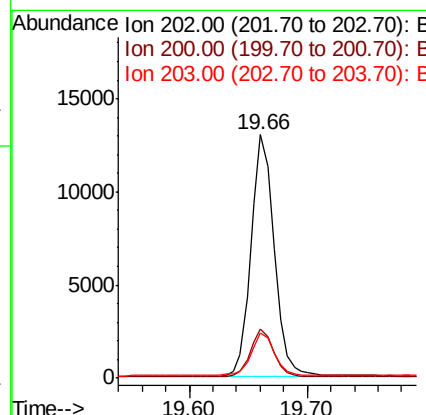
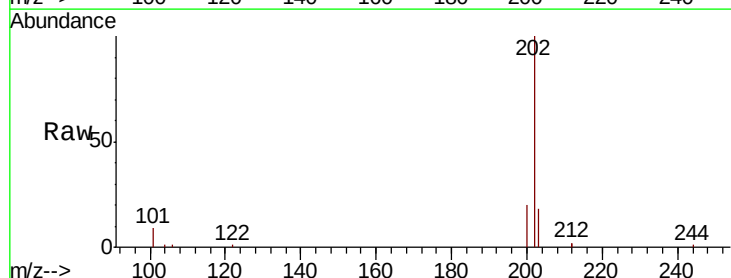
Instrument :
 BNA_E
 ClientSampleId :
 FESB-1(14.5-15)MSD

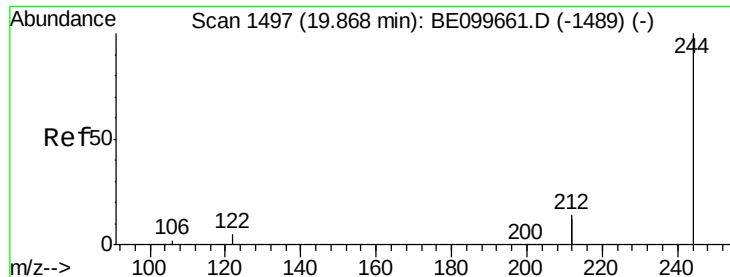
Tot Ion:240 Resp: 17641
 Ion Ratio Lower Upper
 240 100
 120 3.3 5.4 8.0#
 236 26.8 21.7 32.5



#28
 Pyrene
 Concen: 0.402 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: BE099689.D
 Acq: 21 May 2019 14:44

Tgt Ion:202 Resp: 17828
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.4 23.2
 203 18.2 13.8 20.8





#29

Terphenyl-d14

Concen: 0.380 ng

RT: 19.87 min Scan# 1497

Delta R.T. -0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

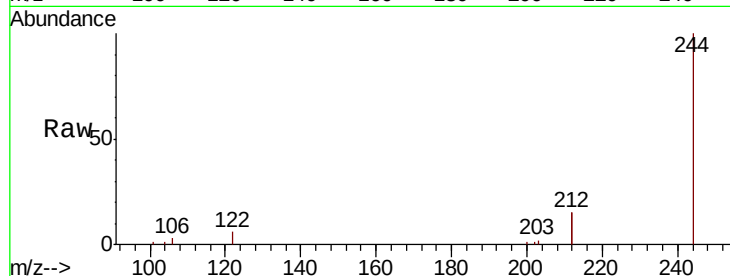
Tot Ion:244 Resp: 11980

Ion Ratio Lower Upper

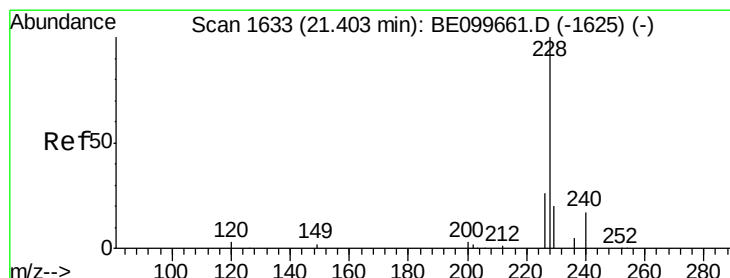
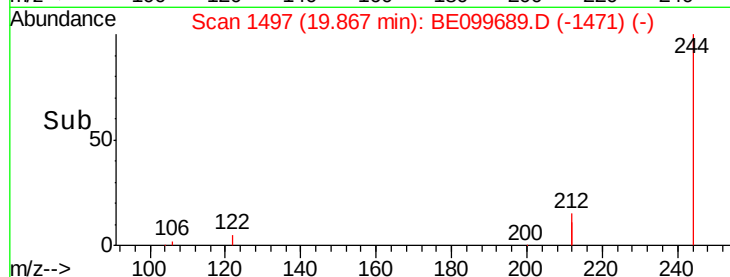
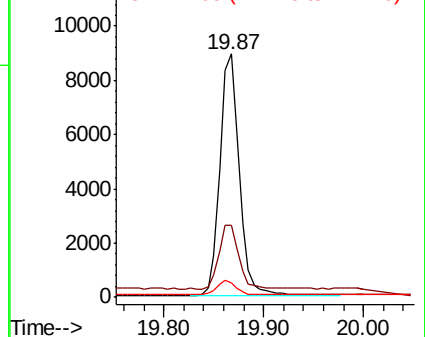
244 100

212 29.5 22.5 33.7

122 5.7 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: 0.436 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

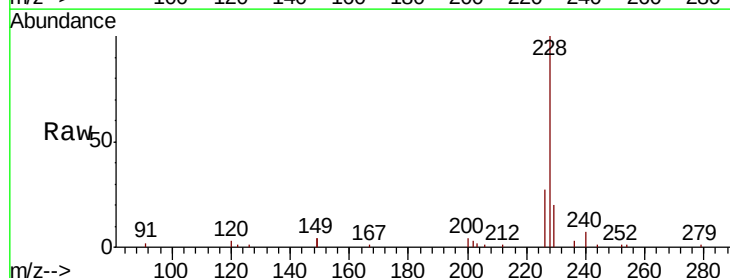
Tgt Ion:228 Resp: 21837

Ion Ratio Lower Upper

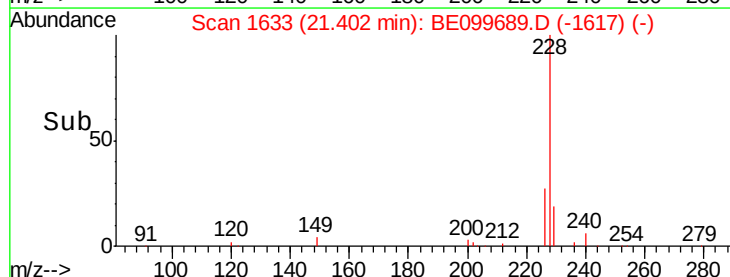
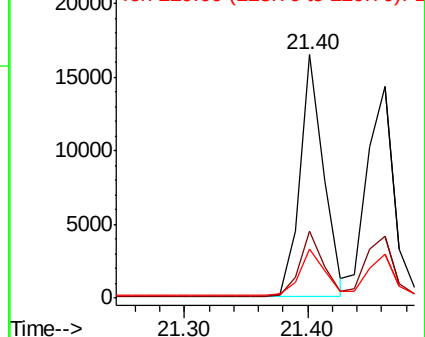
228 100

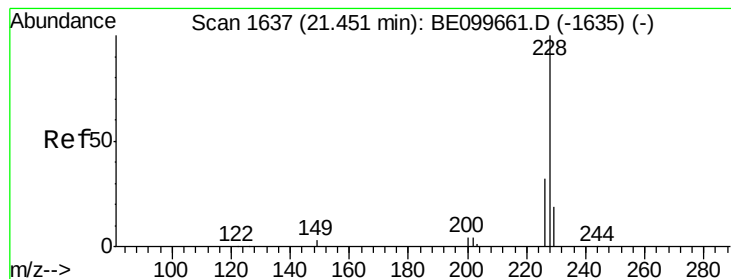
226 27.3 21.3 31.9

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: 0.401 ng

RT: 21.46 min Scan# 1638

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

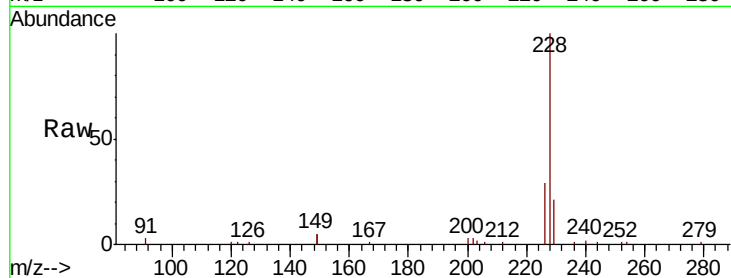
Tot Ion:228 Resp: 21492

Ion Ratio Lower Upper

228 100

226 29.1 24.7 37.1

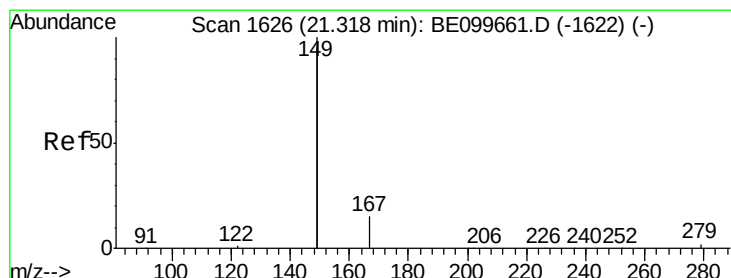
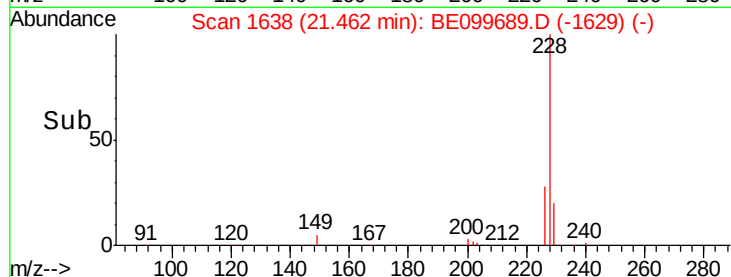
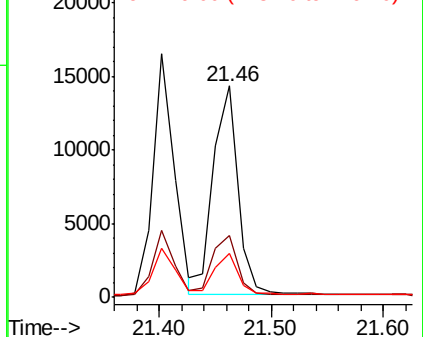
229 20.9 15.8 23.6



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: 0.780 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

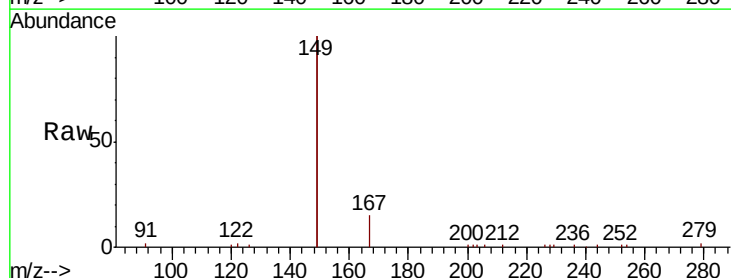
Tgt Ion:149 Resp: 45062

Ion Ratio Lower Upper

149 100

167 7.6 6.2 9.4

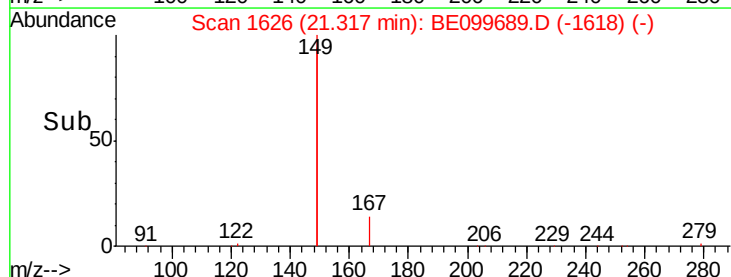
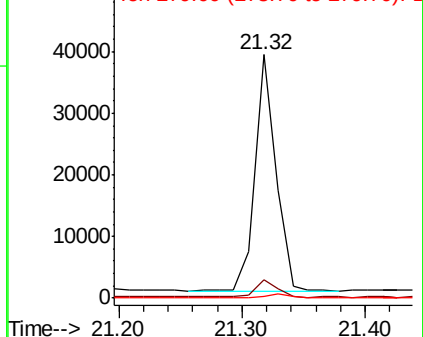
279 1.5 1.2 1.8

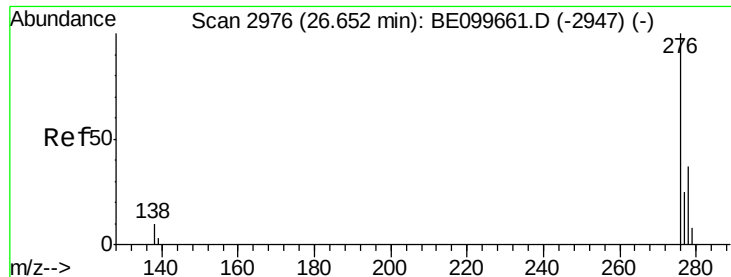


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.373 ng

RT: 26.65 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

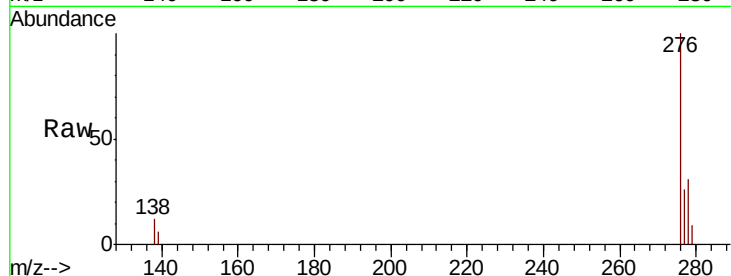
Tot Ion:276 Resp: 24130

Ion Ratio Lower Upper

276 100

138 12.1 9.6 14.4

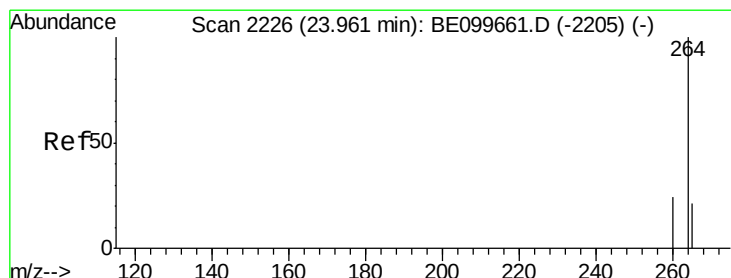
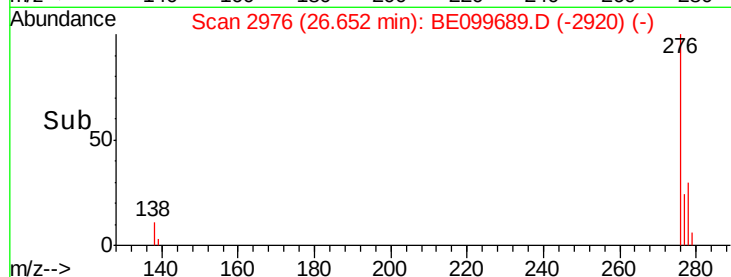
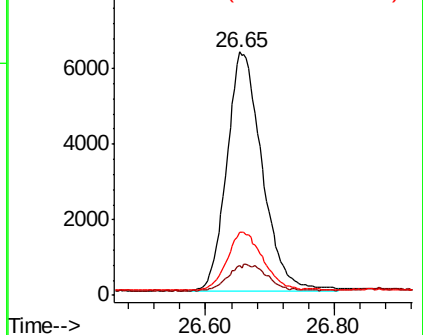
277 24.2 19.2 28.8



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: 23.97 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

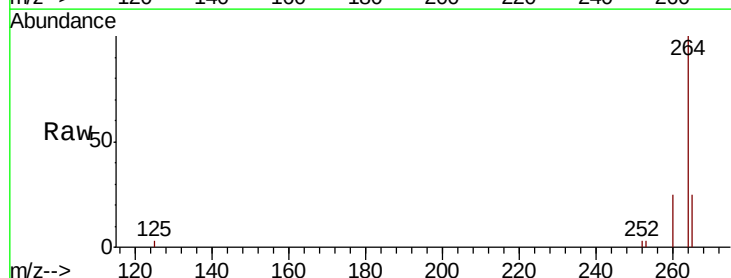
Tgt Ion:264 Resp: 21860

Ion Ratio Lower Upper

264 100

260 25.0 19.6 29.4

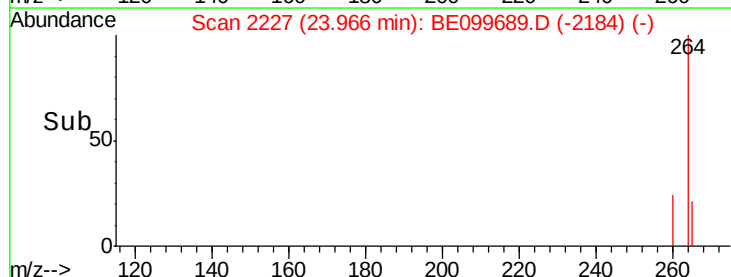
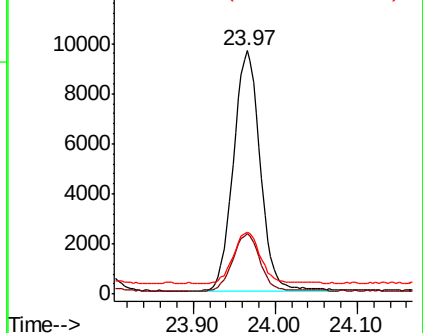
265 25.5 19.1 28.7

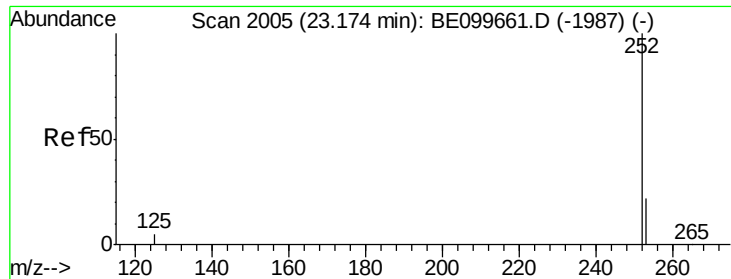


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

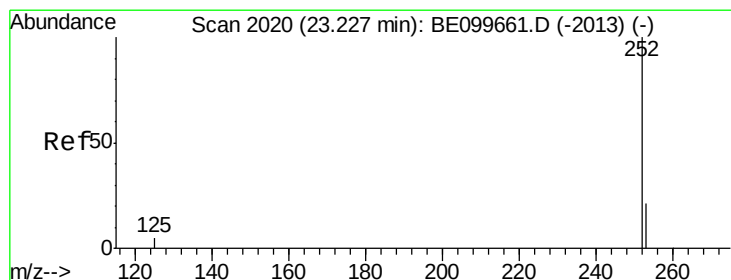
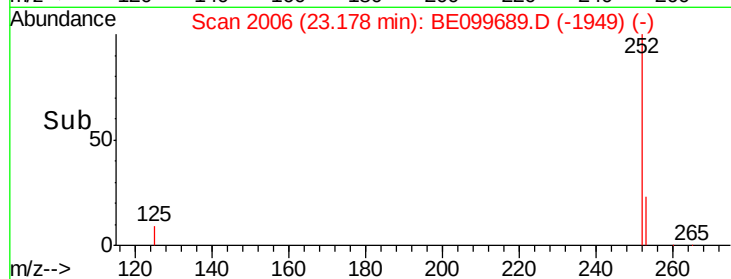
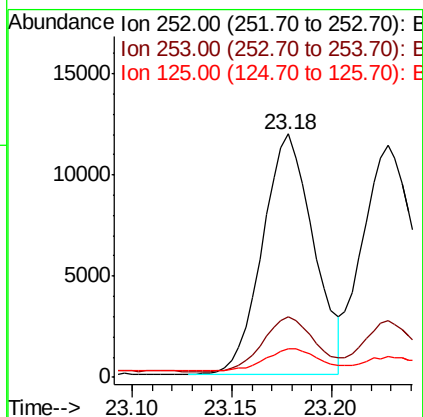
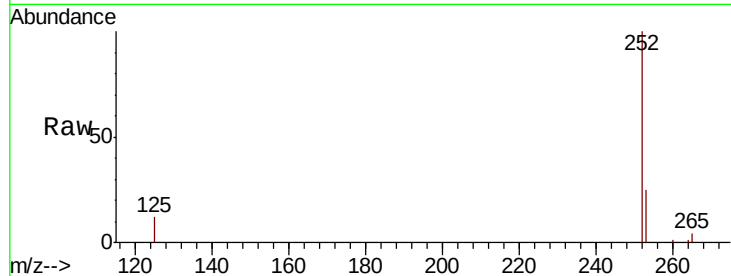




#35
Benzo(b)fluoranthene
Concen: 0.351 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BE099689.D
Acq: 21 May 2019 14:44

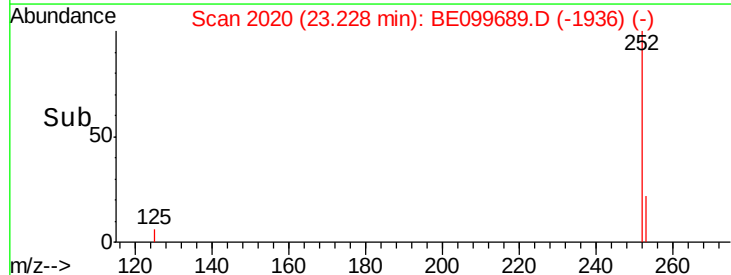
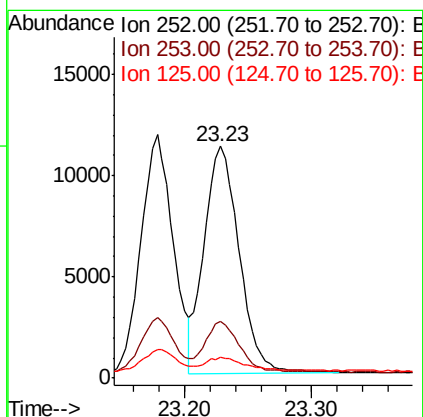
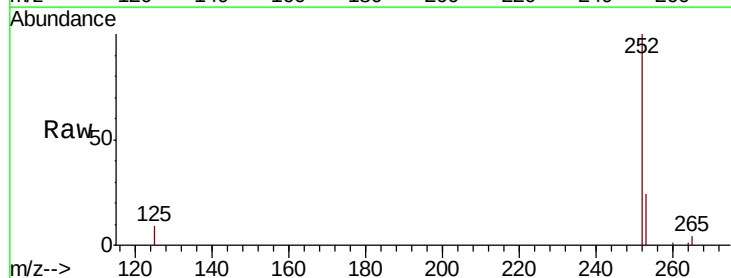
Instrument :
BNA_E
ClientSampleId :
FESB-1(14.5-15)MSD

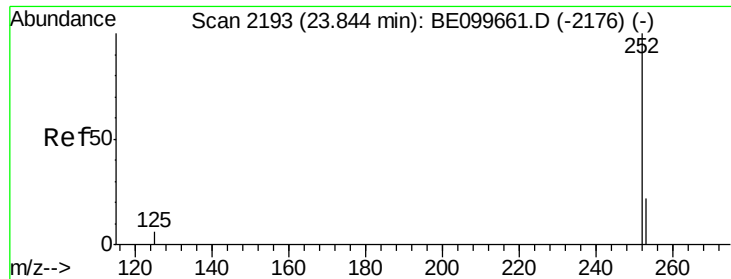
Tot Ion:252 Resp: 21026
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.4
125 11.6 4.5 6.7#



#36
Benzo(k)fluoranthene
Concen: 0.344 ng
RT: 23.23 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BE099689.D
Acq: 21 May 2019 14:44

Tgt Ion:252 Resp: 21461
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 9.0 4.6 6.8#





#37

Benzo(a)pyrene

Concen: 0.352 ng

RT: 23.85 min Scan# 2194

Delta R.T. 0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

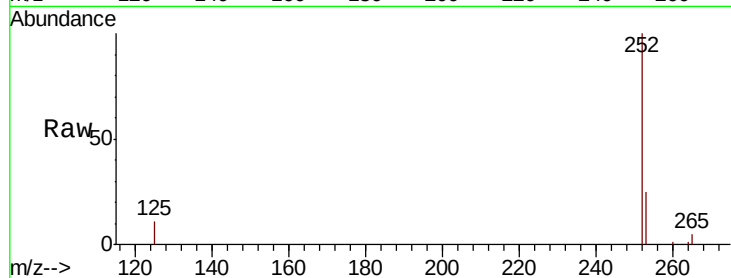
Tot Ion:252 Resp: 20319

Ion Ratio Lower Upper

252 100

253 25.1 18.9 28.3

125 11.5 5.4 8.0#

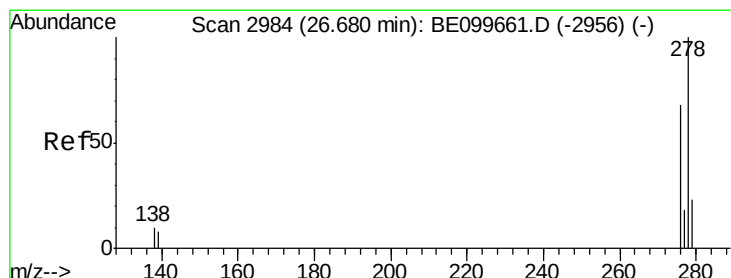
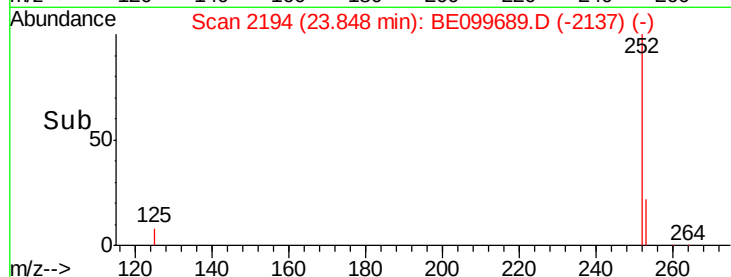
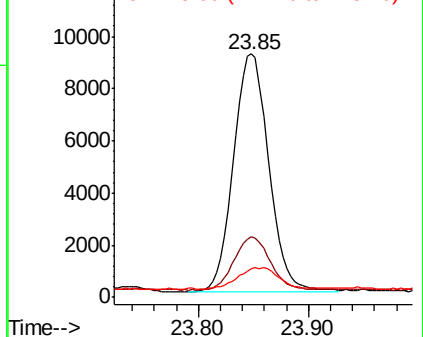


Abundance

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: 0.335 ng

RT: 26.68 min Scan# 2985

Delta R.T. 0.00 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

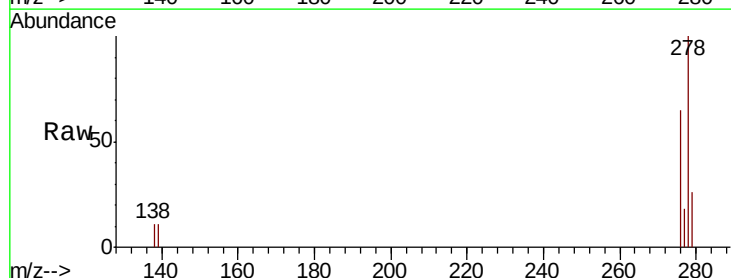
Tgt Ion:278 Resp: 20294

Ion Ratio Lower Upper

278 100

139 11.3 6.9 10.3#

279 26.2 19.2 28.8

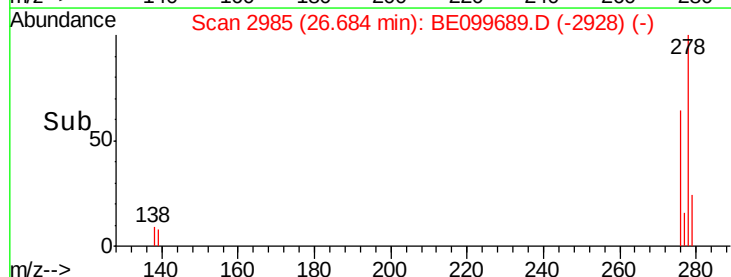
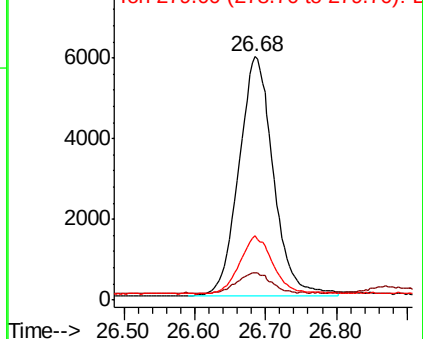


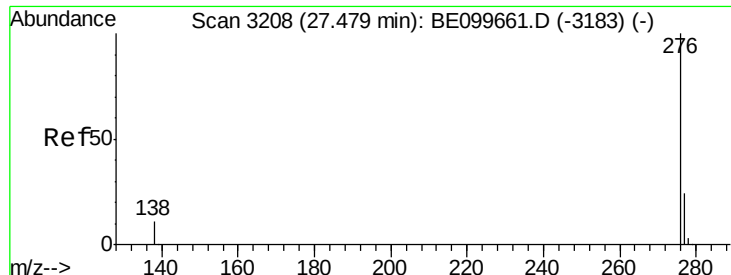
Abundance

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: 0.329 ng

RT: 27.49 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE099689.D

Acq: 21 May 2019 14:44

Instrument :

BNA_E

ClientSampleId :

FESB-1(14.5-15)MSD

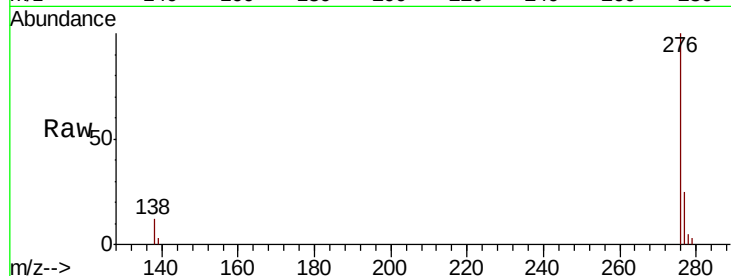
Tot Ion: 276 Resp: 20095

Ion Ratio Lower Upper

276 100

277 24.8 19.8 29.6

138 11.7 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

