

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE052219\
 Data File : BE099722.D
 Acq On : 22 May 2019 16:22
 Operator : JU/SJ
 Sample : K2966-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-14(4.5-5)MSD

Quant Time: May 23 07:59:03 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	7.80	152	1491	0.40	ng	-0.01
7) Naphthalene-d8	10.61	136	5069	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3585	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11114	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16484	0.40	ng	0.00
34) Perylene-d12	23.96	264	19618	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	1358	0.36	ng	0.00
5) Phenol-d6	6.96	99	1934	0.39	ng	-0.01
8) Nitrobenzene-d5	8.97	82	1606	0.37	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2831	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	794	0.42	ng	-0.01
15) 2-Fluorobiphenyl	13.10	172	3859	0.28	ng	0.00
25) Fluoranthene-d10	19.26	212	41347	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	8525	0.29	ng	-0.01

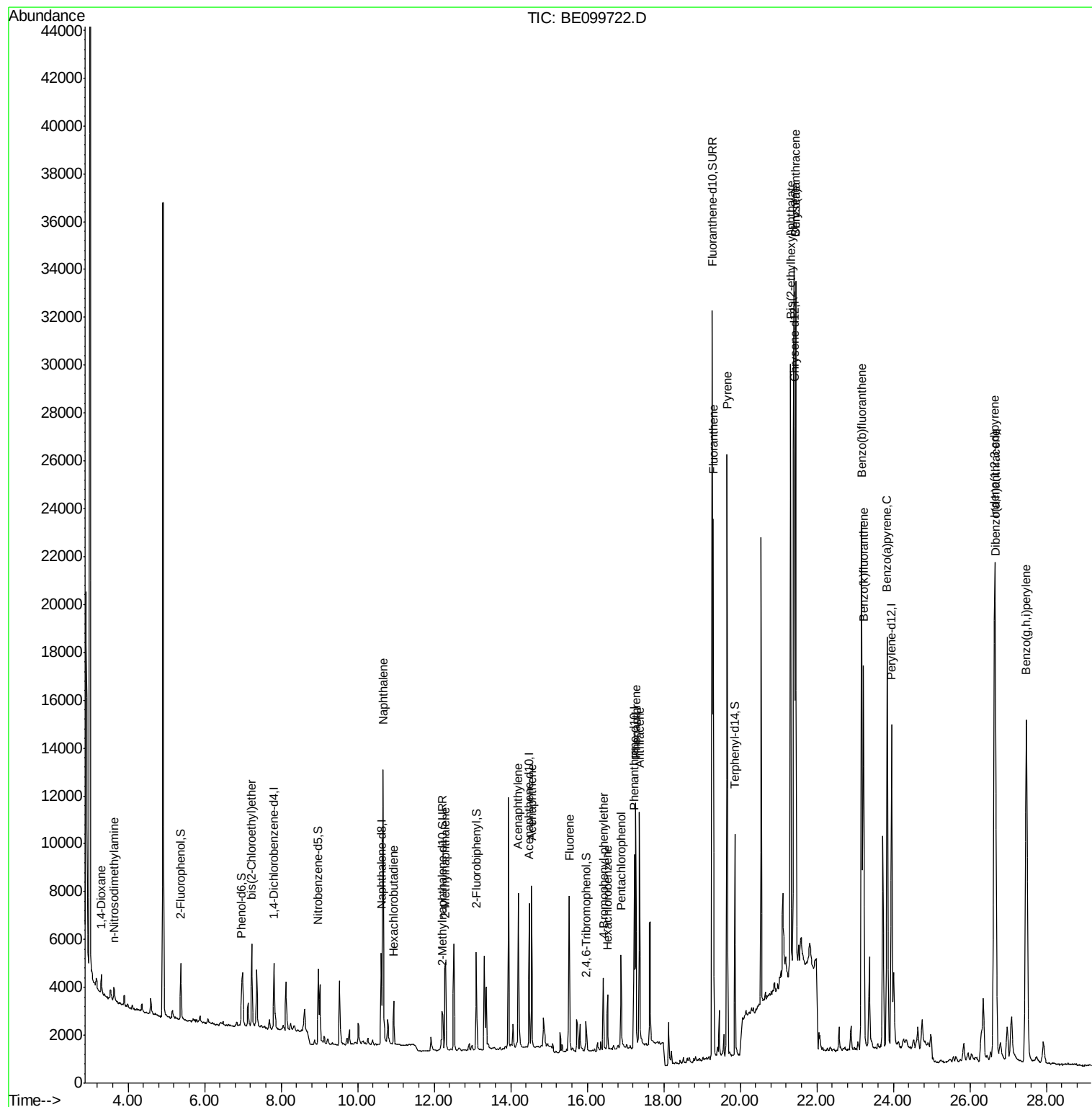
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	514	0.233	ng	# 14
3) n-Nitrosodimethylamine	3.62	42	421	0.345	ng	# 95
6) bis(2-Chloroethyl)ether	7.23	93	1465	0.330	ng	98
9) Naphthalene	10.67	128	20705	0.382	ng	99
10) Hexachlorobutadiene	10.94	225	1282	0.321	ng	98
12) 2-Methylnaphthalene	12.30	142	3135	0.355	ng	97
16) Acenaphthylene	14.20	152	8700	0.521	ng	99
17) Acenaphthene	14.54	154	3276	0.349	ng	98
18) Fluorene	15.53	166	4981	0.361	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	1995	0.311	ng	92
21) Hexachlorobenzene	16.53	284	2048	0.312	ng	99
22) Pentachlorophenol	16.88	266	2373	1.233	ng	90
23) Phenanthrene	17.27	178	10704	0.394	ng	99
24) Anthracene	17.36	178	10745	0.436	ng	99
26) Fluoranthene	19.29	202	21572	0.502	ng	100
28) Pyrene	19.65	202	24059	0.581	ng	97
30) Benzo(a)anthracene	21.45	228	24468	0.522	ng	94
31) Chrysene	21.45	228	24243	0.484	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	33320	0.617	ng	100
33) Indeno(1,2,3-cd)pyrene	26.64	276	42350	0.700	ng	99
35) Benzo(b)fluoranthene	23.17	252	33630	0.626	ng	# 95
36) Benzo(k)fluoranthene	23.22	252	23375	0.417	ng	# 96
37) Benzo(a)pyrene	23.84	252	28832	0.557	ng	# 97
38) Dibenzo(a,h)anthracene	26.67	278	21345	0.393	ng	97
39) Benzo(g,h,i)perylene	27.48	276	38673	0.705	ng	99

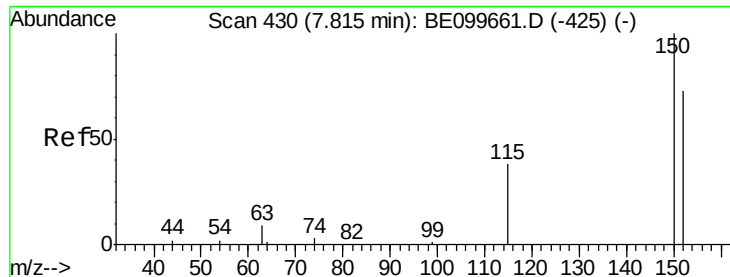
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

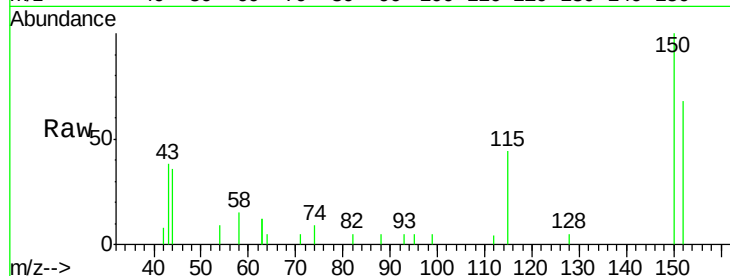
Tgt Ion:152 Resp: 1491

Ion Ratio Lower Upper

152 100

150 147.8 109.2 163.8

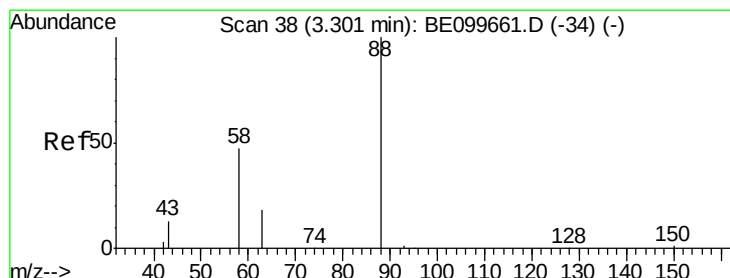
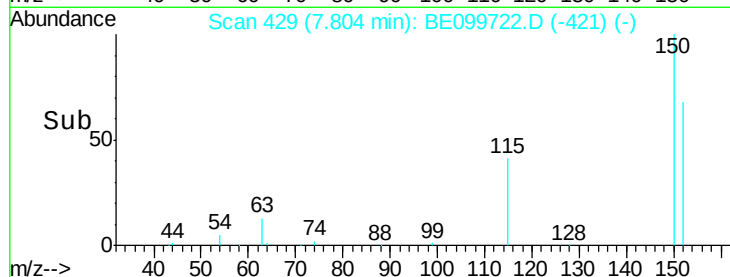
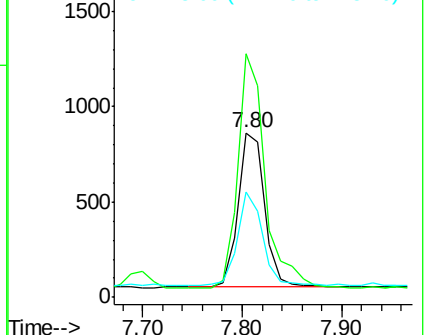
115 64.4 43.7 65.5



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: 0.233 ng

RT: 3.30 min Scan# 38

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

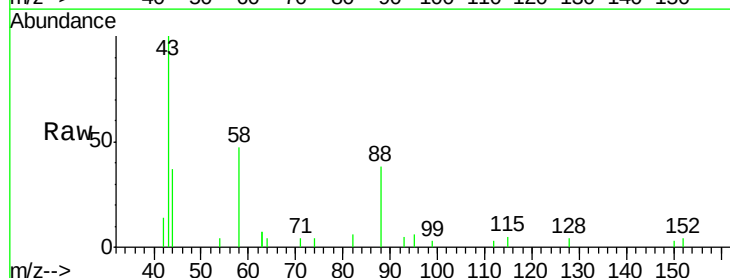
Tgt Ion: 88 Resp: 514

Ion Ratio Lower Upper

88 100

58 91.1 41.8 62.8#

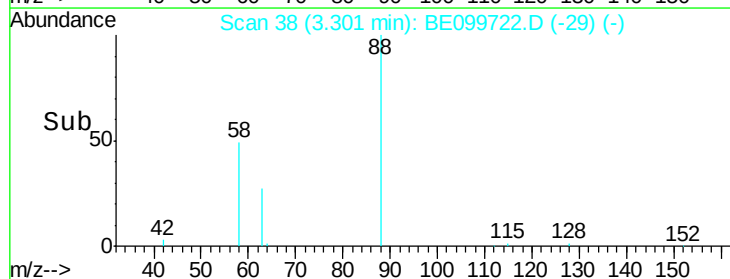
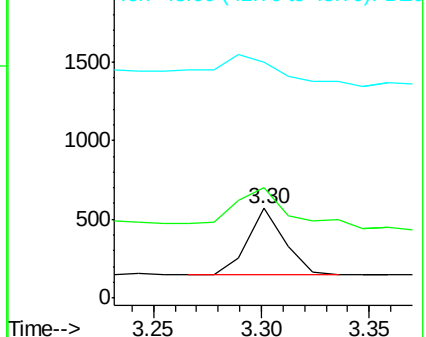
43 96.7 15.0 22.4#

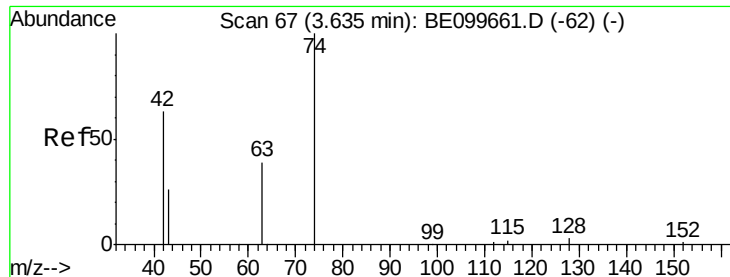


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.345 ng

RT: 3.62 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

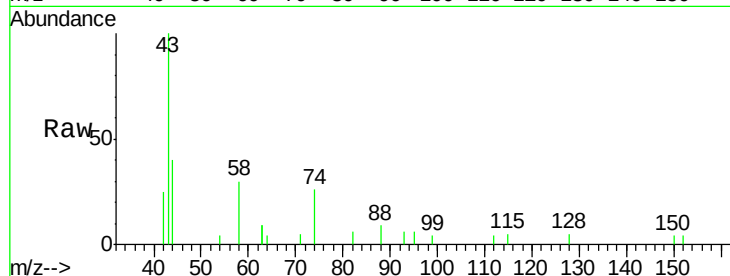
Tgt Ion: 42 Resp: 421

Ion Ratio Lower Upper

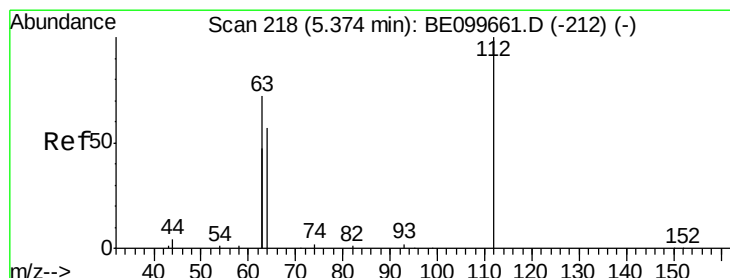
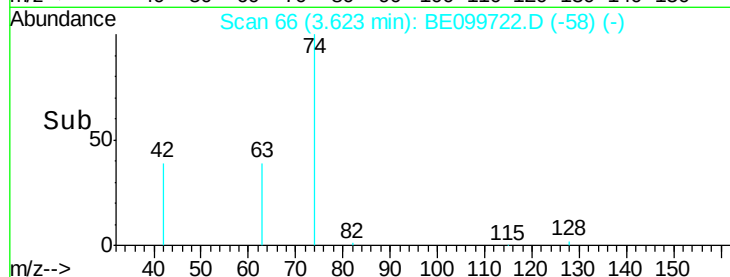
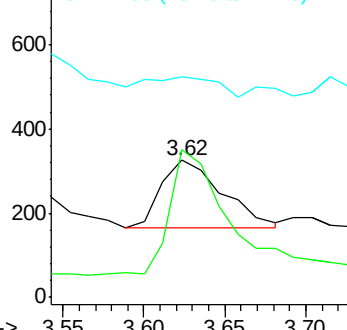
42 100

74 168.2 129.2 193.8

44 35.9 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: 0.360 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

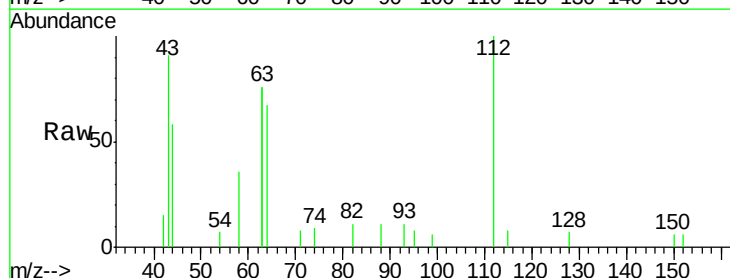
Tgt Ion: 112 Resp: 1358

Ion Ratio Lower Upper

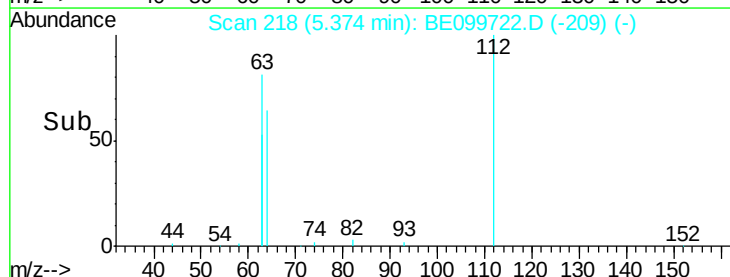
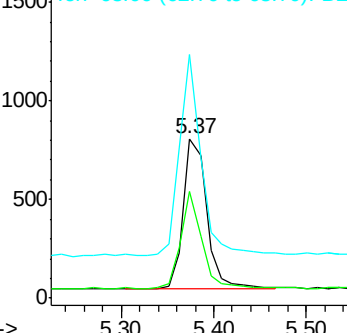
112 100

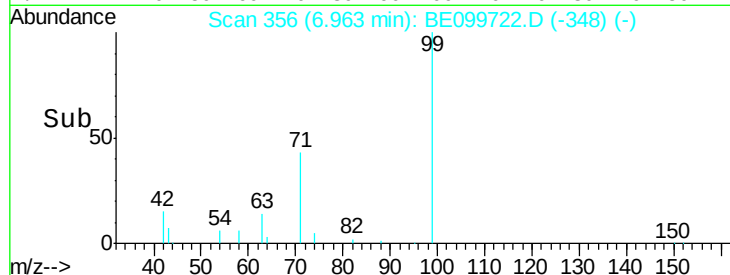
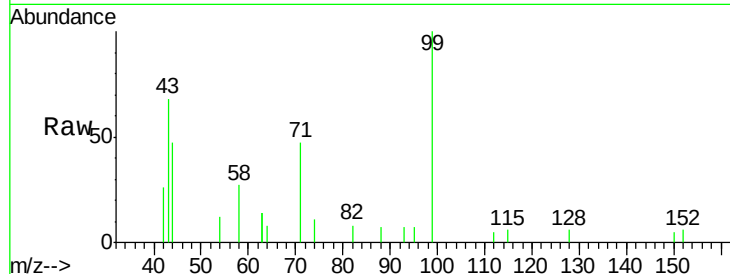
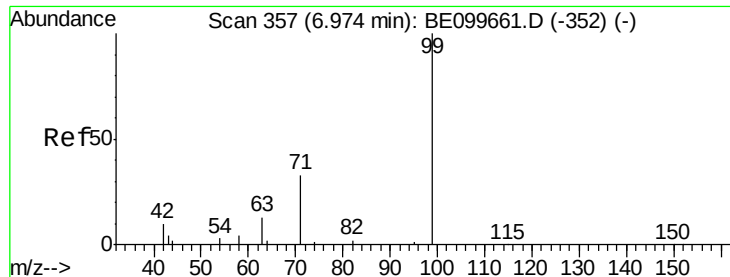
64 59.3 43.4 65.2

63 123.9 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: 0.388 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

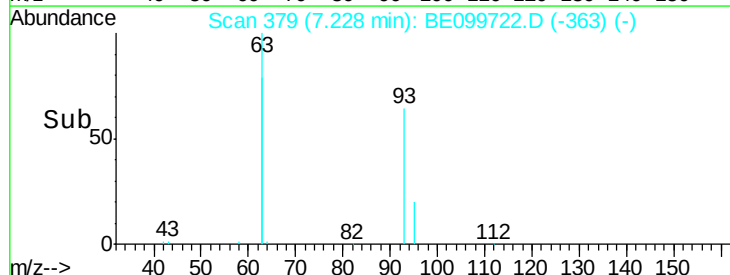
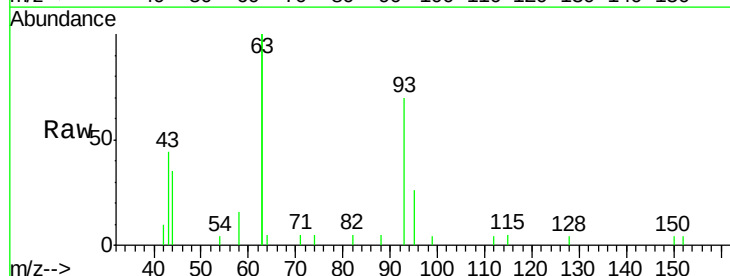
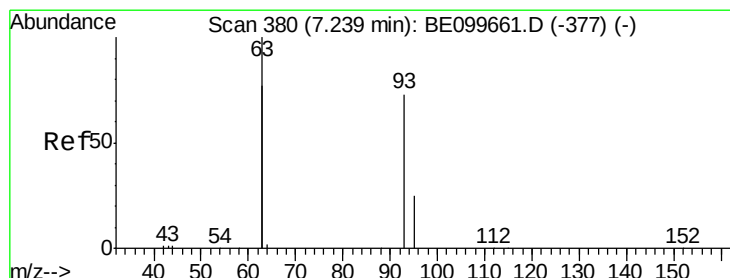
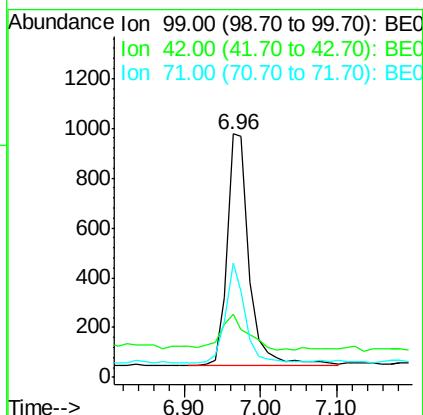
Tgt Ion: 99 Resp: 1934

Ion Ratio Lower Upper

99 100

42 17.5 12.2 18.2

71 38.5 28.9 43.3



#6

bis(2-Chloroethyl)ether

Concen: 0.330 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

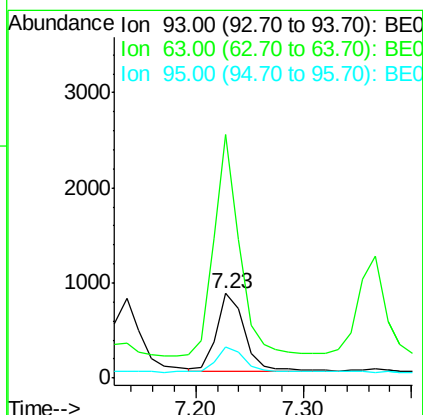
Tgt Ion: 93 Resp: 1465

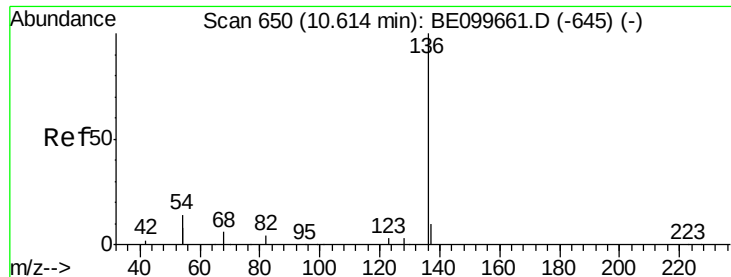
Ion Ratio Lower Upper

93 100

63 263.4 207.8 311.6

95 33.3 25.9 38.9





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

Tgt Ion:136 Resp: 5069

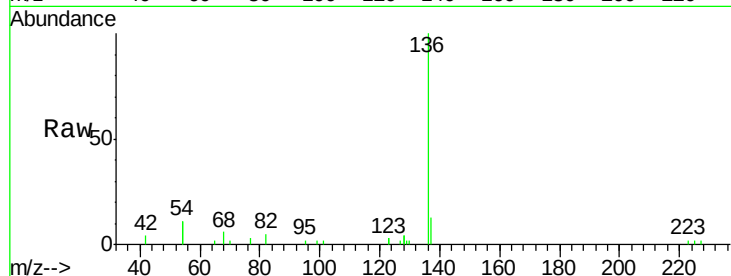
Ion Ratio Lower Upper

136 100

137 12.6 9.0 13.6

54 22.8 22.3 33.5

68 5.9 6.0 9.0#

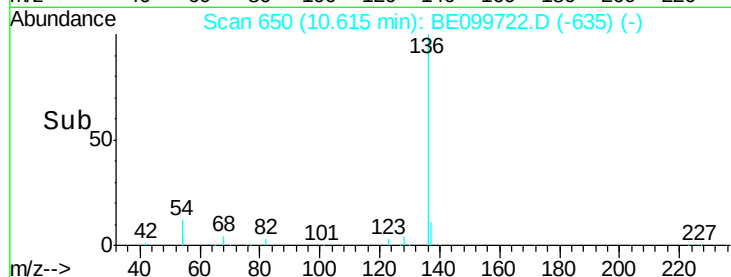


Abundance Ion 136.00 (135.70 to 136.70): E

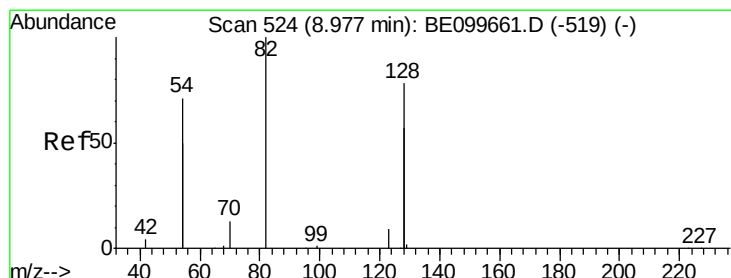
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



Time-->



#8

Nitrobenzene-d5

Concen: 0.366 ng

RT: 8.97 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

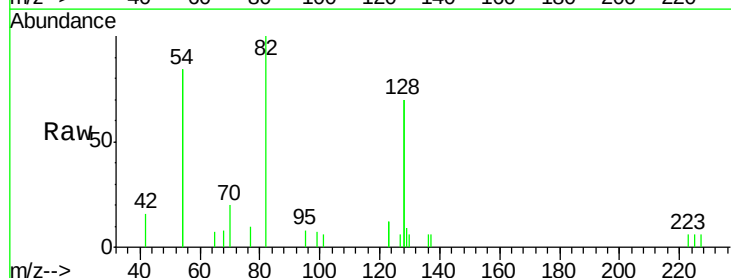
Tgt Ion: 82 Resp: 1606

Ion Ratio Lower Upper

82 100

128 139.8 117.7 176.5

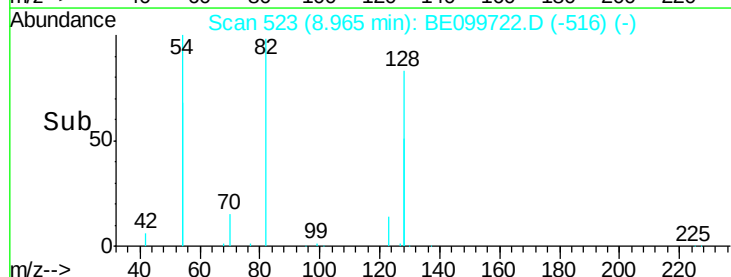
54 168.1 106.6 160.0#



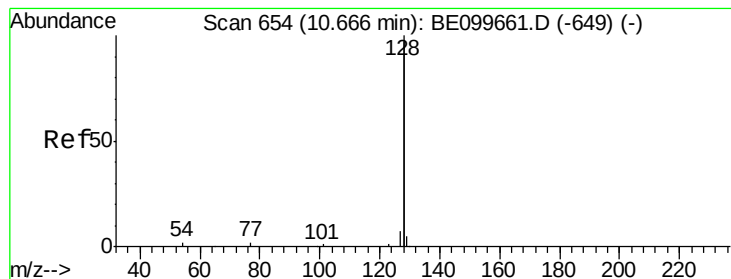
Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0



Time-->



#9

Naphthalene

Concen: 0.382 ng

RT: 10.67 min Scan# 654

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

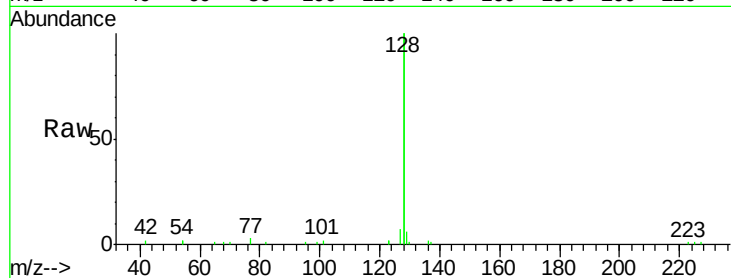
Tgt Ion:128 Resp: 20705

Ion Ratio Lower Upper

128 100

129 3.2 2.4 3.6

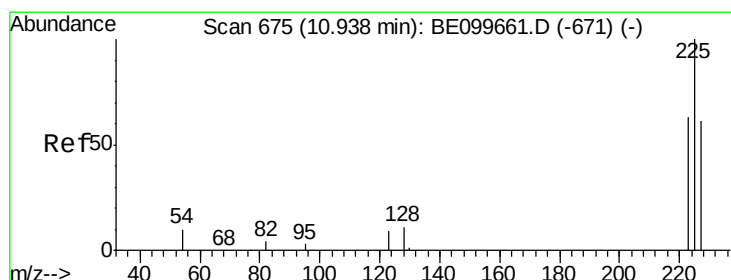
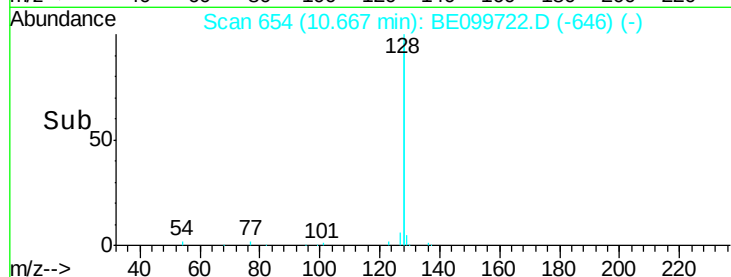
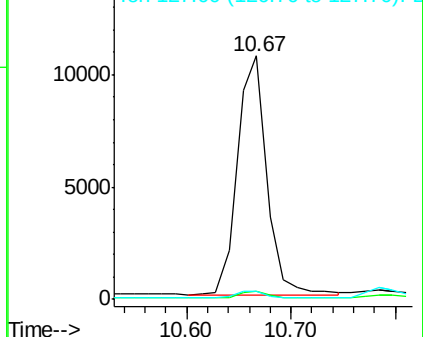
127 3.4 2.9 4.3



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: 0.321 ng

RT: 10.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

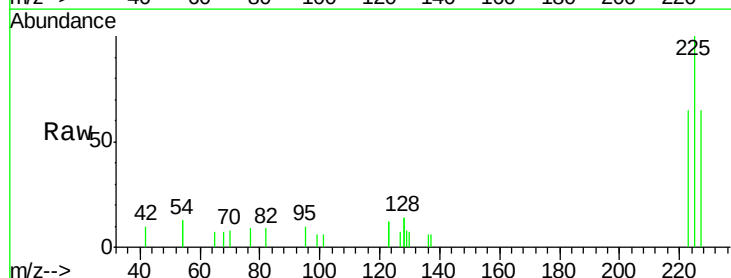
Tgt Ion:225 Resp: 1282

Ion Ratio Lower Upper

225 100

223 63.8 51.8 77.6

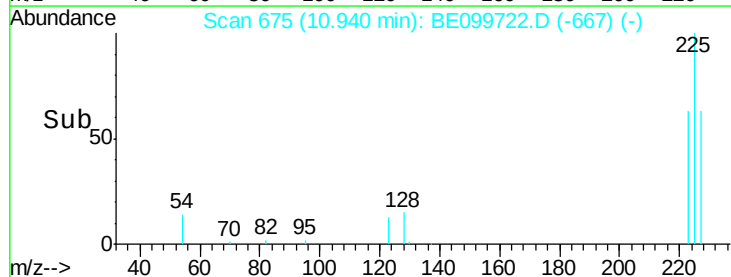
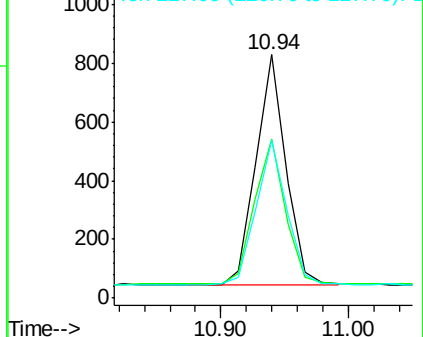
227 63.7 52.6 79.0

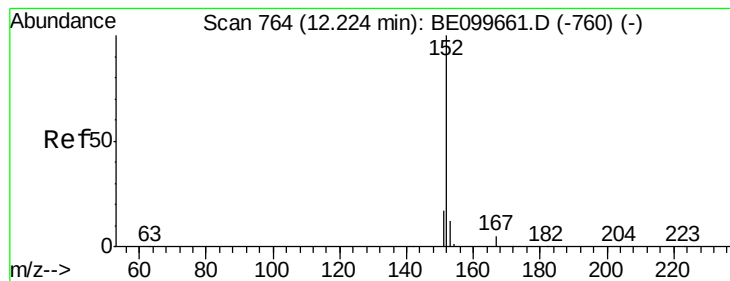


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

RT: 12.21 min Scan# 763

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

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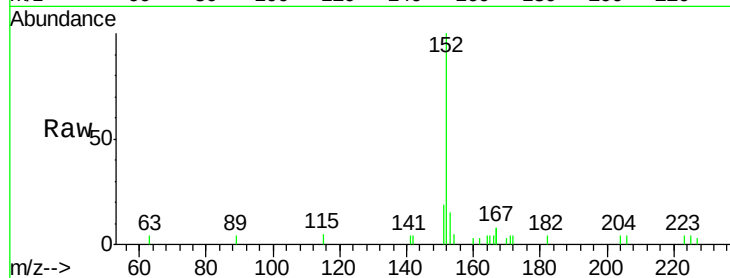
FESB-14(4.5-5)MSD

Tgt Ion:152 Resp: 2831

Ion Ratio Lower Upper

152 100

151 18.1 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.21

1500

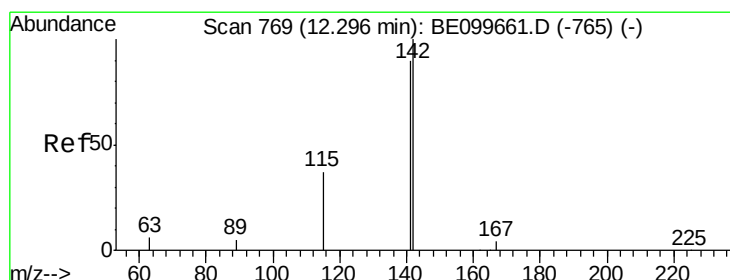
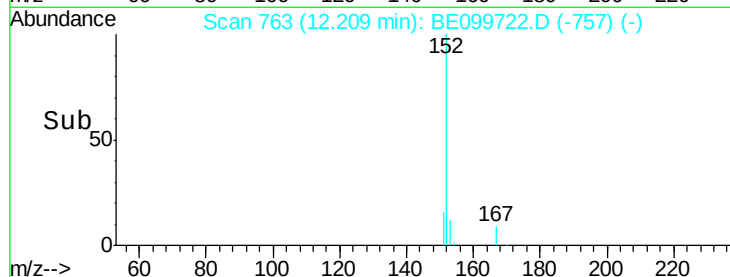
1000

500

0

Time-->

12.10 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.355 ng

RT: 12.30 min Scan# 769

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

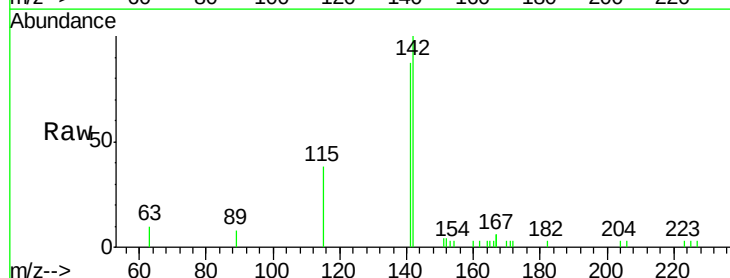
Tgt Ion:142 Resp: 3135

Ion Ratio Lower Upper

142 100

141 87.1 72.0 108.0

115 37.8 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

12.30

2000

1500

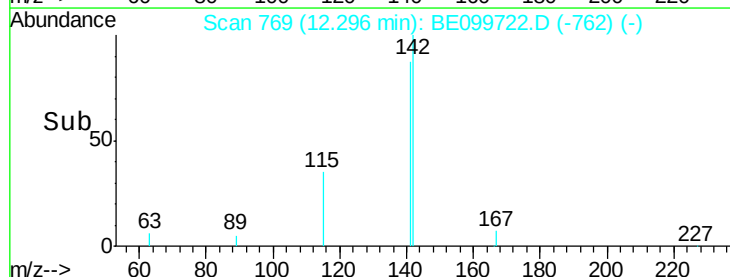
1000

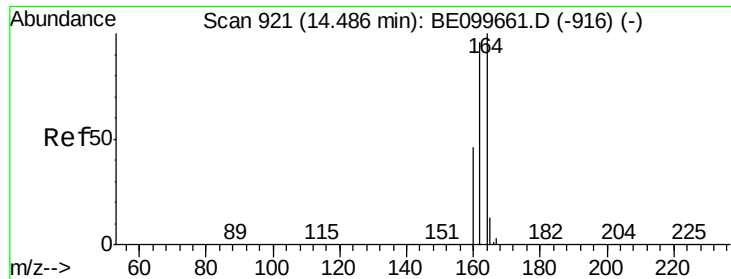
500

0

Time-->

12.20 12.30 12.40

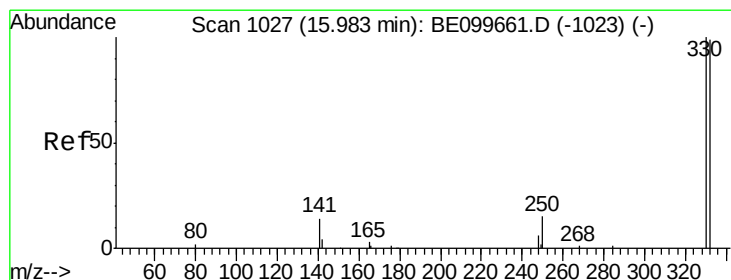
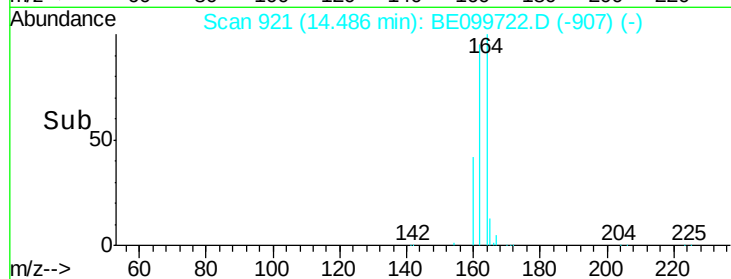
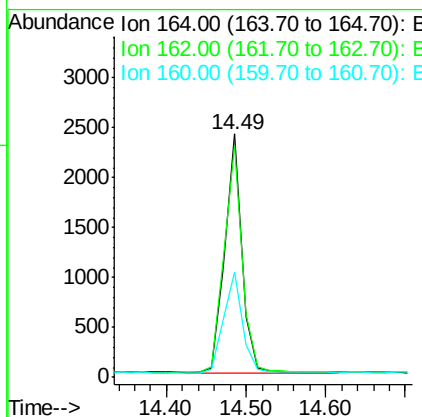
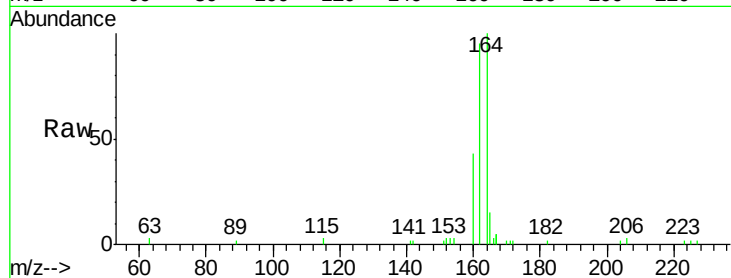




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099722.D
 Acq: 22 May 2019 16:22

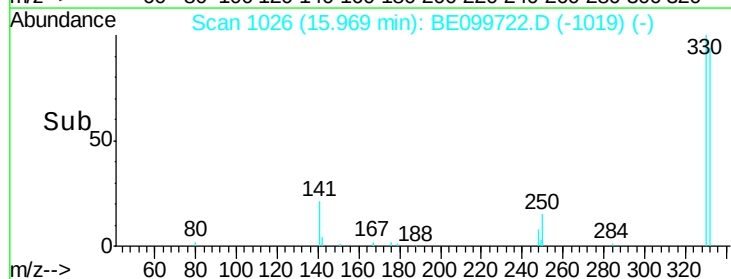
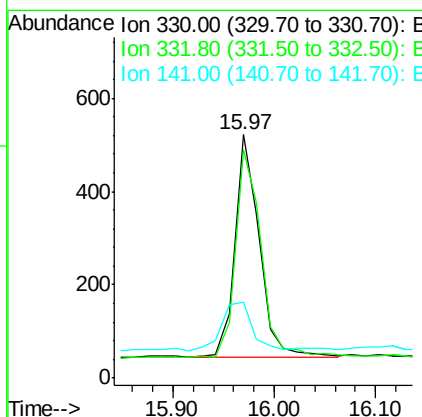
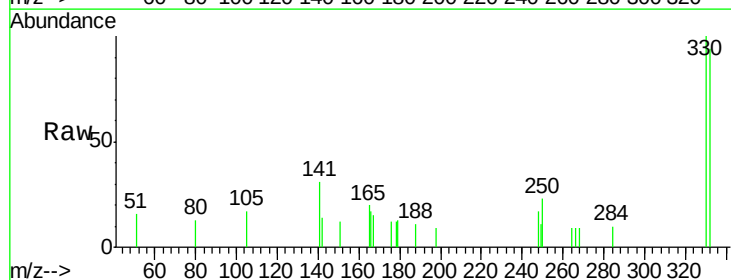
Instrument :
 BNA_E
 ClientSampleId :
 FESB-14(4.5-5)MSD

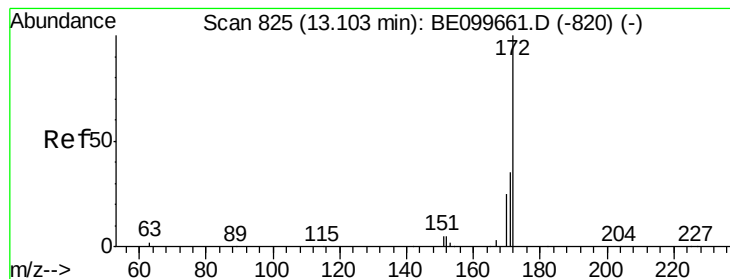
Tgt Ion:164 Resp: 3585
 Ion Ratio Lower Upper
 164 100
 162 95.3 76.5 114.7
 160 43.3 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.421 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099722.D
 Acq: 22 May 2019 16:22

Tgt Ion:330 Resp: 794
 Ion Ratio Lower Upper
 330 100
 332 100.1 77.3 115.9
 141 30.1 18.9 28.3#





#15

2-Fluorobiphenyl

Concen: 0.284 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

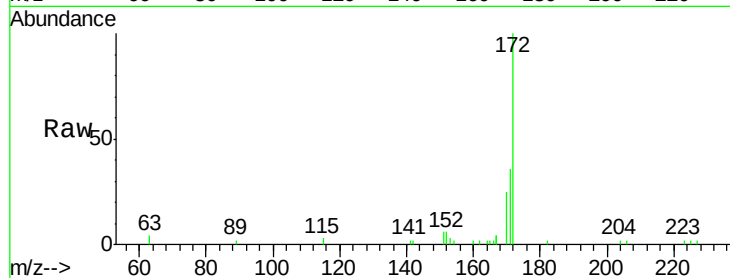
Tgt Ion:172 Resp: 3859

Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

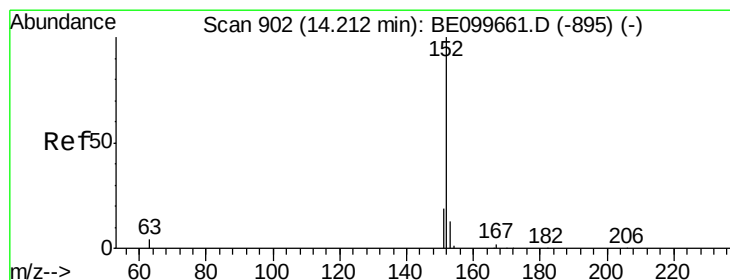
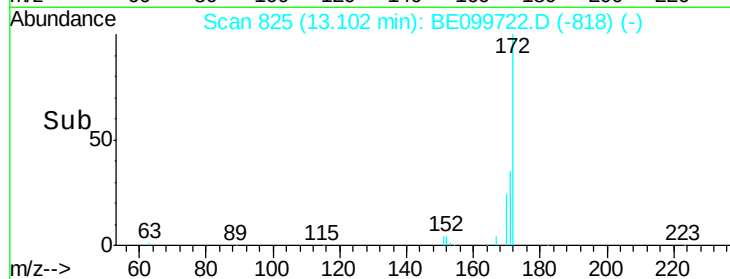
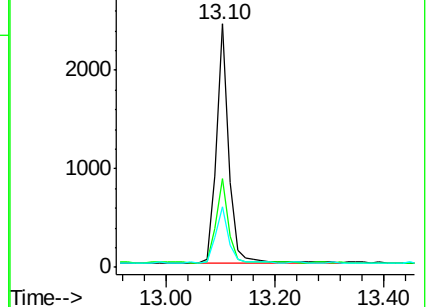
170 25.0 20.9 31.3



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: 0.521 ng

RT: 14.20 min Scan# 901

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

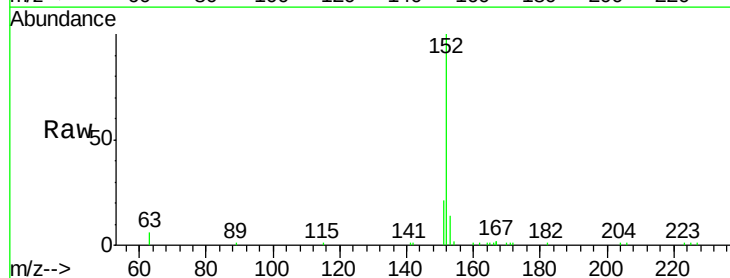
Tgt Ion:152 Resp: 8700

Ion Ratio Lower Upper

152 100

151 19.5 15.9 23.9

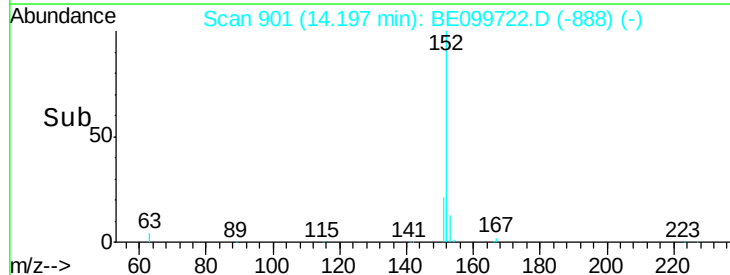
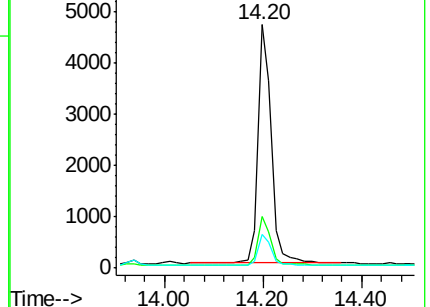
153 12.6 10.6 16.0

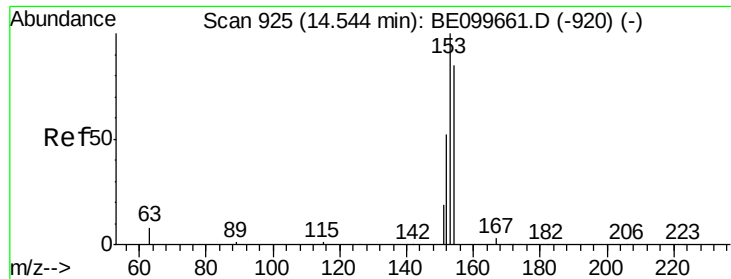


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.349 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

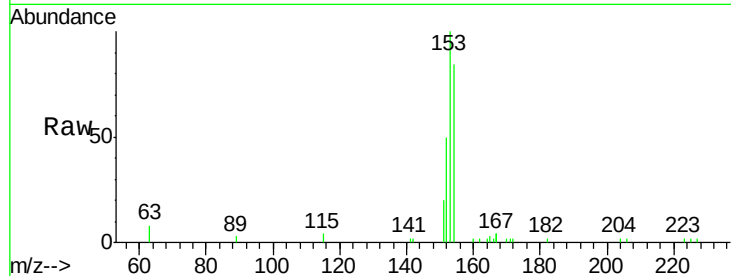
Tgt Ion:154 Resp: 3276

Ion Ratio Lower Upper

154 100

153 117.3 91.8 137.6

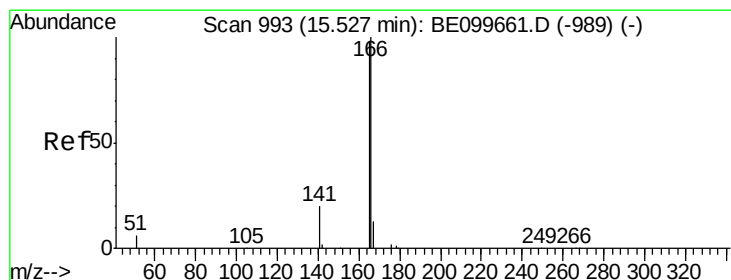
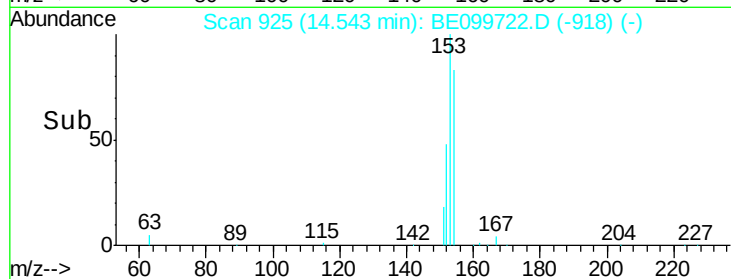
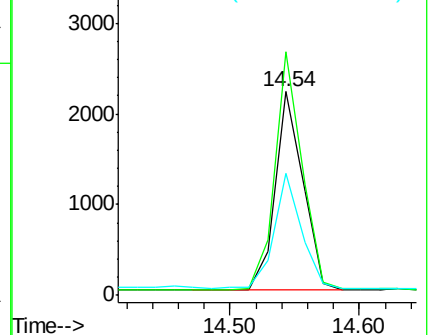
152 56.6 46.0 69.0



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: 0.361 ng

RT: 15.53 min Scan# 993

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

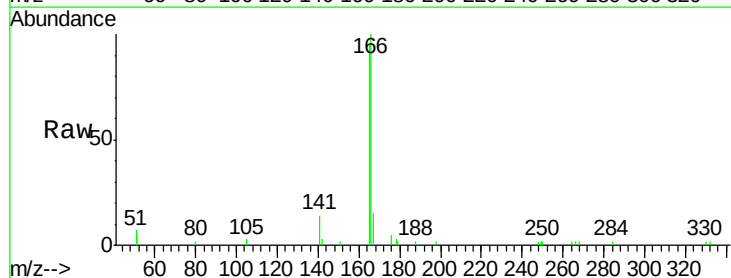
Tgt Ion:166 Resp: 4981

Ion Ratio Lower Upper

166 100

165 100.6 80.3 120.5

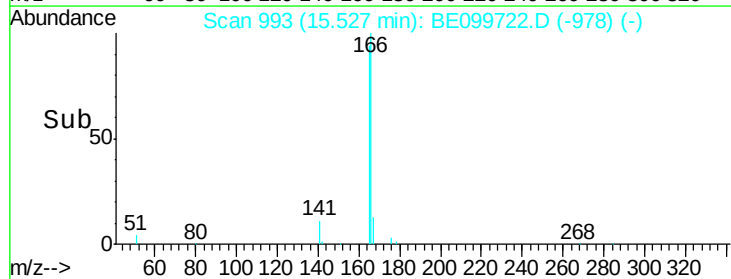
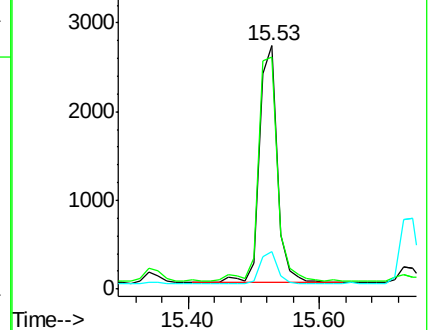
167 13.9 10.6 16.0

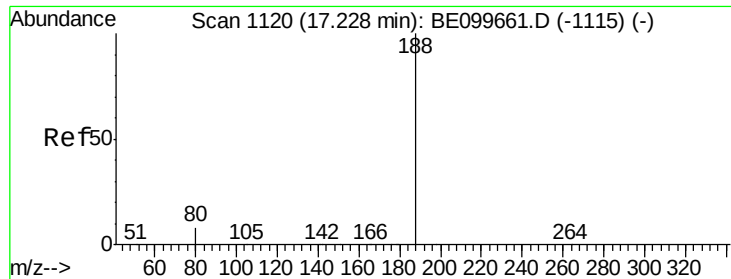


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

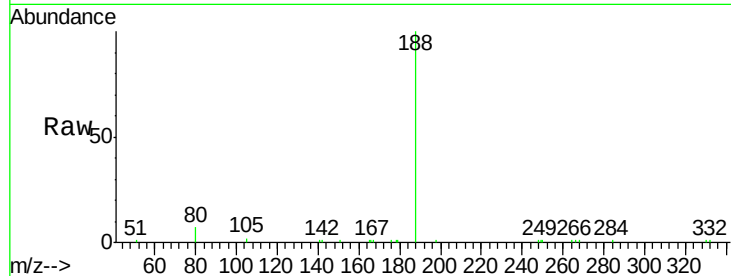
Tgt Ion:188 Resp: 11114

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 6.7 6.7 10.1#

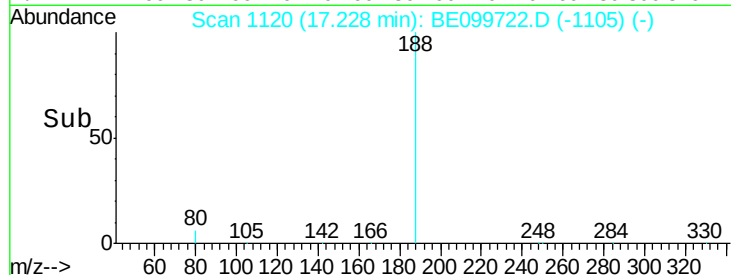


Abundance Ion 188.00 (187.70 to 188.70): E

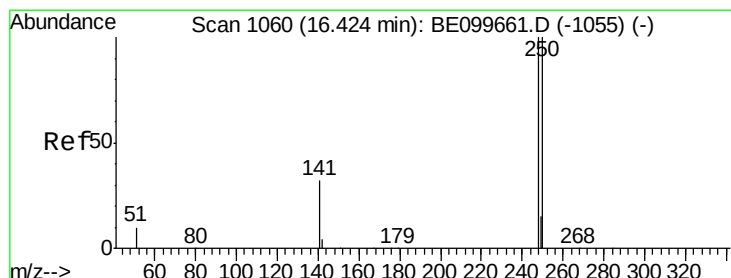
Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0

Time--> 17.10 17.20 17.30



Time--> 17.10 17.20 17.30



#20

4-Bromophenyl-phenylether

Concen: 0.311 ng

RT: 16.42 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

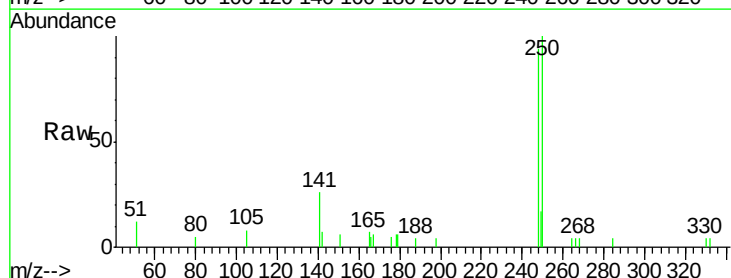
Tgt Ion:248 Resp: 1995

Ion Ratio Lower Upper

248 100

250 106.2 79.8 119.8

141 27.5 27.0 40.6

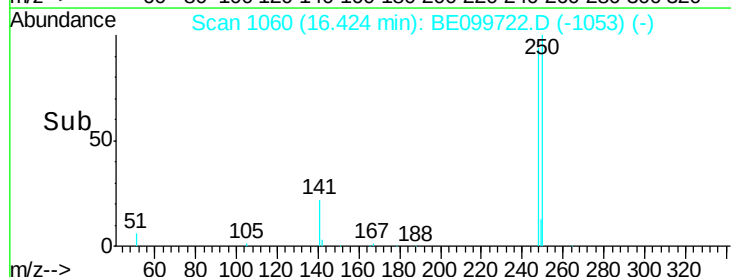


Abundance Ion 248.00 (247.70 to 248.70): E

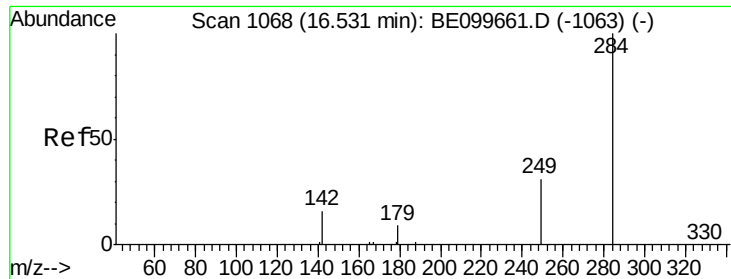
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time--> 16.40 16.50



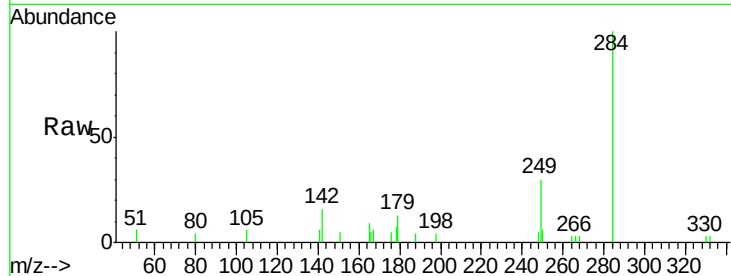
Time--> 16.40 16.50



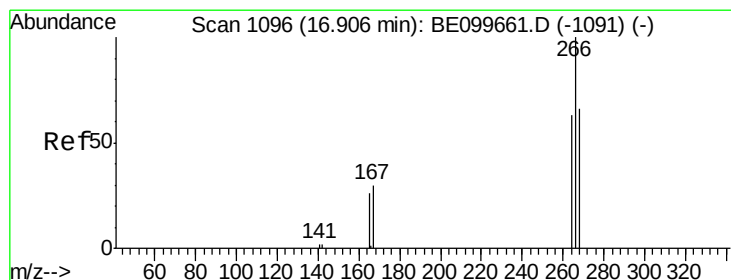
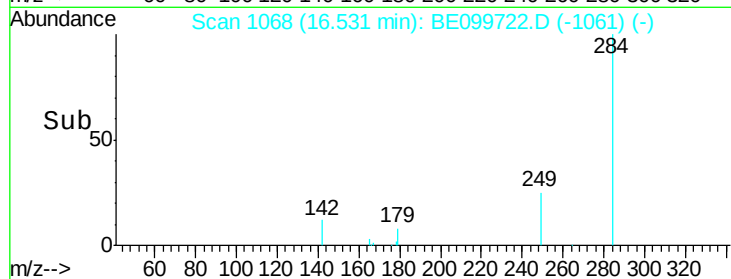
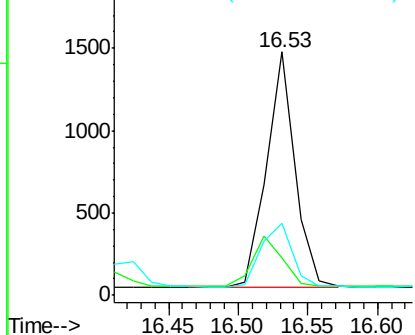
#21
Hexachlorobenzene
Concen: 0.312 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE099722.D
Acq: 22 May 2019 16:22

Instrument :
BNA_E
ClientSampleId :
FESB-14(4.5-5)MSD

Tgt Ion:284 Resp: 2048
Ion Ratio Lower Upper
284 100
142 22.5 17.8 26.6
249 30.0 24.8 37.2

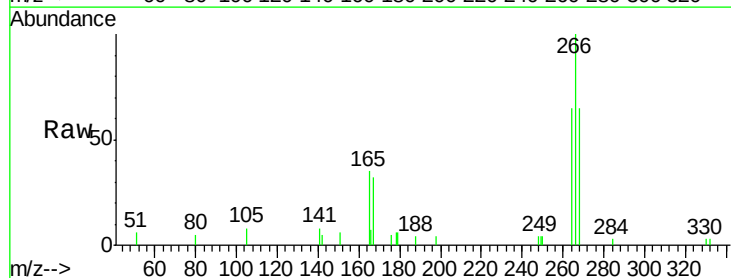


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

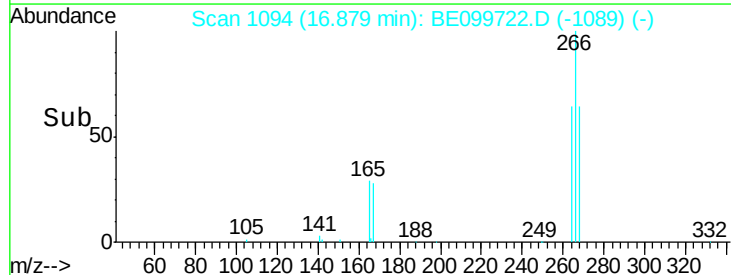
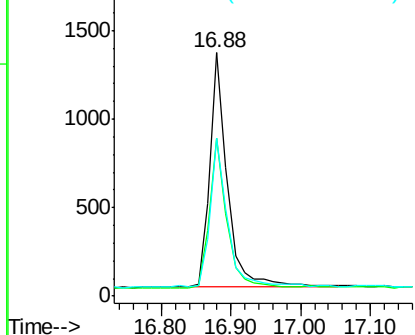


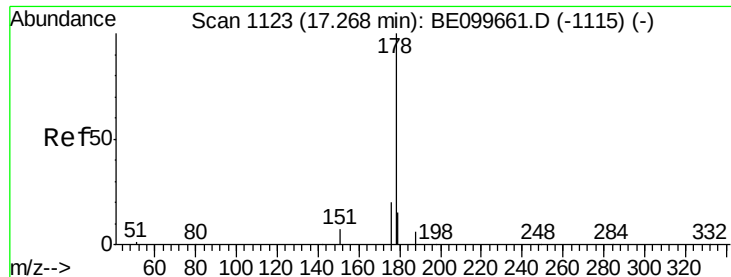
#22
Pentachlorophenol
Concen: 1.233 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099722.D
Acq: 22 May 2019 16:22

Tgt Ion:266 Resp: 2373
Ion Ratio Lower Upper
266 100
264 64.7 57.2 85.8
268 64.9 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: 0.394 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

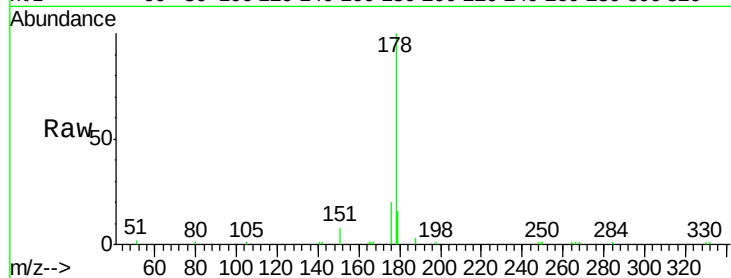
Tgt Ion:178 Resp: 10704

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

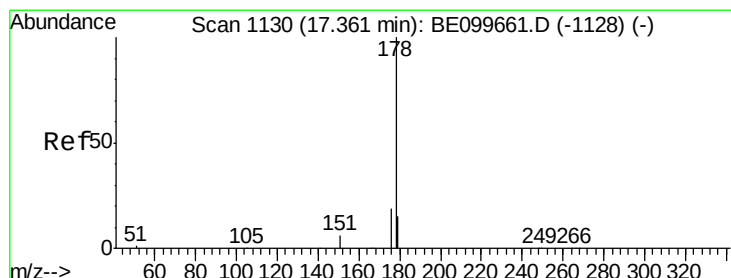
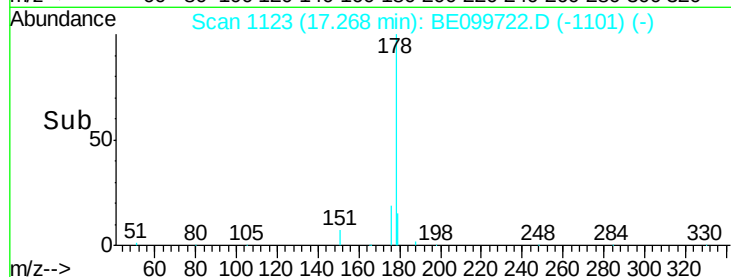
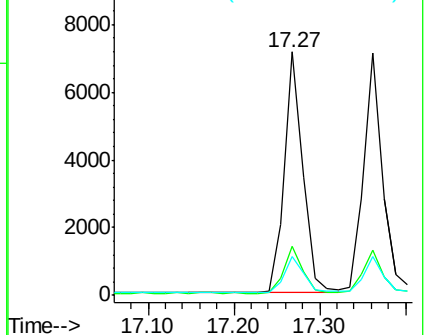
179 15.9 12.2 18.4



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: 0.436 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

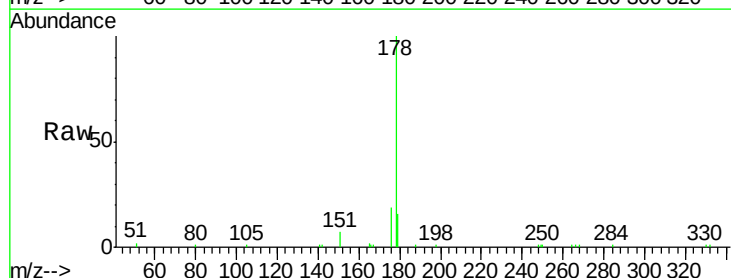
Tgt Ion:178 Resp: 10745

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

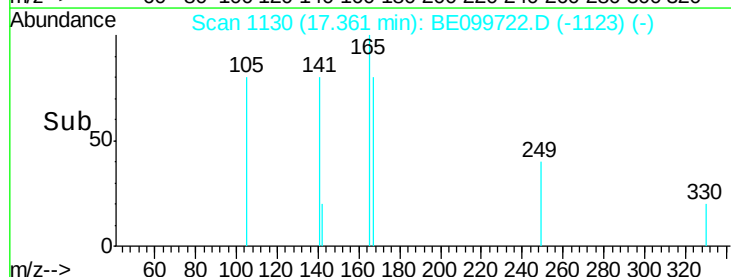
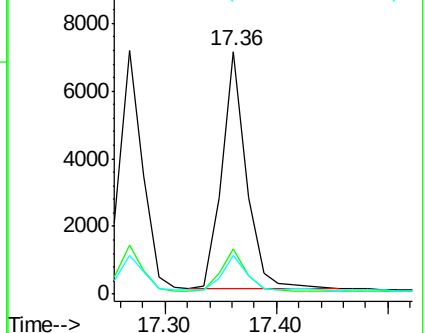
179 14.5 12.0 18.0

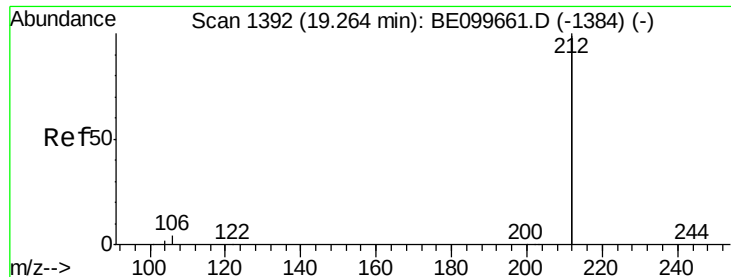


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.272 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

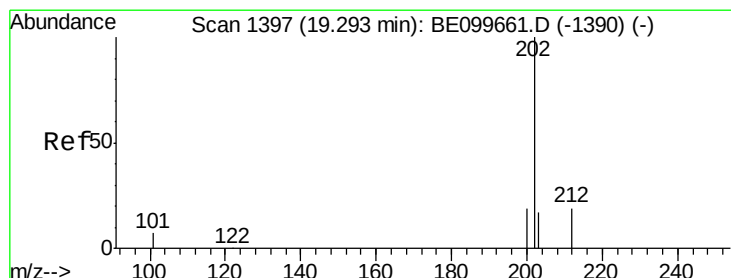
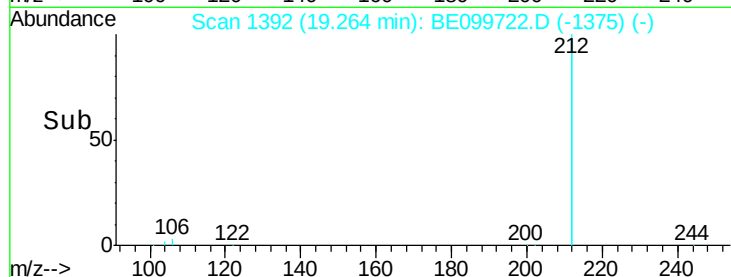
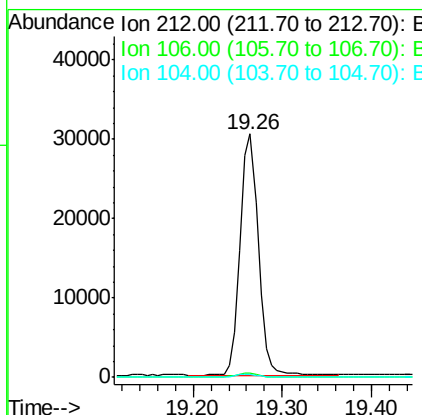
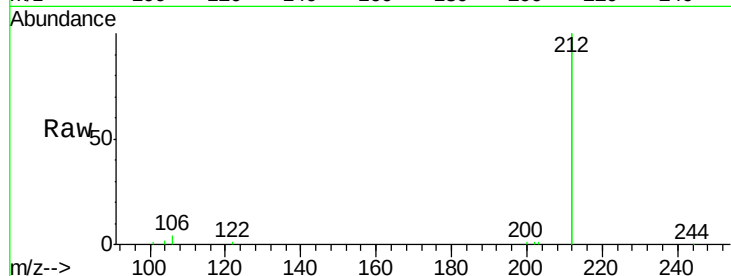
Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

Tgt Ion:	212	Resp:	41347
Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.8	1.2



#26

Fluoranthene

Concen: 0.502 ng

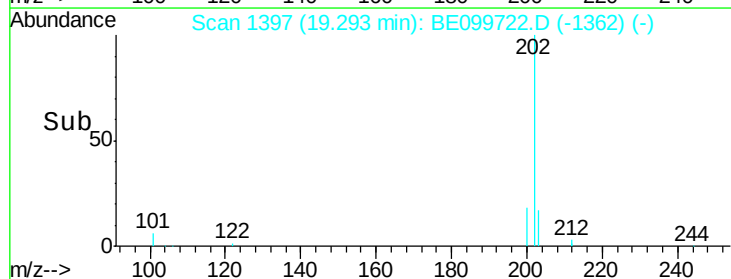
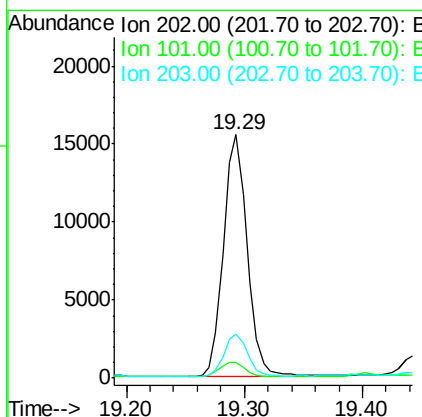
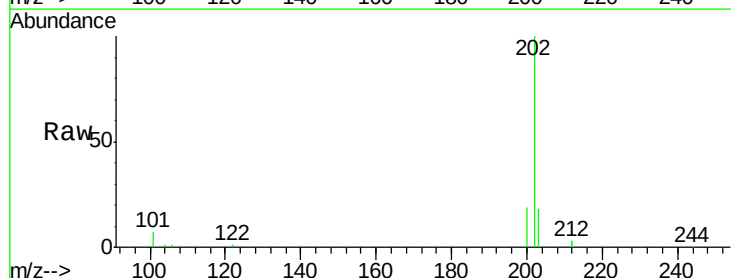
RT: 19.29 min Scan# 1397

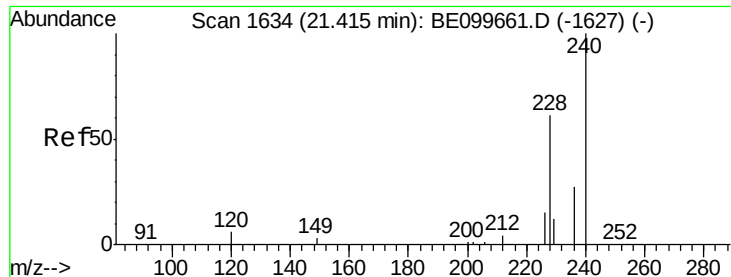
Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Tgt Ion:	202	Resp:	21572
Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.1	13.8	20.6

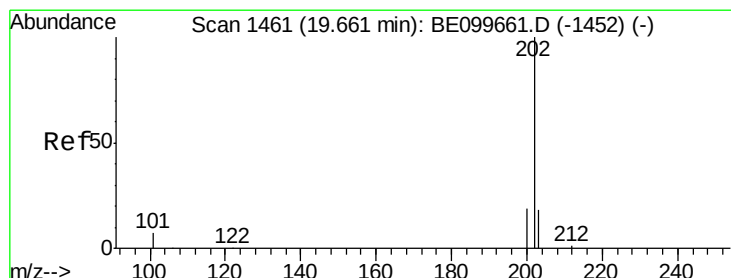
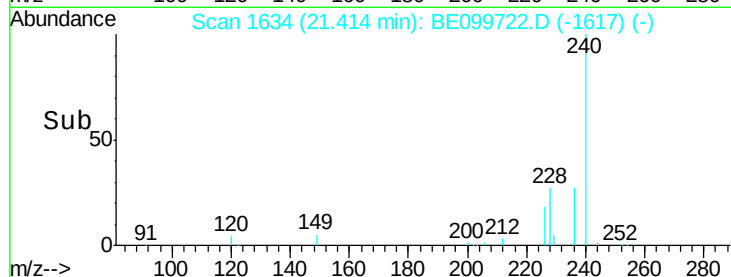
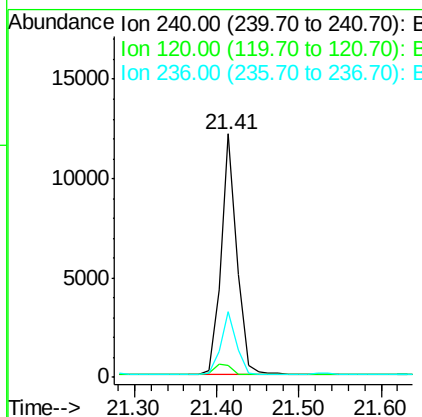
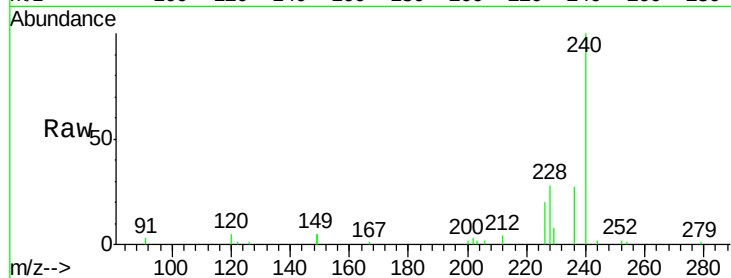




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099722.D
 Acq: 22 May 2019 16:22

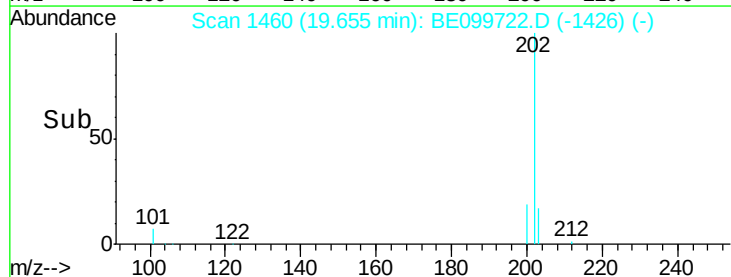
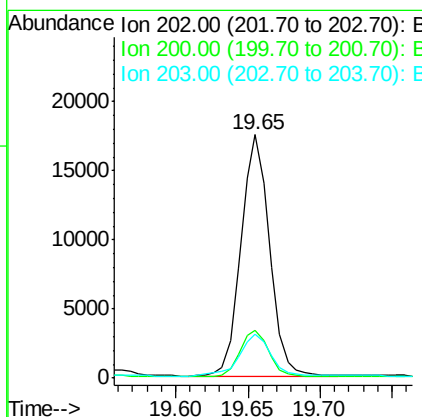
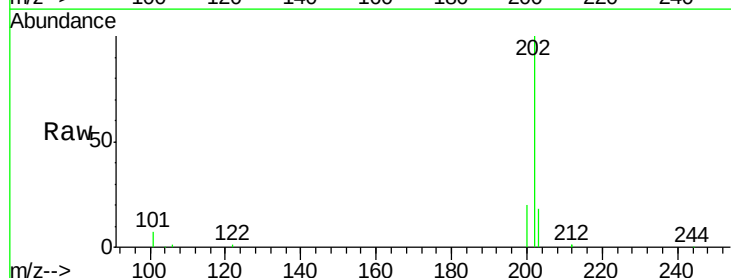
Instrument :
 BNA_E
 ClientSampleId :
 FESB-14(4.5-5)MSD

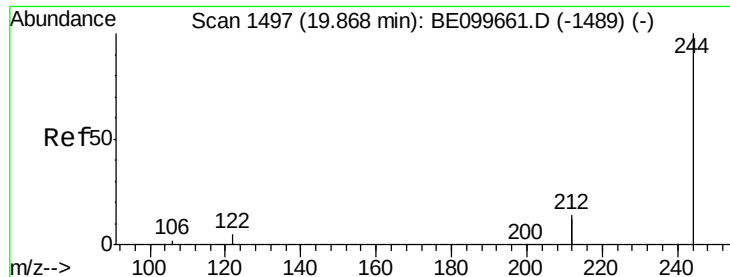
Tgt Ion:240 Resp: 16484
 Ion Ratio Lower Upper
 240 100
 120 4.6 5.4 8.0#
 236 27.2 21.7 32.5



#28
 Pyrene
 Concen: 0.581 ng
 RT: 19.65 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099722.D
 Acq: 22 May 2019 16:22

Tgt Ion:202 Resp: 24059
 Ion Ratio Lower Upper
 202 100
 200 19.7 15.4 23.2
 203 19.2 13.8 20.8





#29

Terphenyl-d14

Concen: 0.290 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

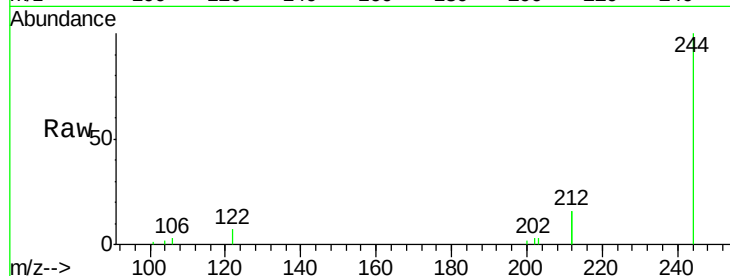
Tgt Ion:244 Resp: 8525

Ion Ratio Lower Upper

244 100

212 31.6 22.5 33.7

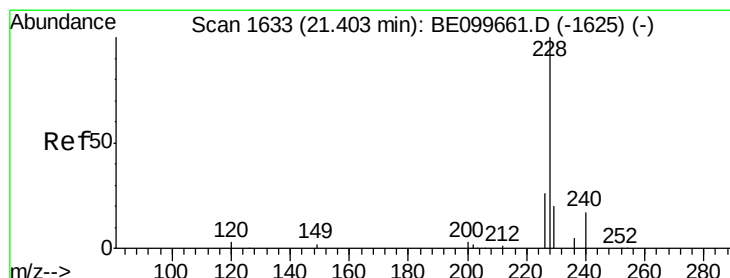
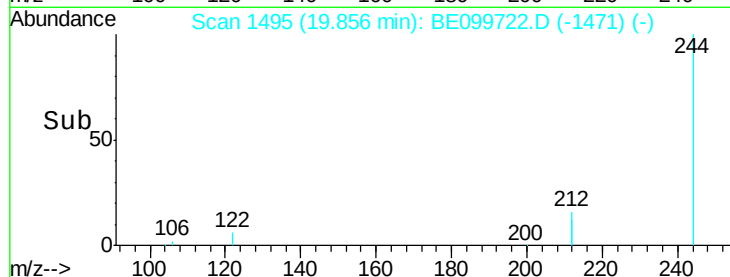
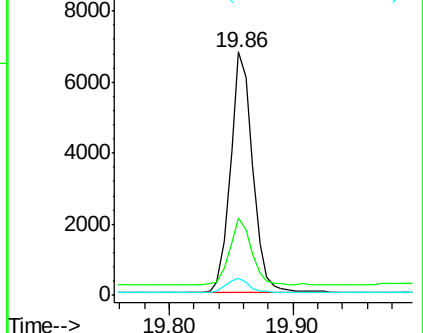
122 6.9 4.3 6.5#



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: 0.522 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.05 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

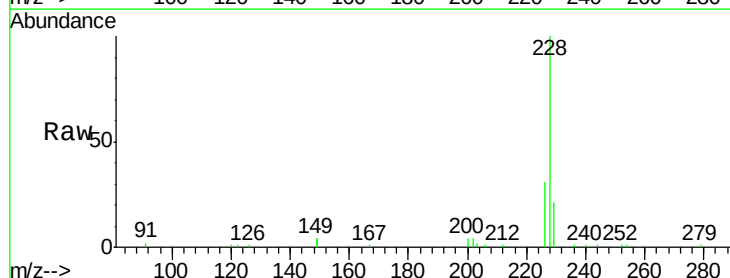
Tgt Ion:228 Resp: 24468

Ion Ratio Lower Upper

228 100

226 31.0 21.3 31.9

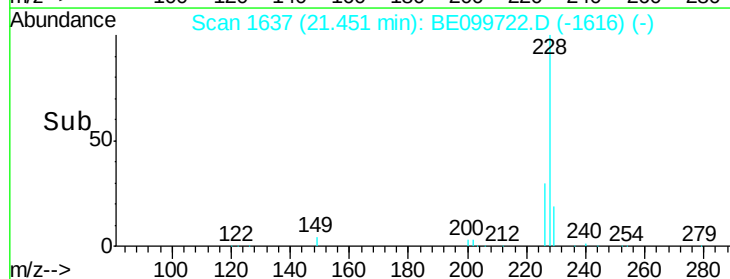
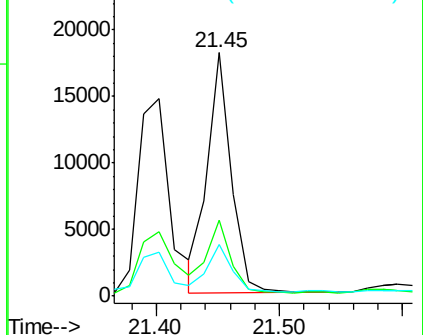
229 21.2 16.1 24.1

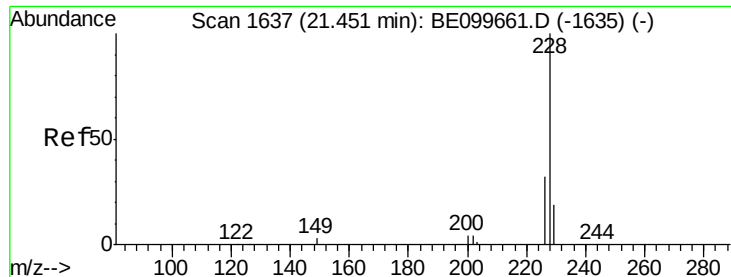


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.484 ng

RT: 21.45 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

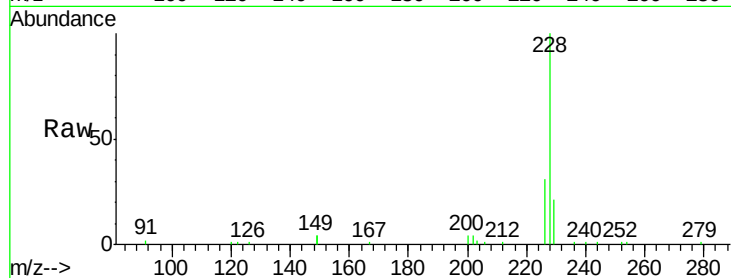
Tgt Ion:228 Resp: 24243

Ion Ratio Lower Upper

228 100

226 31.0 24.7 37.1

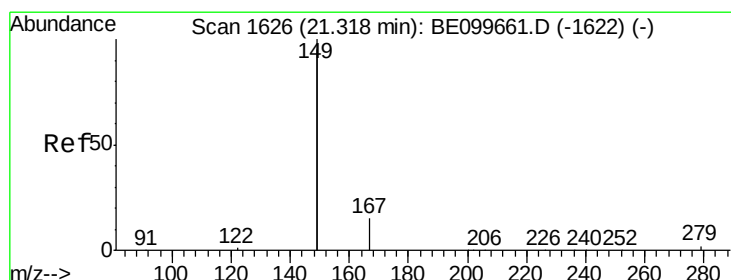
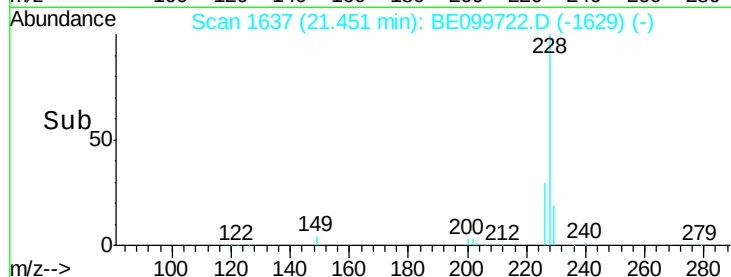
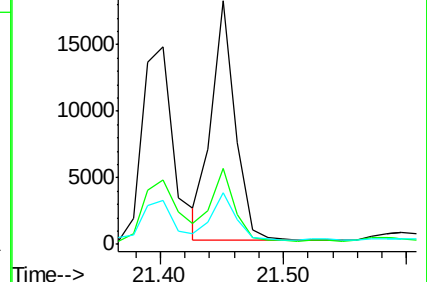
229 21.2 15.8 23.6



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: 0.617 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

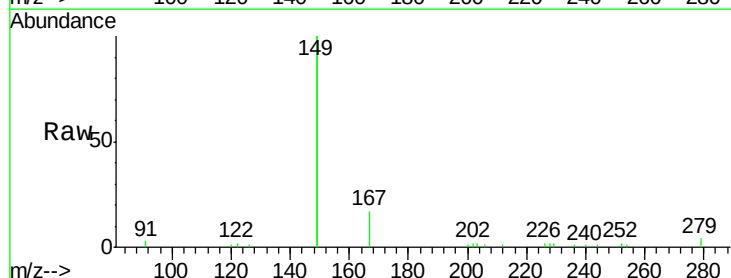
Tgt Ion:149 Resp: 33320

Ion Ratio Lower Upper

149 100

167 7.8 6.2 9.4

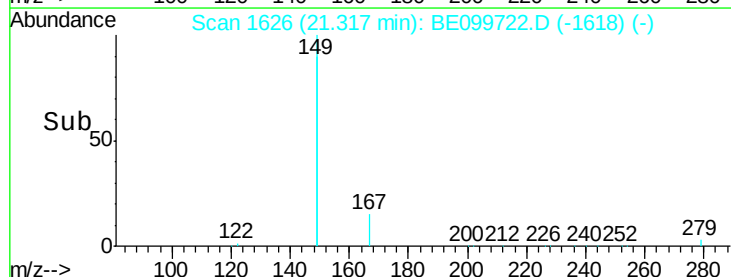
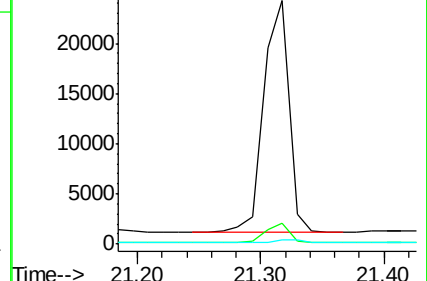
279 1.6 1.2 1.8

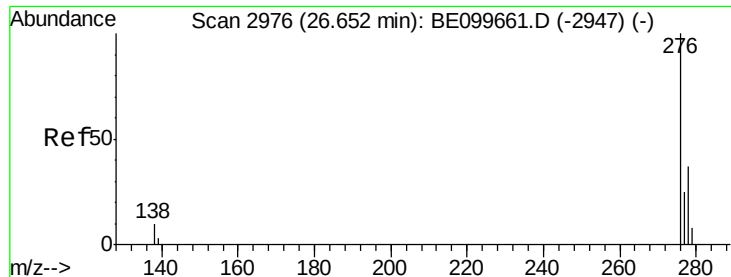


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.700 ng

RT: 26.64 min Scan# 2974

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

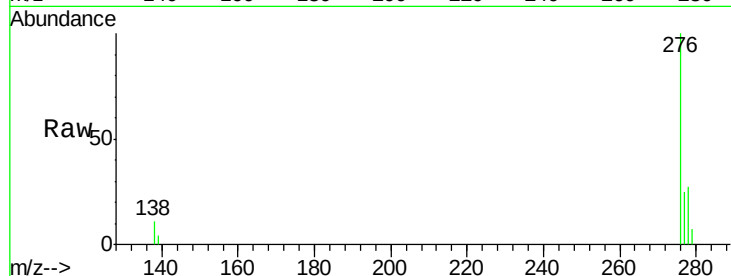
Tgt Ion:276 Resp: 42350

Ion Ratio Lower Upper

276 100

138 10.6 9.6 14.4

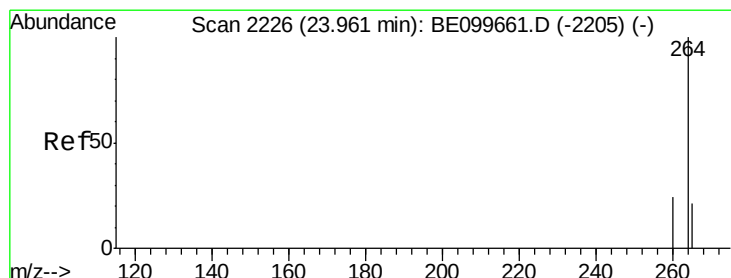
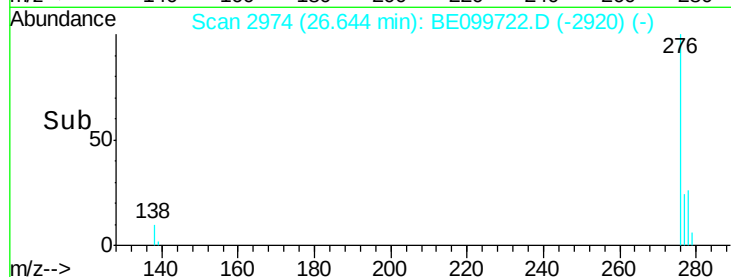
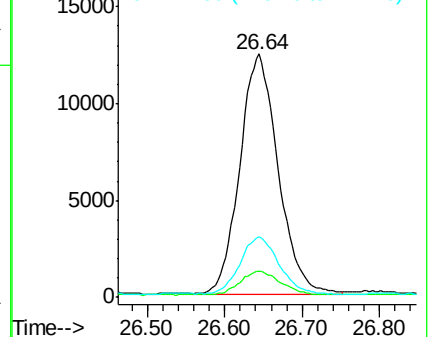
277 24.1 19.2 28.8



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: BE099722.D

Acq: 22 May 2019 16:22

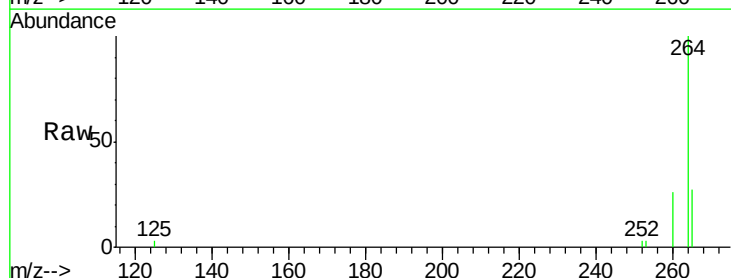
Tgt Ion:264 Resp: 19618

Ion Ratio Lower Upper

264 100

260 25.7 19.6 29.4

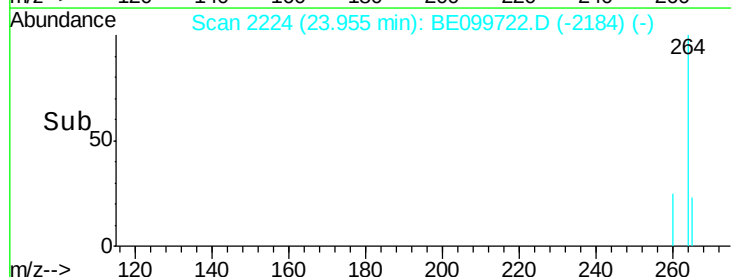
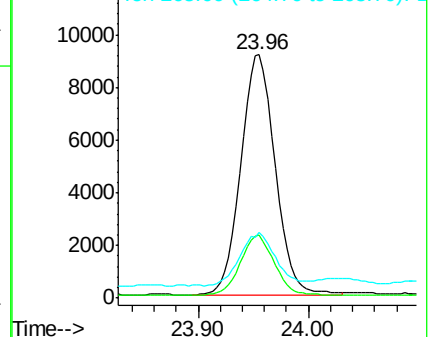
265 26.9 19.1 28.7

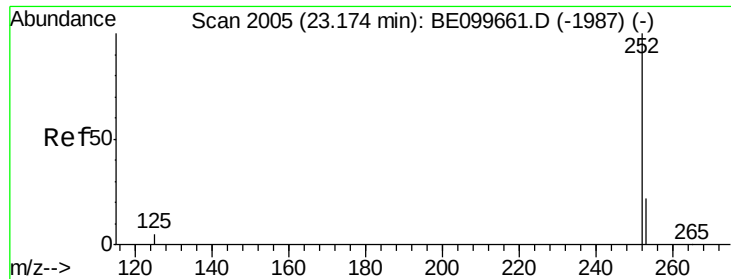


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.626 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

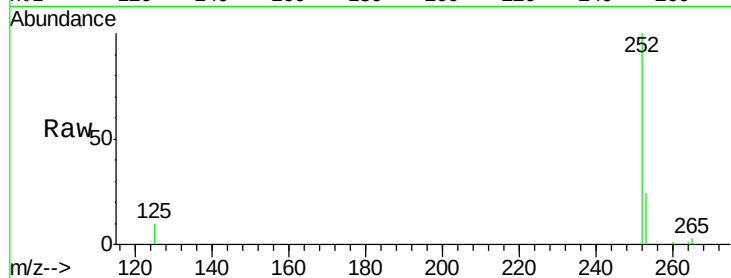
Tgt Ion:252 Resp: 33630

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.4

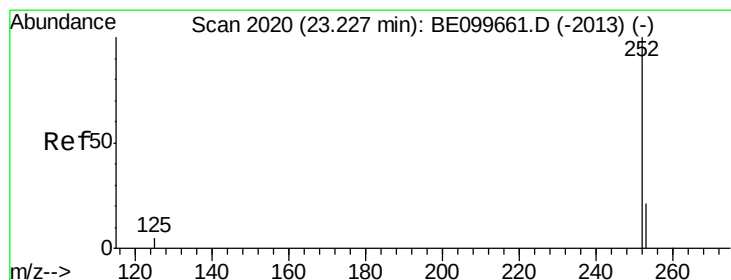
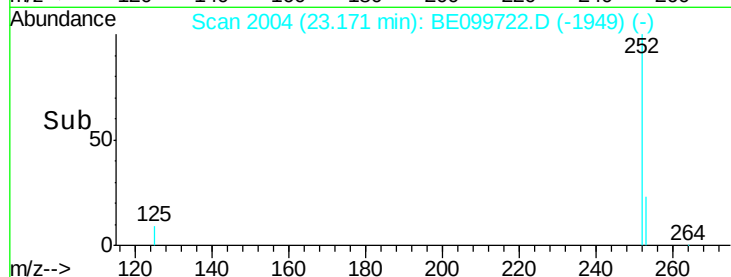
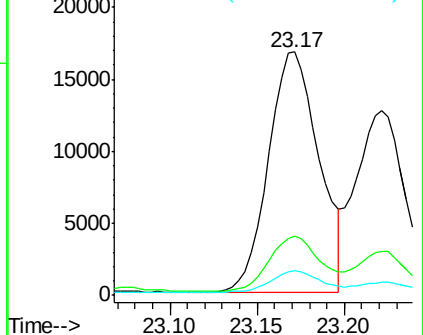
125 10.3 4.5 6.7#



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: 0.417 ng

RT: 23.22 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

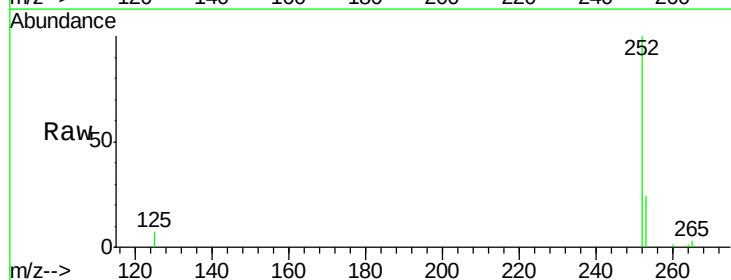
Tgt Ion:252 Resp: 23375

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

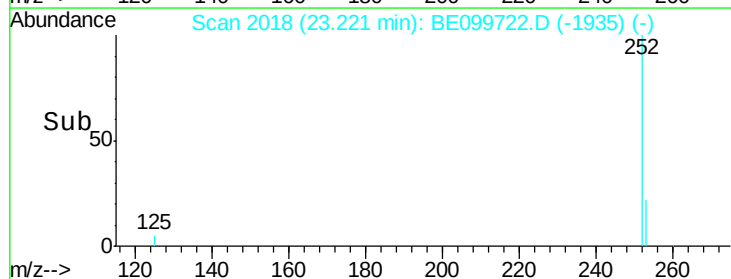
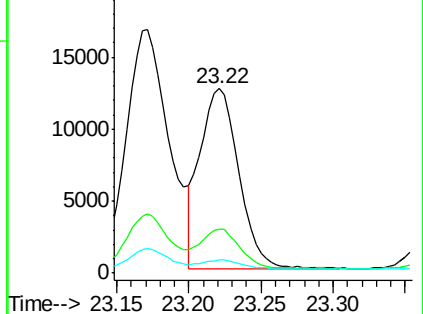
125 6.9 4.6 6.8#

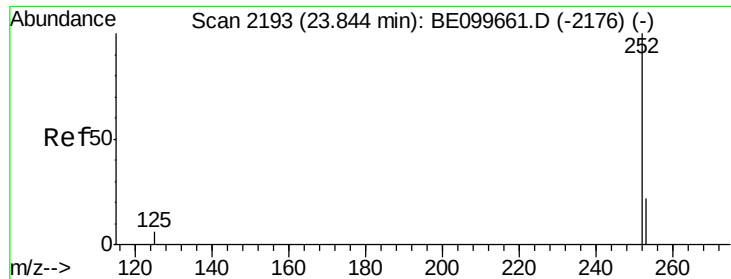


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.557 ng

RT: 23.84 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD

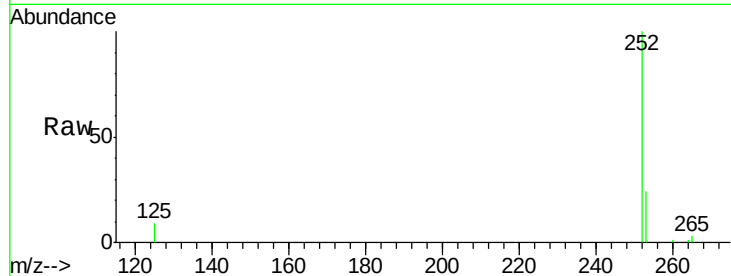
Tgt Ion:252 Resp: 28832

Ion Ratio Lower Upper

252 100

253 24.5 18.9 28.3

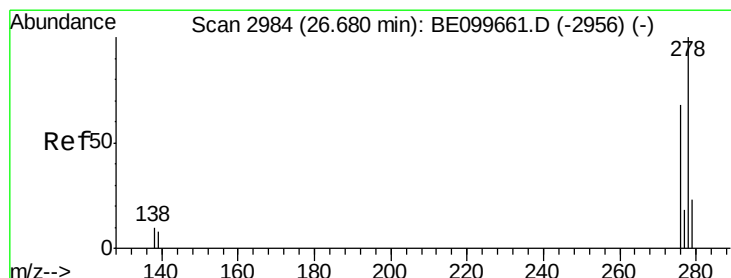
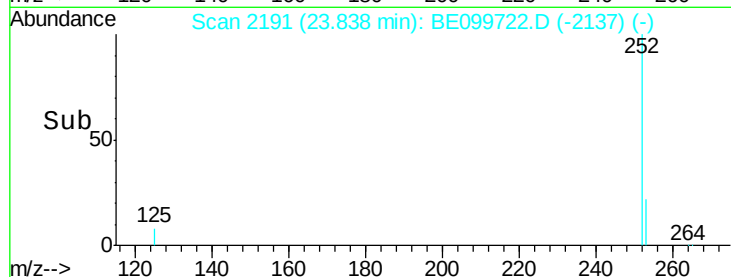
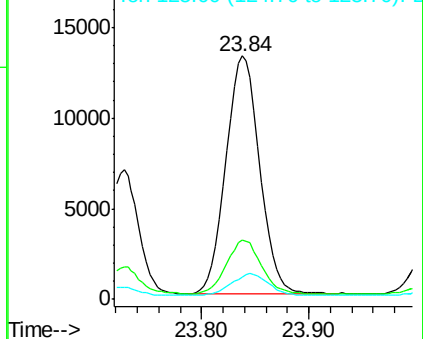
125 9.3 5.4 8.0#



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: 0.393 ng

RT: 26.67 min Scan# 2981

Delta R.T. -0.01 min

Lab File: BE099722.D

Acq: 22 May 2019 16:22

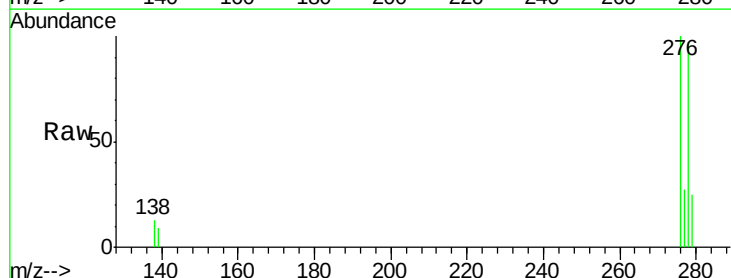
Tgt Ion:278 Resp: 21345

Ion Ratio Lower Upper

278 100

139 9.4 6.9 10.3

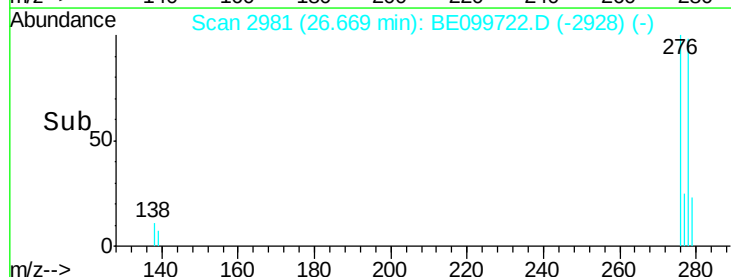
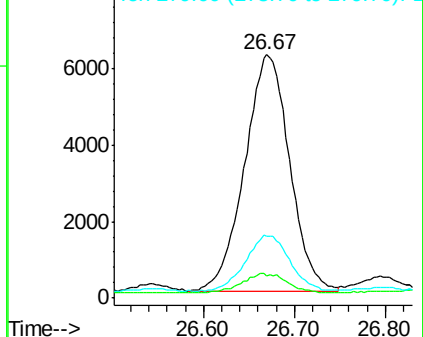
279 25.6 19.2 28.8

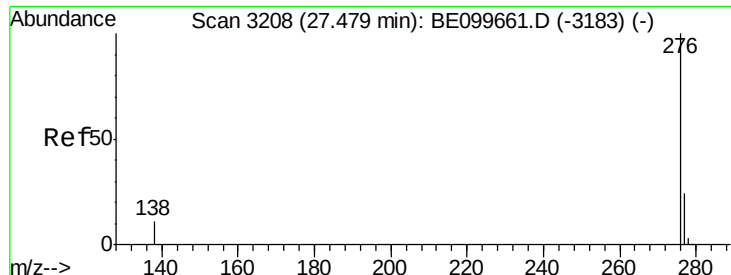


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.705 ng

RT: 27.48 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BE099722.D

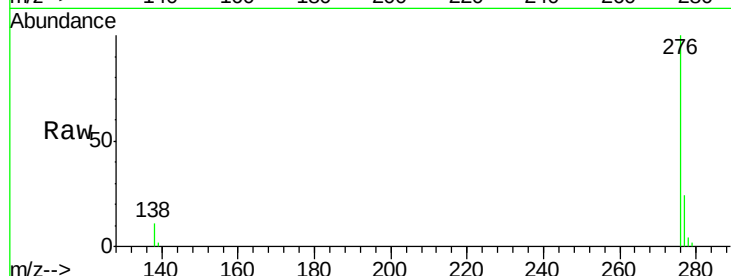
Acq: 22 May 2019 16:22

Instrument :

BNA_E

ClientSampleId :

FESB-14(4.5-5)MSD



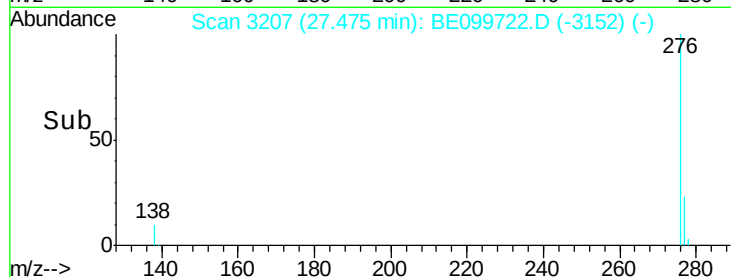
Tgt Ion: 276 Resp: 38673

Ion Ratio Lower Upper

276 100

277 24.1 19.8 29.6

138 10.9 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

