

Data File : BE099700.D
Acq On : 21 May 2019 21:45
Operator : JU/SJ
Sample : K2944-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-2(14.5-15)

Quant Time: May 22 08:17:58 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	7.81	152	1502	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5256	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3975	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11157	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15503	0.40	ng	0.00
34) Perylene-d12	23.95	264	18527	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1215	0.32	ng	0.00
5) Phenol-d6	6.97	99	1652	0.33	ng	0.00
8) Nitrobenzene-d5	8.98	82	1229	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2645	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	601	0.33	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4009	0.27	ng	0.00
25) Fluoranthene-d10	19.26	212	41339	0.27	ng	0.00
29) Terphenyl-d14	19.86	244	8877	0.32	ng	-0.01

Target Compounds						Qvalue
22) Pentachlorophenol	16.91	266	4	0.182	ng	# 74
26) Fluoranthene	19.29	202	2652	0.062	ng	# 96
28) Pyrene	19.66	202	2294	0.059	ng	# 94
30) Benzo(a)anthracene	21.40	228	1385	0.031	ng	# 84
31) Chrysene	21.45	228	1160	0.025	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.32	149	96455	1.900	ng	# 99
35) Benzo(b)fluoranthene	23.17	252	1743	0.034	ng	# 15
36) Benzo(k)fluoranthene	23.17	252	1743	0.033	ng	# 13
37) Benzo(a)pyrene	23.84	252	1217	0.025	ng	# 27

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

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FESB-2(14.5-15)

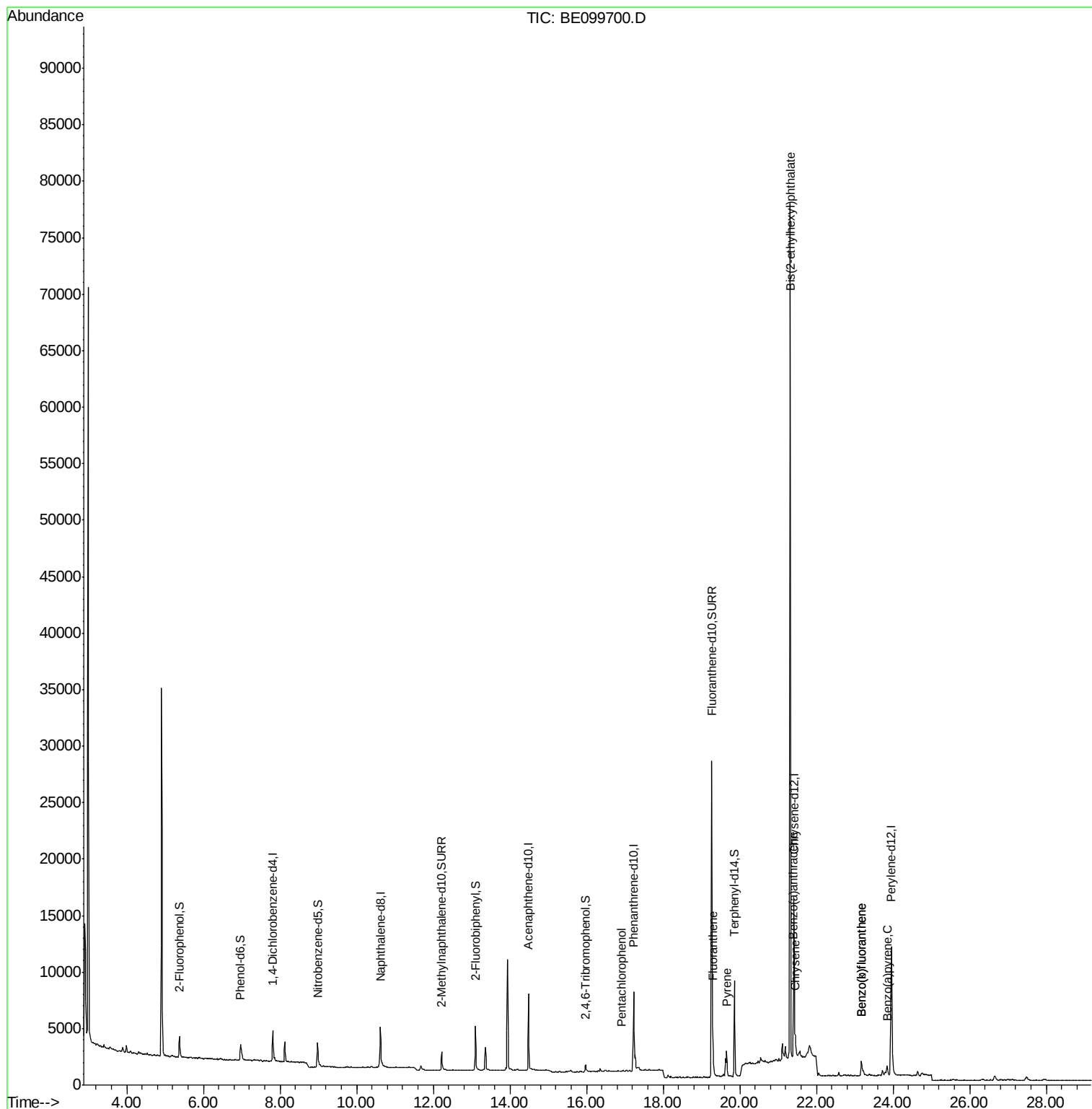
Quant Time: May 22 08:17:58 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE052019.M

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QLast Update : Mon May 20 19:29:40 2019

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

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Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

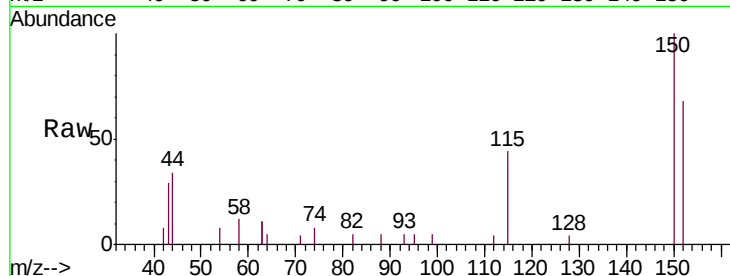
Tgt Ion:152 Resp: 1502

Ion Ratio Lower Upper

152 100

150 146.2 109.2 163.8

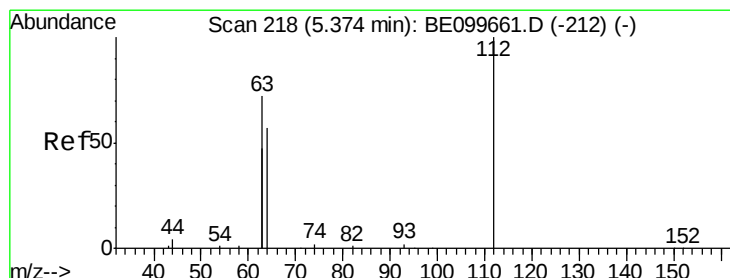
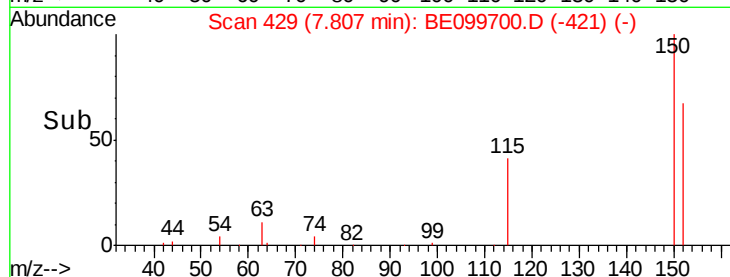
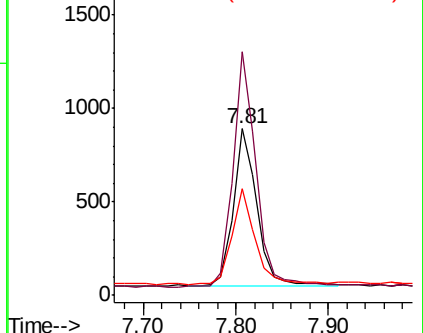
115 64.3 43.7 65.5



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



#4

2-Fluorophenol

Concen: 0.320 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

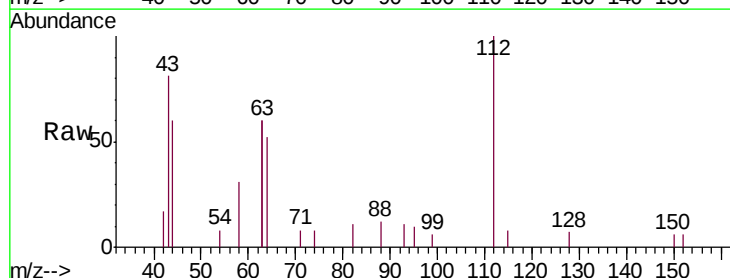
Tgt Ion:112 Resp: 1215

Ion Ratio Lower Upper

112 100

64 55.7 43.4 65.2

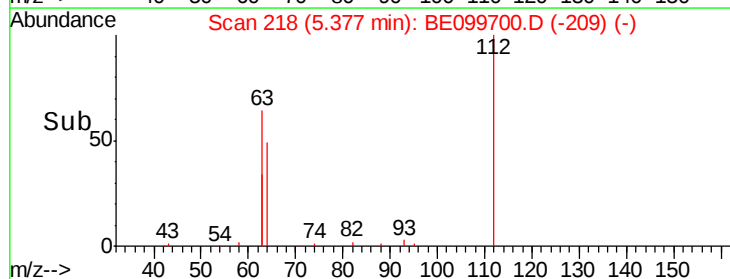
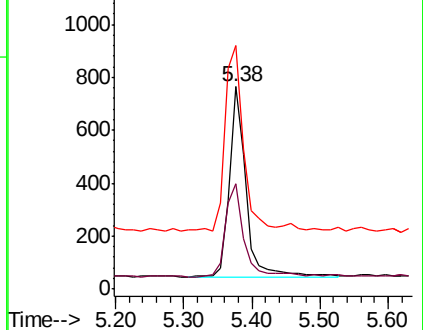
63 109.5 96.9 145.3

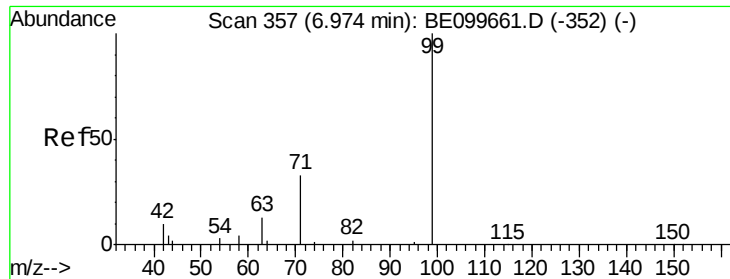


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.329 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

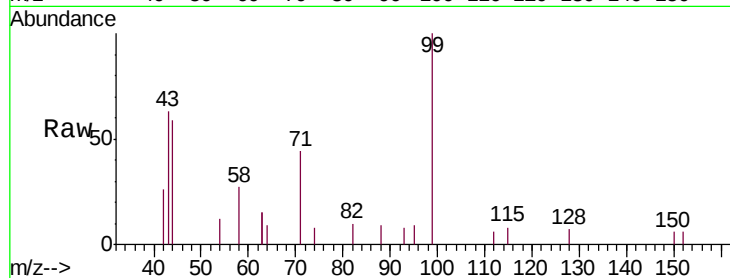
Tgt Ion: 99 Resp: 1652

Ion Ratio Lower Upper

99 100

42 18.1 12.2 18.2

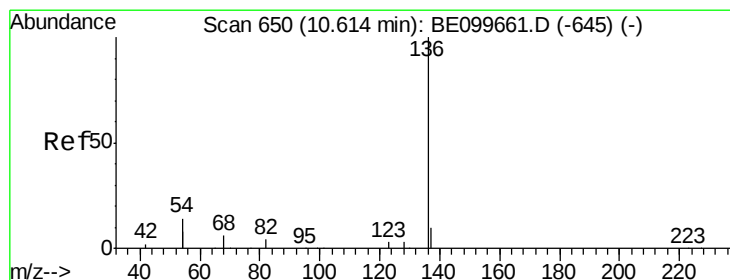
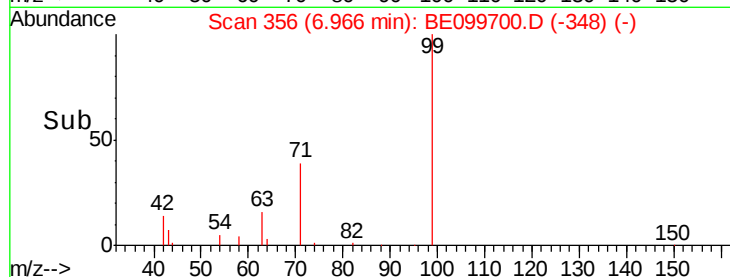
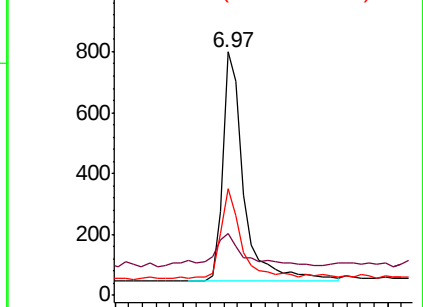
71 36.0 28.9 43.3



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.61 min Scan# 650

Delta R.T. -0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Tgt Ion: 136 Resp: 5256

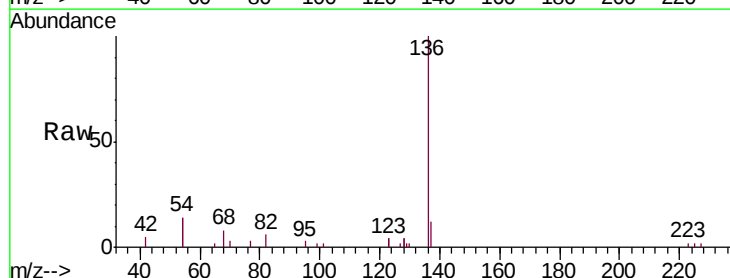
Ion Ratio Lower Upper

136 100

137 12.3 9.0 13.6

54 28.8 22.3 33.5

68 8.0 6.0 9.0

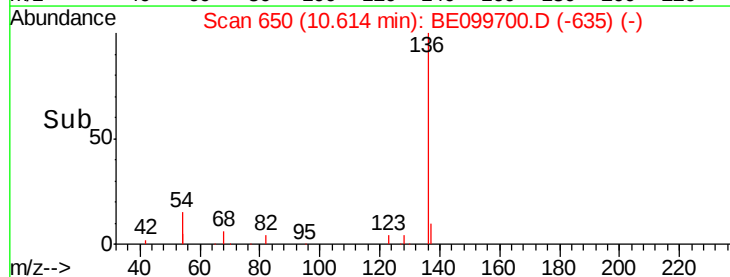
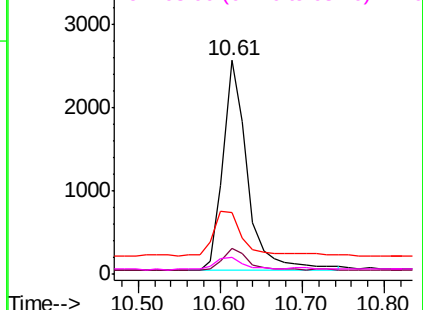


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.270 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

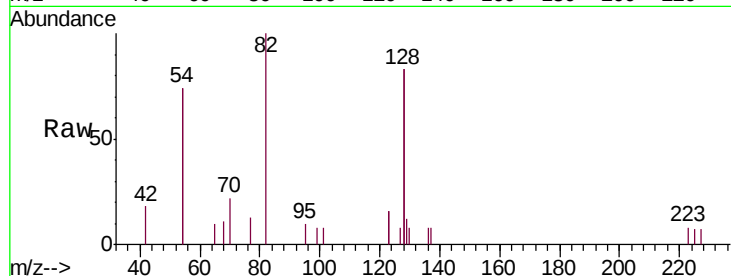
Tgt Ion: 82 Resp: 1229

Ion Ratio Lower Upper

82 100

128 165.3 117.7 176.5

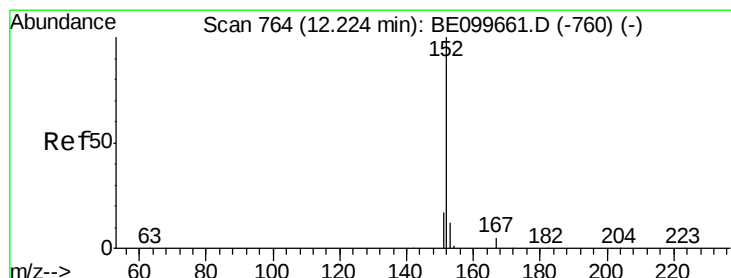
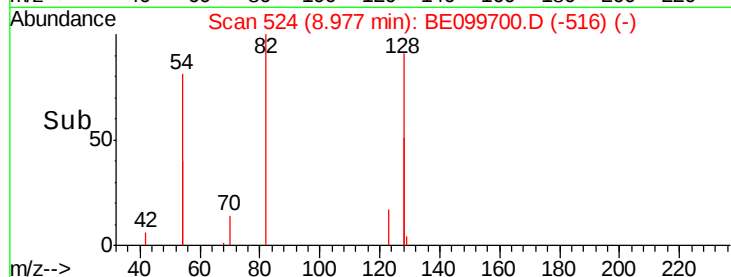
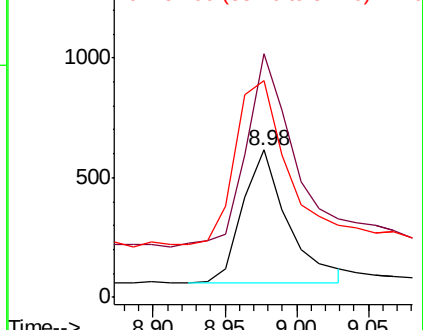
54 147.4 106.6 160.0



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#11

2-Methylnaphthalene-d10

Concen: 0.292 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.00 min

Lab File: BE099700.D

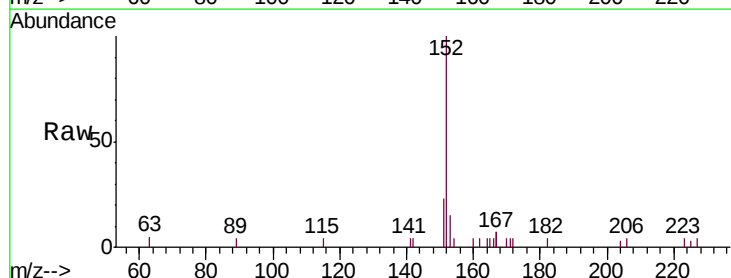
Acq: 21 May 2019 21:45

Tgt Ion: 152 Resp: 2645

Ion Ratio Lower Upper

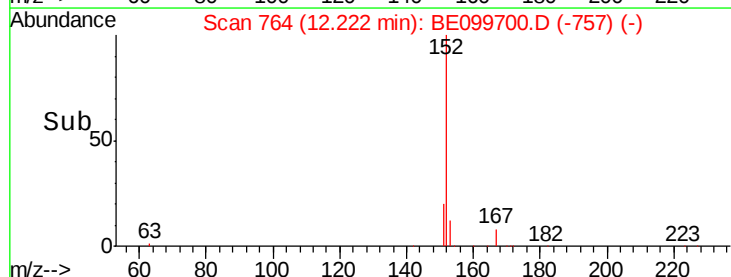
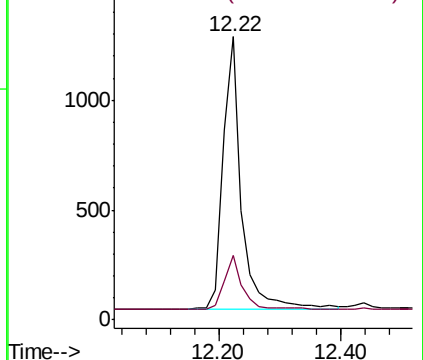
152 100

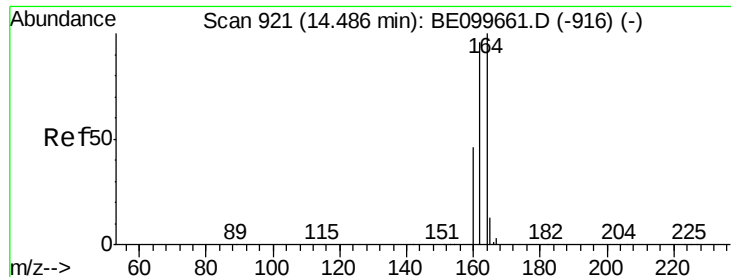
151 19.8 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

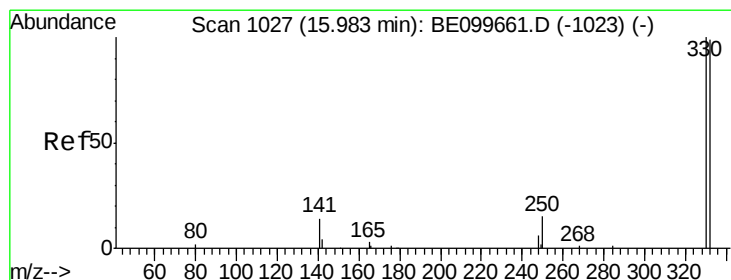
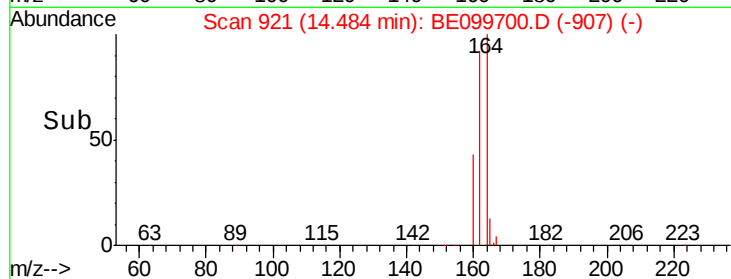
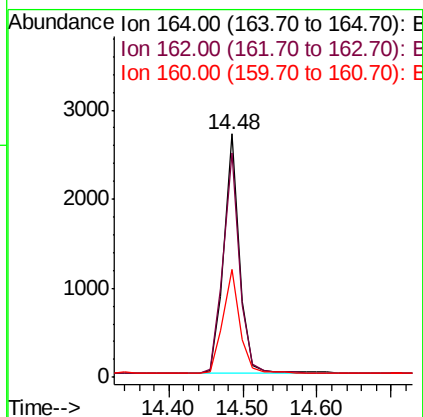
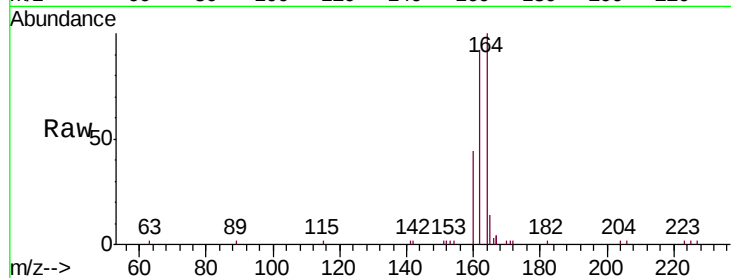




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.48 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099700.D
 Acq: 21 May 2019 21:45

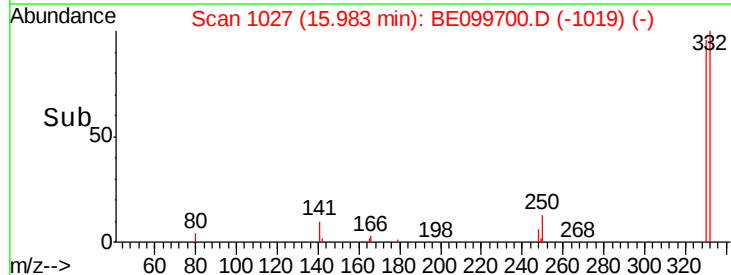
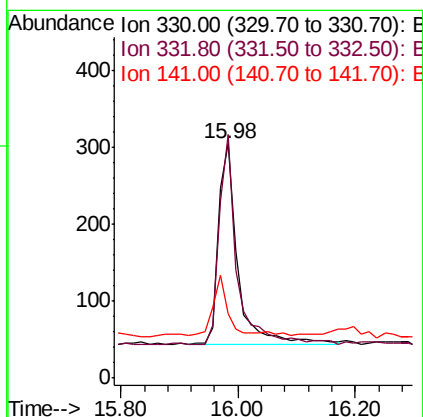
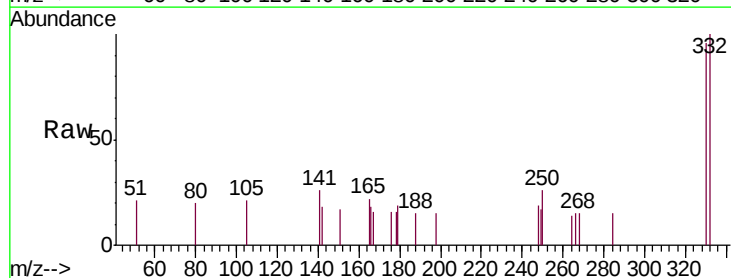
Instrument :
 BNA_E
 ClientSampleId :
 FESB-2(14.5-15)

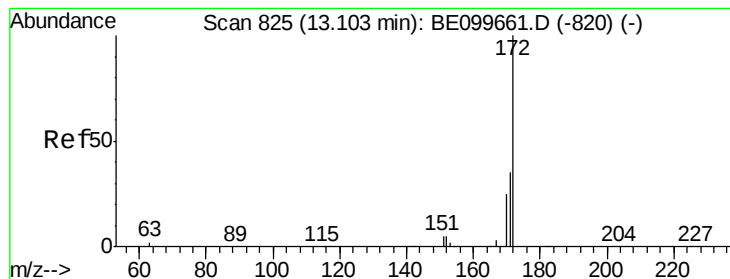
Tgt Ion:164 Resp: 3975
 Ion Ratio Lower Upper
 164 100
 162 92.4 76.5 114.7
 160 44.1 37.4 56.2



#14
 2,4,6-Tribromophenol
 Concen: 0.333 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099700.D
 Acq: 21 May 2019 21:45

Tgt Ion:330 Resp: 601
 Ion Ratio Lower Upper
 330 100
 332 100.5 77.3 115.9
 141 22.1 18.9 28.3





#15

2-Fluorobiphenyl

Concen: 0.266 ng

RT: 13.10 min Scan# 825

Delta R.T. -0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

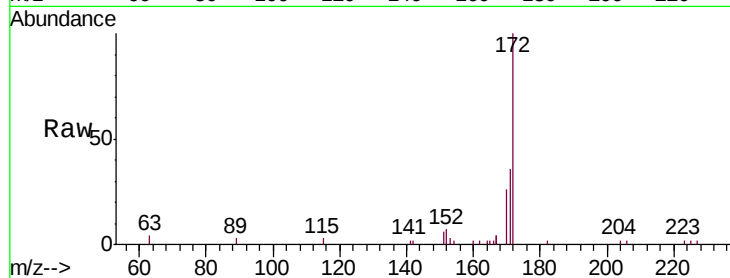
Tgt Ion:172 Resp: 4009

Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

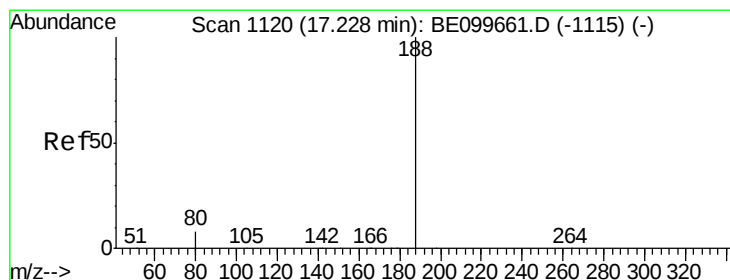
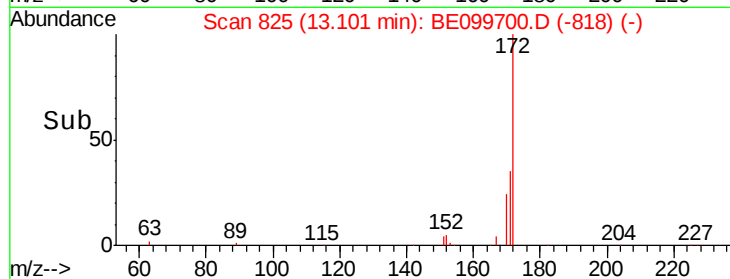
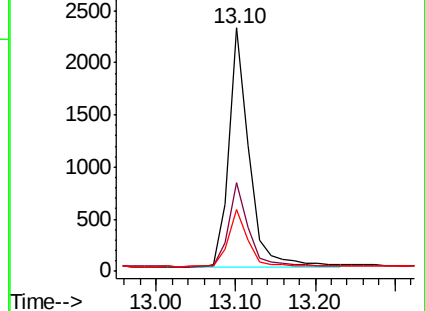
170 25.7 20.9 31.3



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

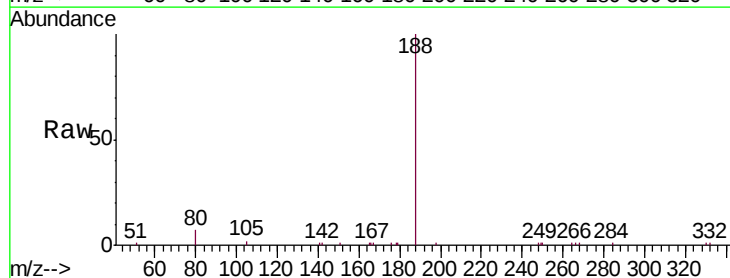
Tgt Ion:188 Resp: 11157

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

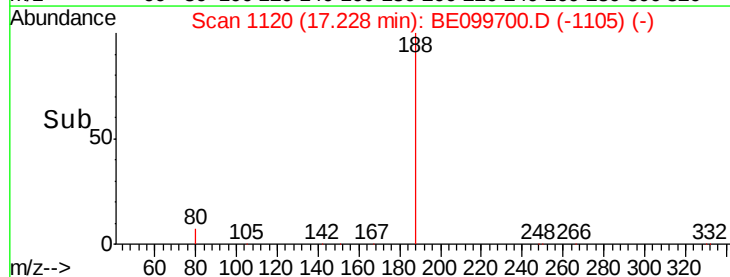
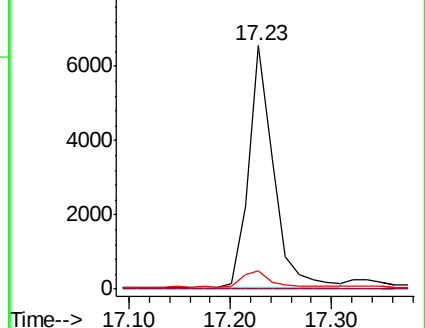
80 7.4 6.7 10.1

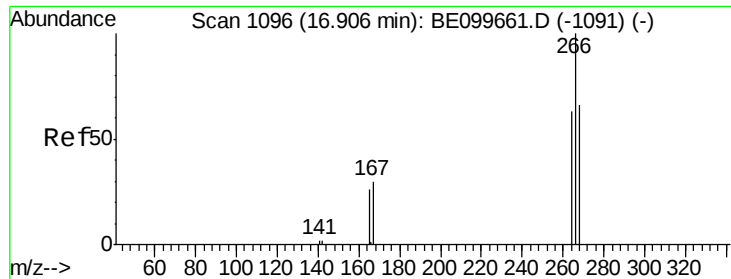


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.182 ng

RT: 16.91 min Scan# 1096

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

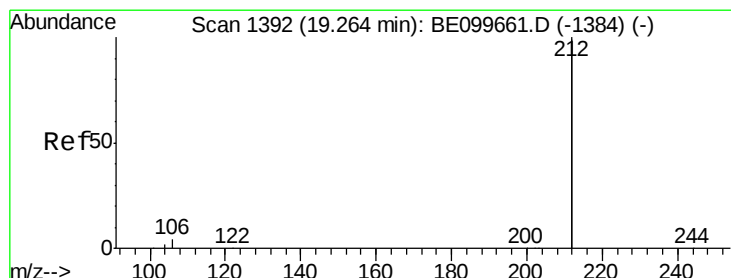
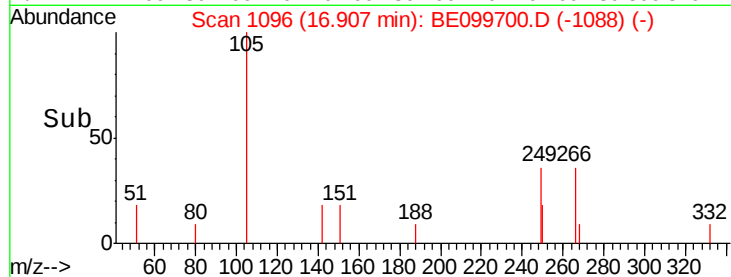
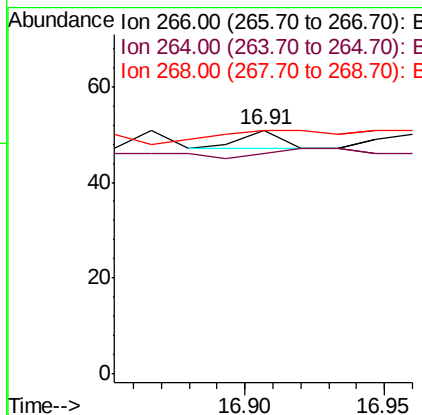
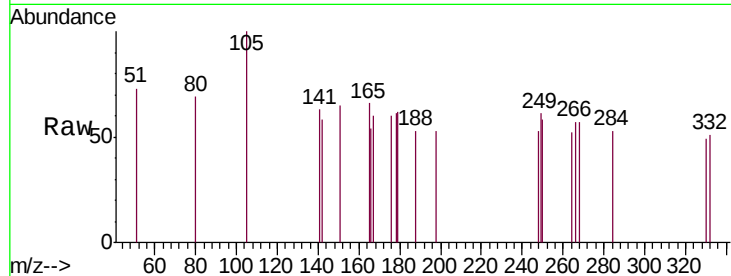
Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

Tgt Ion:	266	Resp:	4
Ion	Ratio	Lower	Upper
266	100		
264	90.2	57.2	85.8#
268	100.0	60.5	90.7#



#25

Fluoranthene-d10

Concen: 0.271 ng

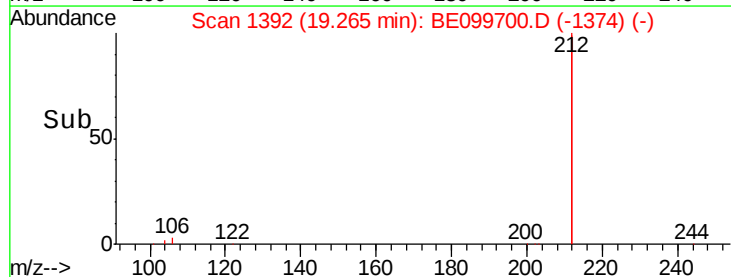
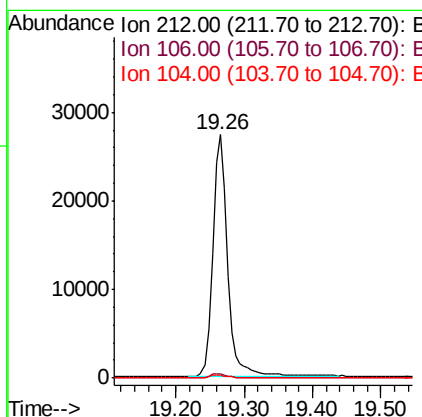
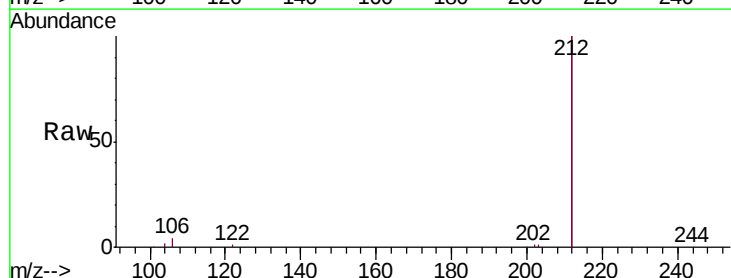
RT: 19.26 min Scan# 1392

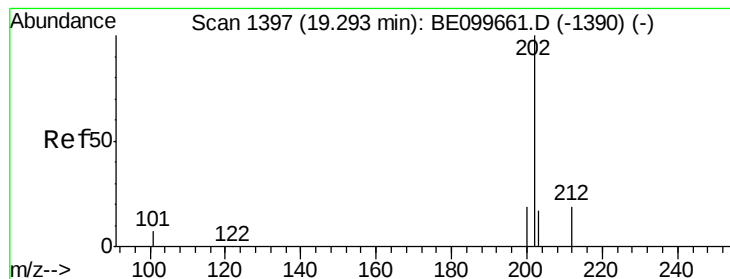
Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Tgt Ion:	212	Resp:	41339
Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.2
104	1.1	0.8	1.2





#26

Fluoranthene

Concen: 0.062 ng

RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

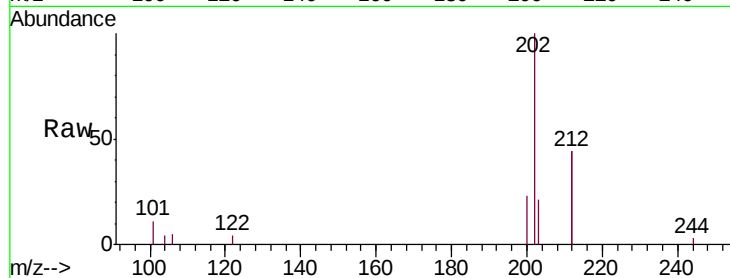
Tgt Ion:202 Resp: 2652

Ion Ratio Lower Upper

202 100

101 10.4 5.2 7.8#

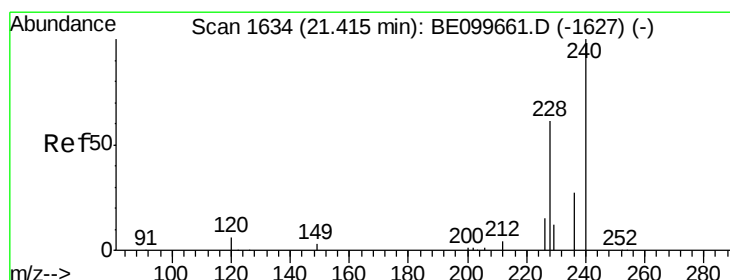
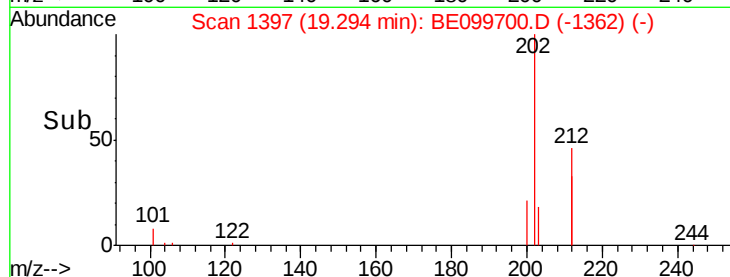
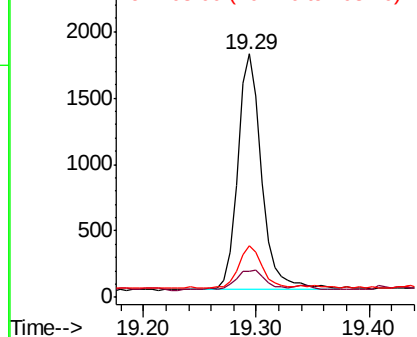
203 17.9 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.41 min Scan# 1634

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

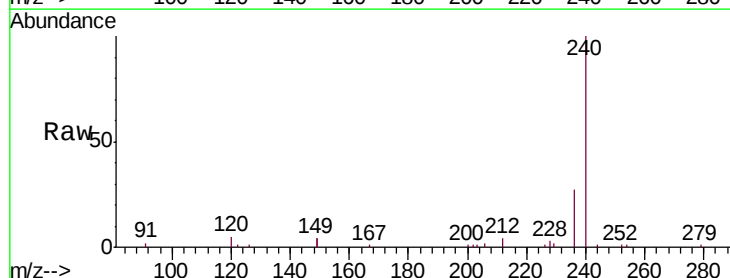
Tgt Ion:240 Resp: 15503

Ion Ratio Lower Upper

240 100

120 5.1 5.4 8.0#

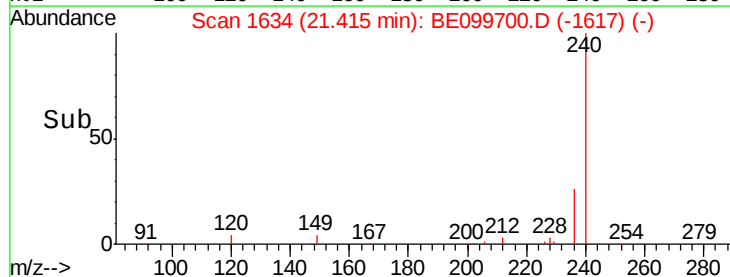
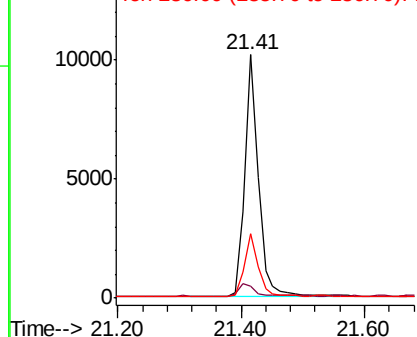
236 26.5 21.7 32.5

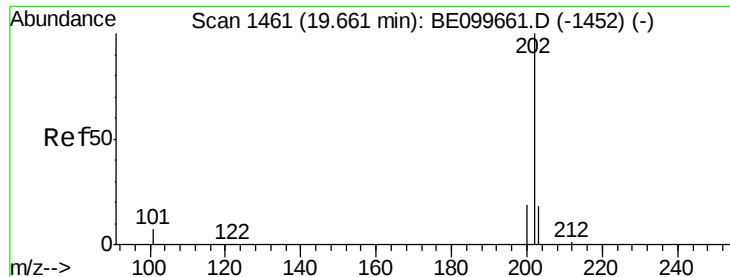


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

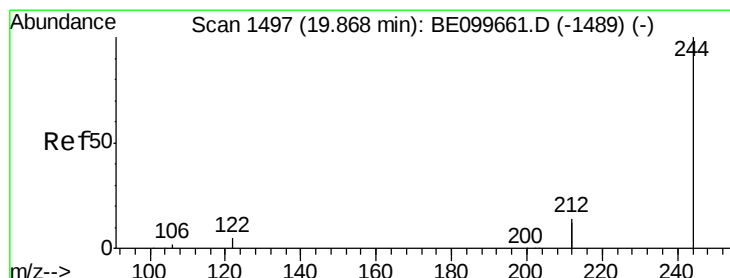
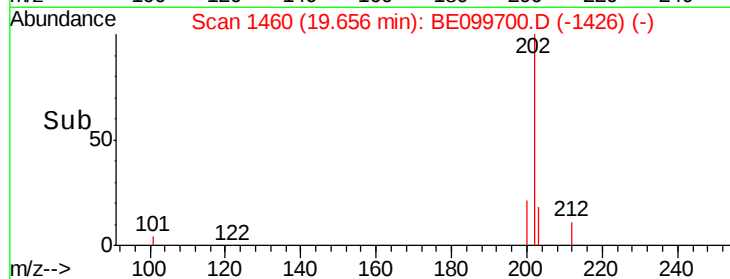
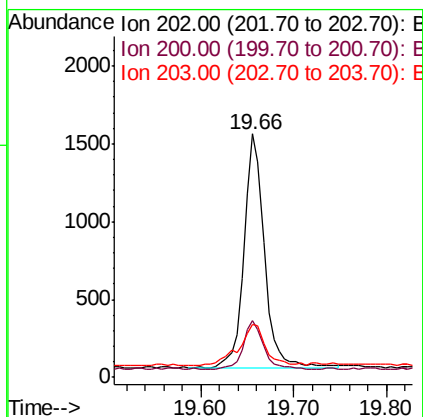
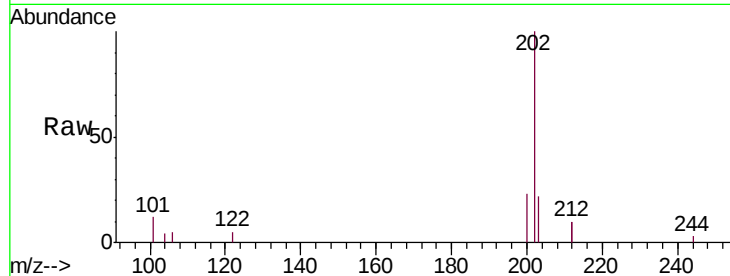




#28
 Pyrene
 Concen: 0.059 ng
 RT: 19.66 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BE099700.D
 Acq: 21 May 2019 21:45

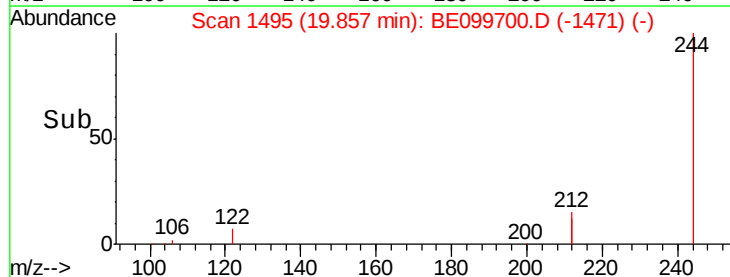
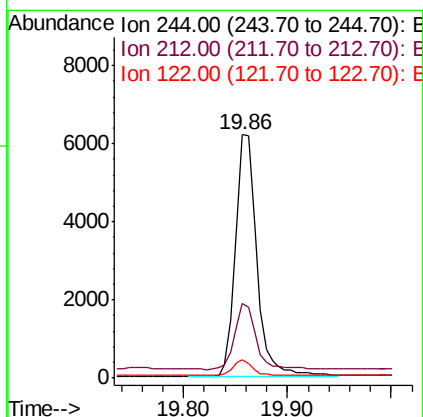
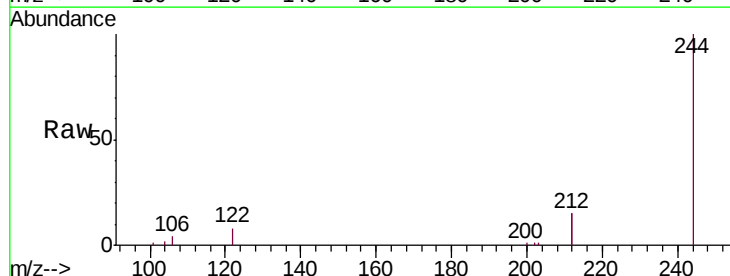
Instrument :
 BNA_E
 ClientSampleId :
 FESB-2(14.5-15)

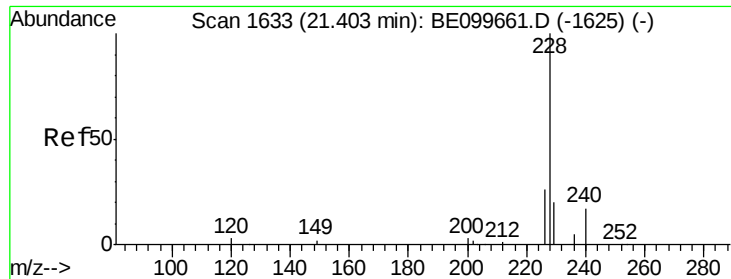
Tgt Ion: 202 Resp: 2294
 Ion Ratio Lower Upper
 202 100
 200 20.1 15.4 23.2
 203 22.1 13.8 20.8#



#29
 Terphenyl-d14
 Concen: 0.321 ng
 RT: 19.86 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: BE099700.D
 Acq: 21 May 2019 21:45

Tgt Ion: 244 Resp: 8877
 Ion Ratio Lower Upper
 244 100
 212 30.6 22.5 33.7
 122 7.6 4.3 6.5#





#30

Benzo(a)anthracene

Concen: 0.031 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

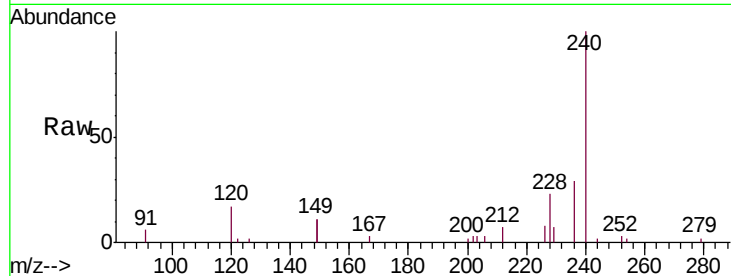
Tgt Ion:228 Resp: 1385

Ion Ratio Lower Upper

228 100

226 33.3 21.3 31.9#

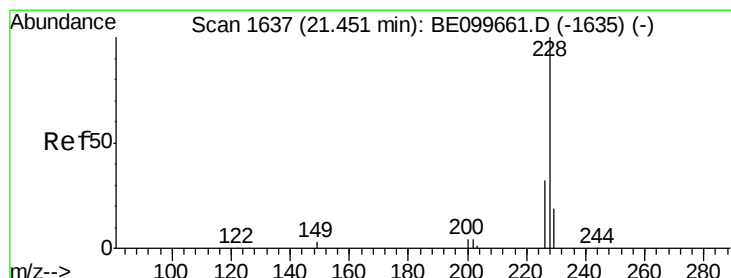
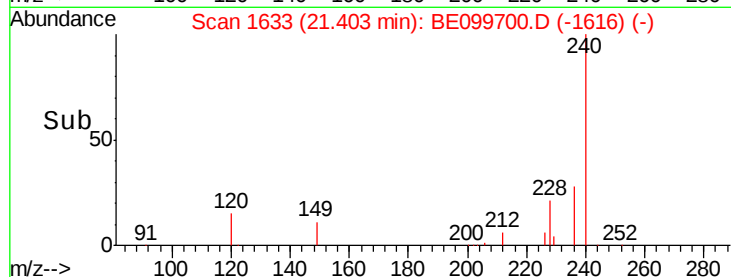
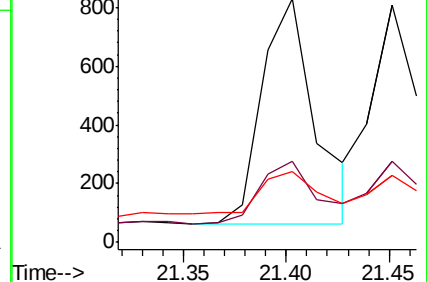
229 29.2 16.1 24.1#



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: 0.025 ng

RT: 21.45 min Scan# 1637

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

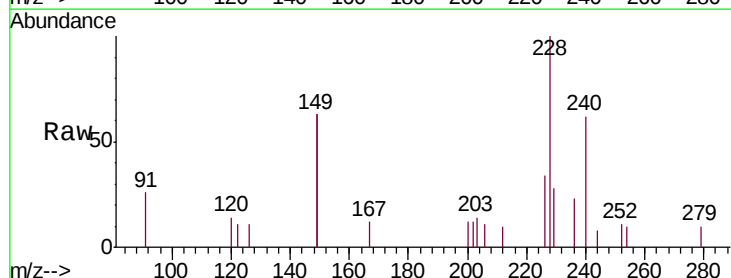
Tgt Ion:228 Resp: 1160

Ion Ratio Lower Upper

228 100

226 34.1 24.7 37.1

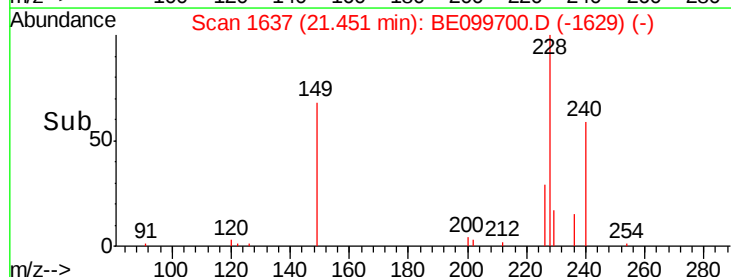
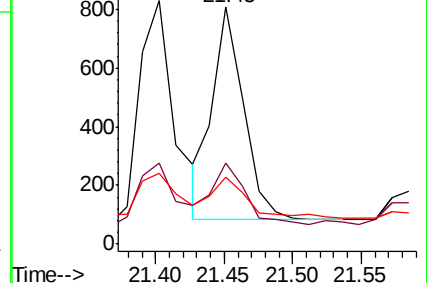
229 28.0 15.8 23.6#

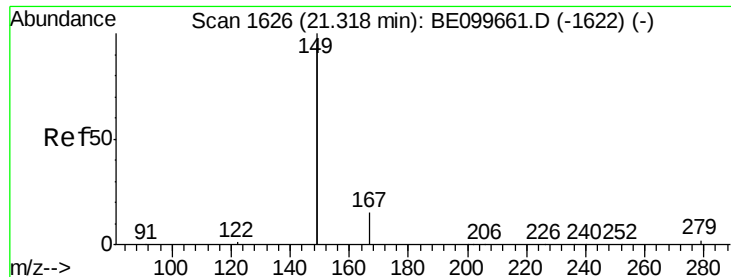


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.900 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

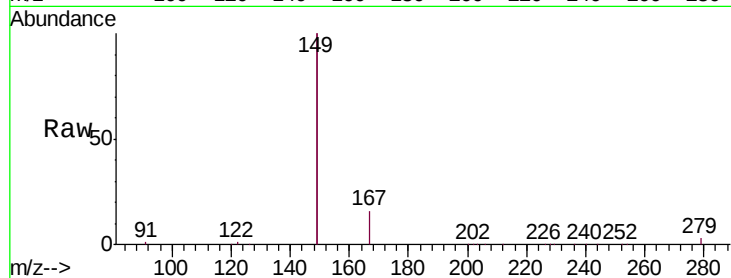
Tgt Ion:149 Resp: 96455

Ion Ratio Lower Upper

149 100

167 7.5 6.2 9.4

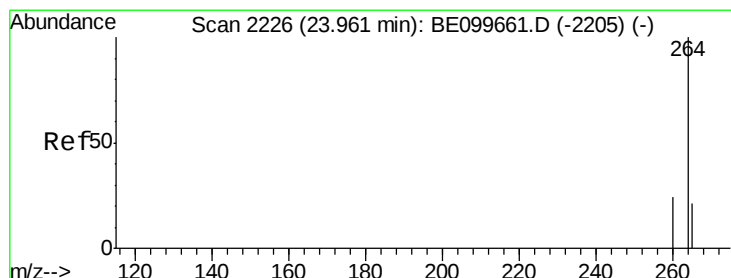
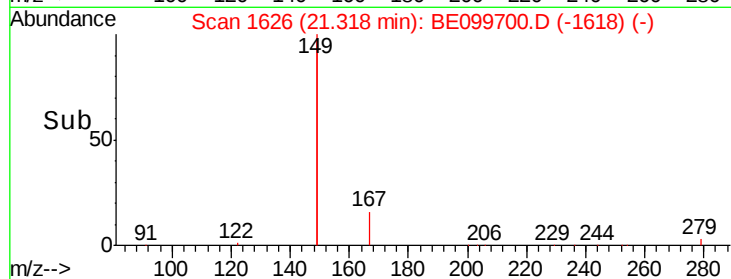
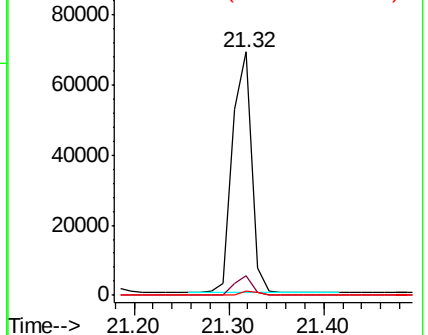
279 1.5 1.2 1.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

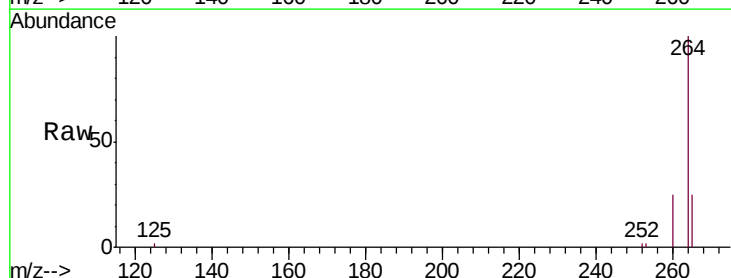
Tgt Ion:264 Resp: 18527

Ion Ratio Lower Upper

264 100

260 25.3 19.6 29.4

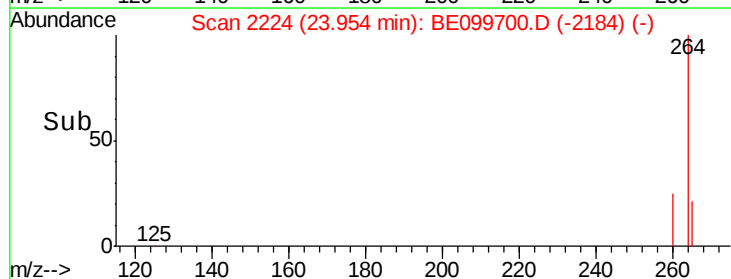
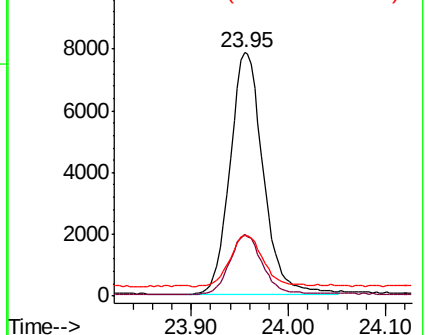
265 24.8 19.1 28.7

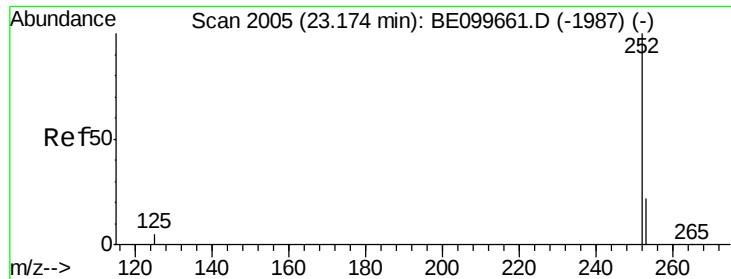


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.034 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)

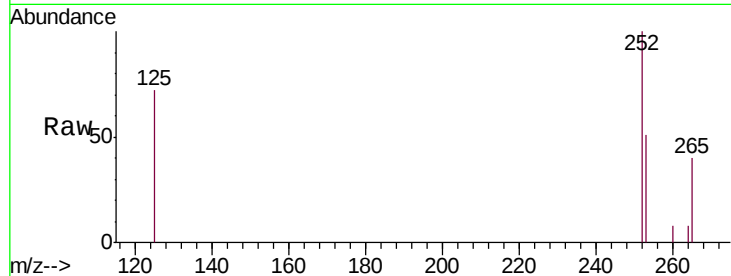
Tgt Ion:252 Resp: 1743

Ion Ratio Lower Upper

252 100

253 50.7 18.2 27.4#

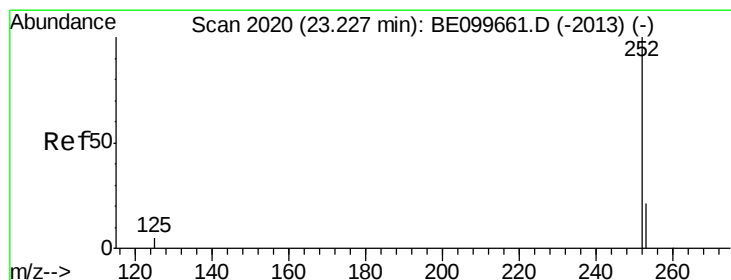
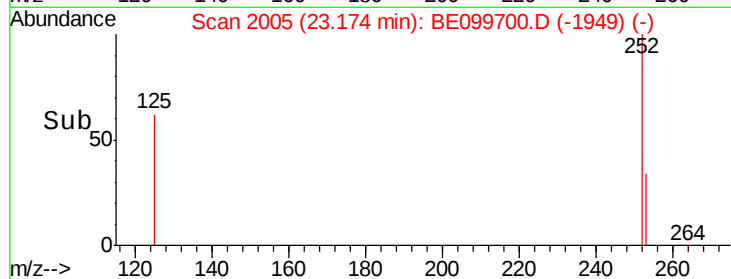
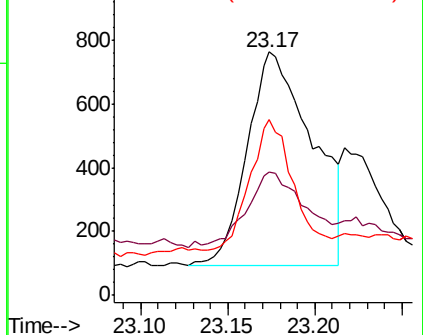
125 72.0 4.5 6.7#



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: 0.033 ng

RT: 23.17 min Scan# 2005

Delta R.T. -0.05 min

Lab File: BE099700.D

Acq: 21 May 2019 21:45

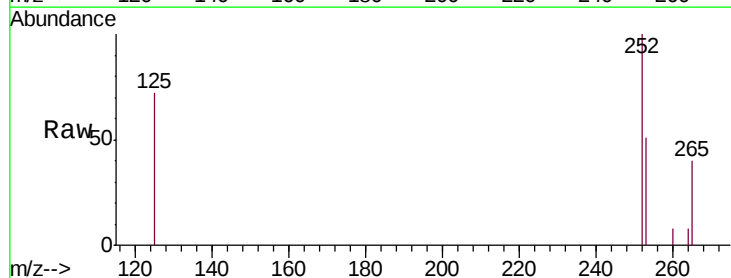
Tgt Ion:252 Resp: 1743

Ion Ratio Lower Upper

252 100

253 50.7 17.8 26.8#

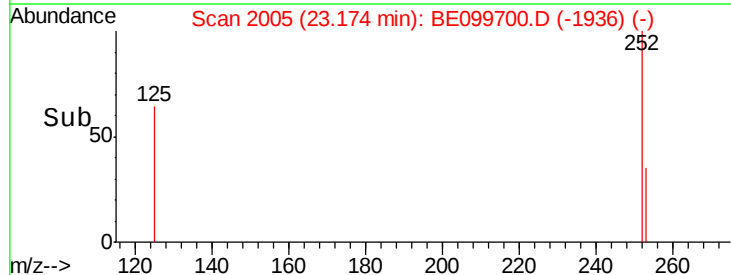
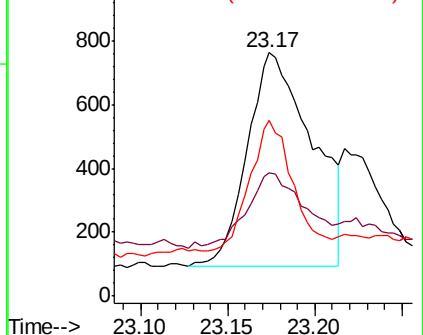
125 72.0 4.6 6.8#

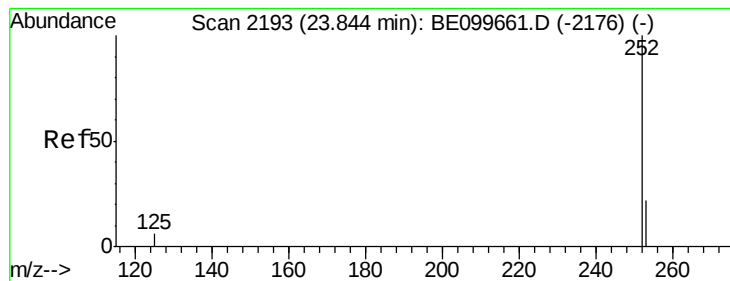


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.84 min Scan# 2193

Delta R.T. 0.00 min

Lab File: BE099700.D

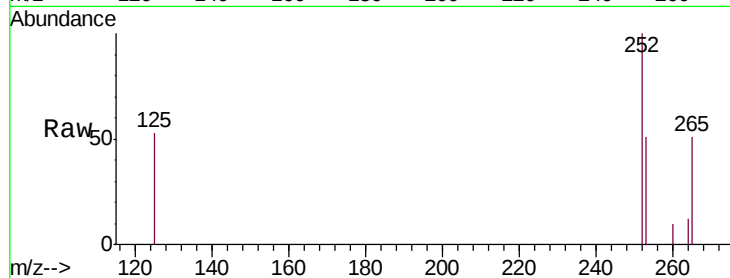
Acq: 21 May 2019 21:45

Instrument :

BNA_E

ClientSampleId :

FESB-2(14.5-15)



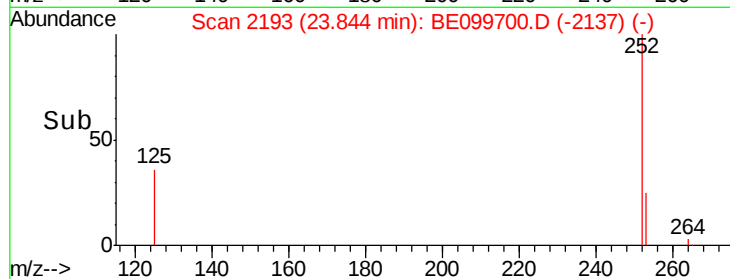
Tgt Ion: 252 Resp: 1217

Ion Ratio Lower Upper

252 100

253 50.6 18.9 28.3#

125 53.3 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

