

Data File : BE099698.D
Acq On : 21 May 2019 20:34
Operator : JU/SJ
Sample : K2906-04
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

Quant Time: May 22 08:17:28 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	1522	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5181	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	3629	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	10584	0.40	ng	0.00
27) Chrysene-d12	21.41	240	15845	0.40	ng	0.00
34) Perylene-d12	23.95	264	19747	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	1310	0.34	ng	0.00
5) Phenol-d6	6.97	99	1730	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	1345	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2853	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	670	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	4145	0.30	ng	0.00
25) Fluoranthene-d10	19.27	212	42577	0.29	ng	0.00
29) Terphenyl-d14	19.86	244	8976	0.32	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.63	42	28	0.023	ng	# 54
22) Pentachlorophenol	16.92	266	22	0.192	ng	# 78
26) Fluoranthene	19.29	202	2397	0.059	ng	# 97
28) Pyrene	19.66	202	2236	0.056	ng	# 96
30) Benzo(a)anthracene	21.40	228	1570	0.035	ng	# 82
31) Chrysene	21.45	228	1416	0.029	ng	# 89
32) Bis(2-ethylhexyl)phthalate	21.32	149	9273	0.179	ng	# 100
33) Indeno(1,2,3-cd)pyrene	26.64	276	1203	0.021	ng	# 81
35) Benzo(b)fluoranthene	23.18	252	2426	0.045	ng	# 34
36) Benzo(k)fluoranthene	23.18	252	2426	0.043	ng	# 33
37) Benzo(a)pyrene	23.84	252	1568	0.030	ng	# 24
39) Benzo(g,h,i)perylene	27.48	276	1261	0.023	ng	# 76

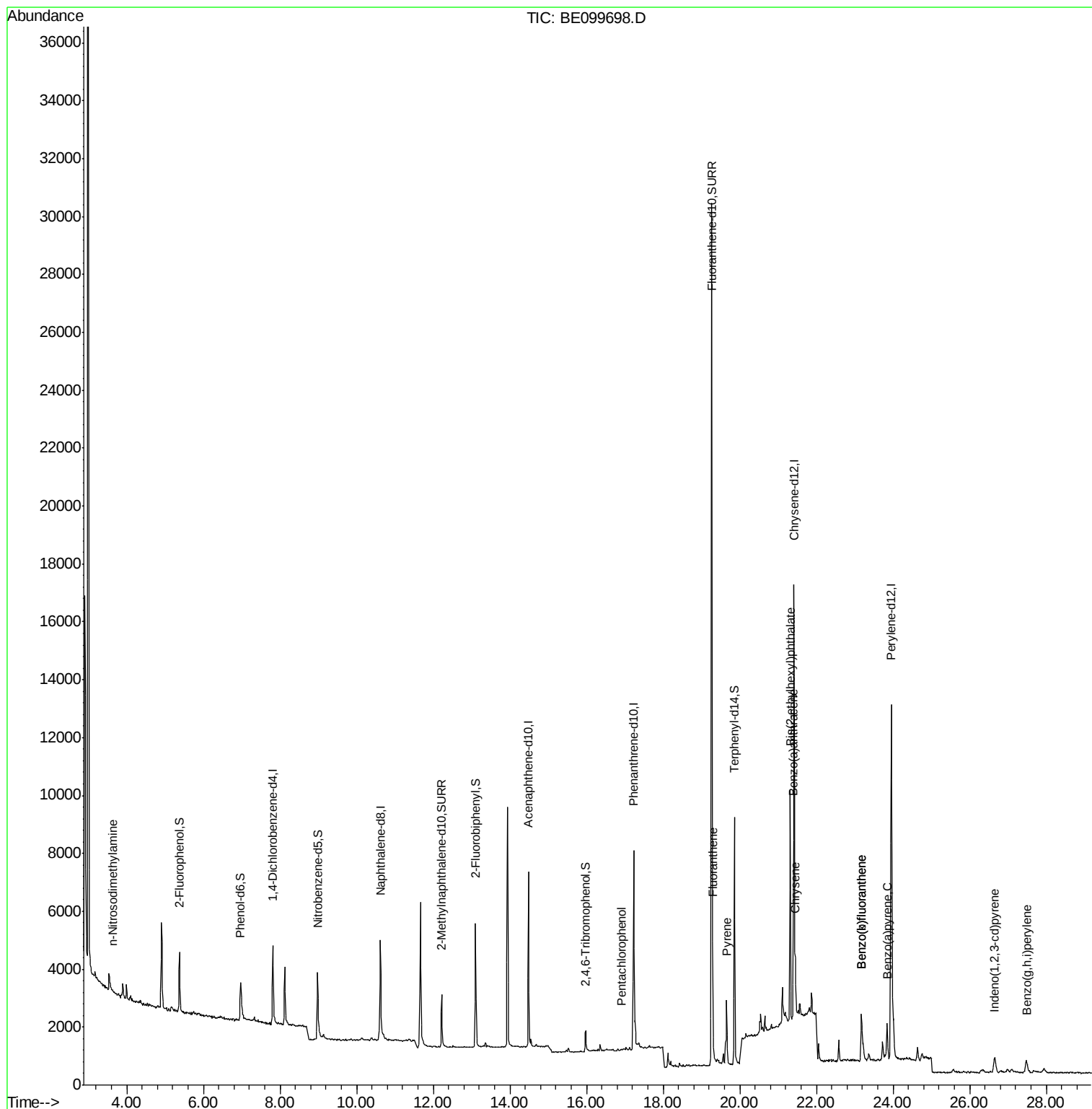
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BE099698.D

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

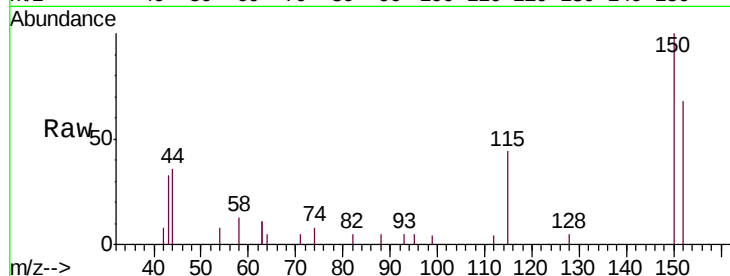
Tgt Ion:152 Resp: 1522

Ion Ratio Lower Upper

152 100

150 146.9 109.2 163.8

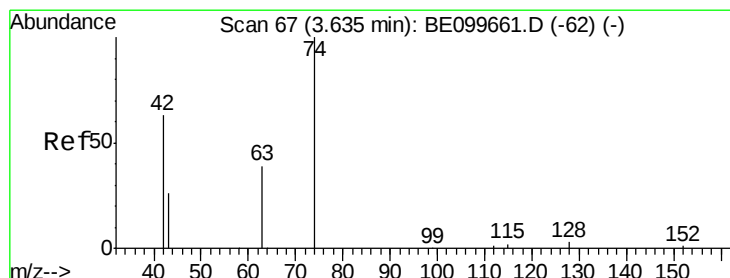
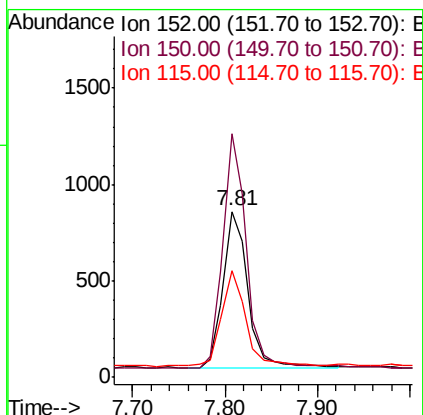
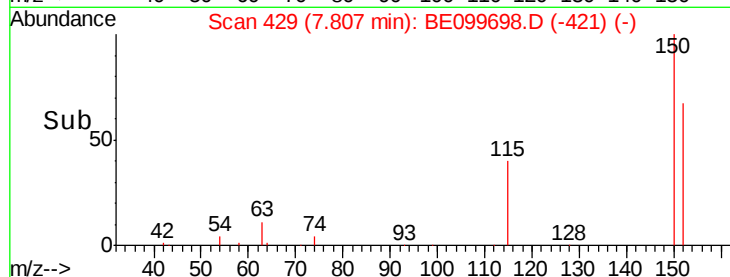
115 64.2 43.7 65.5



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



#3

n-Nitrosodimethylamine

Concen: 0.023 ng

RT: 3.63 min Scan# 66

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

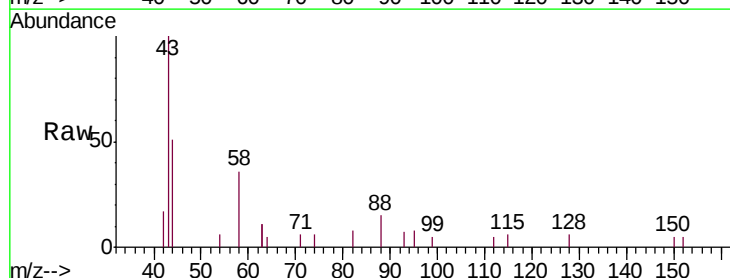
Tgt Ion: 42 Resp: 28

Ion Ratio Lower Upper

42 100

74 100.0 129.2 193.8#

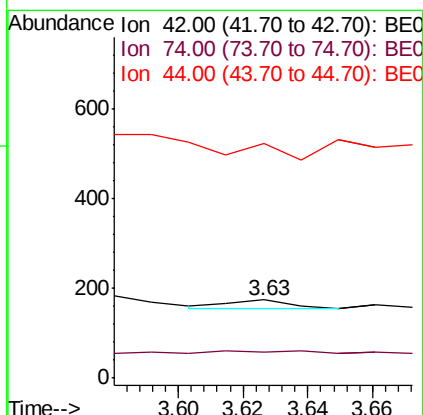
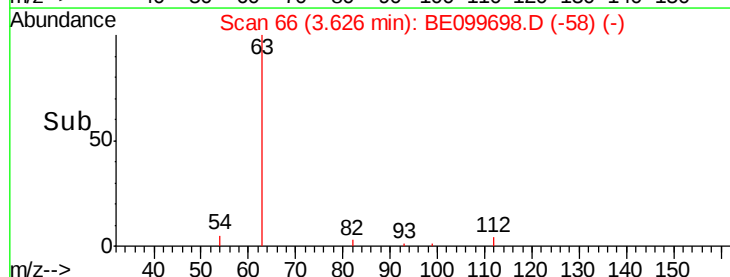
44 0.0 0.0 0.0

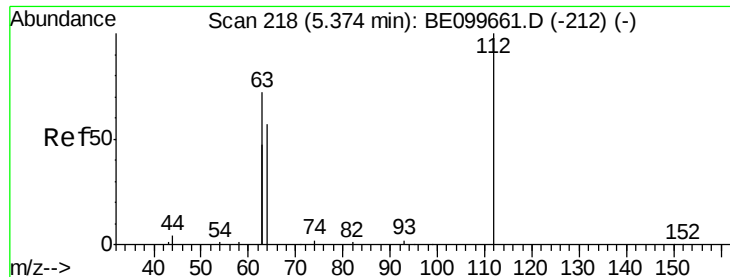


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.341 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

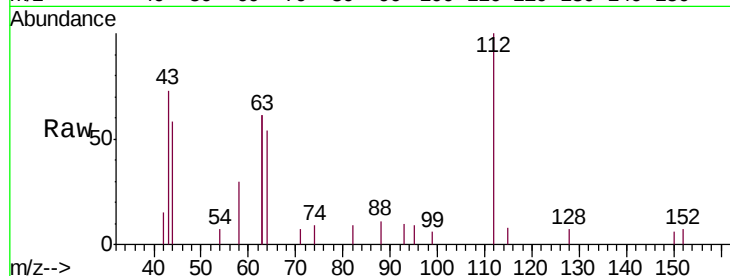
Tgt Ion: 112 Resp: 1310

Ion Ratio Lower Upper

112 100

64 54.2 43.4 65.2

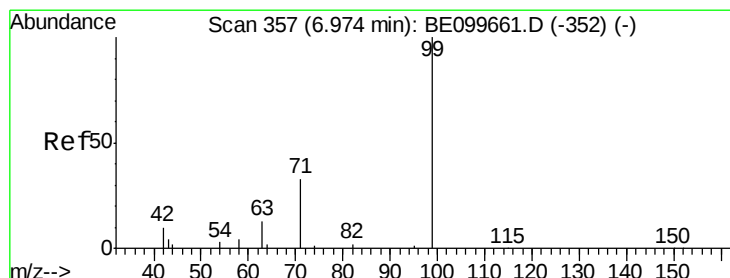
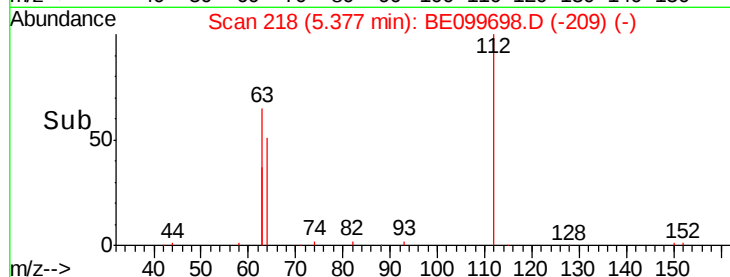
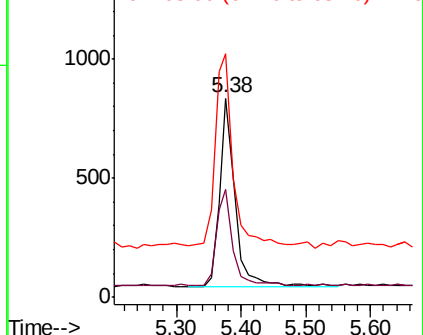
63 115.7 96.9 145.3



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.340 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

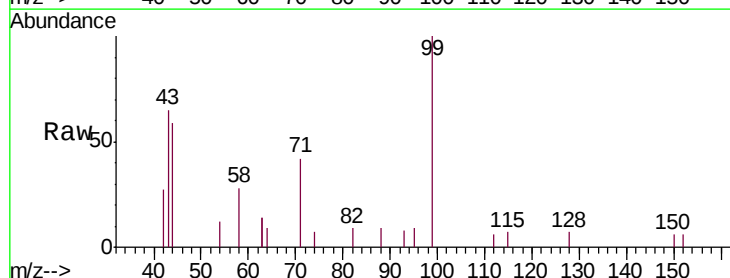
Tgt Ion: 99 Resp: 1730

Ion Ratio Lower Upper

99 100

42 19.1 12.2 18.2#

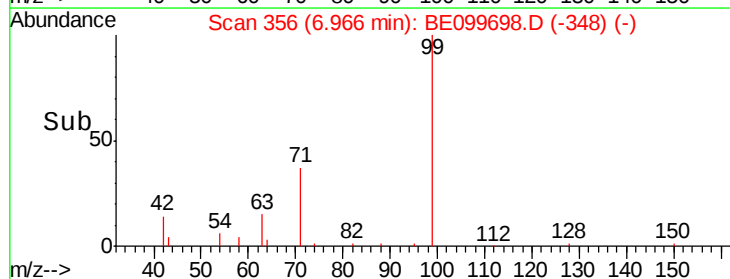
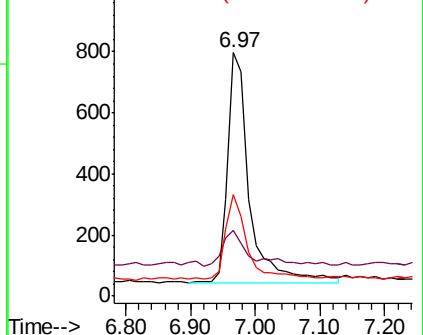
71 37.1 28.9 43.3

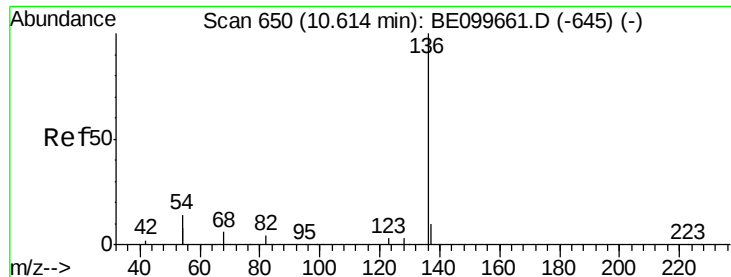


Abundance Ion 99.00 (98.70 to 99.70): BE0

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: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

Tgt Ion:136 Resp: 5181

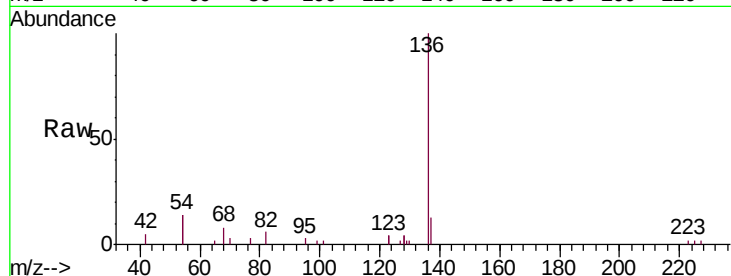
Ion Ratio Lower Upper

136 100

137 13.1 9.0 13.6

54 27.2 22.3 33.5

68 8.3 6.0 9.0

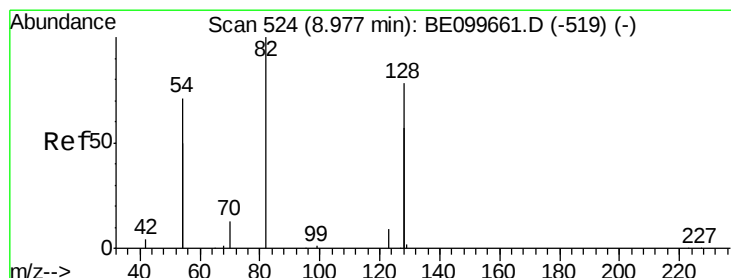
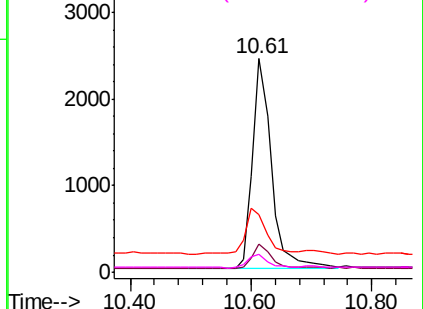
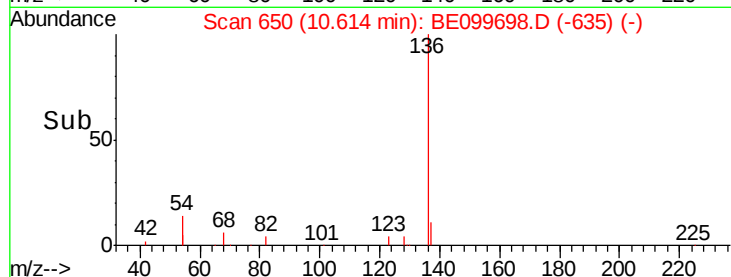


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.300 ng

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

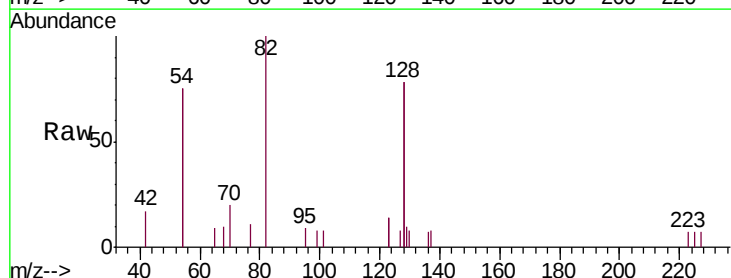
Tgt Ion: 82 Resp: 1345

Ion Ratio Lower Upper

82 100

128 155.4 117.7 176.5

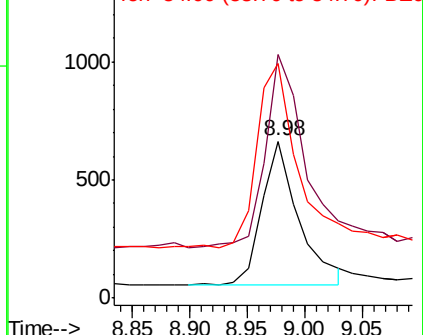
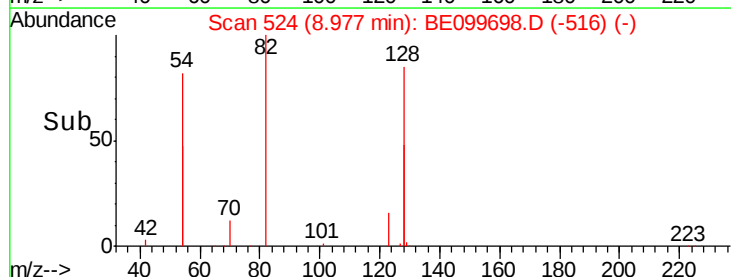
54 149.9 106.6 160.0

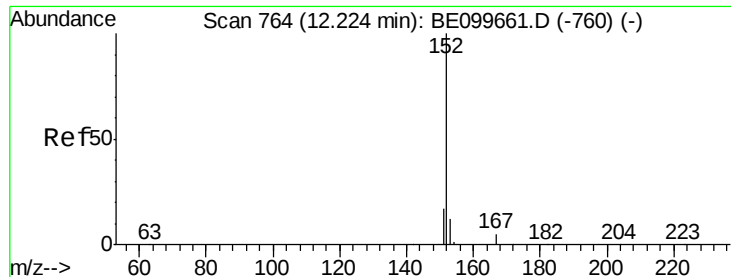


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

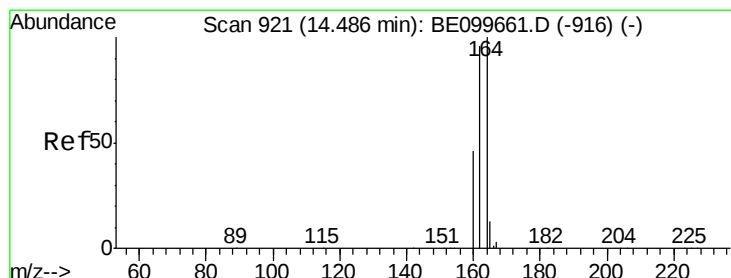
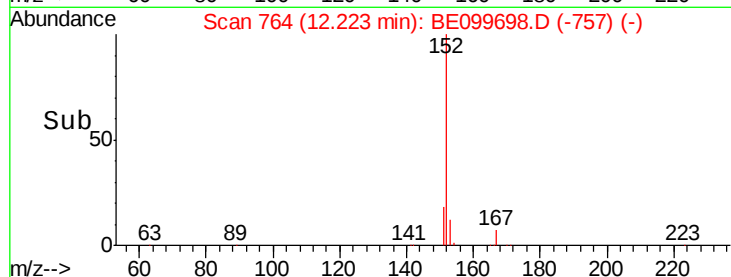
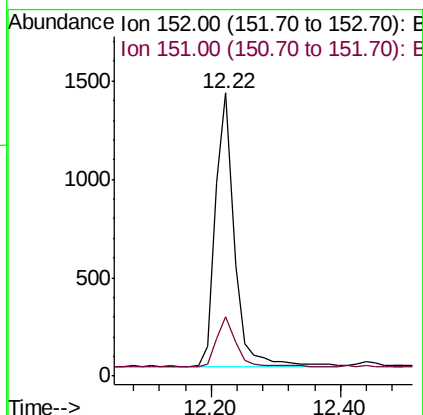
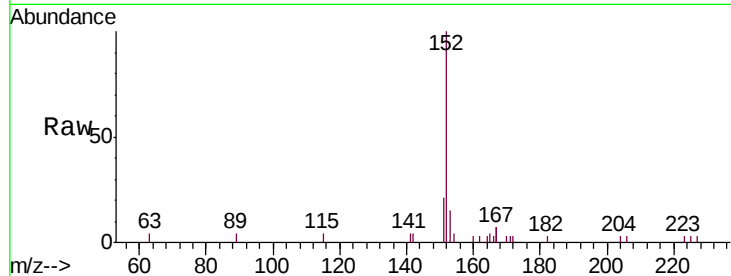




#11
 2-Methylnaphthalene-d10
 Concen: 0.319 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099698.D
 Acq: 21 May 2019 20:34

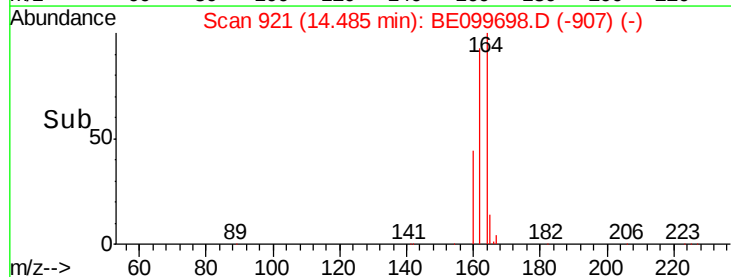
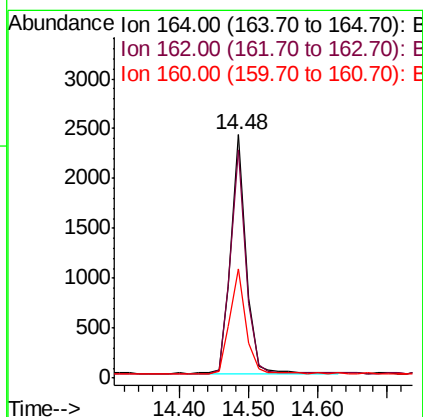
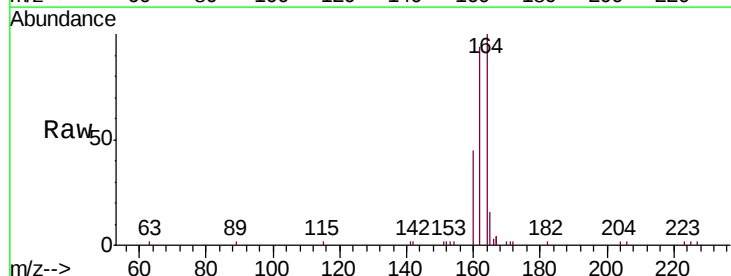
Instrument :
 BNA_E
 ClientSampleId :
 FESB-10(8-8.5)

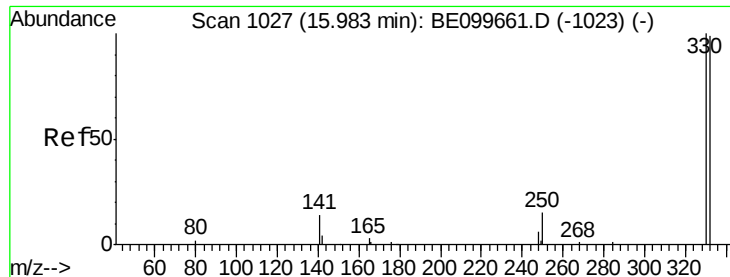
Tgt Ion:152 Resp: 2853
 Ion Ratio Lower Upper
 152 100
 151 18.4 15.0 22.4



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.48 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE099698.D
 Acq: 21 May 2019 20:34

Tgt Ion:164 Resp: 3629
 Ion Ratio Lower Upper
 164 100
 162 93.6 76.5 114.7
 160 44.8 37.4 56.2

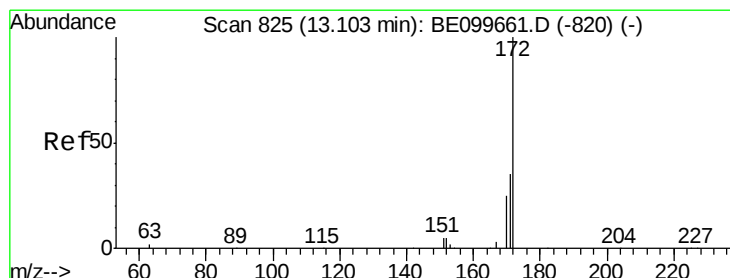
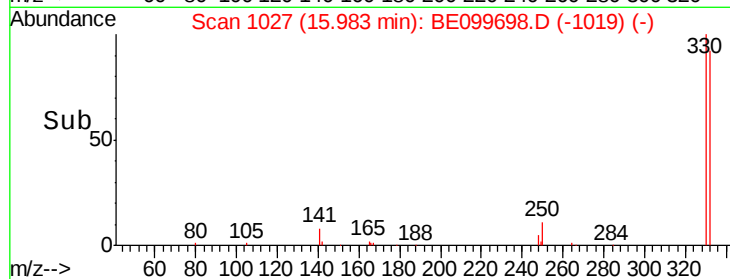
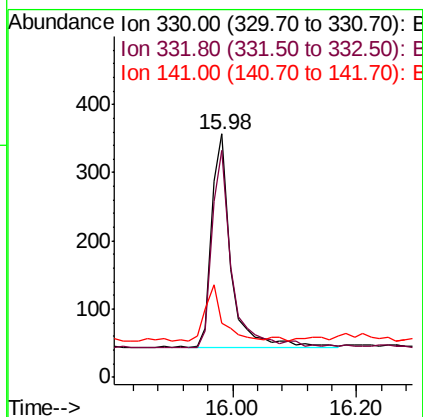
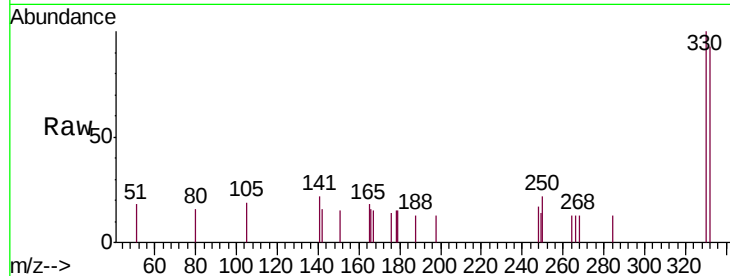




#14
 2,4,6-Tribromophenol
 Concen: 0.375 ng
 RT: 15.98 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BE099698.D
 Acq: 21 May 2019 20:34

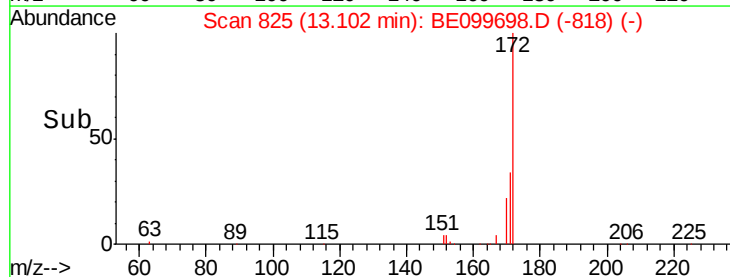
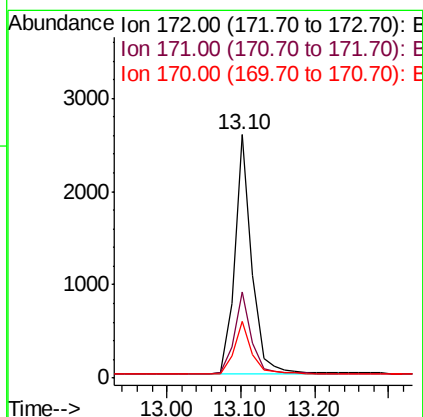
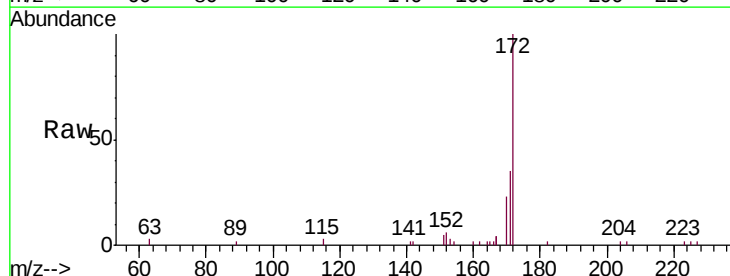
Instrument :
 BNA_E
 ClientSampleId :
 FESB-10(8-8.5)

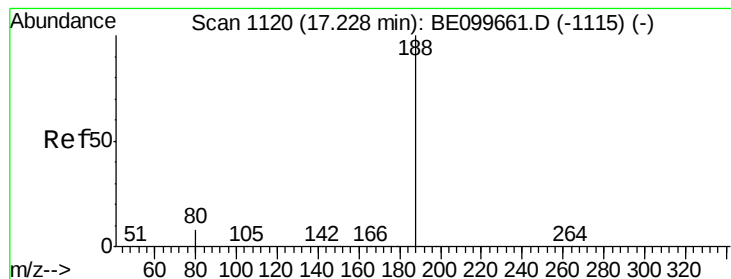
Tgt Ion: 330 Resp: 670
 Ion Ratio Lower Upper
 330 100
 332 94.2 77.3 115.9
 141 25.7 18.9 28.3



#15
 2-Fluorobiphenyl
 Concen: 0.301 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE099698.D
 Acq: 21 May 2019 20:34

Tgt Ion: 172 Resp: 4145
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.7 43.1
 170 23.5 20.9 31.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

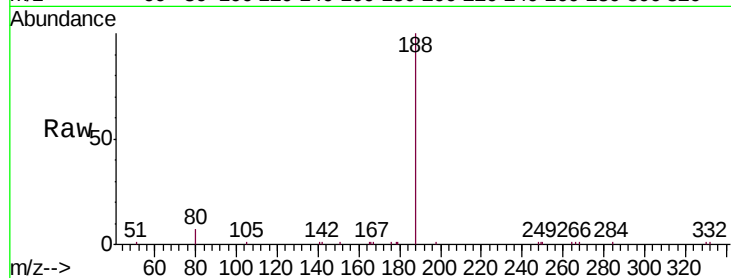
Tgt Ion:188 Resp: 10584

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

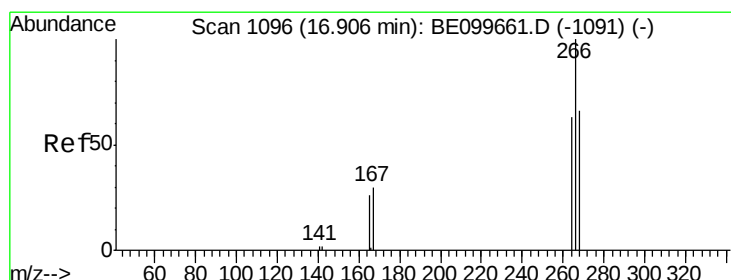
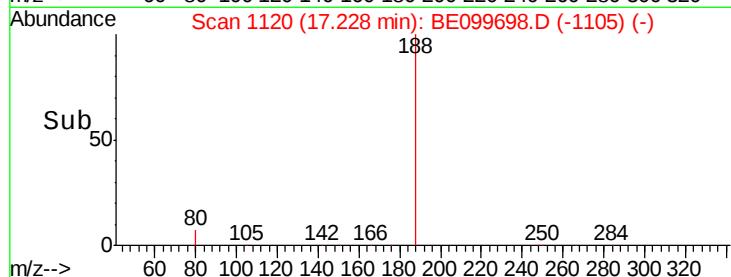
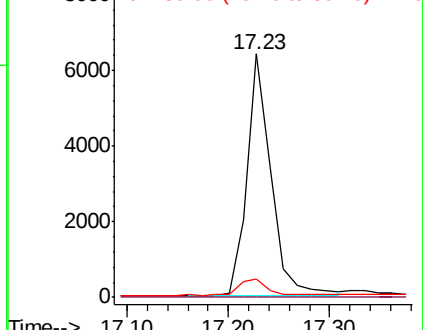
80 7.4 6.7 10.1



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: 0.192 ng

RT: 16.92 min Scan# 1097

Delta R.T. 0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

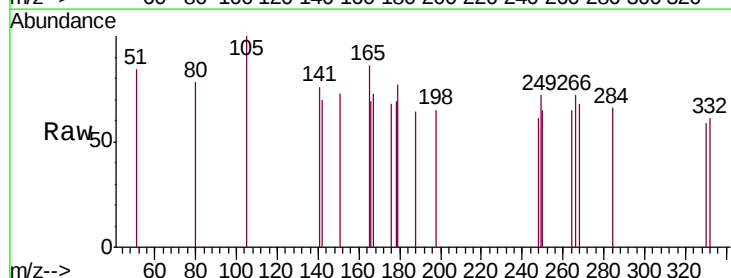
Tgt Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 90.6 57.2 85.8#

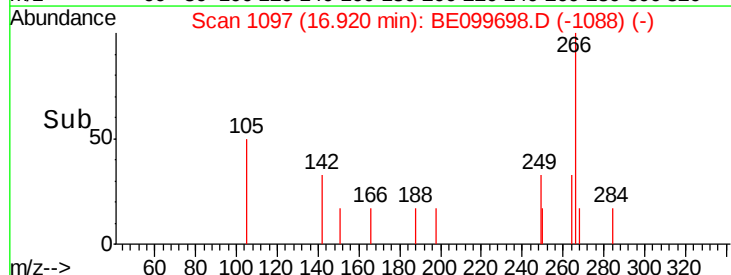
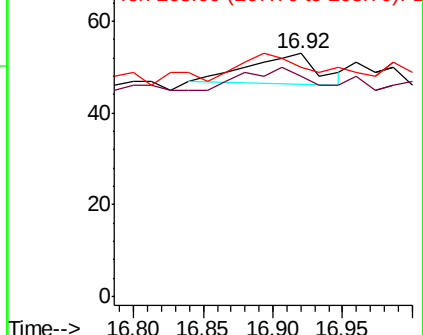
268 94.3 60.5 90.7#

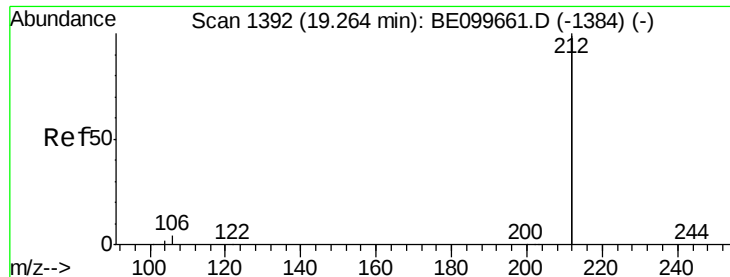


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

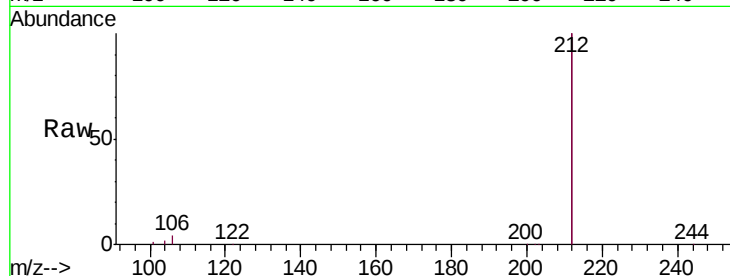
Instrument :

BNA_E

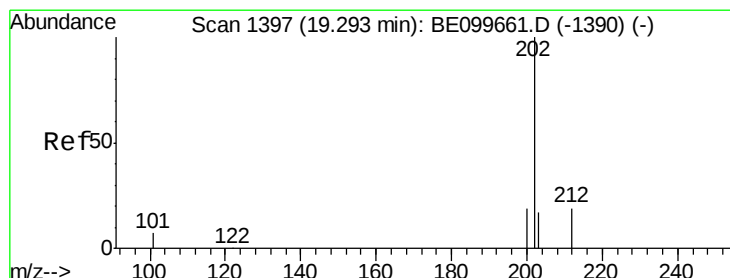
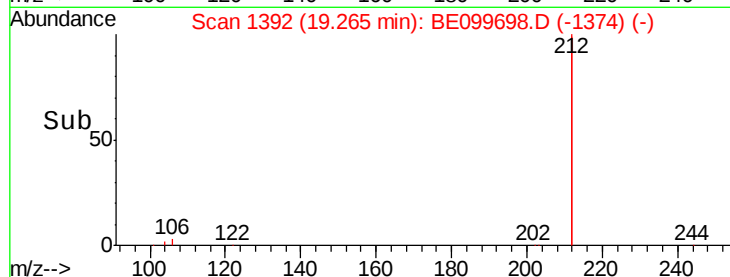
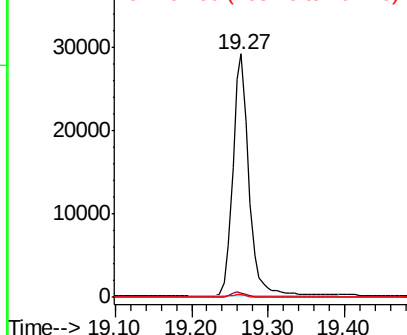
ClientSampleId :

FESB-10(8-8.5)

Tgt Ion:	212	Resp:	42577
Ion	Ratio	Lower	Upper
212	100		
106	2.0	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: 0.059 ng

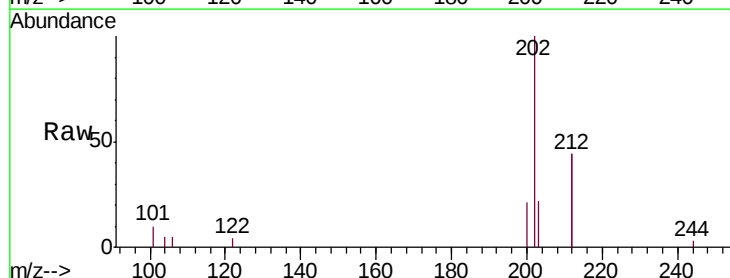
RT: 19.29 min Scan# 1397

Delta R.T. 0.00 min

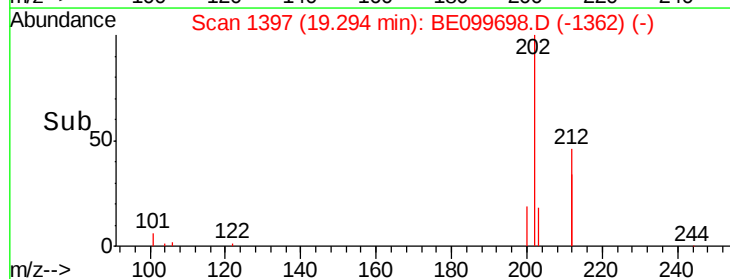
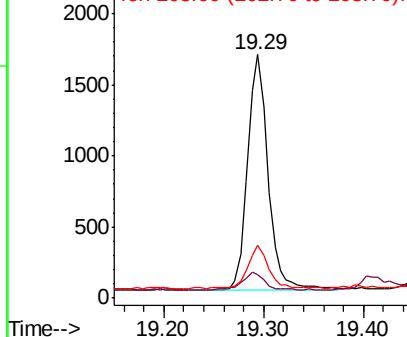
Lab File: BE099698.D

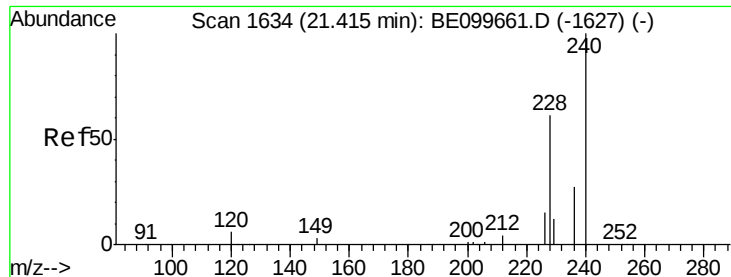
Acq: 21 May 2019 20:34

Tgt Ion:	202	Resp:	2397
Ion	Ratio	Lower	Upper
202	100		
101	9.4	5.2	7.8#
203	17.3	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# 1633

Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

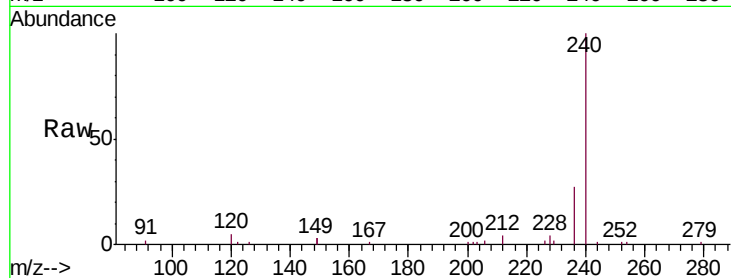
Tgt Ion:240 Resp: 15845

Ion Ratio Lower Upper

240 100

120 5.3 5.4 8.0#

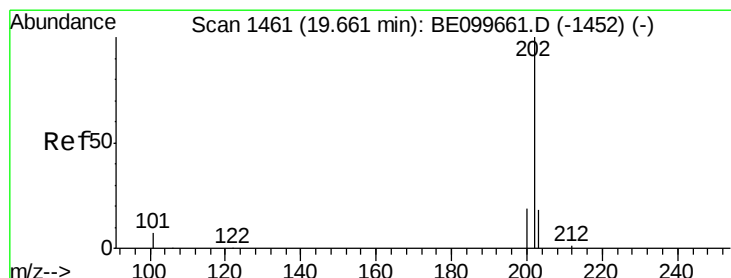
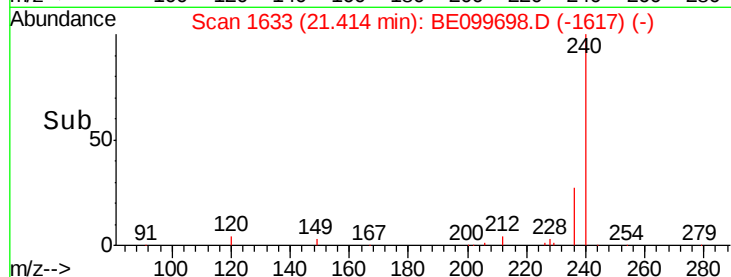
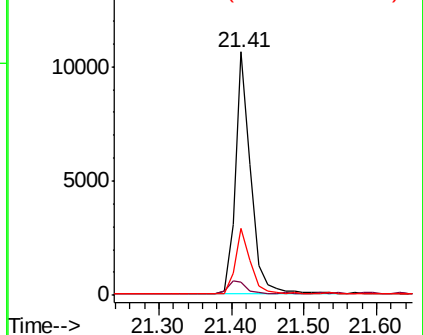
236 27.4 21.7 32.5



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: 0.056 ng

RT: 19.66 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

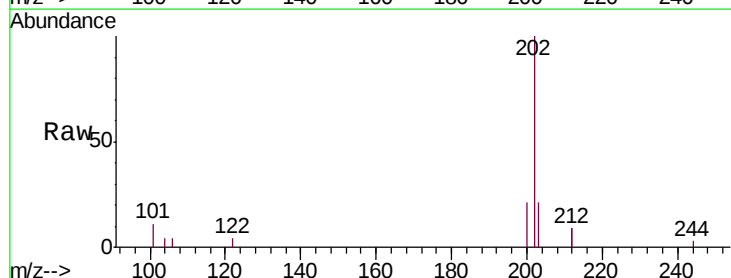
Tgt Ion:202 Resp: 2236

Ion Ratio Lower Upper

202 100

200 19.6 15.4 23.2

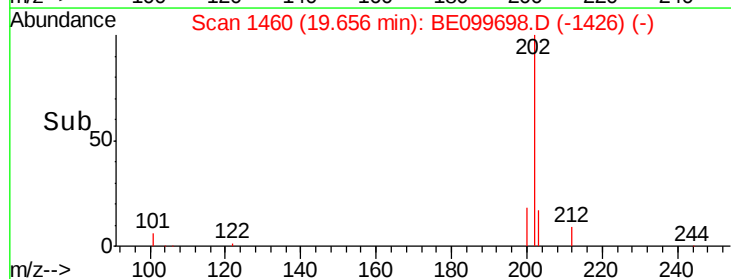
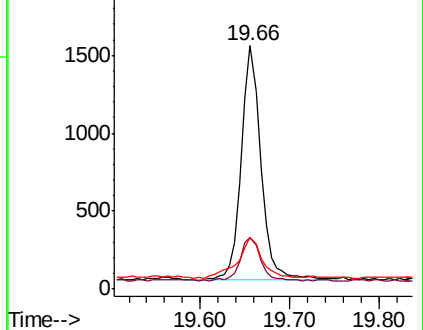
203 20.9 13.8 20.8#

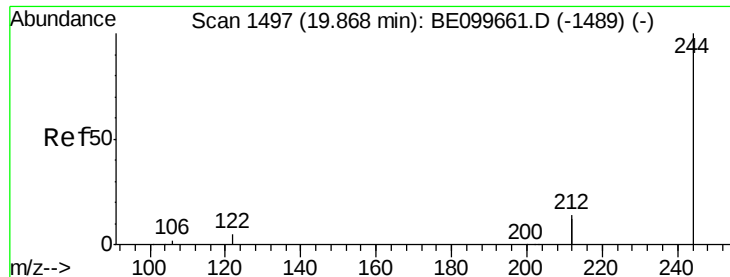


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.317 ng

RT: 19.86 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

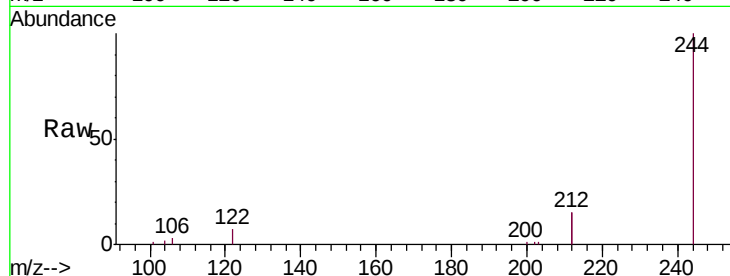
Tgt Ion:244 Resp: 8976

Ion Ratio Lower Upper

244 100

212 30.2 22.5 33.7

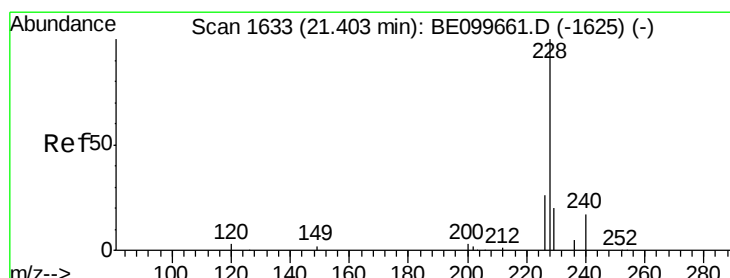
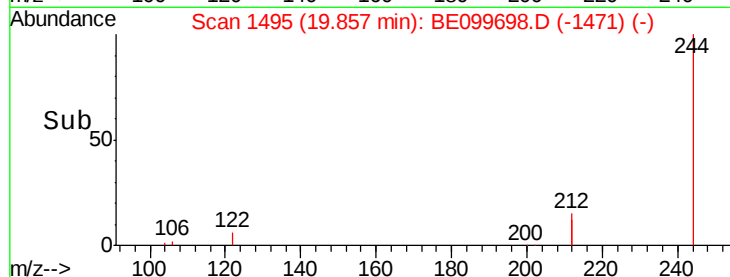
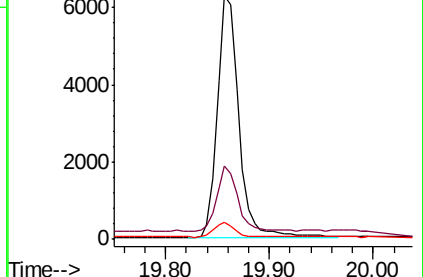
122 7.1 4.3 6.5#



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: 0.035 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

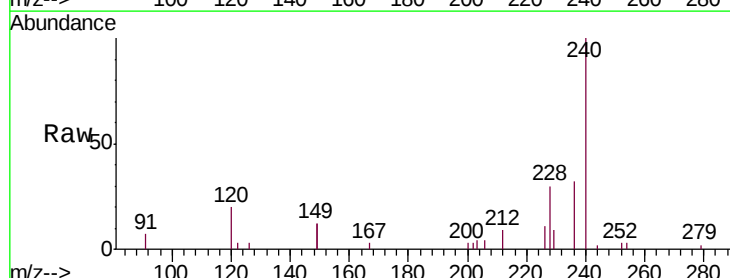
Tgt Ion:228 Resp: 1570

Ion Ratio Lower Upper

228 100

226 34.9 21.3 31.9#

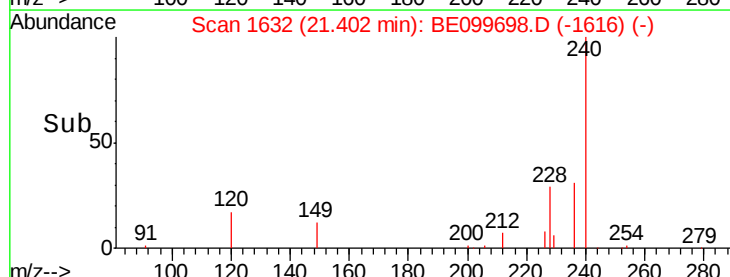
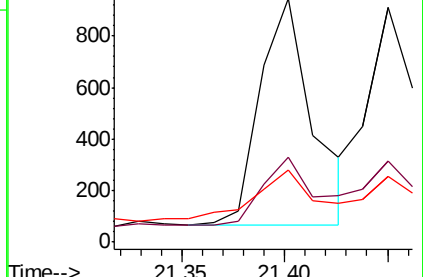
229 29.4 16.1 24.1#

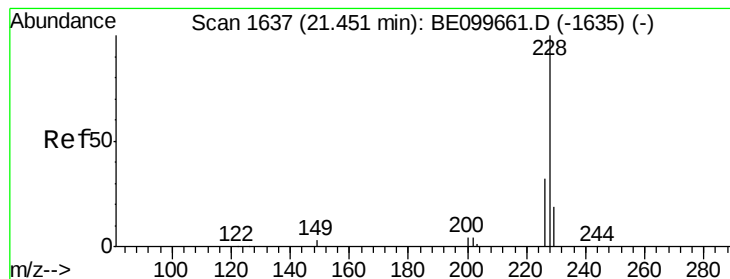


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.029 ng

RT: 21.45 min Scan# 1636

Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

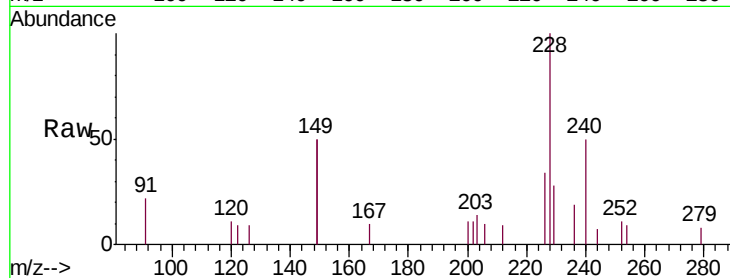
Tgt Ion:228 Resp: 1416

Ion Ratio Lower Upper

228 100

226 34.3 24.7 37.1

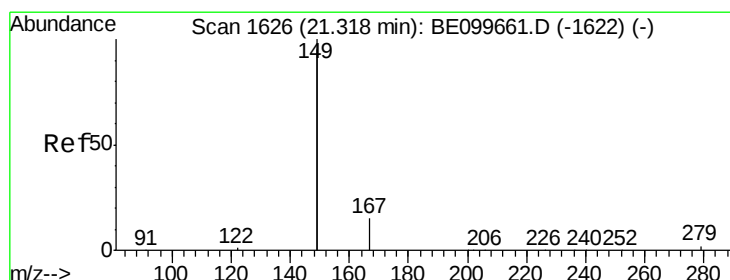
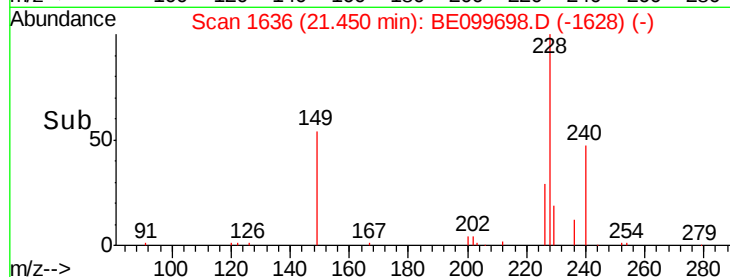
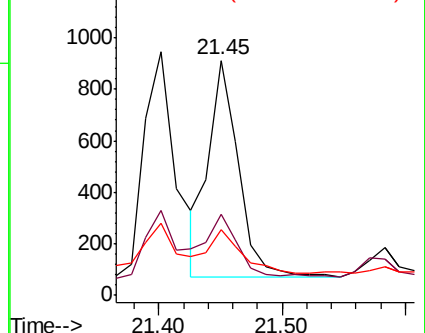
229 27.8 15.8 23.6#



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: 0.179 ng

RT: 21.32 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

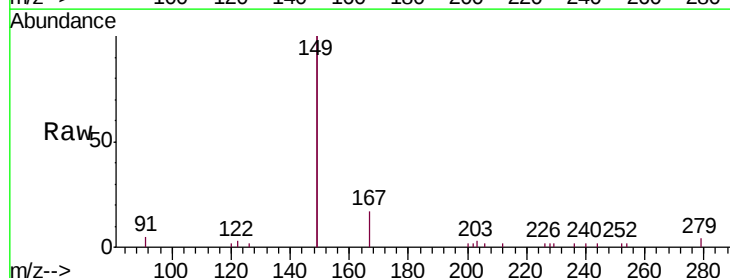
Tgt Ion:149 Resp: 9273

Ion Ratio Lower Upper

149 100

167 7.7 6.2 9.4

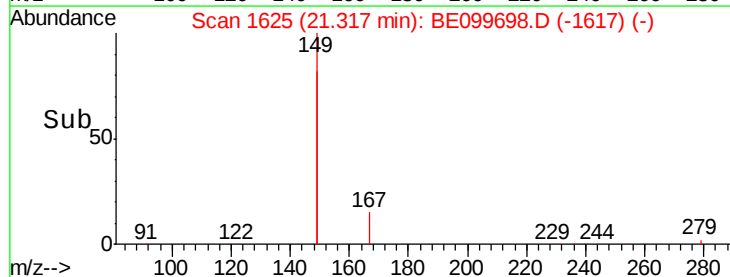
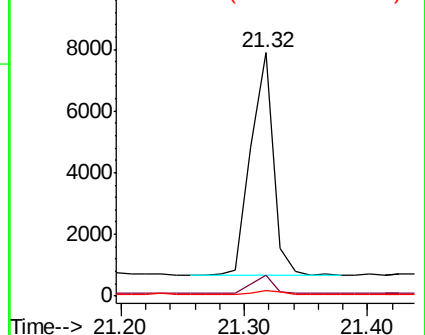
279 1.7 1.2 1.8

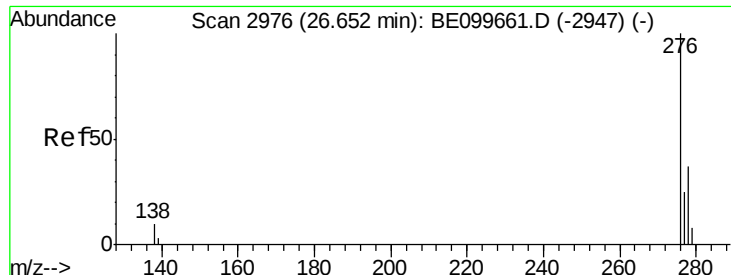


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.021 ng

RT: 26.64 min Scan# 2973

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

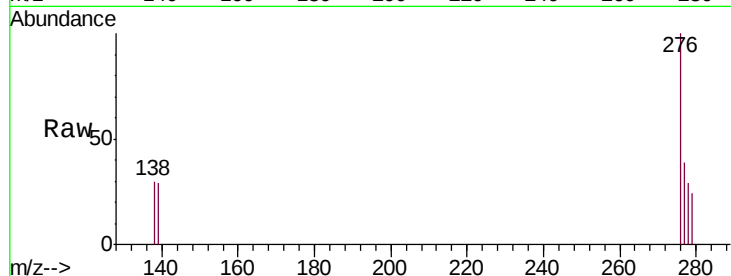
Tgt Ion:276 Resp: 1203

Ion Ratio Lower Upper

276 100

138 6.2 9.6 14.4#

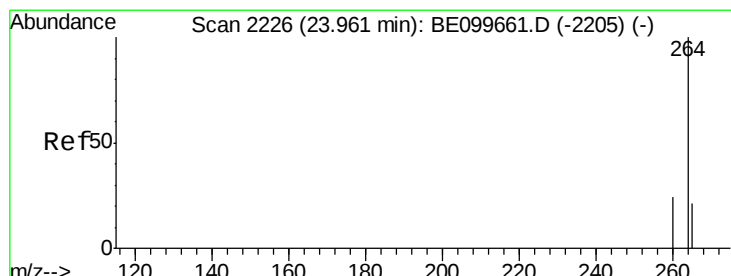
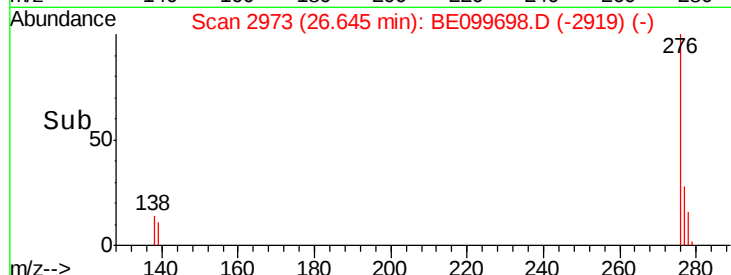
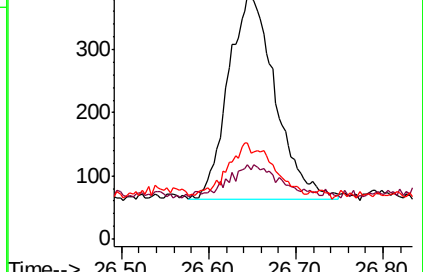
277 14.0 19.2 28.8#



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: 23.95 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

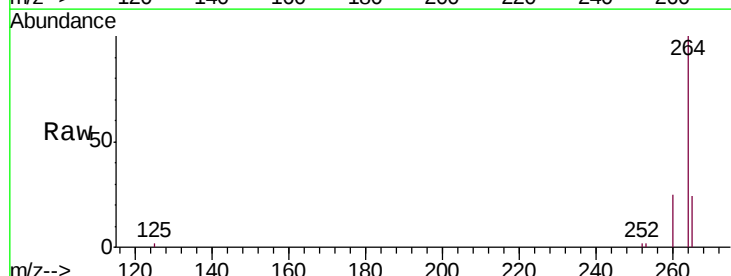
Tgt Ion:264 Resp: 19747

Ion Ratio Lower Upper

264 100

260 24.8 19.6 29.4

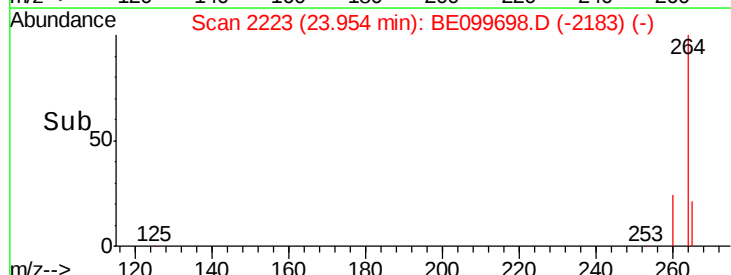
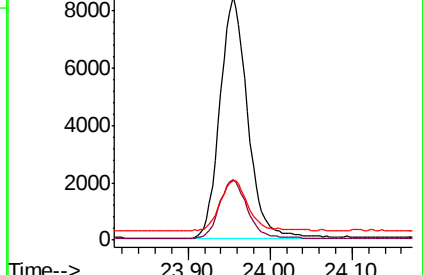
265 24.3 19.1 28.7

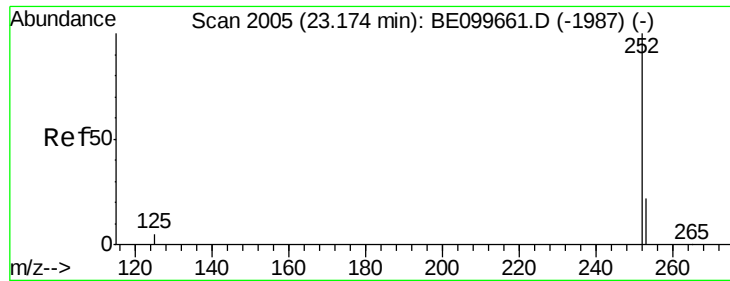


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

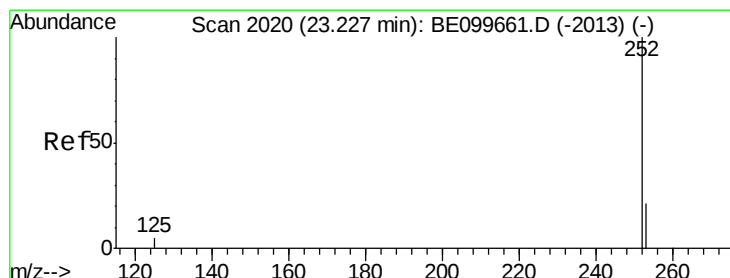
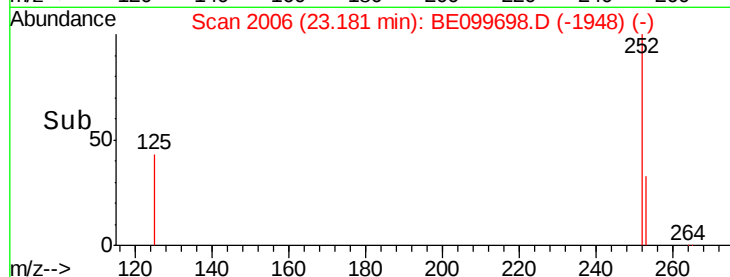
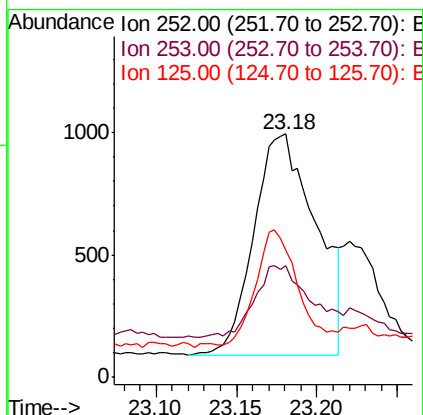
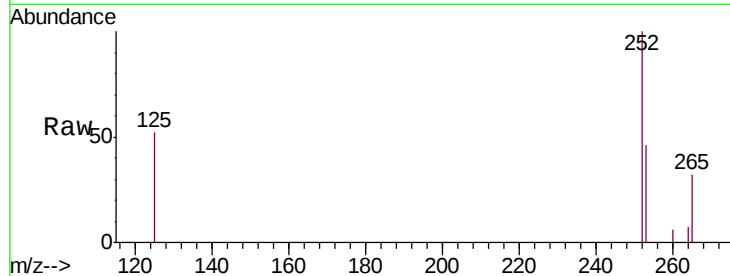




#35
Benzo(b)fluoranthene
Concen: 0.045 ng
RT: 23.18 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

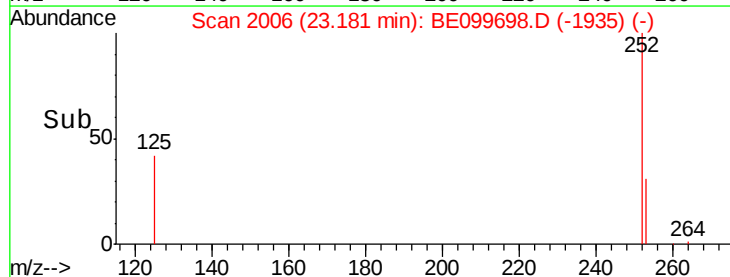
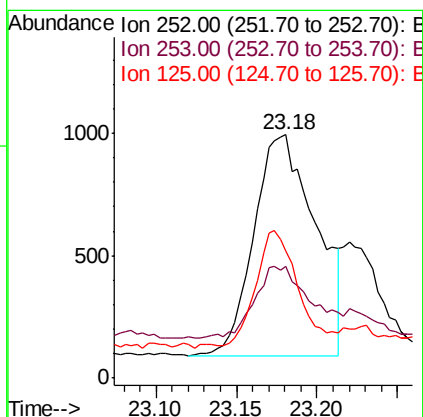
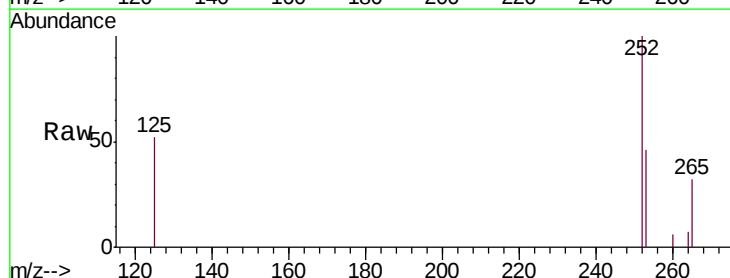
Instrument :
BNA_E
ClientSampleId :
FESB-10(8-8.5)

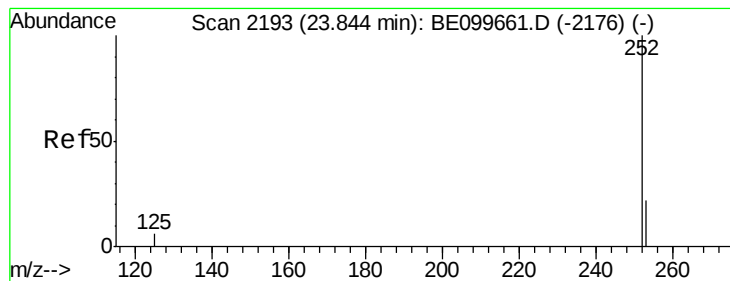
Tgt Ion:252 Resp: 2426
Ion Ratio Lower Upper
252 100
253 45.7 18.2 27.4#
125 52.5 4.5 6.7#



#36
Benzo(k)fluoranthene
Concen: 0.043 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.05 min
Lab File: BE099698.D
Acq: 21 May 2019 20:34

Tgt Ion:252 Resp: 2426
Ion Ratio Lower Upper
252 100
253 45.7 17.8 26.8#
125 52.5 4.6 6.8#





#37

Benzo(a)pyrene

Concen: 0.030 ng

RT: 23.84 min Scan# 2192

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

Instrument :

BNA_E

ClientSampleId :

FESB-10(8-8.5)

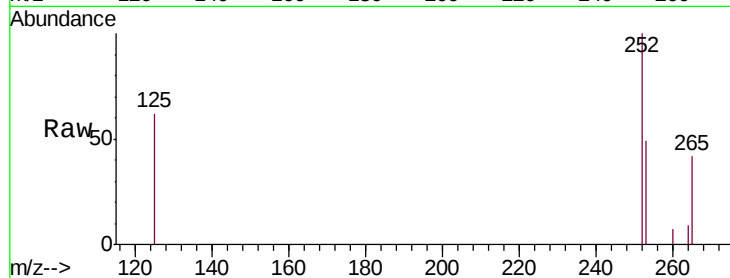
Tgt Ion:252 Resp: 1568

Ion Ratio Lower Upper

252 100

253 49.1 18.9 28.3#

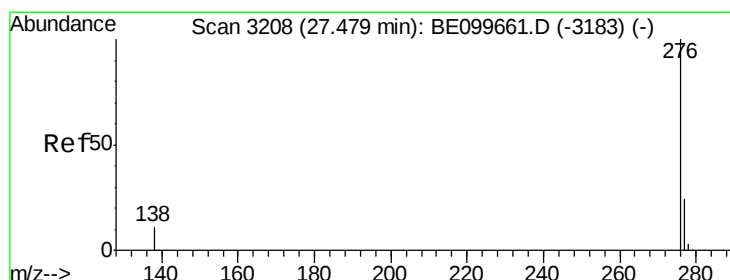
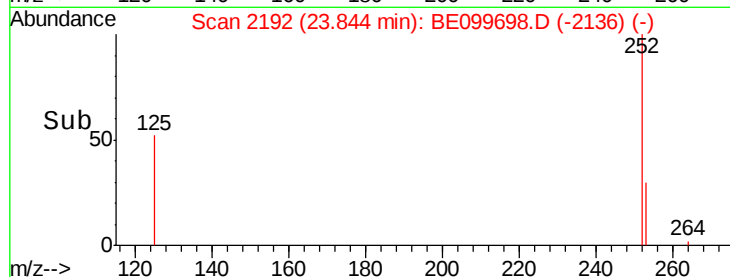
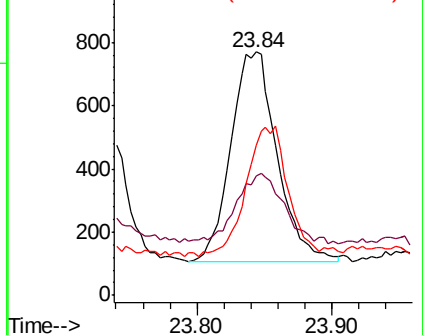
125 61.9 5.4 8.0#



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



#39

Benzo(g,h,i)perylene

Concen: 0.023 ng

RT: 27.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: BE099698.D

Acq: 21 May 2019 20:34

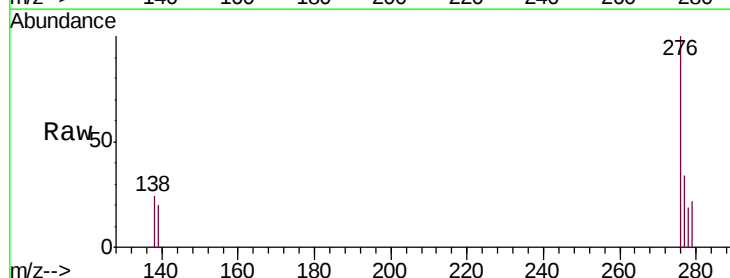
Tgt Ion:276 Resp: 1261

Ion Ratio Lower Upper

276 100

277 34.3 19.8 29.6#

138 24.1 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

