

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE011320\
 Data File : BE101044.D
 Acq On : 13 Jan 2020 18:48
 Operator : JU
 Sample : L1103-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-1(4-6)

Quant Time: Jan 14 09:56:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:36:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3130	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	13770	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	9310	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	21403	0.40	ng	0.00
27) Chrysene-d12	21.27	240	19695	0.40	ng	-0.01
34) Perylene-d12	23.69	264	21903	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	1458	0.21	ng	0.00
5) Phenol-d6	6.91	99	1799	0.20	ng	0.00
8) Nitrobenzene-d5	8.89	82	1479	0.15	ng	0.01
11) 2-Methylnaphthalene-d10	12.11	152	5080	0.19	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	315	0.12	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	8278	0.23	ng	0.00
25) Fluoranthene-d10	19.12	212	61283	0.21	ng	-0.01
29) Terphenyl-d14	19.73	244	11717	0.24	ng	-0.01

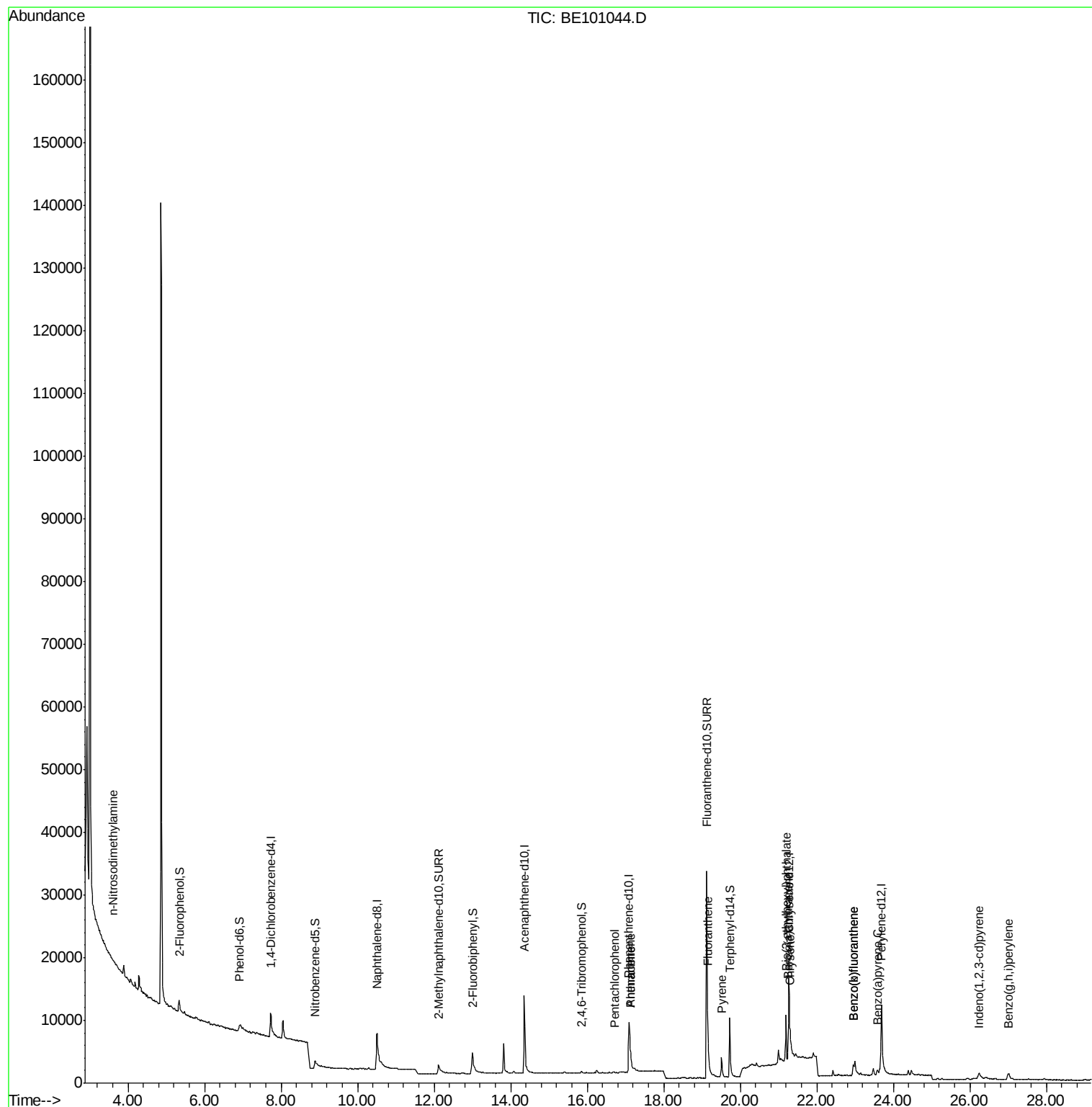
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.61	42	184	0.042	ng	# 1
22) Pentachlorophenol	16.73	266	15	0.254	ng	# 87
23) Phenanthrene	17.13	178	1873	0.032	ng	96
24) Anthracene	17.13	178	1873	0.034	ng	95
26) Fluoranthene	19.15	202	3644	0.050	ng	97
28) Pyrene	19.51	202	3989	0.054	ng	99
30) Benzo(a)anthracene	21.26	228	2324	0.041	ng	# 81
31) Chrysene	21.30	228	2884	0.035	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.20	149	10405	0.111	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	2499	0.038	ng	# 80
35) Benzo(b)fluoranthene	22.95	252	3094	0.050	ng	# 72
36) Benzo(k)fluoranthene	22.95	252	3094	0.035	ng	# 73
37) Benzo(a)pyrene	23.58	252	1675	0.028	ng	# 56
39) Benzo(g,h,i)perylene	27.01	276	2692	0.040	ng	# 83

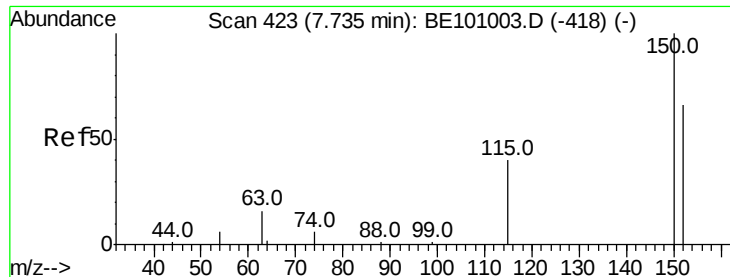
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 422

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

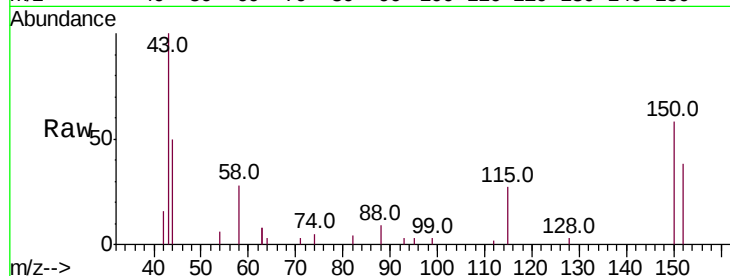
Tot Ion:152 Resp: 3130

Ion Ratio Lower Upper

152 100

150 153.2 120.3 180.5

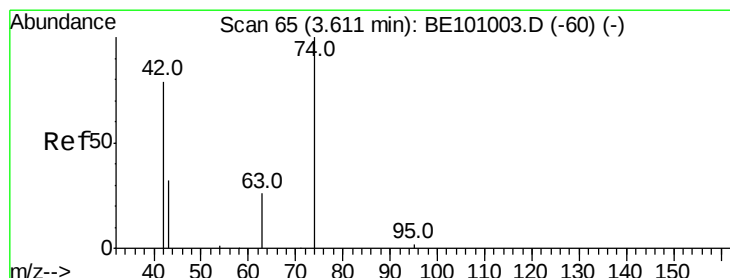
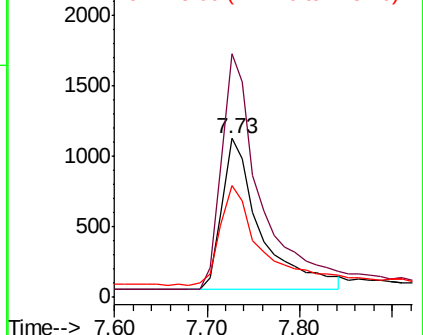
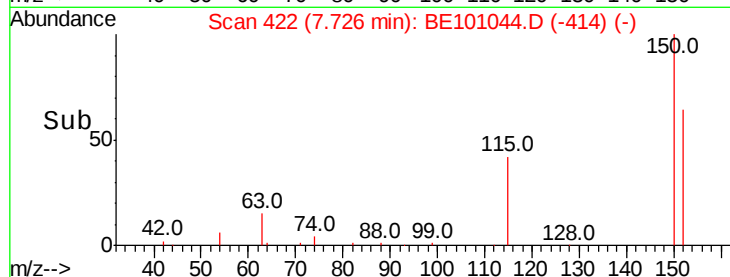
115 70.7 51.7 77.5



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: 0.042 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

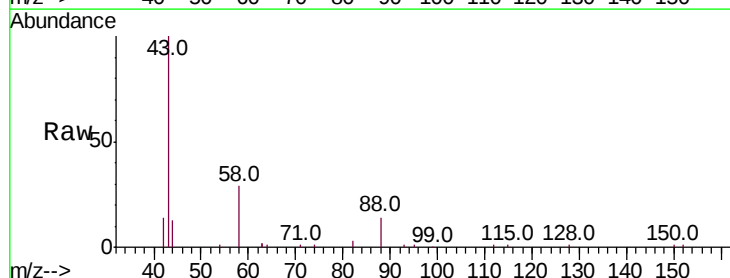
Tgt Ion: 42 Resp: 184

Ion Ratio Lower Upper

42 100

74 11.4 105.7 158.5#

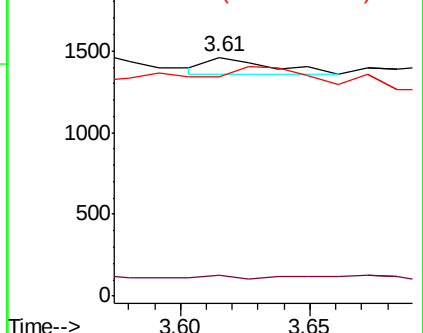
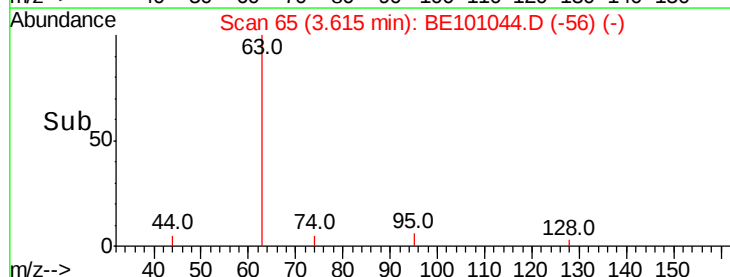
44 170.7 10.0 15.0#

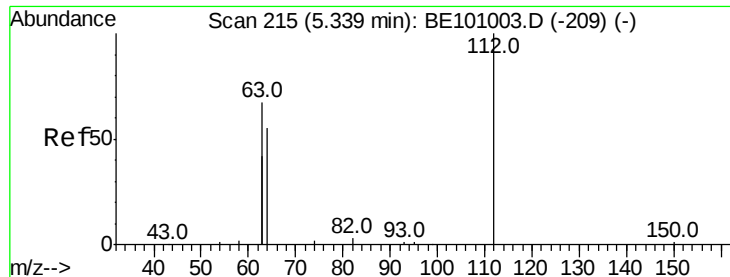


Abundance Ion 42.00 (41.70 to 42.70): BE1

Ion 74.00 (73.70 to 74.70): BE1

Ion 44.00 (43.70 to 44.70): BE1





#4

2-Fluorophenol

Concen: 0.207 ng

RT: 5.34 min Scan# 215

Delta R.T. 0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

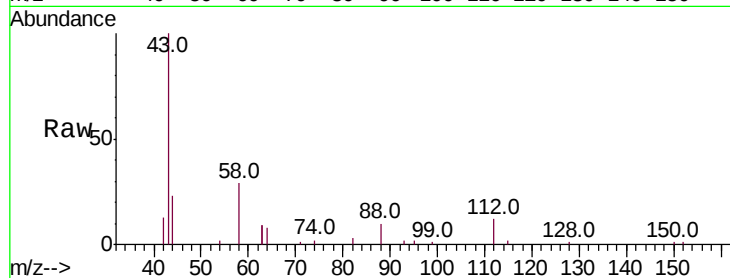
Tot Ion:112 Resp: 1458

Ion Ratio Lower Upper

112 100

64 72.8 53.6 80.4

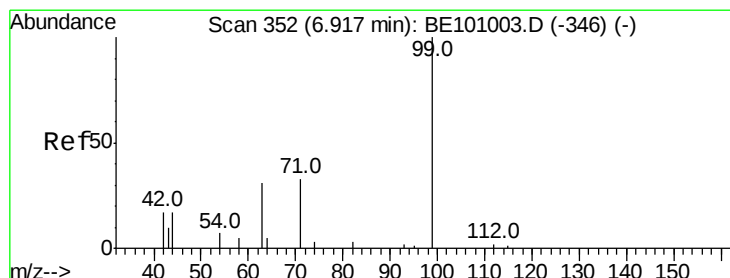
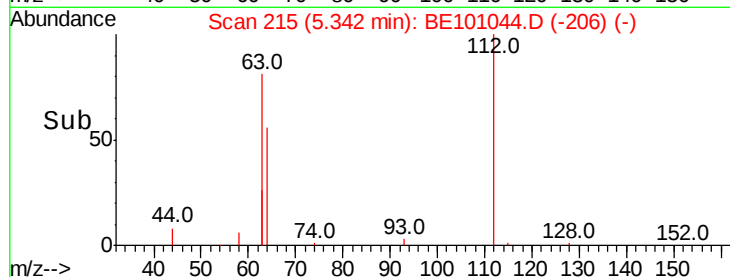
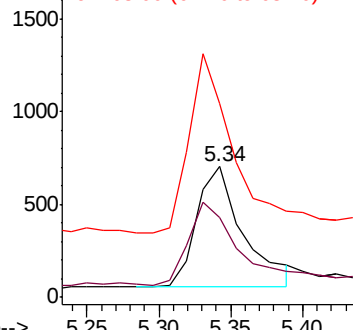
63 141.9 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1



#5

Phenol-d6

Concen: 0.202 ng

RT: 6.91 min Scan# 351

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

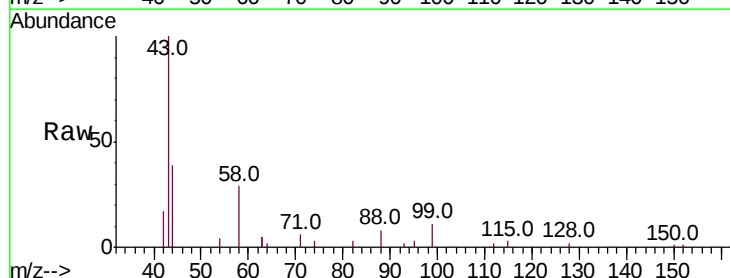
Tgt Ion: 99 Resp: 1799

Ion Ratio Lower Upper

99 100

42 14.1 18.3 27.5#

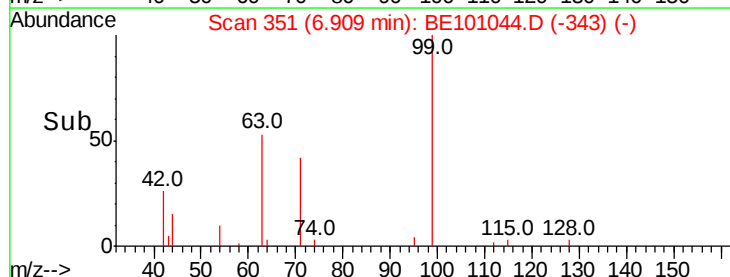
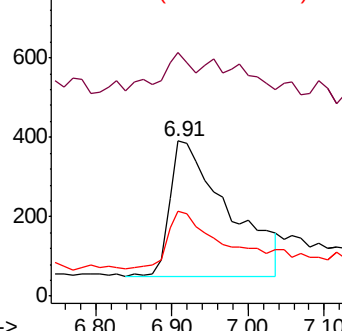
71 38.9 28.0 42.0

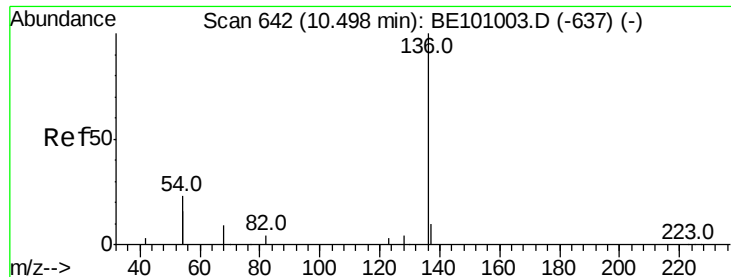


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

Tot Ion:136 Resp: 13770

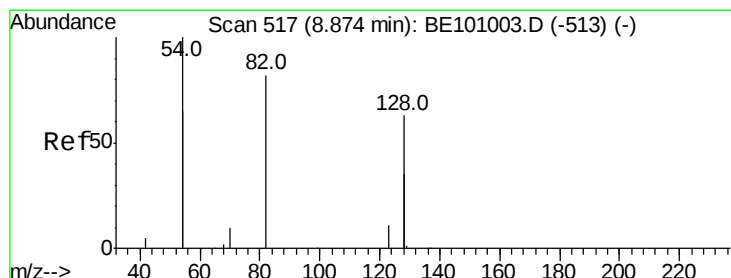
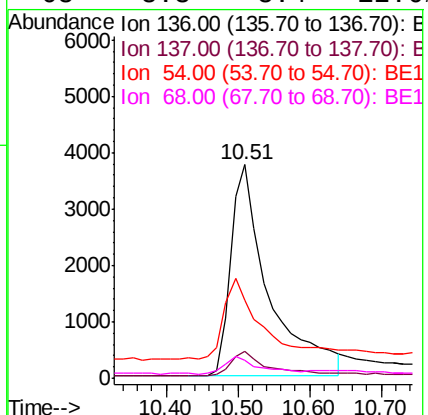
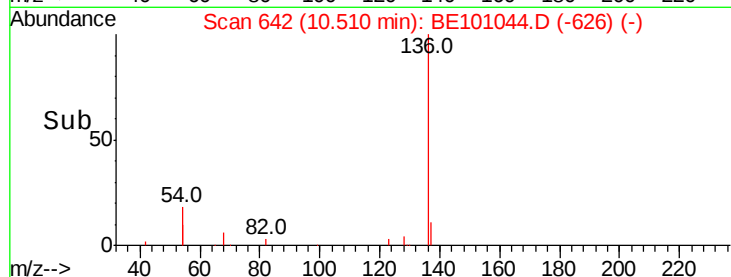
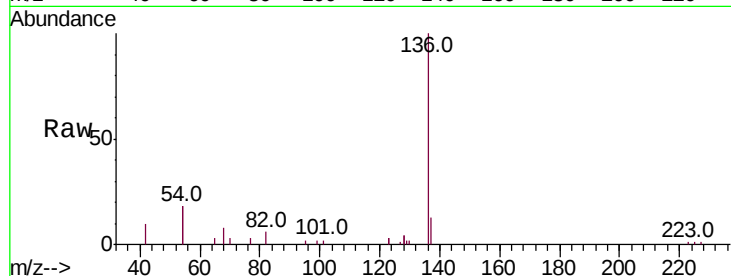
Ion Ratio Lower Upper

136 100

137 12.6 9.3 13.9

54 36.4 36.8 55.2#

68 8.3 8.4 12.6#



#8

Nitrobenzene-d5

Concen: 0.150 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

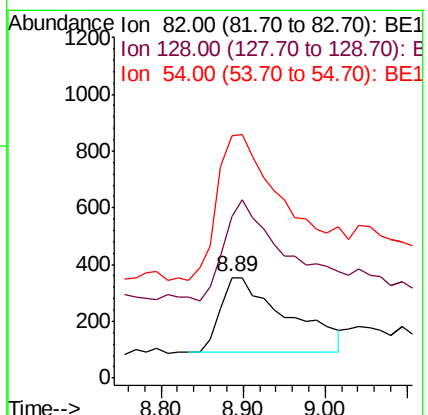
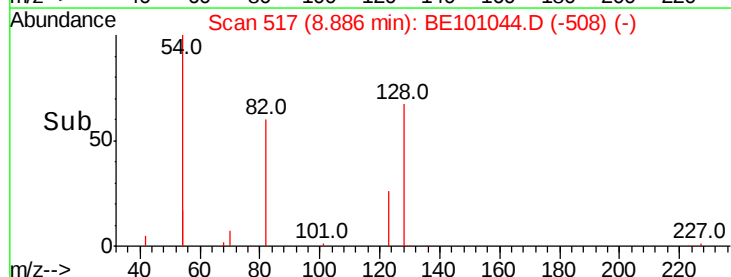
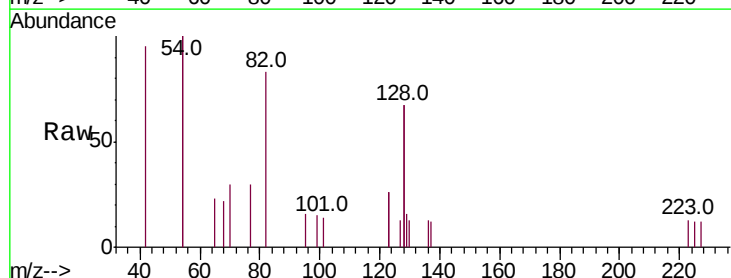
Tgt Ion: 82 Resp: 1479

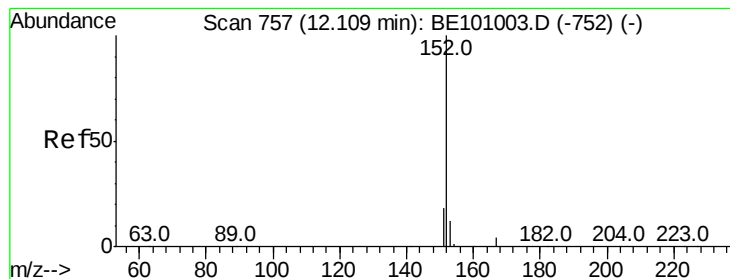
Ion Ratio Lower Upper

82 100

128 160.5 109.8 164.6

54 240.7 174.5 261.7





#11

2-Methylnaphthalene-d10

Concen: 0.193 ng

RT: 12.11 min Scan# 756

Delta R.T. -0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

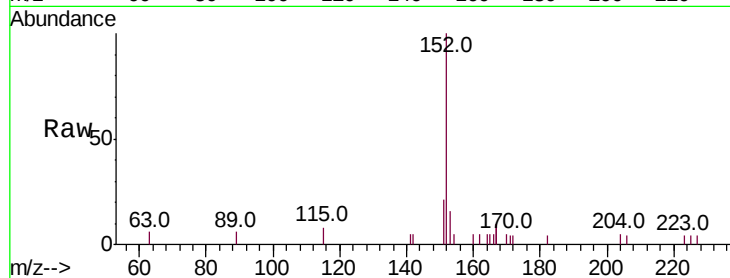
SB-1(4-6)

Tot Ion:152 Resp: 5080

Ion Ratio Lower Upper

152 100

151 20.1 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

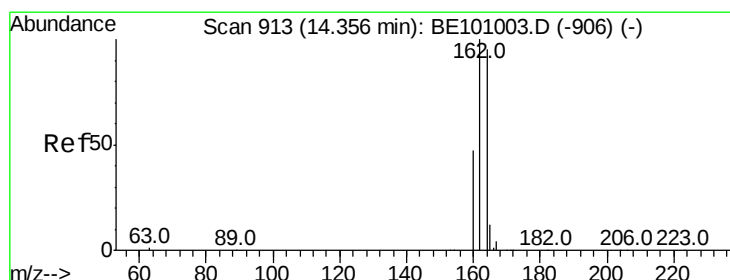
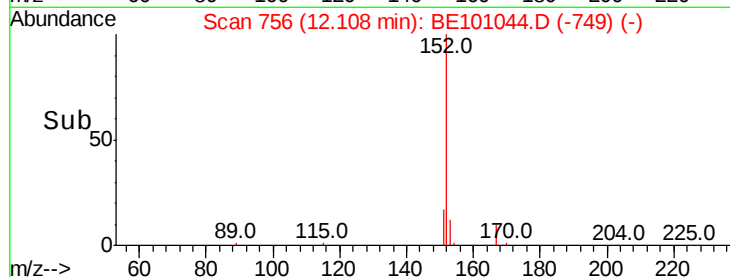
12.11

1000

500

0

Time--> 12.00 12.20



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.36 min Scan# 912

Delta R.T. -0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

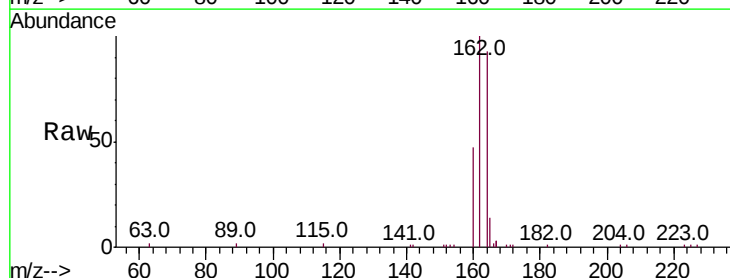
Tgt Ion:164 Resp: 9310

Ion Ratio Lower Upper

164 100

162 107.3 84.1 126.1

160 50.2 40.4 60.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.36

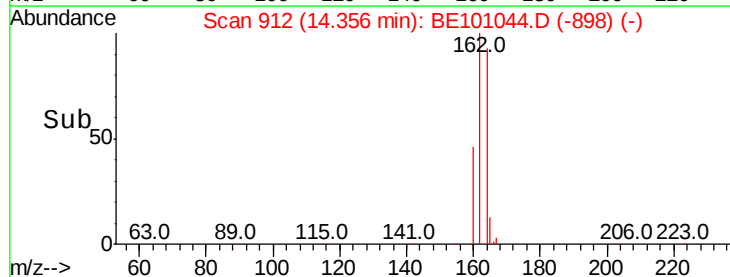
6000

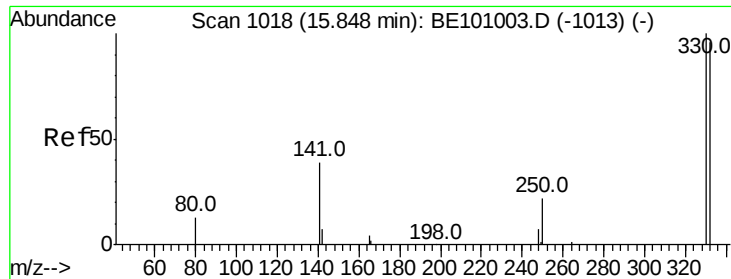
4000

2000

0

Time--> 14.20 14.40

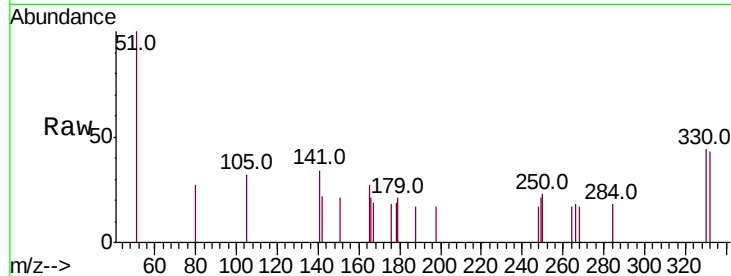




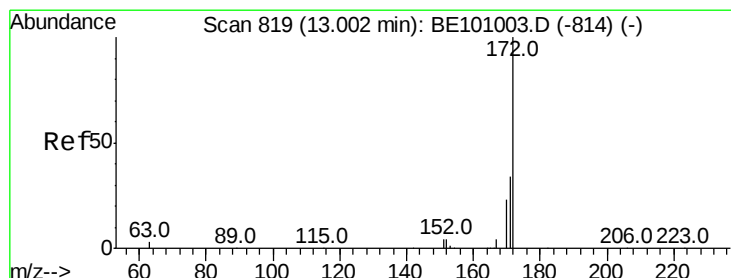
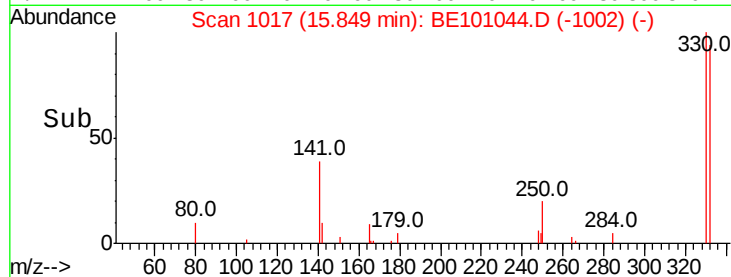
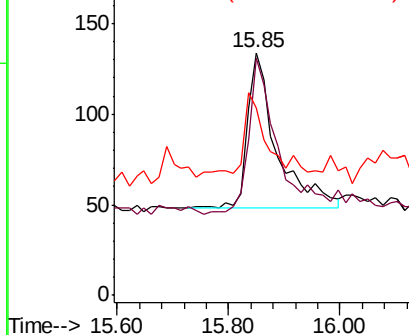
#14
 2,4,6-Tribromophenol
 Concen: 0.120 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101044.D
 Acq: 13 Jan 2020 18:48

Instrument :
 BNA_E
 ClientSampleId :
 SB-1(4-6)

Tot Ion:330 Resp: 315
 Ion Ratio Lower Upper
 330 100
 332 96.5 78.4 117.6
 141 38.1 37.0 55.4

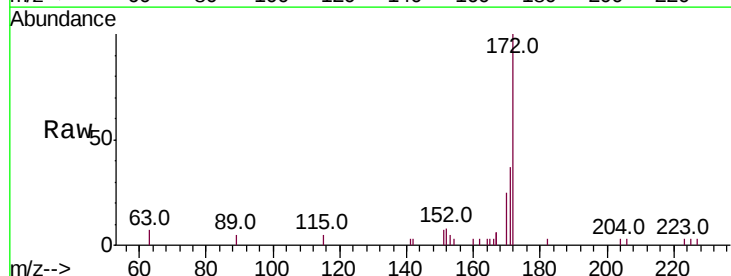


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

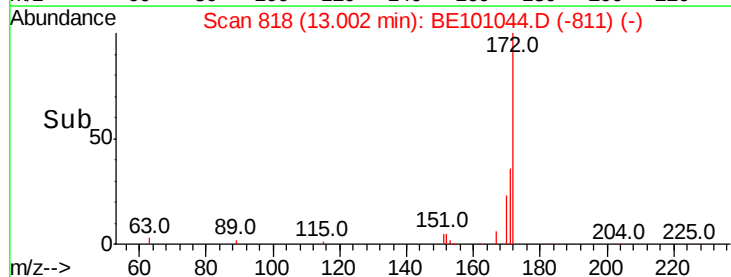
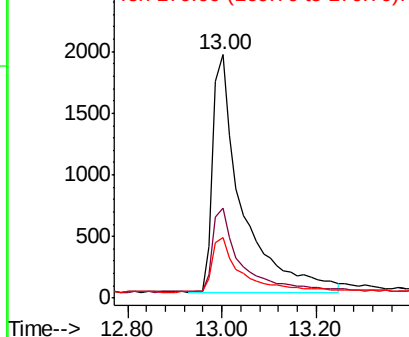


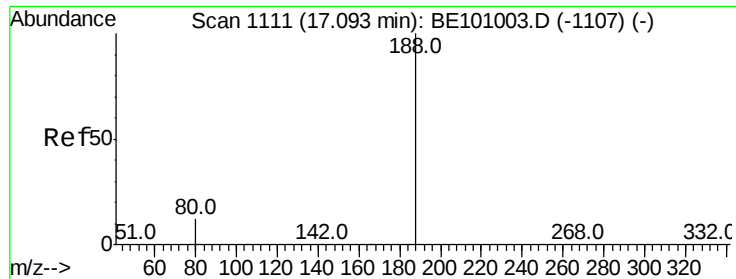
#15
 2-Fluorobiphenyl
 Concen: 0.234 ng
 RT: 13.00 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BE101044.D
 Acq: 13 Jan 2020 18:48

Tgt Ion:172 Resp: 8278
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.2 42.2
 170 24.9 18.9 28.3



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

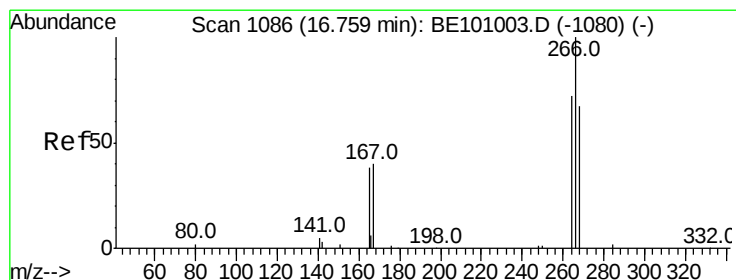
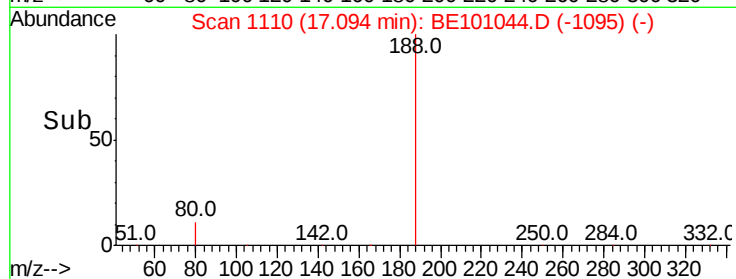
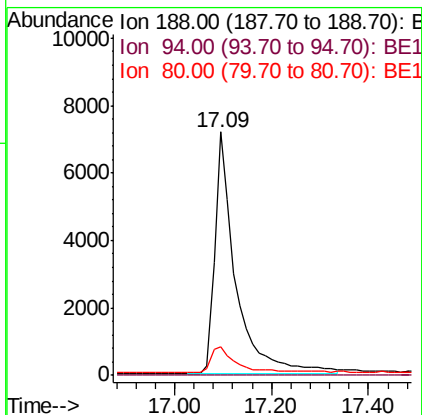
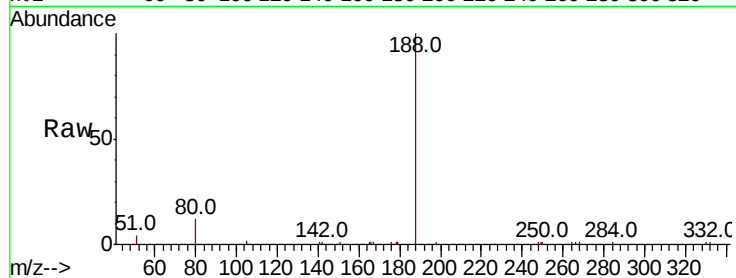




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101044.D
Acq: 13 Jan 2020 18:48

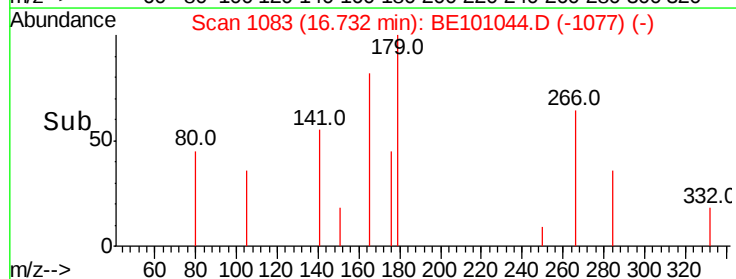
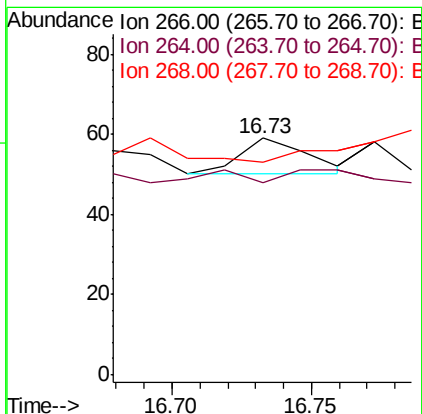
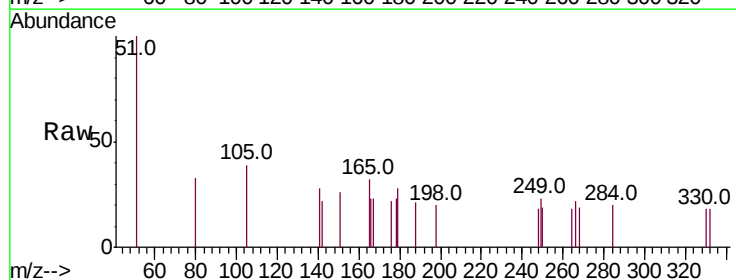
Instrument :
BNA_E
ClientSampleId :
SB-1(4-6)

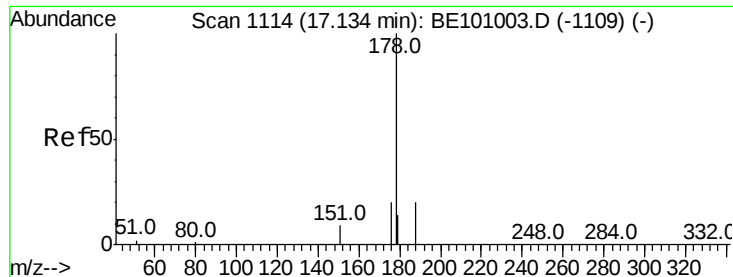
Tot Ion:188 Resp: 21403
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.9 10.8 16.2



#22
Pentachlorophenol
Concen: 0.254 ng
RT: 16.73 min Scan# 1083
Delta R.T. -0.03 min
Lab File: BE101044.D
Acq: 13 Jan 2020 18:48

Tgt Ion:266 Resp: 15
Ion Ratio Lower Upper
266 100
264 81.4 61.0 91.4
268 89.8 58.5 87.7#





#23

Phenanthrene

Concen: 0.032 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

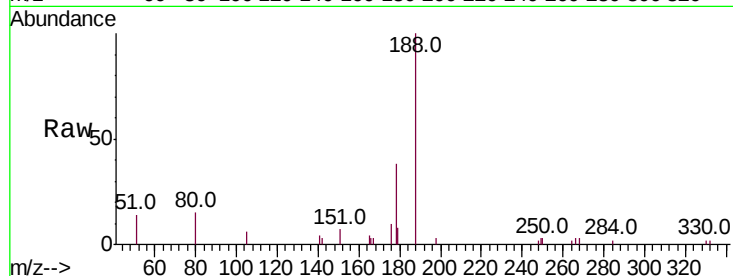
Tot Ion:178 Resp: 1873

Ion Ratio Lower Upper

178 100

176 20.4 15.7 23.5

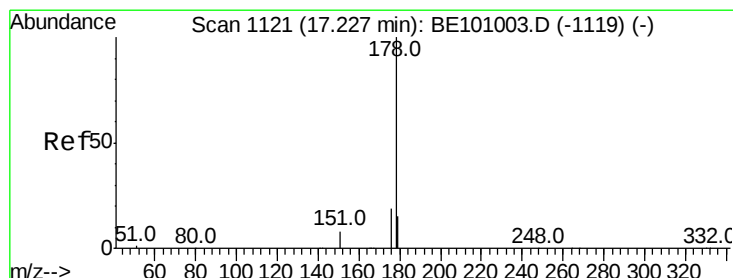
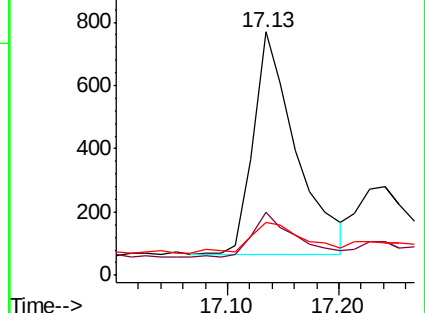
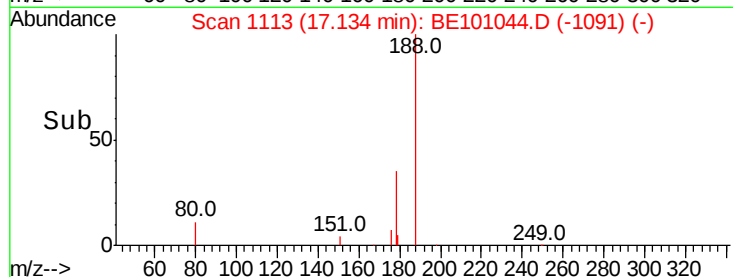
179 17.5 12.0 18.0



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



#24

Anthracene

Concen: 0.034 ng

RT: 17.13 min Scan# 1113

Delta R.T. -0.09 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

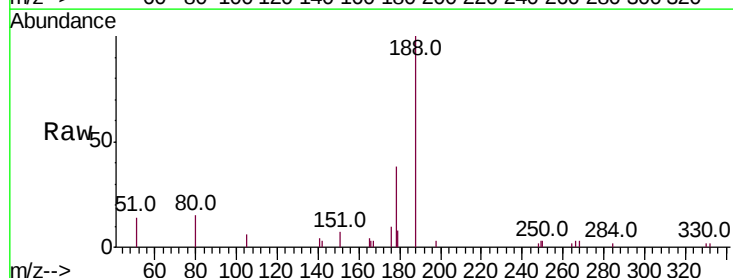
Tgt Ion:178 Resp: 1873

Ion Ratio Lower Upper

178 100

176 20.4 14.8 22.2

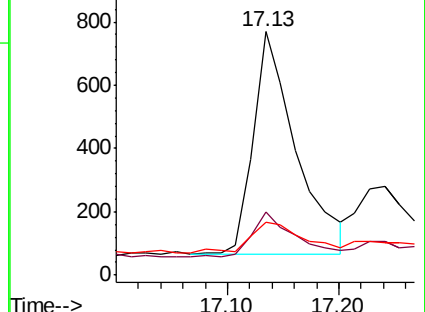
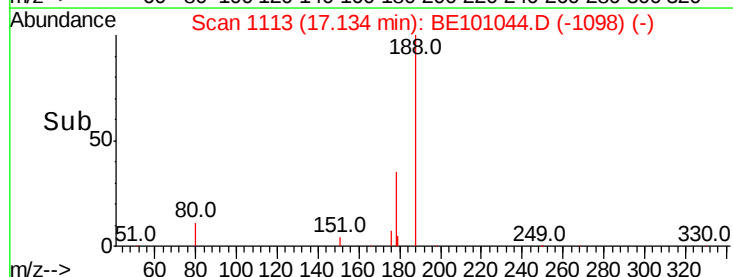
179 17.5 12.4 18.6

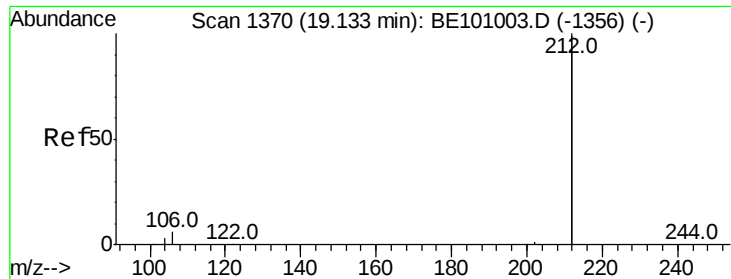


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

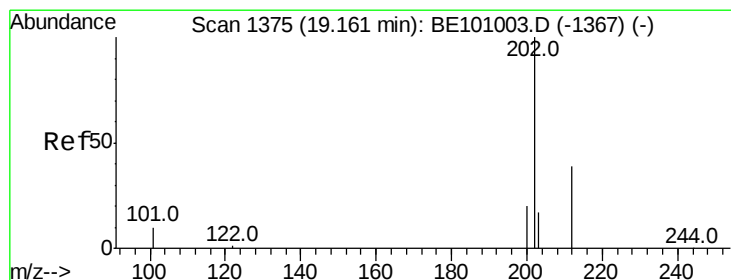
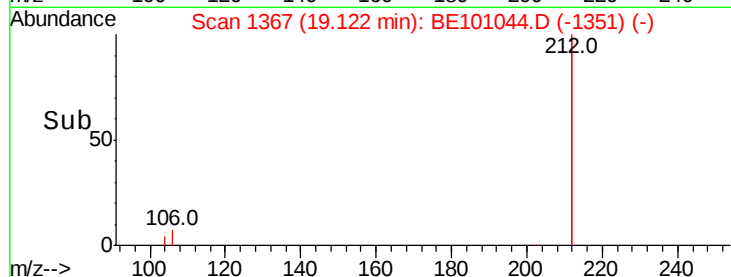
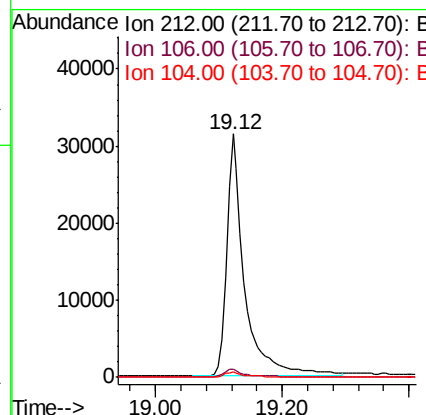
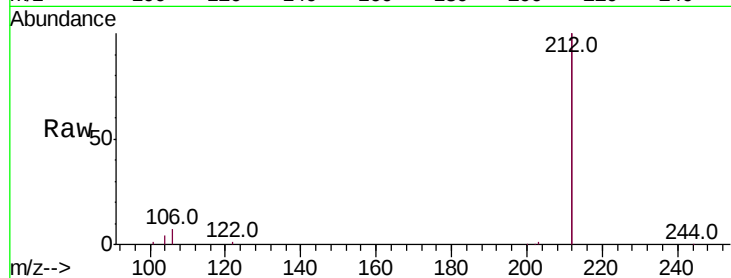




#25
 Fluoranthene-d10
 Concen: 0.206 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101044.D
 Acq: 13 Jan 2020 18:48

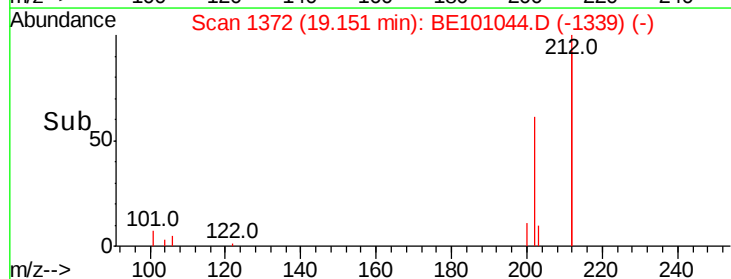
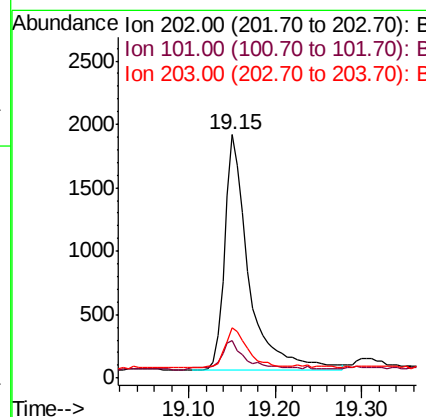
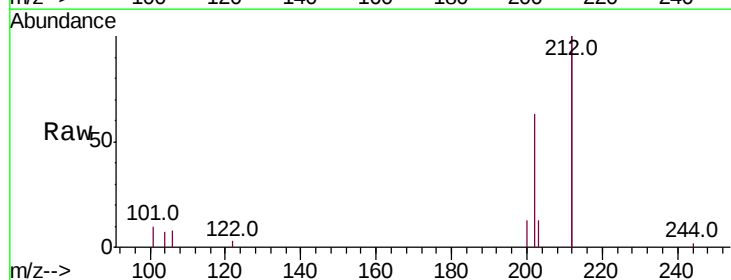
Instrument :
 BNA_E
 ClientSampleId :
 SB-1(4-6)

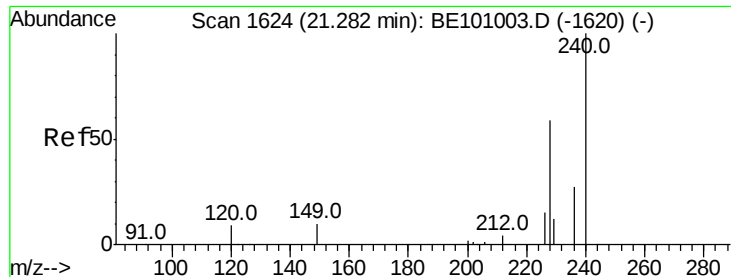
Tot Ion:212 Resp: 61283
 Ion Ratio Lower Upper
 212 100
 106 3.4 2.6 3.8
 104 1.9 1.4 2.0



#26
 Fluoranthene
 Concen: 0.050 ng
 RT: 19.15 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BE101044.D
 Acq: 13 Jan 2020 18:48

Tgt Ion:202 Resp: 3644
 Ion Ratio Lower Upper
 202 100
 101 13.3 9.6 14.4
 203 15.8 13.8 20.6





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampled :

SB-1(4-6)

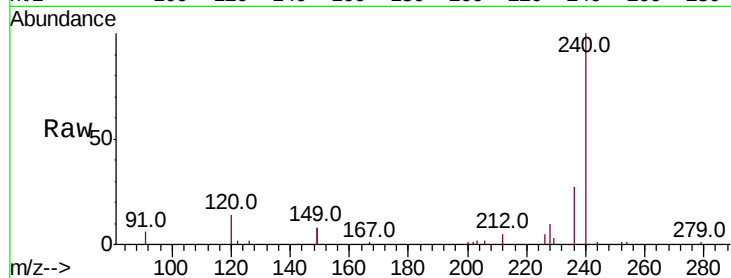
Tot Ion:240 Resp: 19695

Ion Ratio Lower Upper

240 100

120 13.9 8.6 13.0#

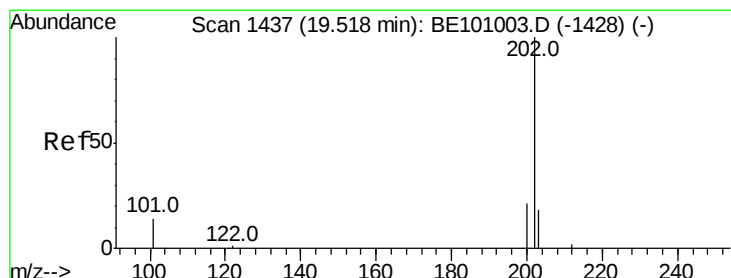
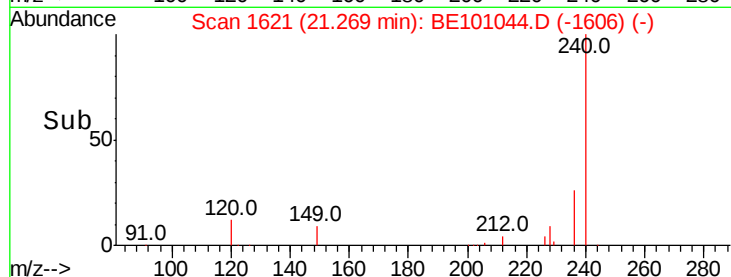
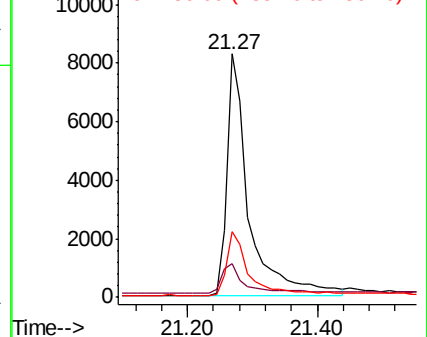
236 27.0 22.2 33.4



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: 0.054 ng

RT: 19.51 min Scan# 1435

Delta R.T. -0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

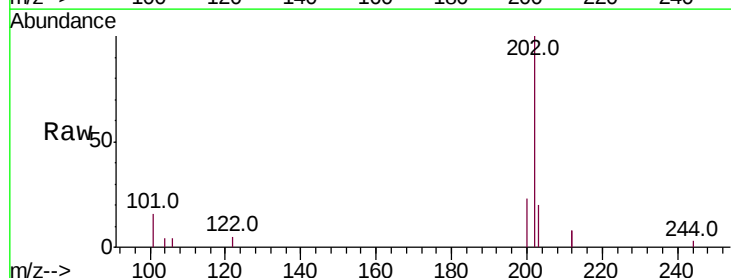
Tgt Ion:202 Resp: 3989

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

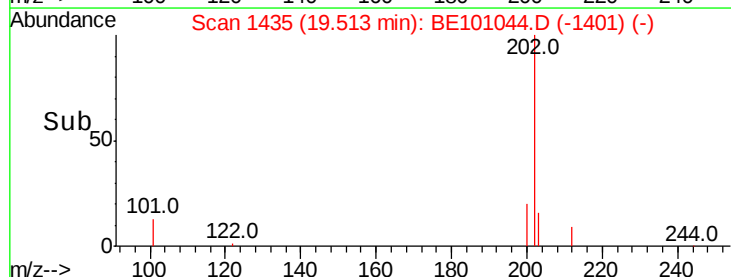
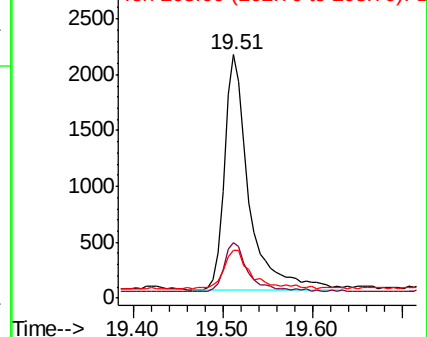
203 17.5 13.8 20.6

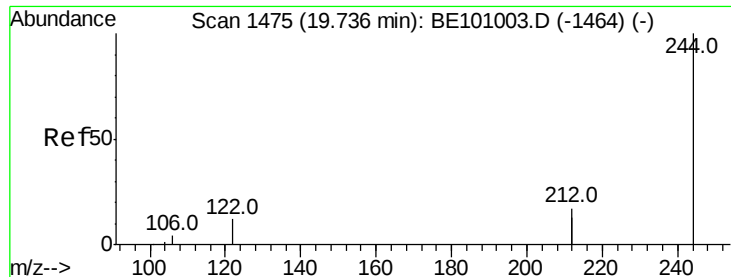


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.242 ng

RT: 19.73 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

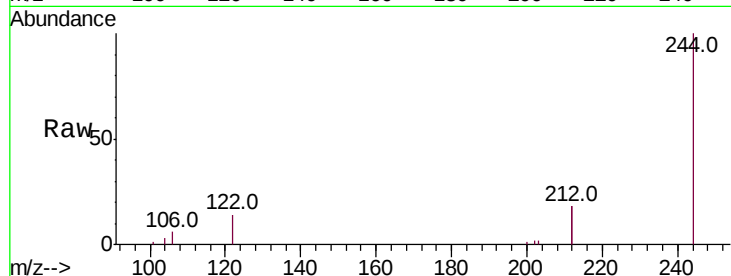
Tot Ion:244 Resp: 11717

Ion Ratio Lower Upper

244 100

212 35.3 27.2 40.8

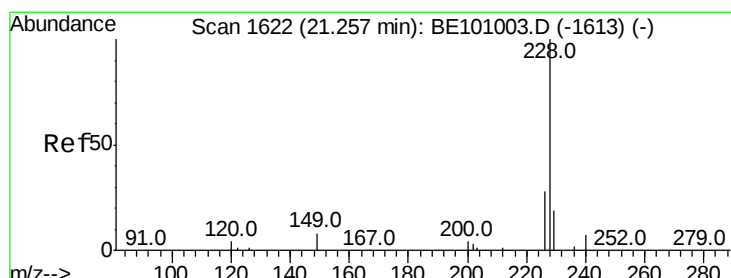
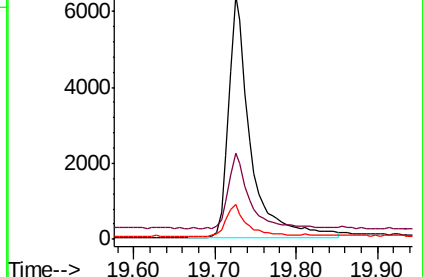
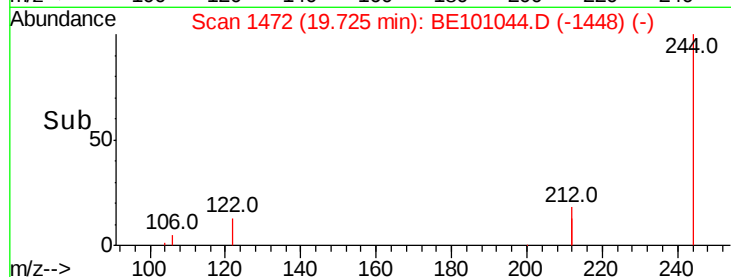
122 14.3 9.8 14.8



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: 0.041 ng

RT: 21.26 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

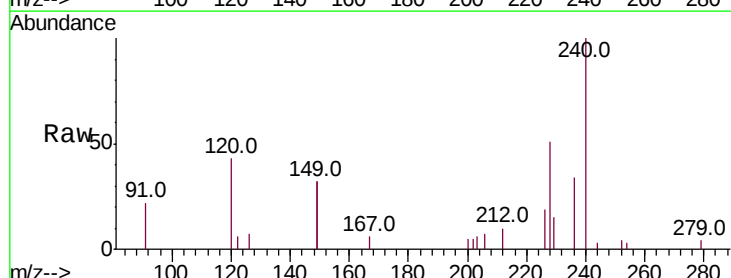
Tgt Ion:228 Resp: 2324

Ion Ratio Lower Upper

228 100

226 37.2 22.7 34.1#

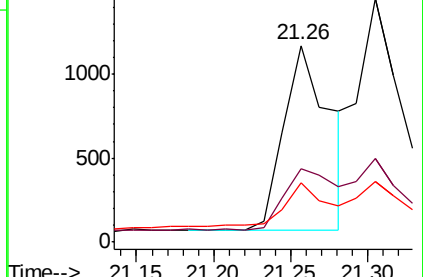
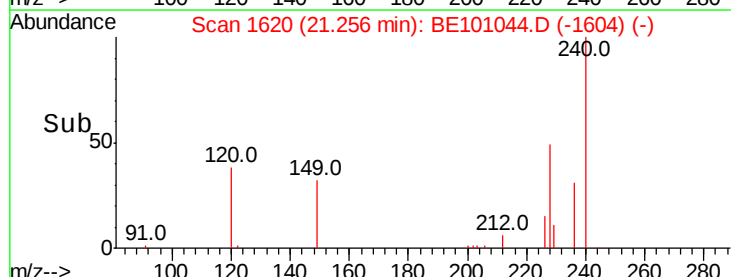
229 29.9 15.5 23.3#

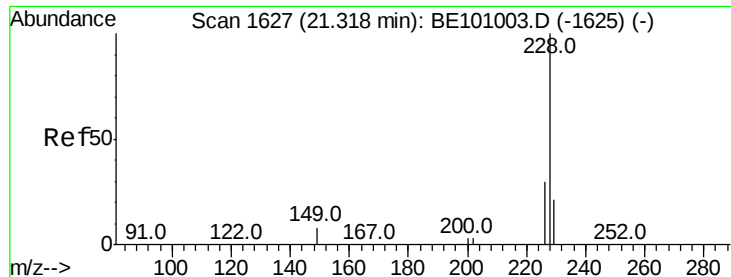


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.035 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

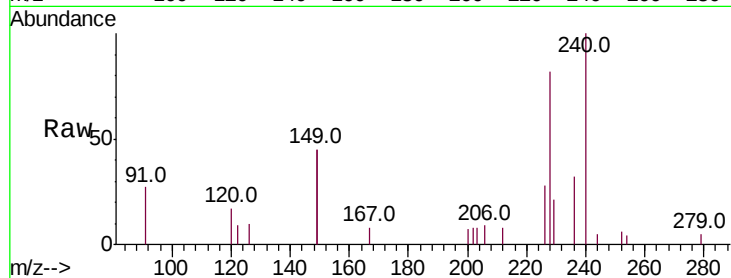
Tot Ion:228 Resp: 2884

Ion Ratio Lower Upper

228 100

226 34.1 23.5 35.3

229 25.1 16.7 25.1#

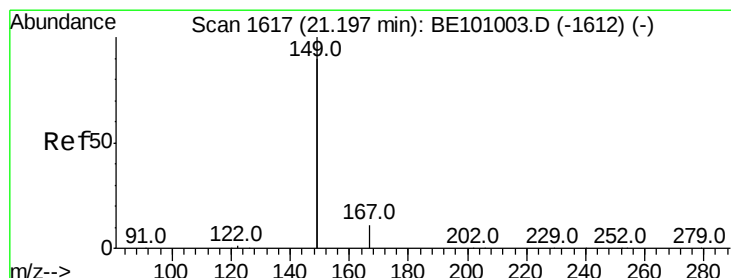
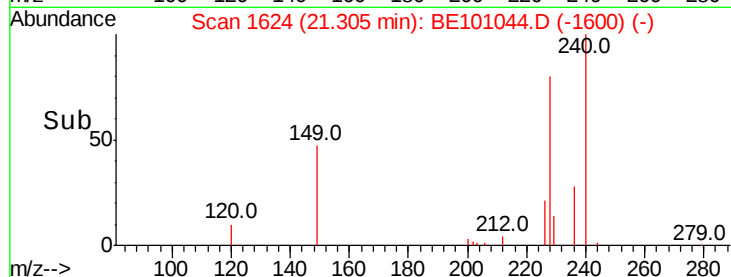
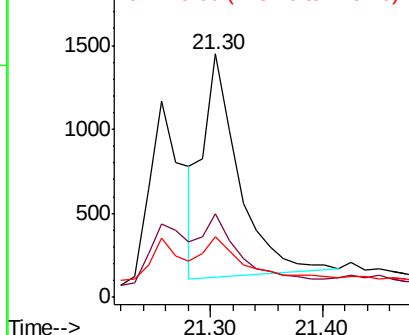


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.111 ng

RT: 21.20 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

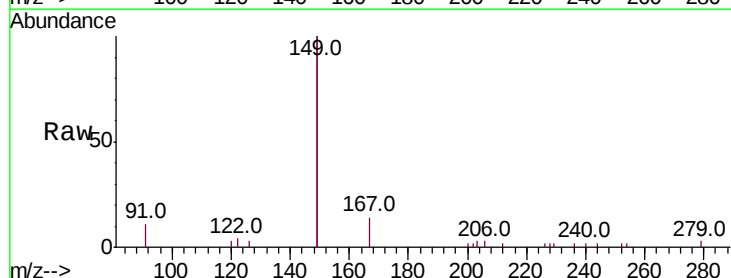
Tgt Ion:149 Resp: 10405

Ion Ratio Lower Upper

149 100

167 5.9 5.2 7.8

279 0.7 0.8 1.2#

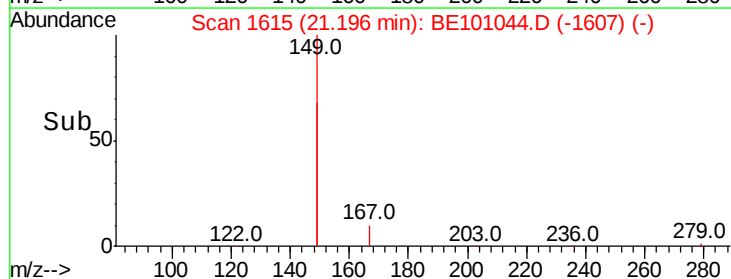
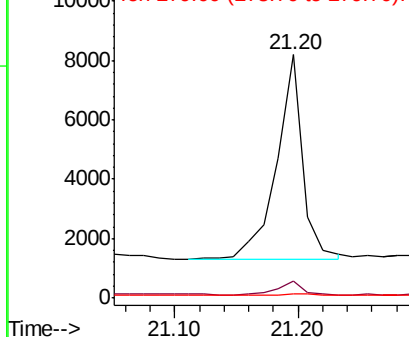


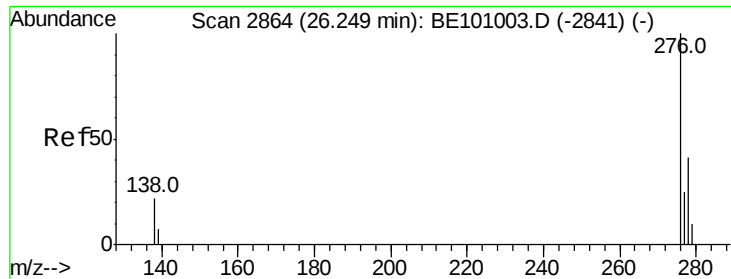
Abundance

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: 0.038 ng

RT: 26.23 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

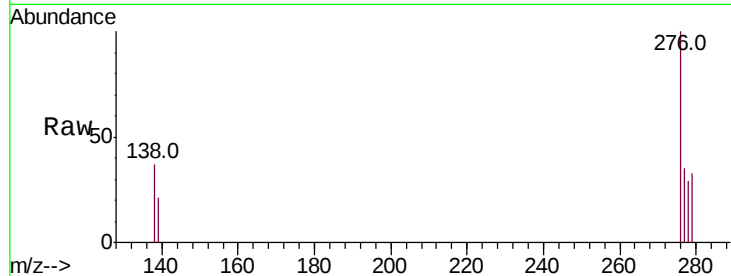
Tot Ion:276 Resp: 2499

Ion Ratio Lower Upper

276 100

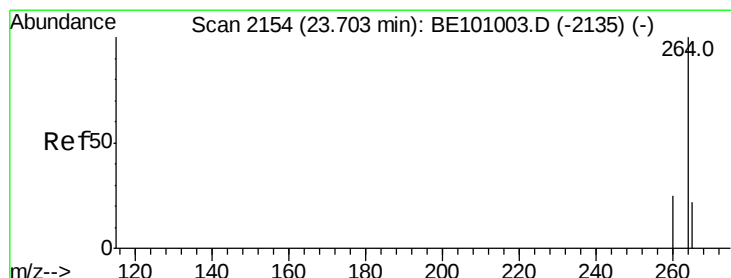
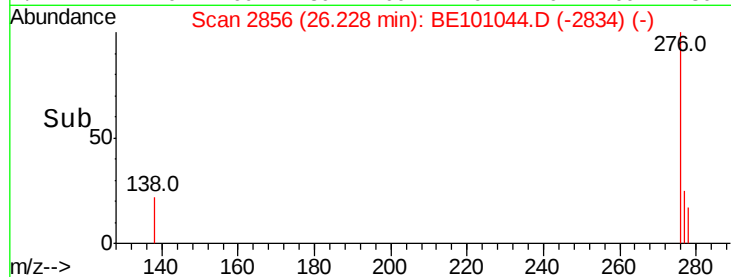
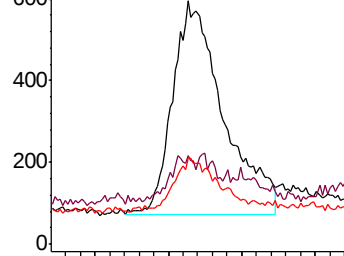
138 7.3 16.1 24.1#

277 16.4 18.1 27.1#



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

26.23



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.69 min Scan# 2149

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

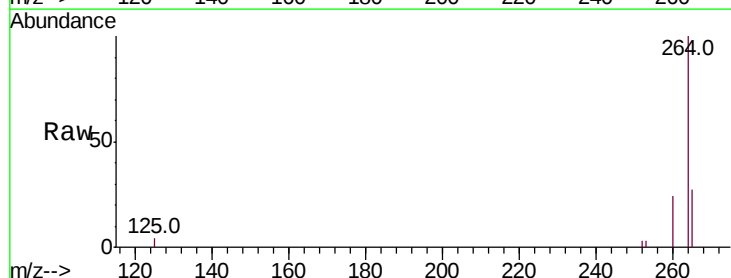
Tgt Ion:264 Resp: 21903

Ion Ratio Lower Upper

264 100

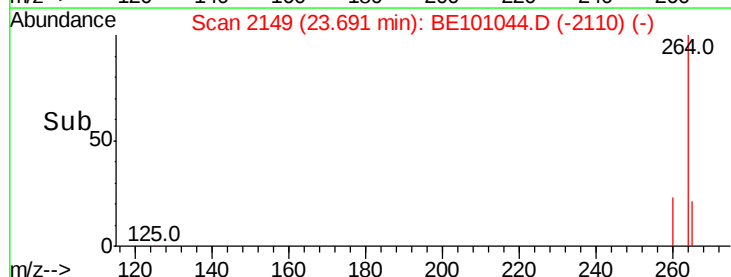
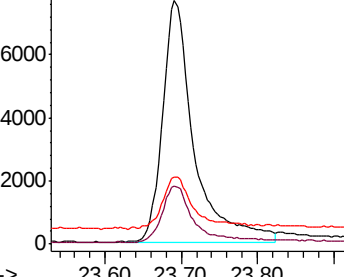
260 23.7 20.3 30.5

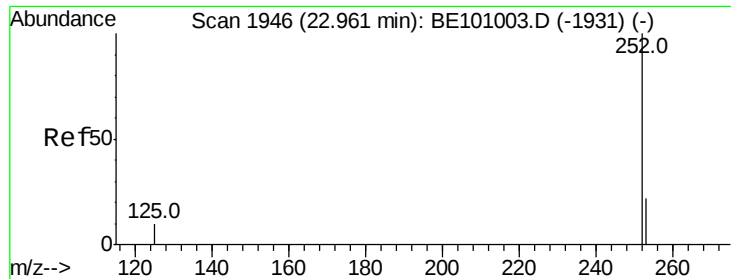
265 27.4 27.0 40.4



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

23.69





#35

Benzo(b)fluoranthene

Concen: 0.050 ng

RT: 22.95 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

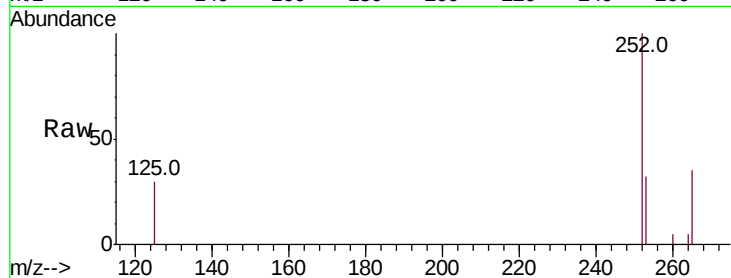
Tot Ion:252 Resp: 3094

Ion Ratio Lower Upper

252 100

253 32.4 18.5 27.7#

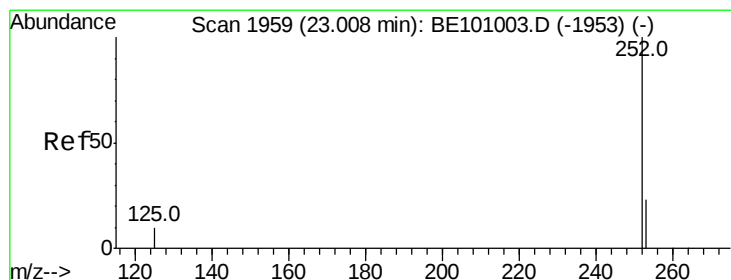
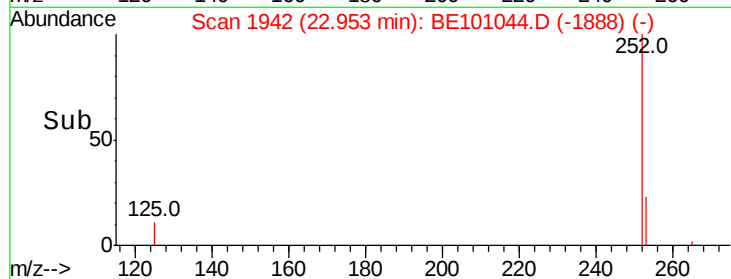
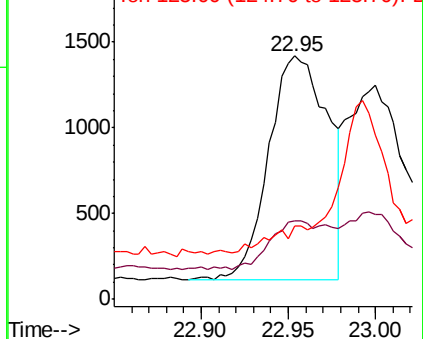
125 29.9 9.5 14.3#



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: 0.035 ng

RT: 22.95 min Scan# 1942

Delta R.T. -0.05 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

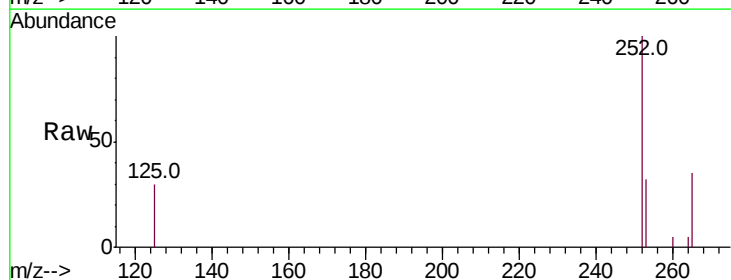
Tgt Ion:252 Resp: 3094

Ion Ratio Lower Upper

252 100

253 32.4 18.9 28.3#

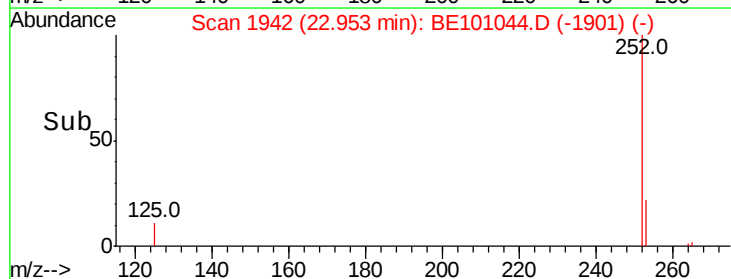
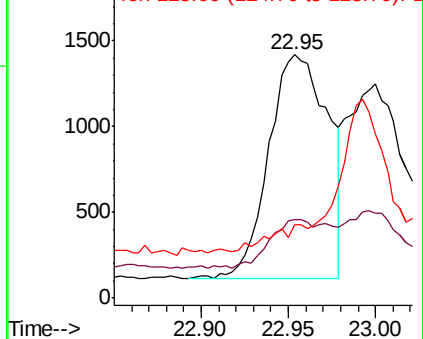
125 29.9 10.1 15.1#

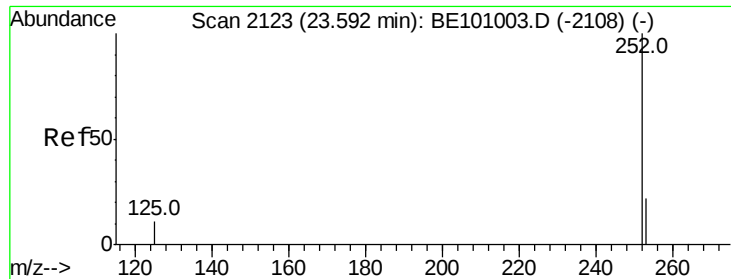


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.028 ng

RT: 23.58 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

Instrument :

BNA_E

ClientSampleId :

SB-1(4-6)

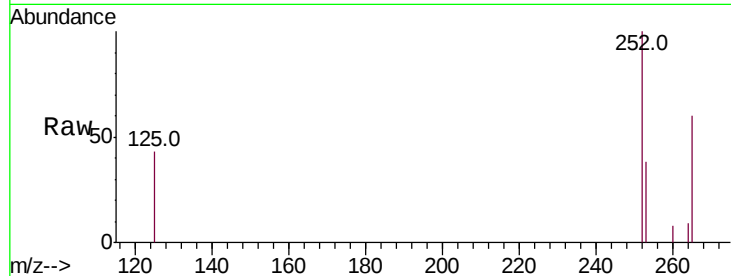
Tot Ion:252 Resp: 1675

Ion Ratio Lower Upper

252 100

253 38.2 19.4 29.2#

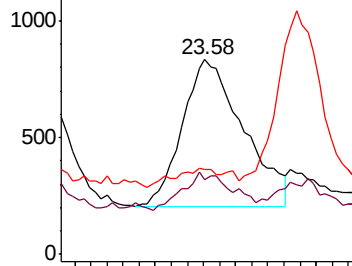
125 43.3 11.8 17.6#



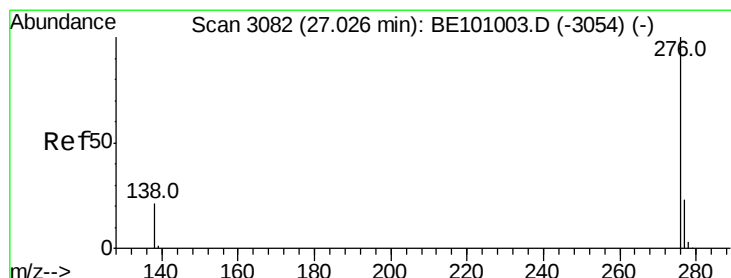
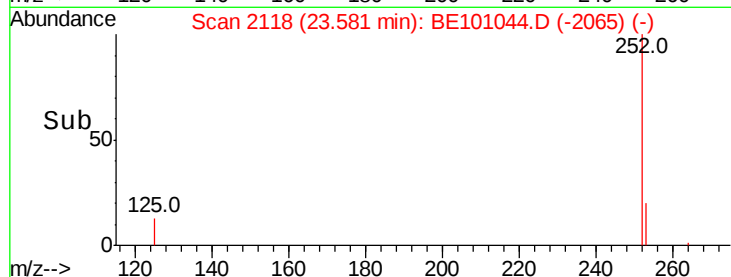
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#39

Benzo(g,h,i)perylene

Concen: 0.040 ng

RT: 27.01 min Scan# 3074

Delta R.T. -0.02 min

Lab File: BE101044.D

Acq: 13 Jan 2020 18:48

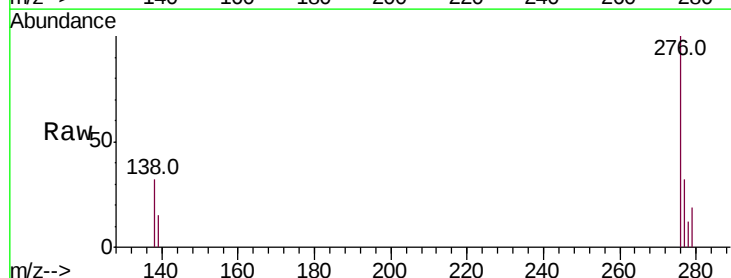
Tgt Ion:276 Resp: 2692

Ion Ratio Lower Upper

276 100

277 32.0 19.4 29.2#

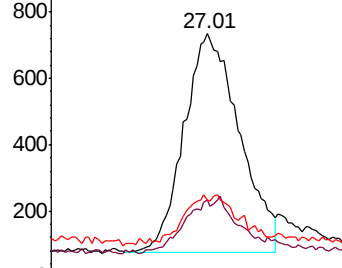
138 31.7 17.9 26.9#



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



Time-->

