

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE092519\
 Data File : BE100553.D
 Acq On : 25 Sep 2019 12:03
 Operator : JU
 Sample : K4995-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 26 00:56:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	7450	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	31666	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	16663	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	37436	0.40	ng	0.00
27) Chrysene-d12	21.37	240	49555	0.40	ng	0.00
34) Perylene-d12	23.83	264	56808	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.43	112	4293	0.25	ng	0.00
5) Phenol-d6	7.01	99	5998	0.25	ng	-0.01
8) Nitrobenzene-d5	9.00	82	4331	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	11871	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	347	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	14801	0.25	ng	0.00
25) Fluoranthene-d10	19.23	212	122085	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	29971	0.26	ng	0.00

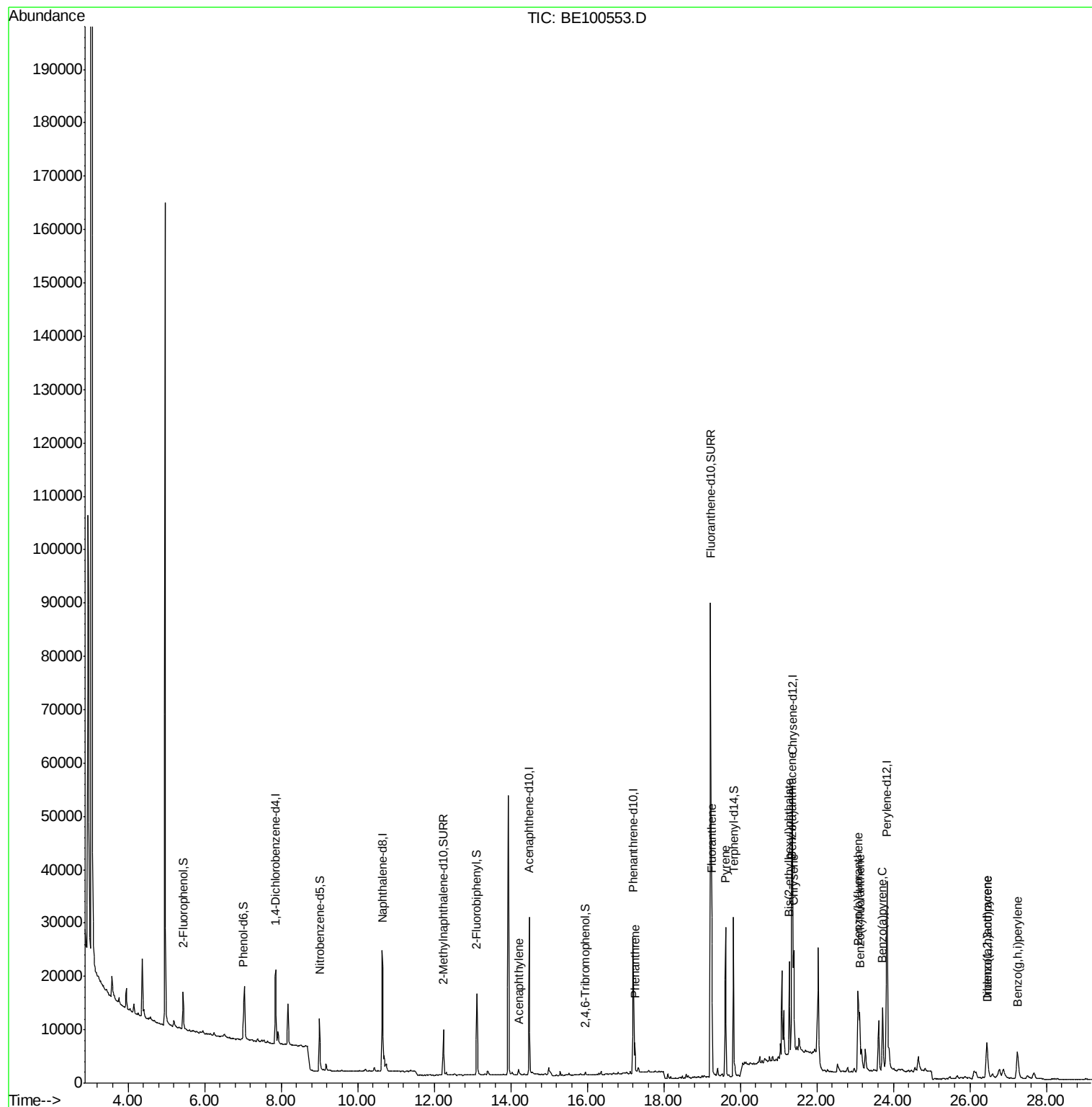
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.21	152	1675	0.024	ng	98
23) Phenanthrene	17.24	178	5579	0.053	ng	97
26) Fluoranthene	19.25	202	24926	0.198	ng	99
28) Pyrene	19.62	202	27728	0.194	ng	98
30) Benzo(a)anthracene	21.34	228	22807	0.172	ng	97
31) Chrysene	21.40	228	21505	0.143	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	20173	0.141	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	14150	0.084	ng	96
35) Benzo(b)fluoranthene	23.08	252	30927	0.201	ng	# 95
36) Benzo(k)fluoranthene	23.12	252	11494m	0.065	ng	
37) Benzo(a)pyrene	23.72	252	20498	0.143	ng	# 95
38) Dibenzo(a,h)anthracene	26.46	278	3946	0.026	ng	# 73
39) Benzo(a,h,i)perylene	27.24	276	13612	0.087	ng	95

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

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QLast Update : Fri Sep 20 18:26:17 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :

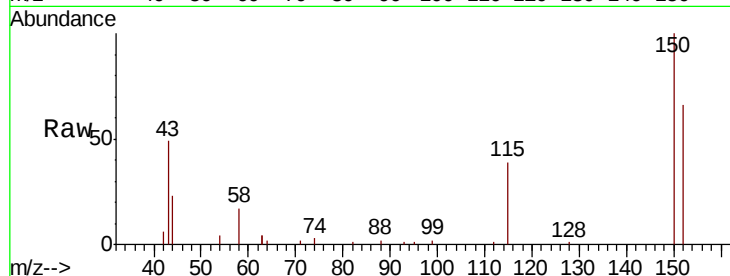
Tot Ion:152 Resp: 7450

Ion Ratio Lower Upper

152 100

150 151.8 121.6 182.4

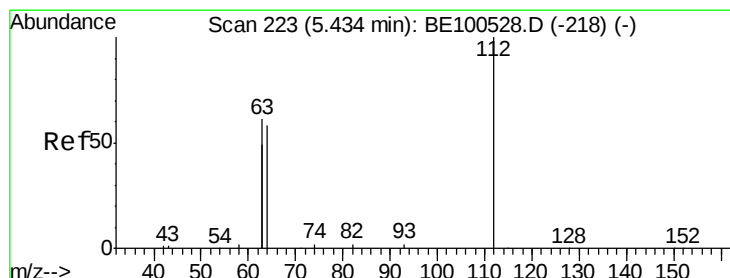
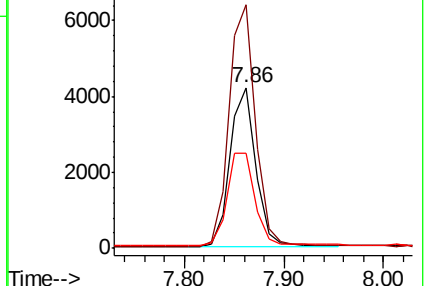
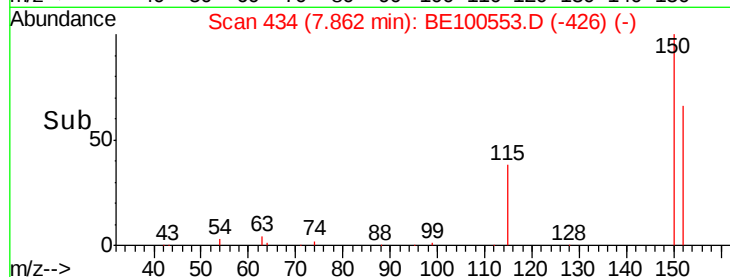
115 59.3 48.2 72.4



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: 0.246 ng

RT: 5.43 min Scan# 223

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

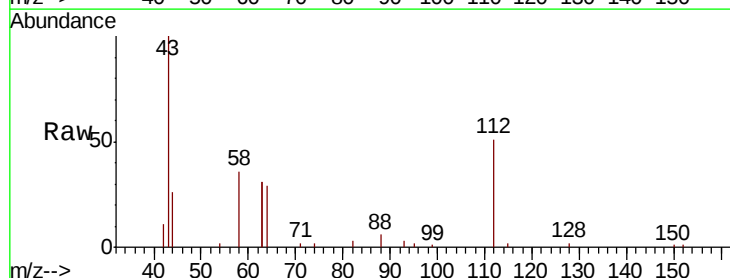
Tgt Ion:112 Resp: 4293

Ion Ratio Lower Upper

112 100

64 53.9 44.1 66.1

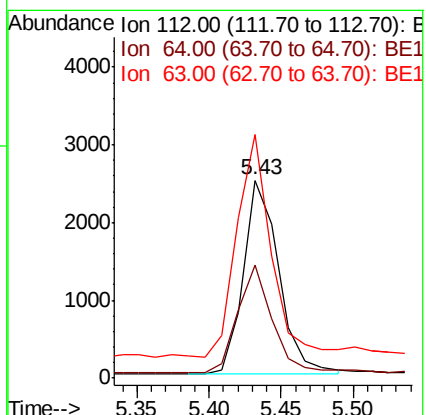
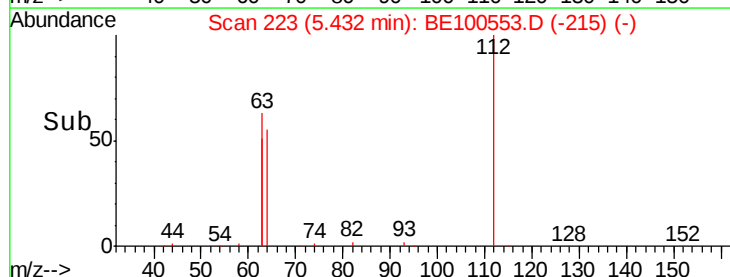
63 112.2 86.5 129.7

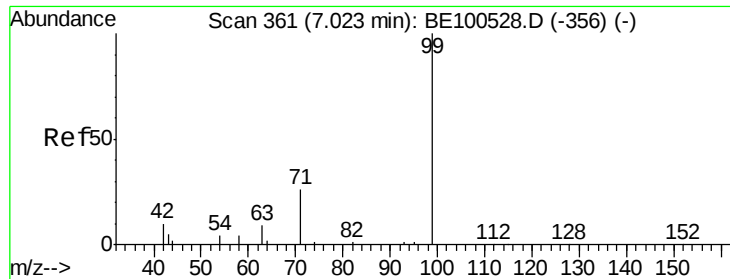


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.251 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :

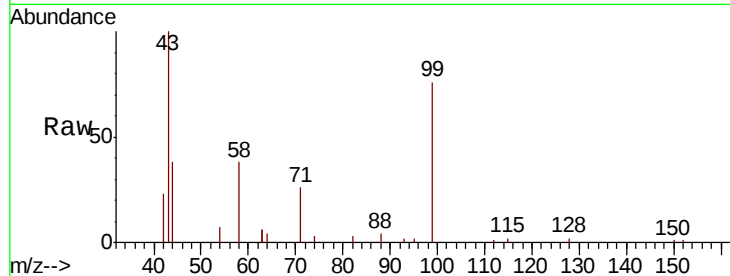
Tot Ion: 99 Resp: 5998

Ion Ratio Lower Upper

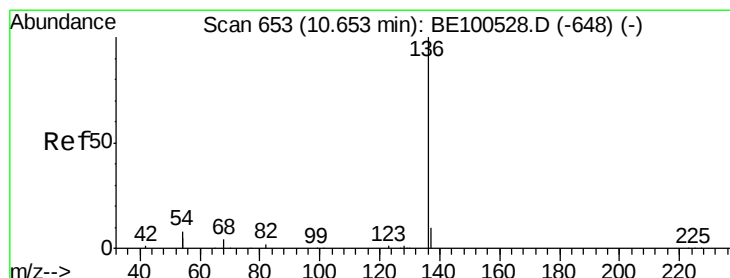
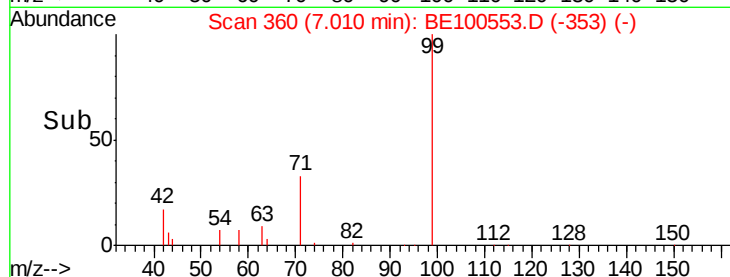
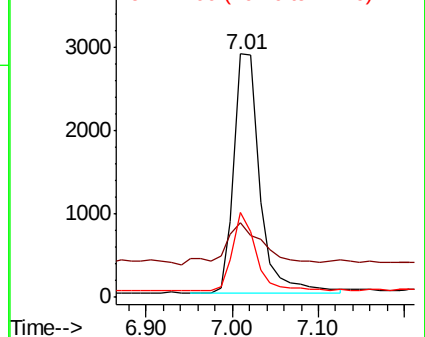
99 100

42 25.1 13.0 19.6#

71 29.8 23.4 35.0



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: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Tgt Ion: 136 Resp: 31666

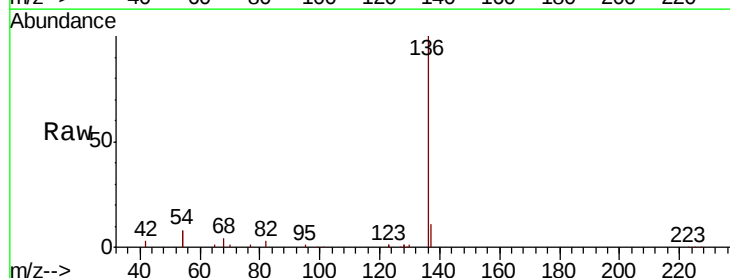
Ion Ratio Lower Upper

136 100

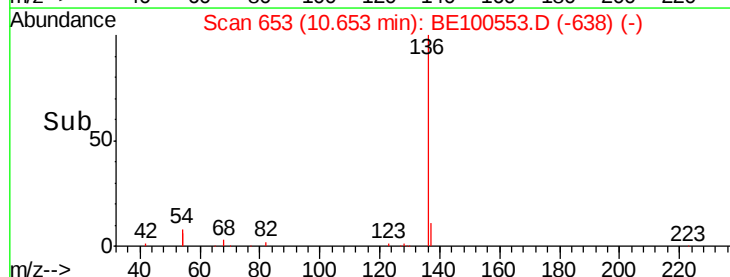
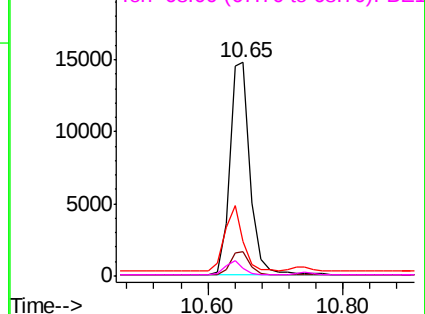
137 11.4 8.6 13.0

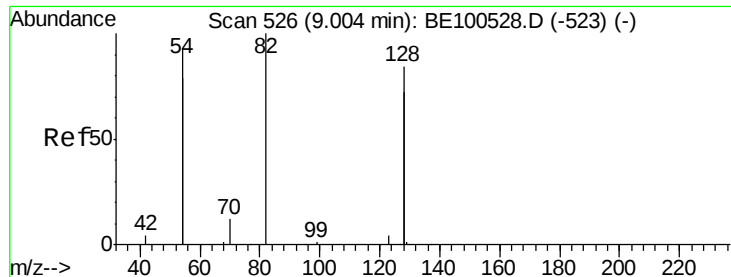
54 16.1 12.4 18.6

68 3.7 3.3 4.9



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): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.237 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :

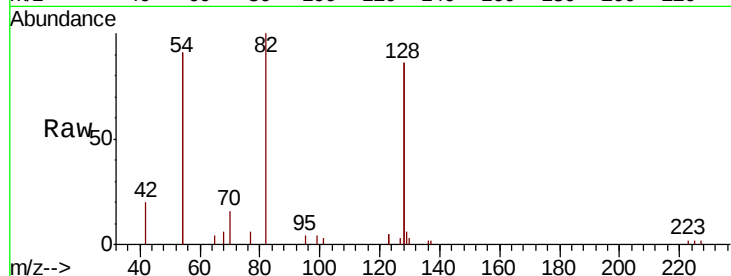
Tot Ion: 82 Resp: 4331

Ion Ratio Lower Upper

82 100

128 171.2 129.4 194.2

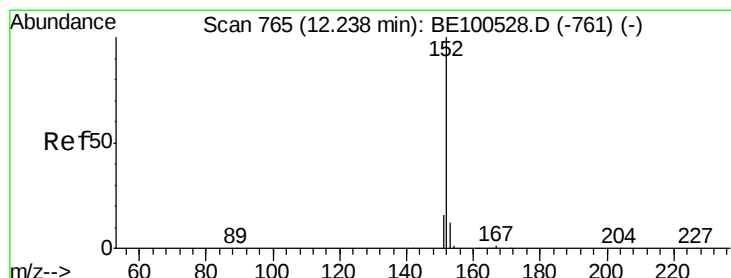
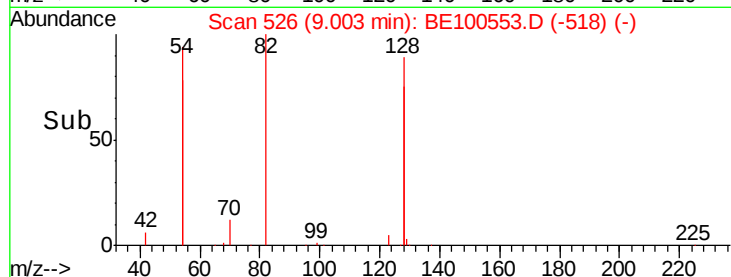
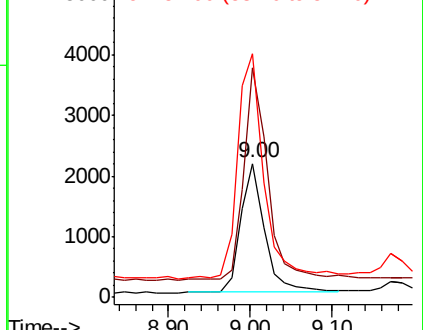
54 182.0 143.3 214.9



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.251 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100553.D

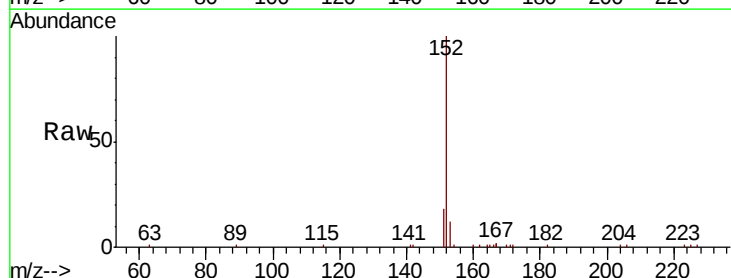
Acq: 25 Sep 2019 12:03

Tgt Ion: 152 Resp: 11871

Ion Ratio Lower Upper

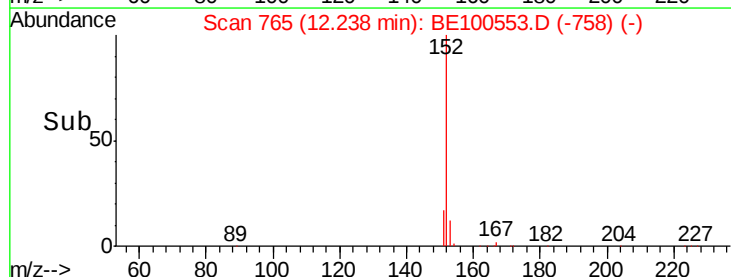
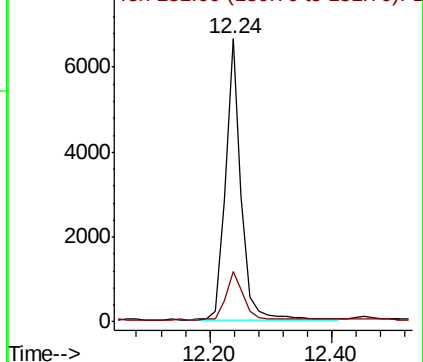
152 100

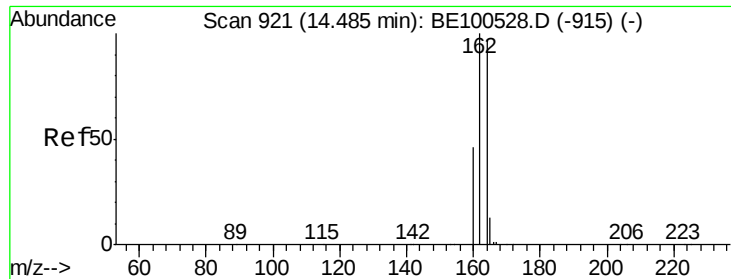
151 19.1 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

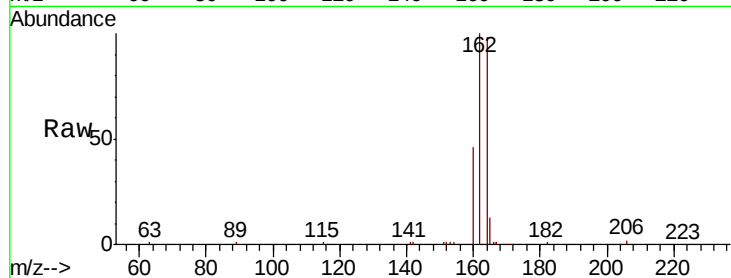




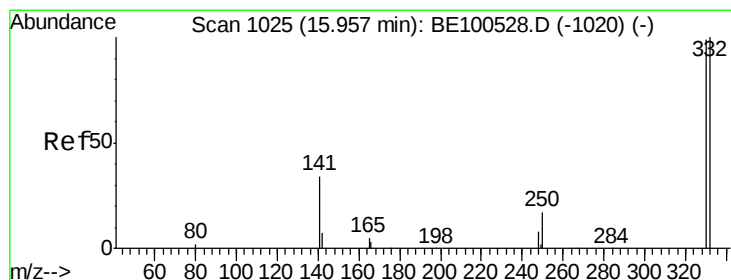
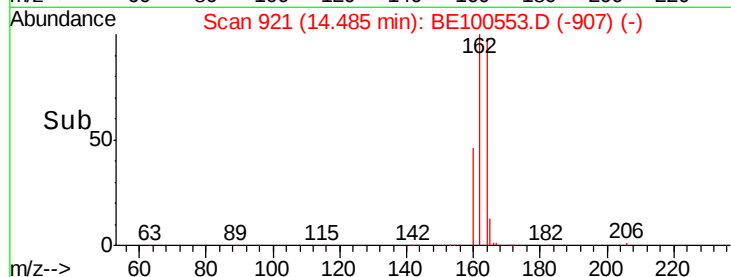
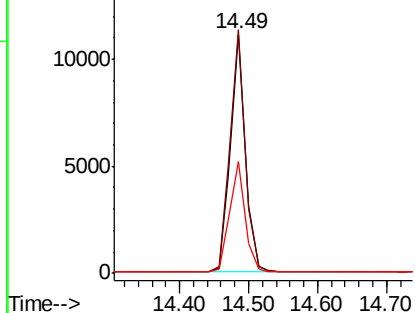
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:164 Resp: 16663
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.1 123.1
 160 46.8 37.6 56.4

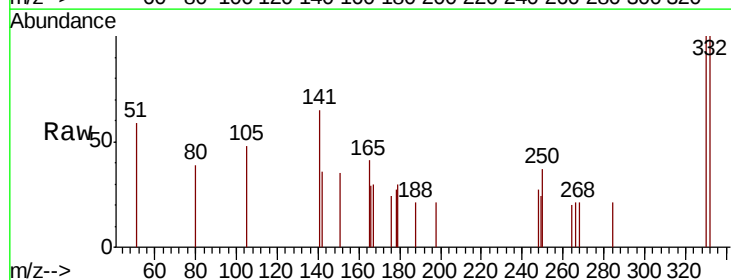


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

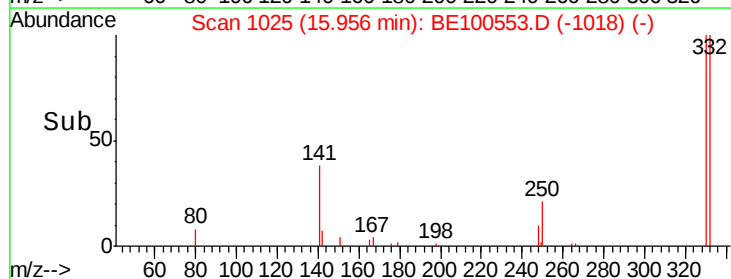
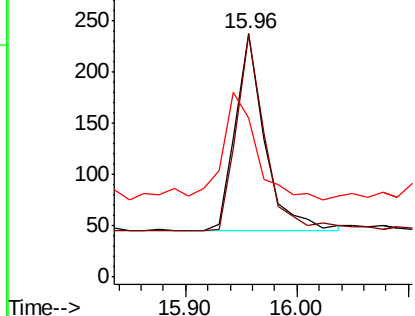


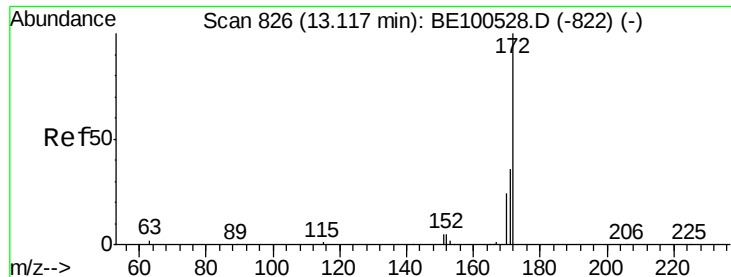
#14
 2,4,6-Tribromophenol
 Concen: 0.129 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Tgt Ion:330 Resp: 347
 Ion Ratio Lower Upper
 330 100
 332 101.7 75.5 113.3
 141 61.7 42.3 63.5



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

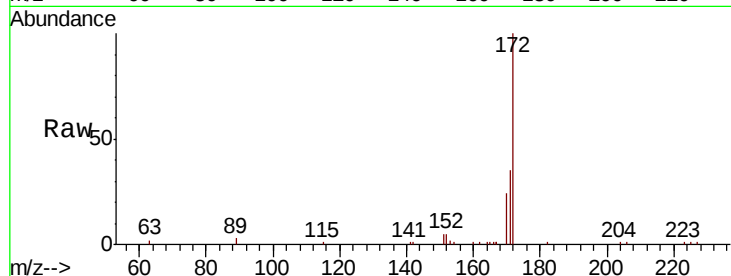




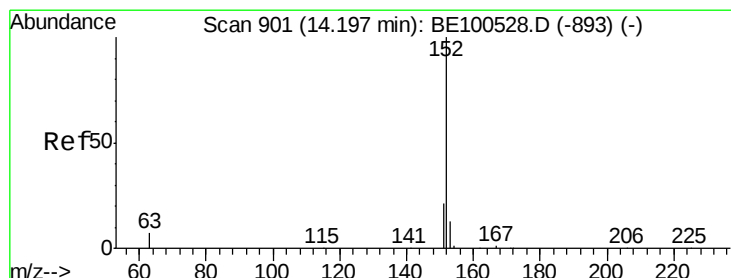
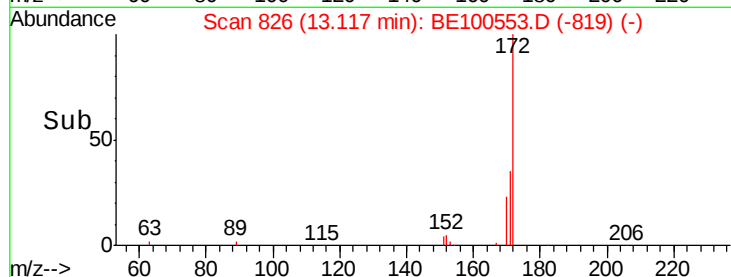
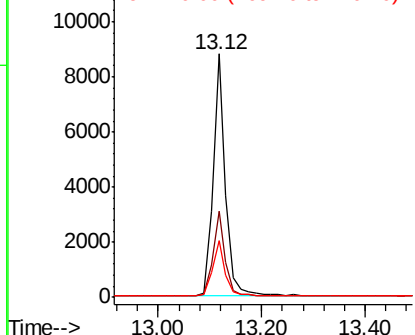
#15
2-Fluorobiphenyl
Concen: 0.249 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_M
ClientSampleId :

Tot Ion:172 Resp: 14801
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.6 19.4 29.0

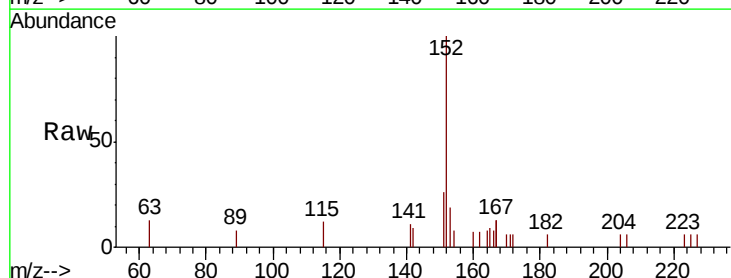


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

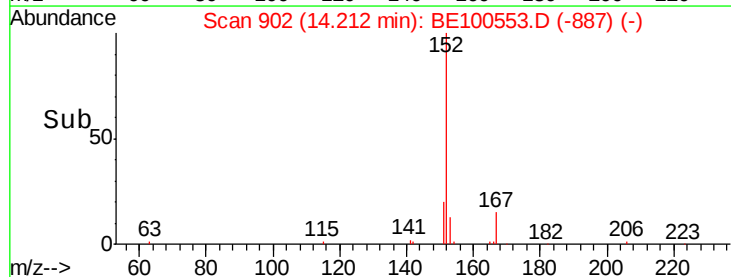
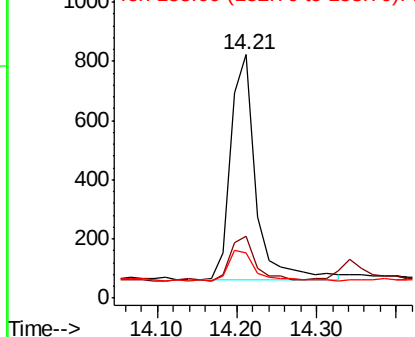


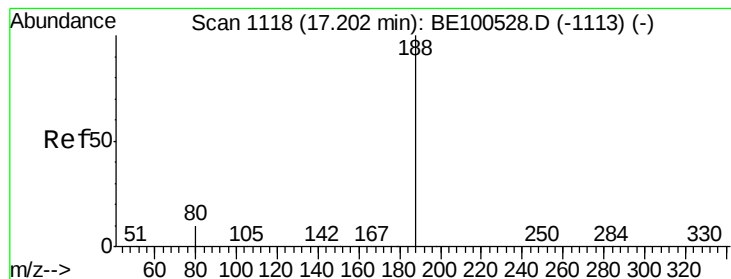
#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion:152 Resp: 1675
Ion Ratio Lower Upper
152 100
151 21.5 15.9 23.9
153 13.7 10.7 16.1



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :

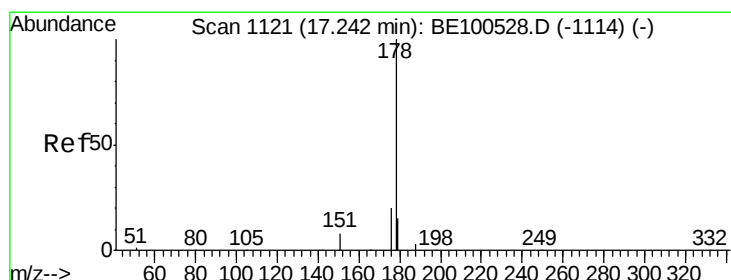
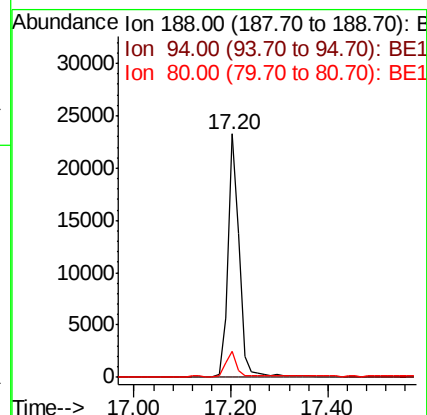
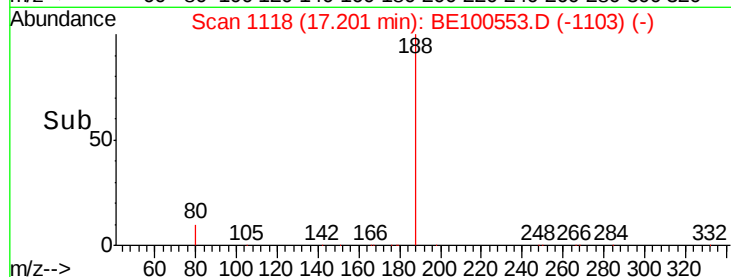
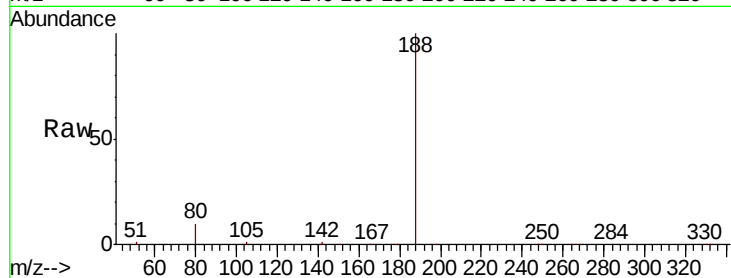
Tot Ion:188 Resp: 37436

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.4 8.0 12.0



#23

Phenanthrene

Concen: 0.053 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

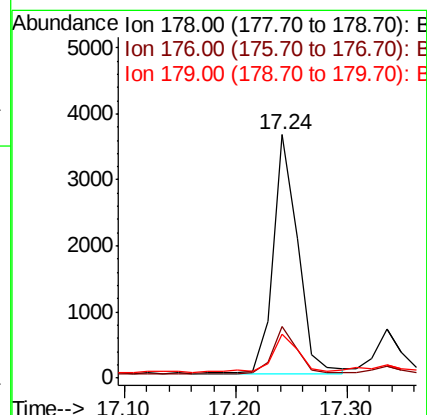
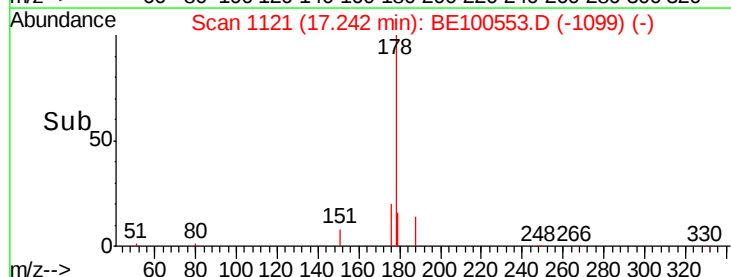
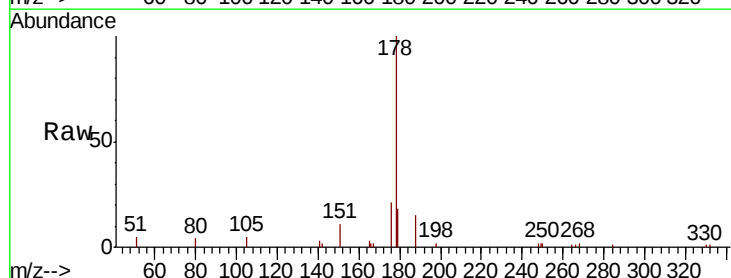
Tgt Ion:178 Resp: 5579

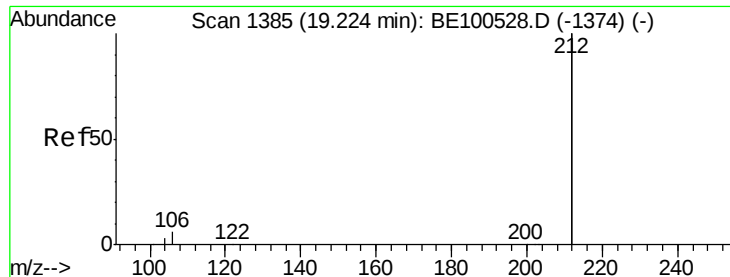
Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.2

179 16.7 12.6 18.8

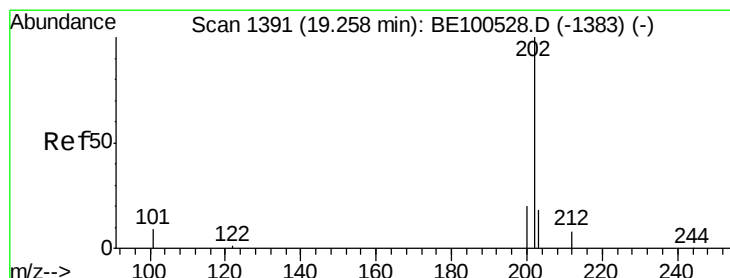
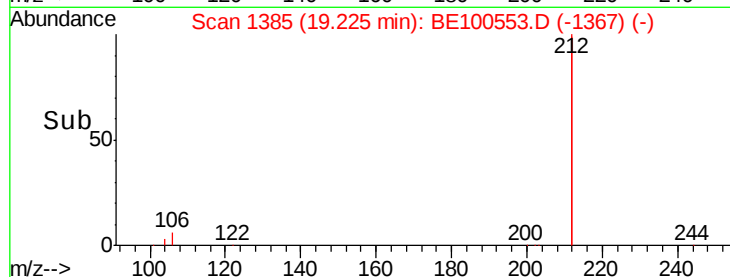
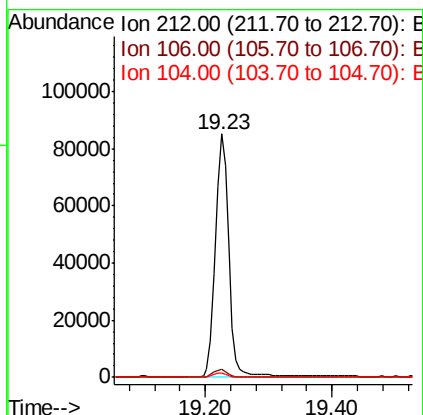
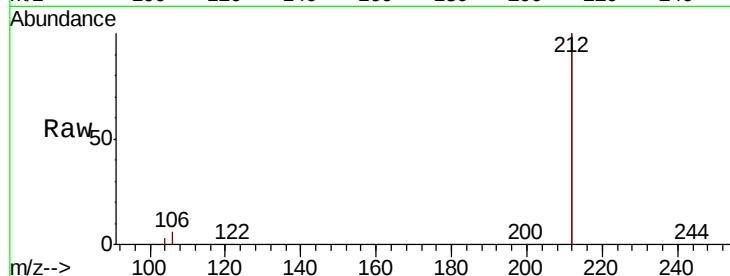




#25
 Fluoranthene-d10
 Concen: 0.274 ng
 RT: 19.23 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

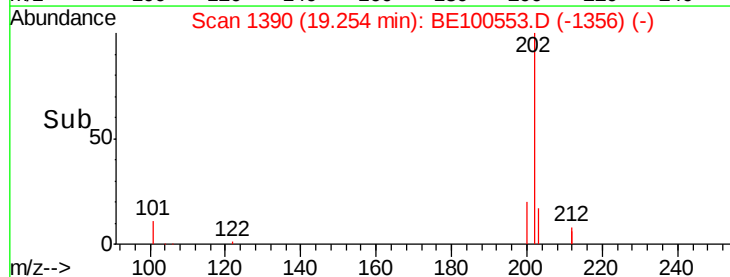
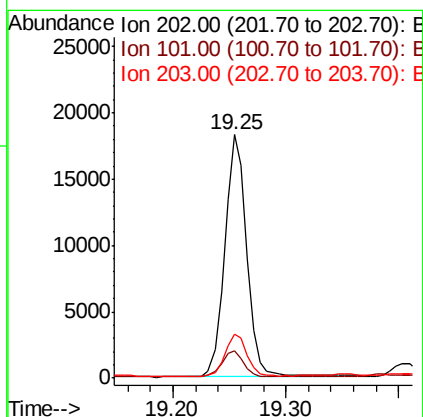
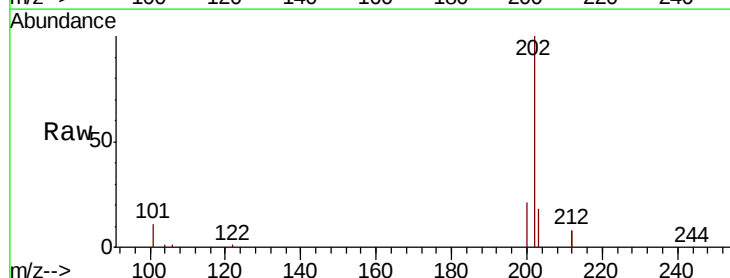
Instrument :
 BNA_M
 ClientSampled :

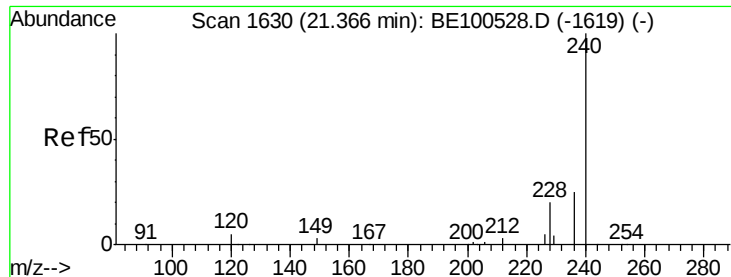
Tot Ion:212 Resp: 122085
 Ion Ratio Lower Upper
 212 100
 106 3.0 2.3 3.5
 104 1.7 1.3 1.9



#26
 Fluoranthene
 Concen: 0.198 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Tgt Ion:202 Resp: 24926
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.8 13.2
 203 17.5 13.7 20.5

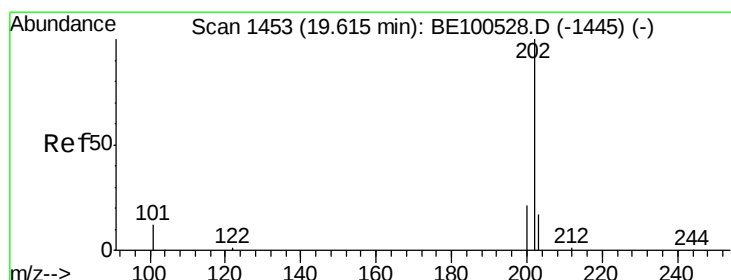
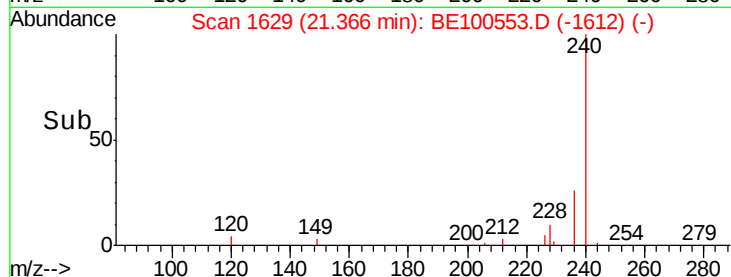
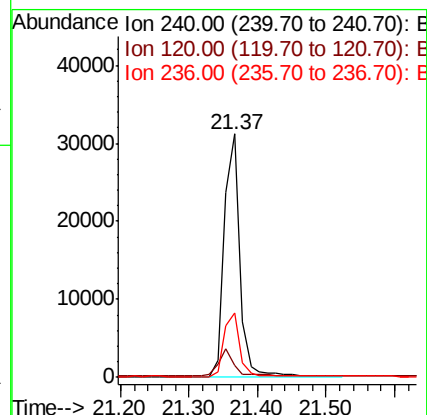
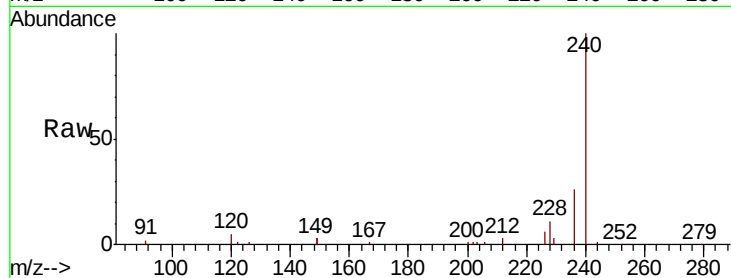




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

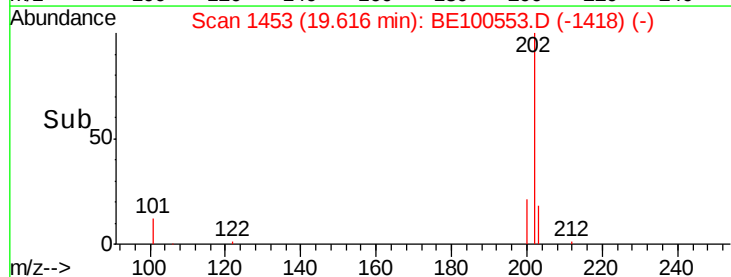
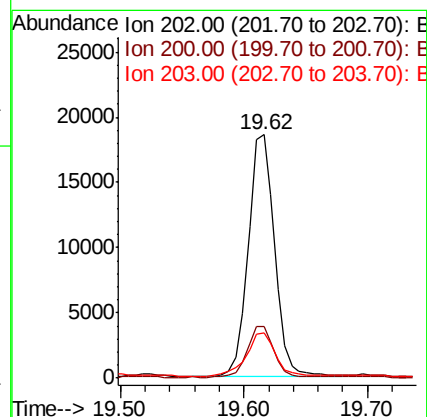
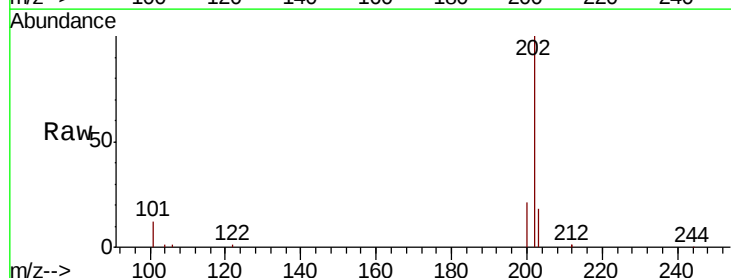
Instrument :
BNA_M
ClientSampleId :

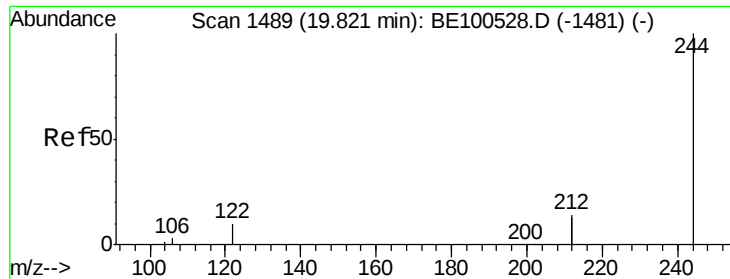
Tot Ion:240 Resp: 49555
Ion Ratio Lower Upper
240 100
120 4.9 4.5 6.7
236 26.4 20.6 30.8



#28
Pyrene
Concen: 0.194 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion:202 Resp: 27728
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 19.5 14.0 21.0





#29

Terphenyl-d14

Concen: 0.255 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampled :

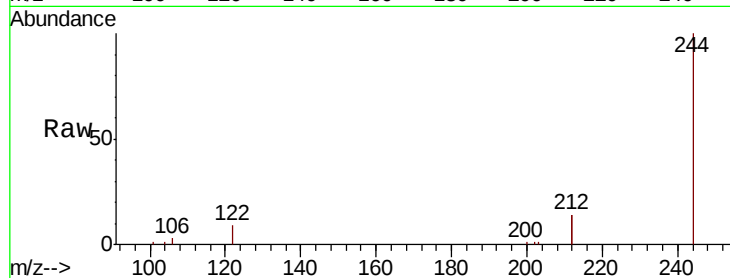
Tot Ion:244 Resp: 29971

Ion Ratio Lower Upper

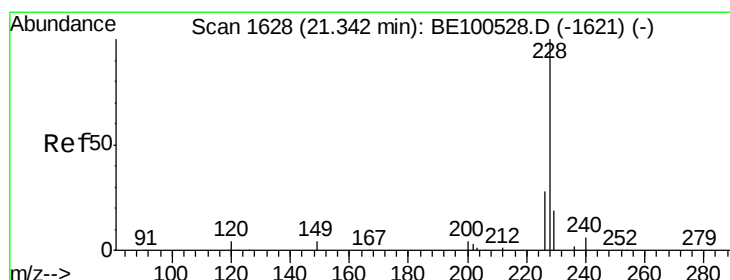
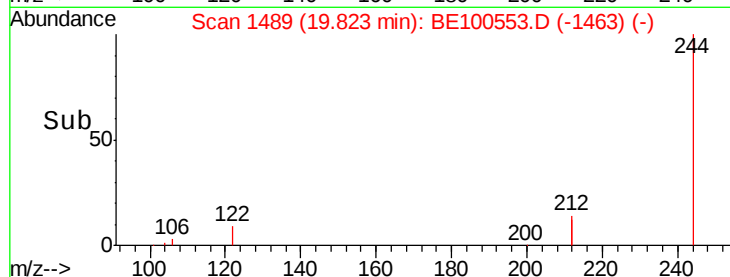
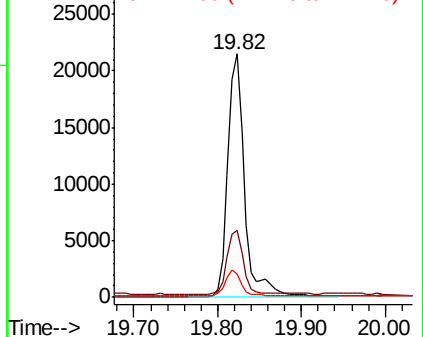
244 100

212 27.5 22.2 33.2

122 9.4 8.3 12.5



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: 0.172 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

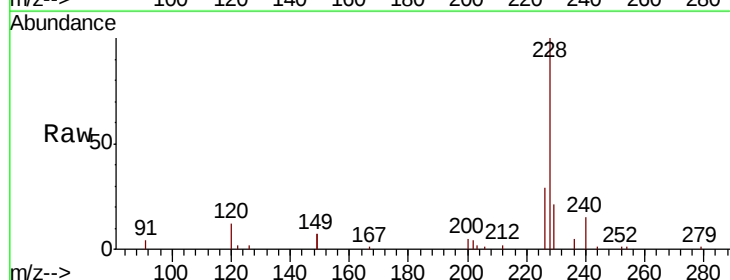
Tgt Ion:228 Resp: 22807

Ion Ratio Lower Upper

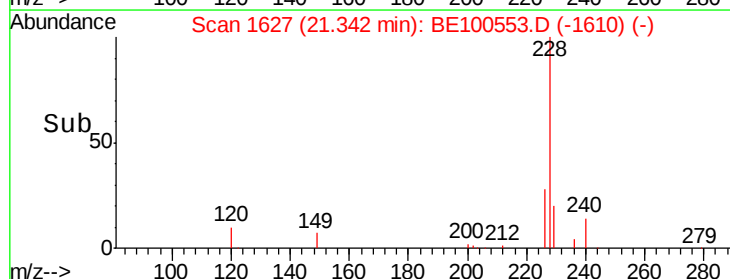
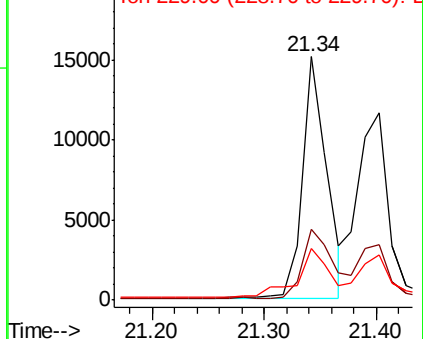
228 100

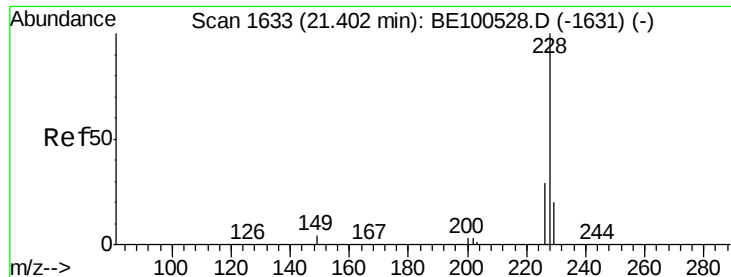
226 28.9 22.5 33.7

229 21.4 15.4 23.2



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: 0.143 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :

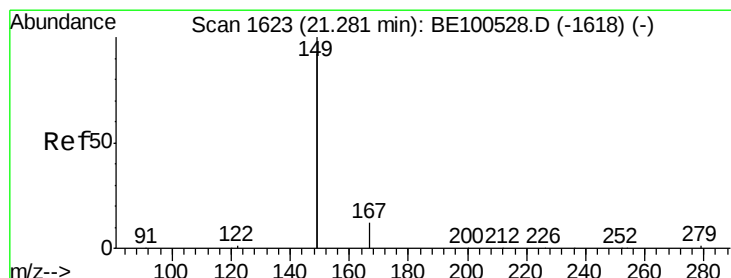
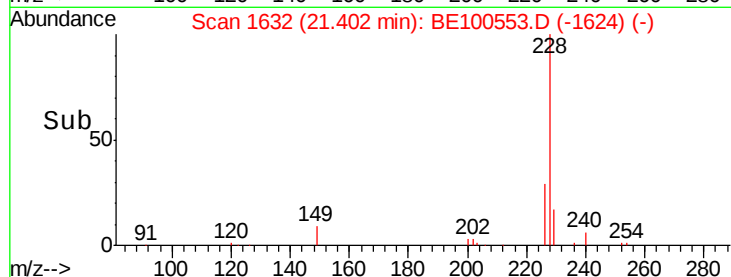
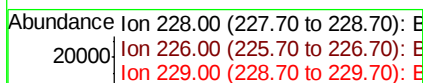
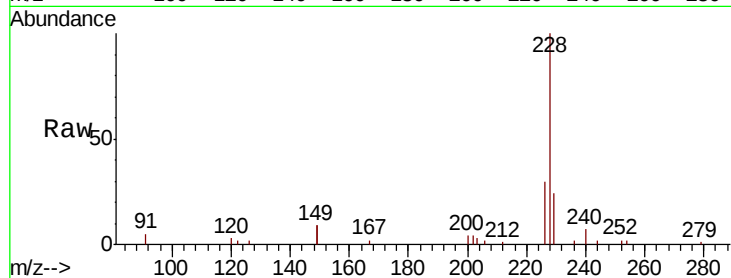
Tot Ion:228 Resp: 21505

Ion Ratio Lower Upper

228 100

226 29.5 23.3 34.9

229 23.8 16.3 24.5



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

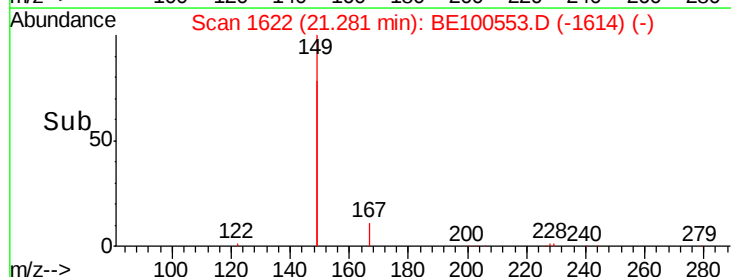
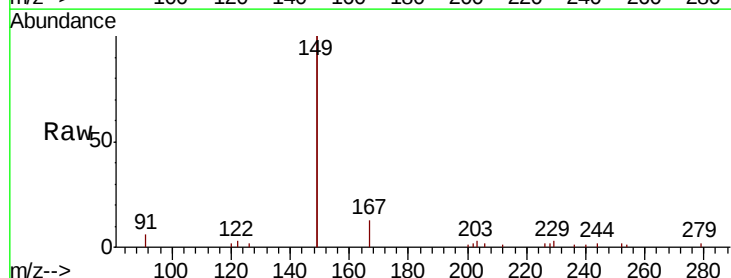
Tgt Ion:149 Resp: 20173

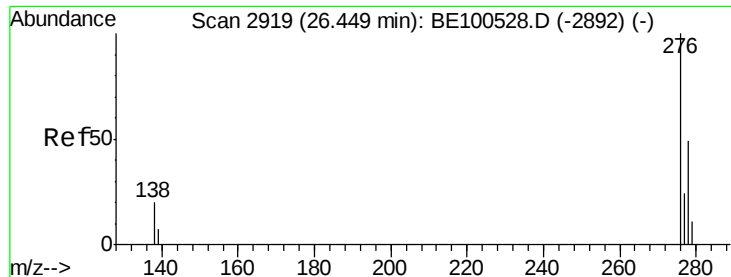
Ion Ratio Lower Upper

149 100

167 6.6 5.2 7.8

279 1.4 1.0 1.4

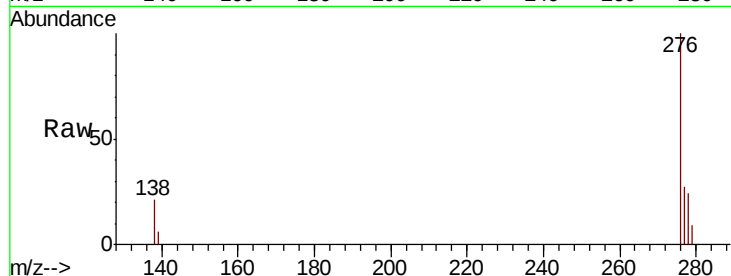




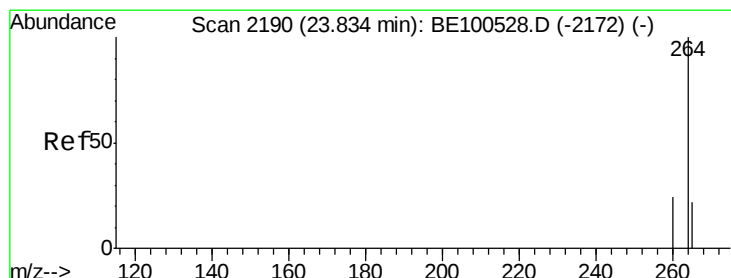
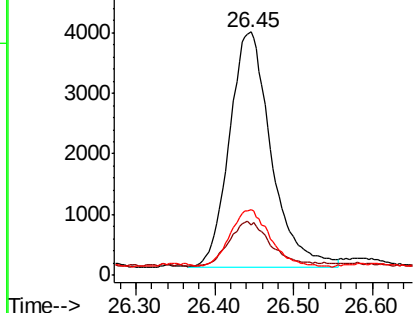
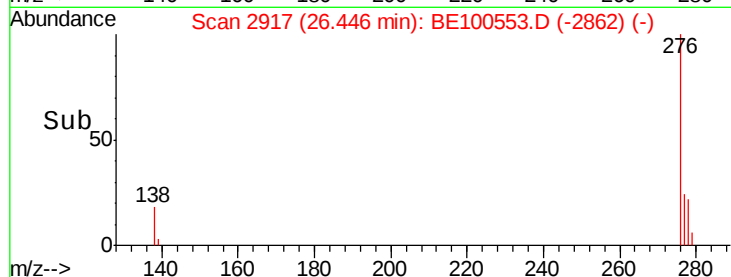
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.084 ng
 RT: 26.45 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:276 Resp: 14150
 Ion Ratio Lower Upper
 276 100
 138 19.1 17.7 26.5
 277 23.5 19.9 29.9

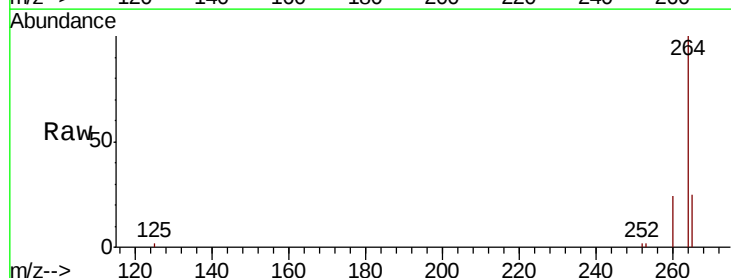


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

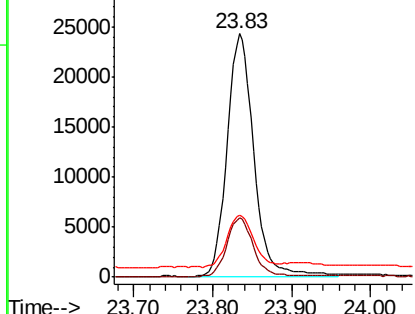
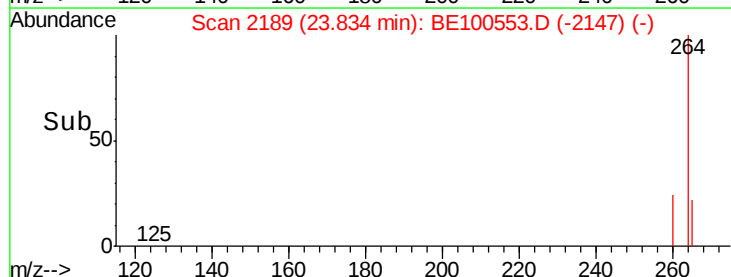


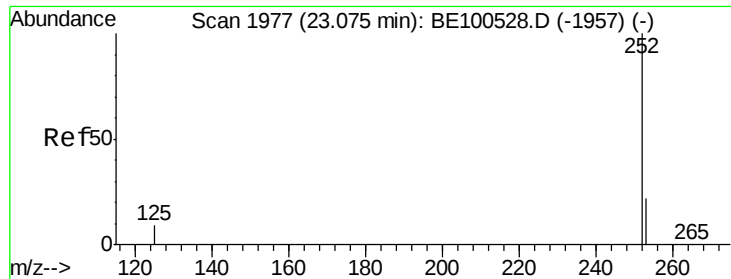
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.83 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Tgt Ion:264 Resp: 56808
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 25.4 21.8 32.8



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

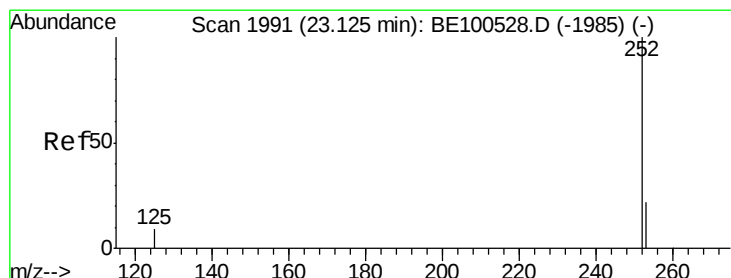
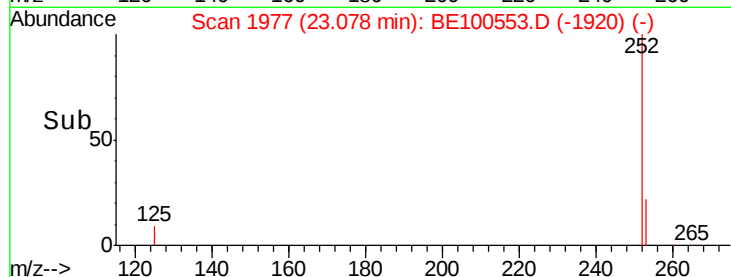
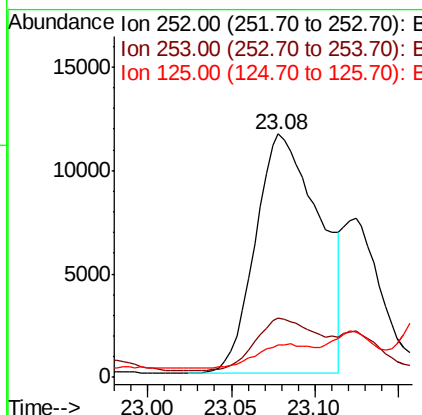
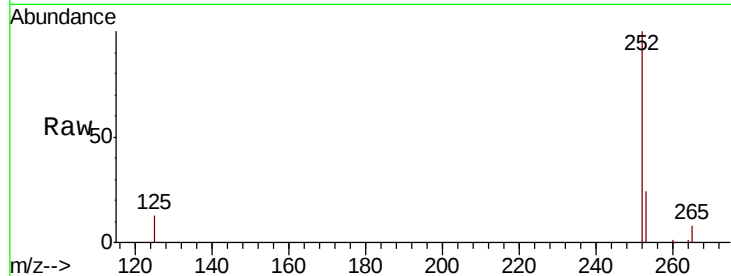




#35
Benzo(b)fluoranthene
Concen: 0.201 ng
RT: 23.08 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

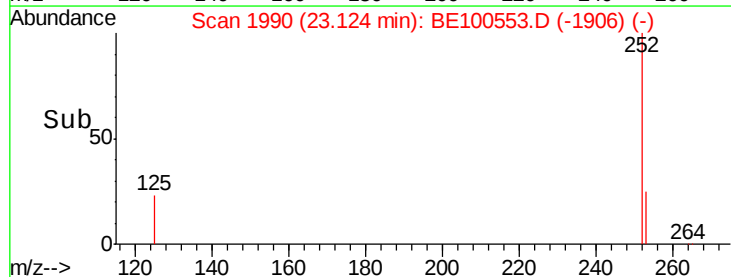
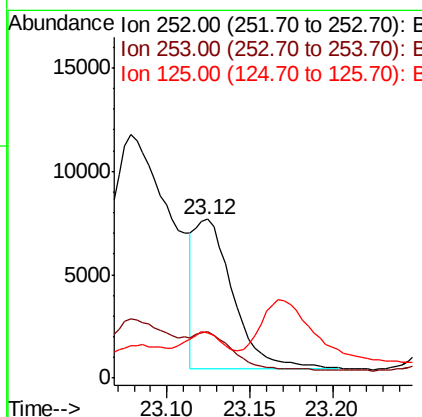
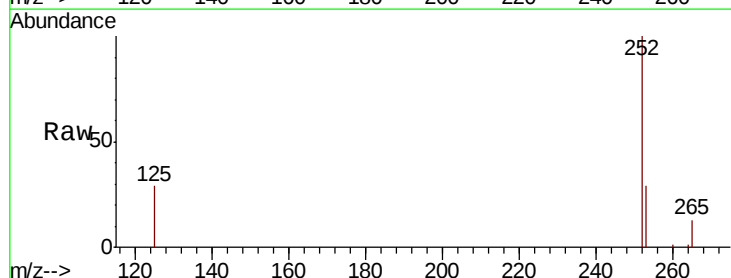
Instrument :
BNA_M
ClientSampleId :

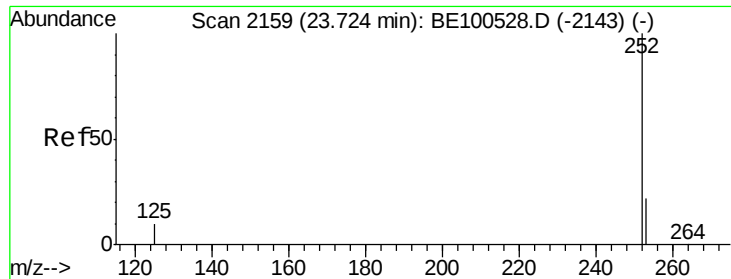
Tot Ion:252 Resp: 30927
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 13.2 8.0 12.0#



#36
Benzo(k)fluoranthene
Concen: 0.065 ng m
RT: 23.12 min Scan# 1990
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion:252 Resp: 11494
Ion Ratio Lower Upper
252 100
253 29.4 17.9 26.9#
125 28.8 8.5 12.7#





#37

Benzo(a)pyrene

Concen: 0.143 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :

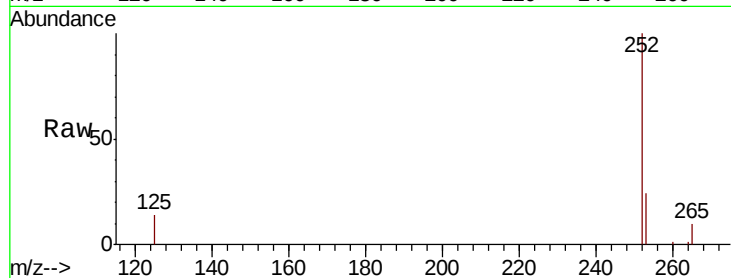
Tot Ion:252 Resp: 20498

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

125 14.3 9.2 13.8#

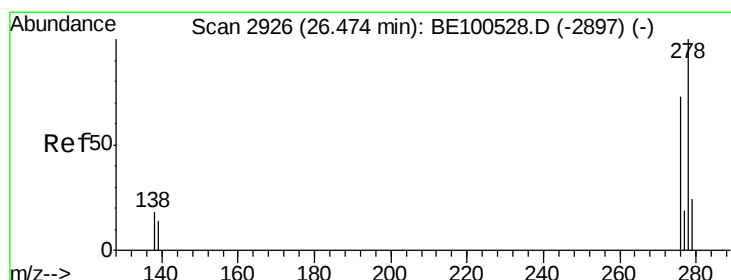
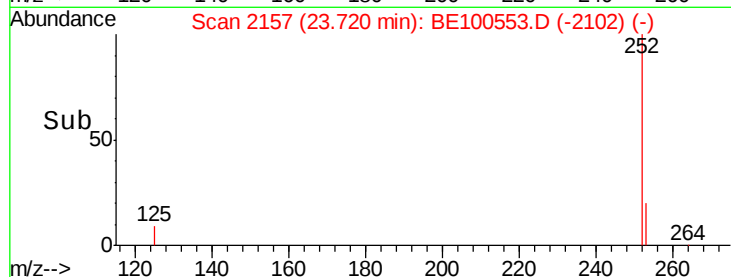
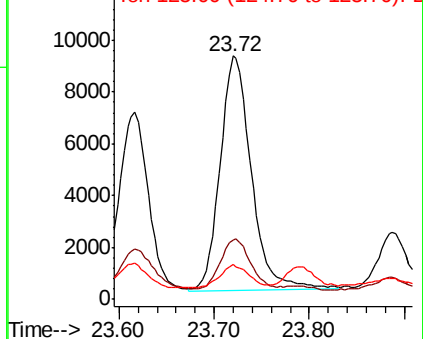


Abundance

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



#38

Dibenzo(a,h)anthracene

Concen: 0.026 ng

RT: 26.46 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

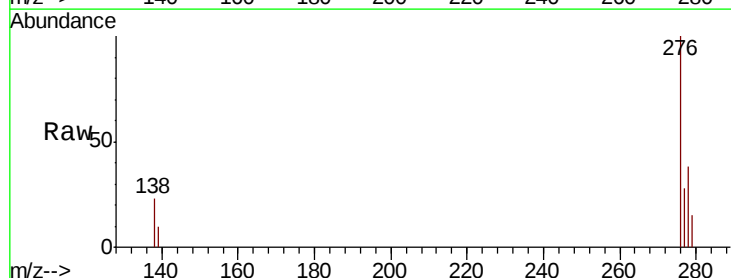
Tgt Ion:278 Resp: 3946

Ion Ratio Lower Upper

278 100

139 25.5 11.6 17.4#

279 38.3 19.7 29.5#

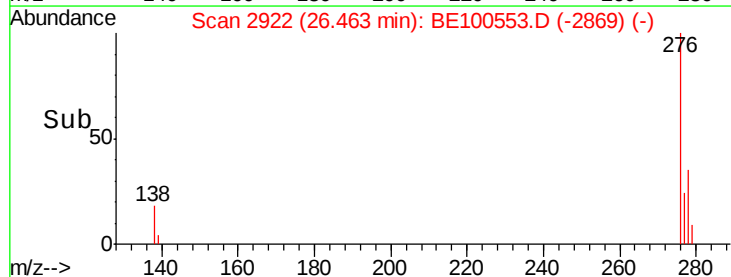
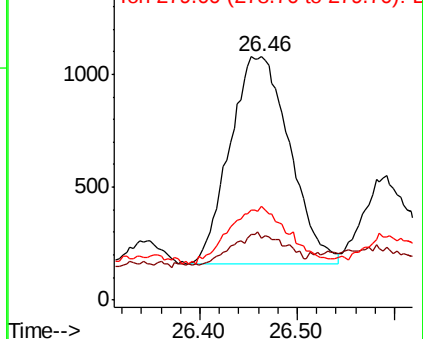


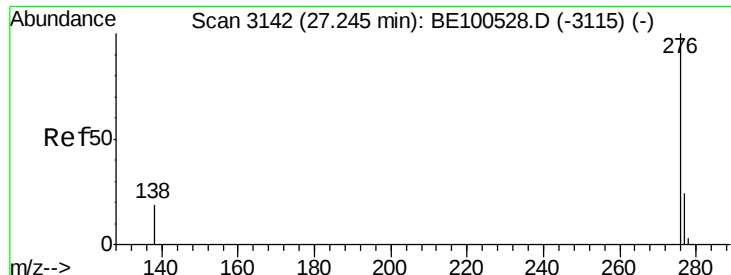
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.087 ng

RT: 27.24 min Scan# 3141

Delta R.T. -0.00 min

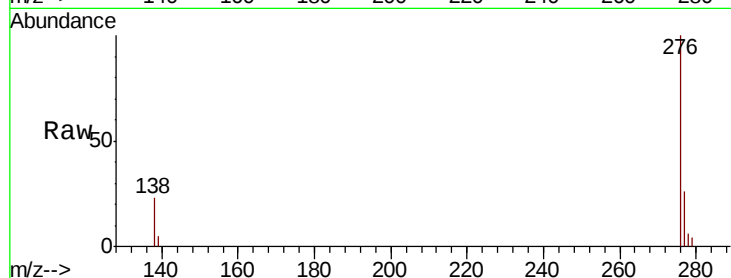
Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_M

ClientSampleId :



Tot Ion: 276 Resp: 13612

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 22.9 15.7 23.5

