

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100326.D
 Acq On : 3 Jul 2019 13:35
 Operator : JU/SJ
 Sample : K3504-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 04 00:35:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	557	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	1781	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1465	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	4596	0.40	ng	0.00
27) Chrysene-d12	21.24	240	6864	0.40	ng	0.00
34) Perylene-d12	23.67	264	8536	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	399	0.28	ng	0.00
5) Phenol-d6	6.84	99	614	0.33	ng	0.00
8) Nitrobenzene-d5	8.82	82	548	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	1196	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	381	0.37	ng	0.03
15) 2-Fluorobiphenyl	12.94	172	1888	0.33	ng	0.00
25) Fluoranthene-d10	19.10	212	22922	0.34	ng	0.00
29) Terphenyl-d14	19.69	244	6047	0.43	ng	0.00

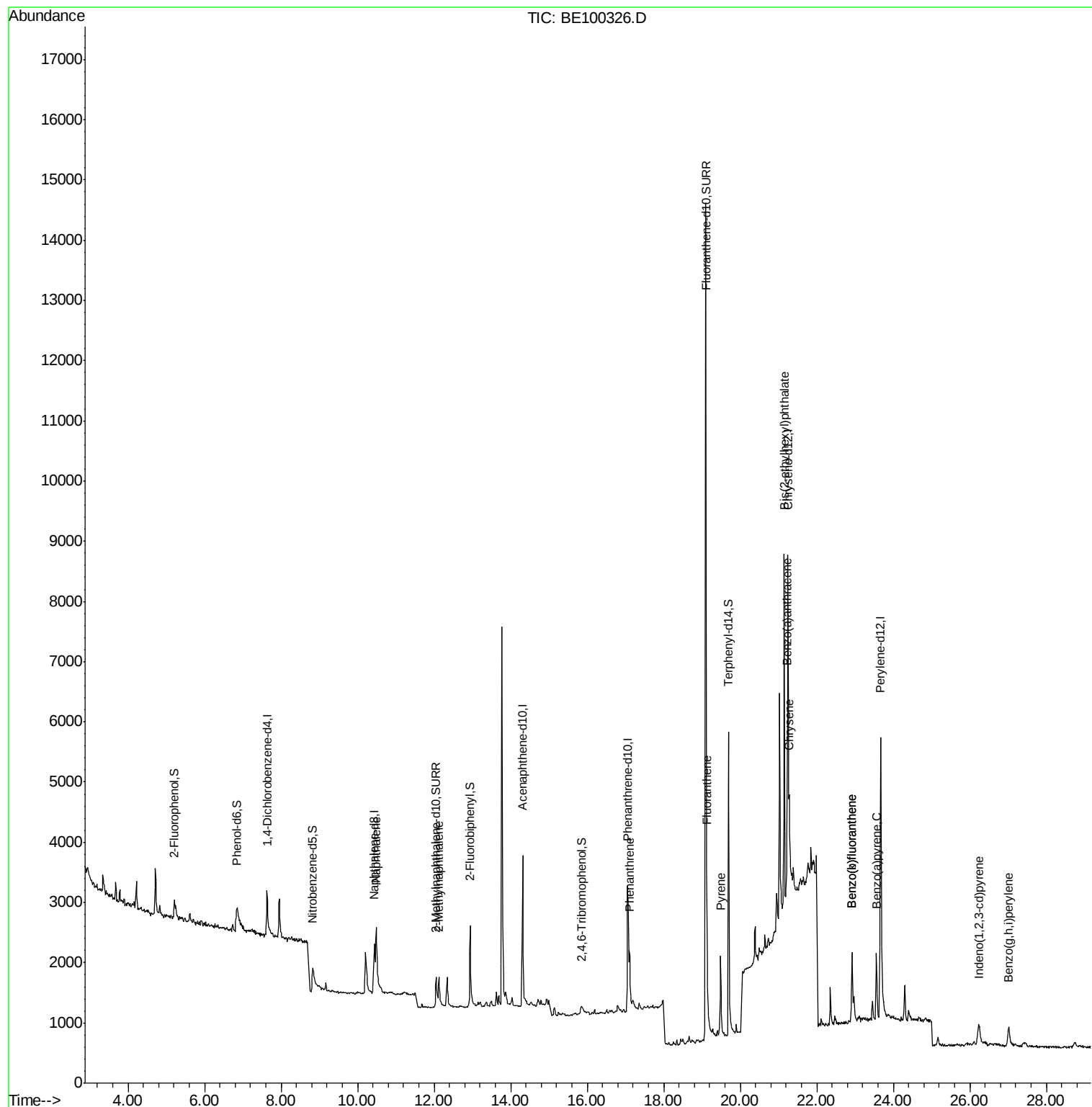
Target Compounds				Qvalue		
9) Naphthalene	10.48	128	2691	0.137	ng	# 91
12) 2-Methylnaphthalene	12.12	142	525	0.152	ng	# 94
23) Phenanthrene	17.11	178	1246	0.112	ng	98
26) Fluoranthene	19.13	202	1516	0.085	ng	100
28) Pyrene	19.49	202	1480	0.081	ng	94
30) Benzo(a)anthracene	21.23	228	891	0.039	ng	# 61
31) Chrysene	21.28	228	1060	0.047	ng	# 74
32) Bis(2-ethylhexyl)phthalate	21.15	149	5670	0.120	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.23	276	778	0.026	ng	# 90
35) Benzo(b)fluoranthene	22.93	252	1082	0.047	ng	# 1
36) Benzo(k)fluoranthene	22.93	252	1082	0.042	ng	# 1
37) Benzo(a)pyrene	23.56	252	888	0.038	ng	# 1
39) Benzo(a,h,i)perylene	27.02	276	977	0.039	ng	# 53

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

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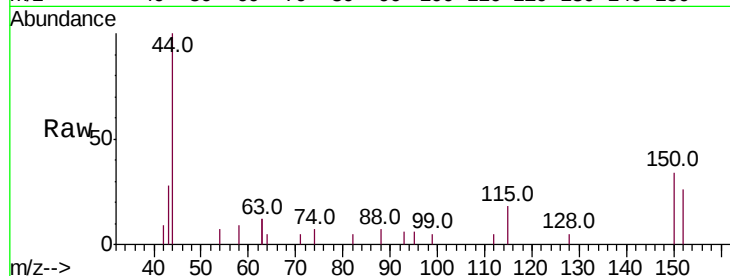


#1

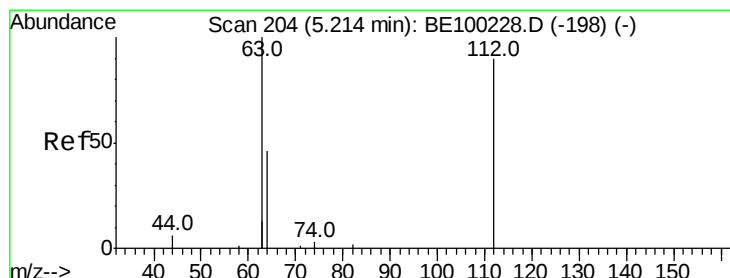
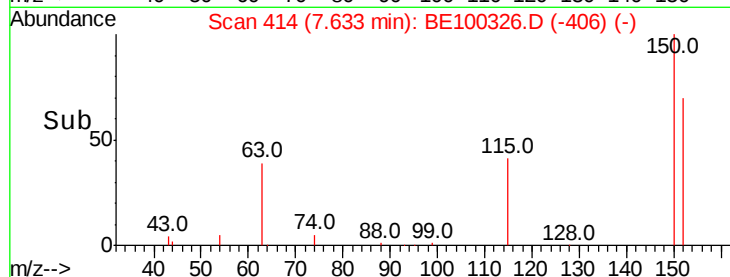
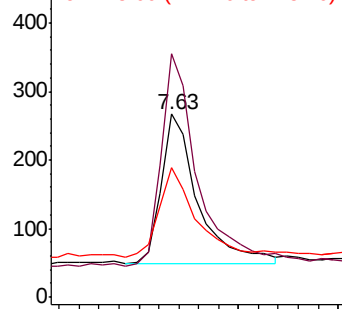
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 557
Ion Ratio Lower Upper
152 100
150 133.0 114.5 171.7
115 70.4 57.1 85.7



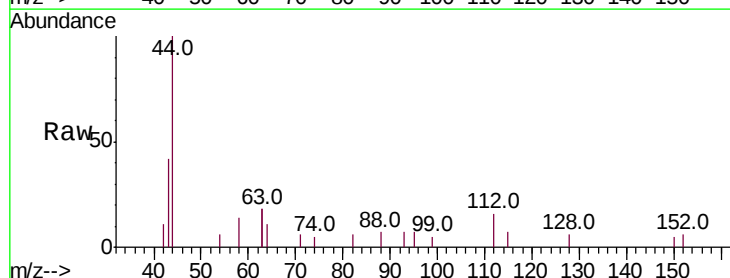
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



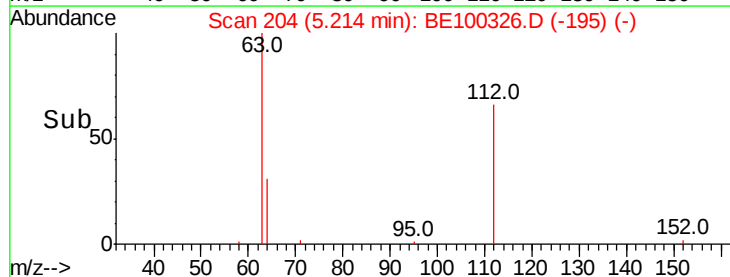
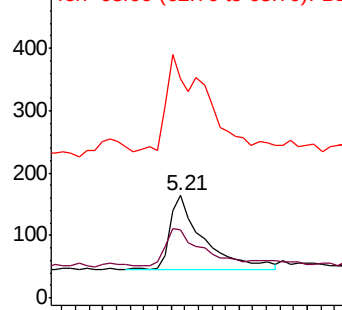
#4

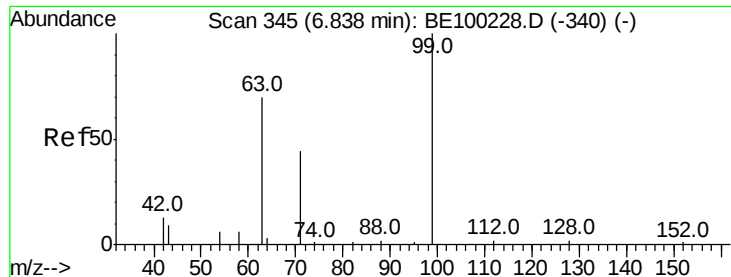
2-Fluorophenol
Concen: 0.281 ng
RT: 5.21 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

Tgt Ion:112 Resp: 399
Ion Ratio Lower Upper
112 100
64 55.1 39.4 59.0
63 160.7 104.5 156.7#



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: 0.329 ng

RT: 6.84 min Scan# 345

Delta R.T. 0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Instrument :

BNA_E

ClientSampled :

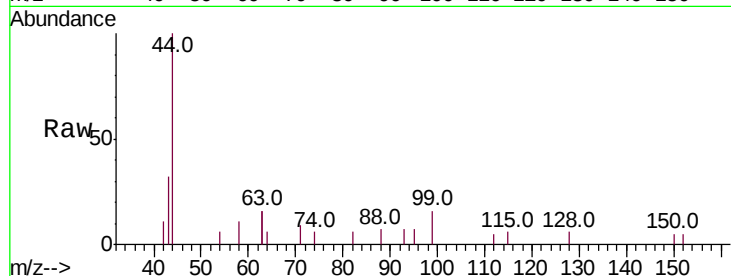
Tot Ion: 99 Resp: 614

Ion Ratio Lower Upper

99 100

42 14.8 11.2 16.8

71 45.0 37.2 55.8



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

6.84

150

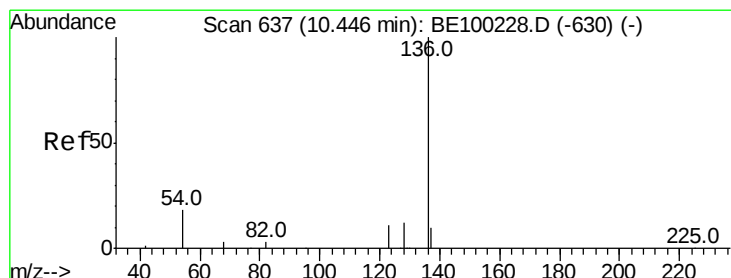
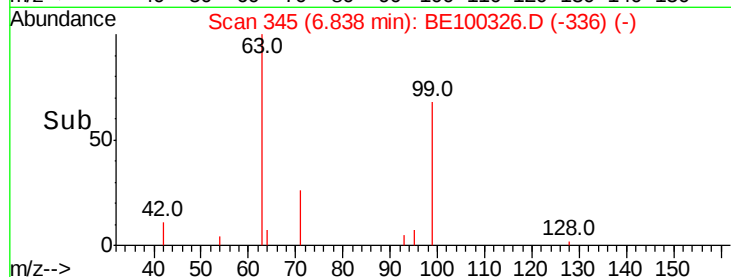
100

50

0

6.70 6.80 6.90 7.00 7.10

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Tgt Ion: 136 Resp: 1781

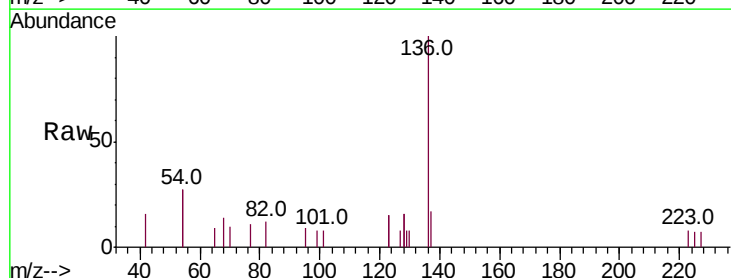
Ion Ratio Lower Upper

136 100

137 16.9 11.8 17.8

54 53.1 27.7 41.5#

68 13.7 6.8 10.2#



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

800

600

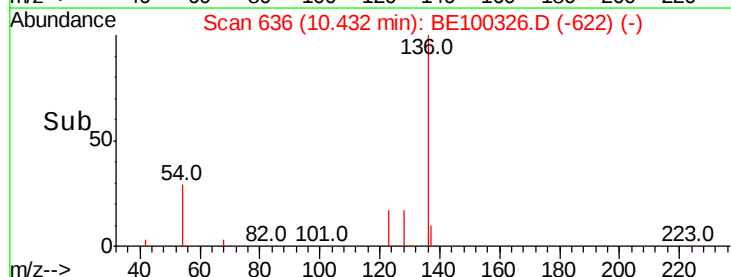
400

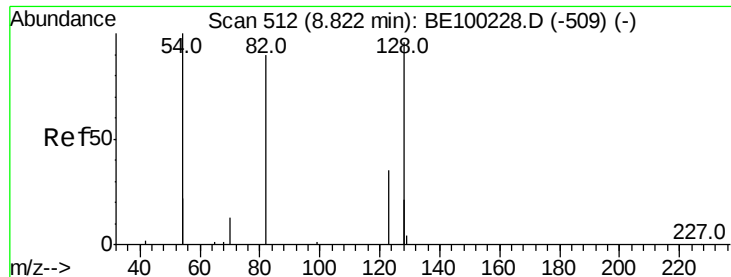
200

0

10.40 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.310 ng

RT: 8.82 min Scan# 512

Delta R.T. -0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Instrument :

BNA_E

ClientSampled :

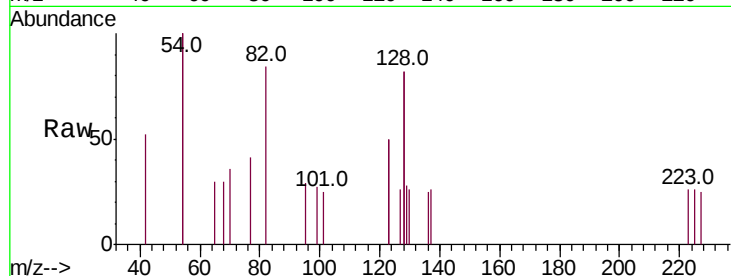
Tot Ion: 82 Resp: 548

Ion Ratio Lower Upper

82 100

128 194.9 140.9 211.3

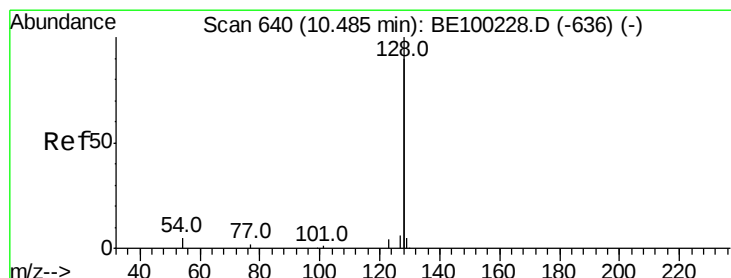
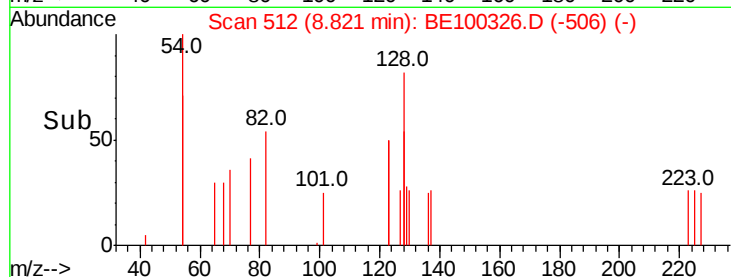
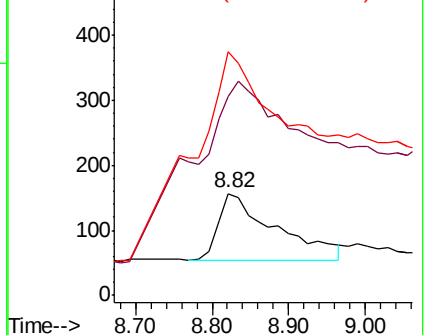
54 238.2 146.2 219.2#



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



#9

Naphthalene

Concen: 0.137 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

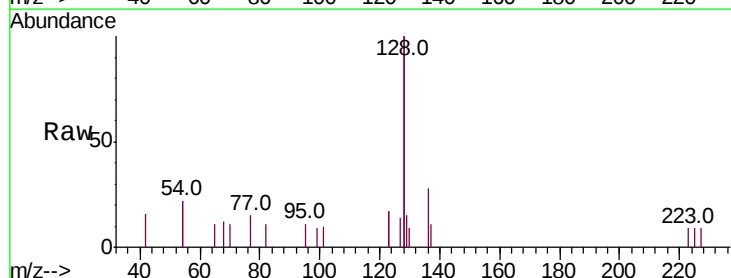
Tgt Ion: 128 Resp: 2691

Ion Ratio Lower Upper

128 100

129 7.4 3.0 4.6#

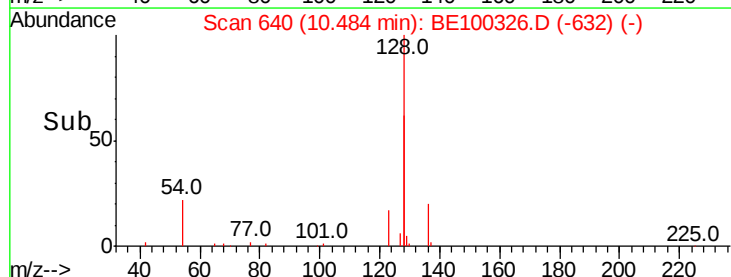
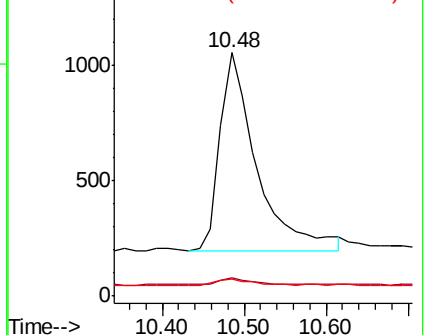
127 7.1 3.5 5.3#

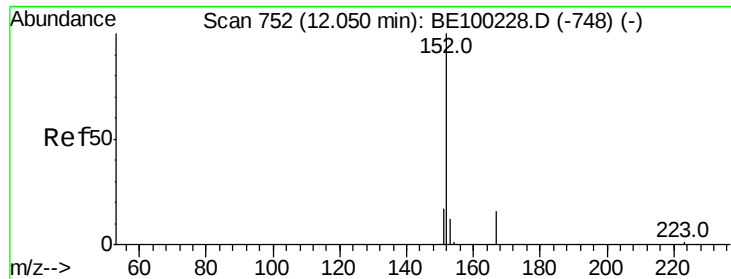


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

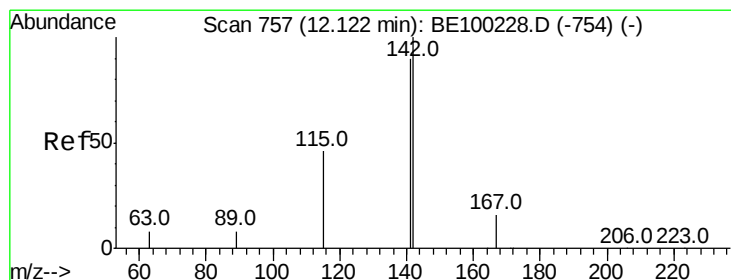
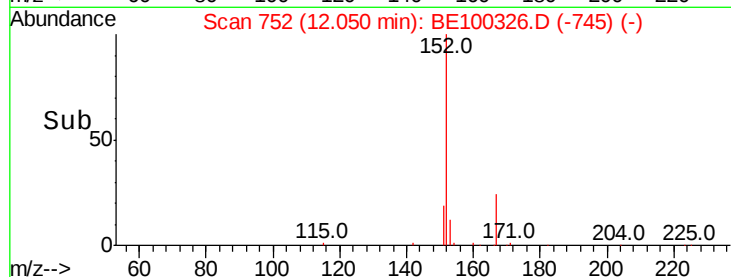
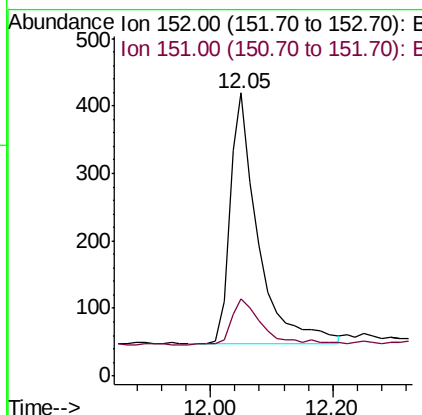
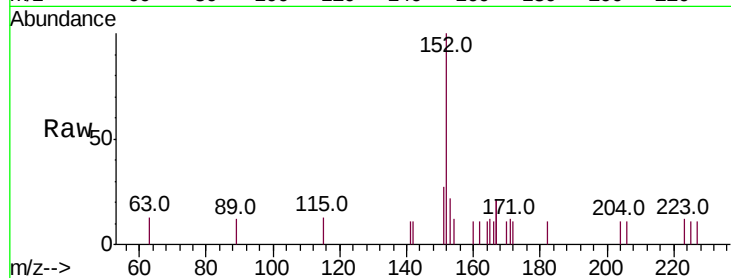




#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.05 min Scan# 752
Delta R.T. 0.00 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

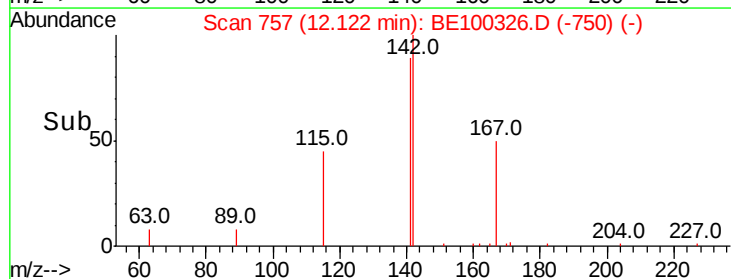
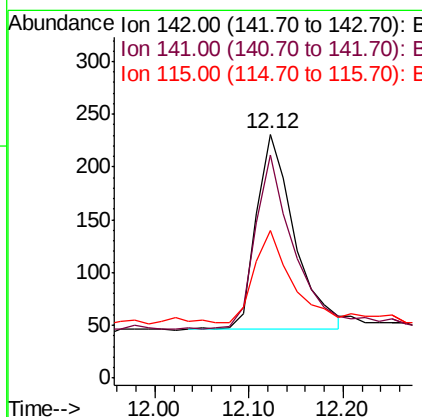
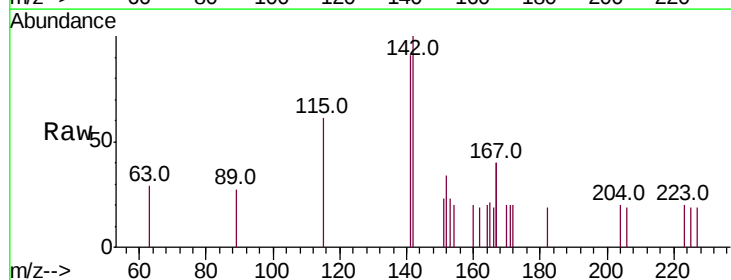
Instrument :
BNA_E
ClientSampleId :

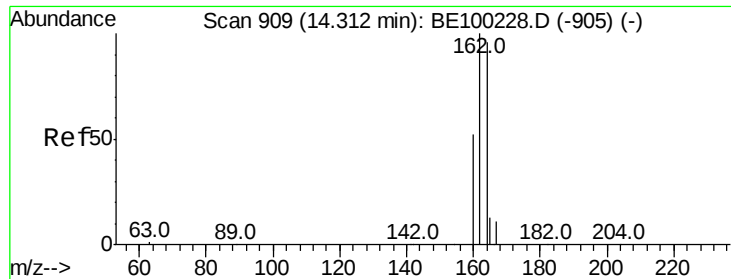
Tot Ion:152 Resp: 1196
Ion Ratio Lower Upper
152 100
151 19.0 15.1 22.7



#12
2-Methylnaphthalene
Concen: 0.152 ng
RT: 12.12 min Scan# 757
Delta R.T. 0.00 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

Tgt Ion:142 Resp: 525
Ion Ratio Lower Upper
142 100
141 91.3 72.4 108.6
115 60.6 40.4 60.6#

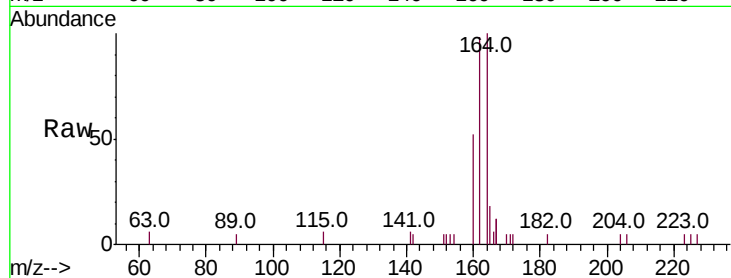




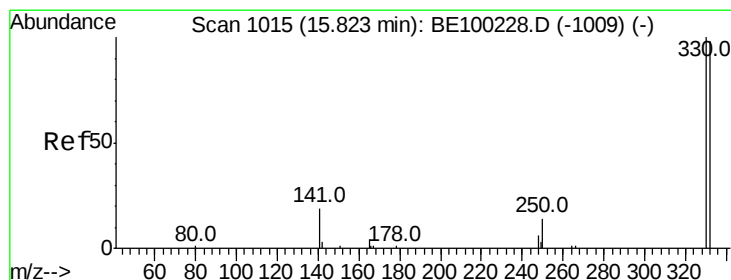
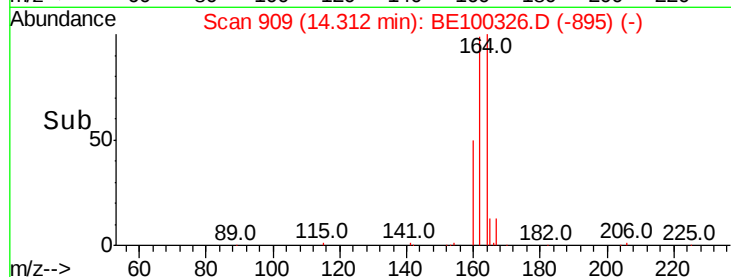
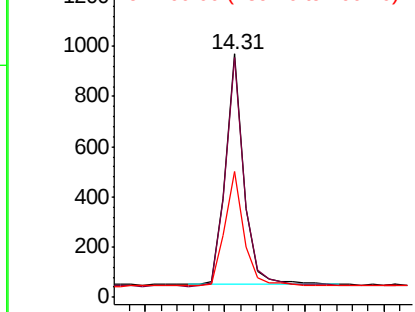
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BE100326.D
 Acq: 3 Jul 2019 13:35

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 1465
 Ion Ratio Lower Upper
 164 100
 162 98.2 83.4 125.0
 160 51.8 45.0 67.6

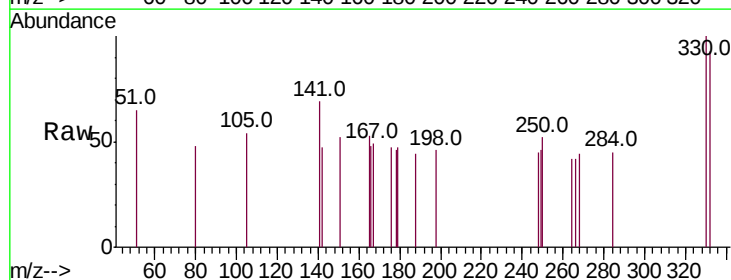


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

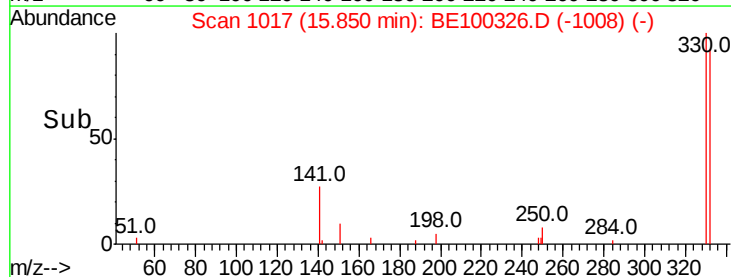
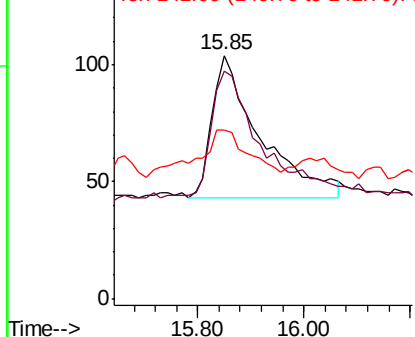


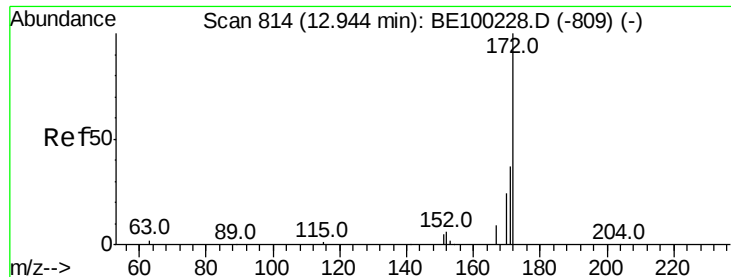
#14
 2,4,6-Tribromophenol
 Concen: 0.372 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.03 min
 Lab File: BE100326.D
 Acq: 3 Jul 2019 13:35

Tgt Ion:330 Resp: 381
 Ion Ratio Lower Upper
 330 100
 332 87.4 77.0 115.4
 141 23.4 22.0 33.0



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

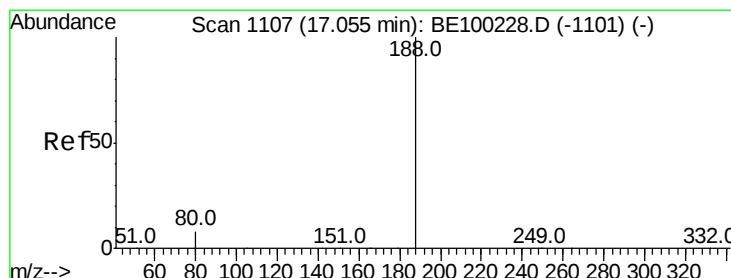
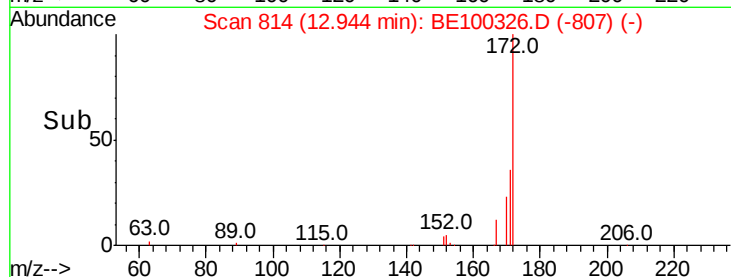
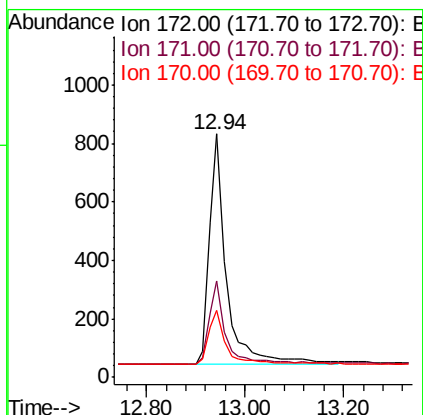
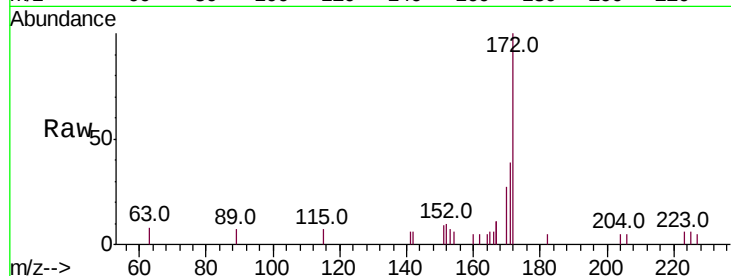




#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

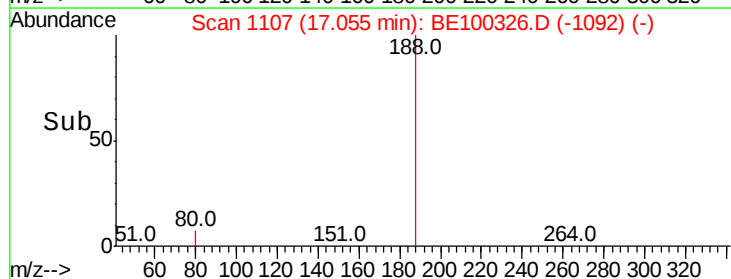
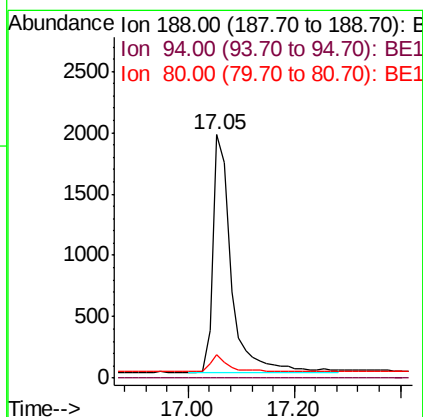
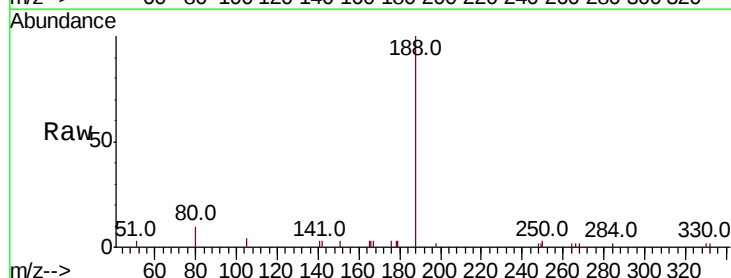
Instrument :
BNA_E
ClientSampled :

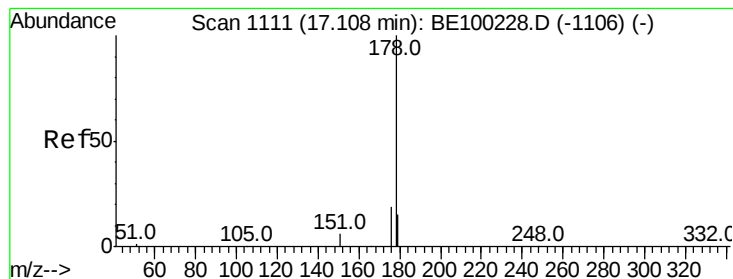
Tot Ion:172 Resp: 1888
Ion Ratio Lower Upper
172 100
171 39.4 31.9 47.9
170 27.5 22.2 33.2



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. 0.00 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

Tgt Ion:188 Resp: 4596
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.6 7.6 11.4





#23

Phenanthrene

Concen: 0.112 ng

RT: 17.11 min Scan# 1111

Delta R.T. 0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

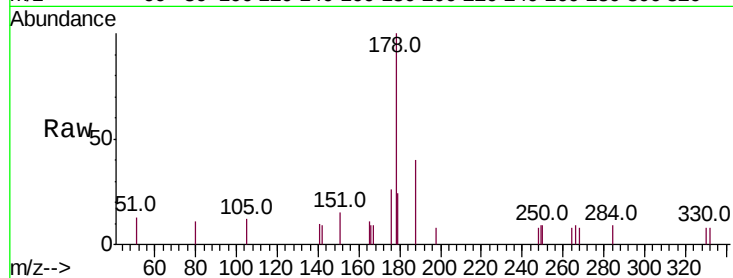
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 1246

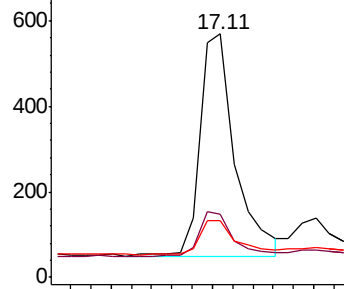
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	17.0	12.2	18.2



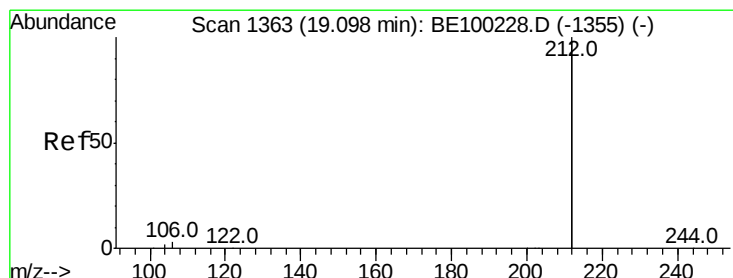
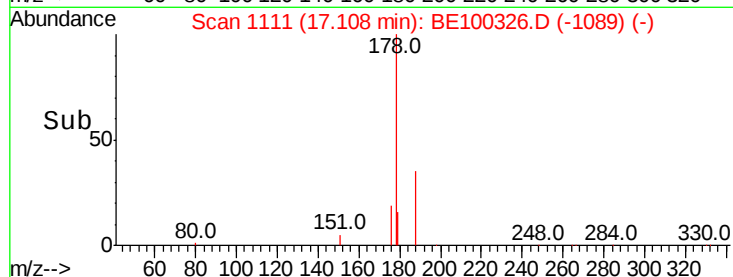
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 19.10 min Scan# 1363

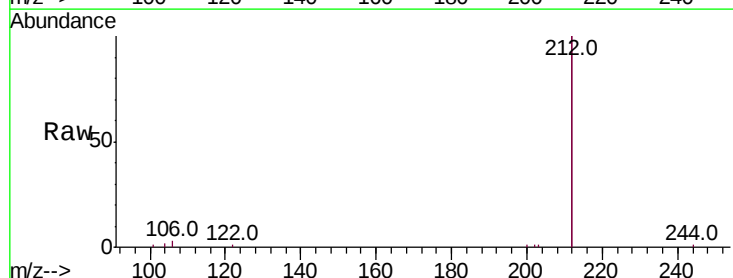
Delta R.T. -0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Tgt Ion:212 Resp: 22922

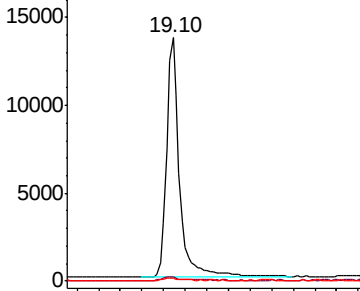
Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2



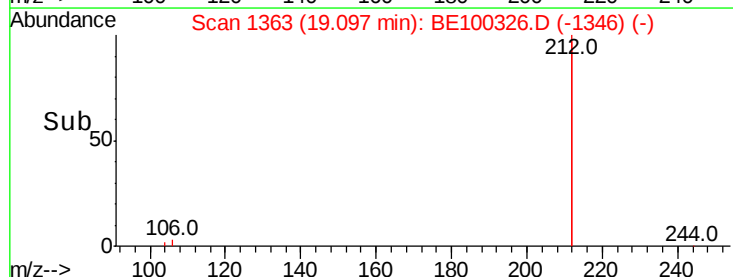
Abundance Ion 212.00 (211.70 to 212.70): E

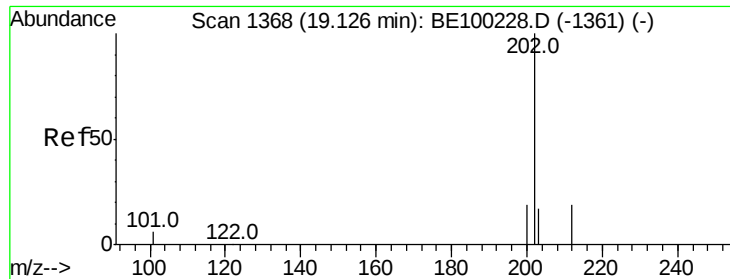
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->

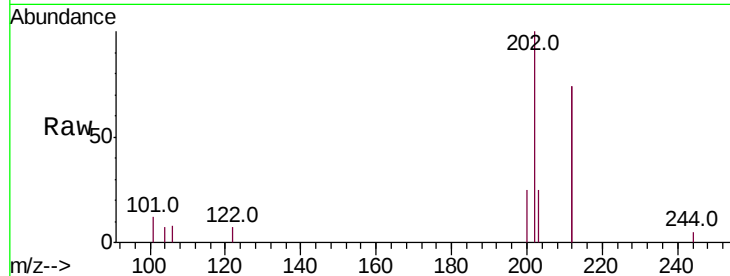




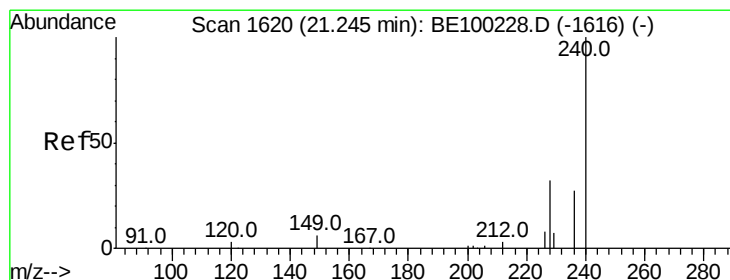
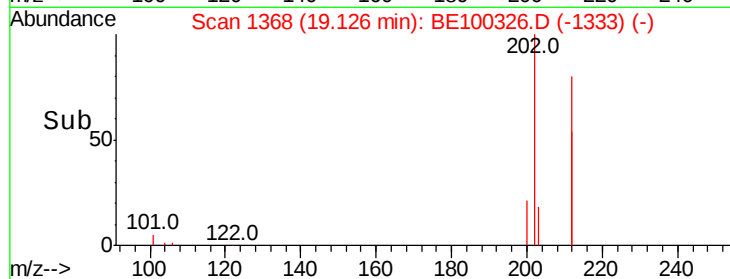
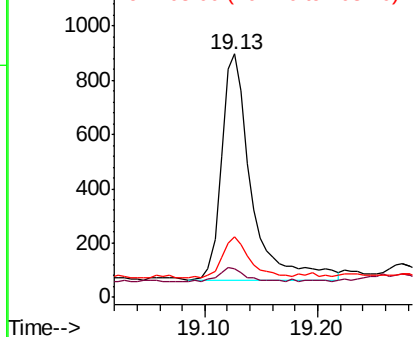
#26
 Fluoranthene
 Concen: 0.085 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: BE100326.D
 Acq: 3 Jul 2019 13:35

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 1516
 Ion Ratio Lower Upper
 202 100
 101 5.6 4.6 7.0
 203 17.1 13.7 20.5

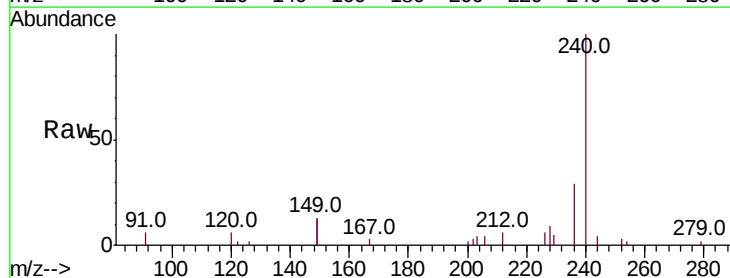


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

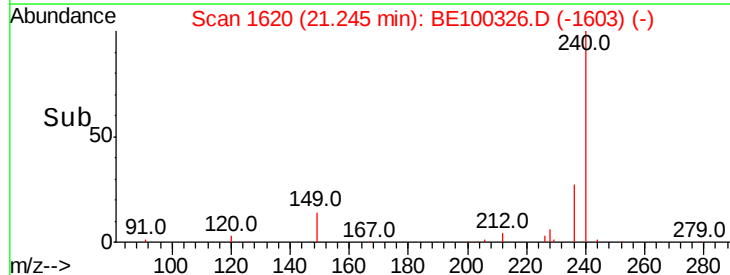
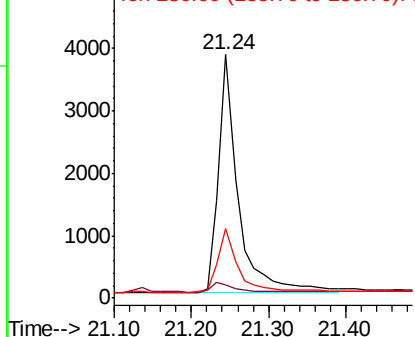


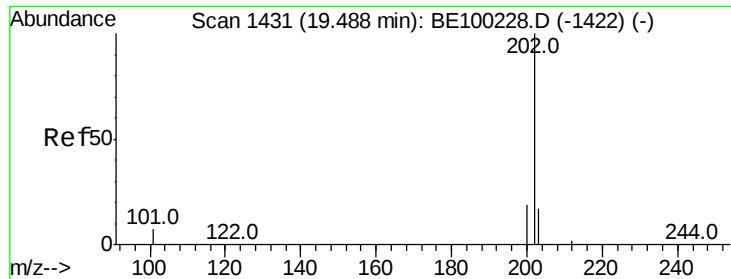
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100326.D
 Acq: 3 Jul 2019 13:35

Tgt Ion:240 Resp: 6864
 Ion Ratio Lower Upper
 240 100
 120 5.7 3.3 4.9#
 236 28.6 22.6 34.0



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

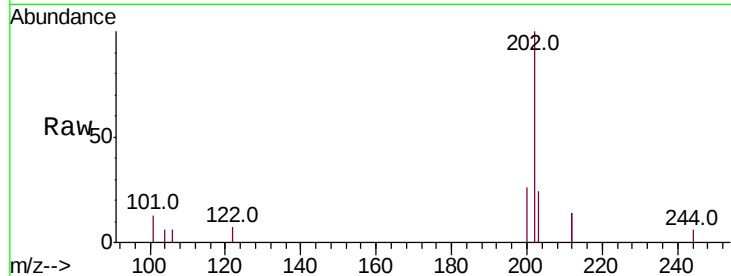




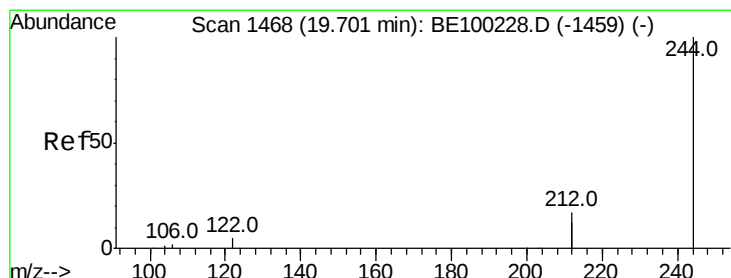
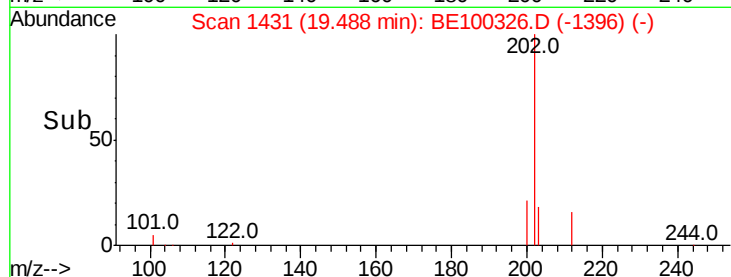
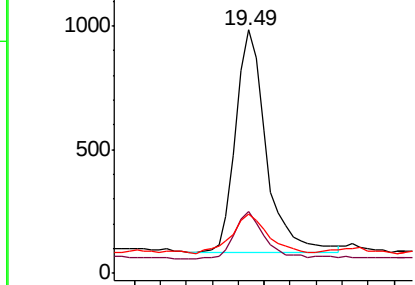
#28
 Pvrene
 Concen: 0.081 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: BE100326.D
 Acq: 3 Jul 2019 13:35

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 1480
 Ion Ratio Lower Upper
 202 100
 200 21.4 15.6 23.4
 203 20.9 14.0 21.0

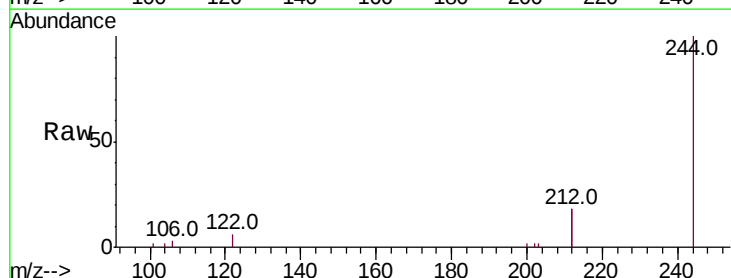


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

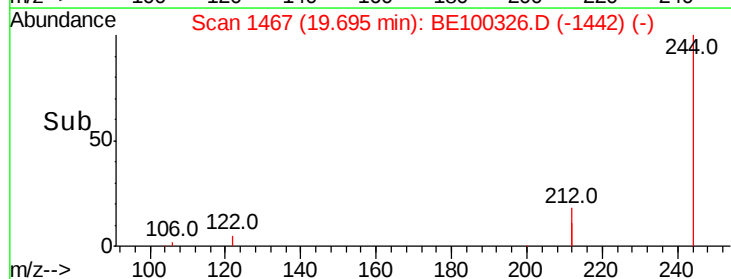
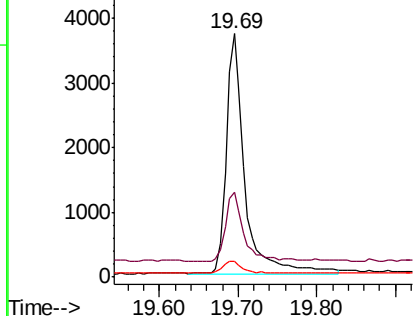


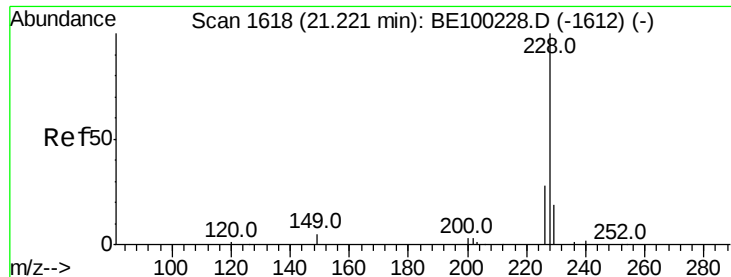
#29
 Terphenyl-d14
 Concen: 0.425 ng
 RT: 19.69 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BE100326.D
 Acq: 3 Jul 2019 13:35

Tgt Ion:244 Resp: 6047
 Ion Ratio Lower Upper
 244 100
 212 35.0 27.3 40.9
 122 6.5 4.7 7.1



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: 0.039 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Instrument :

BNA_E

ClientSampleId :

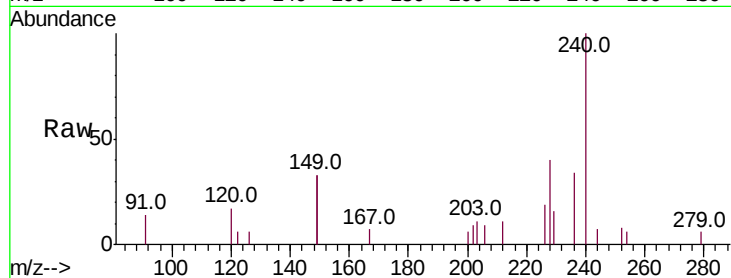
Tot Ion:228 Resp: 891

Ion Ratio Lower Upper

228 100

226 47.2 23.2 34.8#

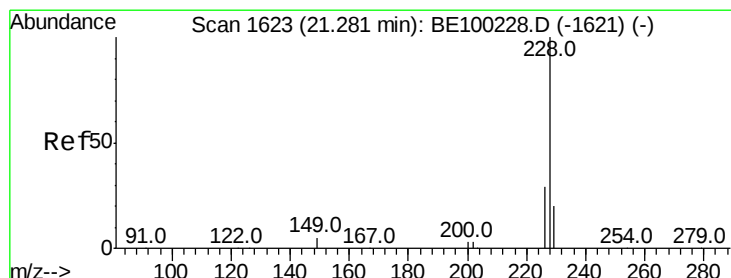
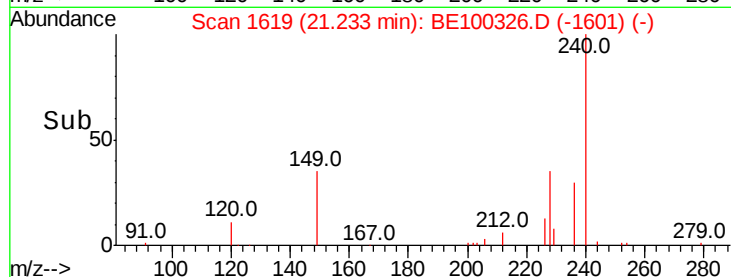
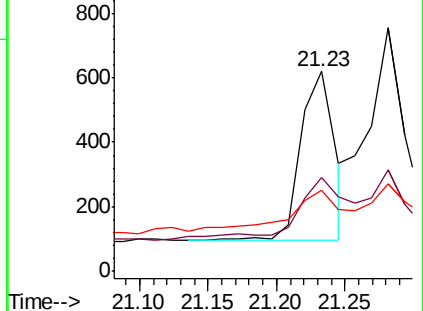
229 40.4 15.7 23.5#



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: 0.047 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

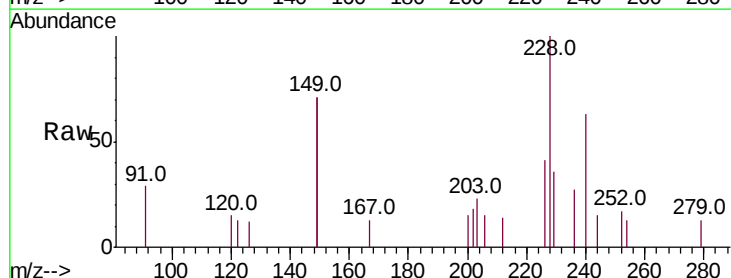
Tgt Ion:228 Resp: 1060

Ion Ratio Lower Upper

228 100

226 41.5 23.9 35.9#

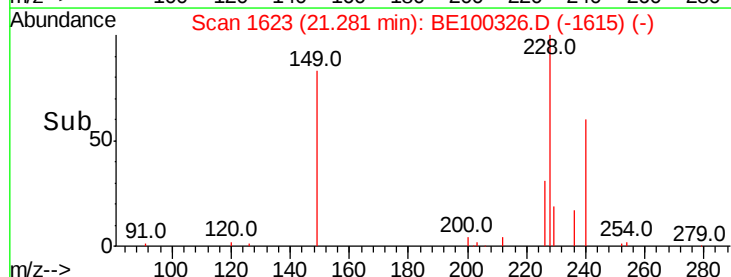
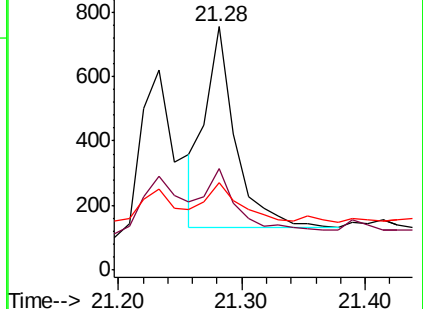
229 35.9 16.5 24.7#

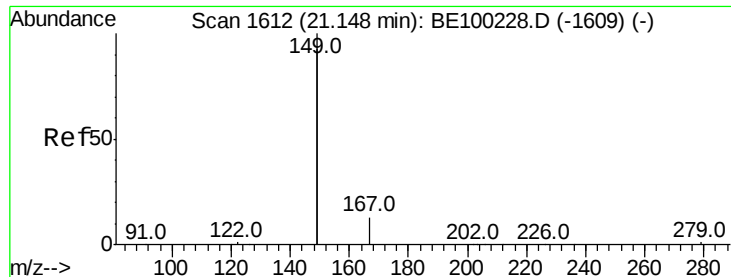


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.120 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Instrument :

BNA_E

ClientSampleId :

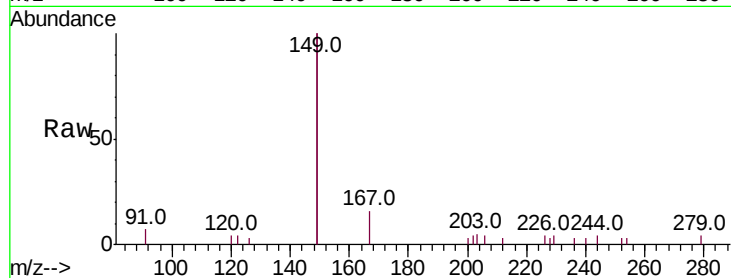
Tot Ion:149 Resp: 5670

Ion Ratio Lower Upper

149 100

167 8.1 5.8 8.8

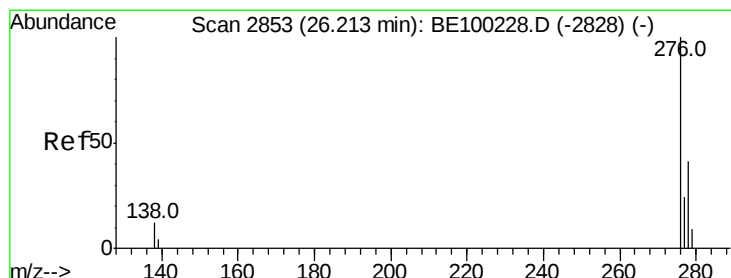
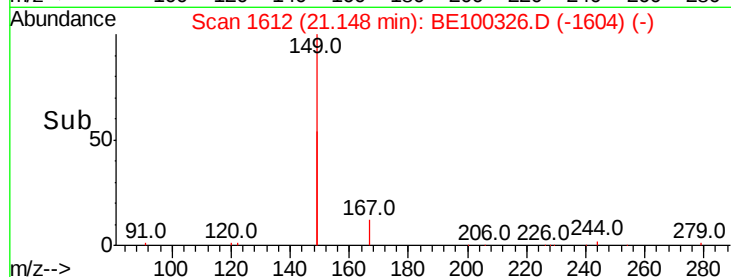
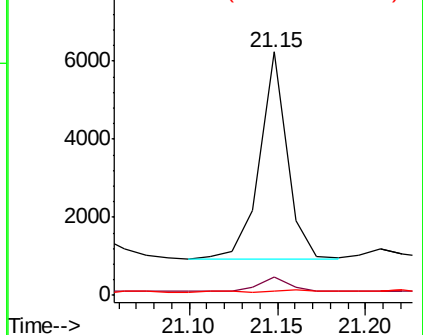
279 2.1 1.1 1.7#



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: 0.026 ng

RT: 26.23 min Scan# 2859

Delta R.T. 0.02 min

Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

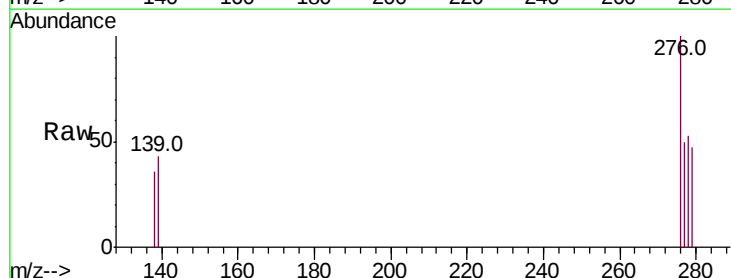
Tgt Ion:276 Resp: 778

Ion Ratio Lower Upper

276 100

138 6.3 9.4 14.0#

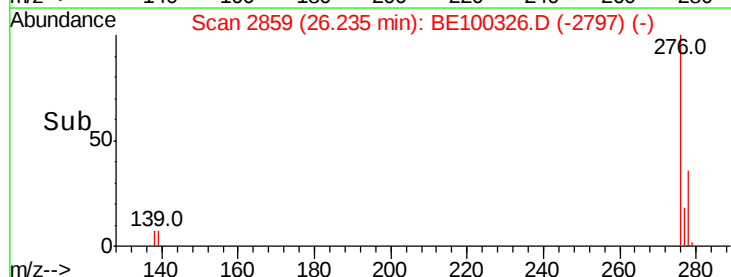
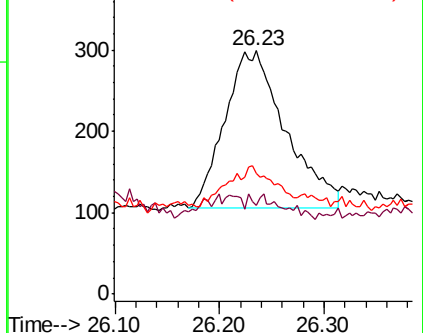
277 19.9 19.2 28.8

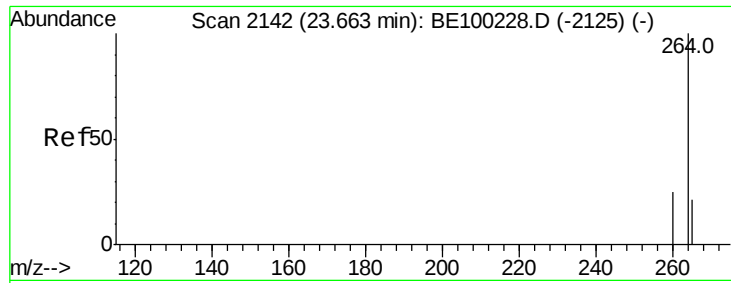


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

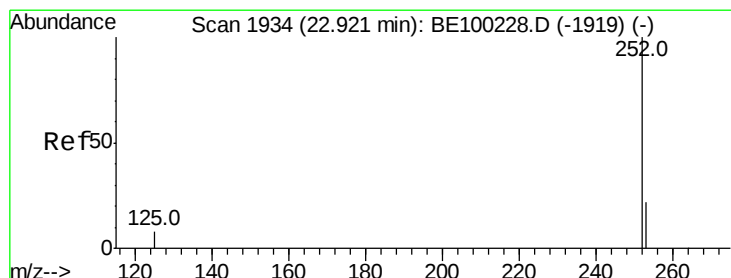
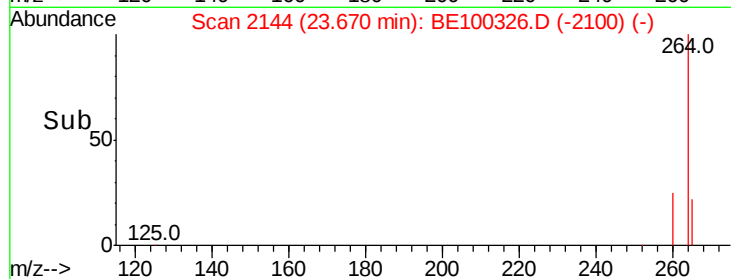
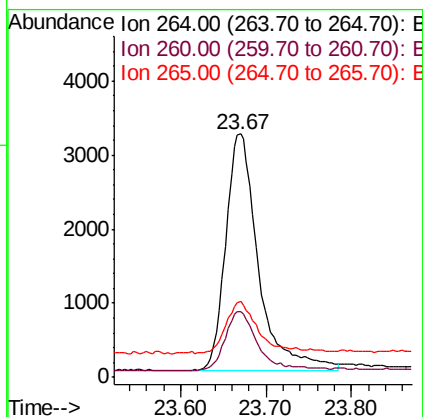
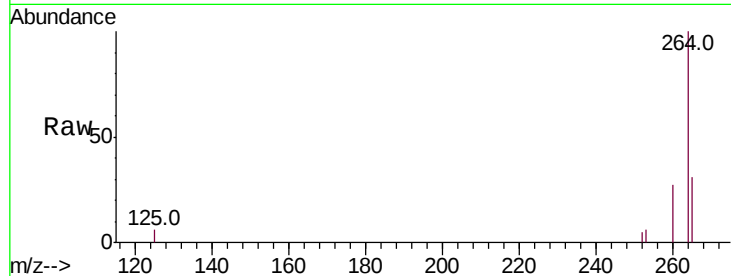




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

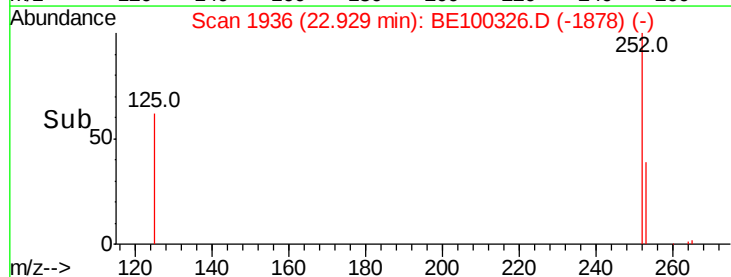
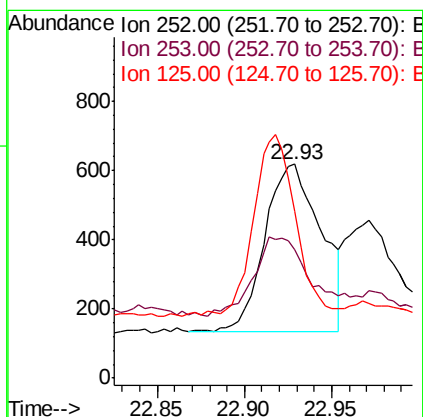
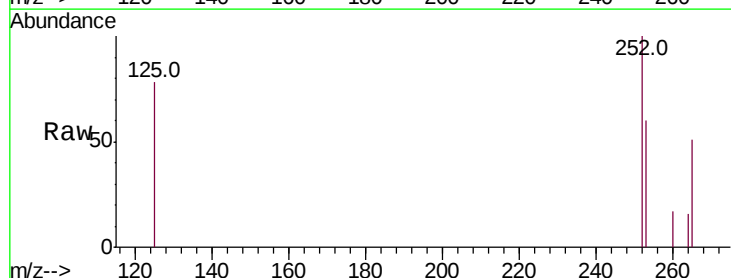
Instrument :
BNA_E
ClientSampleId :

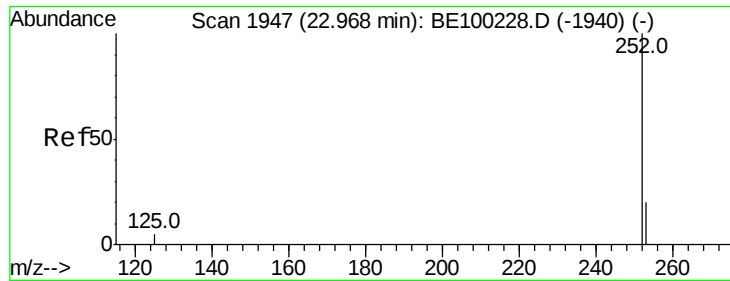
Tot Ion:264 Resp: 8536
Ion Ratio Lower Upper
264 100
260 26.9 20.8 31.2
265 31.0 21.8 32.6



#35
Benzo(b)fluoranthene
Concen: 0.047 ng
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

Tgt Ion:252 Resp: 1082
Ion Ratio Lower Upper
252 100
253 60.2 19.2 28.8#
125 77.8 7.4 11.0#

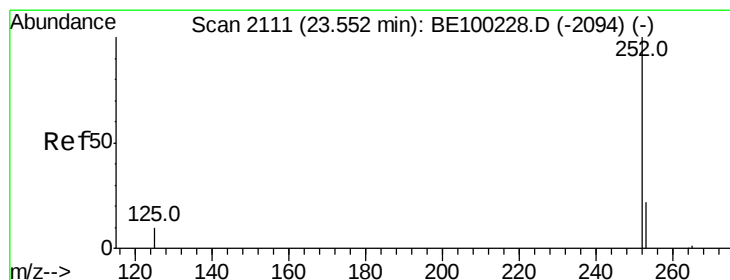
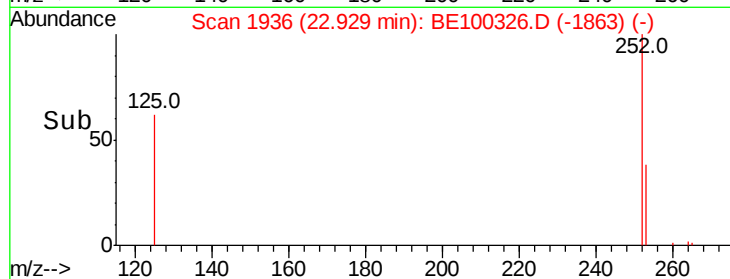
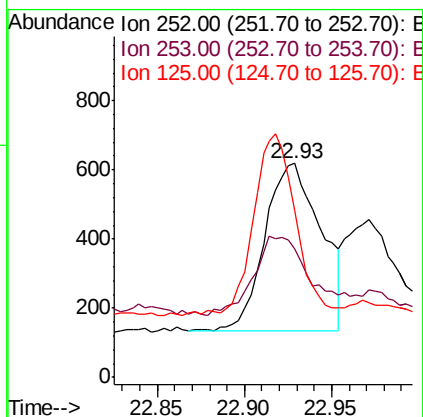
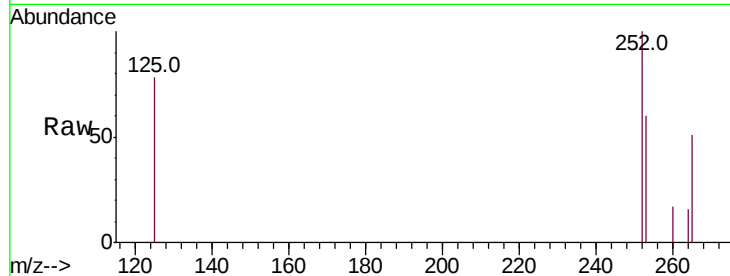




#36
Benzo(k)fluoranthene
Concen: 0.042 ng
RT: 22.93 min Scan# 1936
Delta R.T. -0.04 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

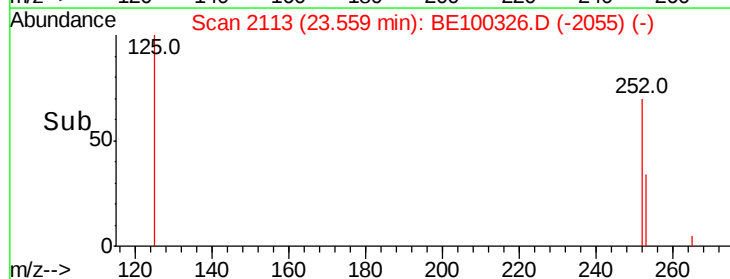
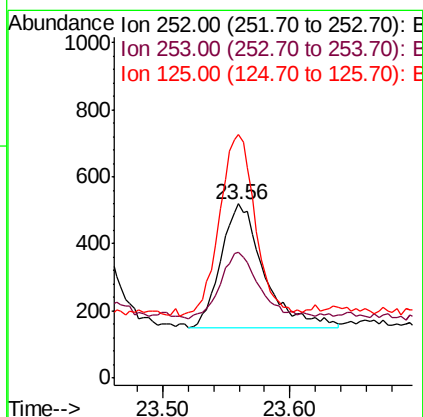
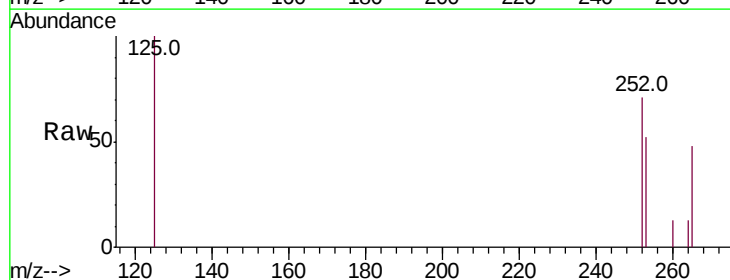
Instrument :
BNA_E
ClientSampleId :

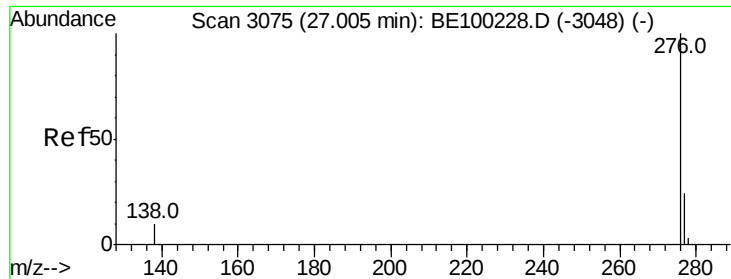
Tot Ion:252 Resp: 1082
Ion Ratio Lower Upper
252 100
253 60.2 17.9 26.9#
125 77.8 5.0 7.4#



#37
Benzo(a)pyrene
Concen: 0.038 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100326.D
Acq: 3 Jul 2019 13:35

Tgt Ion:252 Resp: 888
Ion Ratio Lower Upper
252 100
253 72.1 19.6 29.4#
125 139.9 9.0 13.6#





#39

Benzo(a,h,i)perylene

Concen: 0.039 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.01 min

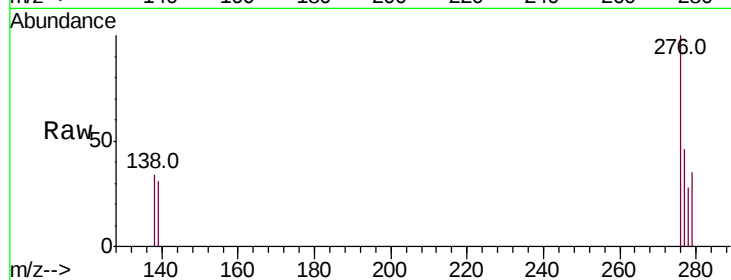
Lab File: BE100326.D

Acq: 3 Jul 2019 13:35

Instrument :

BNA_E

ClientSampleId :



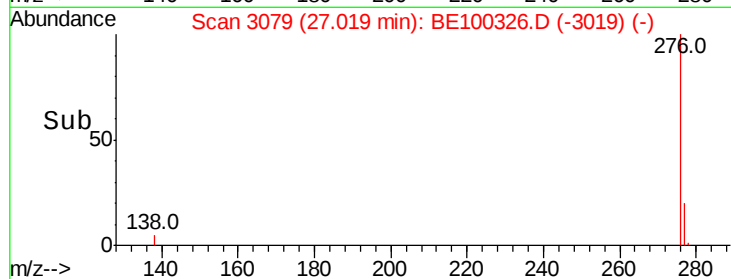
Tot Ion:276 Resp: 977

Ion Ratio Lower Upper

276 100

277 46.1 20.2 30.2#

138 34.1 9.0 13.6#



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

