

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111519\
 Data File : BE100736.D
 Acq On : 15 Nov 2019 14:26
 Operator : JU
 Sample : K5728-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 CS-001-4

Quant Time: Nov 15 22:31:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 15 15:55:40 2019
 Response via : Initial Calibration

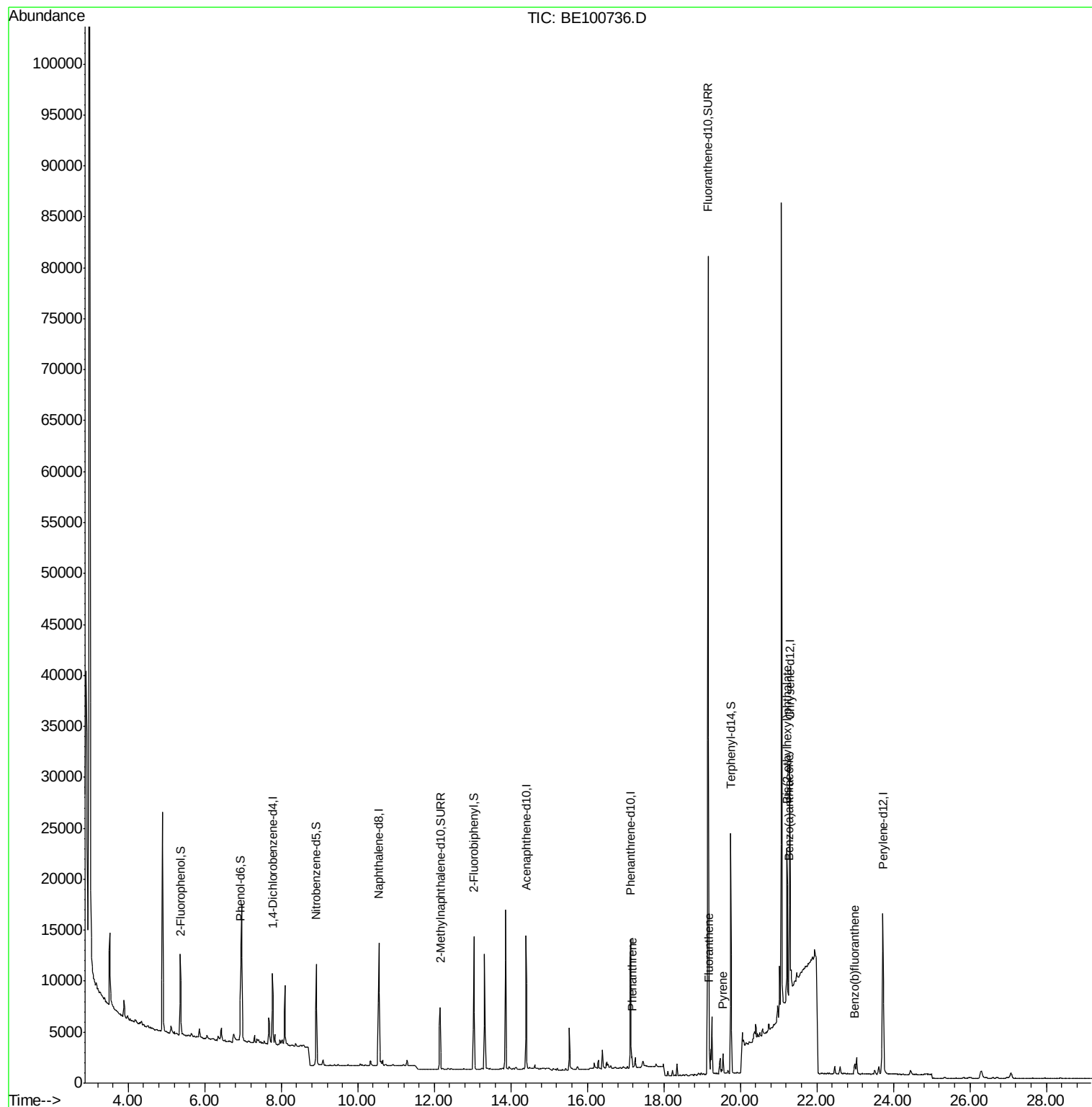
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	3248	0.40	ng	0.00
7) Naphthalene-d8	10.55	136	13327	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	8271	0.40	ng	-0.01
19) Phenanthrene-d10	17.13	188	19638	0.40	ng	0.00
27) Chrysene-d12	21.29	240	22036	0.40	ng	0.00
34) Perylene-d12	23.73	264	23275	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	3842	0.41	ng	0.00
5) Phenol-d6	6.94	99	5958	0.44	ng	0.00
8) Nitrobenzene-d5	8.91	82	3849	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	8308	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.92	330	4	0.02	ng	0.03
15) 2-Fluorobiphenyl	13.03	172	11391	0.38	ng	0.00
25) Fluoranthene-d10	19.16	212	101947	0.39	ng	0.00
29) Terphenyl-d14	19.75	244	21189	0.40	ng	0.00
Target Compounds						
23) Phenanthrene	17.17	178	1300	0.024	ng	# 92
26) Fluoranthene	19.18	202	1781	0.025	ng	# 87
28) Pyrene	19.55	202	1830	0.030	ng	96
30) Benzo(a)anthracene	21.28	228	1529	0.022	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.22	149	21543	0.172	ng	99
35) Benzo(b)fluoranthene	22.99	252	1630	0.024	ng	# 60

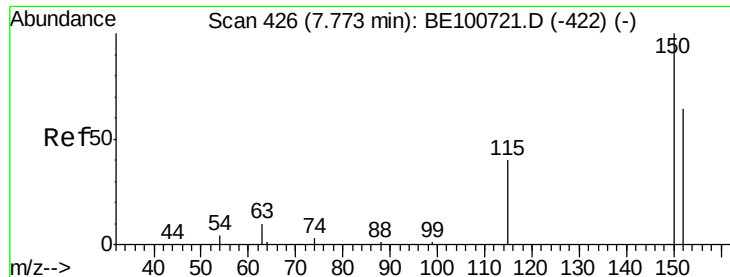
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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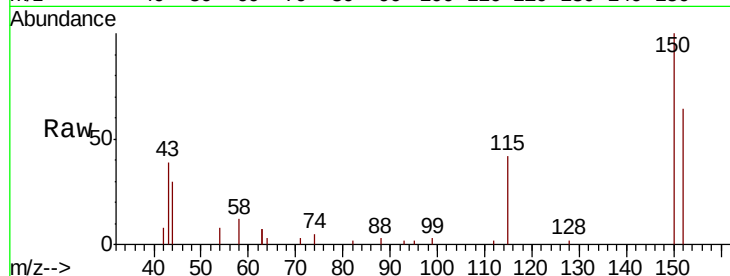


#1

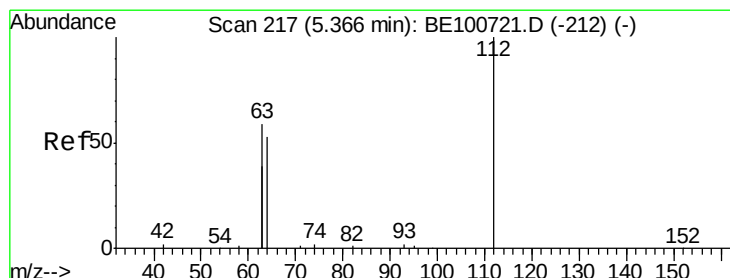
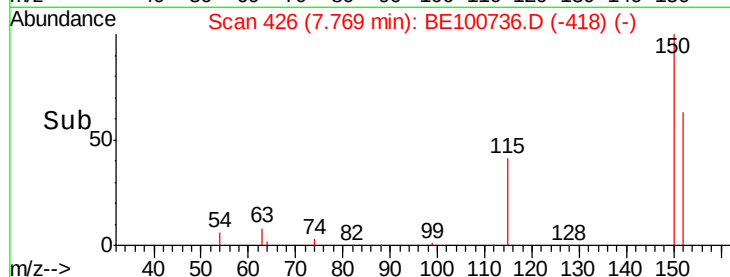
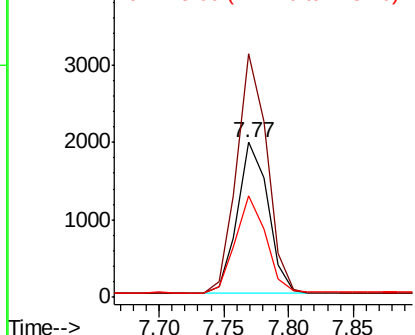
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Instrument :
BNA_E
ClientSampleId :
CS-001-4

Tot Ion:152 Resp: 3248
Ion Ratio Lower Upper
152 100
150 157.3 123.4 185.0
115 65.8 52.1 78.1



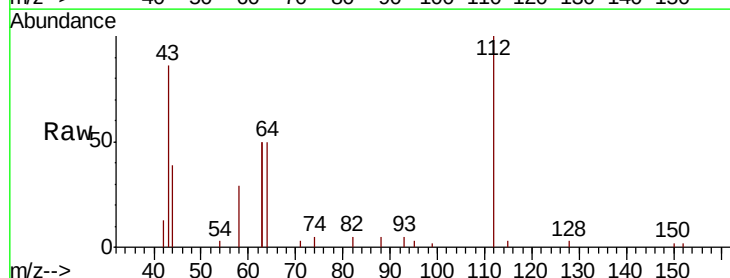
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



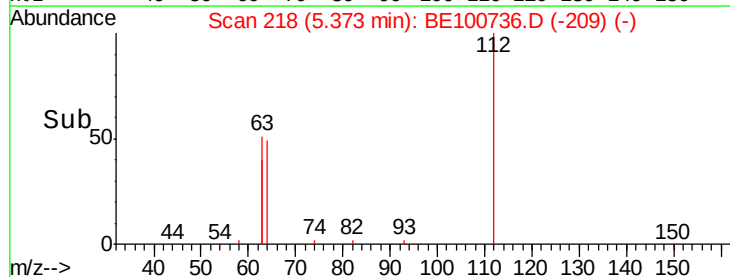
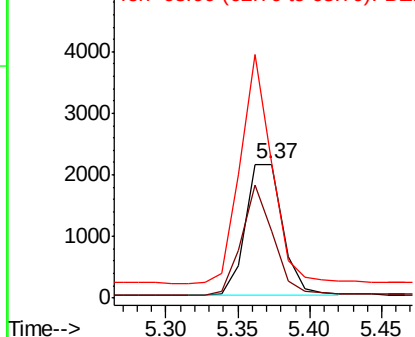
#4

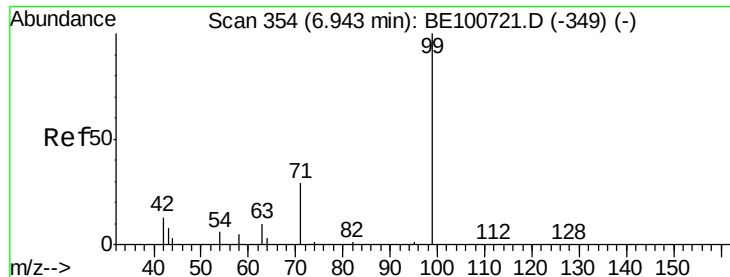
2-Fluorophenol
Concen: 0.405 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.01 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Tgt Ion:112 Resp: 3842
Ion Ratio Lower Upper
112 100
64 70.5 58.3 87.5
63 147.5 115.4 173.2



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: 0.444 ng

RT: 6.94 min Scan# 354

Delta R.T. -0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

Instrument :

BNA_E

ClientSampleId :

CS-001-4

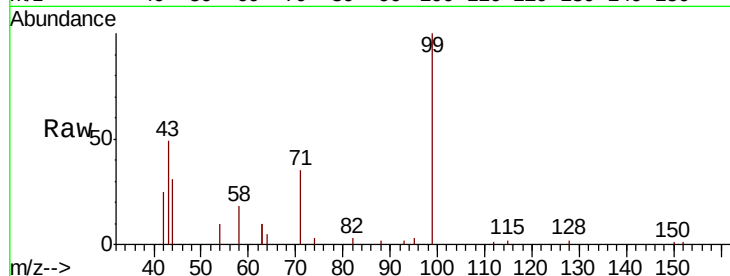
Tot Ion: 99 Resp: 5958

Ion Ratio Lower Upper

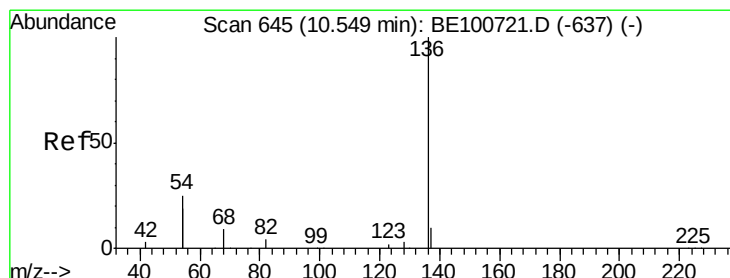
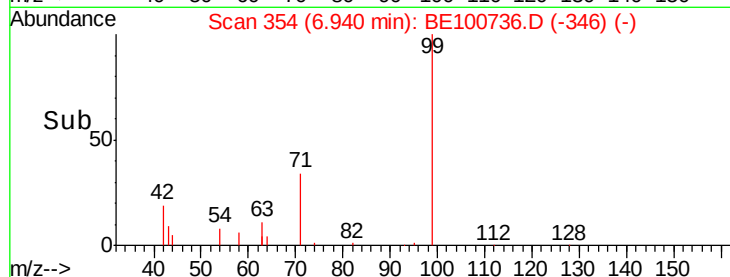
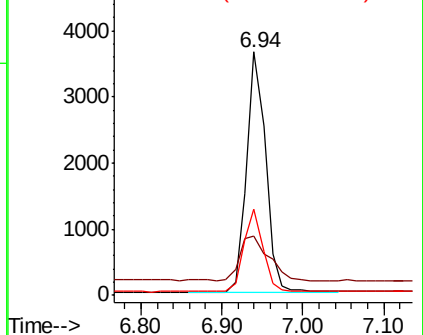
99 100

42 27.8 17.8 26.6#

71 34.1 27.3 40.9



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: 10.55 min Scan# 646

Delta R.T. 0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

Tgt Ion: 136 Resp: 13327

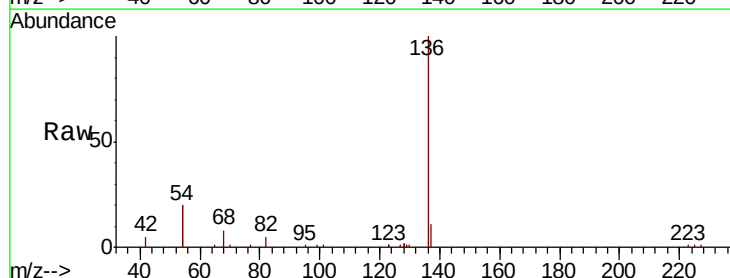
Ion Ratio Lower Upper

136 100

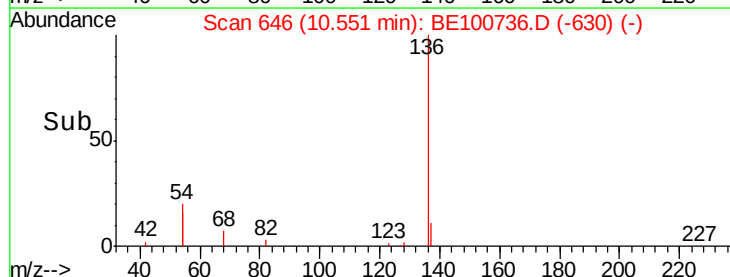
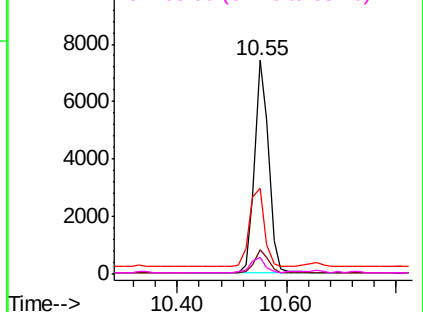
137 11.3 9.1 13.7

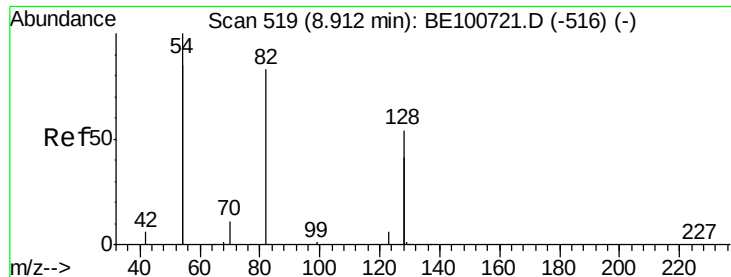
54 40.2 39.0 58.6

68 7.7 7.8 11.8#



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

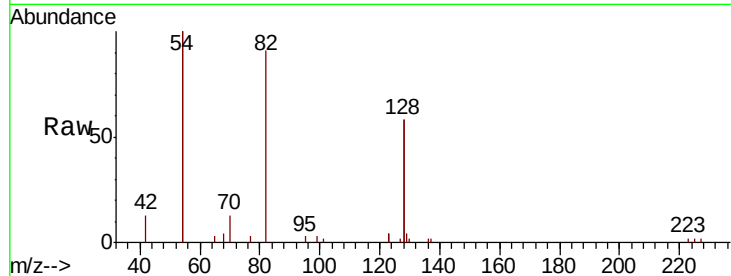




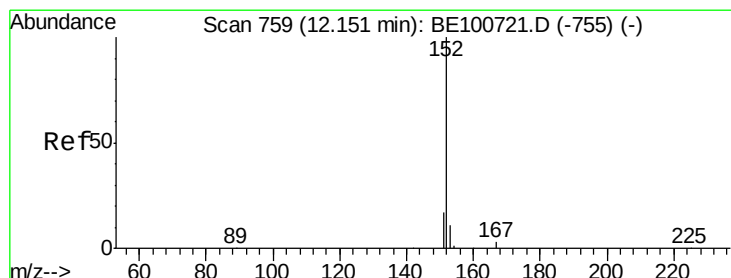
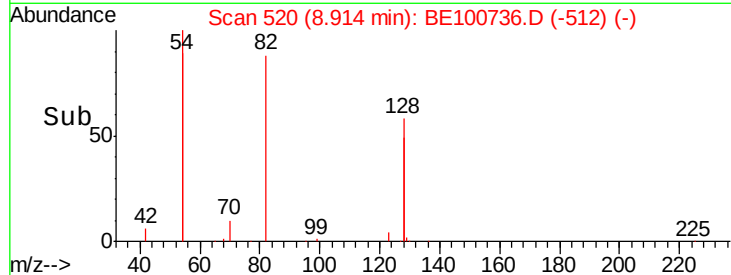
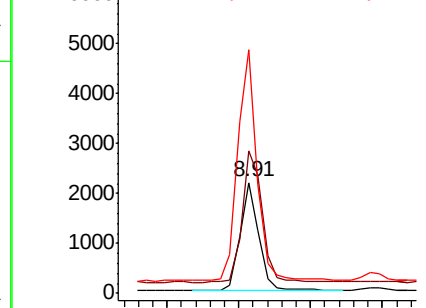
#8
 Nitrobenzene-d5
 Concen: 0.340 ng
 RT: 8.91 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BE100736.D
 Acq: 15 Nov 2019 14:26

Instrument :
 BNA_E
 ClientSampleId :
 CS-001-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	128.6	99.6	149.4
54	219.9	183.8	275.8

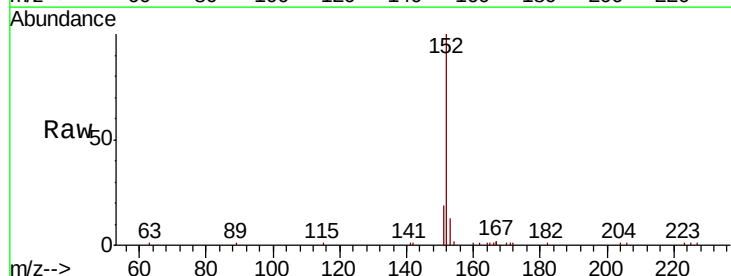


Abundance Ion 82.00 (81.70 to 82.70): BE1
 Ion 128.00 (127.70 to 128.70): BE1
 Ion 54.00 (53.70 to 54.70): BE1

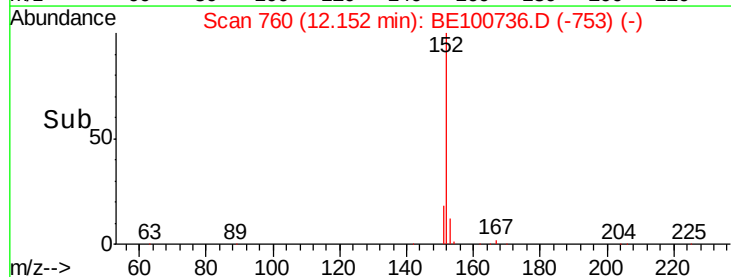
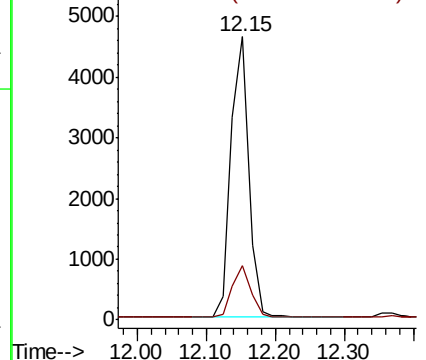


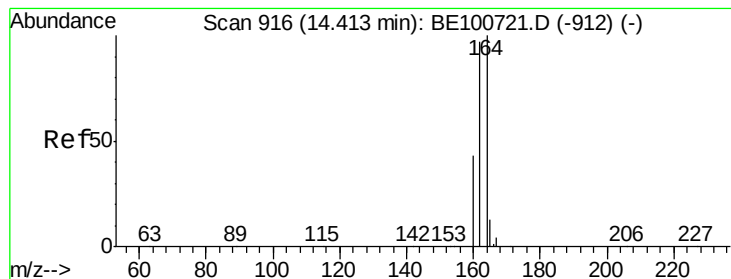
#11
 2-Methylnaphthalene-d10
 Concen: 0.391 ng
 RT: 12.15 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: BE100736.D
 Acq: 15 Nov 2019 14:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	14.2	21.4



Abundance Ion 152.00 (151.70 to 152.70): BE1
 Ion 151.00 (150.70 to 151.70): BE1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

Instrument :

BNA_E

ClientSampleId :

CS-001-4

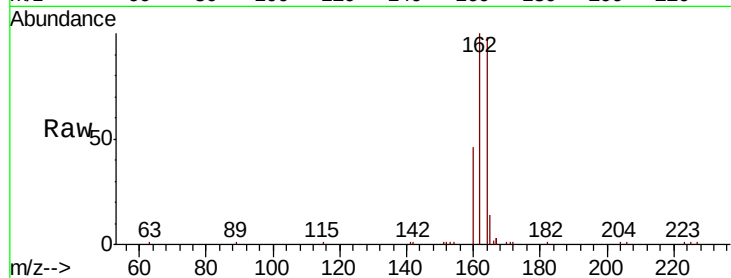
Tot Ion:164 Resp: 8271

Ion Ratio Lower Upper

164 100

162 101.7 77.8 116.8

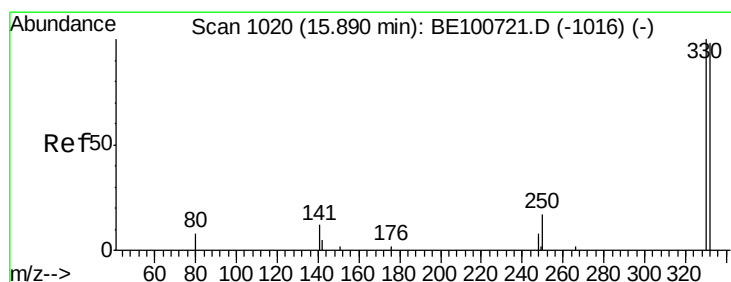
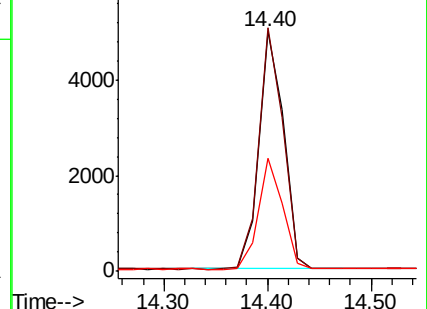
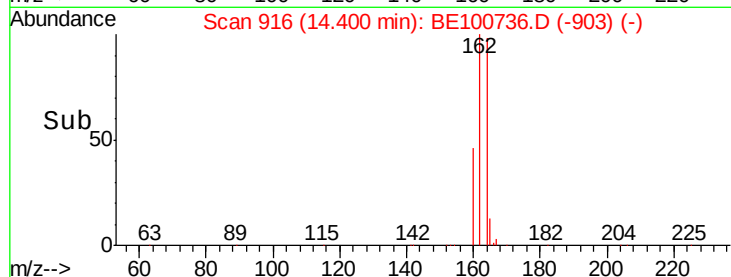
160 46.9 35.3 52.9



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: 0.016 ng

RT: 15.92 min Scan# 1023

Delta R.T. 0.03 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

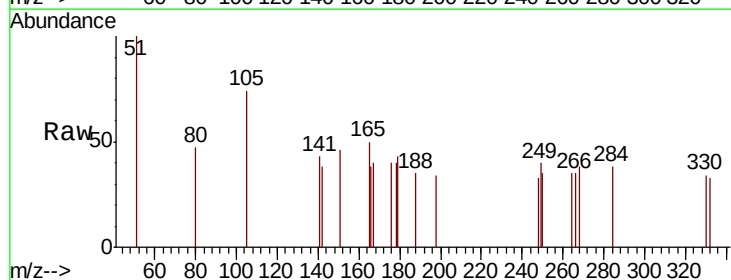
Tgt Ion:330 Resp: 4

Ion Ratio Lower Upper

330 100

332 0.0 85.0 127.6#

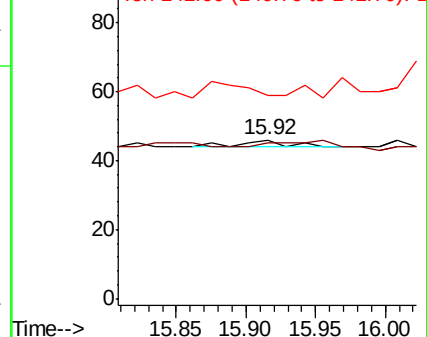
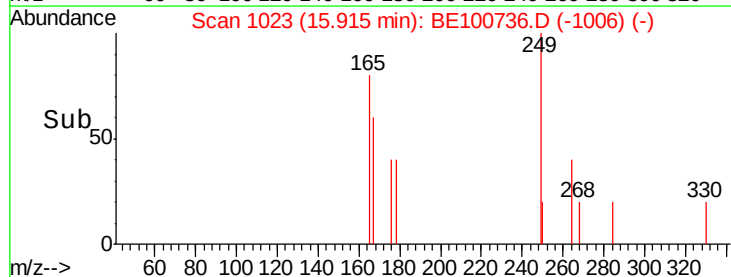
141 0.0 28.2 42.2#

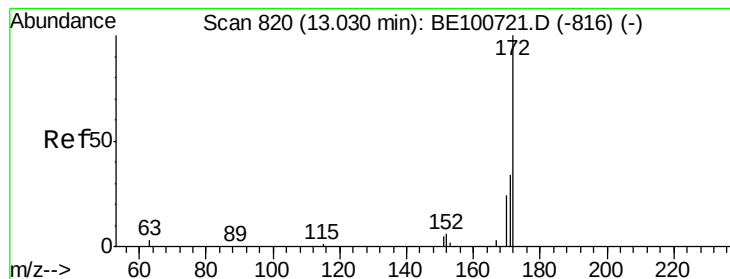


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

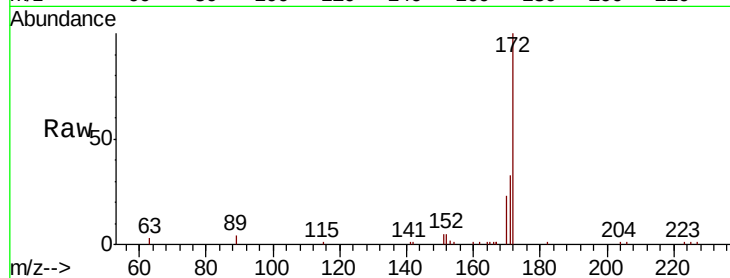




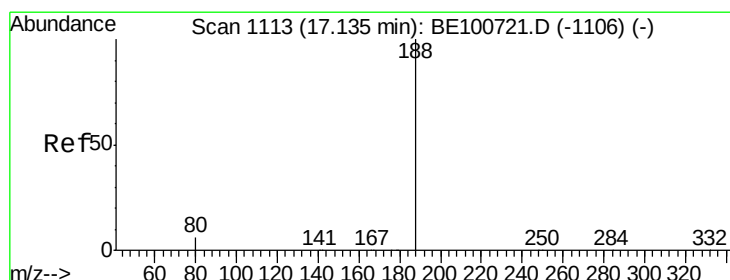
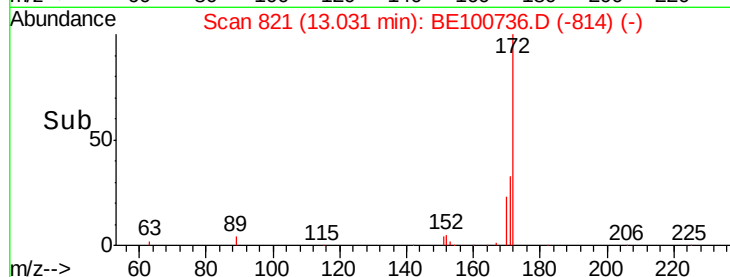
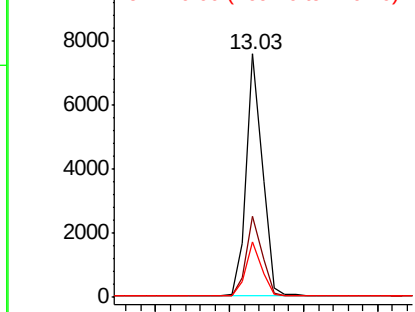
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 13.03 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Instrument :
BNA_E
ClientSampleId :
CS-001-4

Tot Ion:172 Resp: 11391
Ion Ratio Lower Upper
172 100
171 33.3 28.1 42.1
170 23.0 19.8 29.6

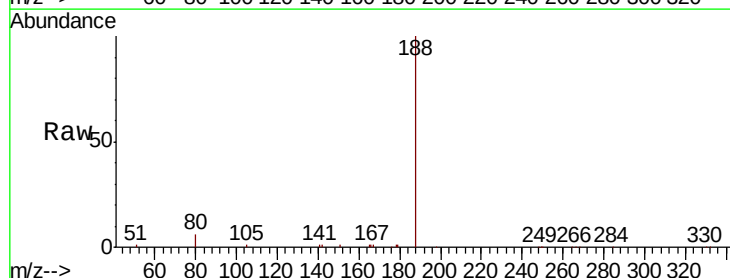


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

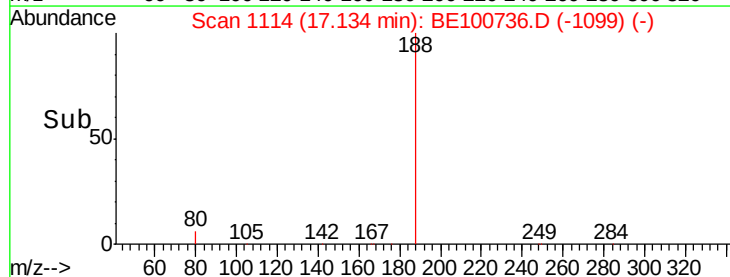
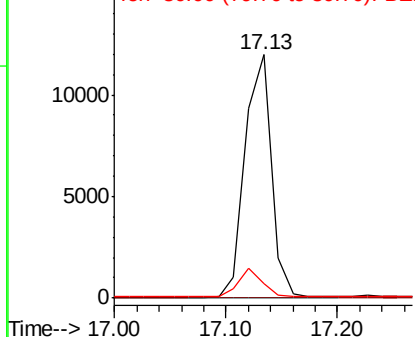


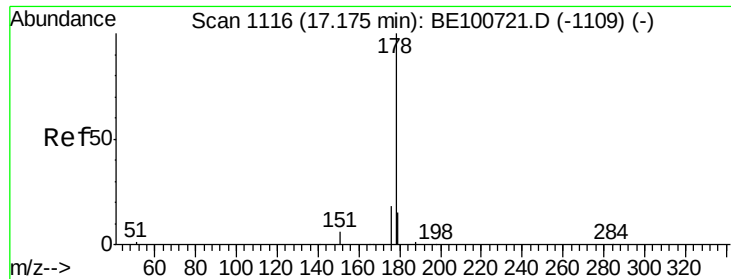
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Tgt Ion:188 Resp: 19638
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.1 5.4 8.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE1
Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 0.024 ng

RT: 17.17 min Scan# 1117

Delta R.T. -0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

Instrument :

BNA_E

ClientSampleId :

CS-001-4

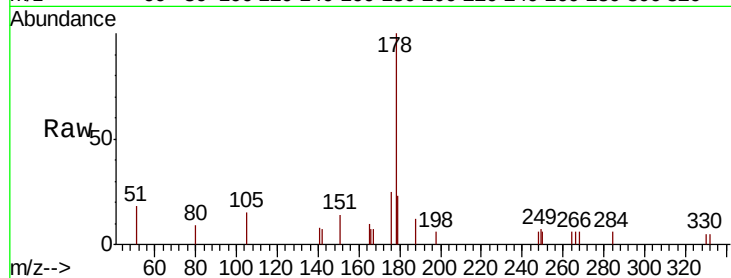
Tot Ion:178 Resp: 1300

Ion Ratio Lower Upper

178 100

176 20.0 15.0 22.4

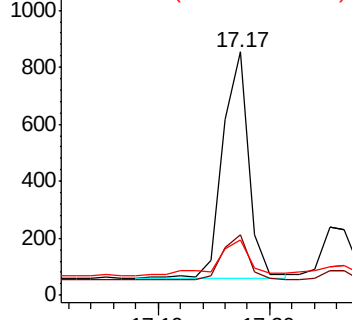
179 22.1 12.6 18.8#



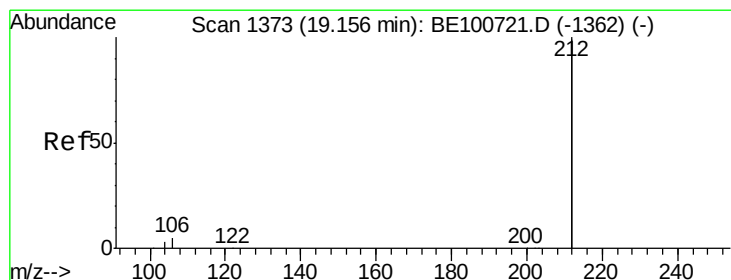
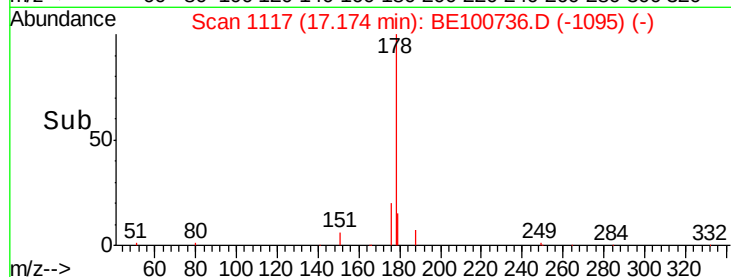
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.393 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

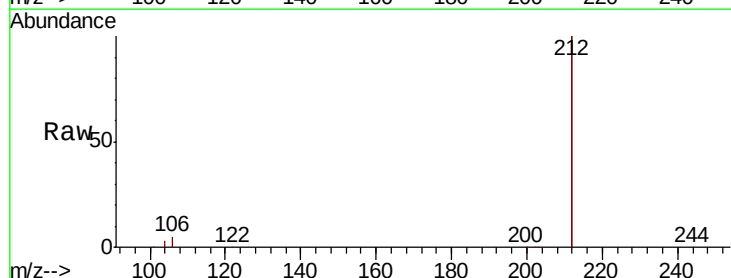
Tgt Ion:212 Resp: 101947

Ion Ratio Lower Upper

212 100

106 2.6 2.2 3.4

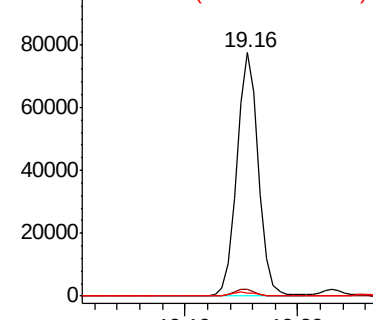
104 1.5 1.2 1.8



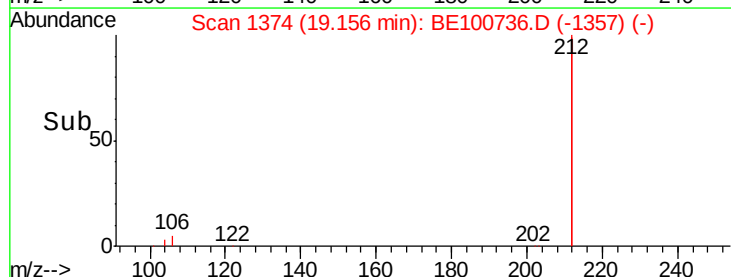
Abundance Ion 212.00 (211.70 to 212.70): E

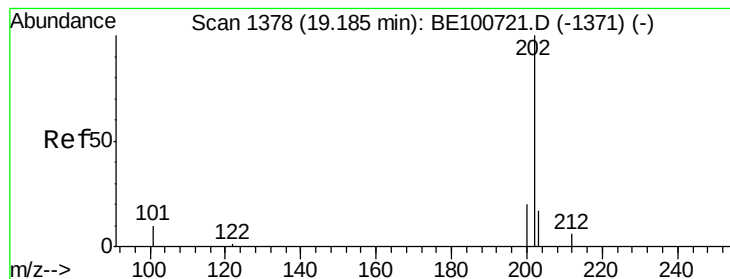
Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->





#26

Fluoranthene

Concen: 0.025 ng

RT: 19.18 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

Instrument :

BNA_E

ClientSampleId :

CS-001-4

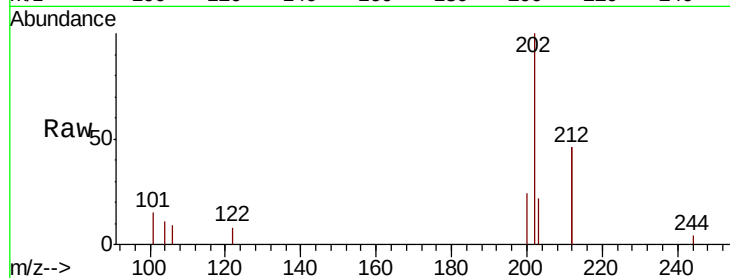
Tot Ion:202 Resp: 1781

Ion Ratio Lower Upper

202 100

101 0.0 8.6 12.8#

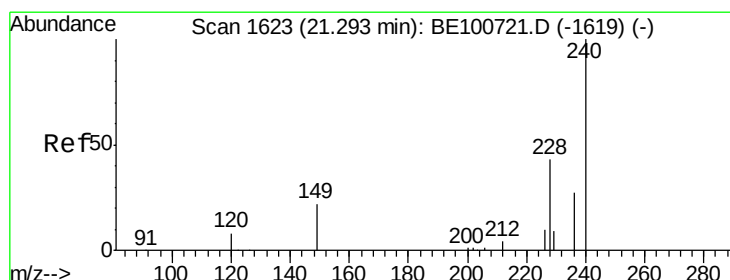
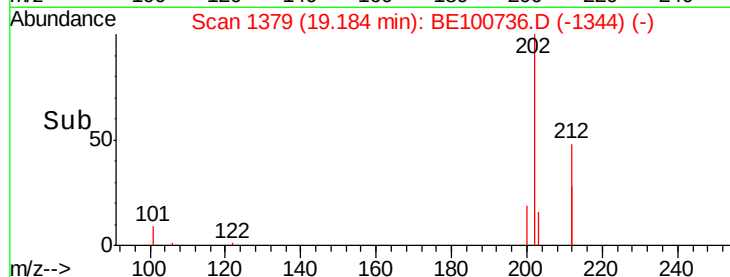
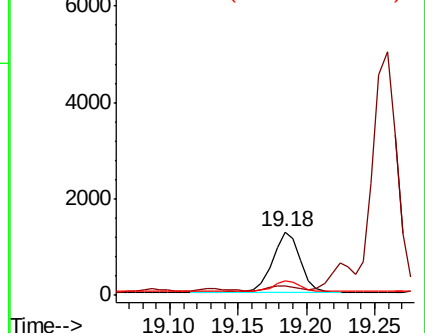
203 18.6 13.6 20.4



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: 21.29 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

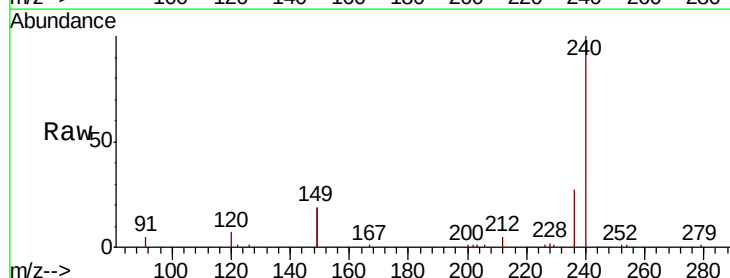
Tgt Ion:240 Resp: 22036

Ion Ratio Lower Upper

240 100

120 7.2 7.4 11.0#

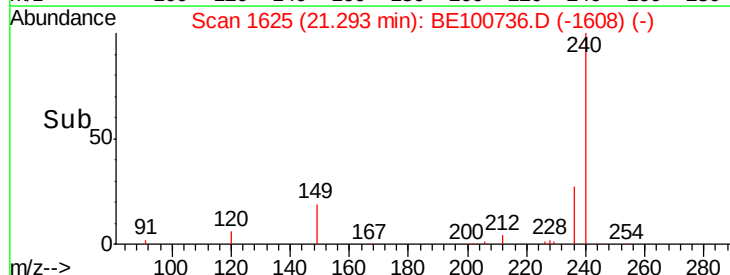
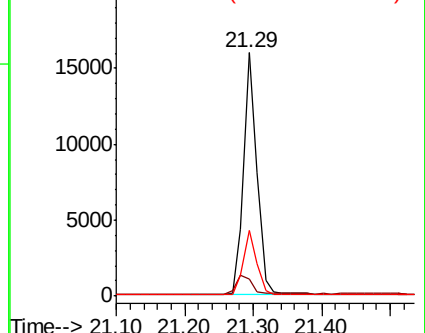
236 27.1 21.8 32.6

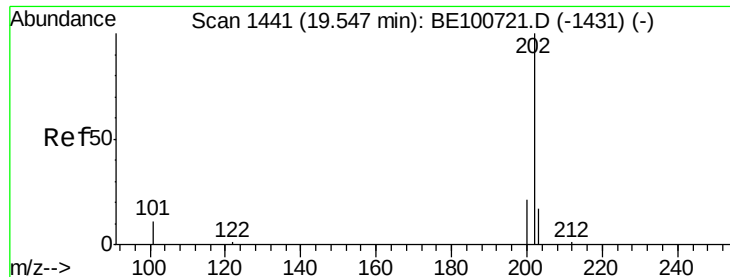


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

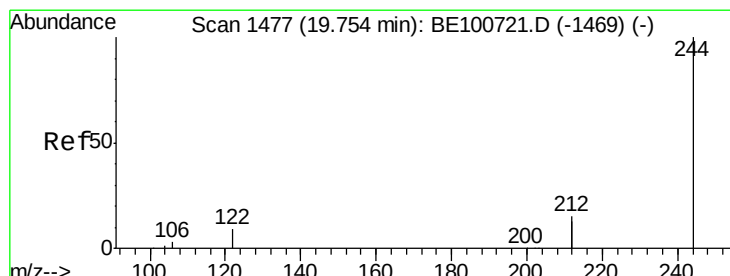
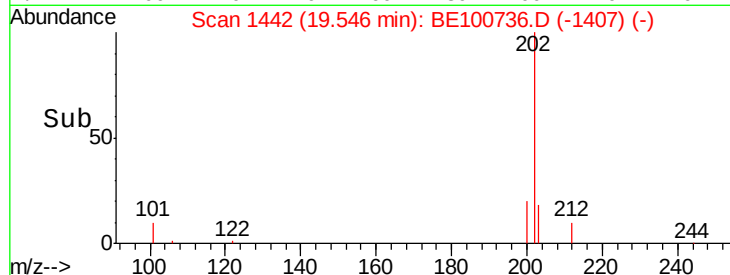
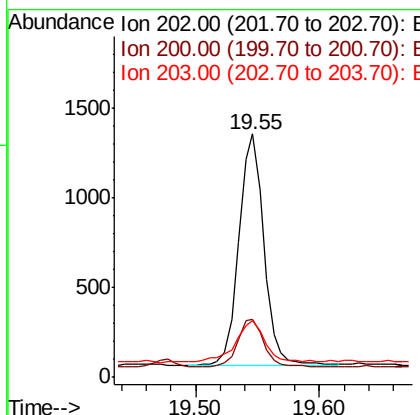
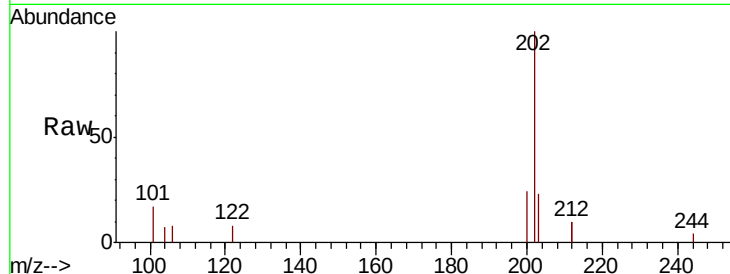




#28
Pvrene
Concen: 0.030 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

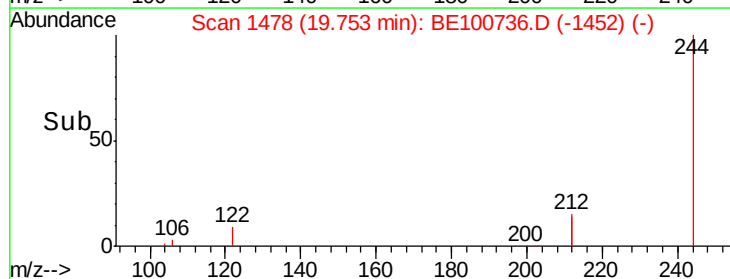
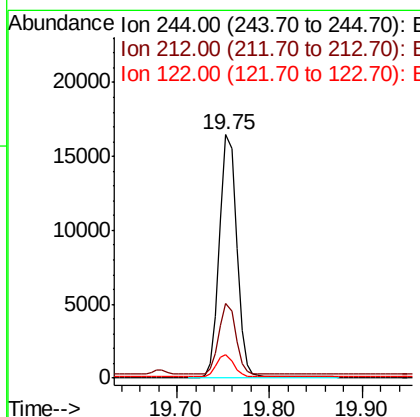
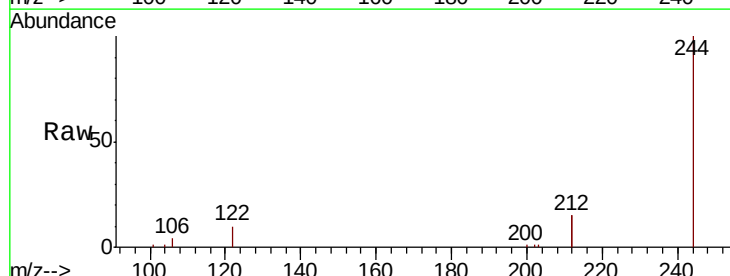
Instrument :
BNA_E
ClientSampleId :
CS-001-4

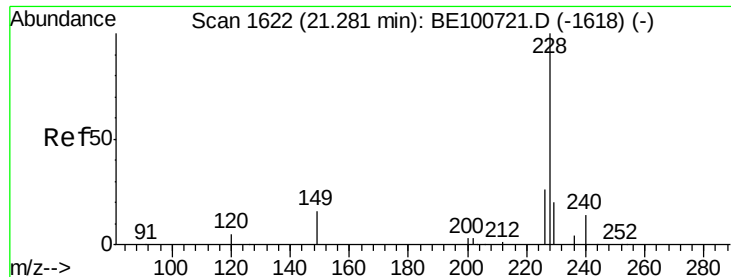
Tot Ion:202 Resp: 1830
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.4
203 20.6 14.0 21.0



#29
Terphenyl-d14
Concen: 0.403 ng
RT: 19.75 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Tgt Ion:244 Resp: 21189
Ion Ratio Lower Upper
244 100
212 30.8 24.3 36.5
122 9.8 7.6 11.4





#30

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.28 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

Instrument :

BNA_E

ClientSampleId :

CS-001-4

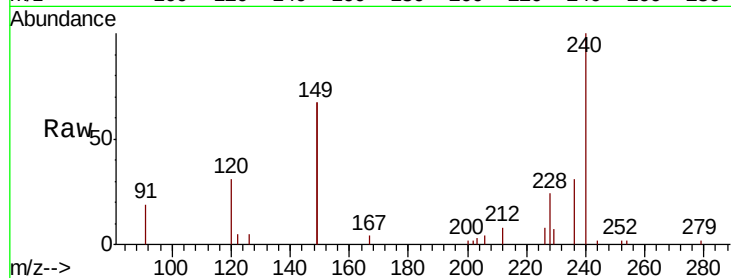
Tot Ion:228 Resp: 1529

Ion Ratio Lower Upper

228 100

226 32.3 21.1 31.7#

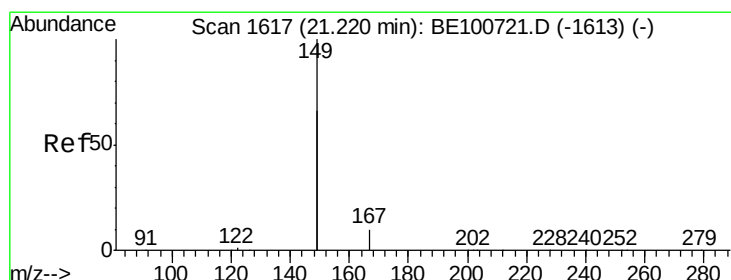
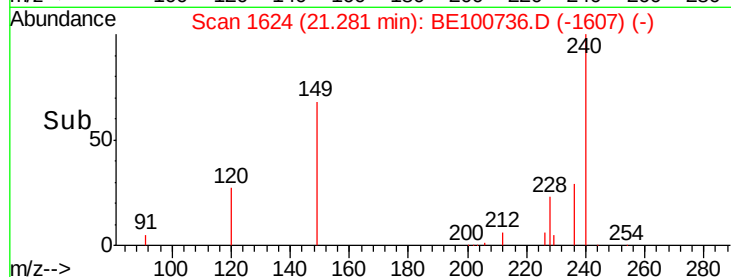
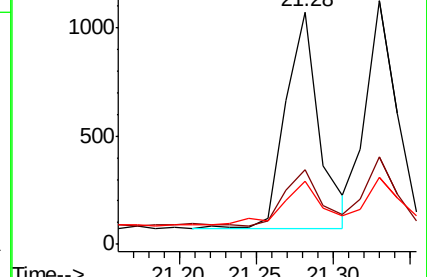
229 27.2 15.9 23.9#



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: 0.172 ng

RT: 21.22 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100736.D

Acq: 15 Nov 2019 14:26

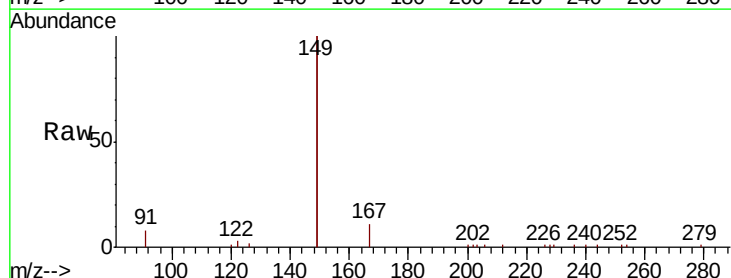
Tgt Ion:149 Resp: 21543

Ion Ratio Lower Upper

149 100

167 7.0 5.2 7.8

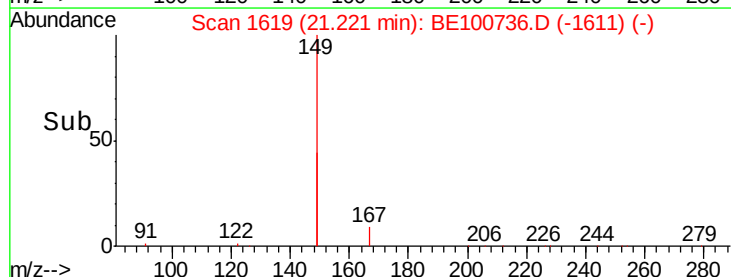
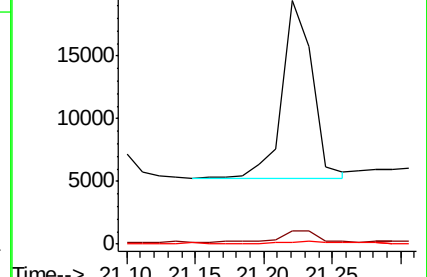
279 1.0 0.9 1.3

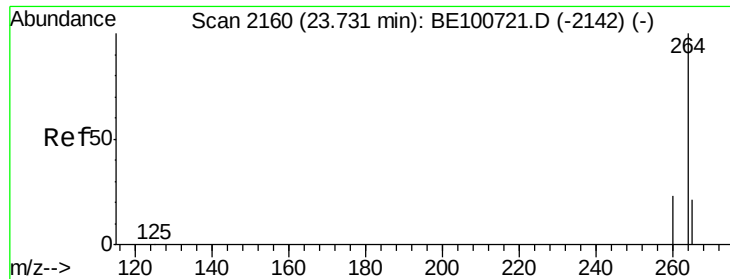


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

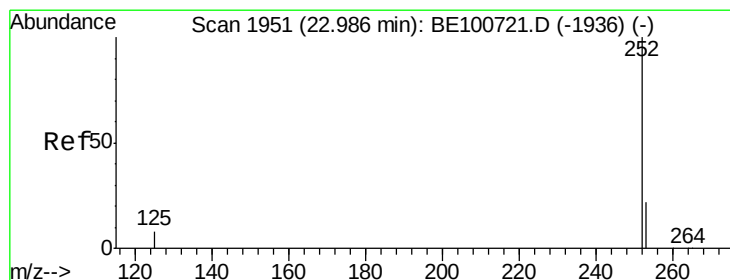
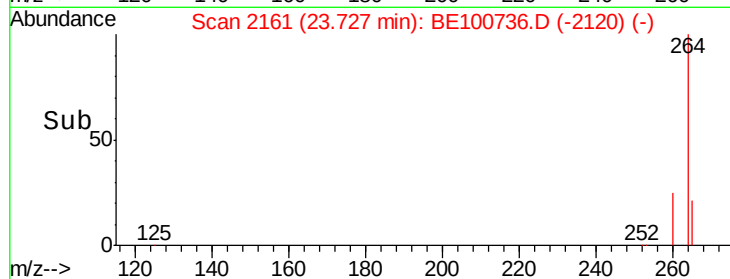
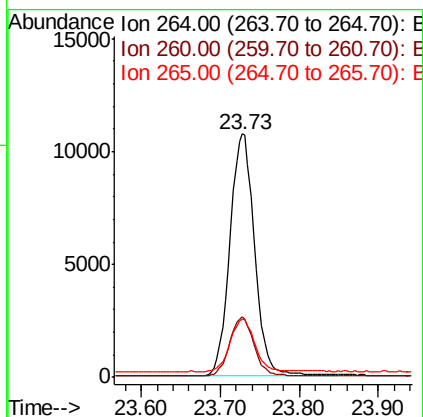
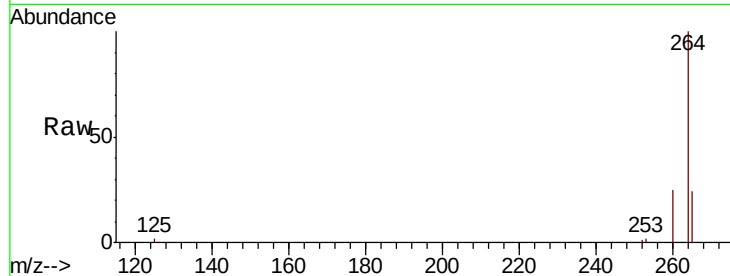




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Instrument :
BNA_E
ClientSampleId :
CS-001-4

Tot Ion:264 Resp: 23275
Ion Ratio Lower Upper
264 100
260 25.1 19.1 28.7
265 23.7 19.7 29.5



#35
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 22.99 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE100736.D
Acq: 15 Nov 2019 14:26

Tgt Ion:252 Resp: 1630
Ion Ratio Lower Upper
252 100
253 37.9 18.7 28.1#
125 32.5 7.0 10.4#

