

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070319\
 Data File : BE100344.D
 Acq On : 4 Jul 2019 00:33
 Operator : JU/SJ
 Sample : K3560-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-009-B219-062419

Quant Time: Jul 04 02:39:19 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	524	0.40	ng	-0.01
7) Naphthalene-d8	10.43	136	1750	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1412	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	4631	0.40	ng	0.00
27) Chrysene-d12	21.25	240	6535	0.40	ng	0.00
34) Perylene-d12	23.66	264	7933	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	520	0.39	ng	0.00
5) Phenol-d6	6.82	99	636	0.36	ng	-0.01
8) Nitrobenzene-d5	8.81	82	578	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1126	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	411	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	1718	0.31	ng	-0.01
25) Fluoranthene-d10	19.09	212	21187	0.32	ng	0.00
29) Terphenyl-d14	19.69	244	4687	0.35	ng	-0.01

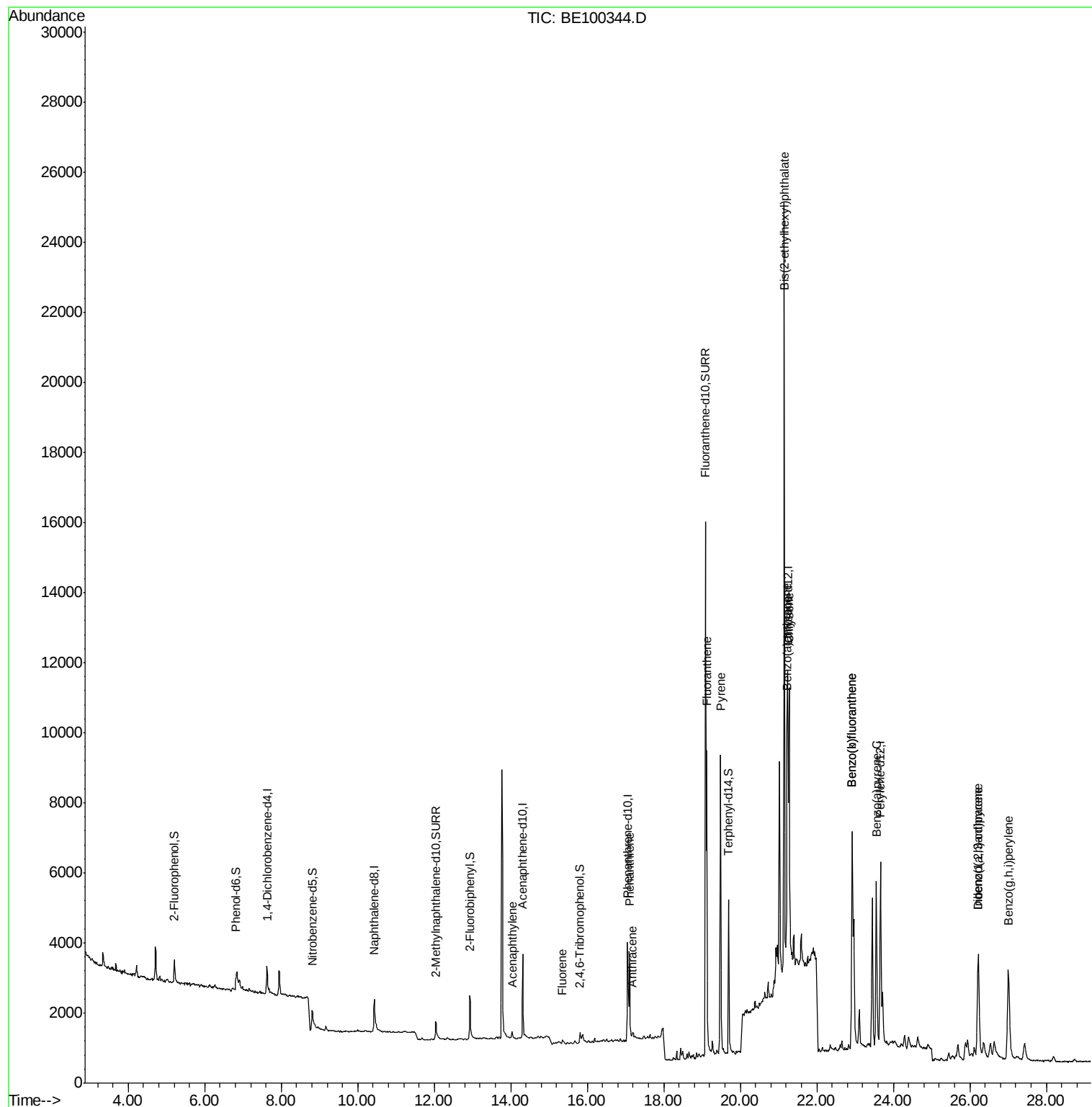
Target Compounds				Qvalue		
16) Acenaphthylene	14.04	152	290	0.043	ng	# 92
18) Fluorene	15.35	166	116	0.020	ng	# 72
23) Phenanthrene	17.09	178	2961	0.264	ng	# 97
24) Anthracene	17.19	178	289	0.029	ng	# 87
26) Fluoranthene	19.12	202	8202	0.459	ng	# 99
28) Pyrene	19.48	202	8940	0.517	ng	# 96
30) Benzo(a)anthracene	21.22	228	6734	0.313	ng	# 94
31) Chrysene	21.28	228	8598	0.398	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.15	149	23270	0.709	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.21	276	6641	0.233	ng	# 96
35) Benzo(b)fluoranthene	22.92	252	12064	0.561	ng	# 96
36) Benzo(k)fluoranthene	22.92	252	12064	0.502	ng	# 91
37) Benzo(a)pyrene	23.55	252	8132	0.377	ng	# 95
38) Dibenzo(a,h)anthracene	26.23	278	1475	0.066	ng	# 59
39) Benzo(g,h,i)perylene	27.01	276	7346	0.318	ng	# 93

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

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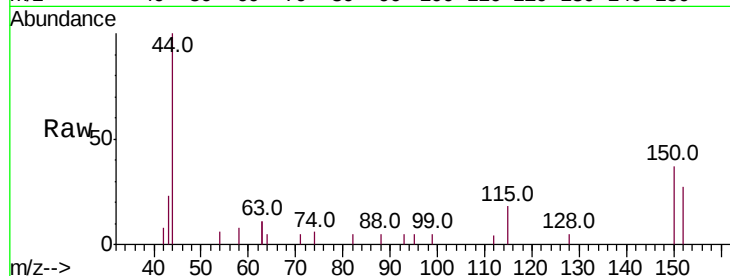


#1

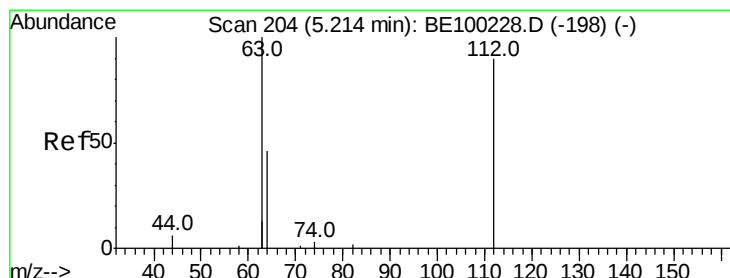
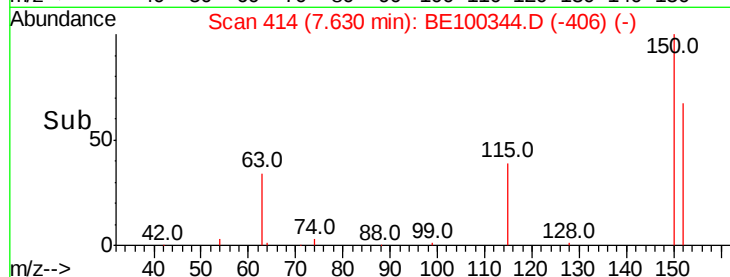
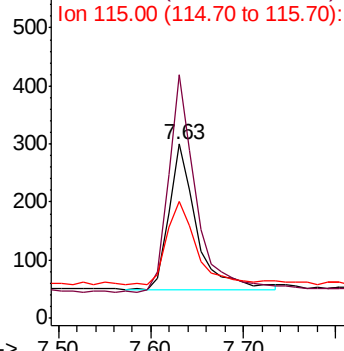
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.63 min Scan# 414
Delta R.T. -0.01 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion:152 Resp: 524
Ion Ratio Lower Upper
152 100
150 139.7 114.5 171.7
115 67.3 57.1 85.7



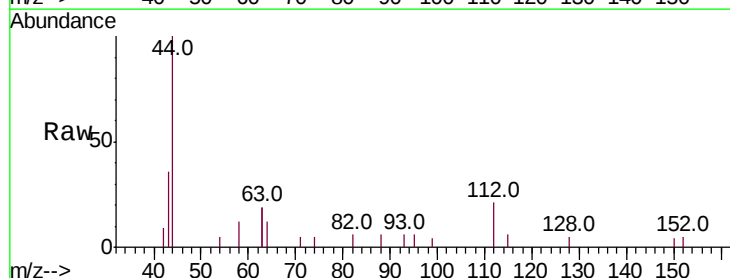
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



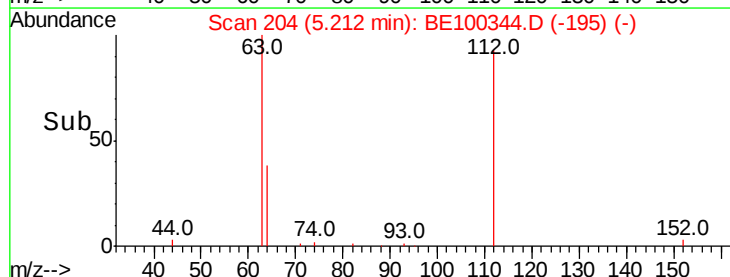
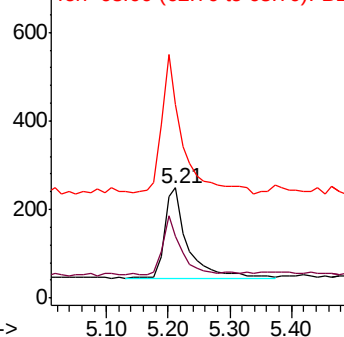
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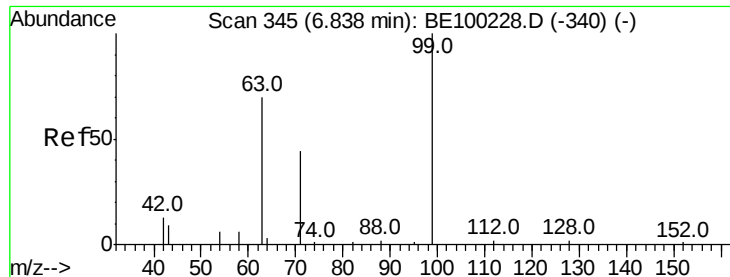
2-Fluorophenol
Concen: 0.389 ng
RT: 5.21 min Scan# 204
Delta R.T. -0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion:112 Resp: 520
Ion Ratio Lower Upper
112 100
64 52.1 39.4 59.0
63 144.6 104.5 156.7



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: 0.362 ng

RT: 6.82 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

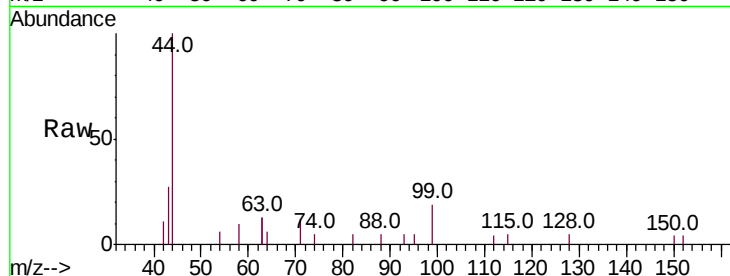
Tot Ion: 99 Resp: 636

Ion Ratio Lower Upper

99 100

42 19.7 11.2 16.8#

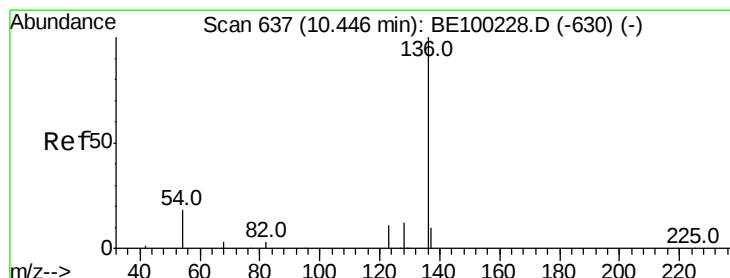
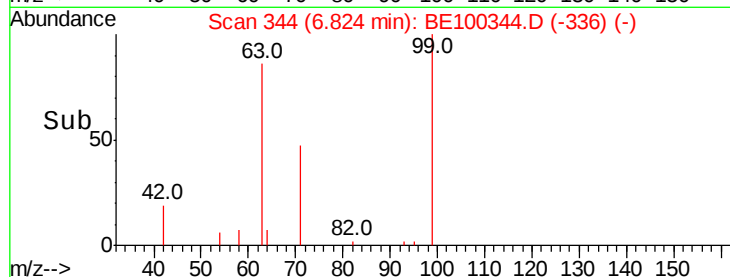
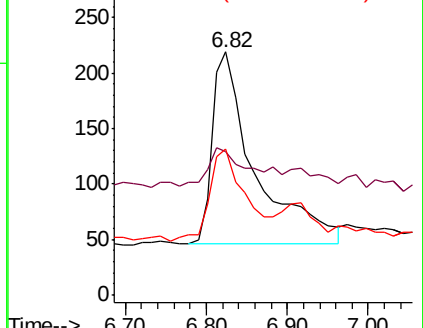
71 38.2 37.2 55.8



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.43 min Scan# 637

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion: 136 Resp: 1750

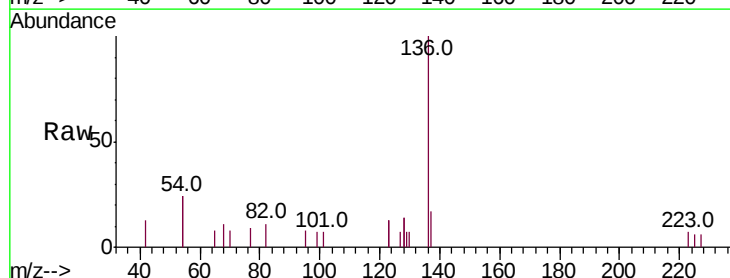
Ion Ratio Lower Upper

136 100

137 16.8 11.8 17.8

54 47.2 27.7 41.5#

68 11.5 6.8 10.2#

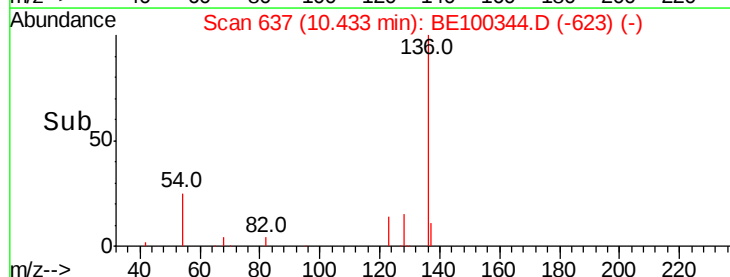
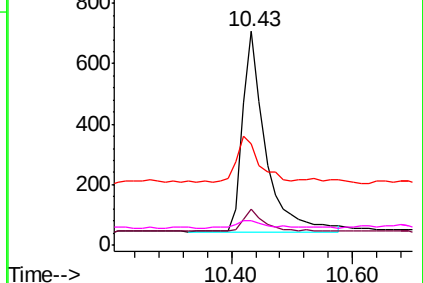


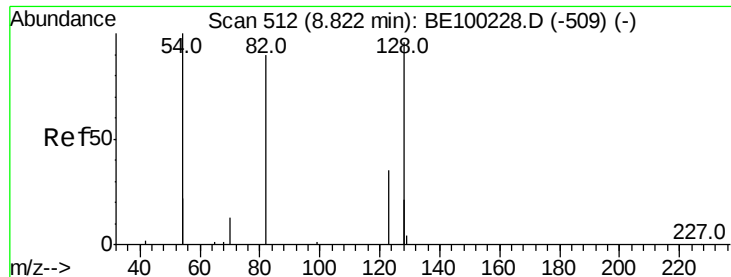
Abundance Ion 136.00 (135.70 to 136.70): E

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





#8

Nitrobenzene-d5

Concen: 0.332 ng

RT: 8.81 min Scan# 512

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

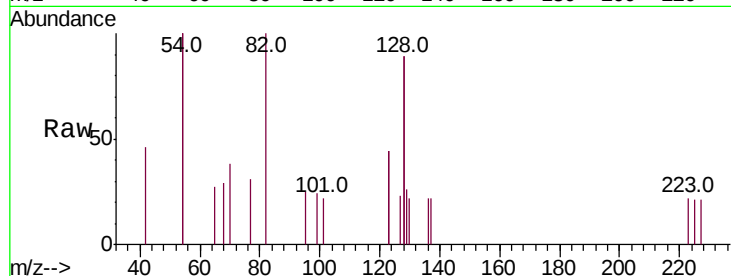
Tot Ion: 82 Resp: 578

Ion Ratio Lower Upper

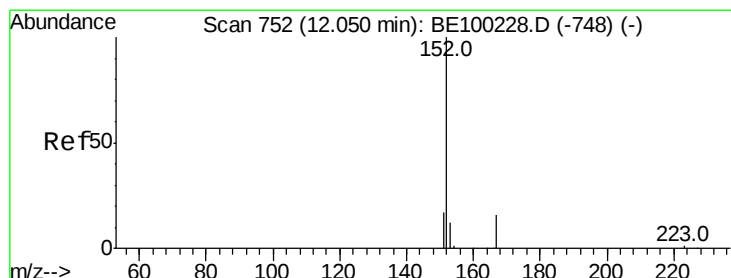
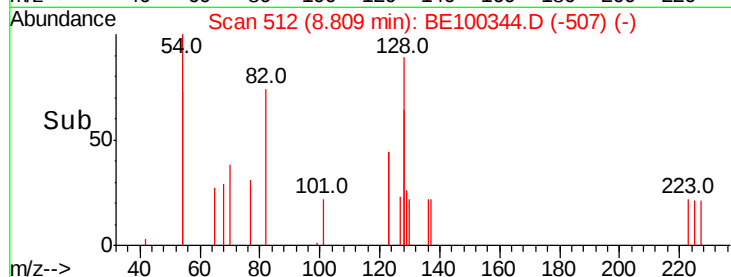
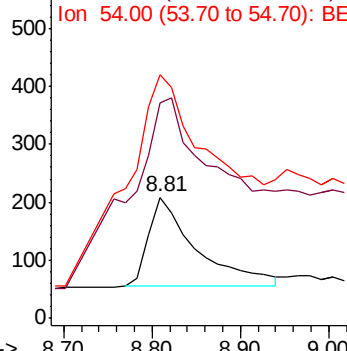
82 100

128 178.0 140.9 211.3

54 201.0 146.2 219.2



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



#11

2-Methylnaphthalene-d10

Concen: 0.342 ng

RT: 12.04 min Scan# 752

Delta R.T. -0.01 min

Lab File: BE100344.D

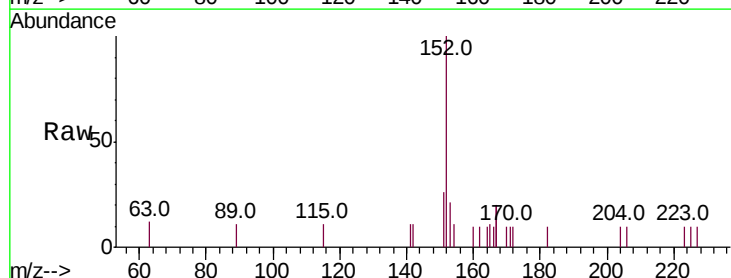
Acq: 4 Jul 2019 00:33

Tgt Ion: 152 Resp: 1126

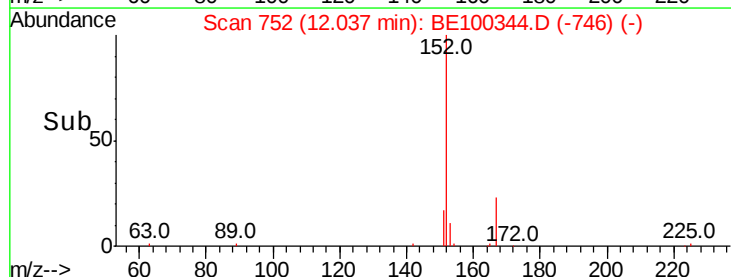
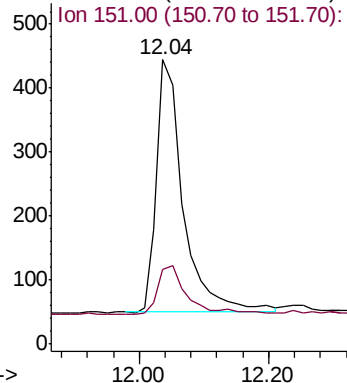
Ion Ratio Lower Upper

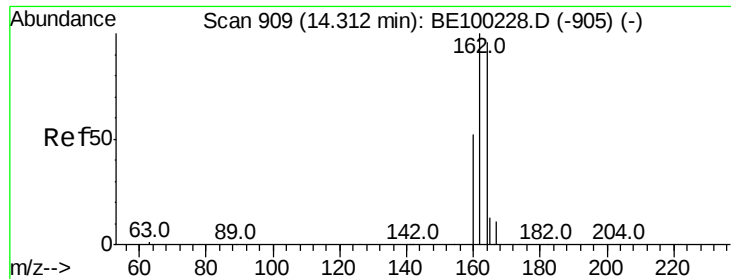
152 100

151 20.6 15.1 22.7



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

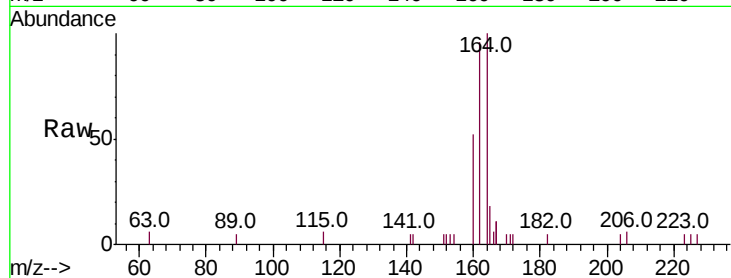




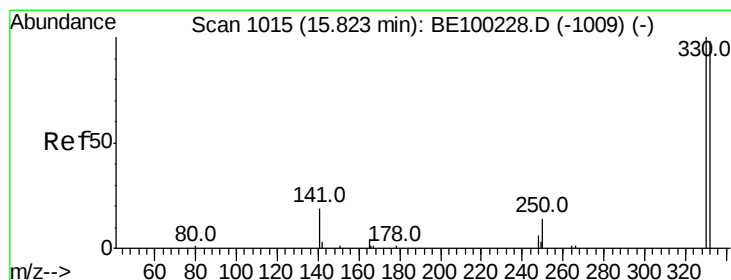
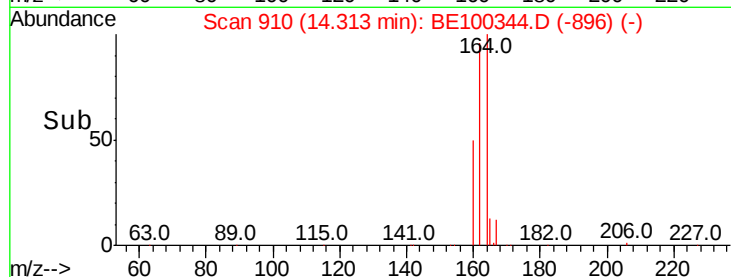
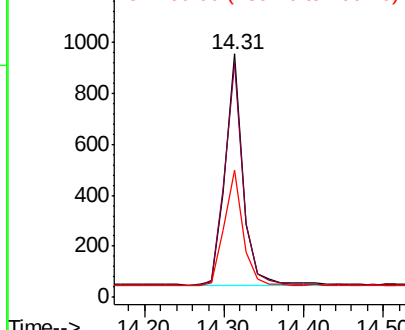
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 910
Delta R.T. 0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion:164 Resp: 1412
Ion Ratio Lower Upper
164 100
162 96.1 83.4 125.0
160 51.9 45.0 67.6

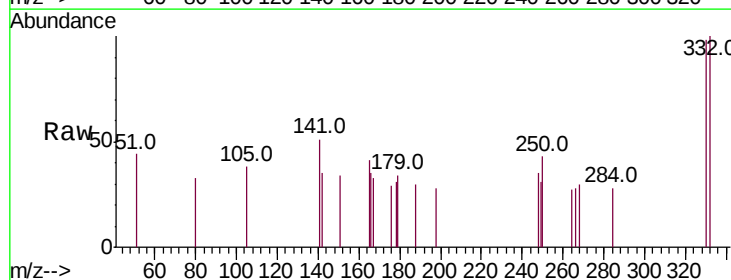


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

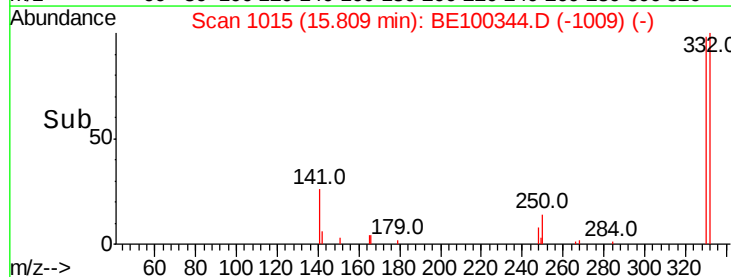
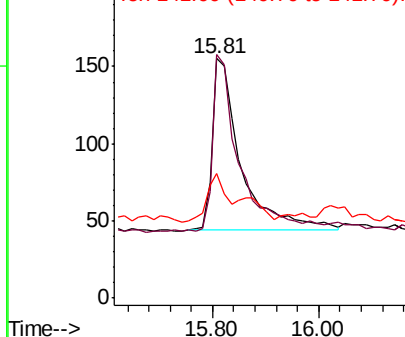


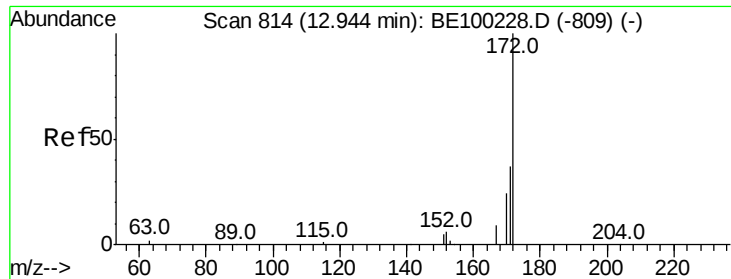
#14
2,4,6-Tribromophenol
Concen: 0.416 ng
RT: 15.81 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion:330 Resp: 411
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 17.3 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

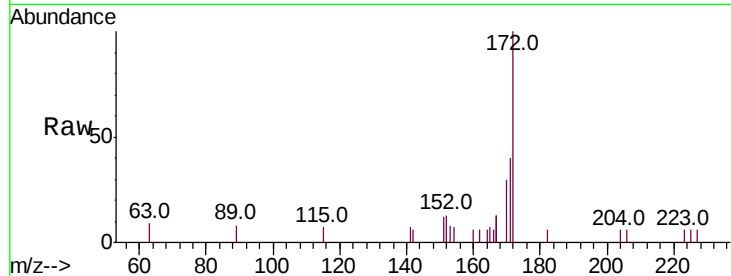




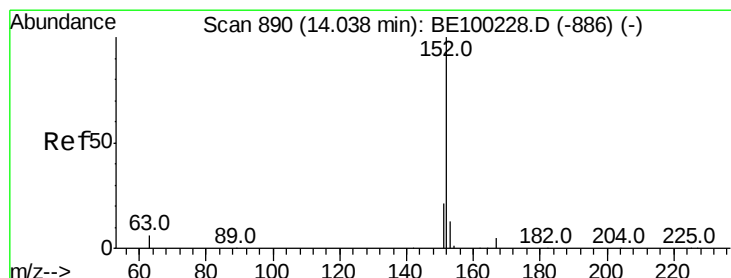
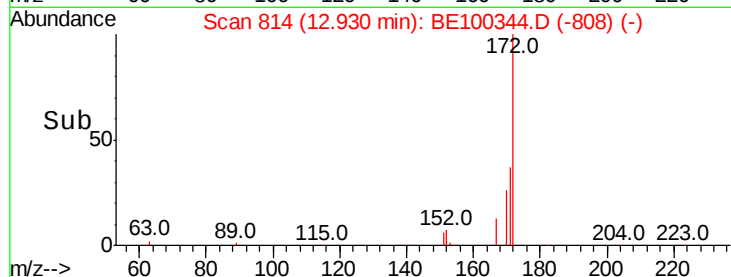
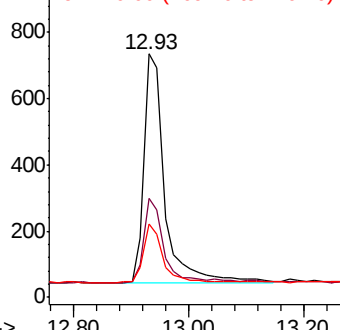
#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.93 min Scan# 814
Delta R.T. -0.01 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

Tot Ion:172 Resp: 1718
Ion Ratio Lower Upper
172 100
171 40.4 31.9 47.9
170 30.3 22.2 33.2

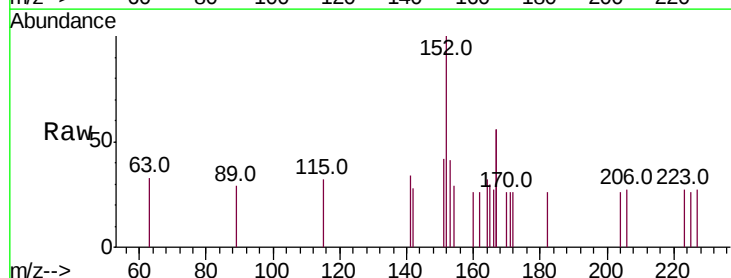


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

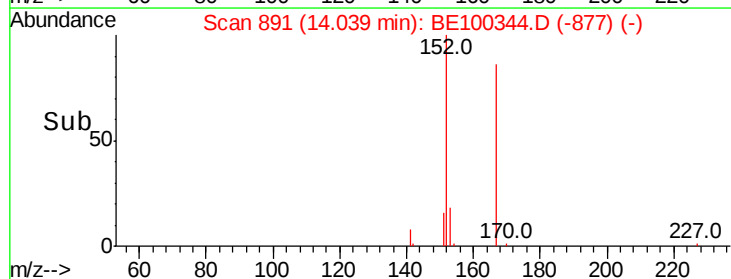
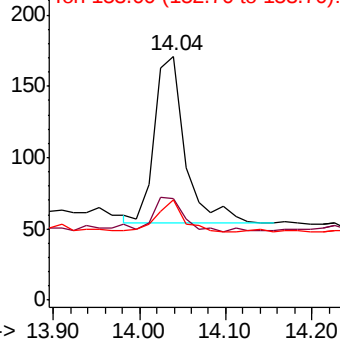


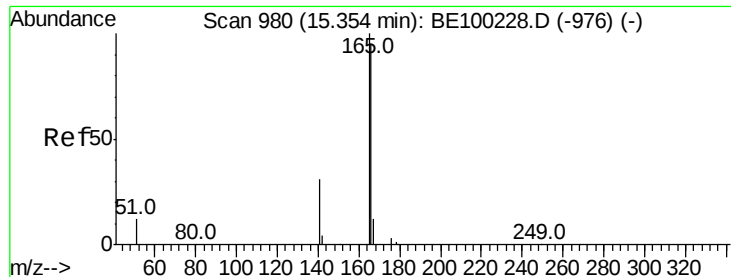
#16
Acenaphthylene
Concen: 0.043 ng
RT: 14.04 min Scan# 891
Delta R.T. 0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion:152 Resp: 290
Ion Ratio Lower Upper
152 100
151 25.2 16.6 25.0#
153 15.9 10.5 15.7#



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

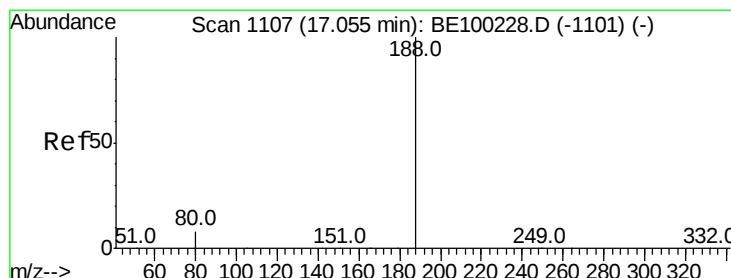
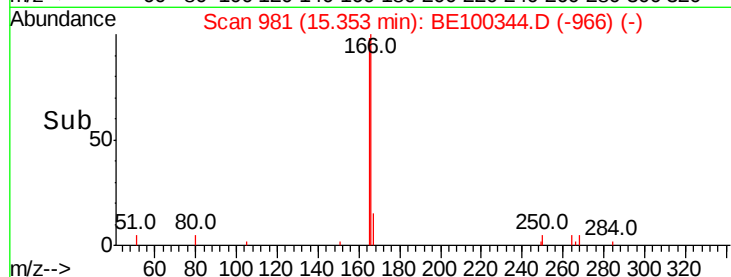
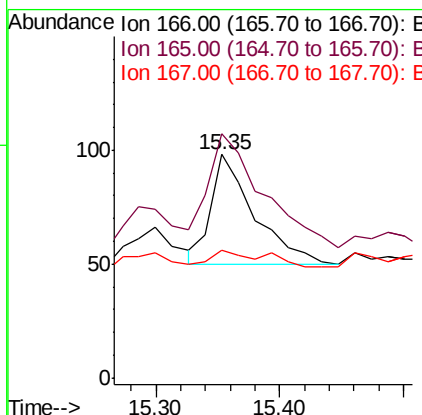
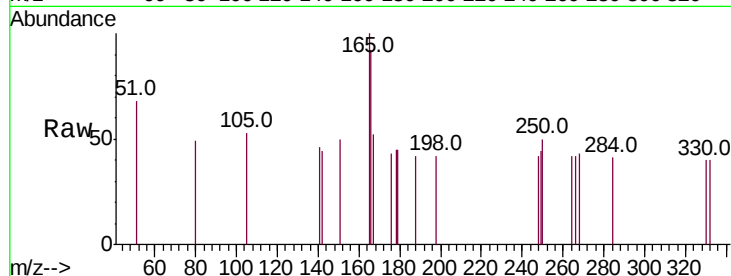




#18
 Fluorene
 Concen: 0.020 ng
 RT: 15.35 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

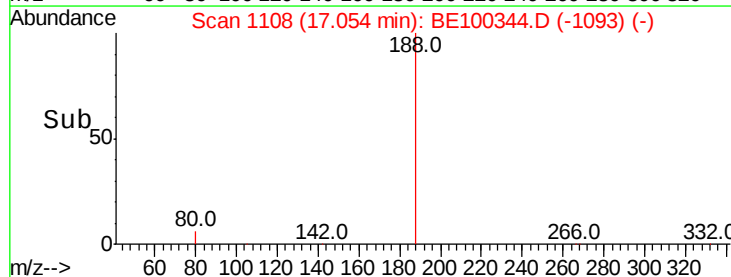
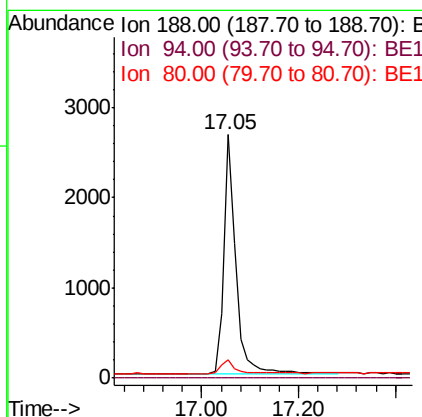
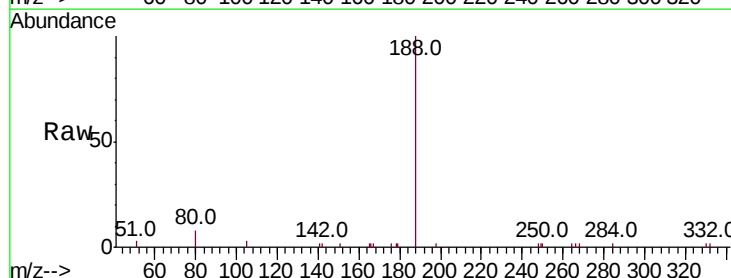
Instrument :
 BNA_E
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 PST-009-B219-062419

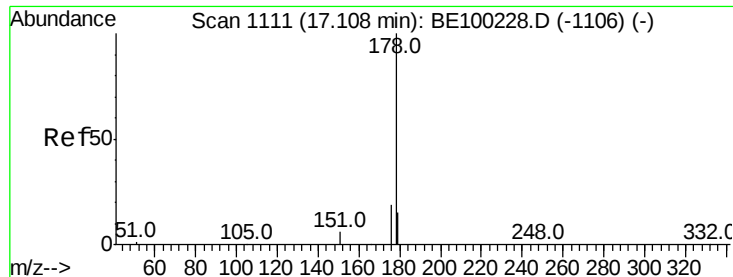
Tot Ion:166 Resp: 116
 Ion Ratio Lower Upper
 166 100
 165 131.9 81.1 121.7#
 167 17.2 10.7 16.1#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.05 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: BE100344.D
 Acq: 4 Jul 2019 00:33

Tgt Ion:188 Resp: 4631
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 7.6 7.6 11.4#





#23

Phenanthrene

Concen: 0.264 ng

RT: 17.09 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

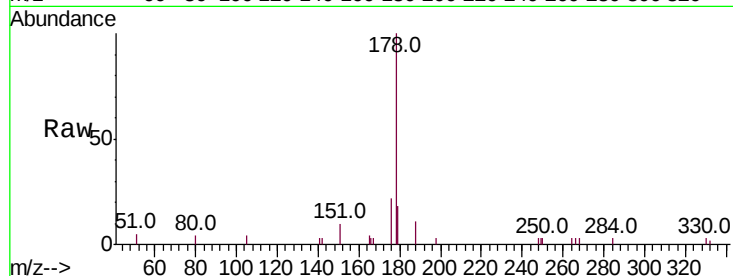
BNA_E

ClientSampleId :

PST-009-B219-062419

Tot Ion:178 Resp: 2961

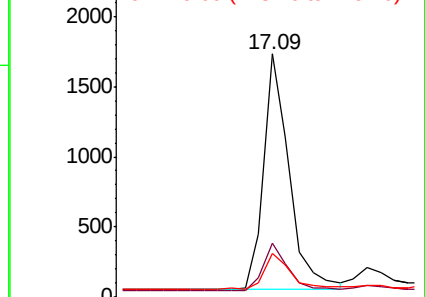
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.9	23.9
179	17.5	12.2	18.2



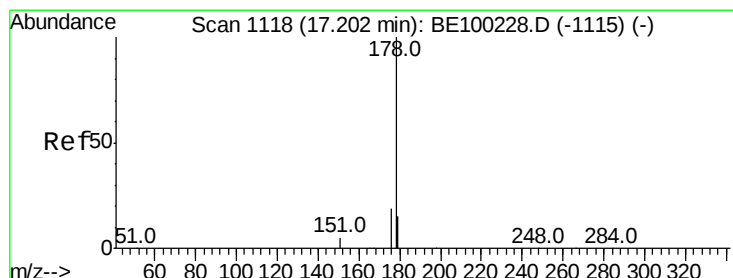
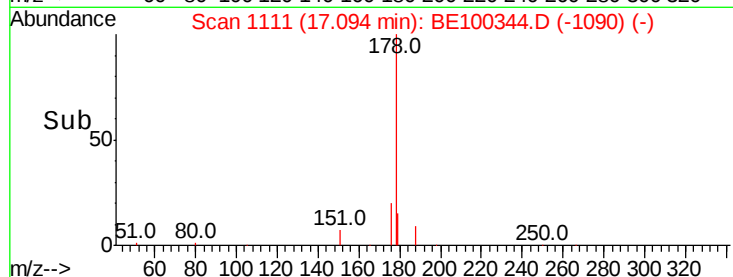
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.029 ng

RT: 17.19 min Scan# 1118

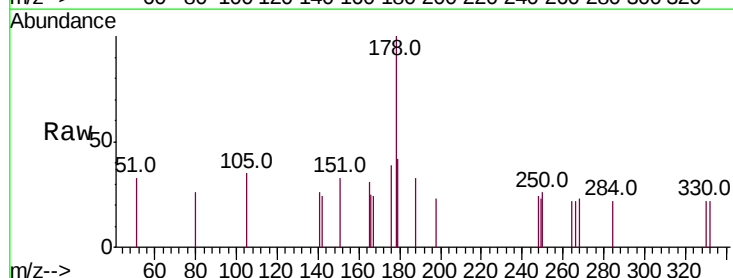
Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion:178 Resp: 289

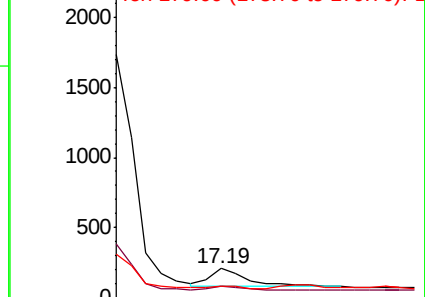
Ion	Ratio	Lower	Upper
178	100		
176	24.6	15.3	22.9#
179	9.0	12.2	18.2#



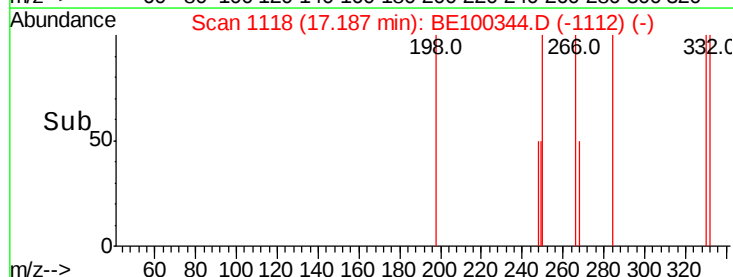
Abundance Ion 178.00 (177.70 to 178.70): E

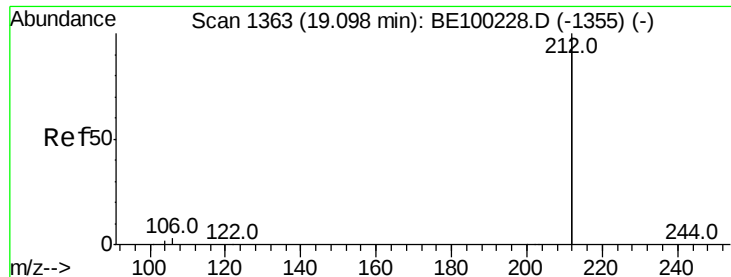
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.315 ng

RT: 19.09 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

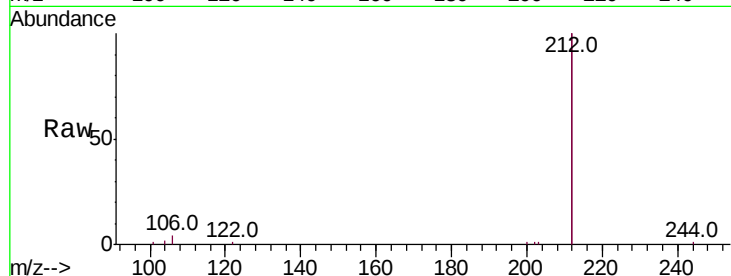
Tot Ion:212 Resp: 21187

Ion Ratio Lower Upper

212 100

106 1.5 1.3 1.9

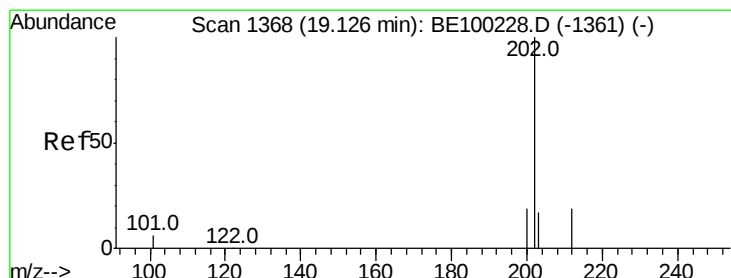
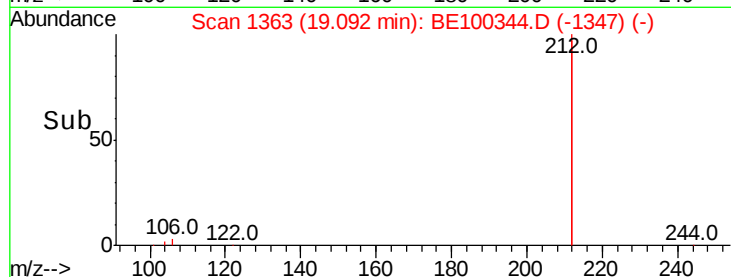
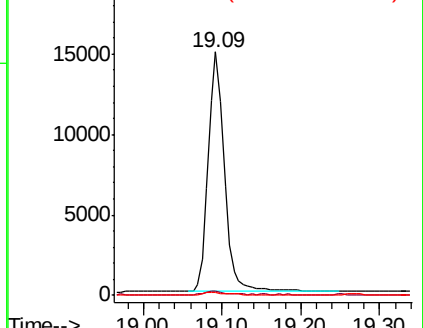
104 1.0 0.8 1.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.459 ng

RT: 19.12 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

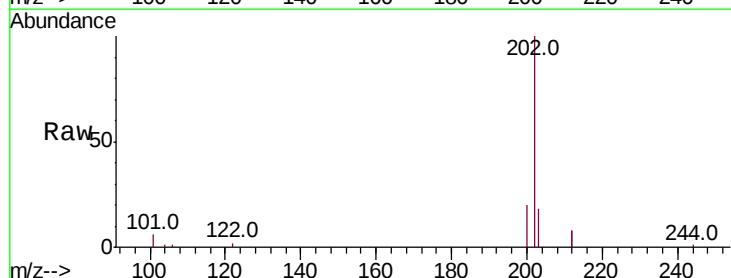
Tgt Ion:202 Resp: 8202

Ion Ratio Lower Upper

202 100

101 5.4 4.6 7.0

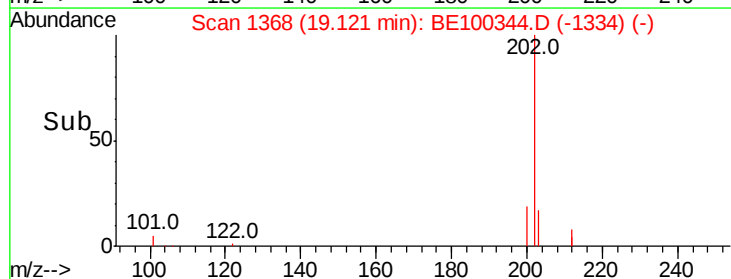
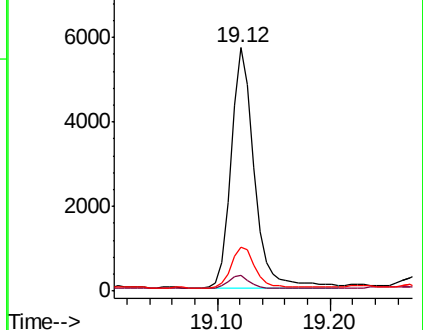
203 17.6 13.7 20.5

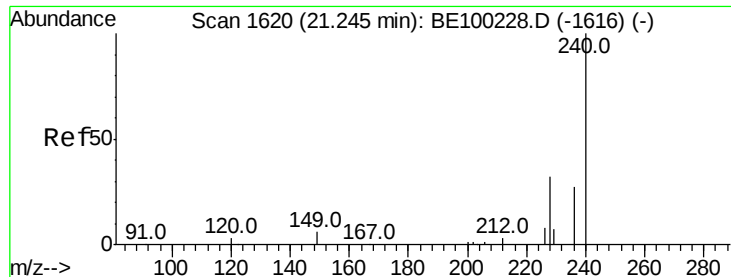


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 1621

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

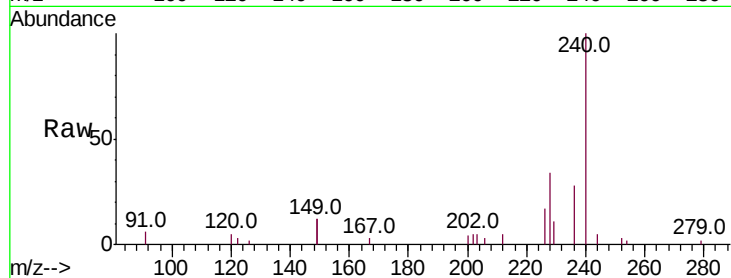
Tot Ion:240 Resp: 6535

Ion Ratio Lower Upper

240 100

120 4.6 3.3 4.9

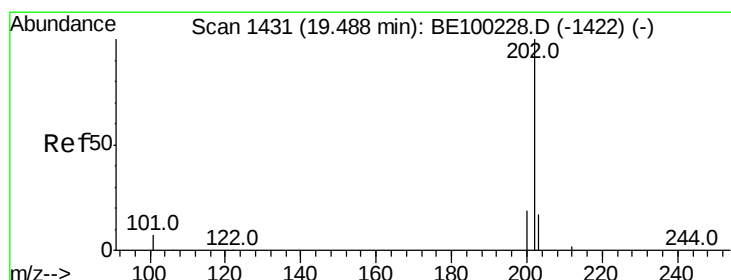
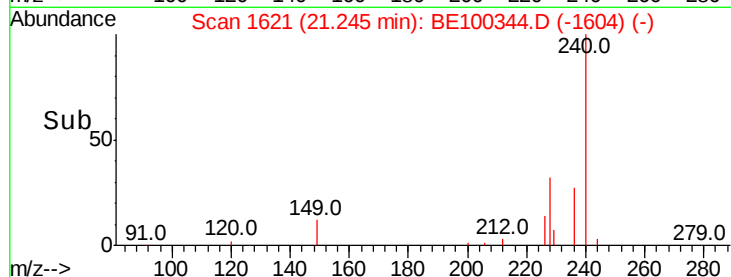
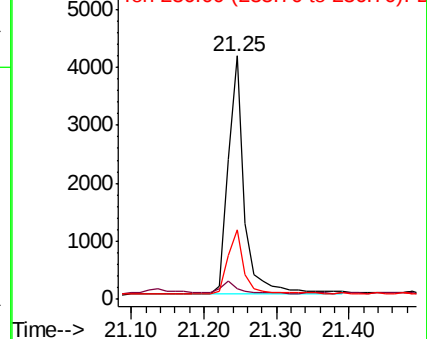
236 28.3 22.6 34.0



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

Pyrene

Concen: 0.517 ng

RT: 19.48 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

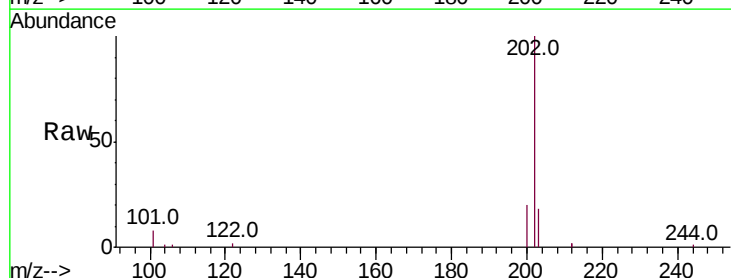
Tgt Ion:202 Resp: 8940

Ion Ratio Lower Upper

202 100

200 20.4 15.6 23.4

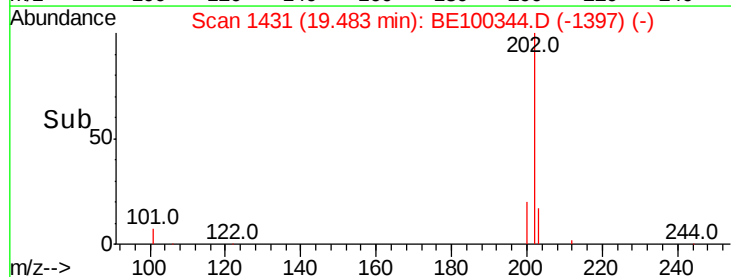
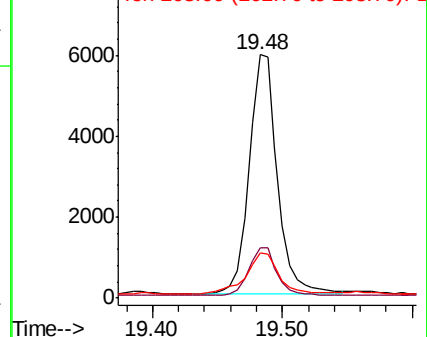
203 20.1 14.0 21.0

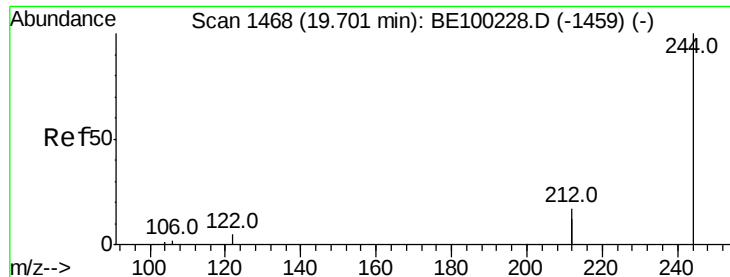


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.346 ng

RT: 19.69 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

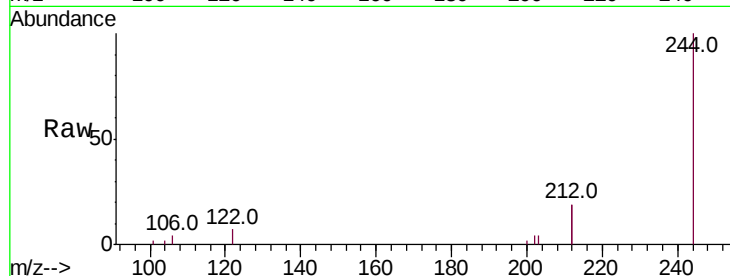
Tot Ion:244 Resp: 4687

Ion Ratio Lower Upper

244 100

212 37.7 27.3 40.9

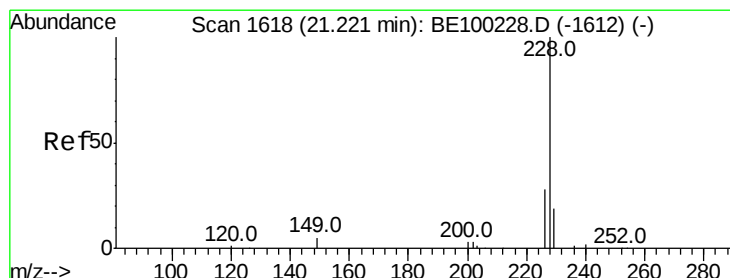
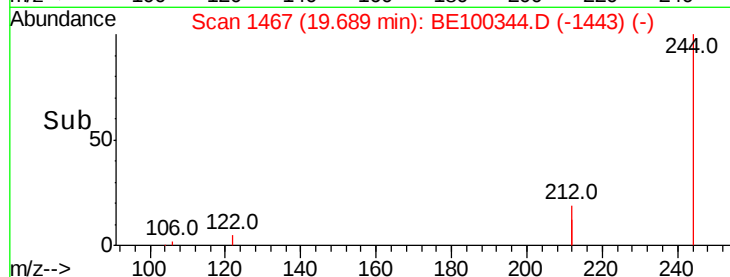
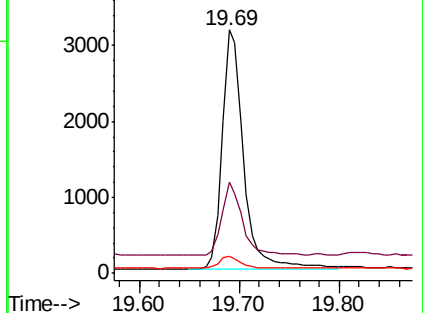
122 7.2 4.7 7.1#



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: 0.313 ng

RT: 21.22 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

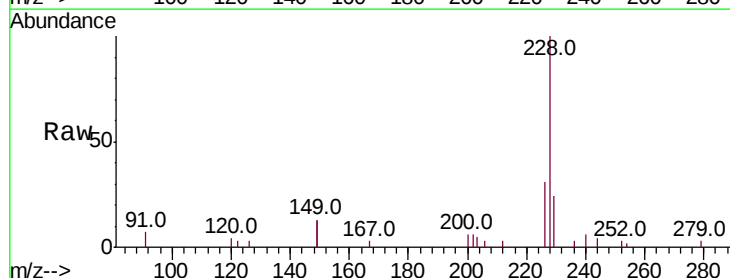
Tgt Ion:228 Resp: 6734

Ion Ratio Lower Upper

228 100

226 31.2 23.2 34.8

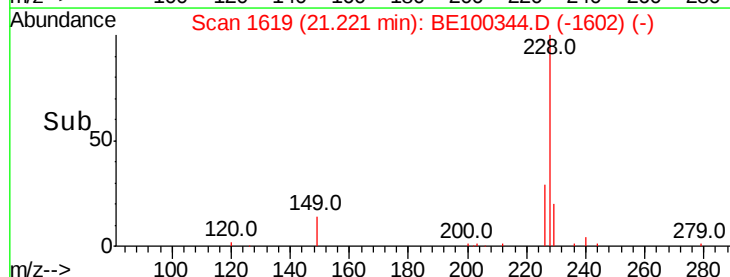
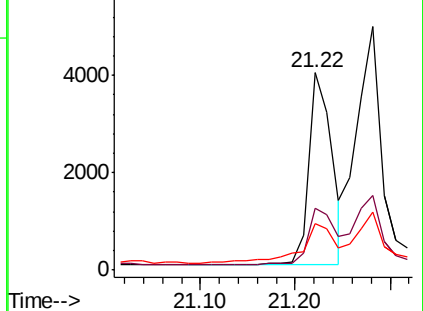
229 23.6 15.7 23.5#

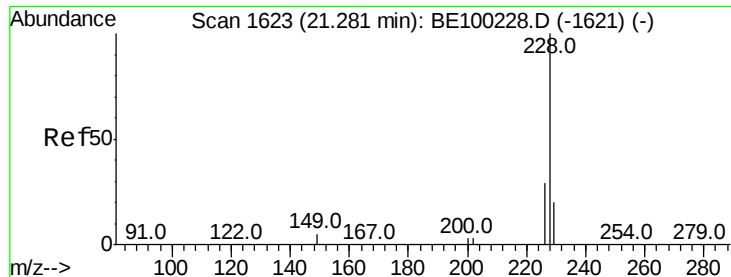


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.398 ng

RT: 21.28 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

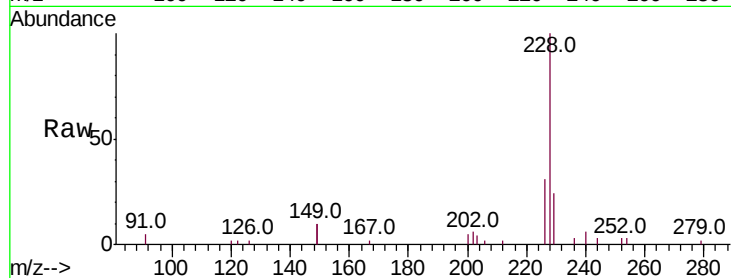
BNA_E

ClientSampleId :

PST-009-B219-062419

Tot Ion:228 Resp: 8598

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	23.7	16.5	24.7

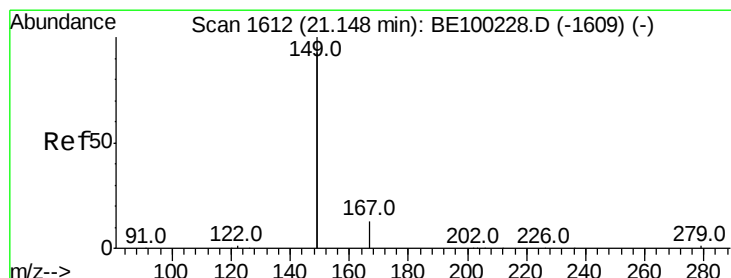
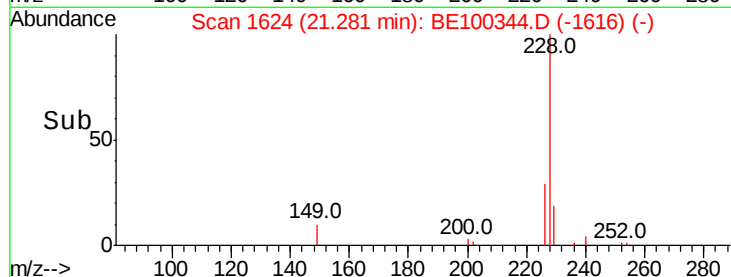
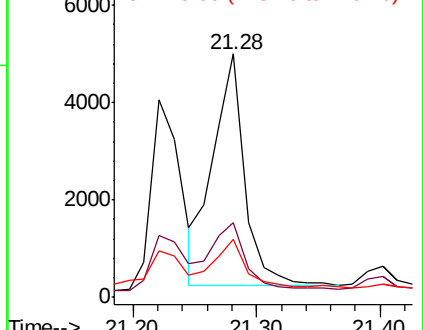


Abundance

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: 0.709 ng

RT: 21.15 min Scan# 1613

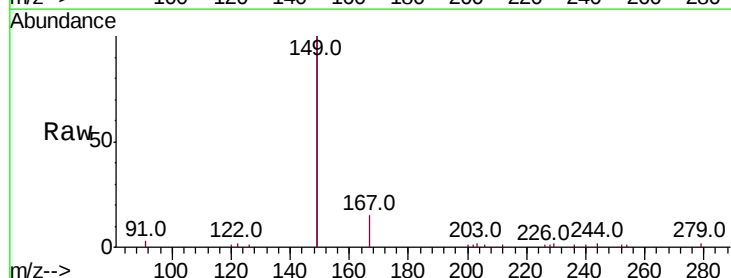
Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Tgt Ion:149 Resp: 23270

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.8	8.8
279	1.3	1.1	1.7

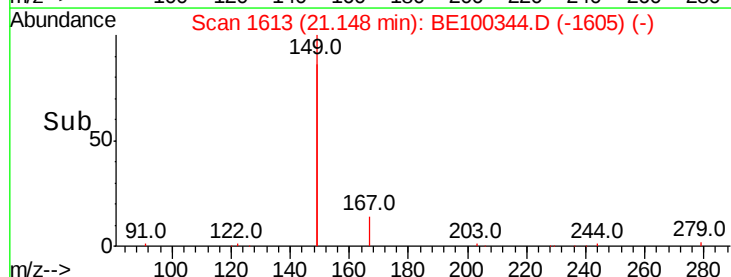
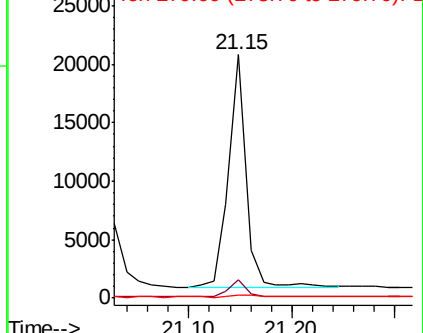


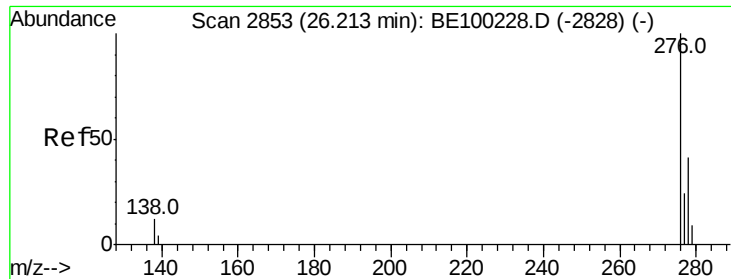
Abundance

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: 0.233 ng

RT: 26.21 min Scan# 2854

Delta R.T. -0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

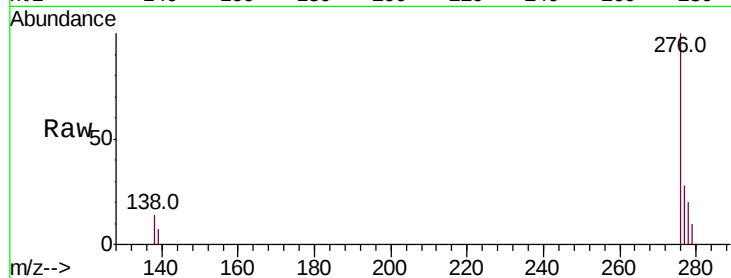
Tot Ion:276 Resp: 6641

Ion Ratio Lower Upper

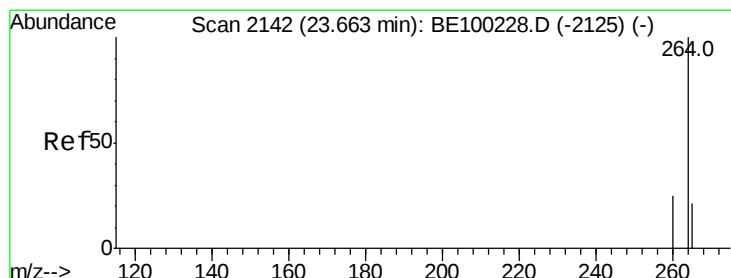
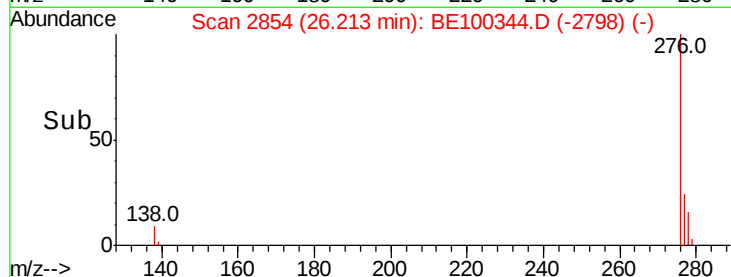
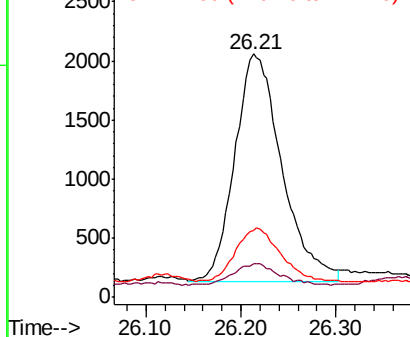
276 100

138 8.9 9.4 14.0#

277 22.8 19.2 28.8



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.66 min Scan# 2143

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

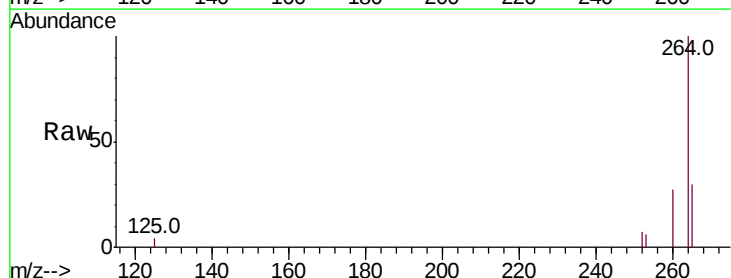
Tgt Ion:264 Resp: 7933

Ion Ratio Lower Upper

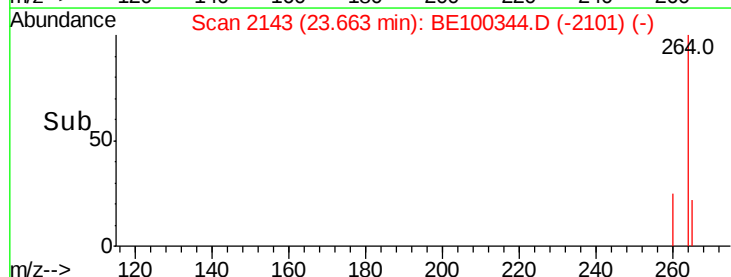
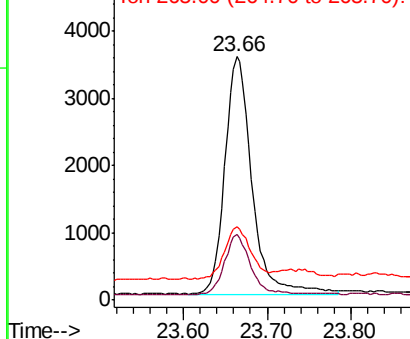
264 100

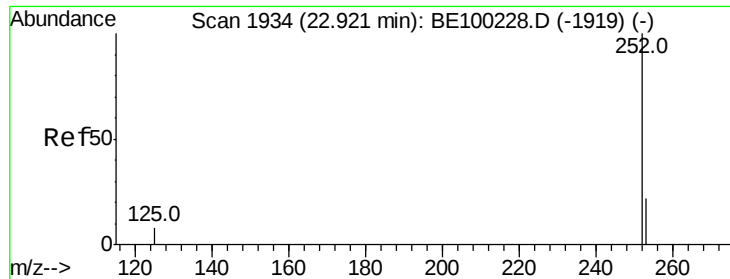
260 26.8 20.8 31.2

265 30.3 21.8 32.6



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

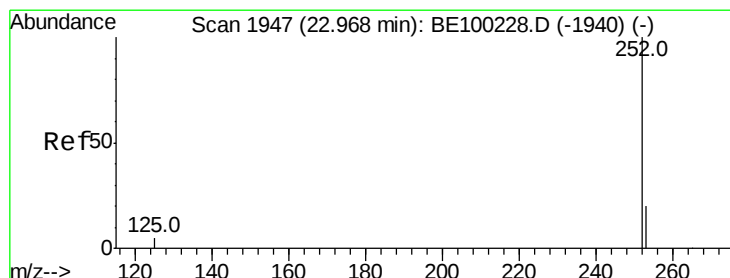
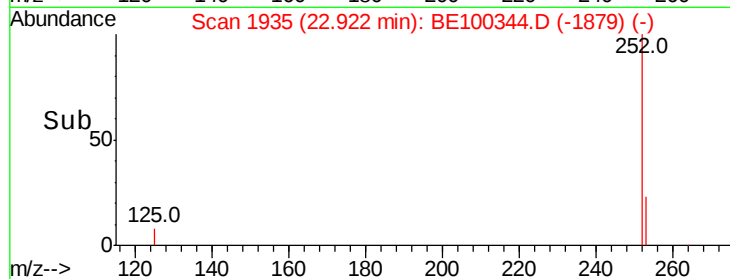
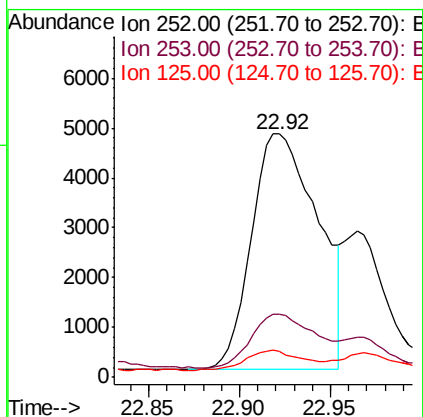
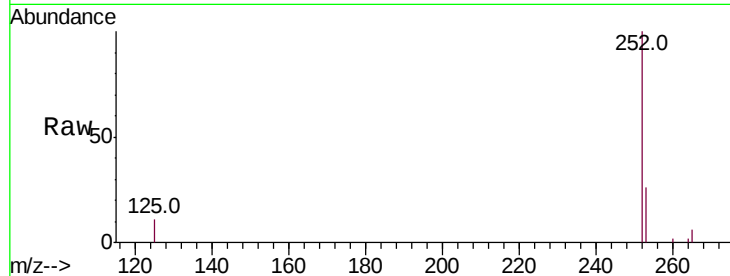




#35
Benzo(b)fluoranthene
Concen: 0.561 ng
RT: 22.92 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

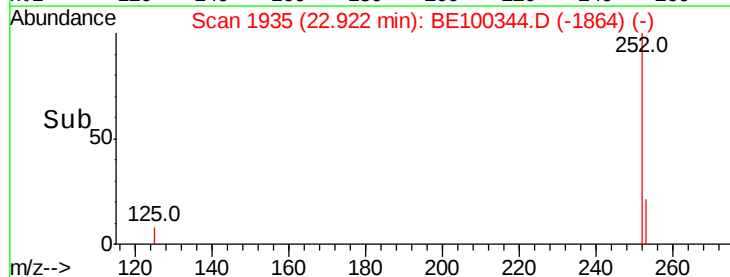
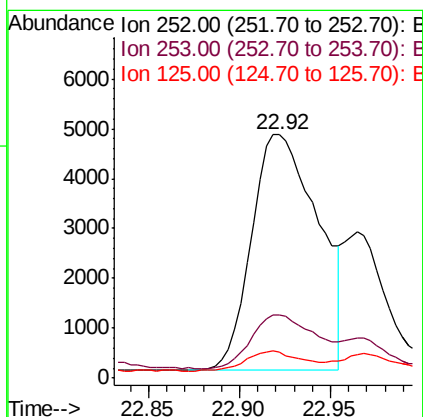
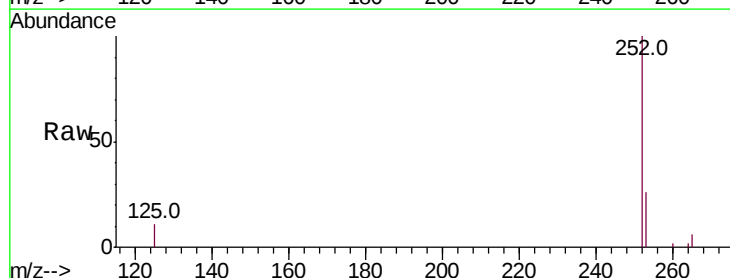
Instrument :
BNA_E
ClientSampleId :
PST-009-B219-062419

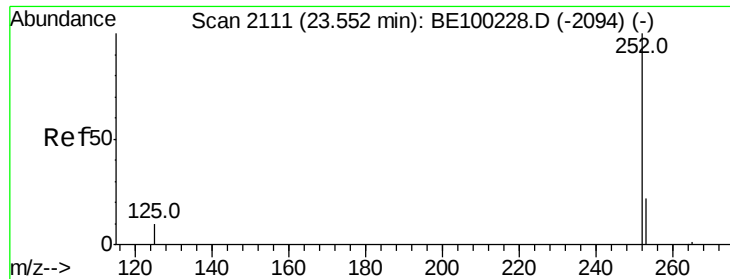
Tot Ion:252 Resp: 12064
Ion Ratio Lower Upper
252 100
253 25.9 19.2 28.8
125 10.6 7.4 11.0



#36
Benzo(k)fluoranthene
Concen: 0.502 ng
RT: 22.92 min Scan# 1935
Delta R.T. -0.05 min
Lab File: BE100344.D
Acq: 4 Jul 2019 00:33

Tgt Ion:252 Resp: 12064
Ion Ratio Lower Upper
252 100
253 25.9 17.9 26.9
125 10.6 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.377 ng

RT: 23.55 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

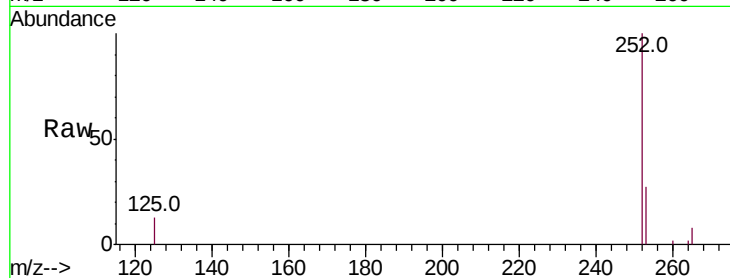
Tot Ion:252 Resp: 8132

Ion Ratio Lower Upper

252 100

253 27.3 19.6 29.4

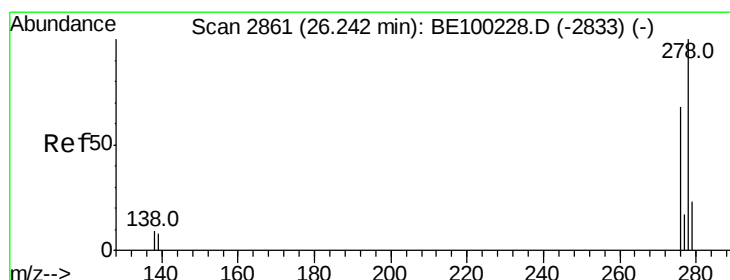
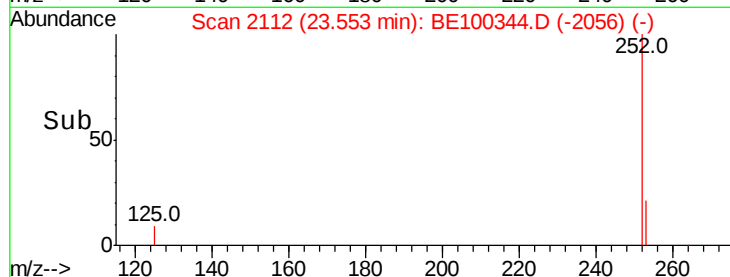
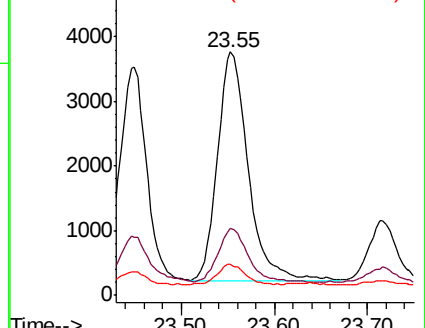
125 12.7 9.0 13.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.066 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

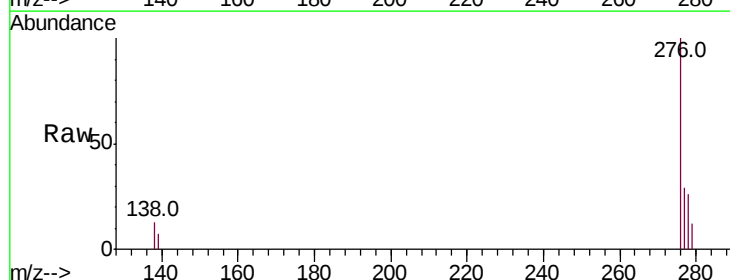
Tgt Ion:278 Resp: 1475

Ion Ratio Lower Upper

278 100

139 27.3 8.2 12.2#

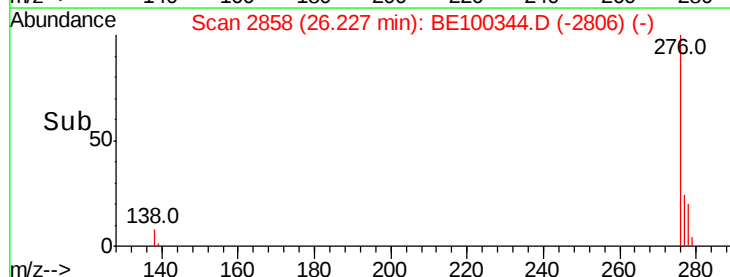
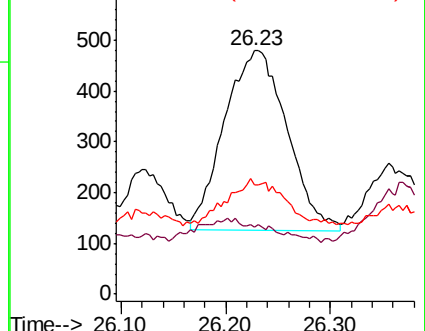
279 44.9 20.3 30.5#

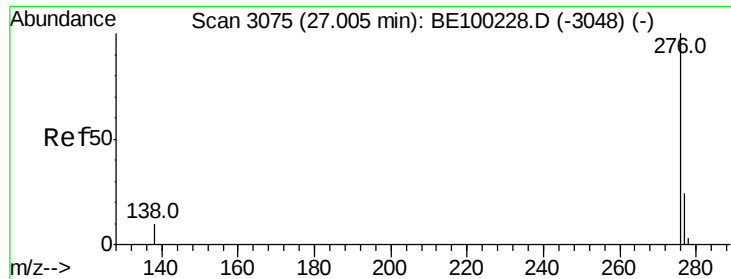


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.318 ng

RT: 27.01 min Scan# 3077

Delta R.T. 0.00 min

Lab File: BE100344.D

Acq: 4 Jul 2019 00:33

Instrument :

BNA_E

ClientSampleId :

PST-009-B219-062419

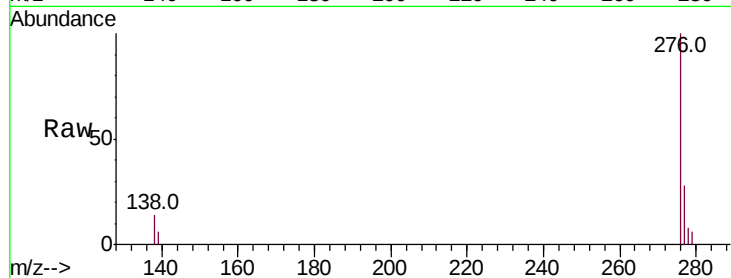
Tot Ion:276 Resp: 7346

Ion Ratio Lower Upper

276 100

277 28.4 20.2 30.2

138 13.9 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

