

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062619\
 Data File : BE100194.D
 Acq On : 26 Jun 2019 14:30
 Operator : JU/SJ
 Sample : K3350-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 2

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-190611

Quant Time: Jun 27 05:18:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 25 15:40:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1189	0.80	ng	0.00
7) Naphthalene-d8	10.47	136	3937	0.80	ng	0.00
13) Acenaphthene-d10	14.34	164	2986	0.80	ng	0.00
19) Phenanthrene-d10	17.09	188	10032	0.80	ng	0.00
27) Chrysene-d12	21.28	240	14591	0.80	ng	0.00
34) Perylene-d12	23.72	264	17120	0.80	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	220	0.17	ng	0.00
5) Phenol-d6	6.85	99	198	0.11	ng	-0.02
8) Nitrobenzene-d5	8.85	82	755	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	1291	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	298	0.34	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	2929	0.49	ng	0.00
25) Fluoranthene-d10	19.13	212	26886	0.37	ng	0.00
29) Terphenyl-d14	19.72	244	7521	0.53	ng	-0.01

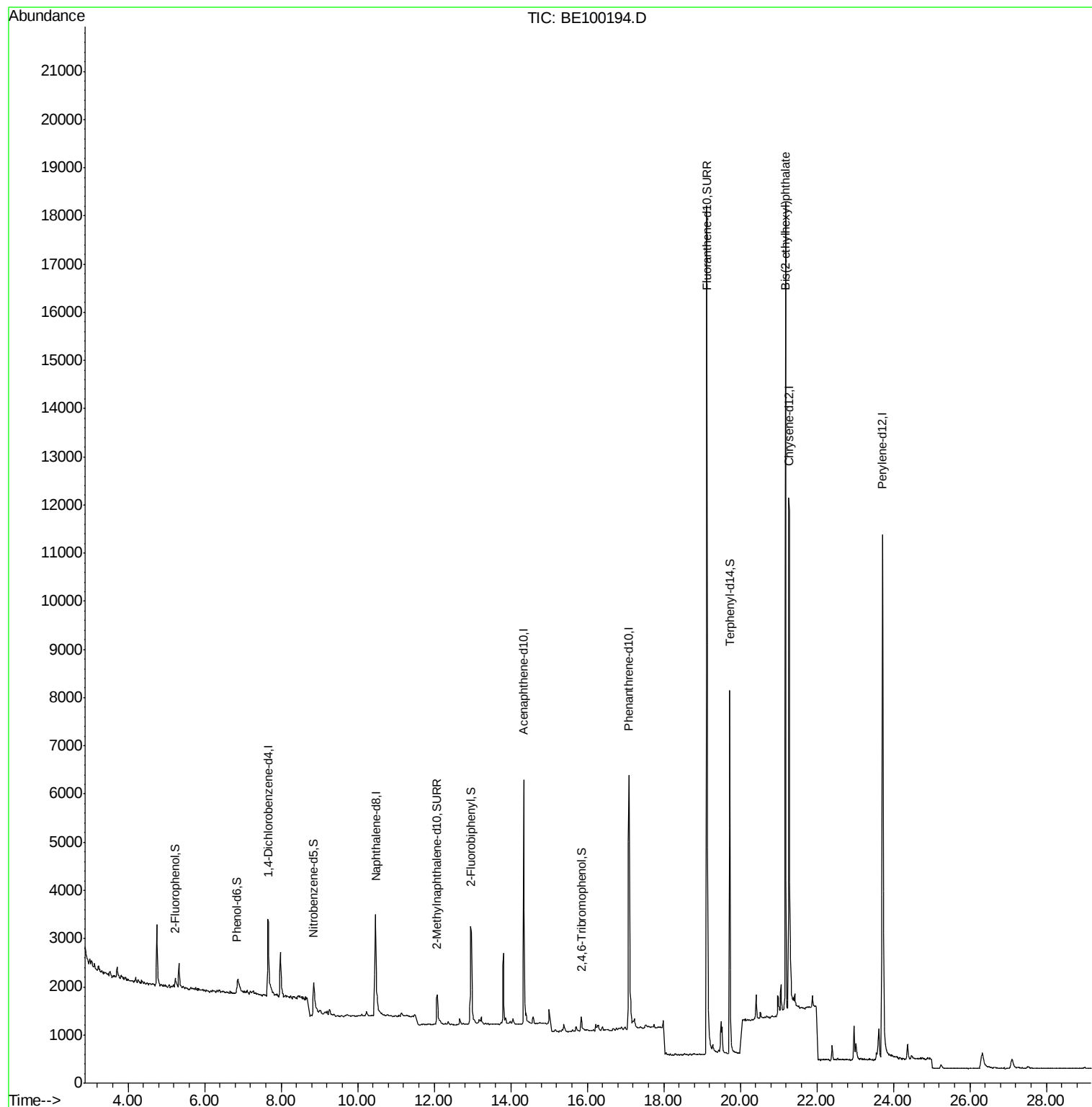
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
26) Fluoranthene	19.16	202	510	0.026	ng	# 91
28) Pyrene	19.52	202	538	0.029	ng	99
30) Benzo(a)anthracene	21.26	228	581	0.027	ng	# 75
32) Bis(2-ethylhexyl)phthalate	21.19	149	17111	0.692	ng	99
37) Benzo(a)pyrene	23.61	252	599	0.025	ng	# 1

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

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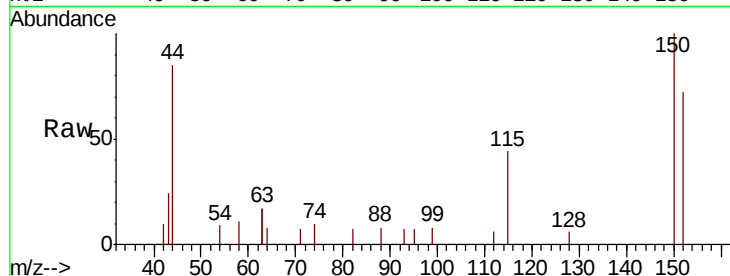


#1

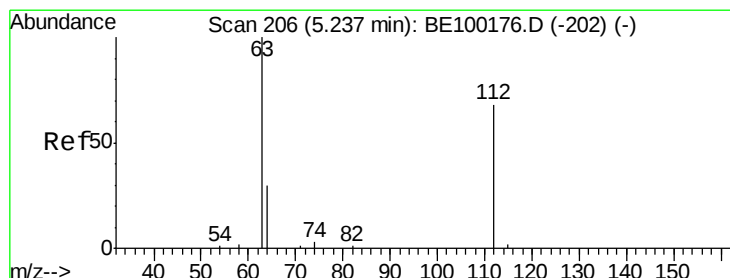
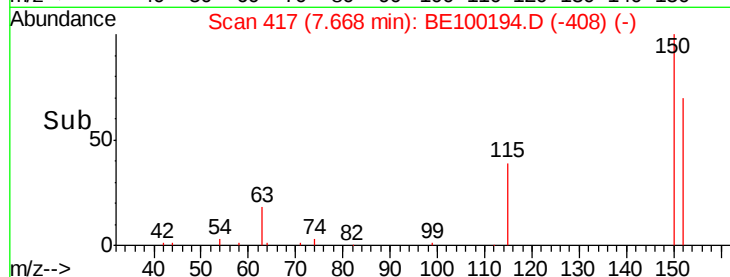
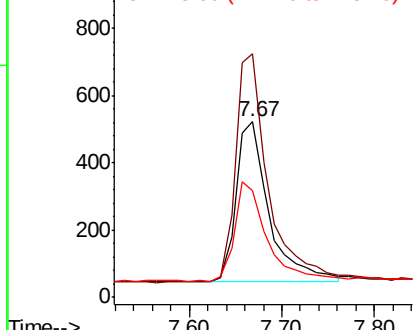
1,4-Dichlorobenzene-d4
Concen: 0.800 ng
RT: 7.67 min Scan# 417
Delta R.T. 0.00 min
Lab File: BE100194.D
Acq: 26 Jun 2019 14:30

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-190611

Tot Ion:152 Resp: 1189
Ion Ratio Lower Upper
152 100
150 139.0 113.4 170.2
115 60.7 55.8 83.6



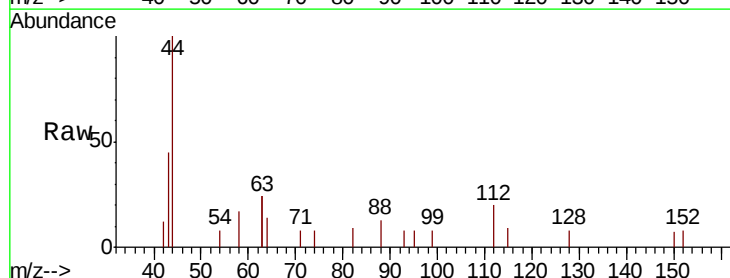
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



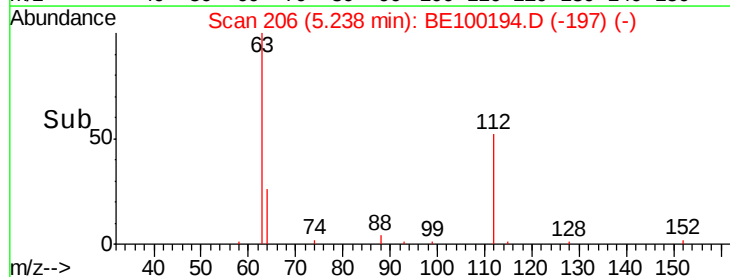
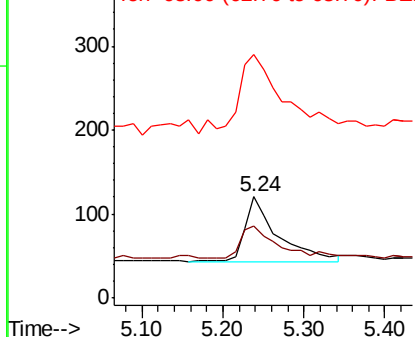
#4

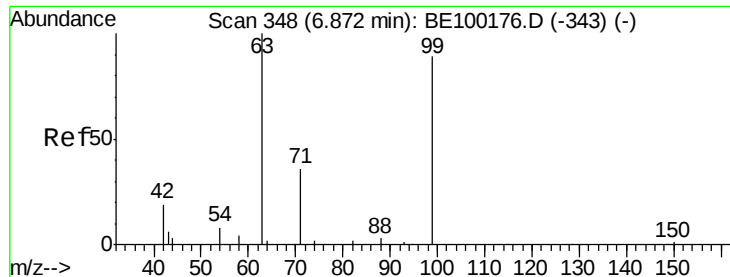
2-Fluorophenol
Concen: 0.166 ng
RT: 5.24 min Scan# 206
Delta R.T. 0.00 min
Lab File: BE100194.D
Acq: 26 Jun 2019 14:30

Tgt Ion:112 Resp: 220
Ion Ratio Lower Upper
112 100
64 60.0 40.7 61.1
63 181.4 93.2 139.8#



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: 0.109 ng

RT: 6.85 min Scan# 346

Delta R.T. -0.02 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190611

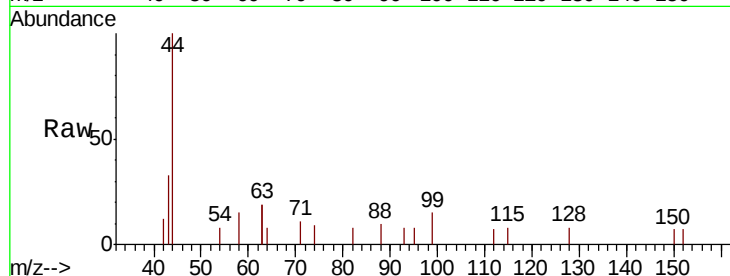
Tot Ion: 99 Resp: 198

Ion Ratio Lower Upper

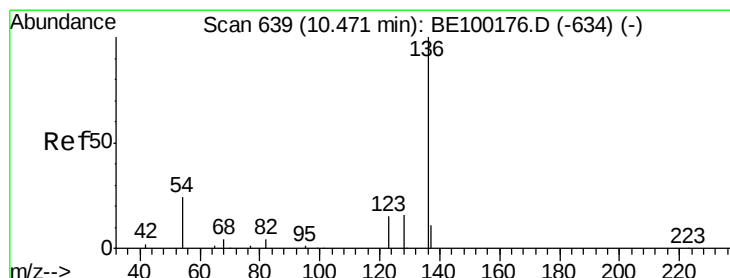
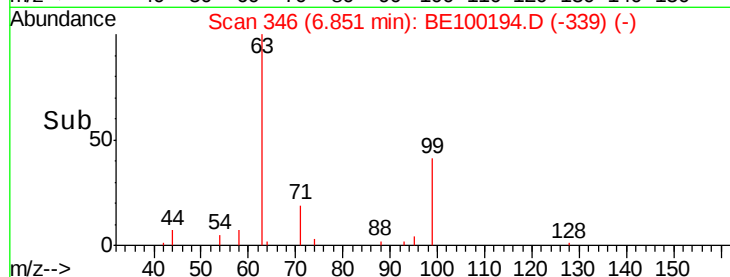
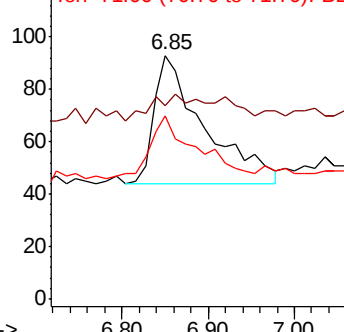
99 100

42 18.7 10.4 15.6#

71 39.9 32.4 48.6



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: 0.800 ng

RT: 10.47 min Scan# 639

Delta R.T. -0.00 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Tgt Ion: 136 Resp: 3937

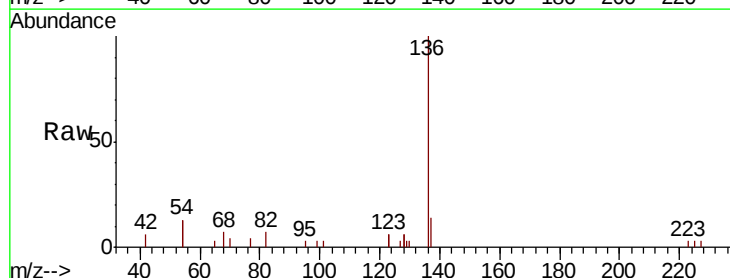
Ion Ratio Lower Upper

136 100

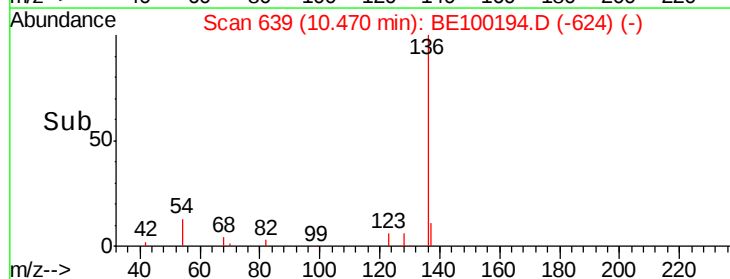
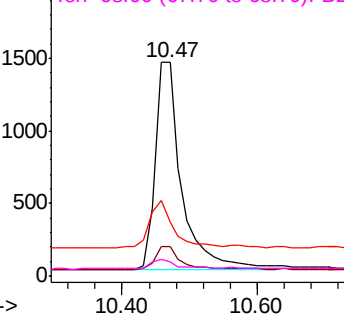
137 13.7 13.8 20.8#

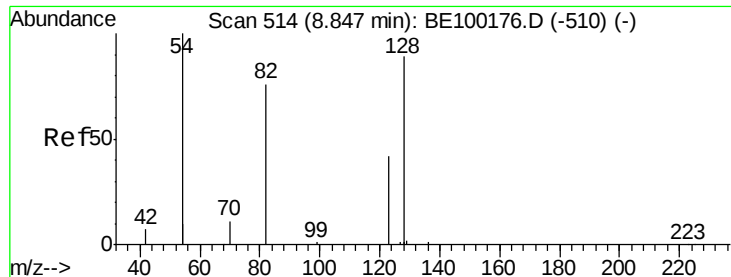
54 25.0 35.4 53.2#

68 6.8 8.8 13.2#



Abundance Ion 136.00 (135.70 to 136.70): BE1
Ion 137.00 (136.70 to 137.70): BE1
Ion 54.00 (53.70 to 54.70): BE1
Ion 68.00 (67.70 to 68.70): BE1





#8

Nitrobenzene-d5

Concen: 0.385 ng

RT: 8.85 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190611

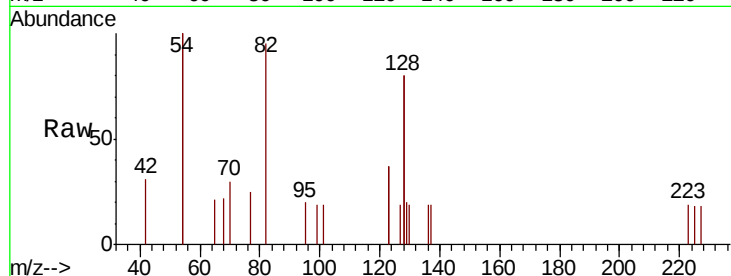
Tot Ion: 82 Resp: 755

Ion Ratio Lower Upper

82 100

128 167.8 144.6 217.0

54 210.4 163.0 244.6



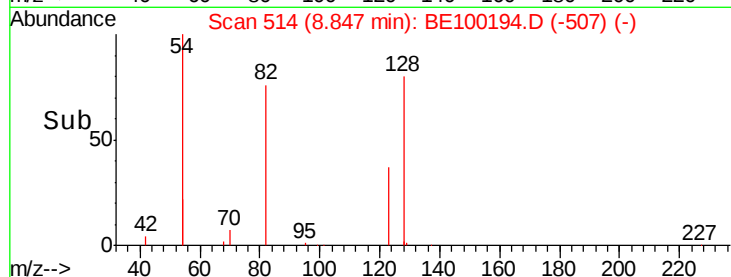
Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

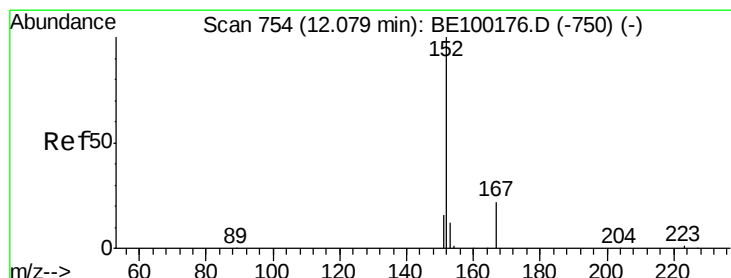
Ion 54.00 (53.70 to 54.70): BE1

8.85

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.350 ng

RT: 12.08 min Scan# 754

Delta R.T. 0.00 min

Lab File: BE100194.D

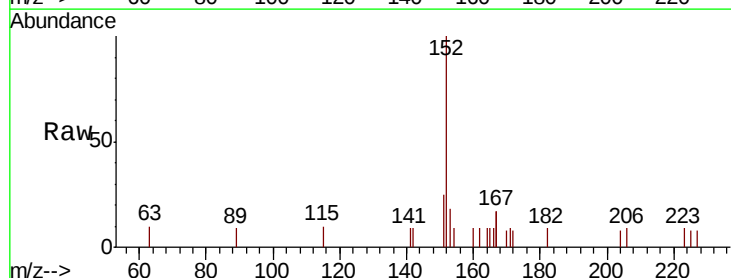
Acq: 26 Jun 2019 14:30

Tgt Ion: 152 Resp: 1291

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

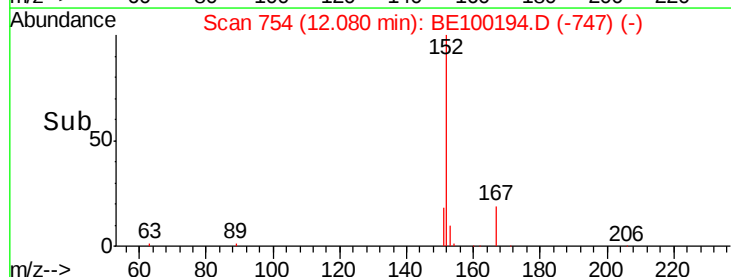


Abundance Ion 152.00 (151.70 to 152.70): E

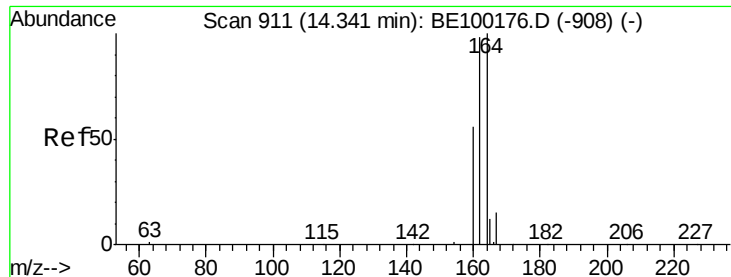
Ion 151.00 (150.70 to 151.70): E

12.08

Time-->



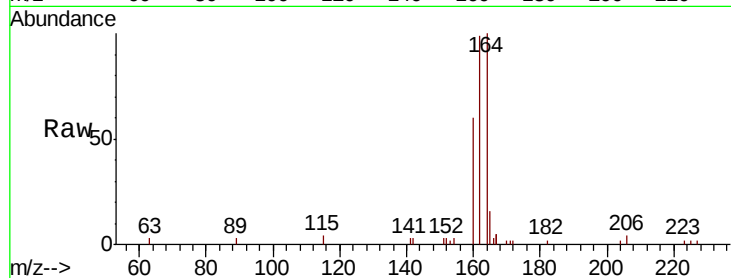
Time-->



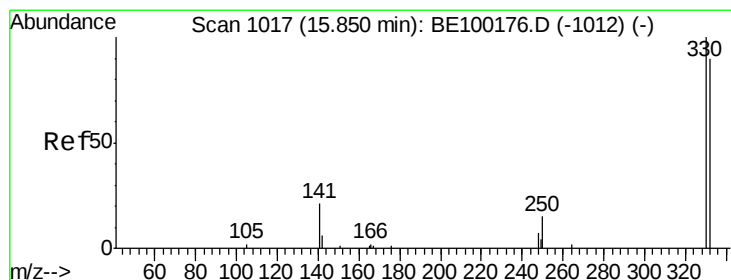
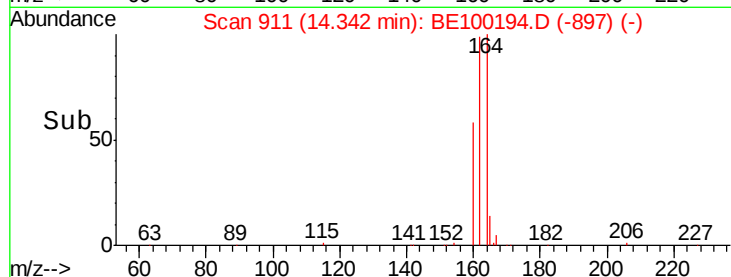
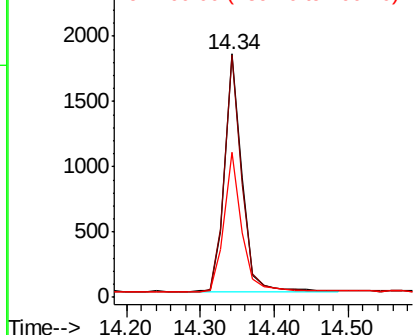
#13
Acenaphthene-d10
Concen: 0.800 ng
RT: 14.34 min Scan# 911
Delta R.T. 0.00 min
Lab File: BE100194.D
Acq: 26 Jun 2019 14:30

Instrument :
BNA_E
ClientSampleId :
OUTFALL001-190611

Tot Ion:164 Resp: 2986
Ion Ratio Lower Upper
164 100
162 99.3 78.6 118.0
160 59.6 46.9 70.3

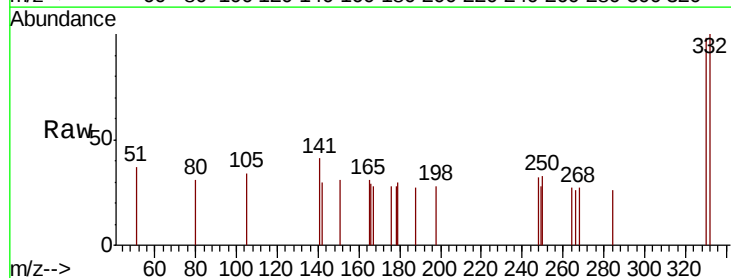


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

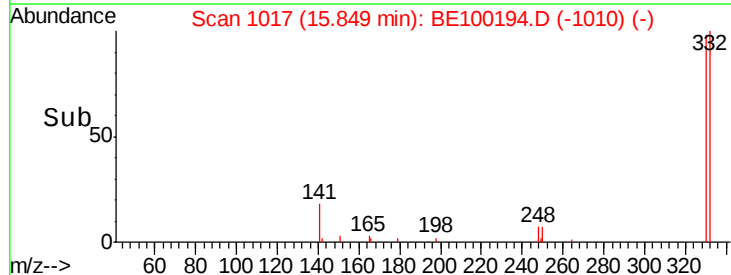
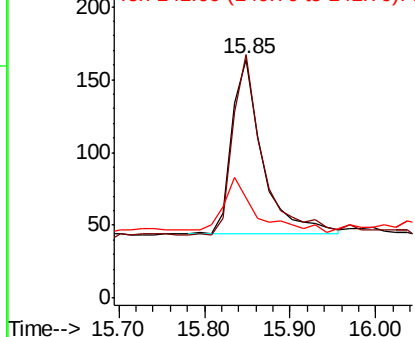


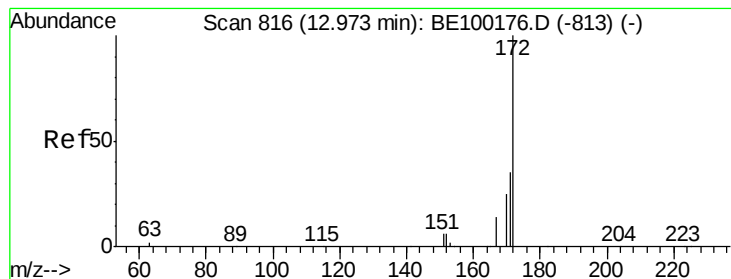
#14
2,4,6-Tribromophenol
Concen: 0.345 ng
RT: 15.85 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE100194.D
Acq: 26 Jun 2019 14:30

Tgt Ion:330 Resp: 298
Ion Ratio Lower Upper
330 100
332 102.7 77.7 116.5
141 33.2 18.9 28.3#



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

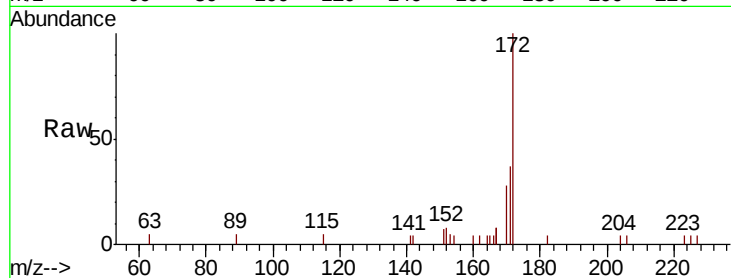




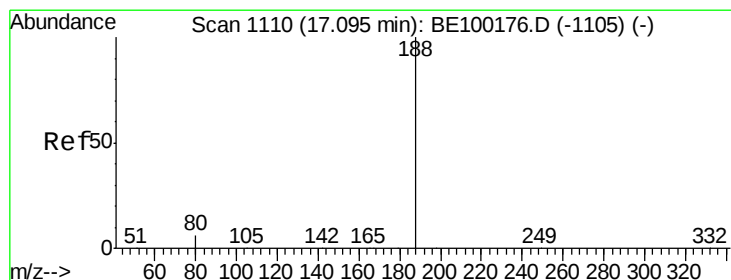
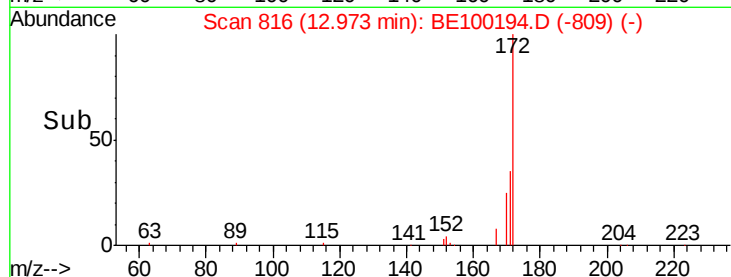
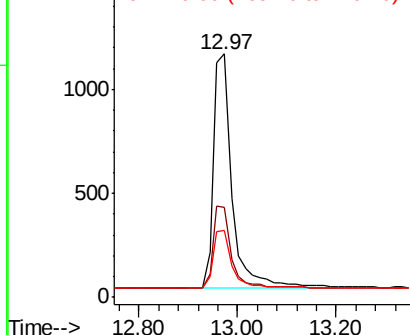
#15
2-Fluorobiphenyl
Concen: 0.489 ng
RT: 12.97 min Scan# 816
Delta R.T. 0.00 min
Lab File: BE100194.D
Acq: 26 Jun 2019 14:30

Instrument :
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OUTFALL001-190611

Tot Ion:172 Resp: 2929
Ion Ratio Lower Upper
172 100
171 37.0 31.0 46.4
170 27.5 23.9 35.9

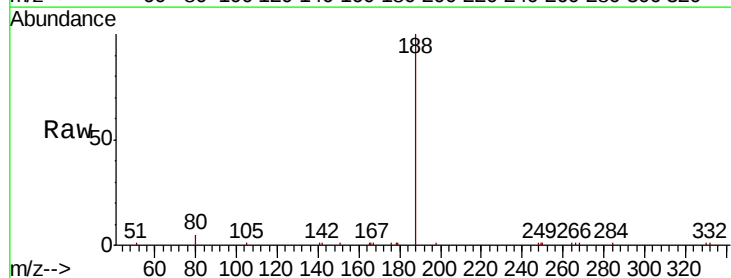


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

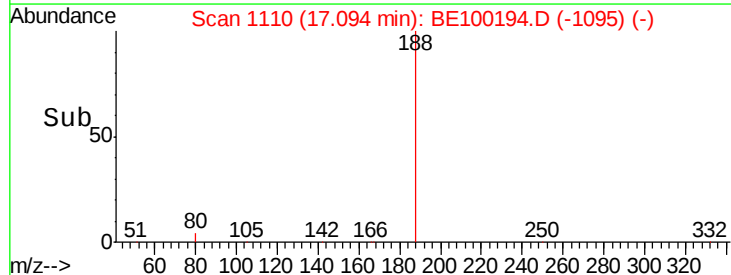
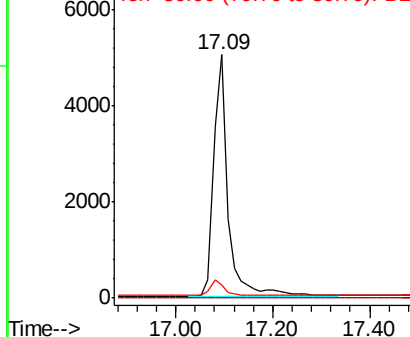


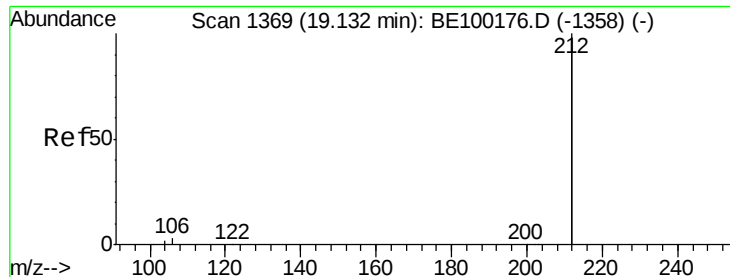
#19
Phenanthrene-d10
Concen: 0.800 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE100194.D
Acq: 26 Jun 2019 14:30

Tgt Ion:188 Resp: 10032
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.4 6.4 9.6#



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





#25

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190611

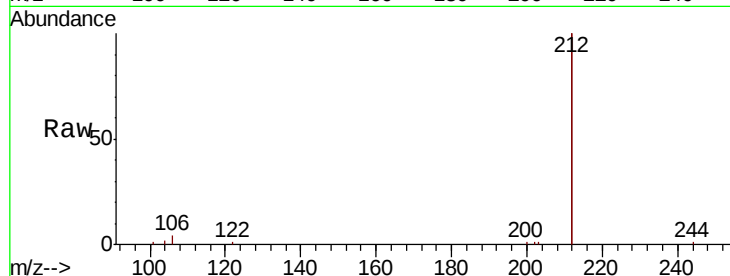
Tot Ion:212 Resp: 26886

Ion Ratio Lower Upper

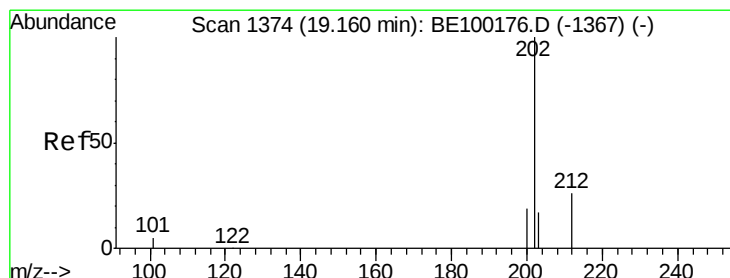
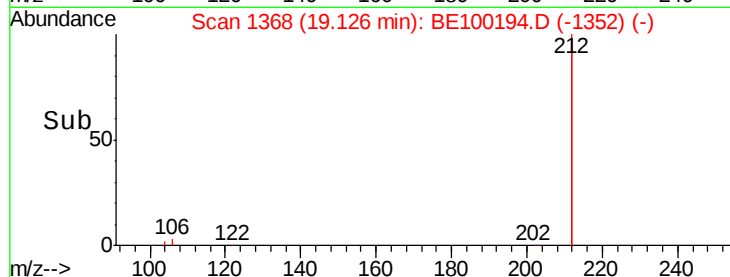
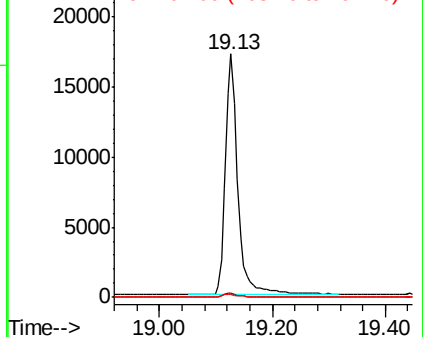
212 100

106 1.6 1.3 1.9

104 1.0 0.7 1.1



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: 0.026 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

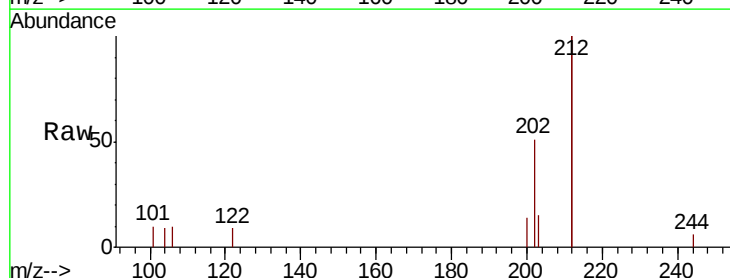
Tgt Ion:202 Resp: 510

Ion Ratio Lower Upper

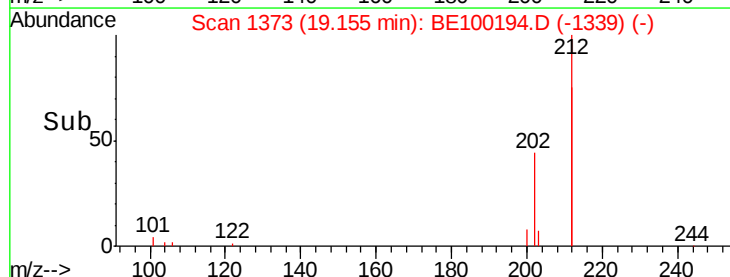
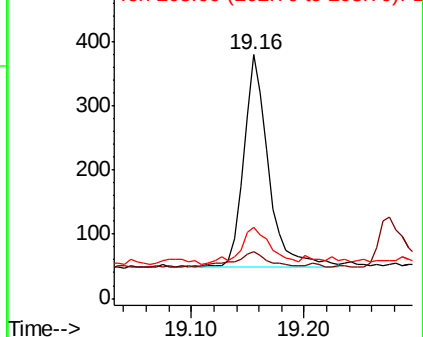
202 100

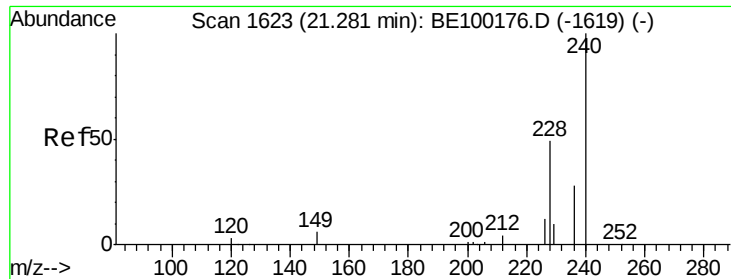
101 9.6 4.5 6.7#

203 20.6 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

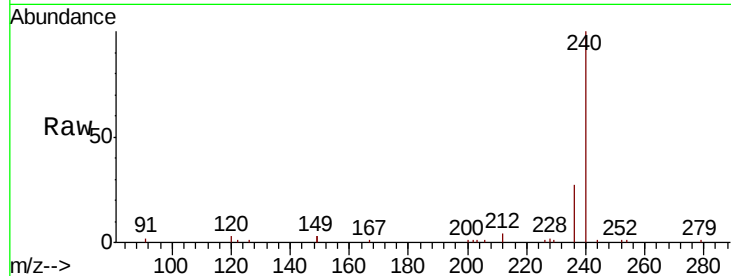




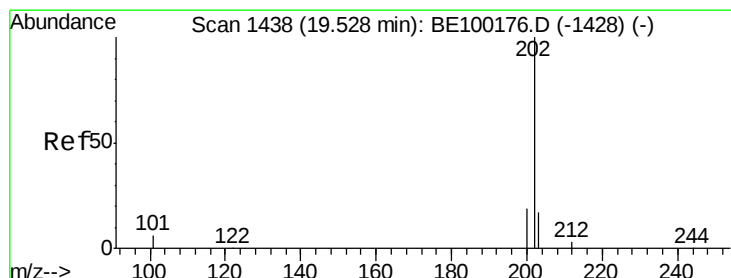
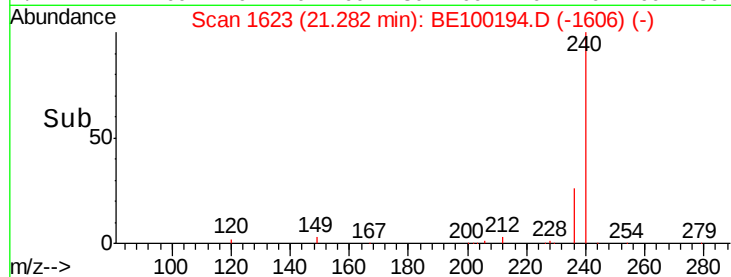
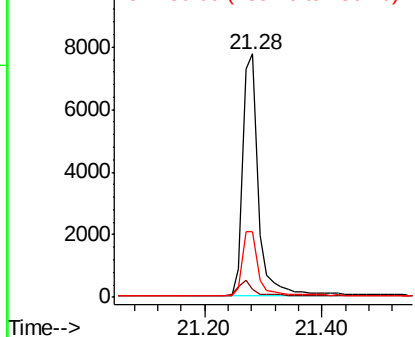
#27
 Chrysene-d12
 Concen: 0.800 ng
 RT: 21.28 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BE100194.D
 Acq: 26 Jun 2019 14:30

Instrument :
 BNA_E
 ClientSampleId :
 OUTFALL001-190611

Tot Ion:240 Resp: 14591
 Ion Ratio Lower Upper
 240 100
 120 3.1 4.1 6.1#
 236 27.0 23.0 34.6

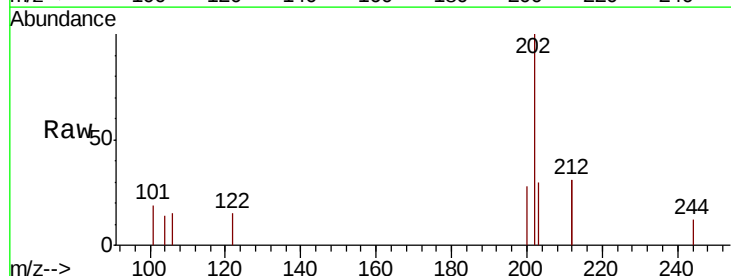


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

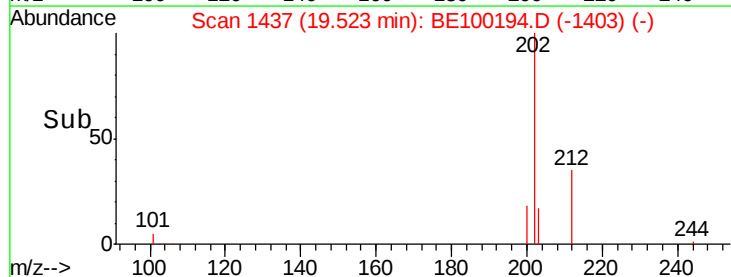
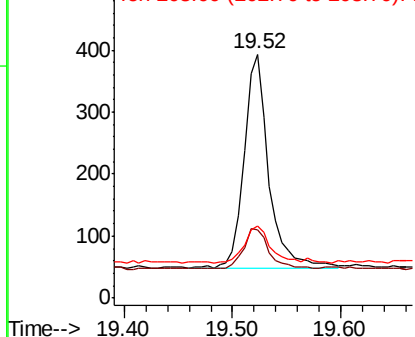


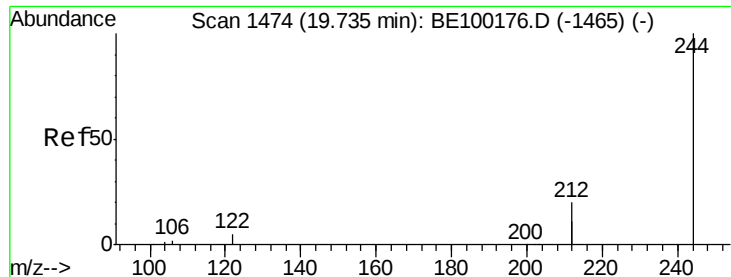
#28
 Pyrene
 Concen: 0.029 ng
 RT: 19.52 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BE100194.D
 Acq: 26 Jun 2019 14:30

Tgt Ion:202 Resp: 538
 Ion Ratio Lower Upper
 202 100
 200 19.3 15.5 23.3
 203 17.8 13.9 20.9



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: 0.525 ng

RT: 19.72 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190611

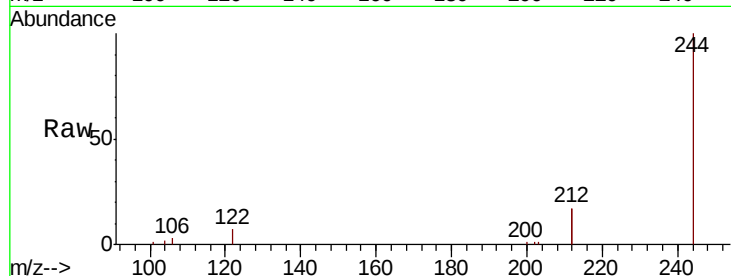
Tot Ion:244 Resp: 7521

Ion Ratio Lower Upper

244 100

212 34.9 30.7 46.1

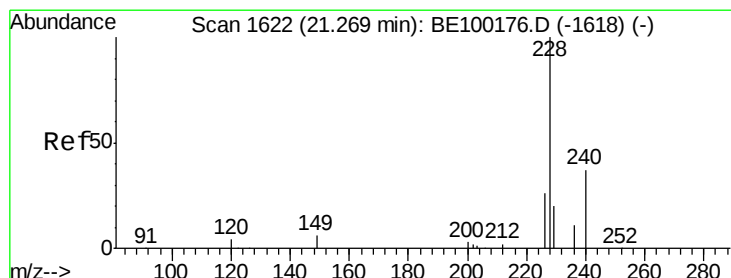
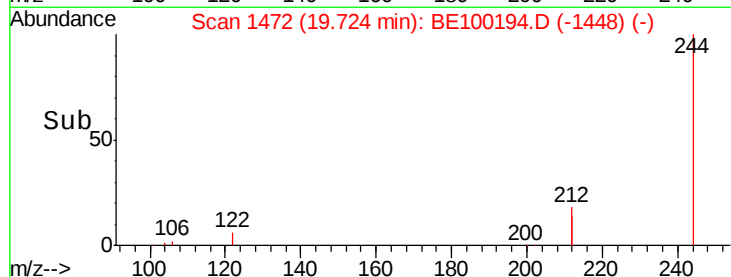
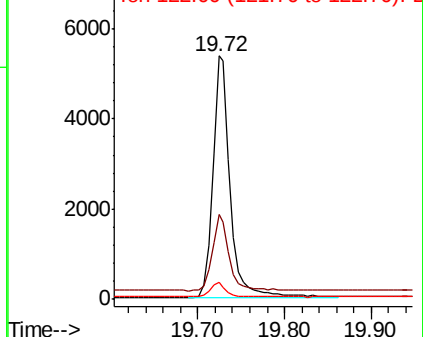
122 6.9 5.8 8.6



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: 0.027 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

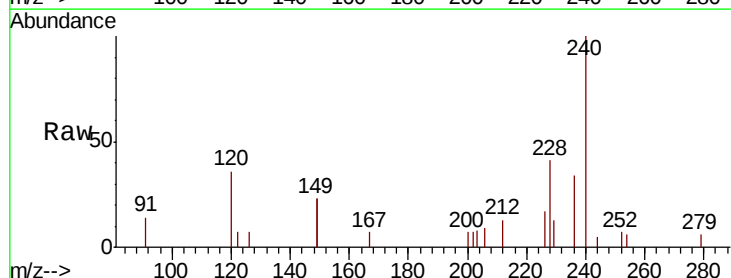
Tgt Ion:228 Resp: 581

Ion Ratio Lower Upper

228 100

226 41.1 21.5 32.3#

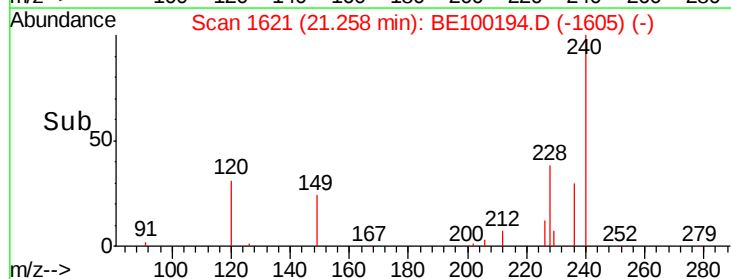
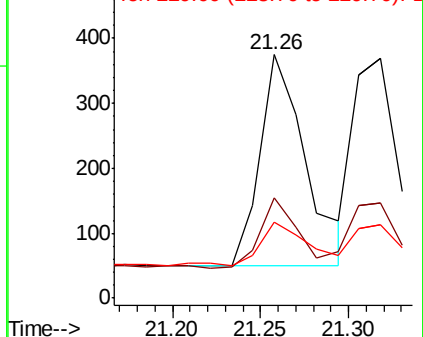
229 31.5 17.2 25.8#

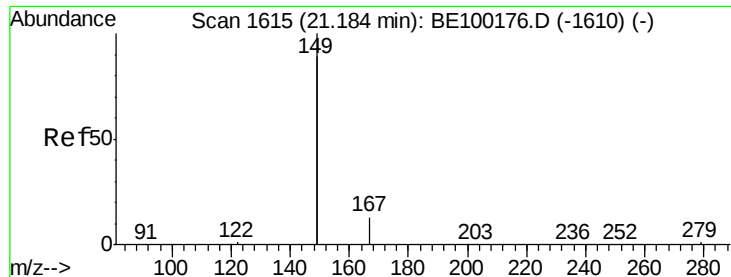


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.692 ng

RT: 21.19 min Scan# 1615

Delta R.T. 0.00 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190611

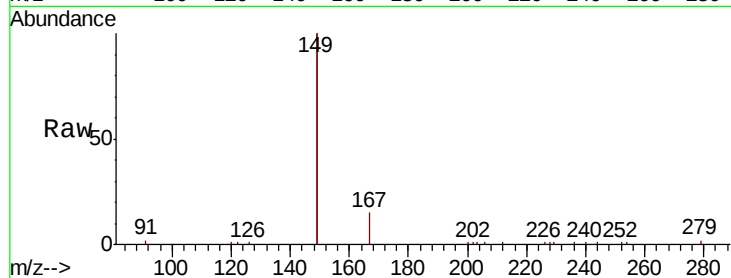
Tot Ion:149 Resp: 17111

Ion Ratio Lower Upper

149 100

167 7.1 5.9 8.9

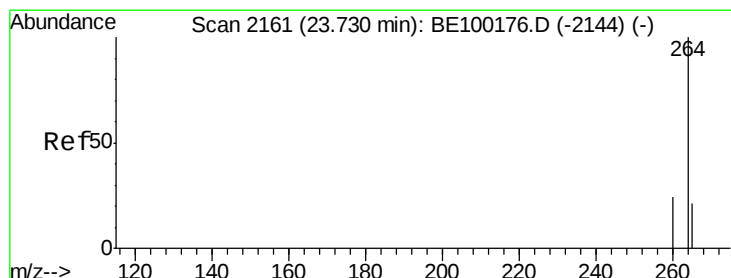
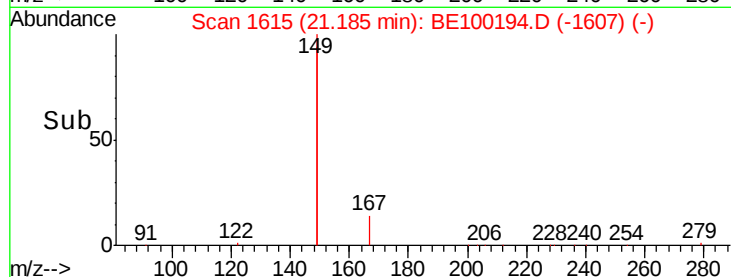
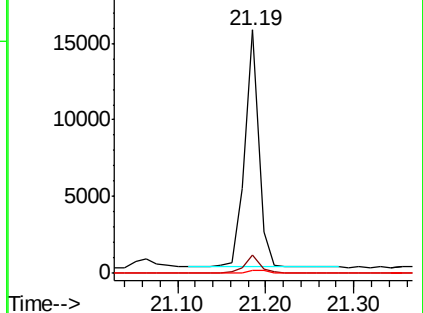
279 1.3 1.0 1.6



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

Perylene-d12

Concen: 0.800 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

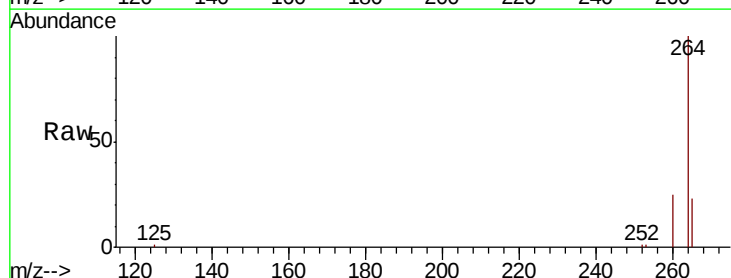
Tgt Ion:264 Resp: 17120

Ion Ratio Lower Upper

264 100

260 25.4 20.4 30.6

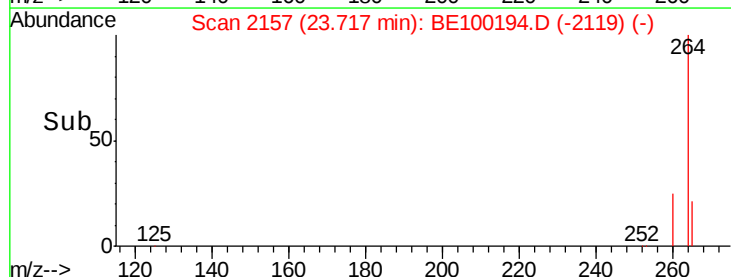
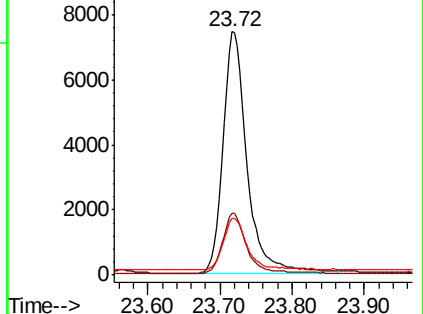
265 23.2 22.5 33.7

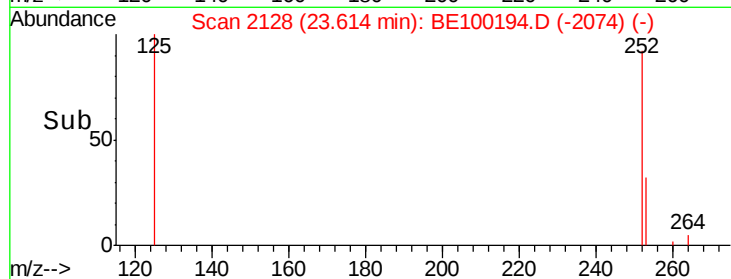
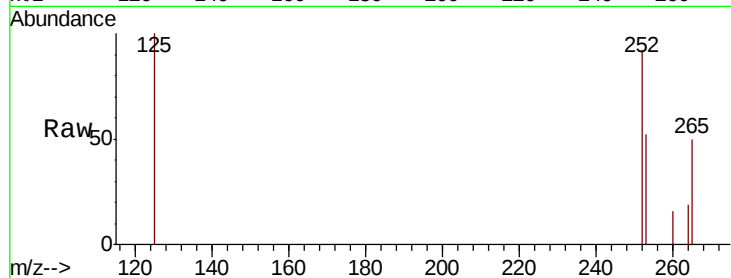
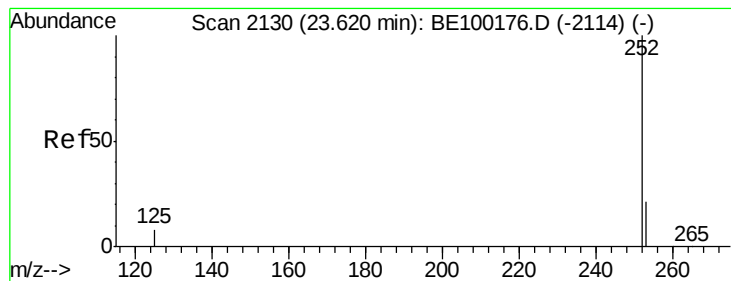


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#37

Benzo(a)pyrene

Concen: 0.025 ng

RT: 23.61 min Scan# 2128

Delta R.T. -0.01 min

Lab File: BE100194.D

Acq: 26 Jun 2019 14:30

Instrument :

BNA_E

ClientSampleId :

OUTFALL001-190611

Tot Ion: 252 Resp: 599

Ion Ratio Lower Upper

252 100

253 56.3 19.2 28.8#

125 108.9 8.2 12.2#

