

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102819\
 Data File : BE100685.D
 Acq On : 28 Oct 2019 22:09
 Operator : JU
 Sample : K5546-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 11:54:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3548	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	15474	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	9902	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	24034	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	34920	0.40	ng	0.00
34) Perylene-d12	23.82	264	40087	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	2648	0.24	ng	0.00
5) Phenol-d6	7.01	99	2709	0.18	ng	0.00
8) Nitrobenzene-d5	8.99	82	3722	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7594	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1157	0.44	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11624	0.32	ng	0.00
25) Fluoranthene-d10	19.22	212	124920	0.40	ng	0.00
29) Terphenyl-d14	19.82	244	30491	0.40	ng	0.00

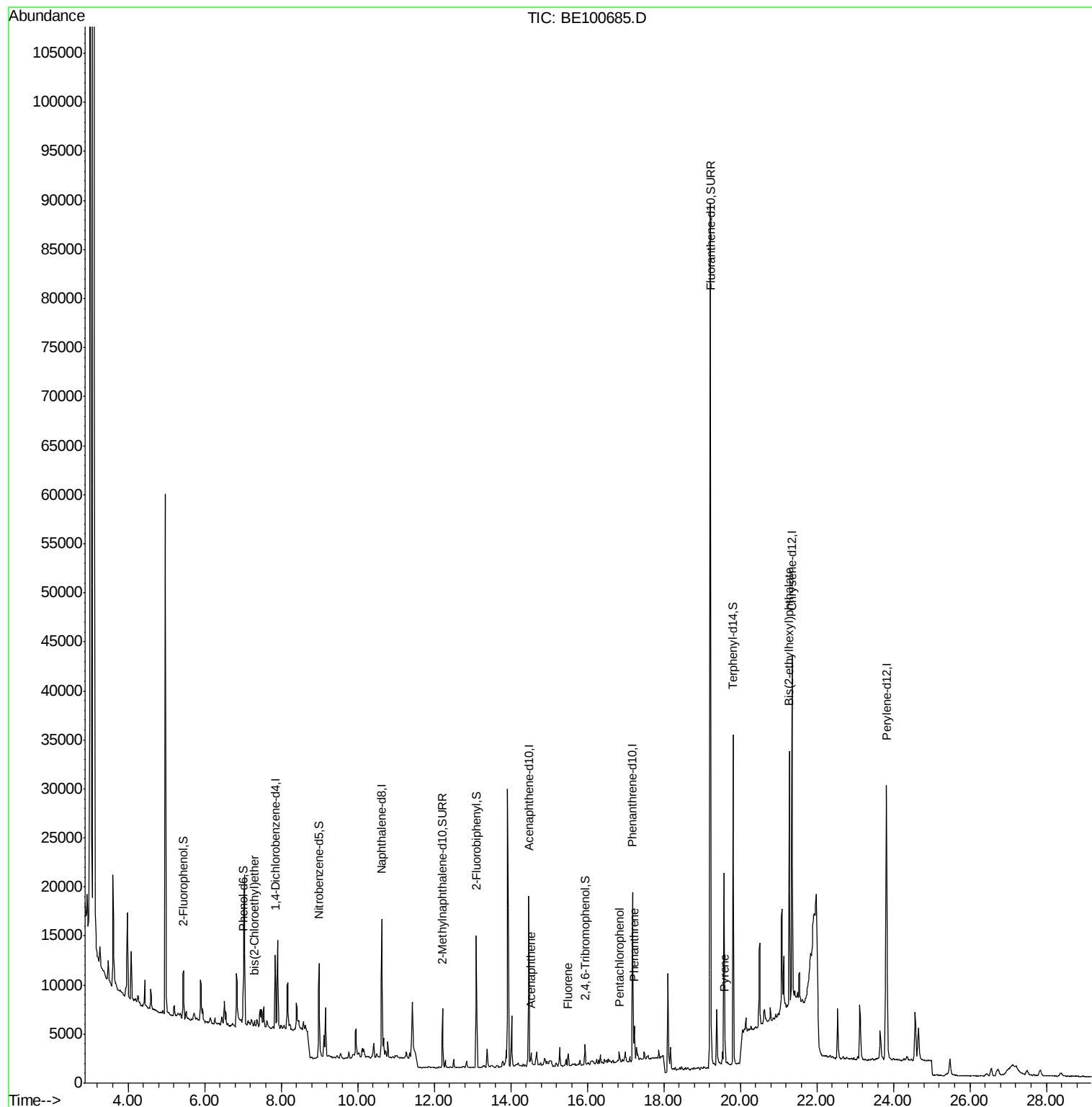
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) bis(2-Chloroethyl)ether	7.30	93	624	0.049	ng	# 1
17) Acenaphthene	14.53	154	645	0.023	ng	92
18) Fluorene	15.50	166	846	0.023	ng	98
22) Pentachlorophenol	16.84	266	937	0.250	ng	# 41
23) Phenanthrene	17.23	178	3992	0.060	ng	# 94
28) Pyrene	19.60	202	1987	0.020	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.28	149	30073	0.126	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_E

ClientSampleId :

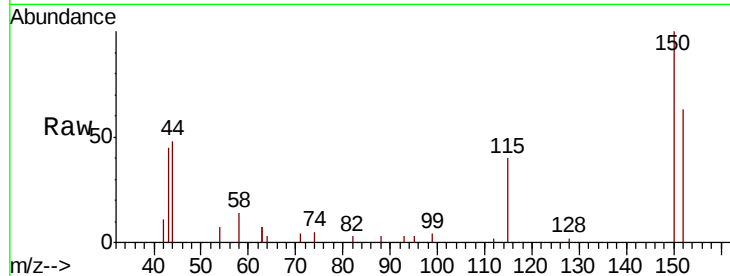
Tot Ion:152 Resp: 3548

Ion Ratio Lower Upper

152 100

150 158.9 123.3 184.9

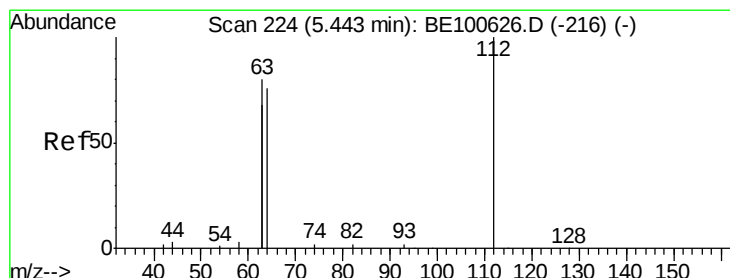
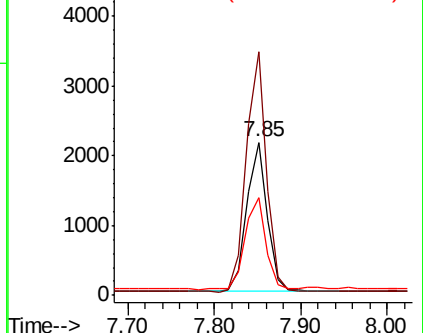
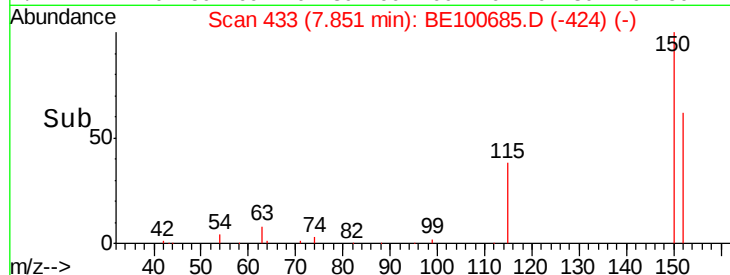
115 64.0 51.9 77.9



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: 0.242 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

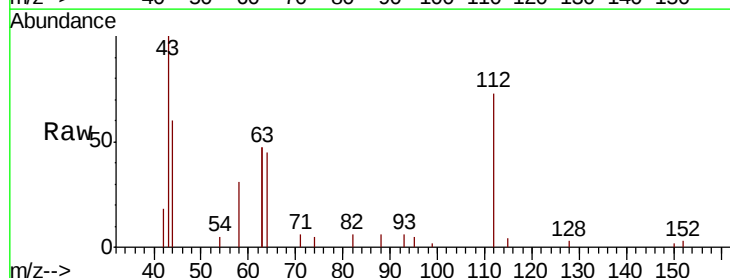
Tgt Ion:112 Resp: 2648

Ion Ratio Lower Upper

112 100

64 71.8 55.4 83.2

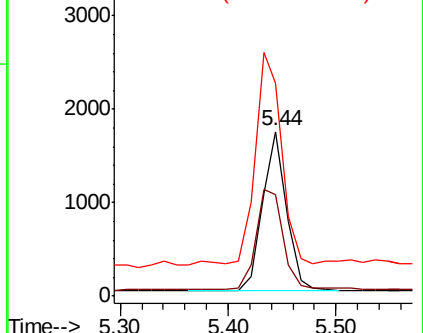
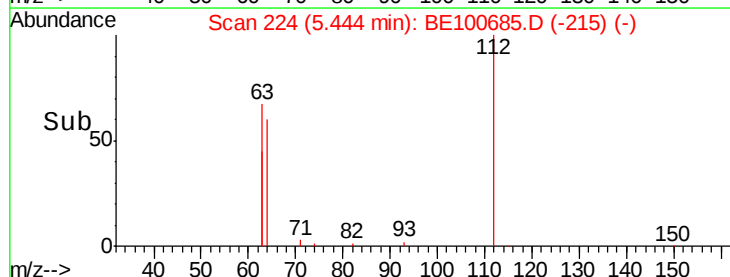
63 145.7 114.2 171.4

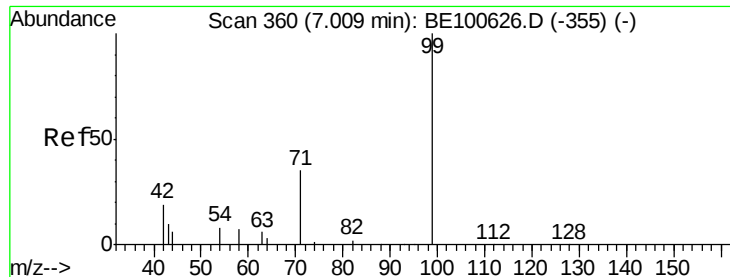


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.175 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_E

ClientSampleId :

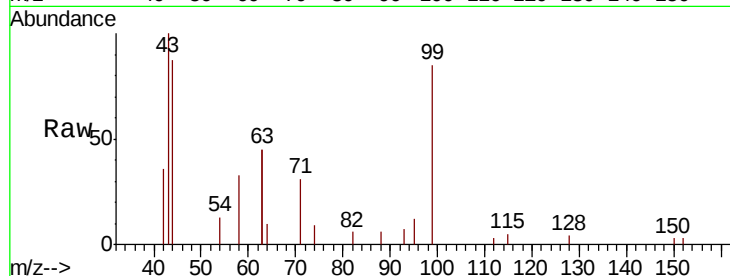
Tot Ion: 99 Resp: 2709

Ion Ratio Lower Upper

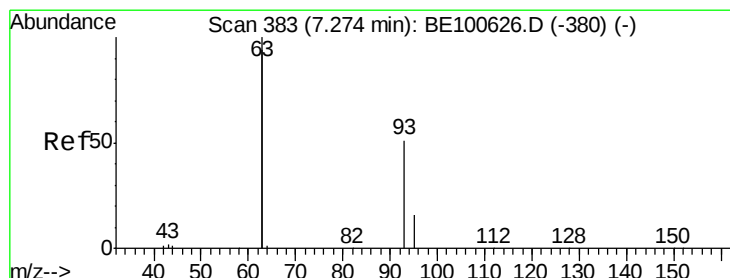
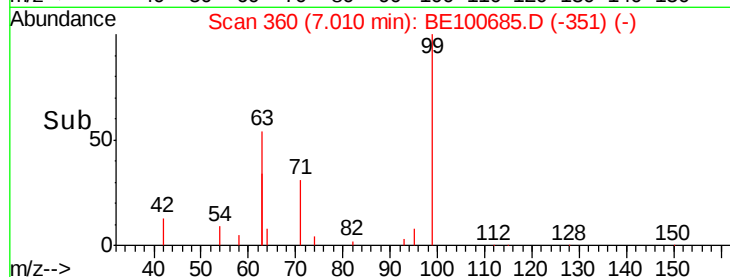
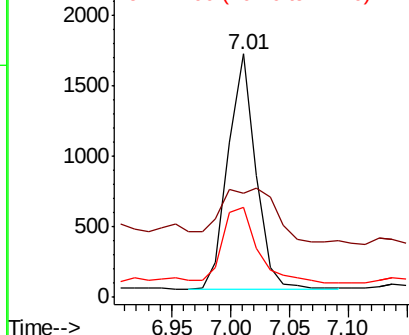
99 100

42 51.9 17.7 26.5#

71 40.6 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.049 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

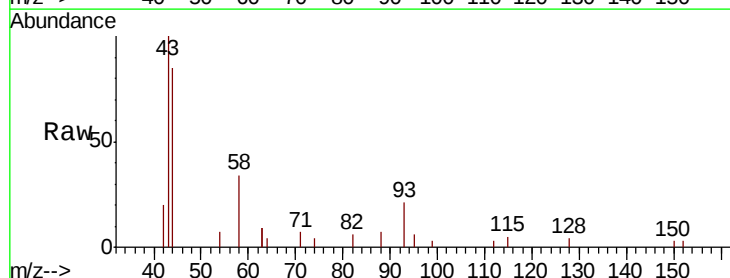
Tgt Ion: 93 Resp: 624

Ion Ratio Lower Upper

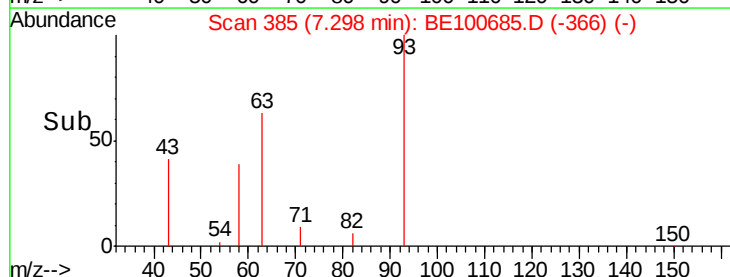
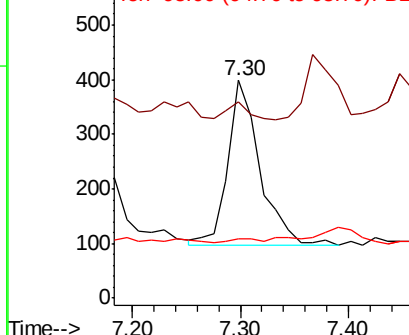
93 100

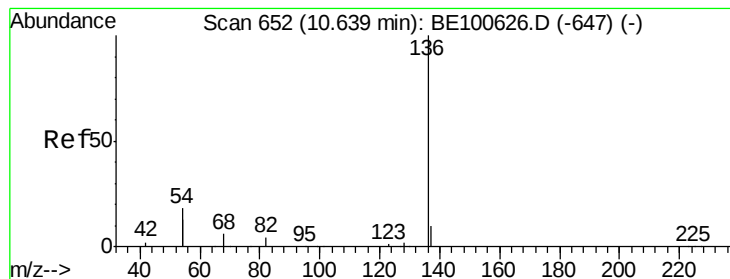
63 7.4 268.8 403.2#

95 2.2 25.6 38.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 15474

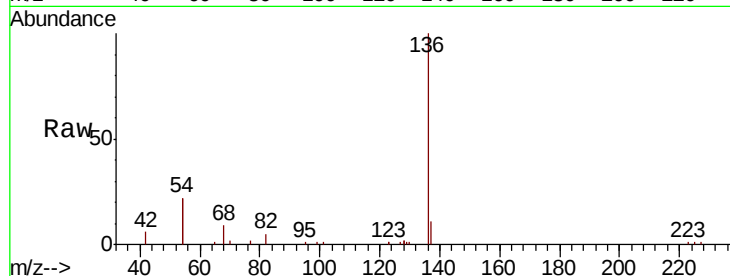
Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 44.5 39.4 59.2

68 8.7 8.0 12.0

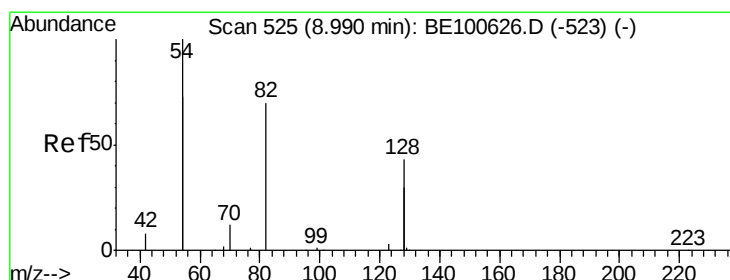
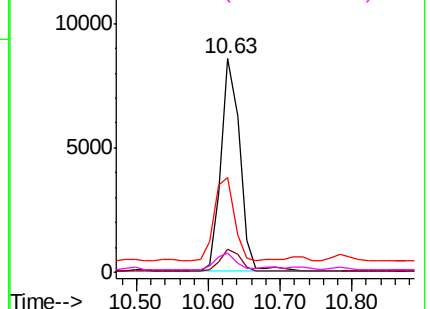
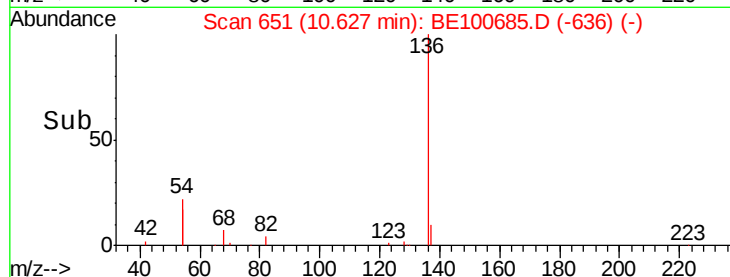


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.388 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

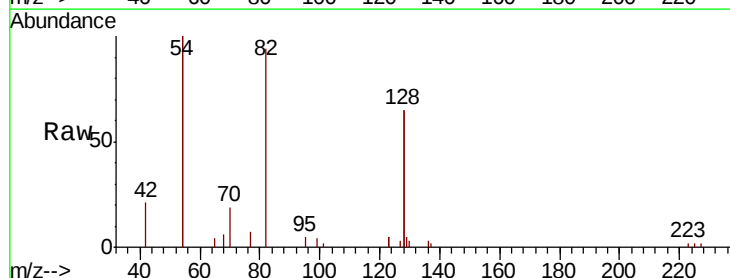
Tgt Ion: 82 Resp: 3722

Ion Ratio Lower Upper

82 100

128 137.3 107.8 161.8

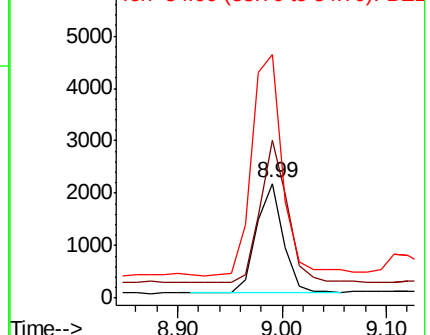
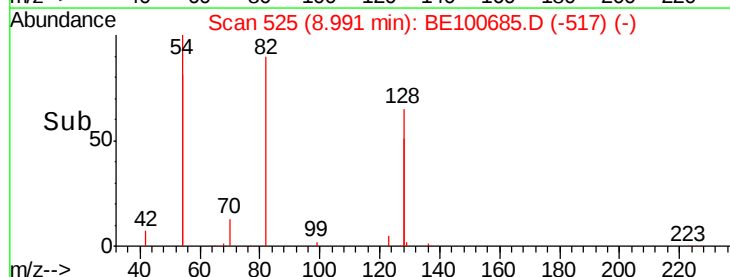
54 212.2 166.1 249.1

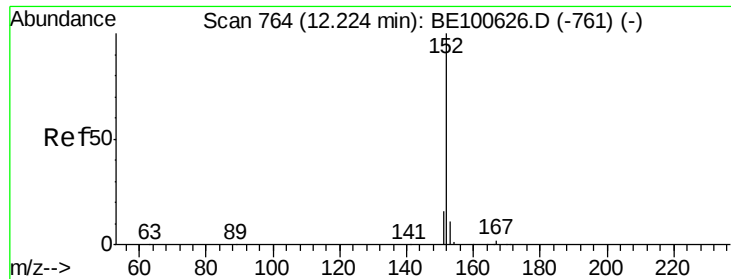


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

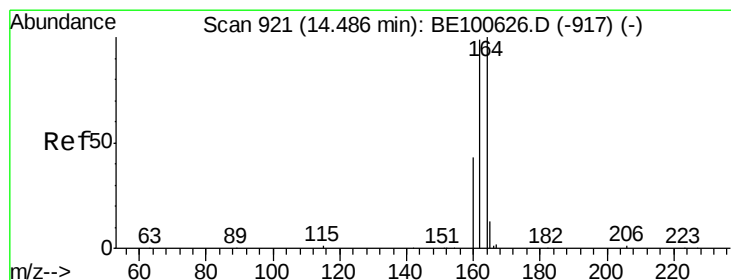
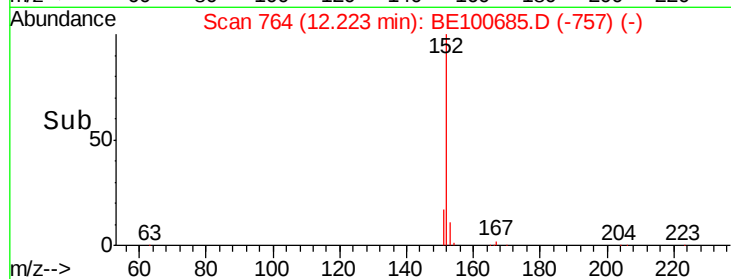
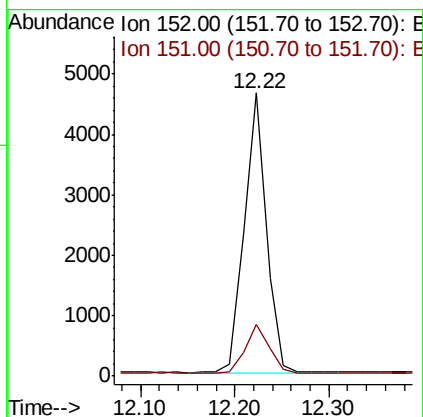
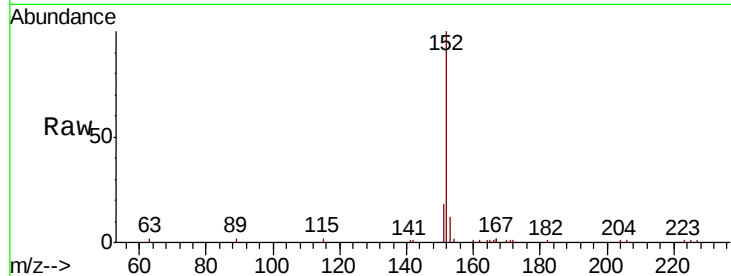




#11
 2-Methylnaphthalene-d10
 Concen: 0.311 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100685.D
 Acq: 28 Oct 2019 22:09

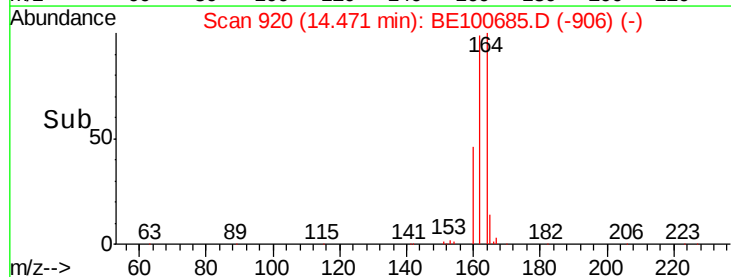
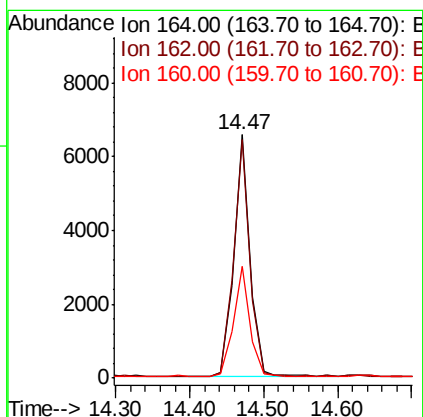
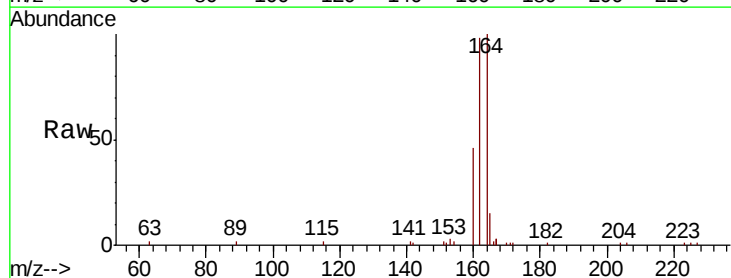
Instrument :
 BNA_E
 ClientSampleId :

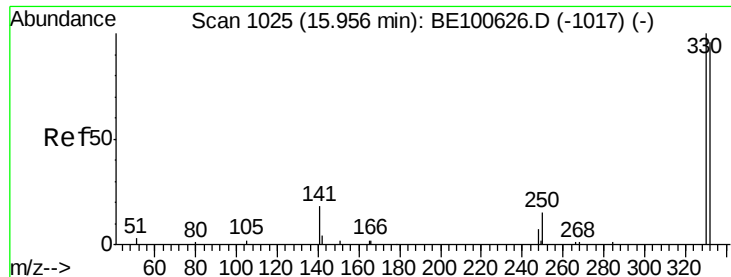
Tot Ion:152 Resp: 7594
 Ion Ratio Lower Upper
 152 100
 151 18.6 14.7 22.1



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE100685.D
 Acq: 28 Oct 2019 22:09

Tgt Ion:164 Resp: 9902
 Ion Ratio Lower Upper
 164 100
 162 98.2 82.0 123.0
 160 45.8 37.5 56.3

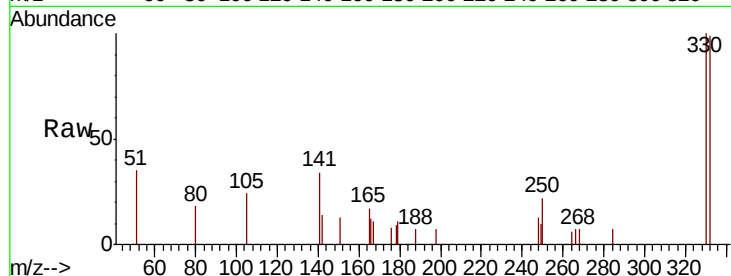




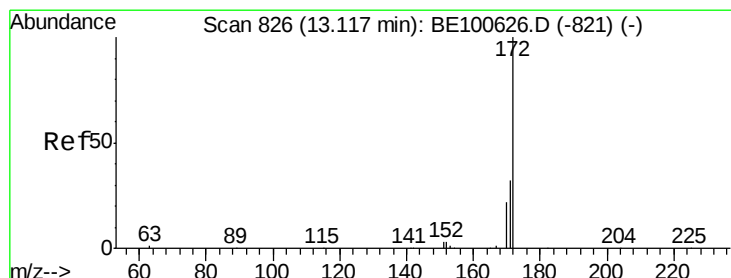
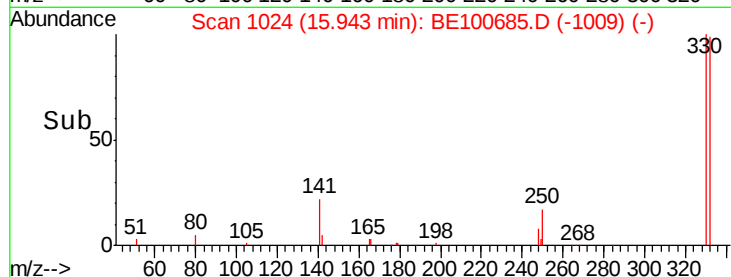
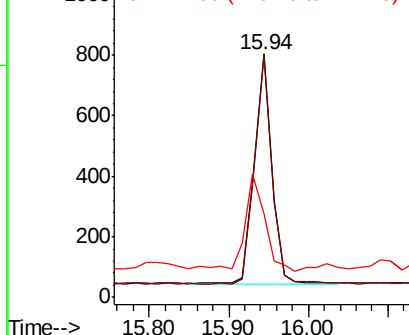
#14
 2,4,6-Tribromophenol
 Concen: 0.442 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE100685.D
 Acq: 28 Oct 2019 22:09

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:330 Resp: 1157
 Ion Ratio Lower Upper
 330 100
 332 99.3 77.9 116.9
 141 48.5 33.0 49.6

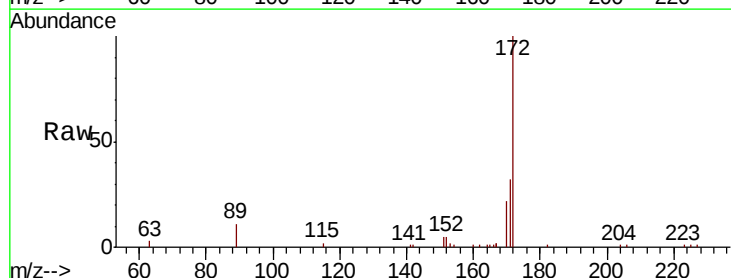


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

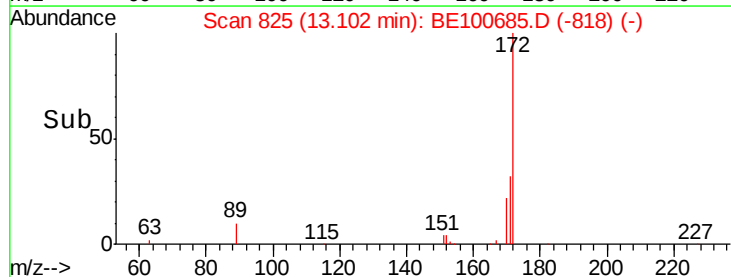
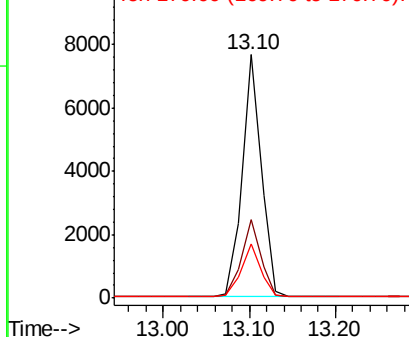


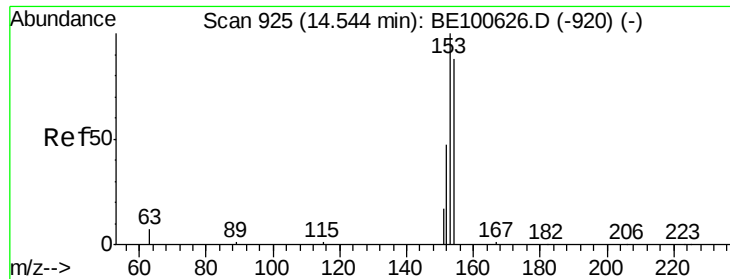
#15
 2-Fluorobiphenyl
 Concen: 0.322 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE100685.D
 Acq: 28 Oct 2019 22:09

Tgt Ion:172 Resp: 11624
 Ion Ratio Lower Upper
 172 100
 171 32.3 26.5 39.7
 170 22.2 19.0 28.4



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

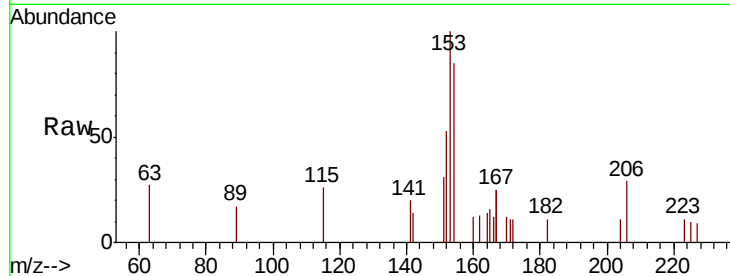




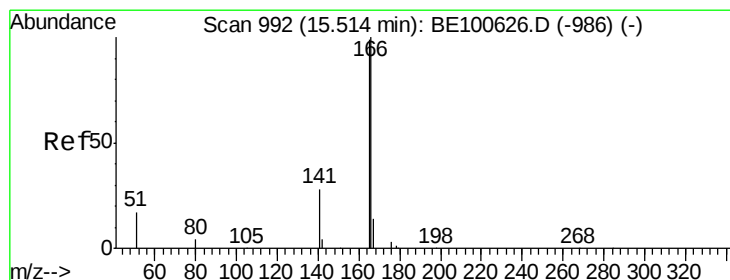
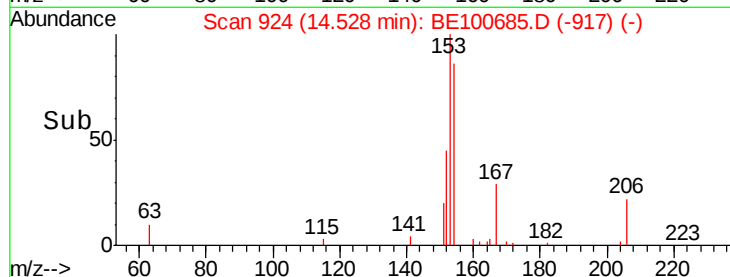
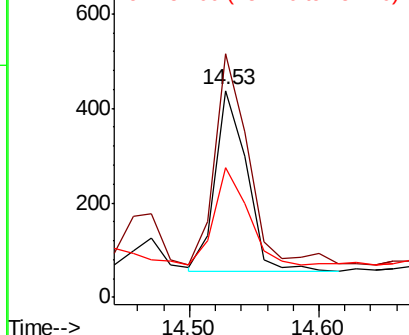
#17
Acenaphthene
Concen: 0.023 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE100685.D
Acq: 28 Oct 2019 22:09

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 645
Ion Ratio Lower Upper
154 100
153 123.6 89.4 134.2
152 57.4 44.1 66.1

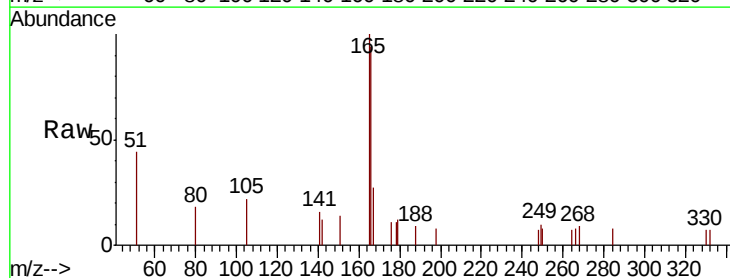


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

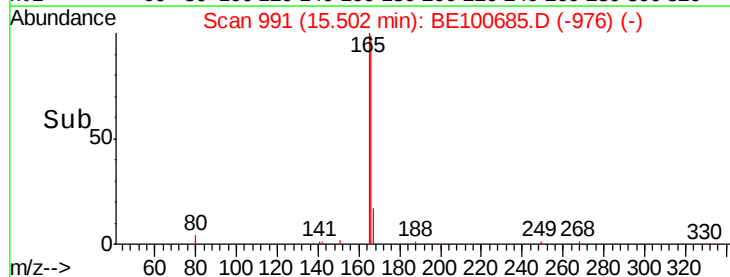
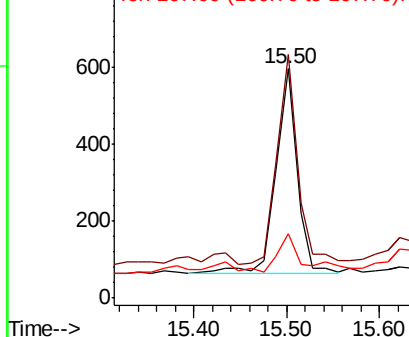


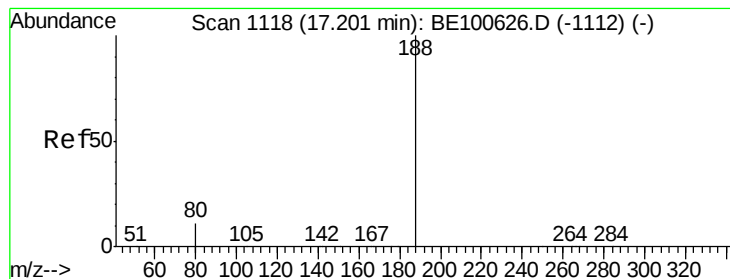
#18
Fluorene
Concen: 0.023 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.00 min
Lab File: BE100685.D
Acq: 28 Oct 2019 22:09

Tgt Ion:166 Resp: 846
Ion Ratio Lower Upper
166 100
165 100.1 78.6 117.8
167 16.2 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_E

ClientSampleId :

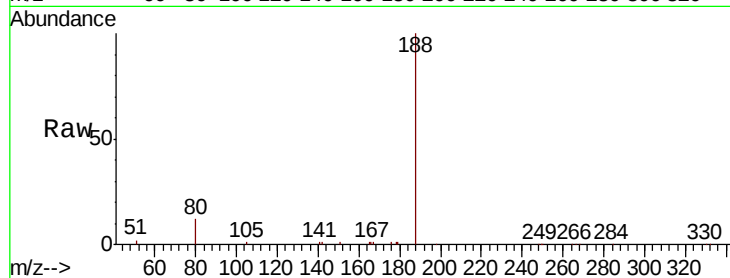
Tot Ion:188 Resp: 24034

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 5.4 8.0#

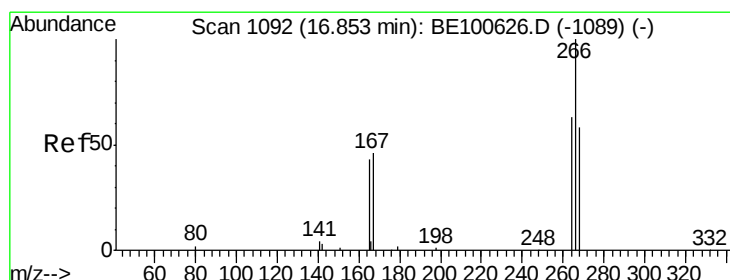
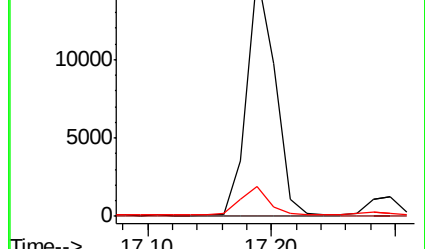
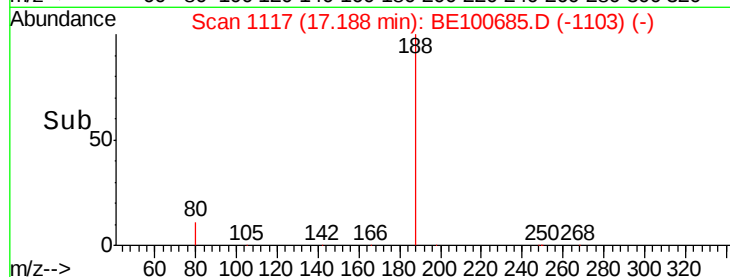


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1

Time-->



#22

Pentachlorophenol

Concen: 0.250 ng

RT: 16.84 min Scan# 1091

Delta R.T. -0.01 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

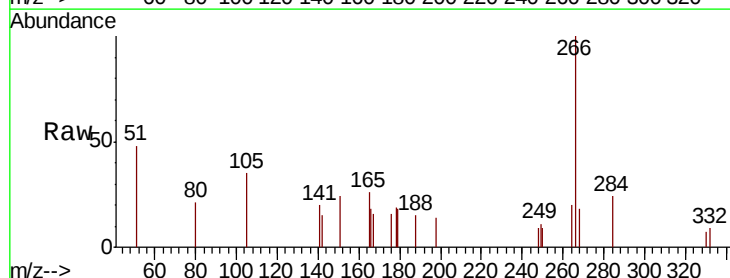
Tgt Ion:266 Resp: 937

Ion Ratio Lower Upper

266 100

264 20.4 52.2 78.4#

268 17.7 53.1 79.7#

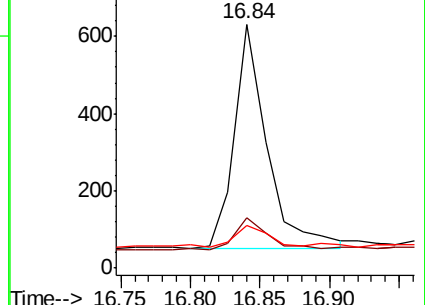
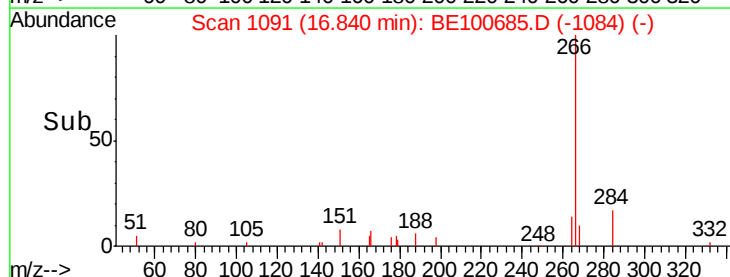


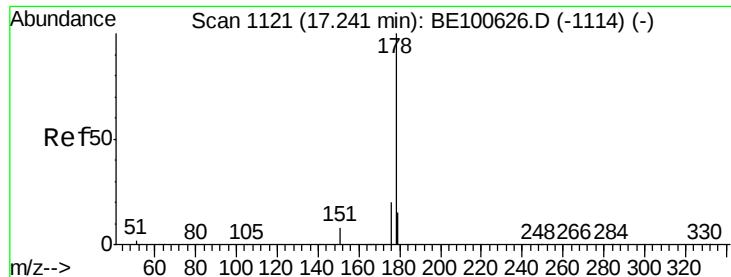
Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

Time-->





#23

Phenanthrene

Concen: 0.060 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

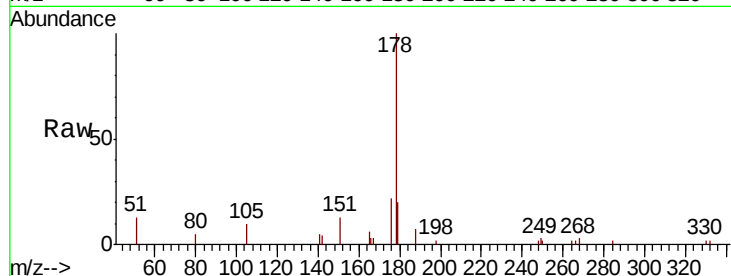
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 3992

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	20.1	12.1	18.1

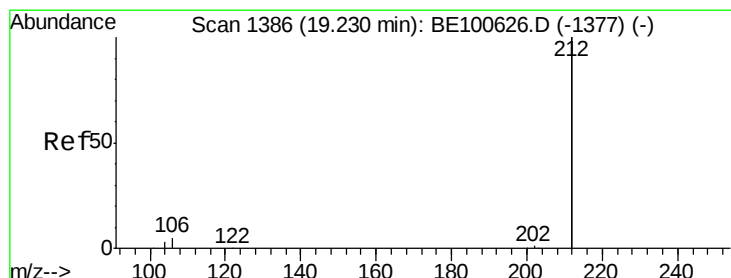
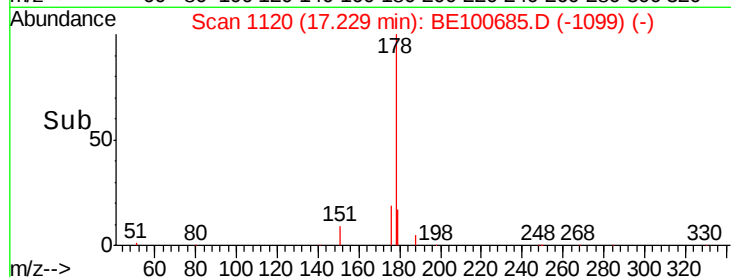
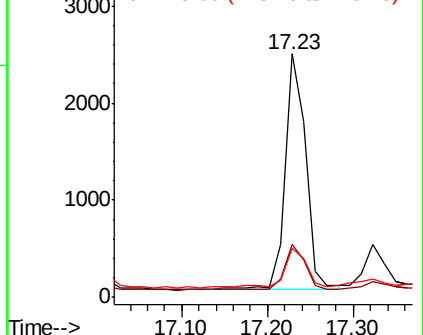


Abundance

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



#25

Fluoranthene-d10

Concen: 0.403 ng

RT: 19.22 min Scan# 1384

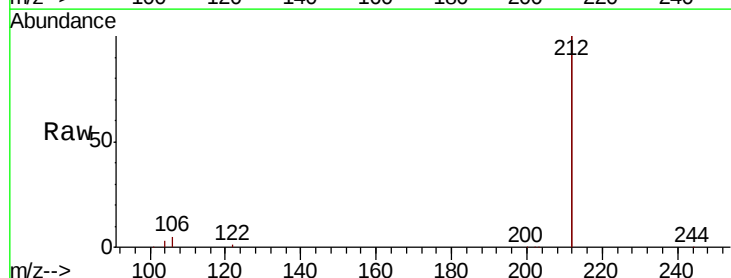
Delta R.T. -0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Tgt Ion:212 Resp: 124920

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.3	3.5
104	1.6	1.3	1.9

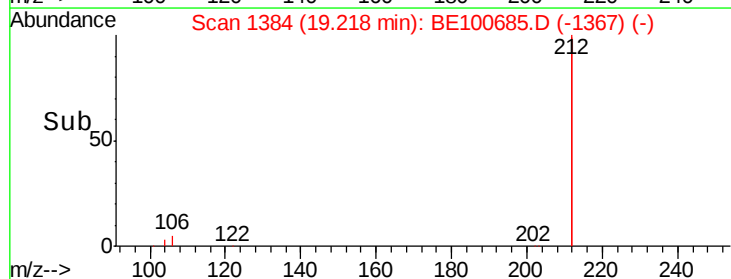
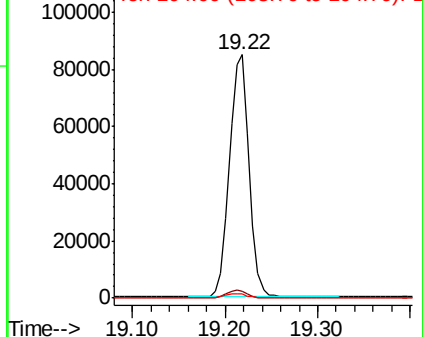


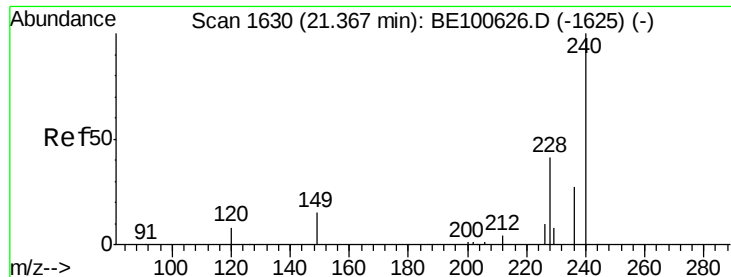
Abundance

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

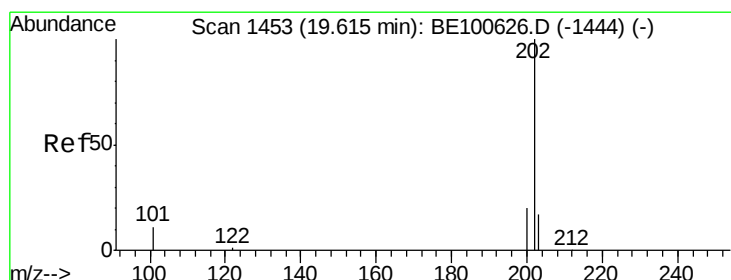
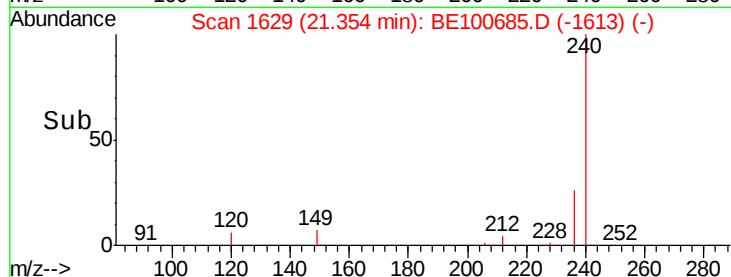
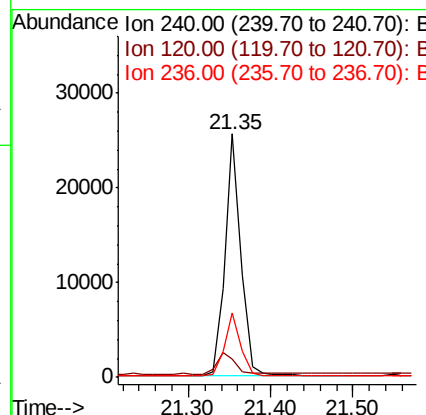
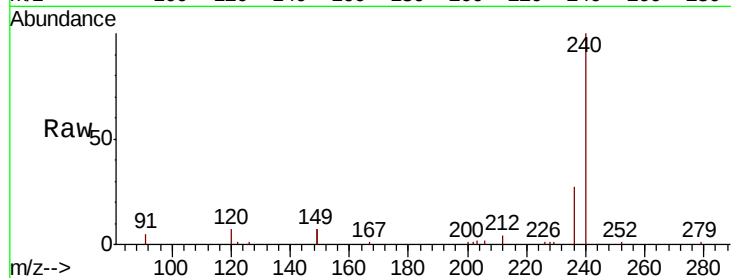




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100685.D
Acq: 28 Oct 2019 22:09

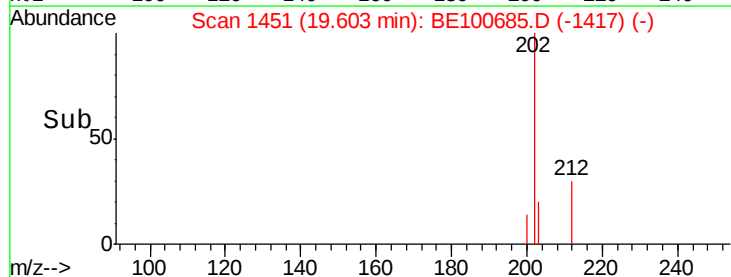
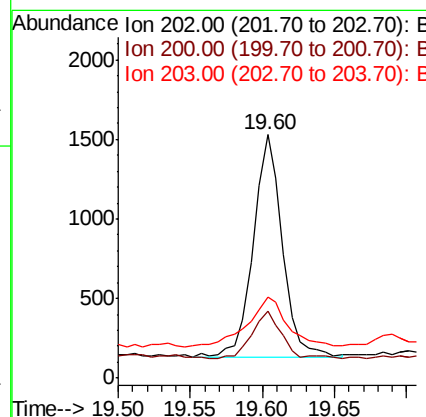
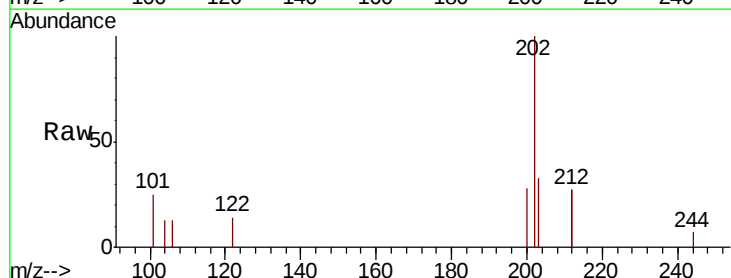
Instrument :
BNA_E
ClientSampleId :

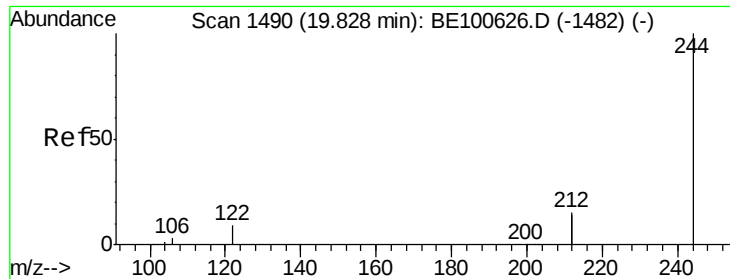
Tot Ion:240 Resp: 34920
Ion Ratio Lower Upper
240 100
120 7.4 7.6 11.4#
236 26.6 22.1 33.1



#28
Pyrene
Concen: 0.020 ng
RT: 19.60 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE100685.D
Acq: 28 Oct 2019 22:09

Tgt Ion:202 Resp: 1987
Ion Ratio Lower Upper
202 100
200 20.7 16.7 25.1
203 31.1 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.399 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_E

ClientSampleId :

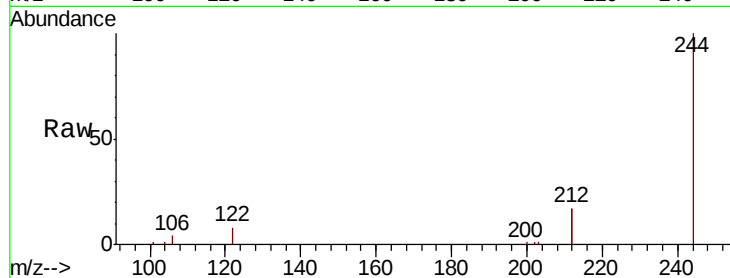
Tot Ion:244 Resp: 30491

Ion Ratio Lower Upper

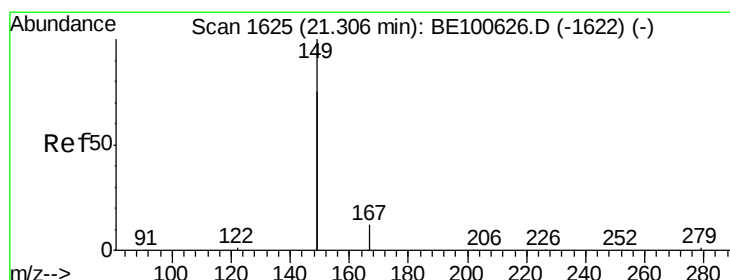
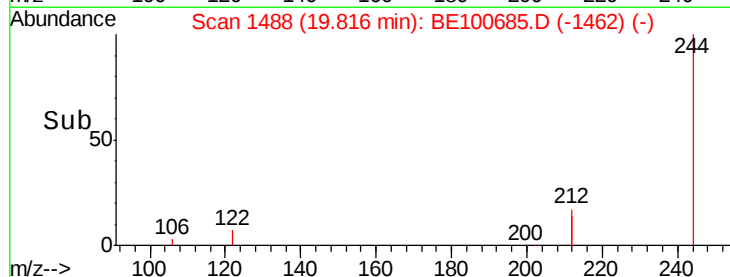
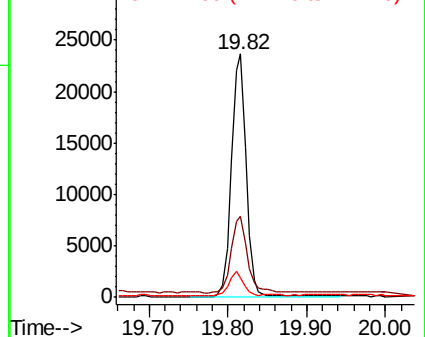
244 100

212 33.5 23.7 35.5

122 8.2 7.9 11.9



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.126 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

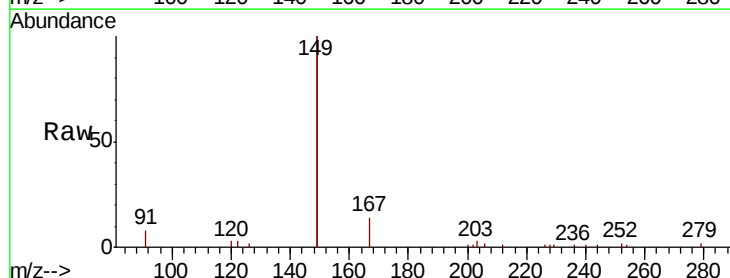
Tgt Ion:149 Resp: 30073

Ion Ratio Lower Upper

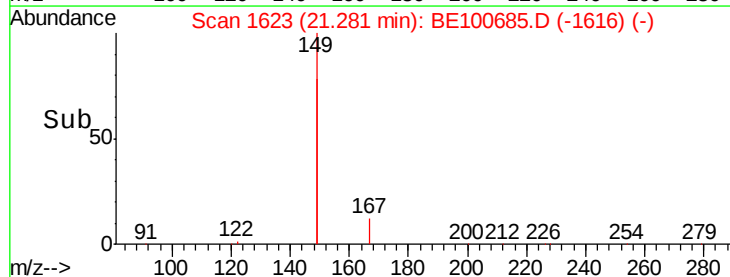
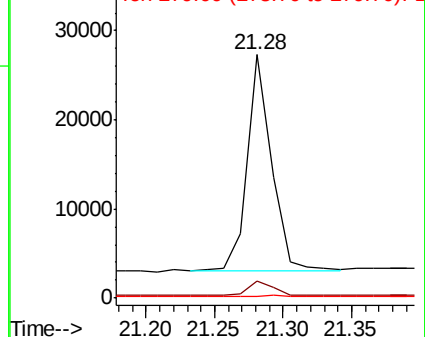
149 100

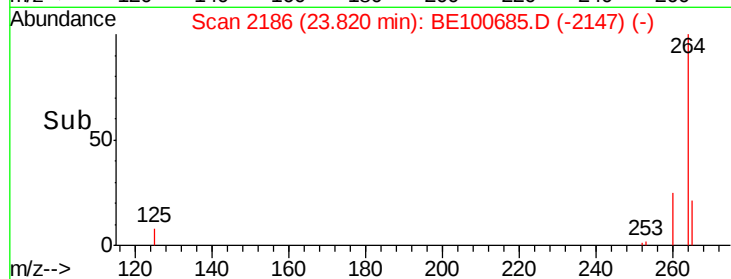
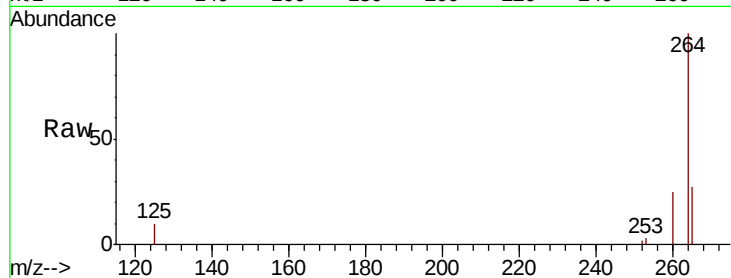
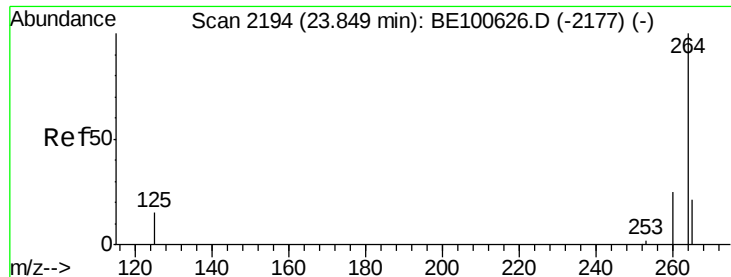
167 7.1 5.5 8.3

279 1.1 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: 23.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BE100685.D

Acq: 28 Oct 2019 22:09

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 40087

Ion Ratio Lower Upper

264 100

260 25.2 19.4 29.2

265 27.4 21.7 32.5

