

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102919\
 Data File : BE100698.D
 Acq On : 29 Oct 2019 19:03
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 30 06:07:24 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	4550	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	20413	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	13172	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	32499	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	37938	0.40	ng	0.00
34) Perylene-d12	23.82	264	44723	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	6014	0.43	ng	0.00
5) Phenol-d6	7.01	99	9026	0.46	ng	0.00
8) Nitrobenzene-d5	8.99	82	6827	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	14352	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1895	0.54	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	20518	0.43	ng	0.00
25) Fluoranthene-d10	19.21	212	180903	0.43	ng	0.00
29) Terphenyl-d14	19.81	244	39165	0.47	ng	0.00

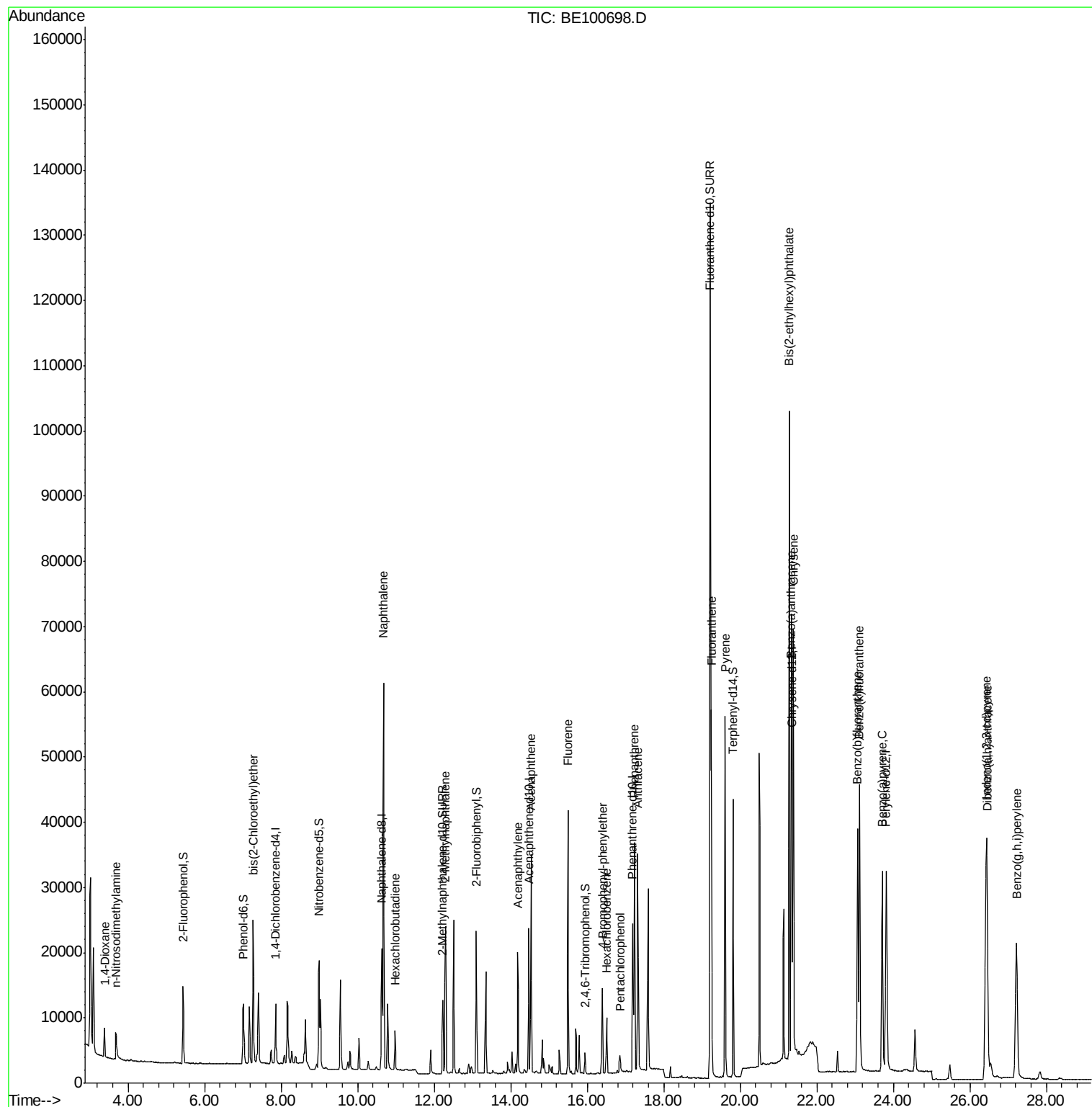
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	3512	0.433	ng	93
3) n-Nitrosodimethylamine	3.68	42	3571	0.416	ng	# 91
6) bis(2-Chloroethyl)ether	7.26	93	7553	0.464	ng	97
9) Naphthalene	10.68	128	95798	0.446	ng	99
10) Hexachlorobutadiene	10.98	225	4139	0.444	ng	98
12) 2-Methylnaphthalene	12.30	142	16453	0.450	ng	99
16) Acenaphthylene	14.18	152	23176	0.409	ng	99
17) Acenaphthene	14.53	154	16275	0.444	ng	98
18) Fluorene	15.50	166	21734	0.447	ng	99
20) 4-Bromophenyl-phenylether	16.40	248	7260	0.439	ng	# 91
21) Hexachlorobenzene	16.50	284	6796	0.431	ng	99
22) Pentachlorophenol	16.85	266	1774	0.350	ng	98
23) Phenanthrene	17.23	178	40198	0.450	ng	99
24) Anthracene	17.32	178	35784	0.431	ng	99
26) Fluoranthene	19.24	202	50970	0.437	ng	100
28) Pyrene	19.60	202	52313	0.494	ng	100
30) Benzo(a)anthracene	21.33	228	55173	0.446	ng	97
31) Chrysene	21.39	228	54832	0.443	ng	98
32) Bis(2-ethylhexyl)phthalate	21.28	149	104982	0.406	ng	100
33) Indeno(1,2,3-cd)pyrene	26.42	276	64551	0.425	ng	99
35) Benzo(b)fluoranthene	23.06	252	54816	0.420	ng	98
36) Benzo(k)fluoranthene	23.11	252	59162	0.441	ng	98
37) Benzo(a)pyrene	23.71	252	50132	0.413	ng	99
38) Dibenzo(a,h)anthracene	26.45	278	53435	0.426	ng	99
39) Benzo(g,h,i)perylene	27.21	276	54479	0.432	ng	100

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

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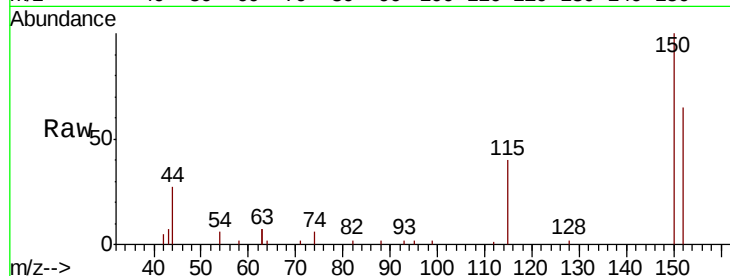


#1

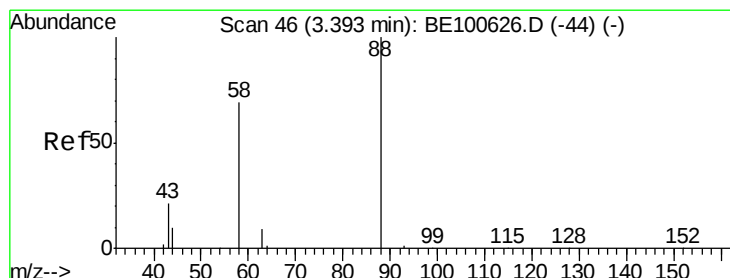
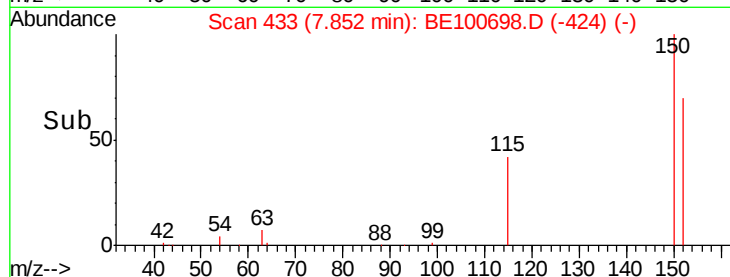
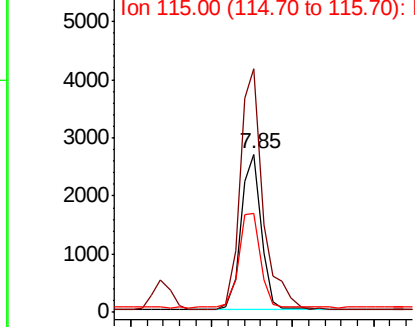
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.85 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: BE100698.D
 Acq: 29 Oct 2019 19:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 152 Resp: 4550
 Ion Ratio Lower Upper
 152 100
 150 154.2 123.3 184.9
 115 62.4 51.9 77.9



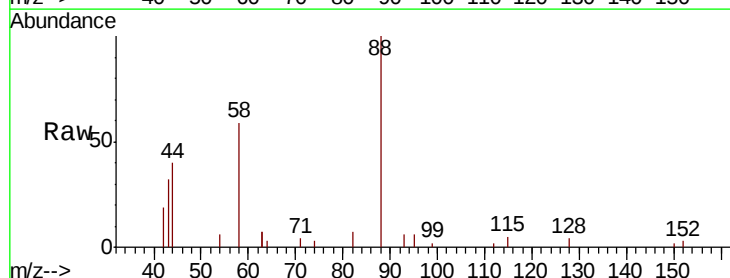
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



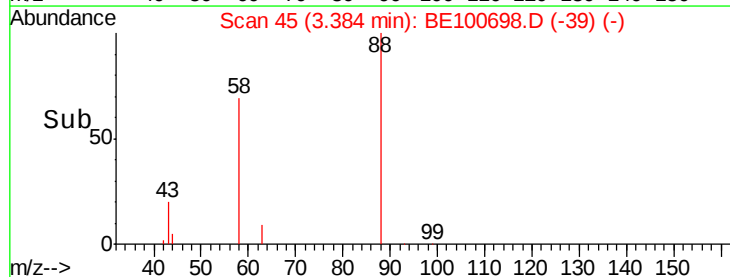
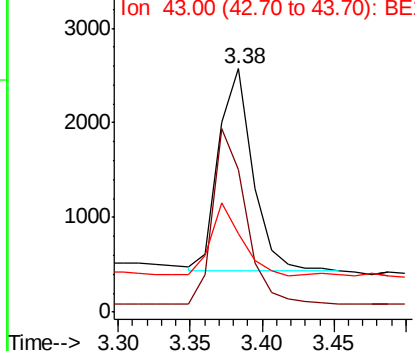
#2

1,4-Dioxane
 Concen: 0.433 ng
 RT: 3.38 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE100698.D
 Acq: 29 Oct 2019 19:03

Tgt Ion: 88 Resp: 3512
 Ion Ratio Lower Upper
 88 100
 58 83.2 59.8 89.6
 43 30.7 24.6 36.8



Abundance Ion 88.00 (87.70 to 88.70): BE1
 Ion 58.00 (57.70 to 58.70): BE1
 Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.416 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

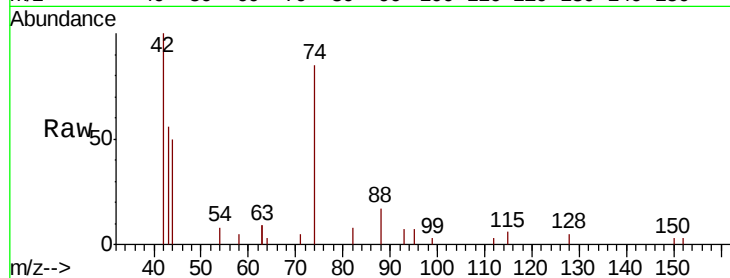
Tot Ion: 42 Resp: 3571

Ion Ratio Lower Upper

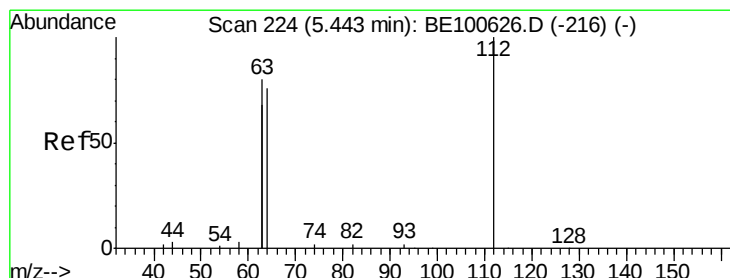
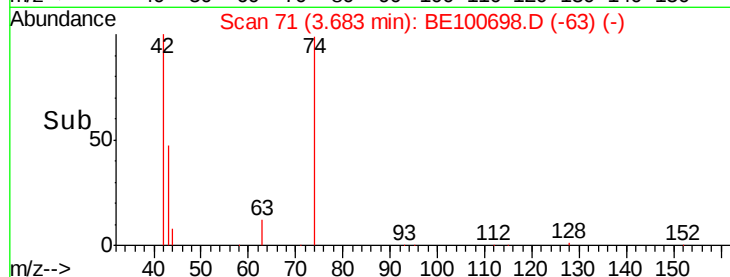
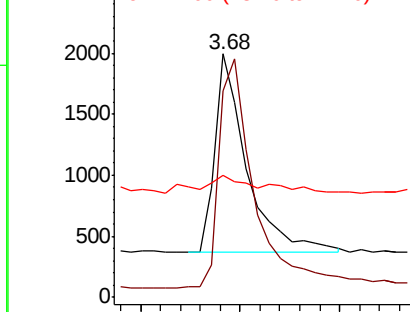
42 100

74 129.1 97.2 145.8

44 11.8 16.6 24.8#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



#4

2-Fluorophenol

Concen: 0.428 ng

RT: 5.43 min Scan# 223

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

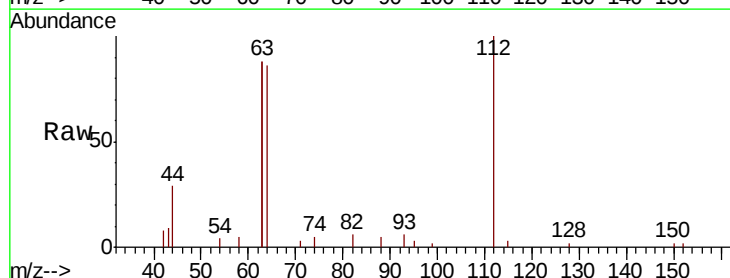
Tgt Ion: 112 Resp: 6014

Ion Ratio Lower Upper

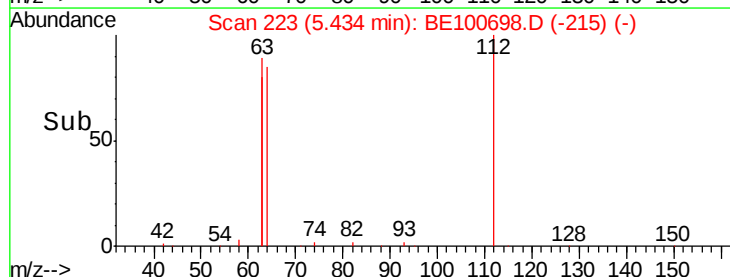
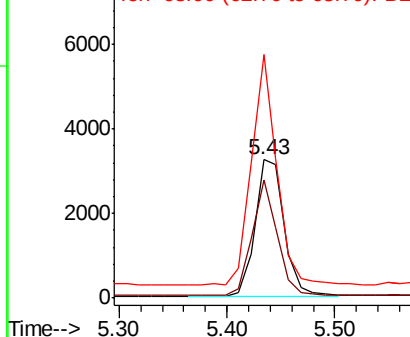
112 100

64 73.4 55.4 83.2

63 147.5 114.2 171.4



Abundance Ion 112.00 (111.70 to 112.70): BE1
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.456 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

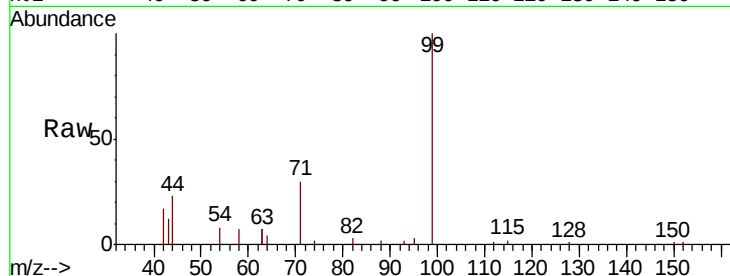
Tot Ion: 99 Resp: 9026

Ion Ratio Lower Upper

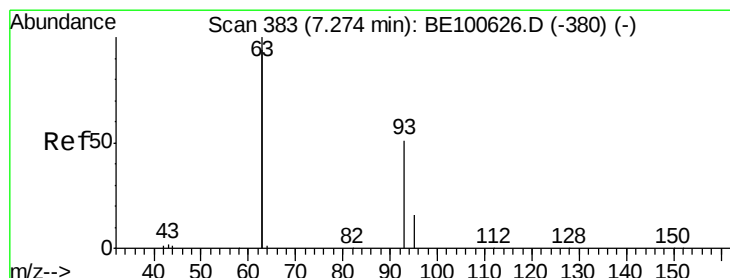
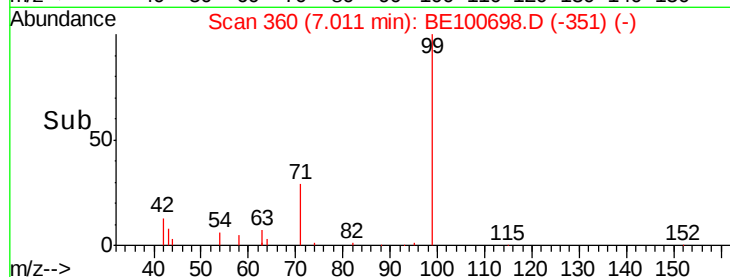
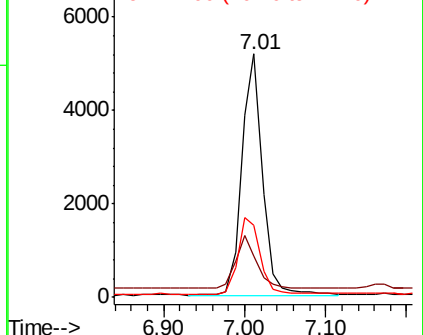
99 100

42 22.3 17.7 26.5

71 34.2 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: 0.464 ng

RT: 7.26 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

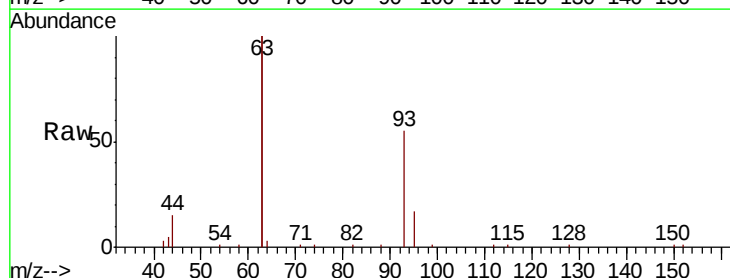
Tgt Ion: 93 Resp: 7553

Ion Ratio Lower Upper

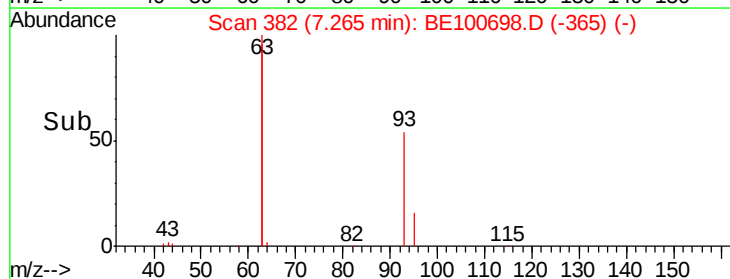
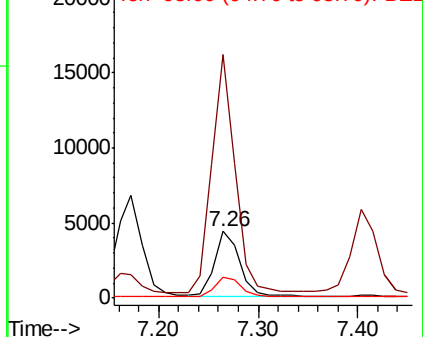
93 100

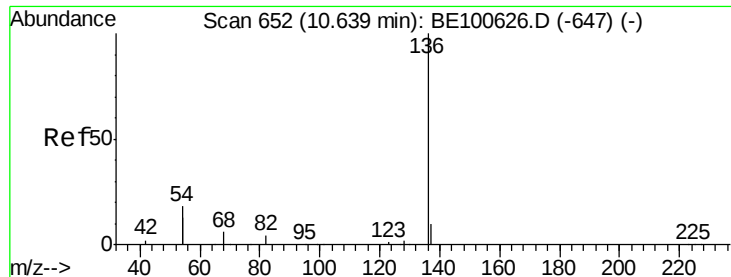
63 341.7 268.8 403.2

95 31.2 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: BE100698.D

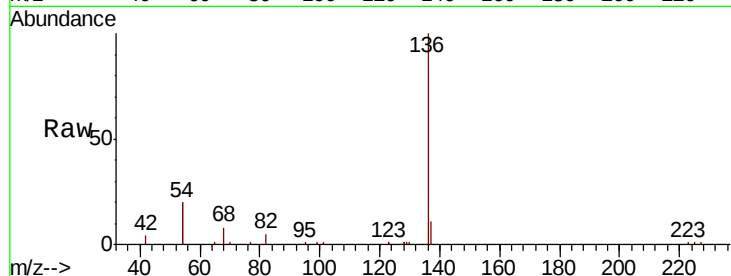
Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136	Resp:	20413
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.2 13.8
54	39.5	39.4 59.2
68	7.7	8.0 12.0#

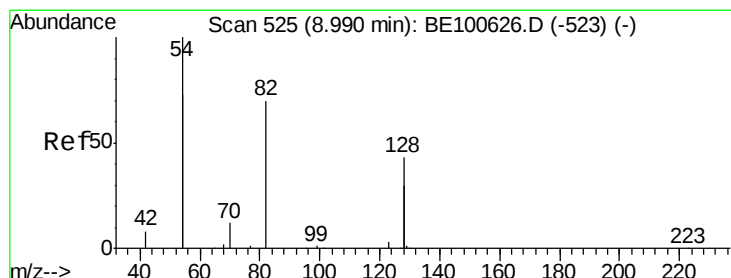
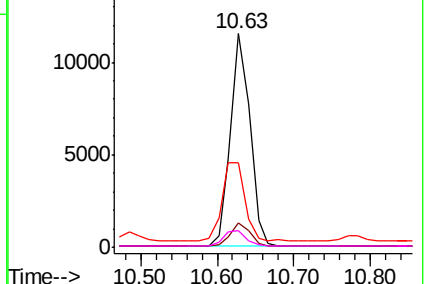
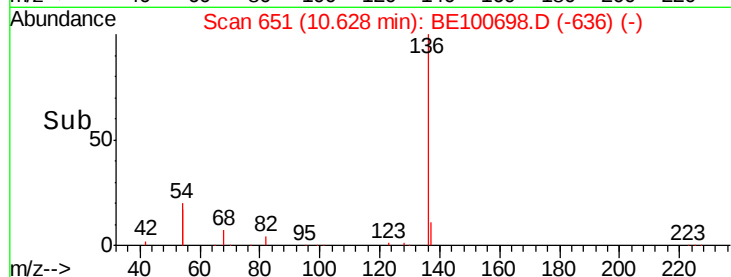


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.540 ng

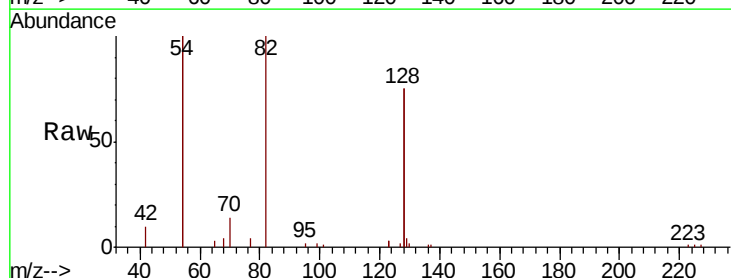
RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

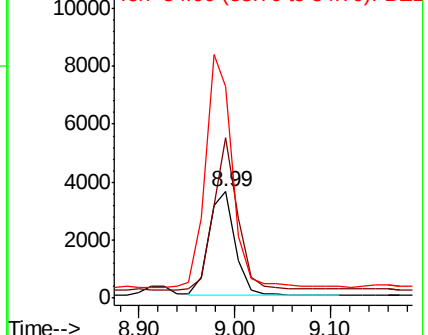
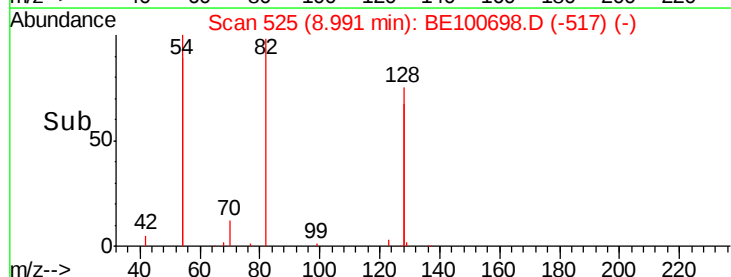
Tgt Ion: 82	Resp:	6827
Ion Ratio	Lower	Upper
82	100	
128	150.5	107.8 161.8
54	199.3	166.1 249.1



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





#9

Naphthalene

Concen: 0.446 ng

RT: 10.68 min Scan# 655

Delta R.T. 0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

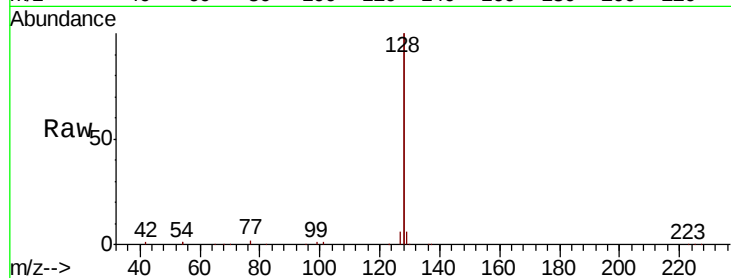
Tot Ion:128 Resp: 95798

Ion Ratio Lower Upper

128 100

129 2.8 2.3 3.5

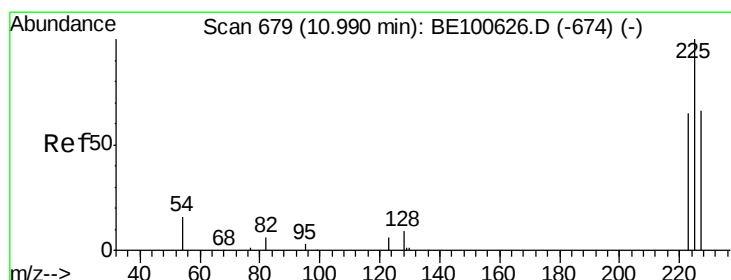
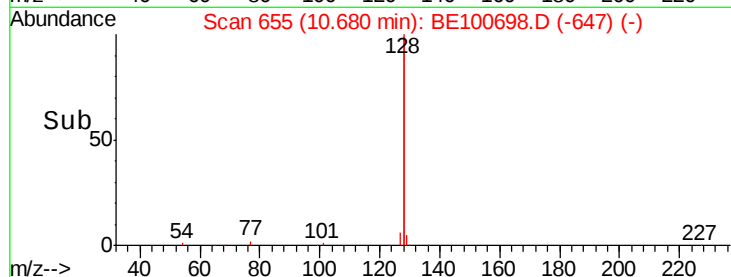
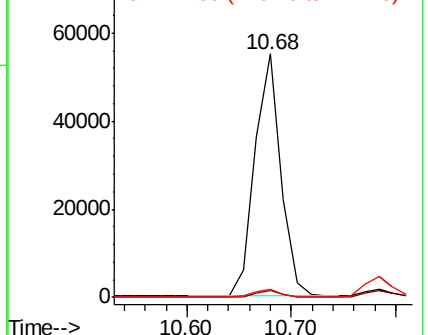
127 3.1 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.444 ng

RT: 10.98 min Scan# 678

Delta R.T. 0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

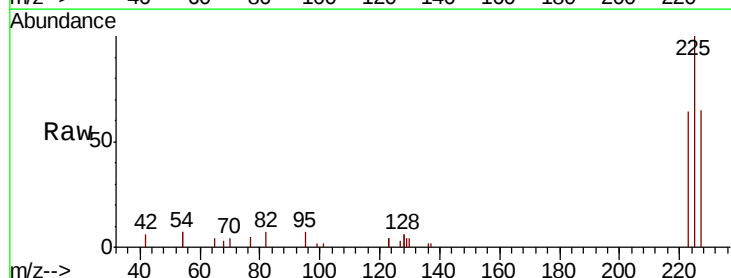
Tgt Ion:225 Resp: 4139

Ion Ratio Lower Upper

225 100

223 62.8 48.6 72.8

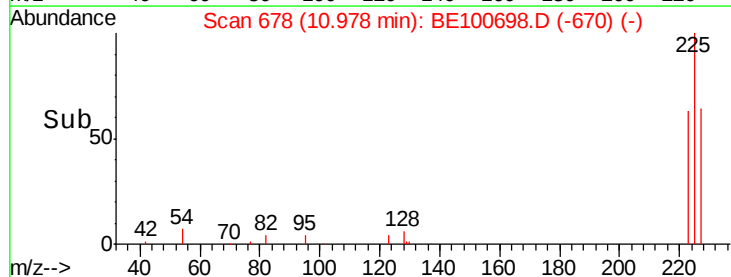
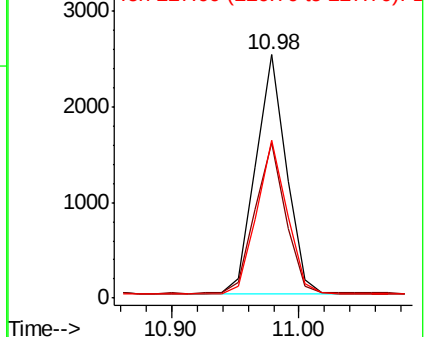
227 63.7 51.6 77.4

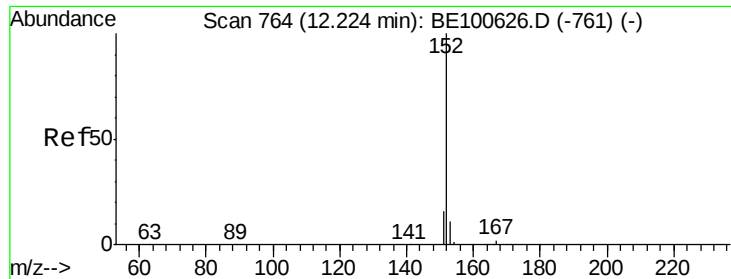


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

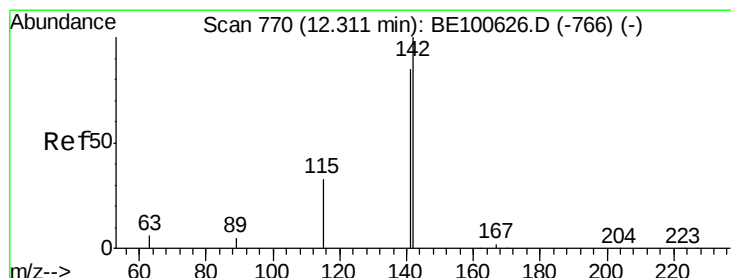
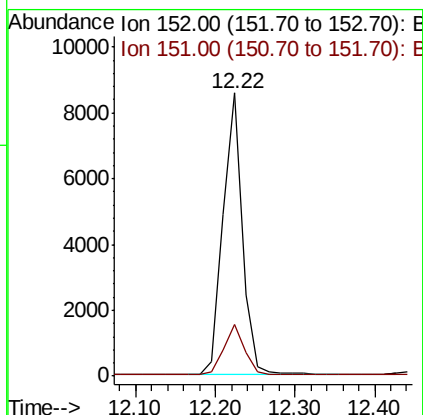
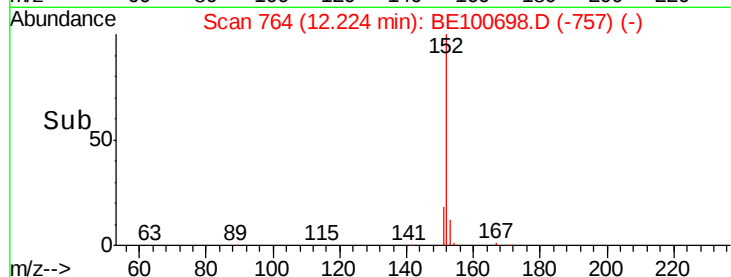
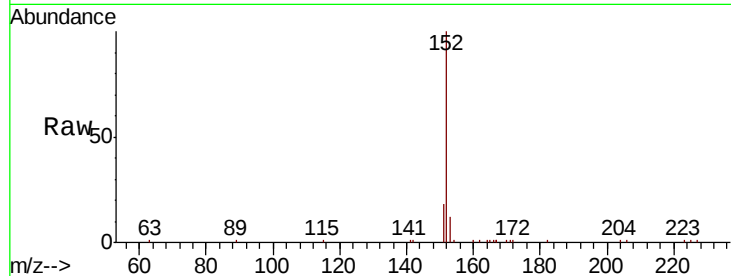




#11
2-Methylnaphthalene-d10
Concen: 0.446 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

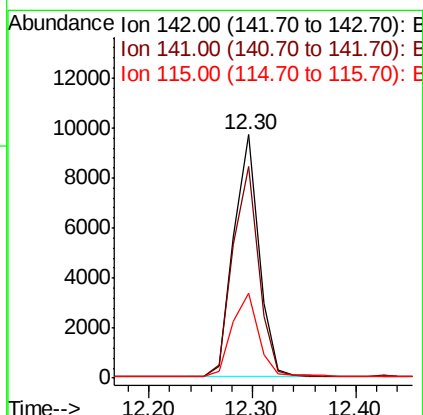
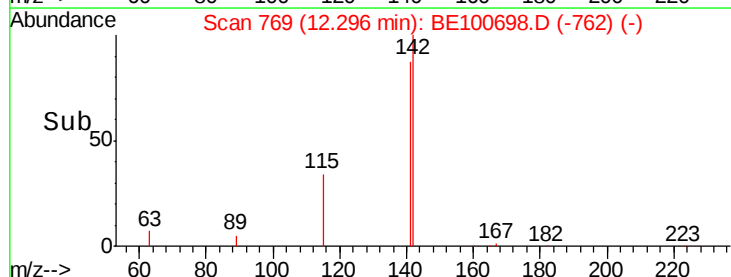
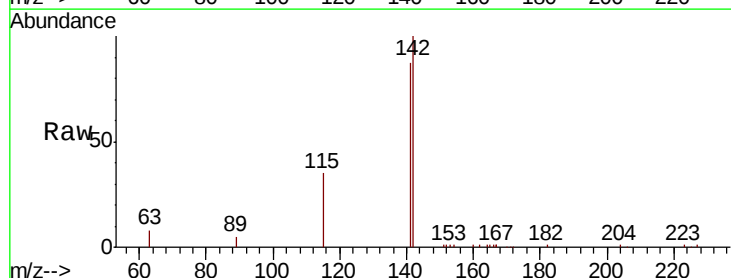
Instrument :
BNA_E
ClientSampleId :

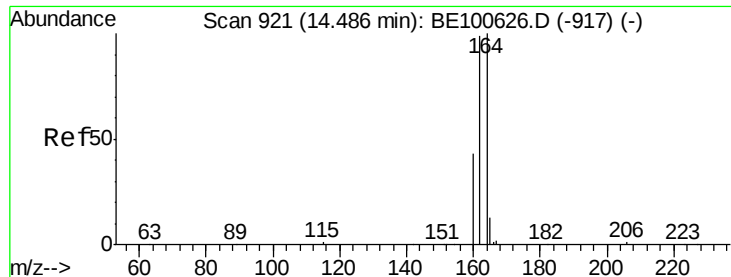
Tot Ion:152 Resp: 14352
Ion Ratio Lower Upper
152 100
151 19.2 14.7 22.1



#12
2-Methylnaphthalene
Concen: 0.450 ng
RT: 12.30 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

Tgt Ion:142 Resp: 16453
Ion Ratio Lower Upper
142 100
141 87.2 70.1 105.1
115 34.8 28.3 42.5

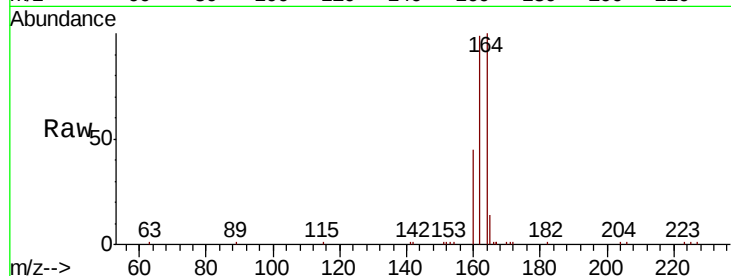




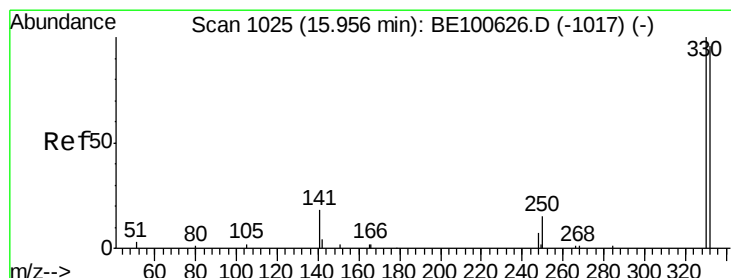
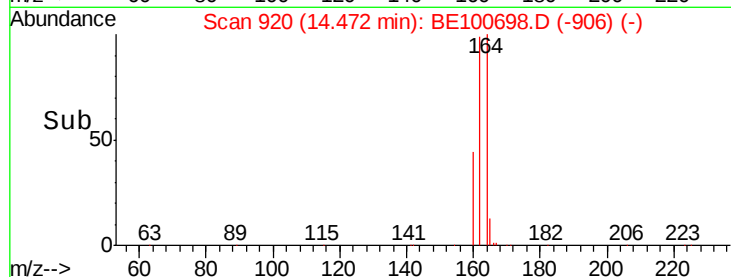
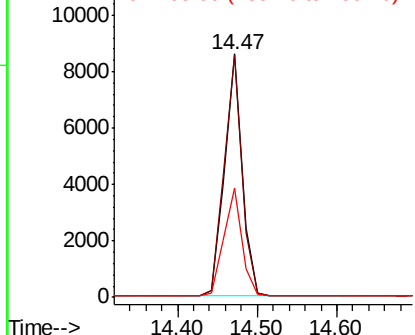
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 13172
Ion Ratio Lower Upper
164 100
162 99.4 82.0 123.0
160 44.8 37.5 56.3

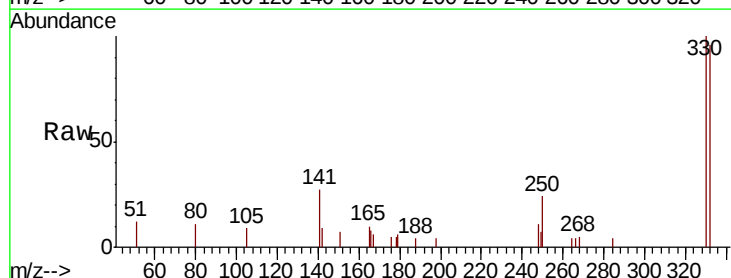


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

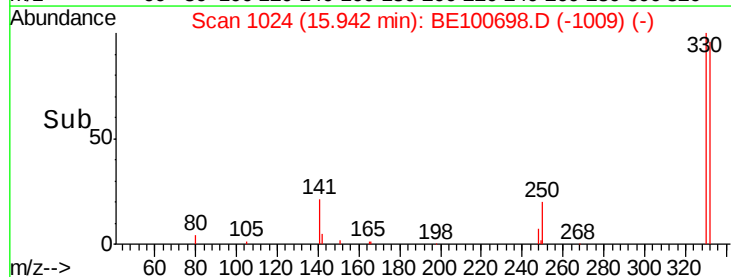
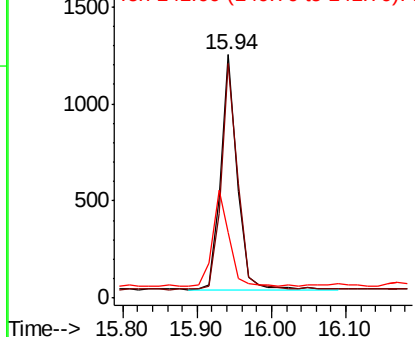


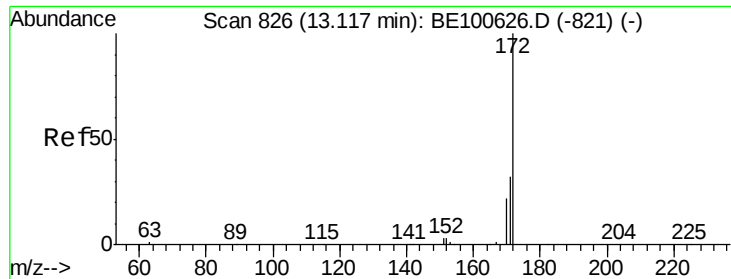
#14
2,4,6-Tribromophenol
Concen: 0.544 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

Tgt Ion:330 Resp: 1895
Ion Ratio Lower Upper
330 100
332 95.6 77.9 116.9
141 40.6 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

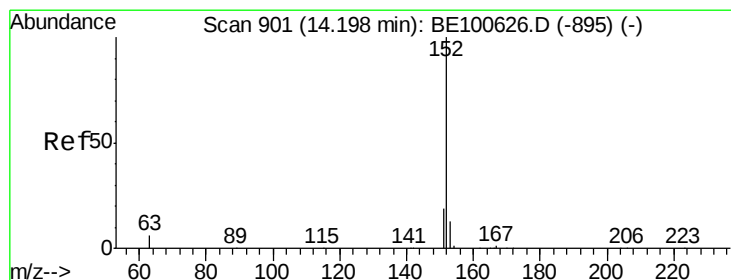
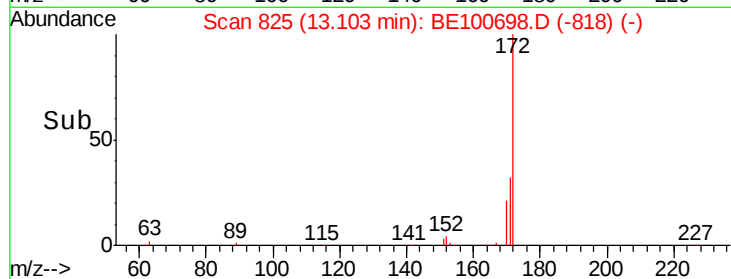
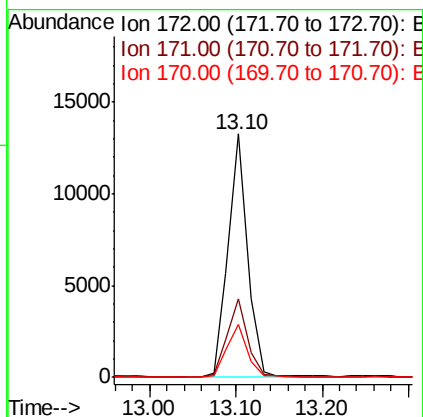
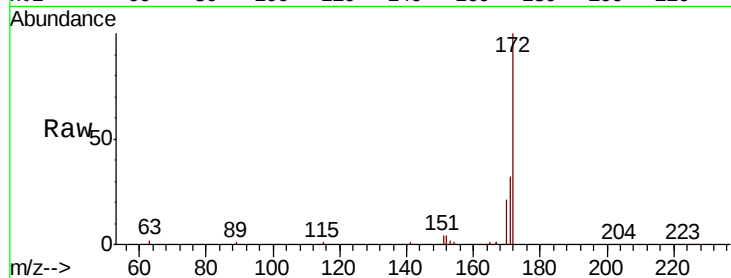




#15
2-Fluorobiphenyl
Concen: 0.428 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

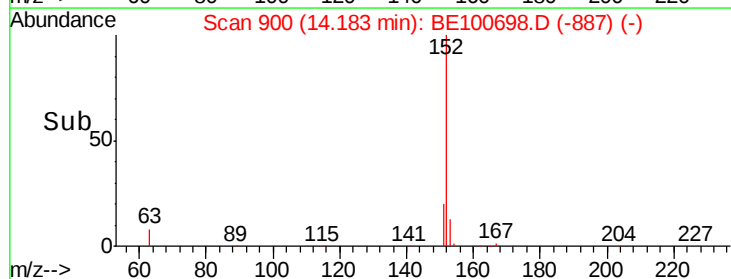
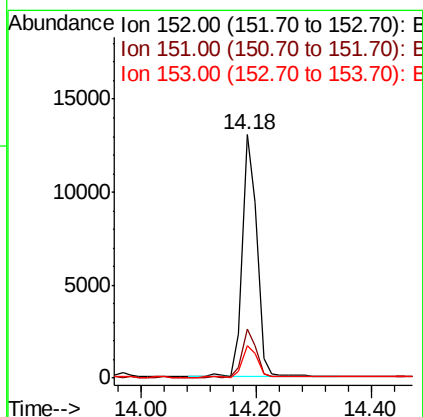
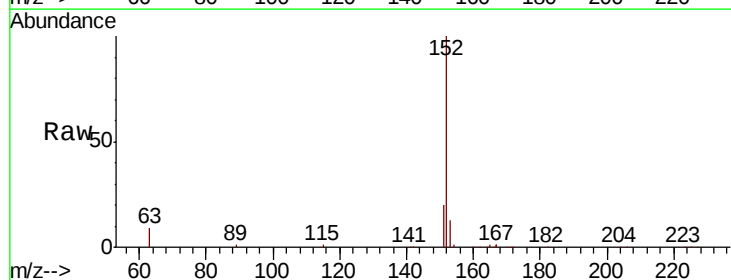
Instrument :
BNA_E
ClientSampleId :

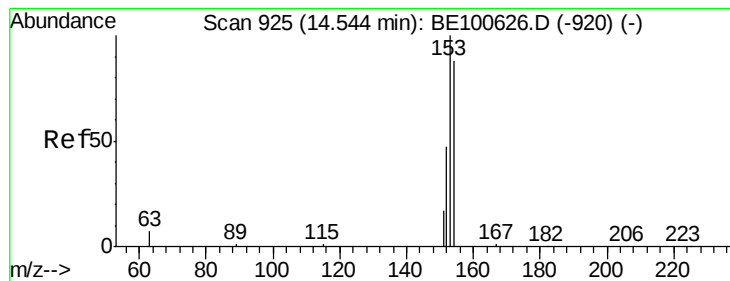
Tot Ion:172 Resp: 20518
Ion Ratio Lower Upper
172 100
171 32.3 26.5 39.7
170 21.5 19.0 28.4



#16
Acenaphthylene
Concen: 0.409 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

Tgt Ion:152 Resp: 23176
Ion Ratio Lower Upper
152 100
151 19.3 15.2 22.8
153 13.1 10.3 15.5





#17

Acenaphthene

Concen: 0.444 ng

RT: 14.53 min Scan# 924

Delta R.T. 0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

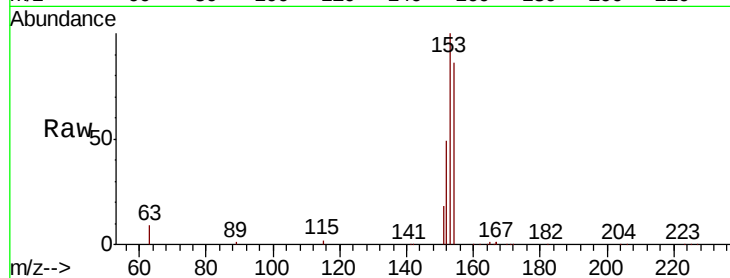
Tot Ion:154 Resp: 16275

Ion Ratio Lower Upper

154 100

153 114.6 89.4 134.2

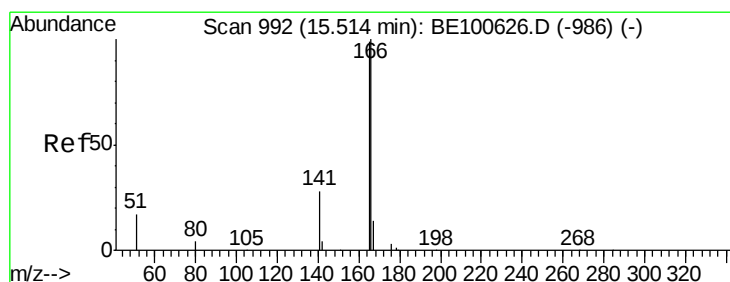
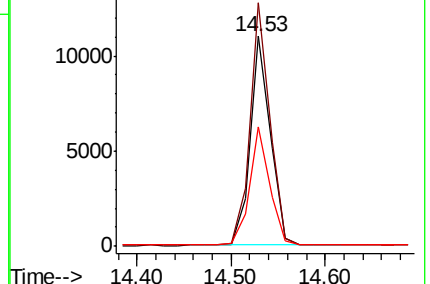
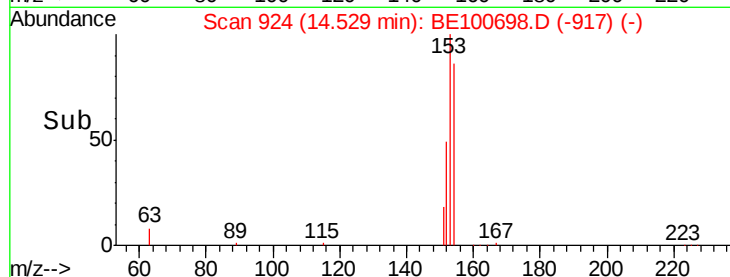
152 56.0 44.1 66.1



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: 0.447 ng

RT: 15.50 min Scan# 991

Delta R.T. -0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

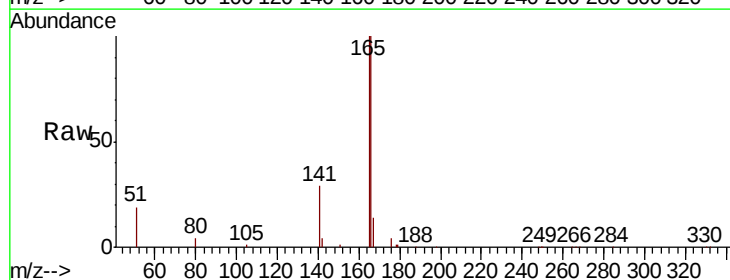
Tgt Ion:166 Resp: 21734

Ion Ratio Lower Upper

166 100

165 99.4 78.6 117.8

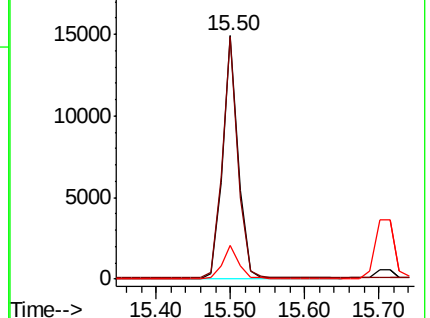
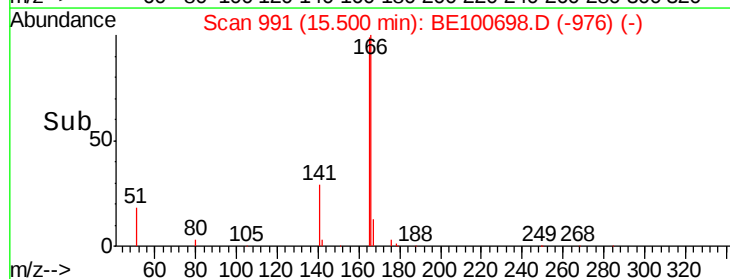
167 13.5 10.9 16.3



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

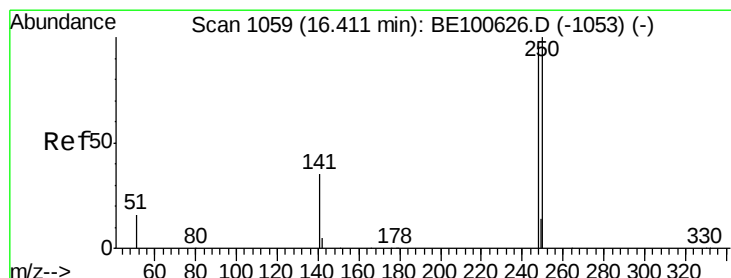
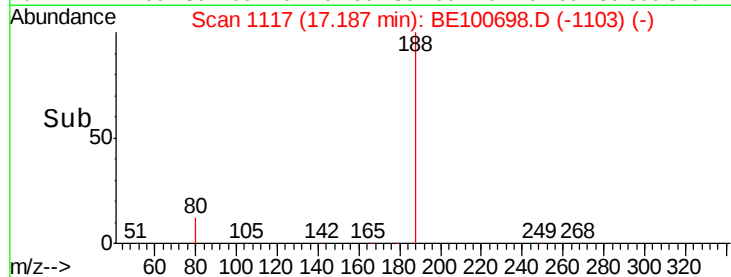
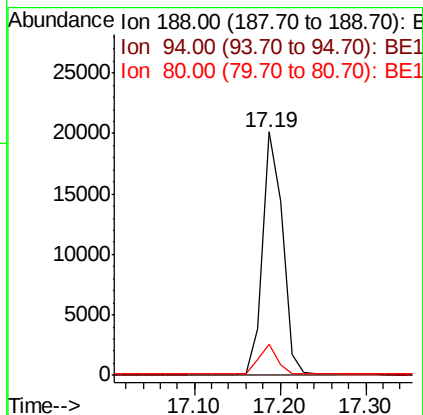
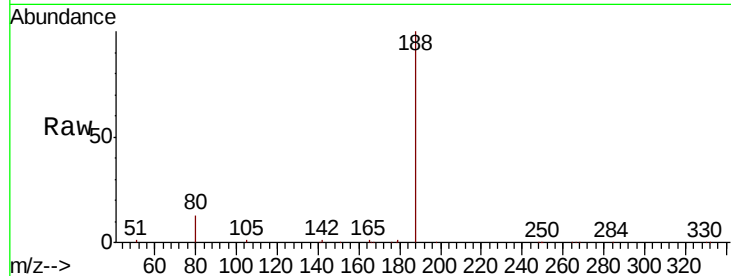




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

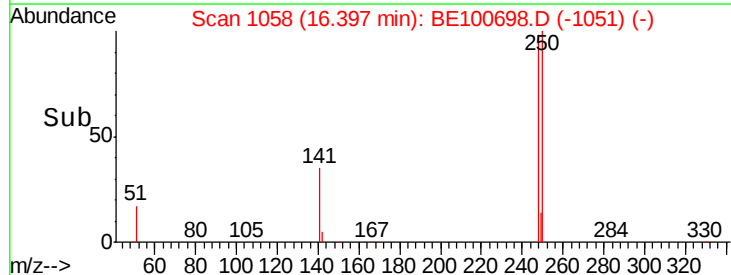
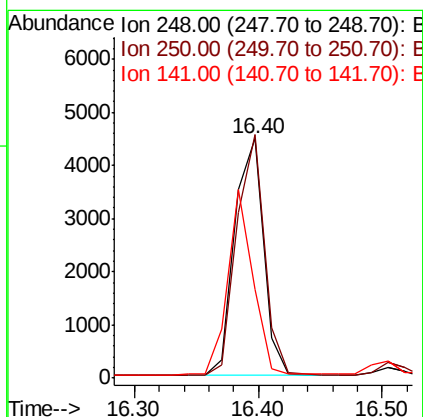
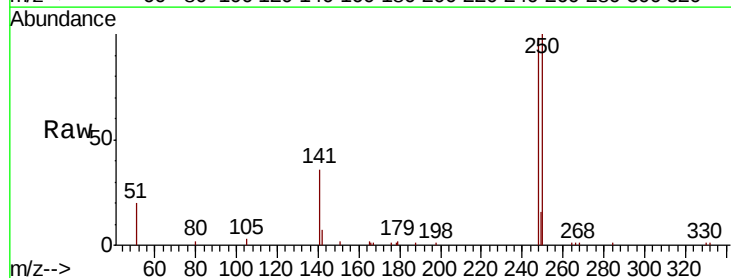
Instrument :
BNA_E
ClientSampleId :

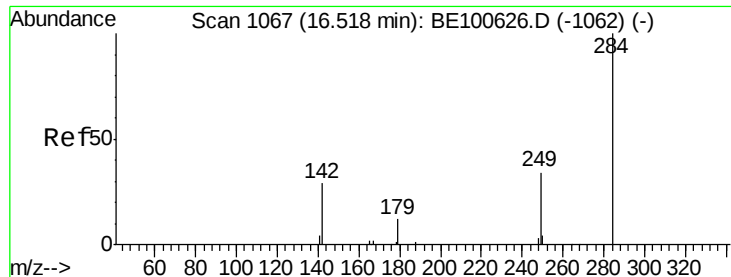
Tot Ion:188 Resp: 32499
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.7 5.4 8.0#



#20
4-Bromophenyl-phenylether
Concen: 0.439 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE100698.D
Acq: 29 Oct 2019 19:03

Tgt Ion:248 Resp: 7260
Ion Ratio Lower Upper
248 100
250 101.8 76.3 114.5
141 36.9 37.3 55.9#





#21

Hexachlorobenzene

Concen: 0.431 ng

RT: 16.50 min Scan# 1066

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampled :

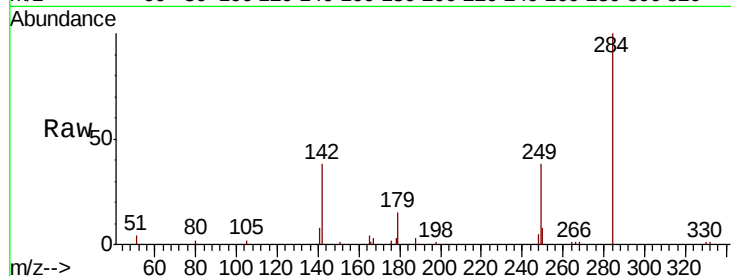
Tot Ion:284 Resp: 6796

Ion Ratio Lower Upper

284 100

142 35.7 28.6 42.8

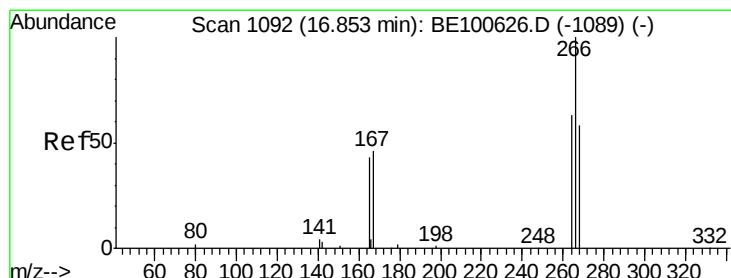
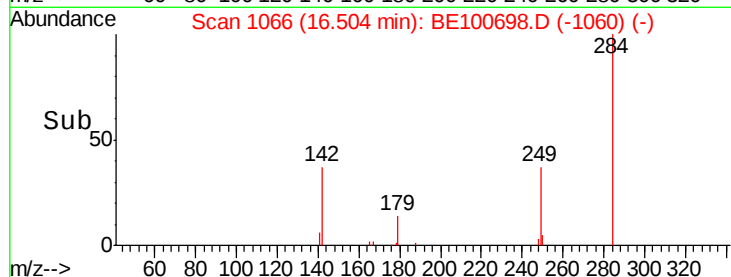
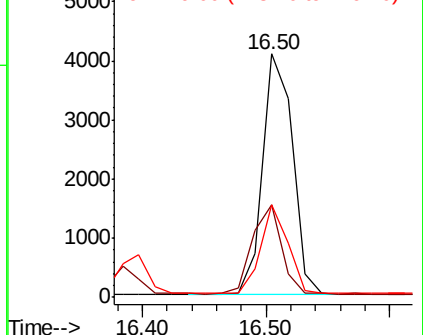
249 33.6 26.3 39.5



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.350 ng

RT: 16.85 min Scan# 1092

Delta R.T. -0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

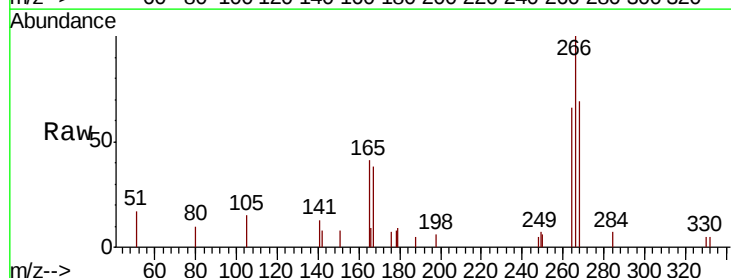
Tgt Ion:266 Resp: 1774

Ion Ratio Lower Upper

266 100

264 65.6 52.2 78.4

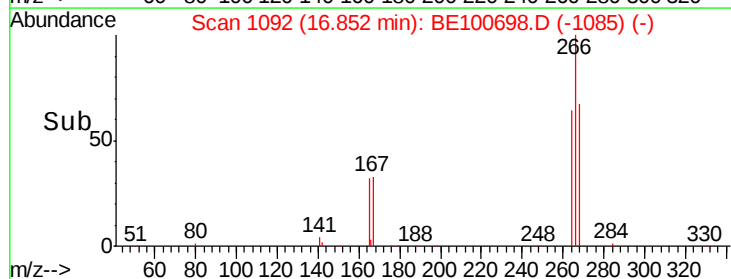
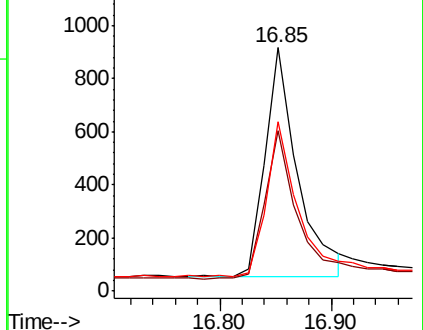
268 69.4 53.1 79.7

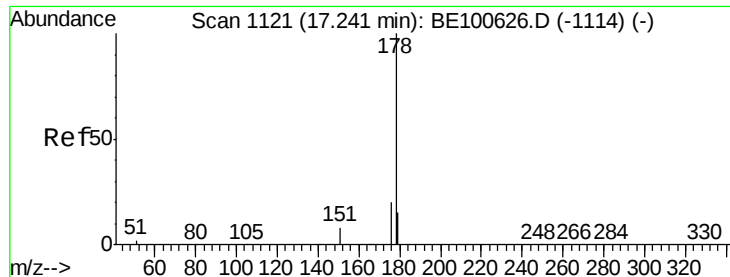


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.450 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

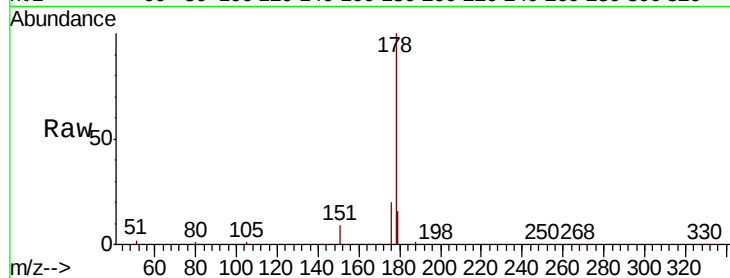
Tot Ion:178 Resp: 40198

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

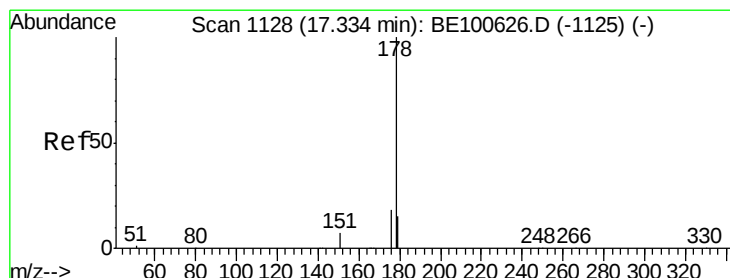
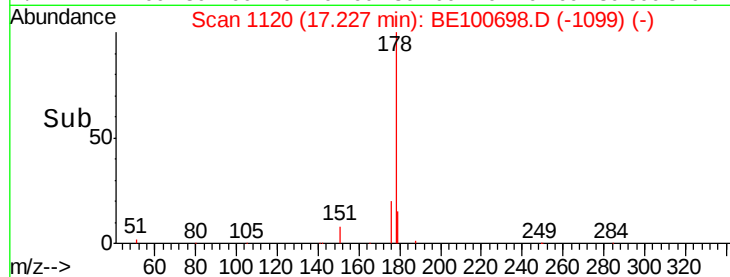
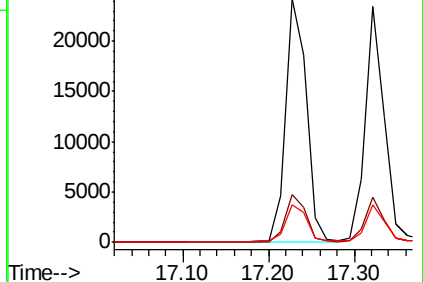
179 15.6 12.1 18.1



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



#24

Anthracene

Concen: 0.431 ng

RT: 17.32 min Scan# 1127

Delta R.T. -0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

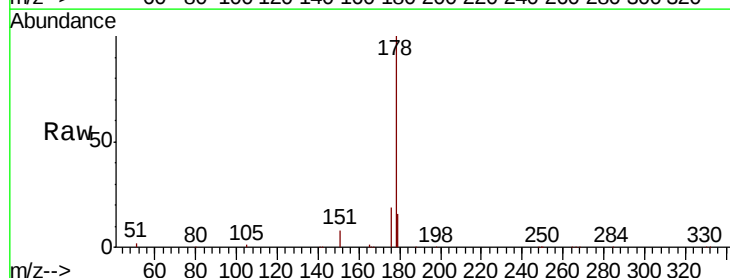
Tgt Ion:178 Resp: 35784

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

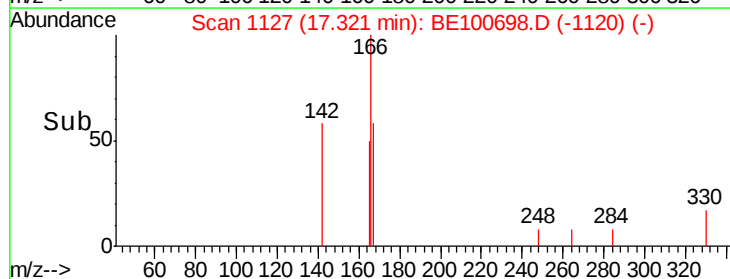
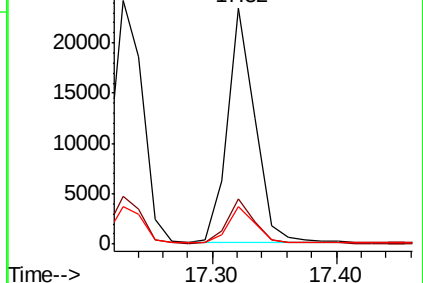
179 15.5 12.5 18.7

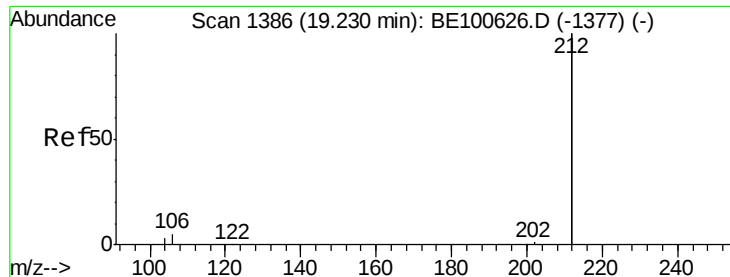


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

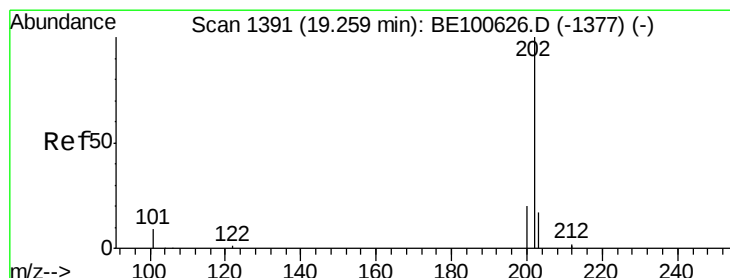
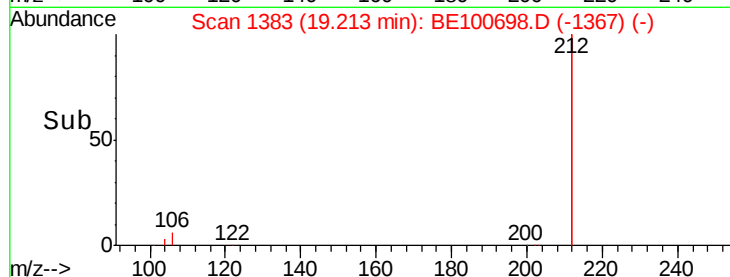
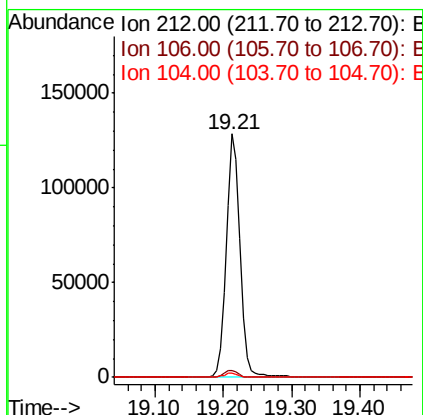
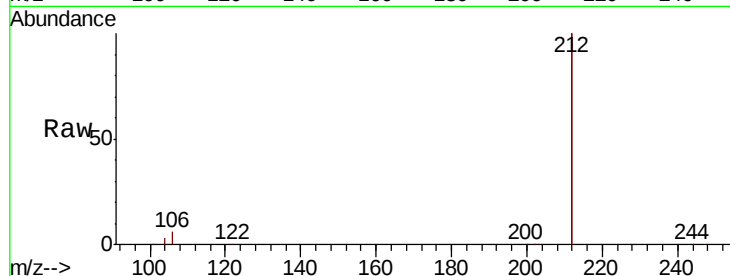




#25
 Fluoranthene-d10
 Concen: 0.431 ng
 RT: 19.21 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: BE100698.D
 Acq: 29 Oct 2019 19:03

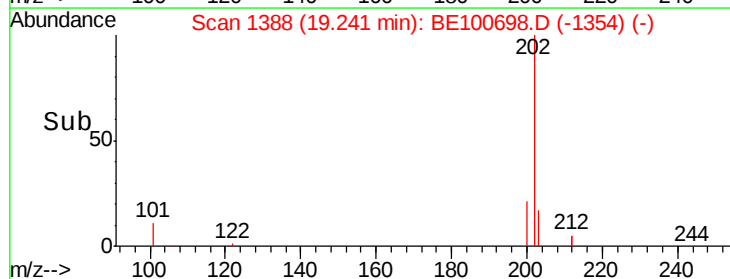
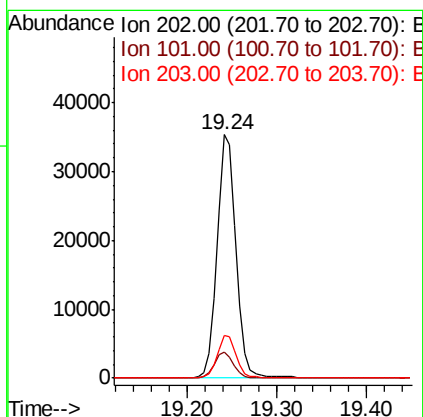
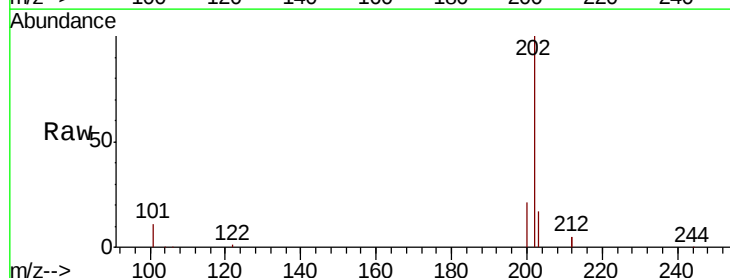
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:212 Resp: 180903
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.3 3.5
 104 1.6 1.3 1.9



#26
 Fluoranthene
 Concen: 0.437 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: BE100698.D
 Acq: 29 Oct 2019 19:03

Tgt Ion:202 Resp: 50970
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.5 12.7
 203 17.2 13.8 20.8





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

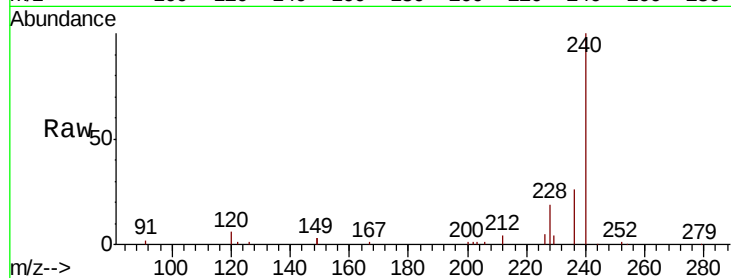
Tot Ion:240 Resp: 37938

Ion Ratio Lower Upper

240 100

120 5.8 7.6 11.4#

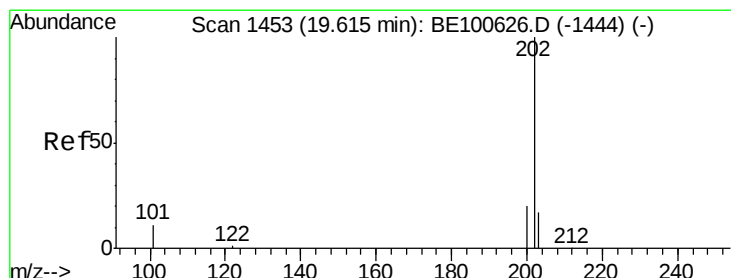
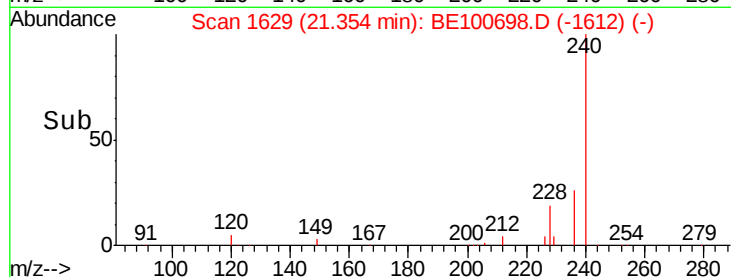
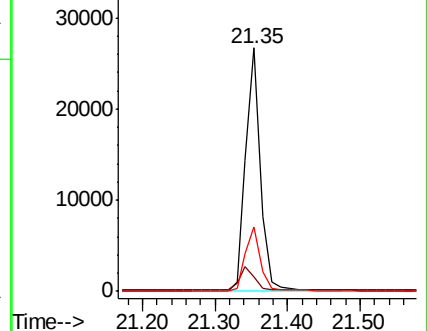
236 26.5 22.1 33.1



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: 0.494 ng

RT: 19.60 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

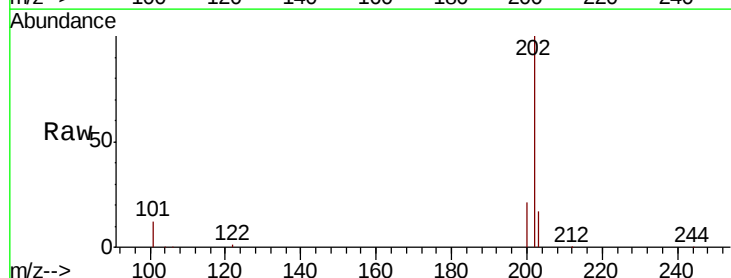
Tgt Ion:202 Resp: 52313

Ion Ratio Lower Upper

202 100

200 20.9 16.7 25.1

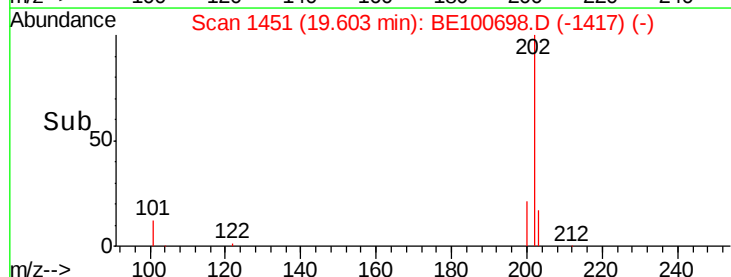
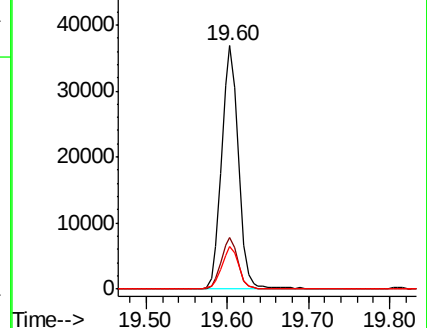
203 17.4 14.0 21.0

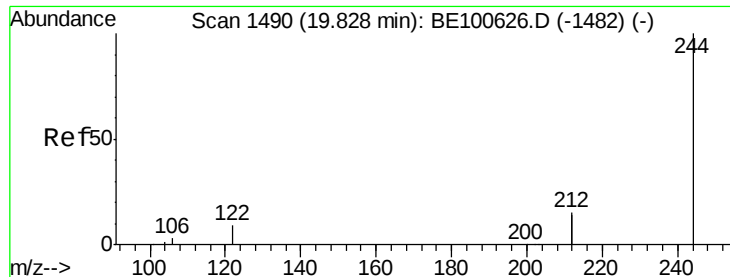


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.472 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

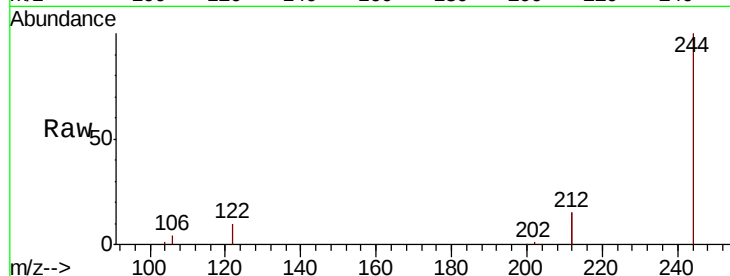
Tot Ion:244 Resp: 39165

Ion Ratio Lower Upper

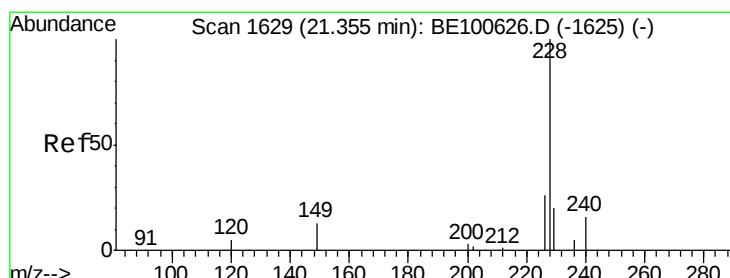
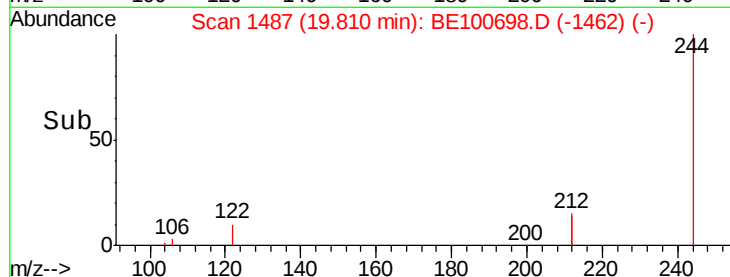
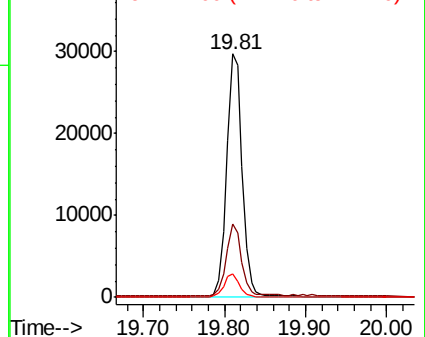
244 100

212 30.0 23.7 35.5

122 9.8 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



#30

Benzo(a)anthracene

Concen: 0.446 ng

RT: 21.33 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

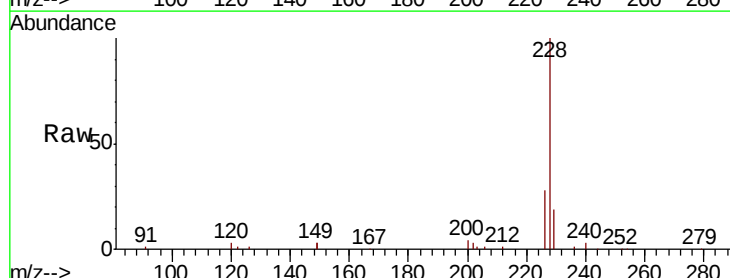
Tgt Ion:228 Resp: 55173

Ion Ratio Lower Upper

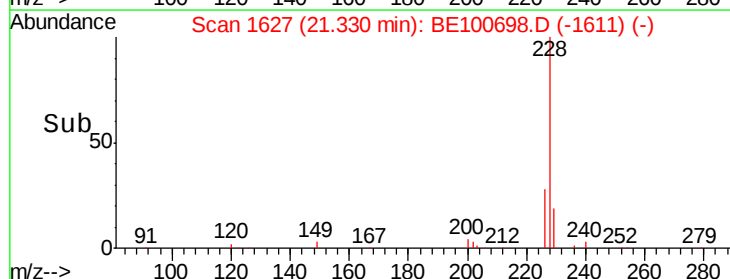
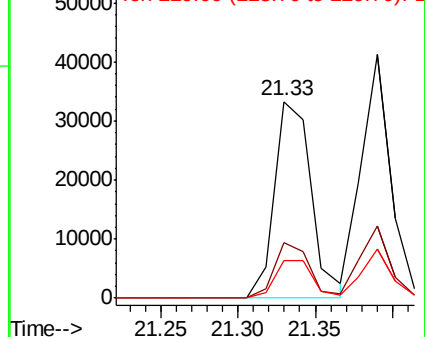
228 100

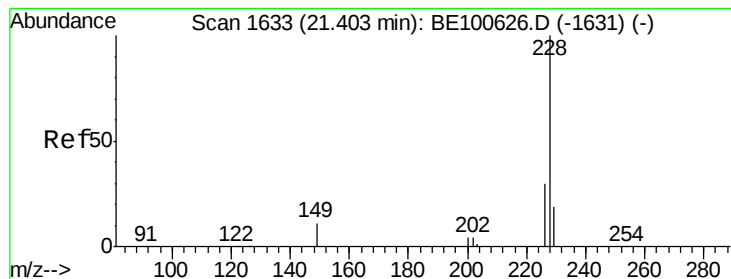
226 28.3 21.4 32.0

229 19.1 16.0 24.0



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: 0.443 ng

RT: 21.39 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

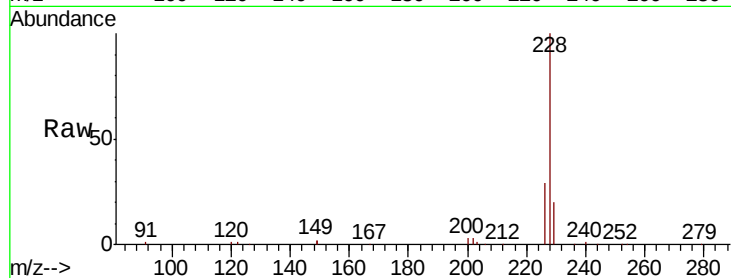
Tot Ion:228 Resp: 54832

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

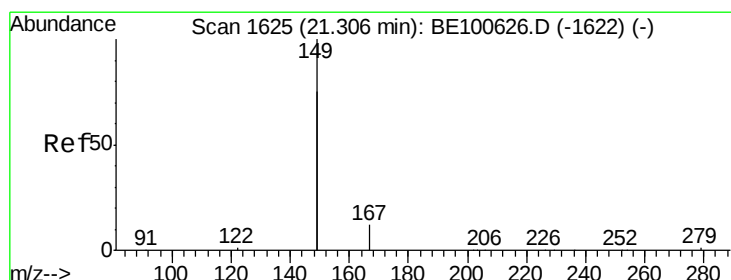
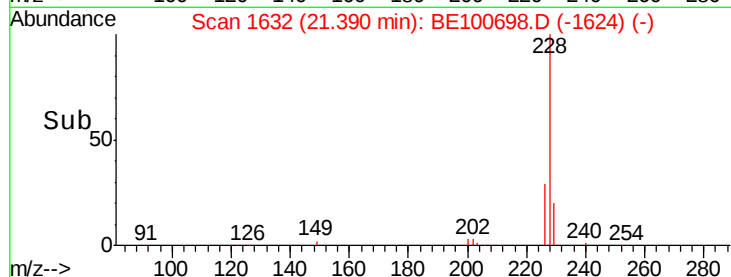
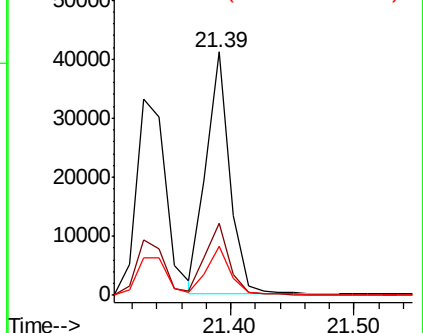
229 20.3 15.8 23.8



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: 0.406 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

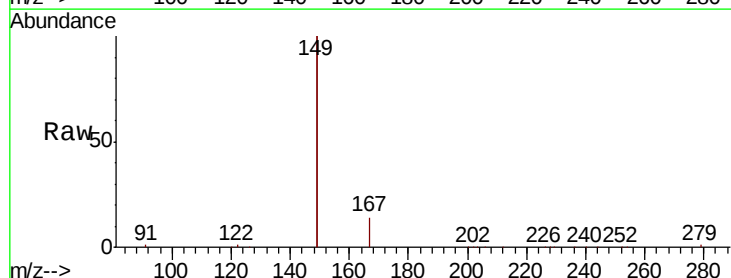
Tgt Ion:149 Resp: 104982

Ion Ratio Lower Upper

149 100

167 6.9 5.5 8.3

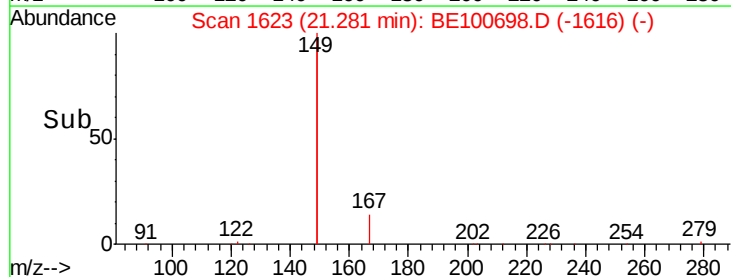
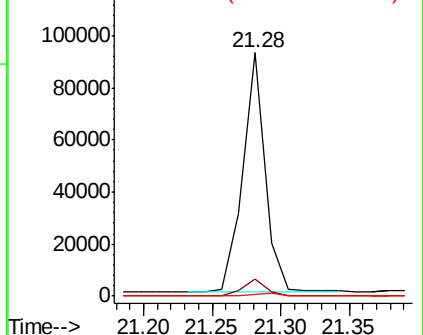
279 1.1 0.9 1.3



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

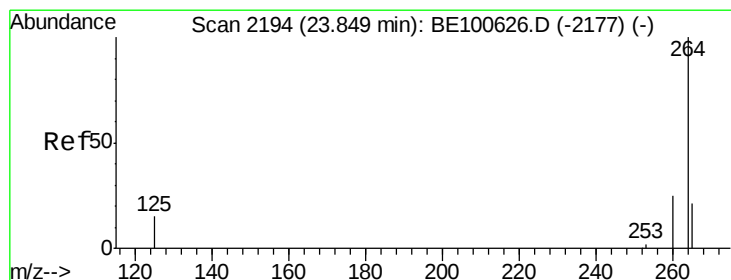
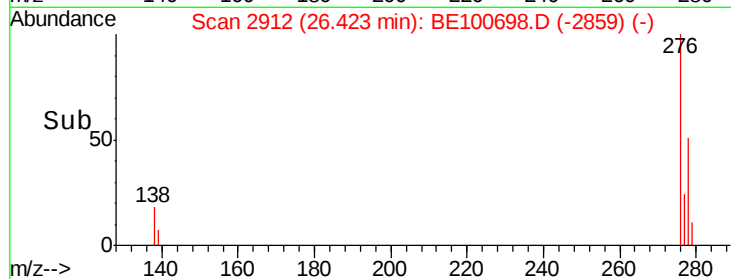
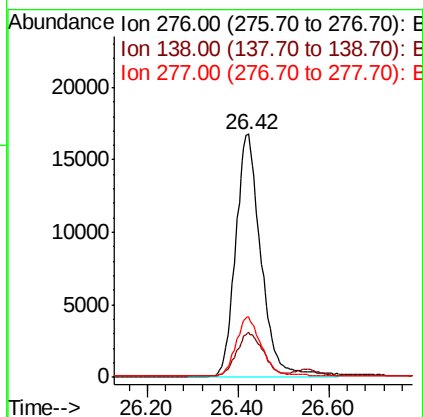
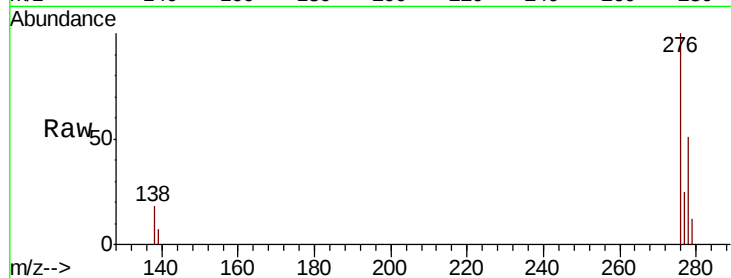




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.425 ng
 RT: 26.42 min Scan# 2912
 Delta R.T. -0.01 min
 Lab File: BE100698.D
 Acq: 29 Oct 2019 19:03

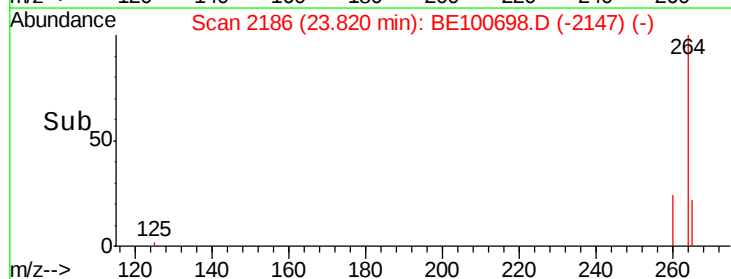
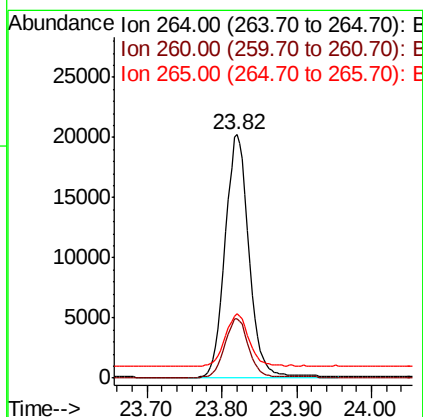
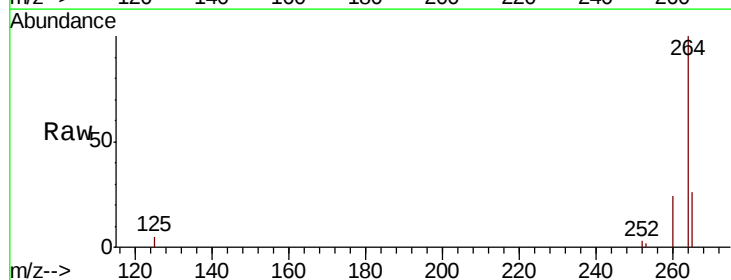
Instrument :
 BNA_E
 ClientSampleId :

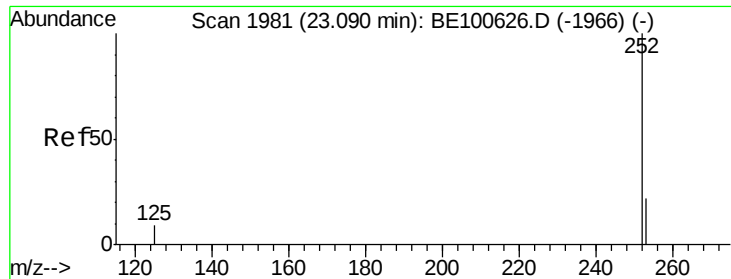
Tot Ion:276 Resp: 64551
 Ion Ratio Lower Upper
 276 100
 138 18.7 15.3 22.9
 277 24.6 19.4 29.2



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.82 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BE100698.D
 Acq: 29 Oct 2019 19:03

Tgt Ion:264 Resp: 44723
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 26.2 21.7 32.5





#35

Benzo(b)fluoranthene

Concen: 0.420 ng

RT: 23.06 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

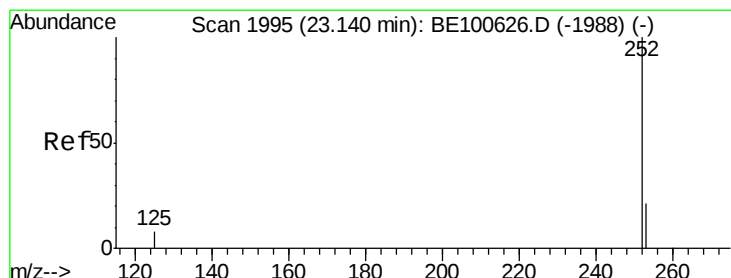
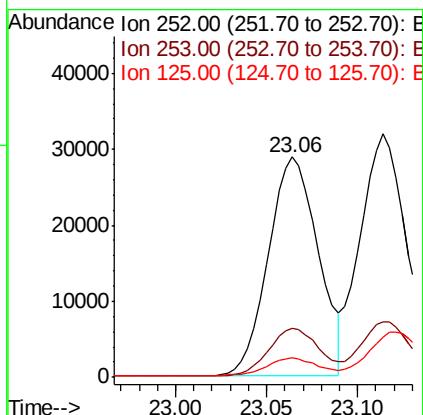
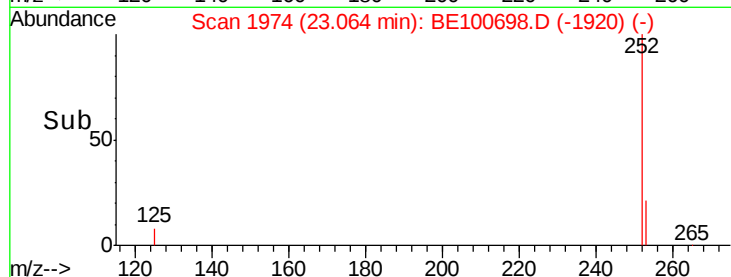
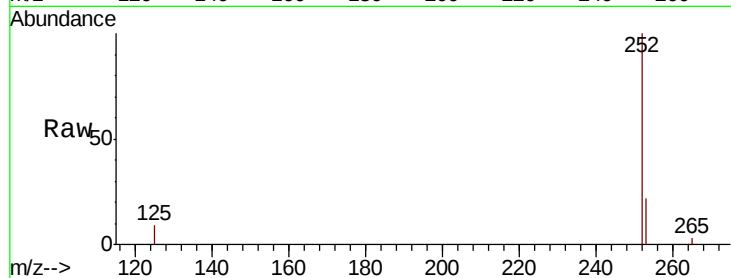
Tot Ion:252 Resp: 54816

Ion Ratio Lower Upper

252 100

253 22.0 18.4 27.6

125 8.9 7.6 11.4



#36

Benzo(k)fluoranthene

Concen: 0.441 ng

RT: 23.11 min Scan# 1988

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

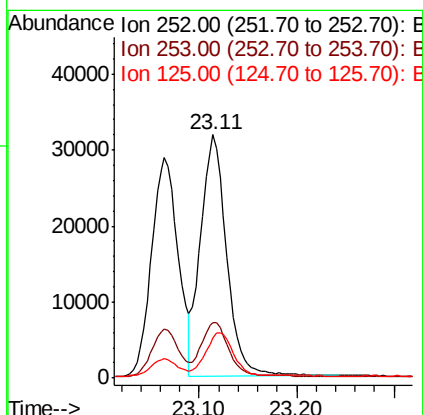
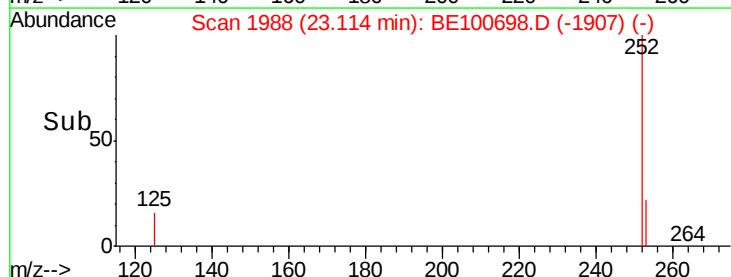
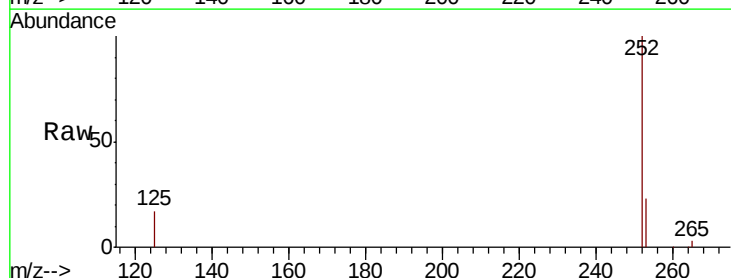
Tgt Ion:252 Resp: 59162

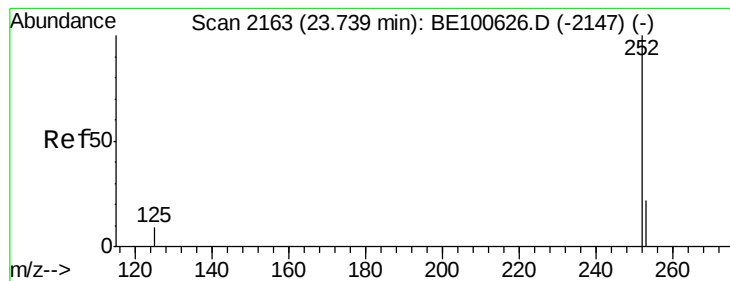
Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 16.7 11.6 17.4





#37

Benzo(a)pyrene

Concen: 0.413 ng

RT: 23.71 min Scan# 2155

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :

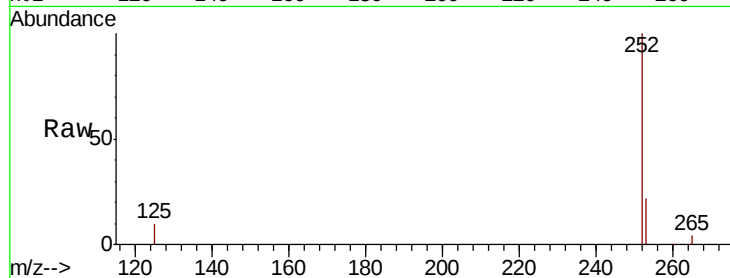
Tot Ion:252 Resp: 50132

Ion Ratio Lower Upper

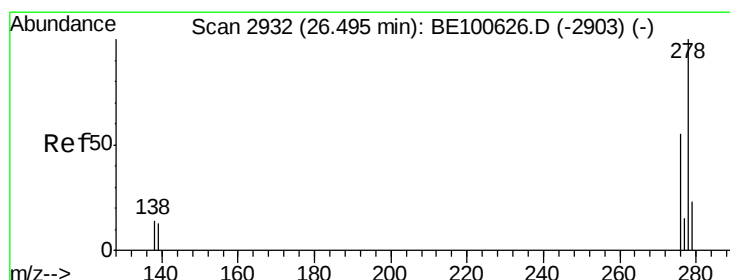
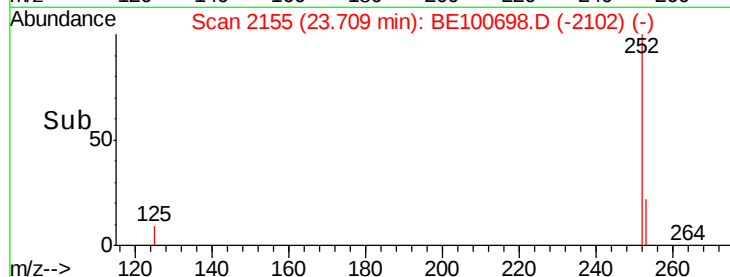
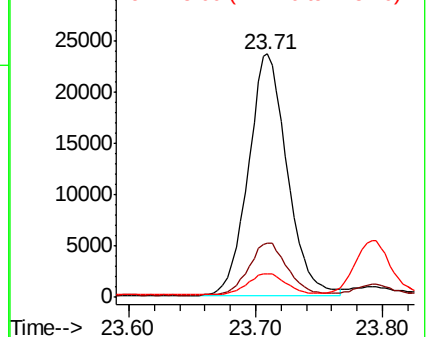
252 100

253 22.4 18.4 27.6

125 9.8 8.2 12.4



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: 0.426 ng

RT: 26.45 min Scan# 2920

Delta R.T. -0.01 min

Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

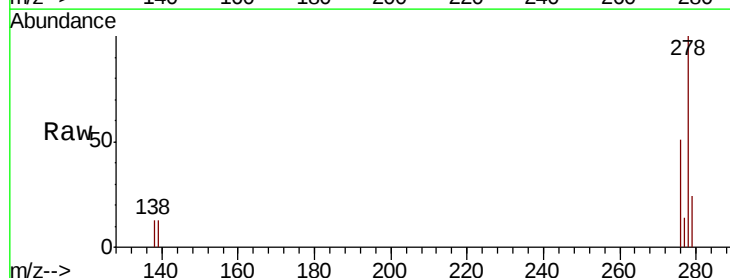
Tgt Ion:278 Resp: 53435

Ion Ratio Lower Upper

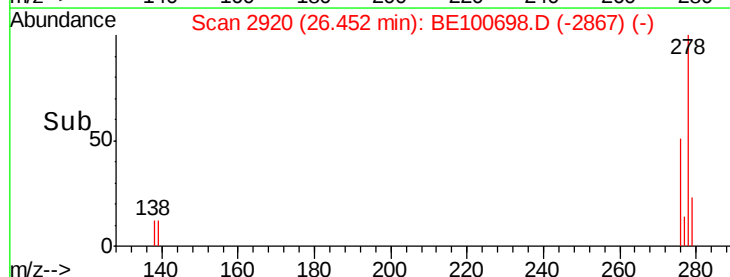
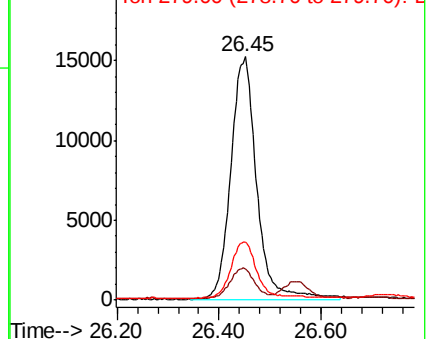
278 100

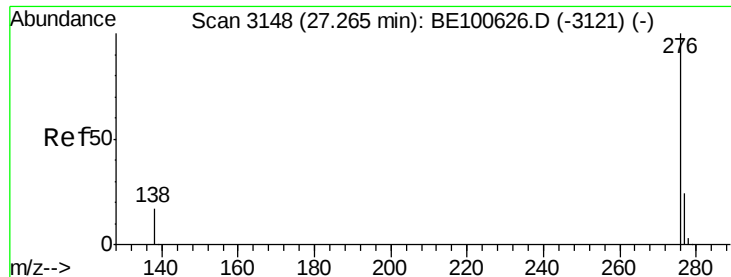
139 12.6 10.9 16.3

279 23.9 19.4 29.2



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: 0.432 ng

RT: 27.21 min Scan# 3134

Delta R.T. -0.02 min

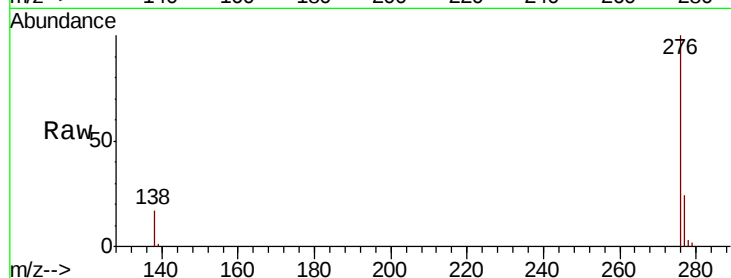
Lab File: BE100698.D

Acq: 29 Oct 2019 19:03

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 54479

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.0

138 16.9 13.6 20.4

