

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032519\
 Data File : BE099185.D
 Acq On : 25 Mar 2019 18:24
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 DFTPP

Quant Time: Mar 26 07:08:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 07:02:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	3932	0.40	ng	-0.01
7) Naphthalene-d8	10.63	136	18532	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	13091	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	34503	0.40	ng	0.00
27) Chrysene-d12	21.39	240	38855	0.40	ng	0.00
34) Perylene-d12	23.90	264	36839	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4338	0.37	ng	0.00
5) Phenol-d6	6.99	99	6632	0.37	ng	0.00
8) Nitrobenzene-d5	8.99	82	5118	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	12544	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1139	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	19199	0.36	ng	0.00
25) Fluoranthene-d10	19.24	212	144767	0.35	ng	0.00
29) Terphenyl-d14	19.83	244	28265	0.33	ng	0.00

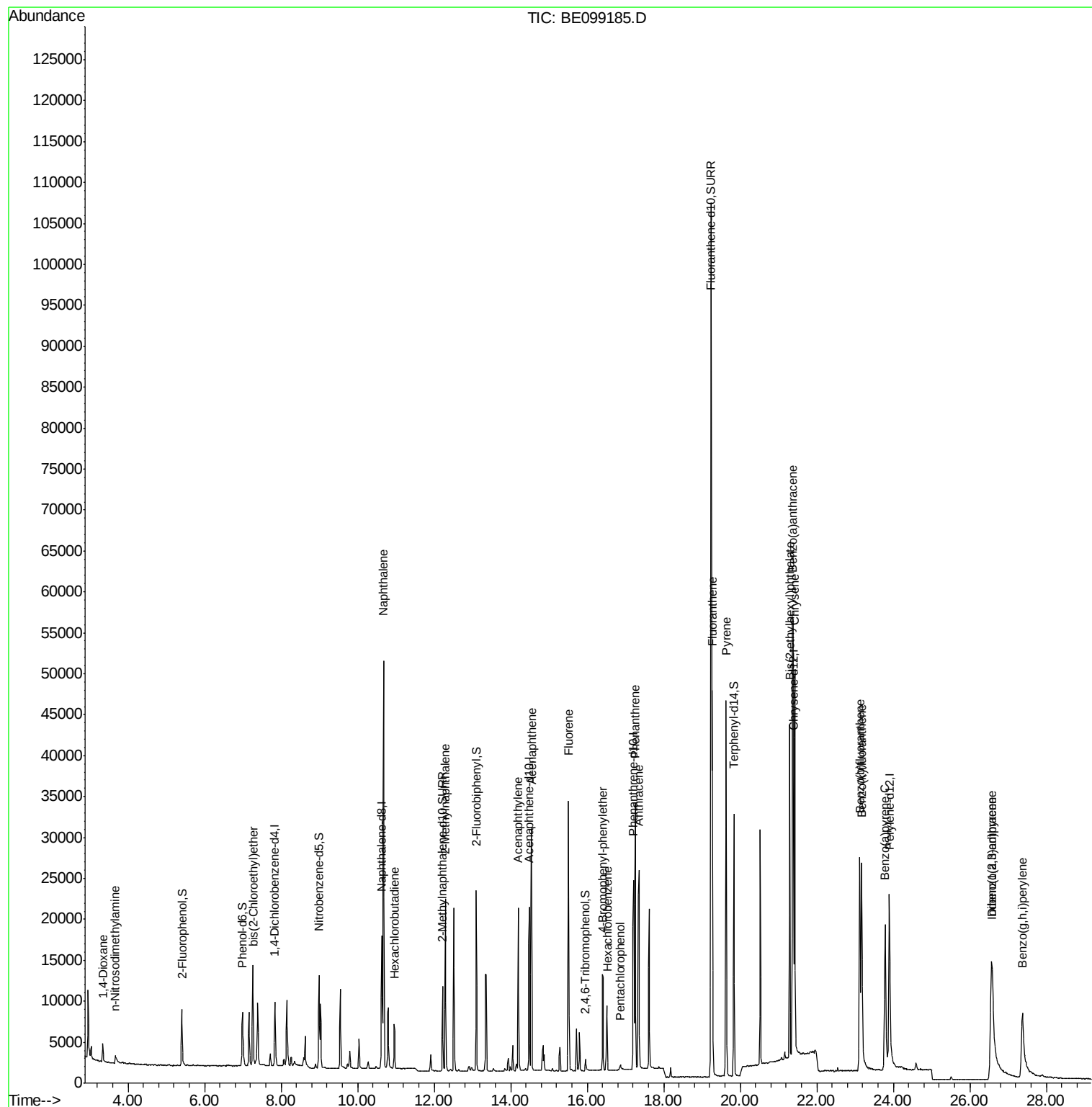
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	1867	0.360	ng	96
3) n-Nitrosodimethylamine	3.67	42	786	0.271	ng	# 97
6) bis(2-Chloroethyl)ether	7.27	93	5100	0.362	ng	100
9) Naphthalene	10.68	128	77649	0.355	ng	100
10) Hexachlorobutadiene	10.95	225	4139	0.355	ng	96
12) 2-Methylnaphthalene	12.29	142	13675	0.350	ng	99
16) Acenaphthylene	14.20	152	22373	0.335	ng	100
17) Acenaphthene	14.54	154	13963	0.350	ng	99
18) Fluorene	15.51	166	19280	0.343	ng	98
20) 4-Bromophenyl-phenylether	16.41	248	7045	0.316	ng	99
21) Hexachlorobenzene	16.52	284	6965	0.324	ng	97
22) Pentachlorophenol	16.87	266	600	0.429	ng	95
23) Phenanthrene	17.26	178	34486	0.340	ng	99
24) Anthracene	17.35	178	29988	0.328	ng	99
26) Fluoranthene	19.27	202	43081	0.333	ng	100
28) Pyrene	19.63	202	44045	0.341	ng	100
30) Benzo(a)anthracene	21.37	228	42151	0.329	ng	99
31) Chrysene	21.43	228	46901	0.342	ng	96
32) Bis(2-ethylhexyl)phthalate	21.29	149	43674	0.286	ng	100
33) Indeno(1,2,3-cd)pyrene	26.56	276	37428	0.289	ng	# 87
35) Benzo(b)fluoranthene	23.12	252	38624	0.319	ng	98
36) Benzo(k)fluoranthene	23.17	252	44524	0.347	ng	99
37) Benzo(a)pyrene	23.78	252	38089	0.336	ng	99
38) Dibenzo(a,h)anthracene	26.58	278	29349	0.292	ng	96
39) Benzo(g,h,i)perylene	27.38	276	29975	0.297	ng	98

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

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ALS Vial : 2 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.83 min Scan# 431

Delta R.T. -0.01 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

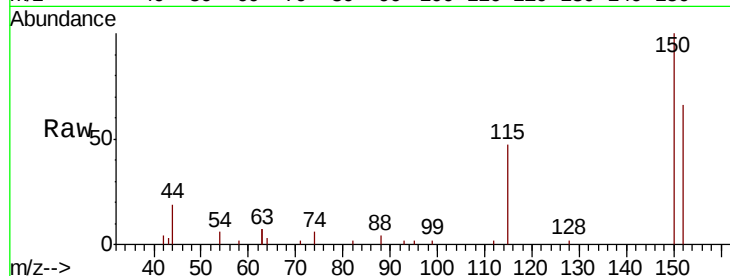
Tgt Ion:152 Resp: 3932

Ion Ratio Lower Upper

152 100

150 152.4 112.8 169.2

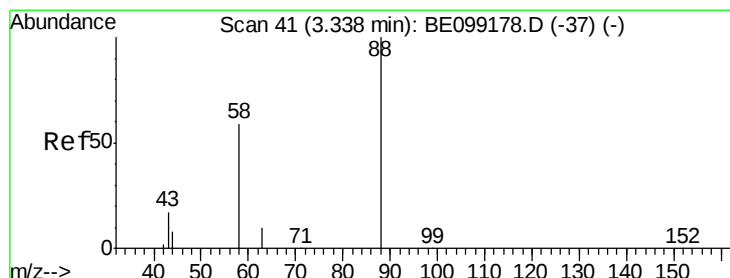
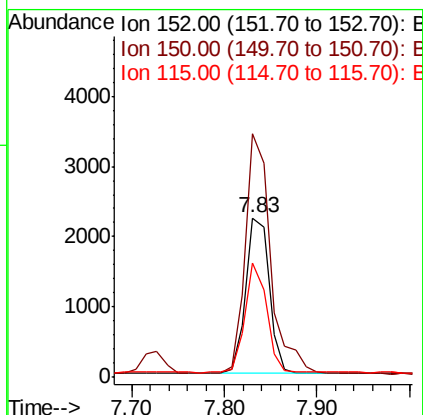
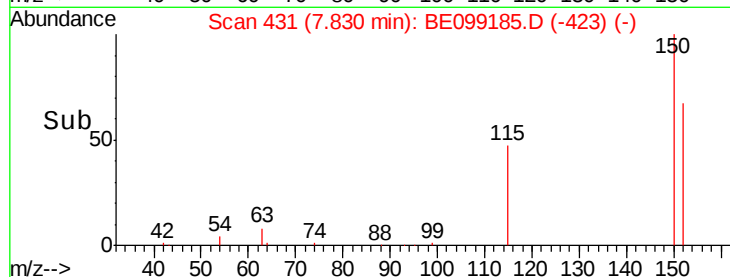
115 71.6 45.1 67.7#



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



#2

1,4-Dioxane

Concen: 0.360 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

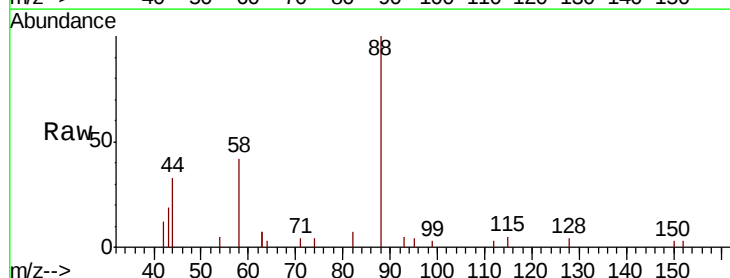
Tgt Ion: 88 Resp: 1867

Ion Ratio Lower Upper

88 100

58 61.1 47.4 71.0

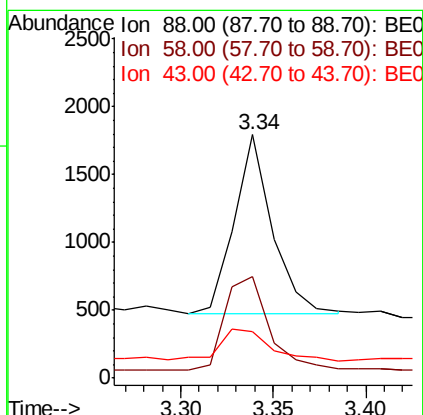
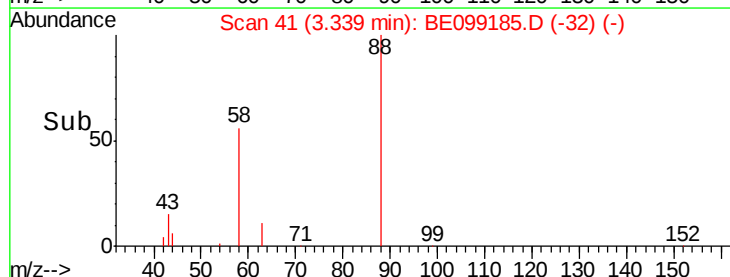
43 22.7 15.6 23.4



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.271 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

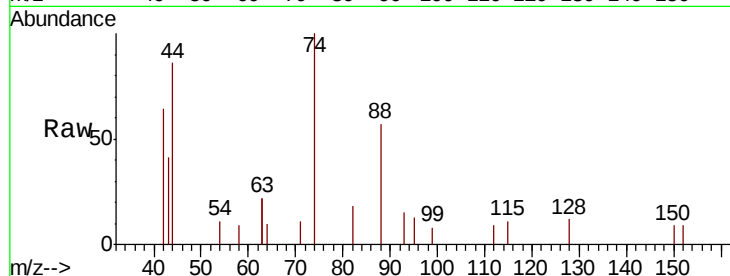
Tgt Ion: 42 Resp: 786

Ion Ratio Lower Upper

42 100

74 176.7 138.6 207.8

44 24.2 15.0 22.6#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

800

600

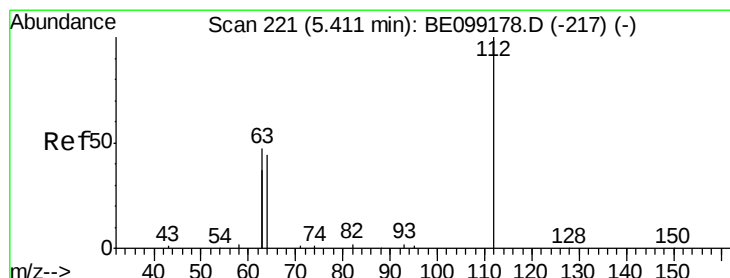
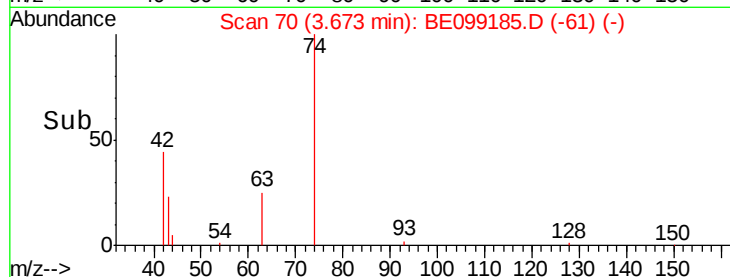
400

200

0

3.55 3.60 3.65 3.70 3.75

Time-->



#4

2-Fluorophenol

Concen: 0.370 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

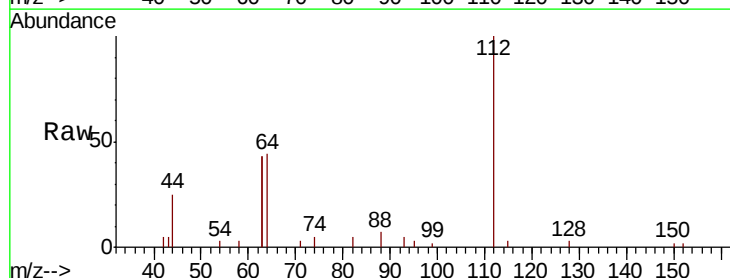
Tgt Ion: 112 Resp: 4338

Ion Ratio Lower Upper

112 100

64 56.6 46.2 69.2

63 119.6 89.9 134.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

4000

3000

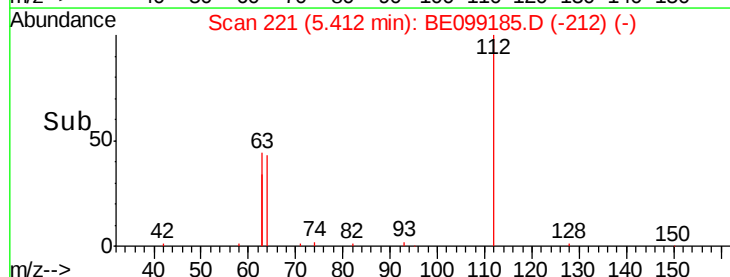
2000

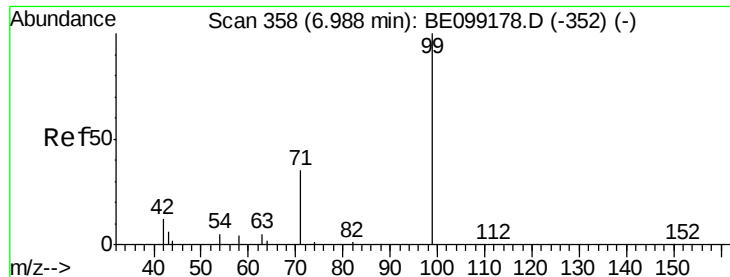
1000

0

5.30 5.40 5.50 5.60

Time-->





#5

Phenol-d6

Concen: 0.370 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

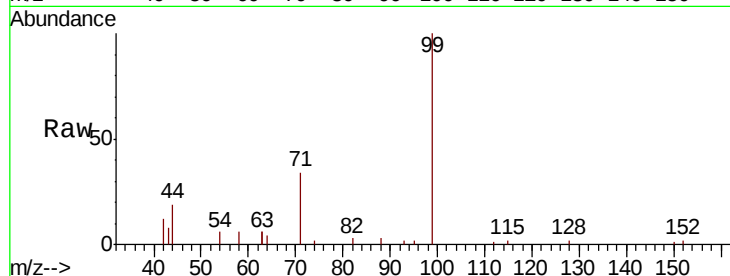
Tgt Ion: 99 Resp: 6632

Ion Ratio Lower Upper

99 100

42 15.8 12.4 18.6

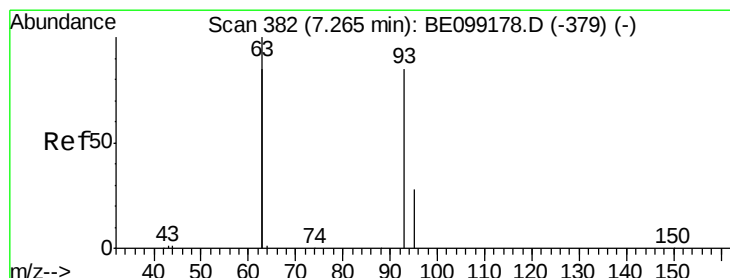
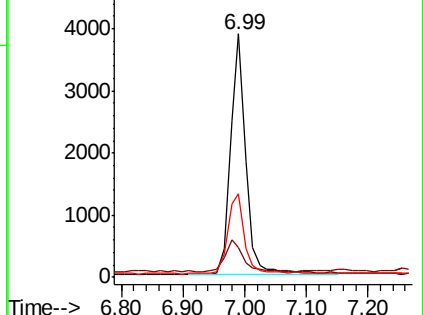
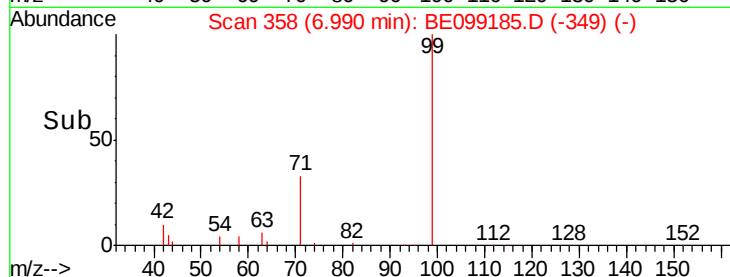
71 37.0 28.4 42.6



Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 0.362 ng

RT: 7.27 min Scan# 382

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

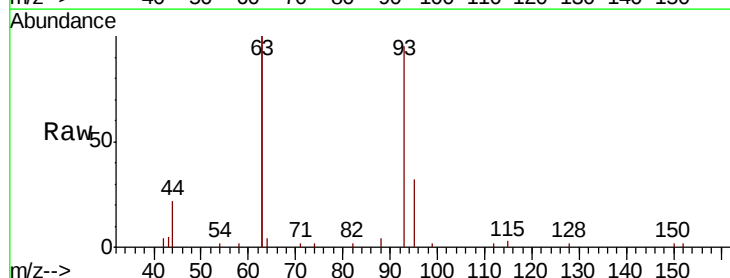
Tgt Ion: 93 Resp: 5100

Ion Ratio Lower Upper

93 100

63 276.2 221.4 332.0

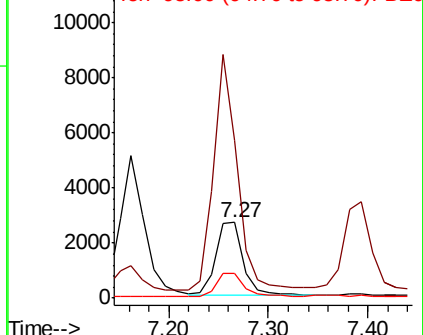
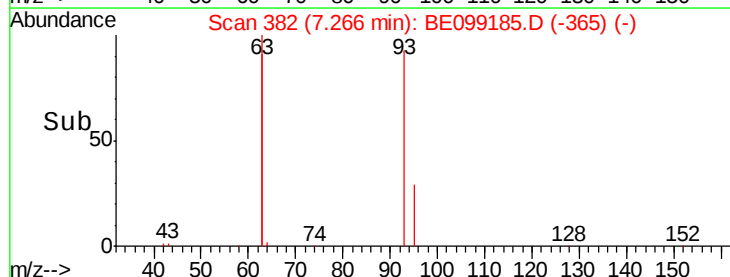
95 31.6 25.8 38.8



Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

Tgt Ion:136 Resp: 18532

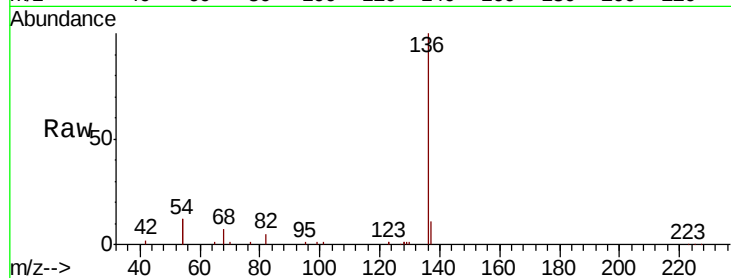
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 23.9 18.7 28.1

68 6.9 5.2 7.8

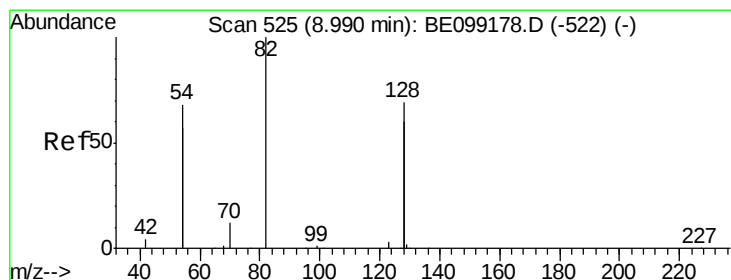
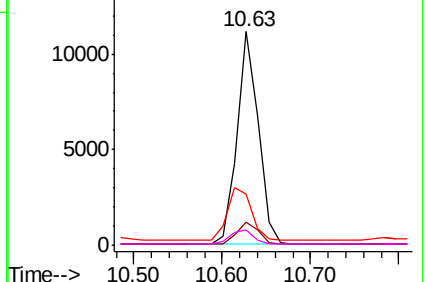
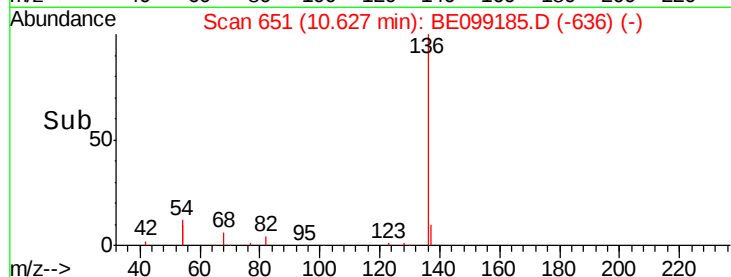


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.338 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

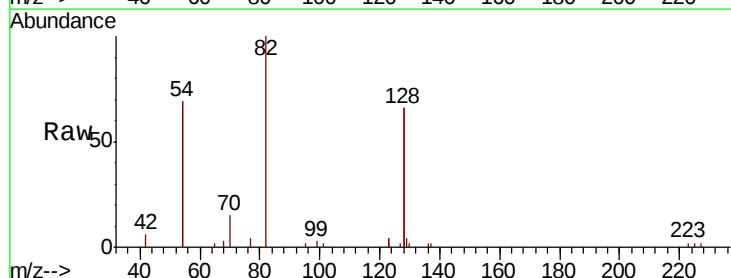
Tgt Ion: 82 Resp: 5118

Ion Ratio Lower Upper

82 100

128 131.8 107.5 161.3

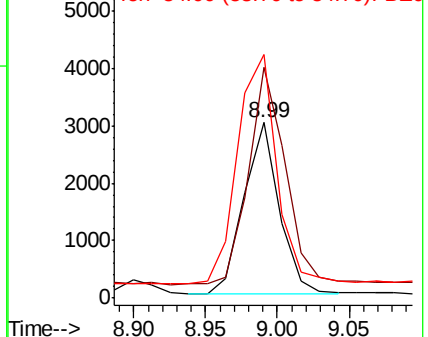
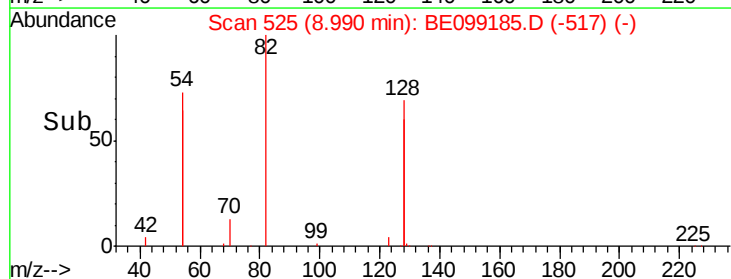
54 138.9 106.3 159.5

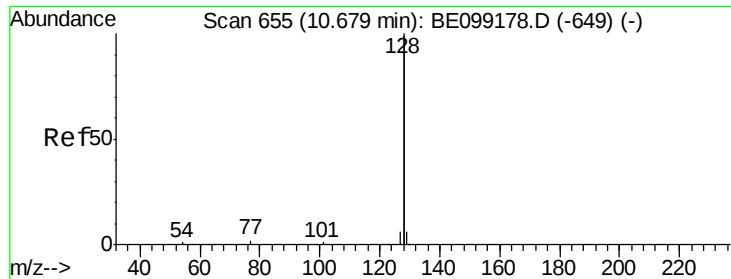


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.355 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

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ClientSampleId :

DFTPP

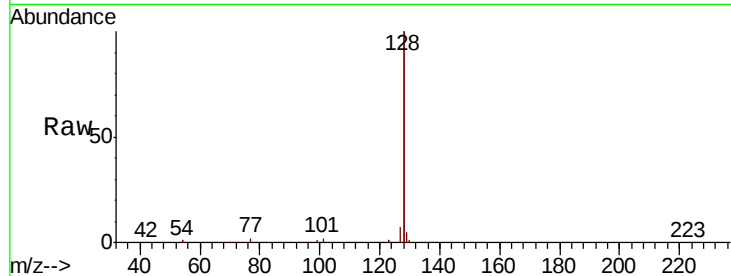
Tgt Ion:128 Resp: 77649

Ion Ratio Lower Upper

128 100

129 2.7 2.3 3.5

127 3.3 2.6 3.8

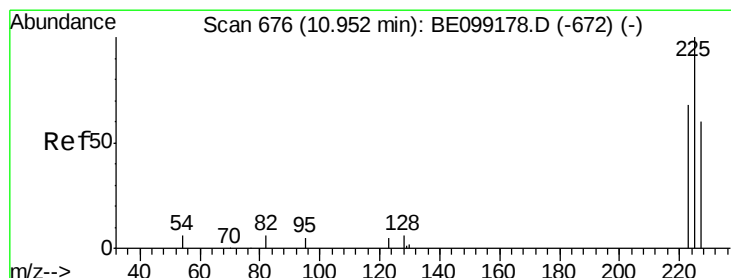
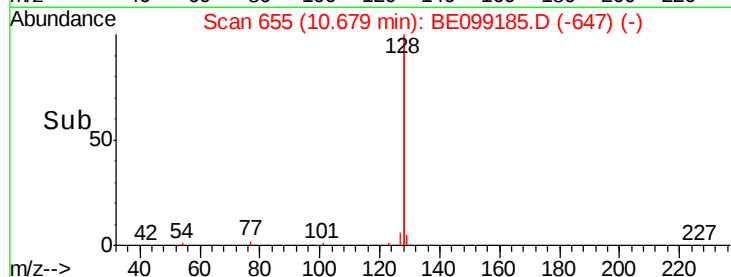
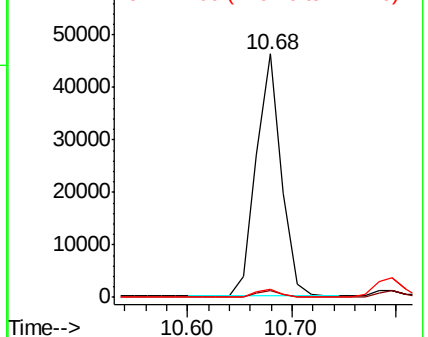


Abundance

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: 0.355 ng

RT: 10.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

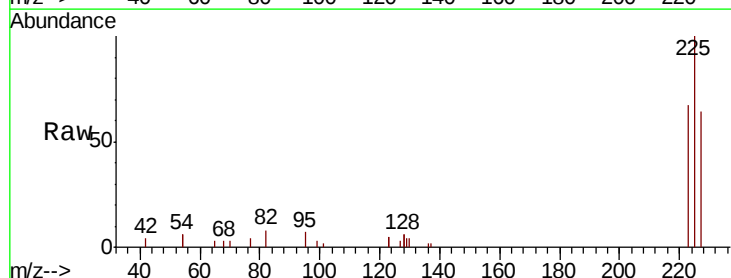
Tgt Ion:225 Resp: 4139

Ion Ratio Lower Upper

225 100

223 61.8 51.3 76.9

227 64.0 48.6 73.0

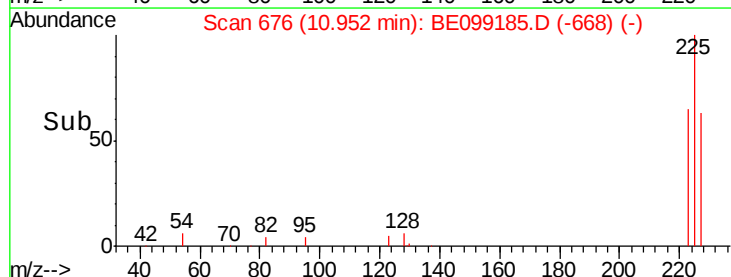
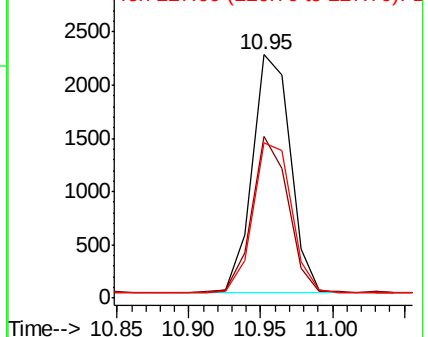


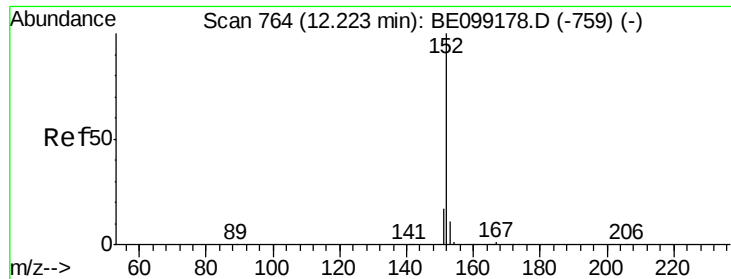
Abundance

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

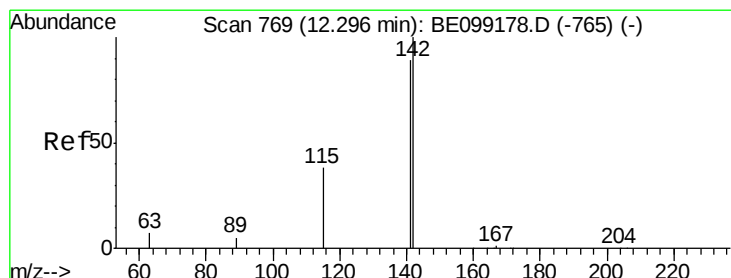
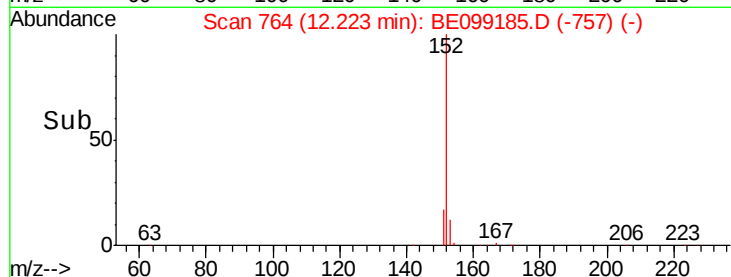
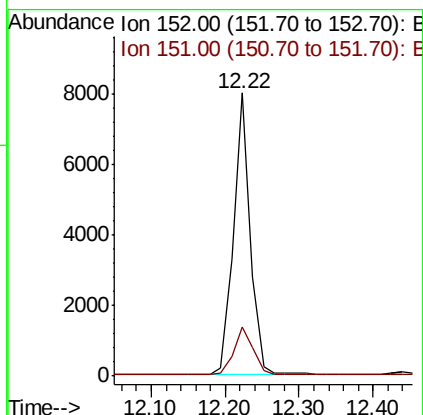
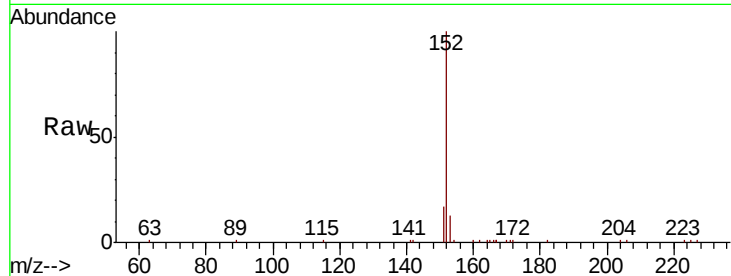




#11
 2-Methylnaphthalene-d10
 Concen: 0.351 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE099185.D
 Acq: 25 Mar 2019 18:24

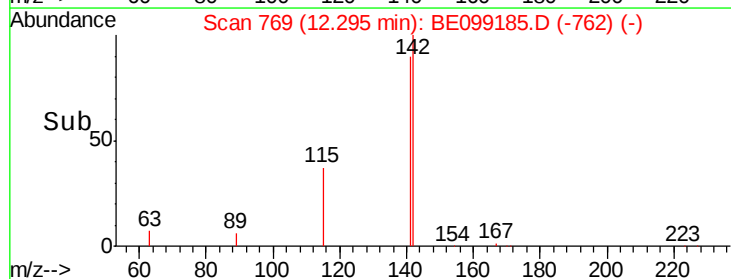
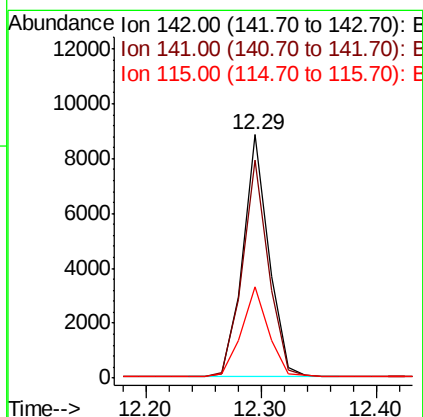
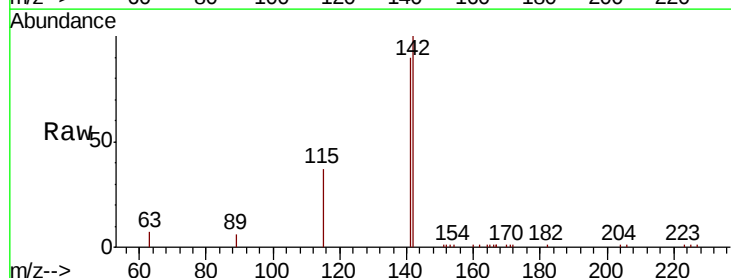
Instrument :
 BNA_E
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 DFTPP

Tgt Ion:152 Resp: 12544
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.350 ng
 RT: 12.29 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BE099185.D
 Acq: 25 Mar 2019 18:24

Tgt Ion:142 Resp: 13675
 Ion Ratio Lower Upper
 142 100
 141 89.7 71.3 106.9
 115 37.4 30.4 45.6

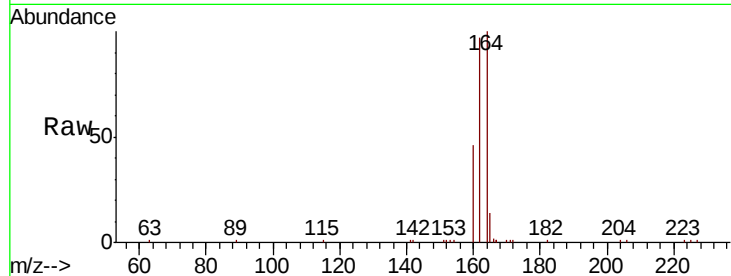




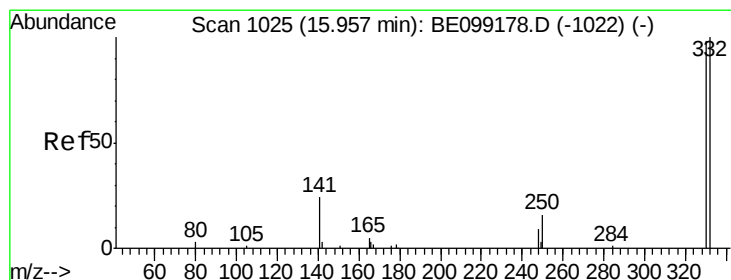
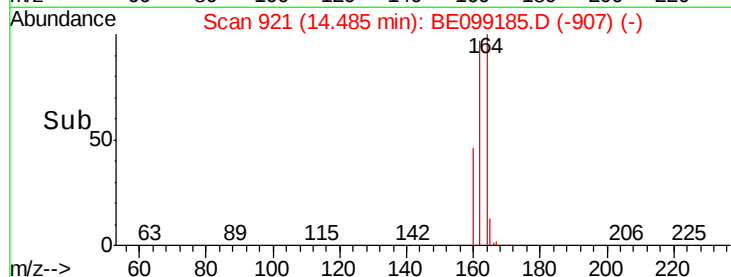
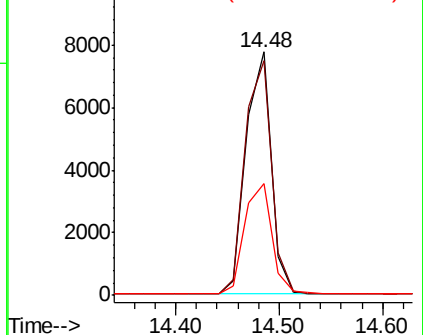
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Instrument :
BNA_E
ClientSampleId :
DFTPP

Tgt Ion:164 Resp: 13091
Ion Ratio Lower Upper
164 100
162 96.6 79.2 118.8
160 46.1 36.7 55.1

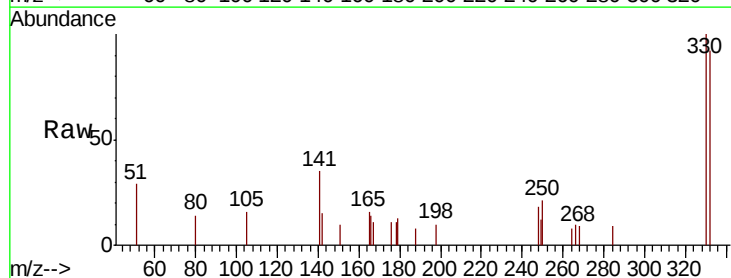


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

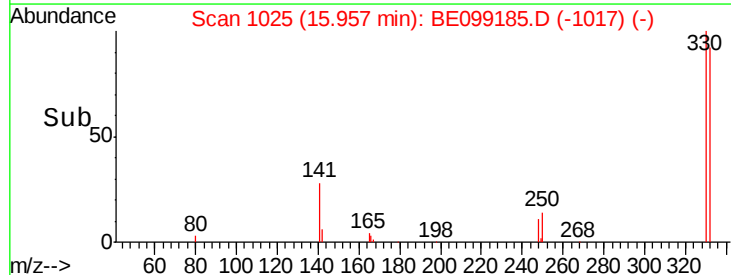
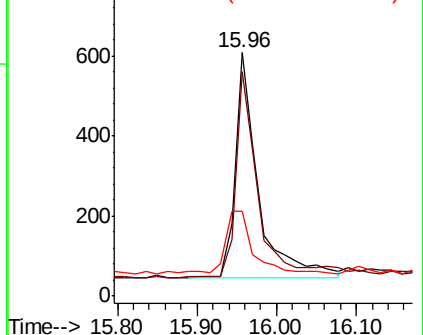


#14
2,4,6-Tribromophenol
Concen: 0.383 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Tgt Ion:330 Resp: 1139
Ion Ratio Lower Upper
330 100
332 83.8 71.3 106.9
141 33.2 21.7 32.5#



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

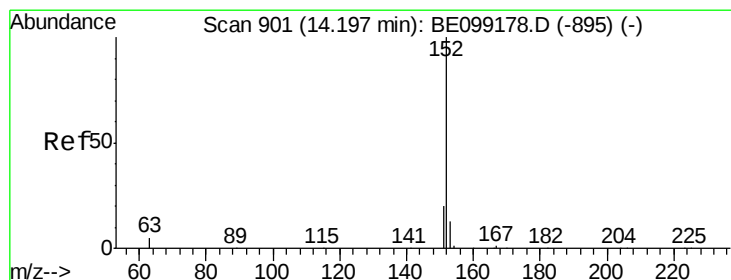
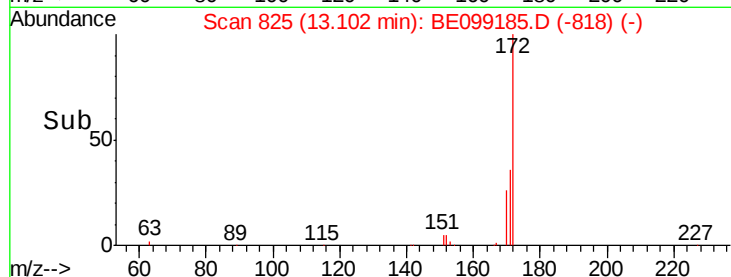
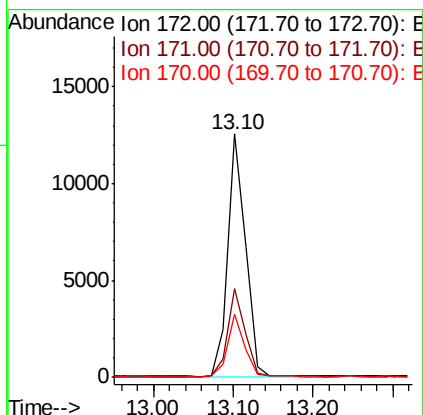
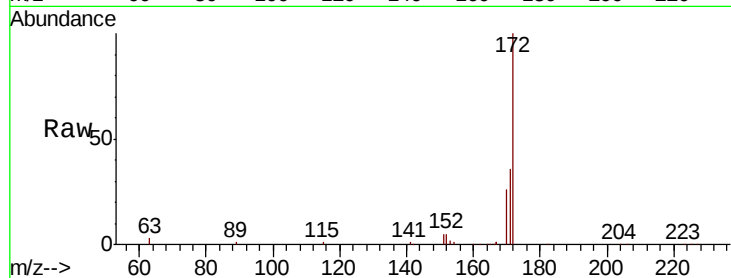




#15
2-Fluorobiphenyl
Concen: 0.360 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

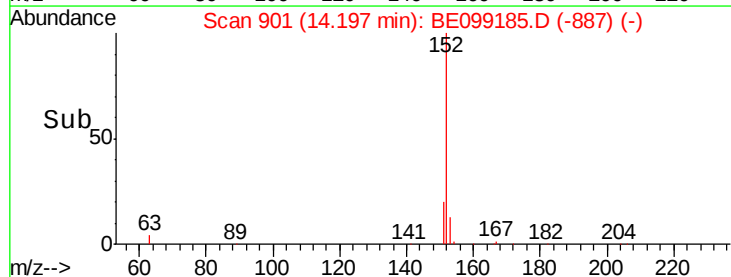
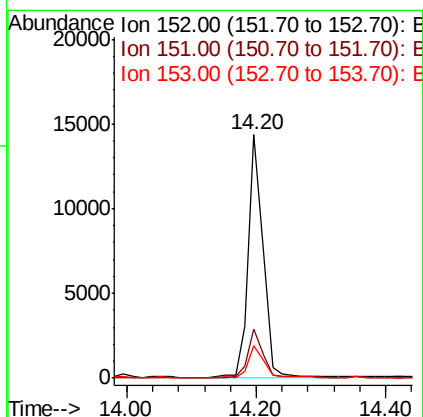
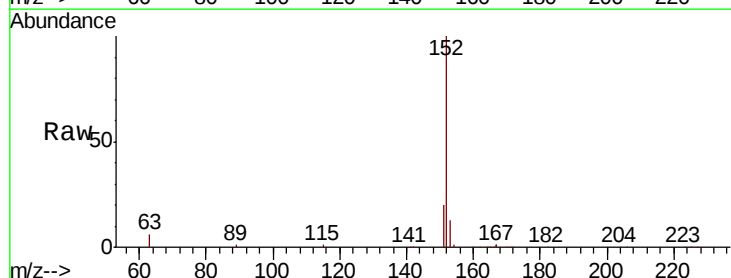
Instrument :
BNA_E
ClientSampleId :
DFTPP

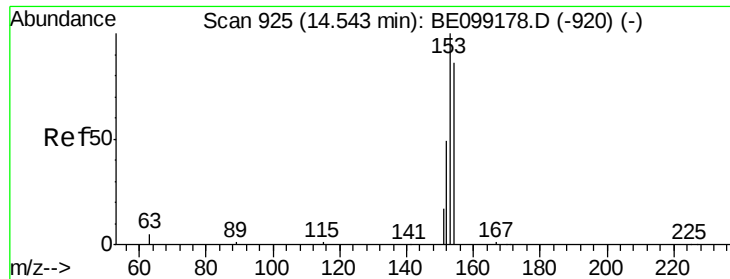
Tgt Ion:172 Resp: 19199
Ion Ratio Lower Upper
172 100
171 36.3 27.4 41.0
170 26.1 19.1 28.7



#16
Acenaphthylene
Concen: 0.335 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Tgt Ion:152 Resp: 22373
Ion Ratio Lower Upper
152 100
151 19.5 15.7 23.5
153 13.3 10.6 15.8

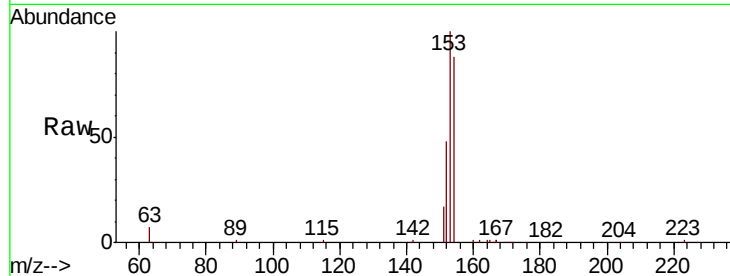




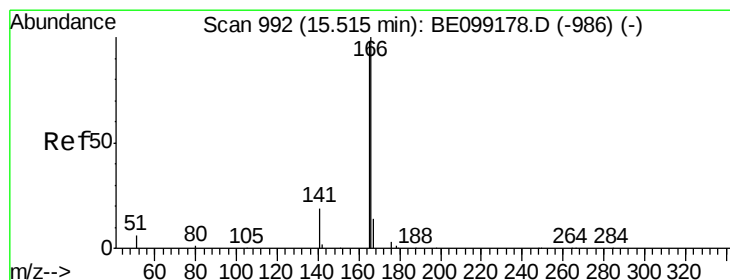
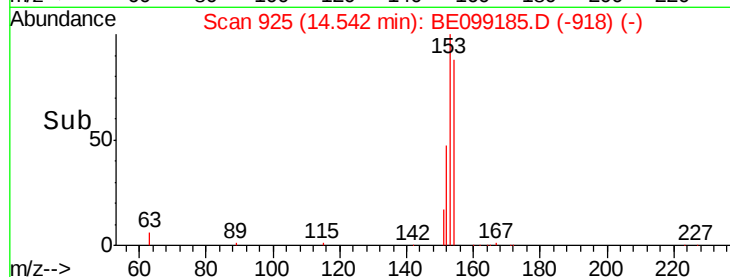
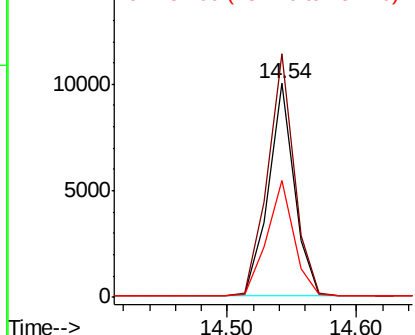
#17
Acenaphthene
Concen: 0.350 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Instrument :
BNA_E
ClientSampleId :
DFTPP

Tgt Ion:154 Resp: 13963
Ion Ratio Lower Upper
154 100
153 117.2 93.4 140.0
152 56.6 46.6 69.8

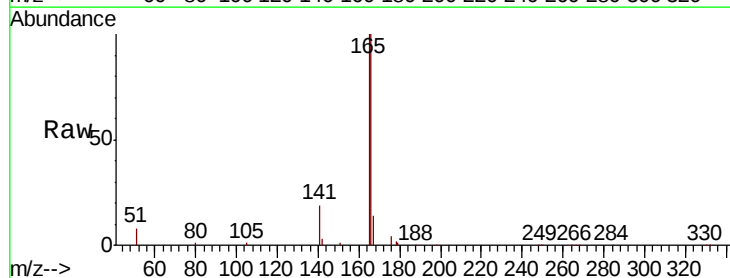


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

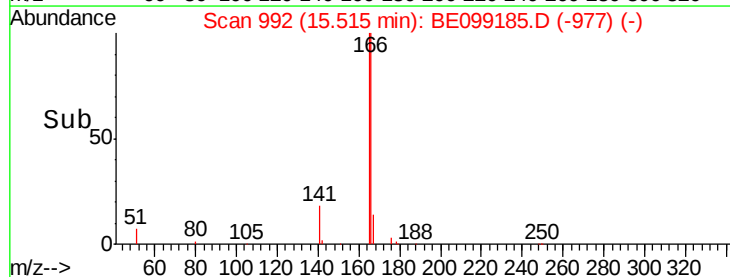
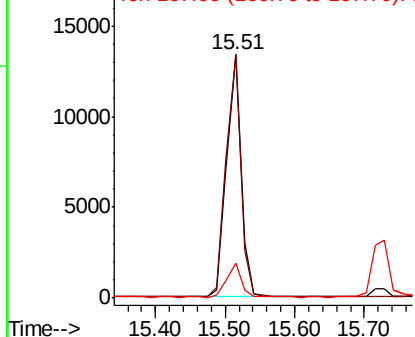


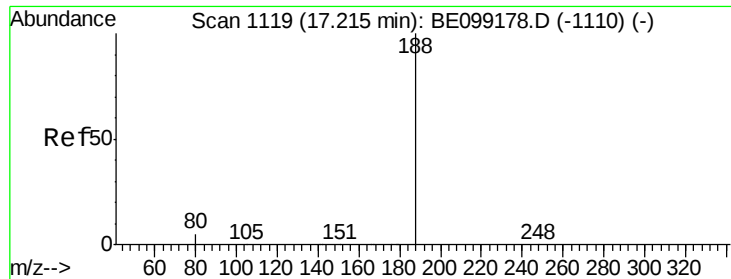
#18
Fluorene
Concen: 0.343 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Tgt Ion:166 Resp: 19280
Ion Ratio Lower Upper
166 100
165 101.1 78.9 118.3
167 13.9 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: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

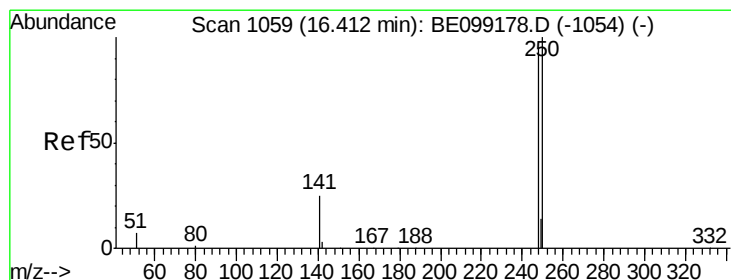
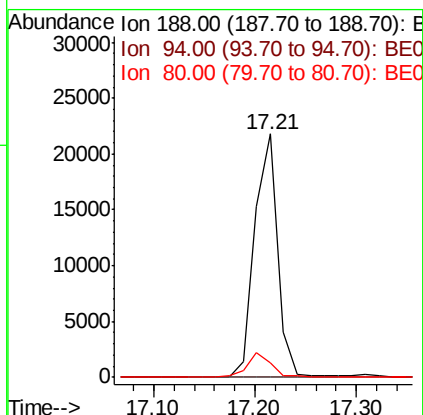
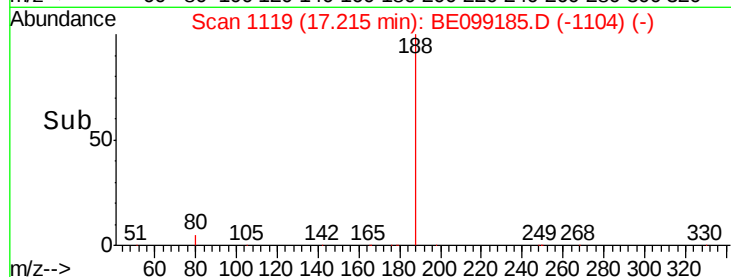
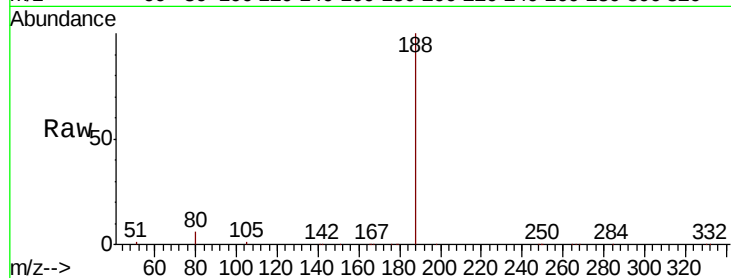
Tgt Ion:188 Resp: 34503

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.8 4.5 6.7



#20

4-Bromophenyl-phenylether

Concen: 0.316 ng

RT: 16.41 min Scan# 1059

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

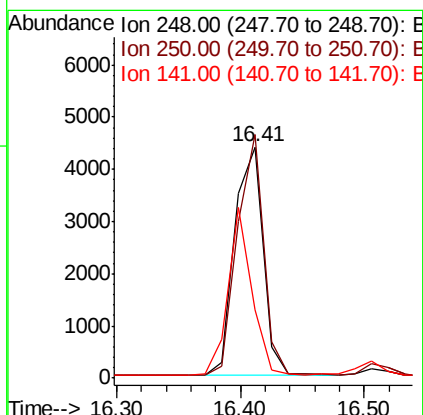
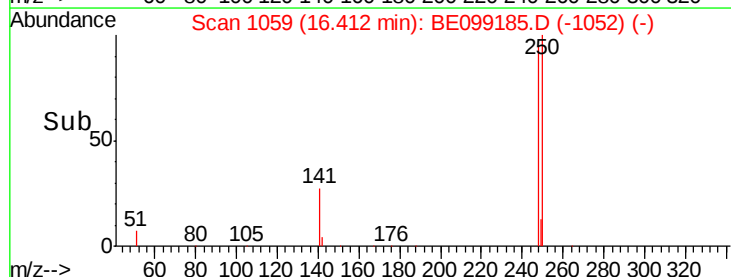
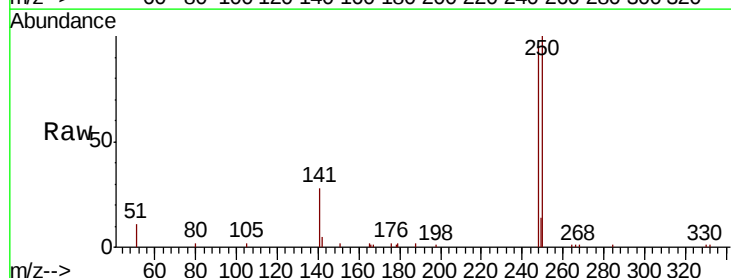
Tgt Ion:248 Resp: 7045

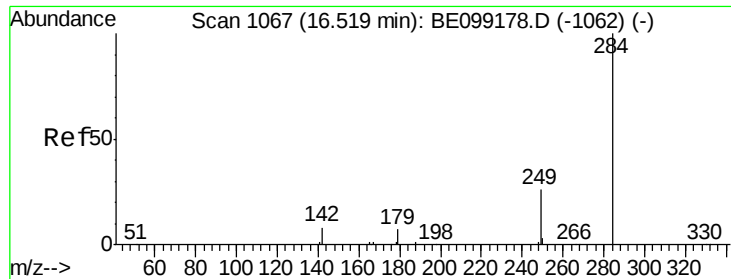
Ion Ratio Lower Upper

248 100

250 105.4 84.2 126.2

141 29.5 21.8 32.6

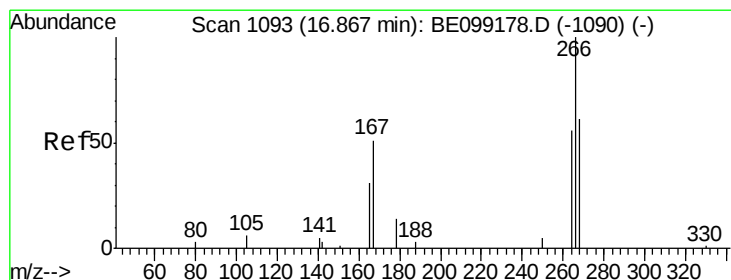
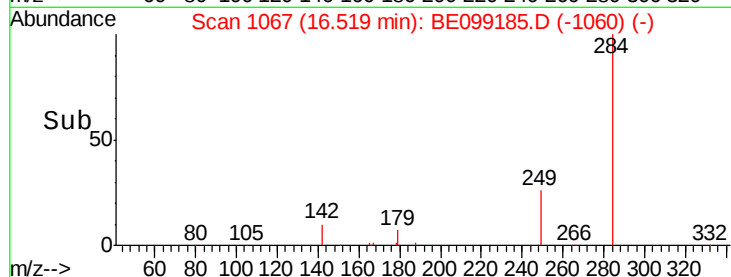
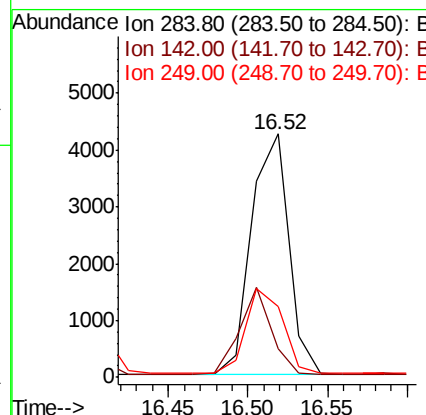
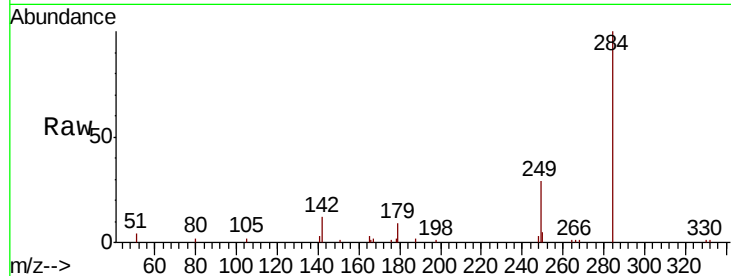




#21
Hexachlorobenzene
Concen: 0.324 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

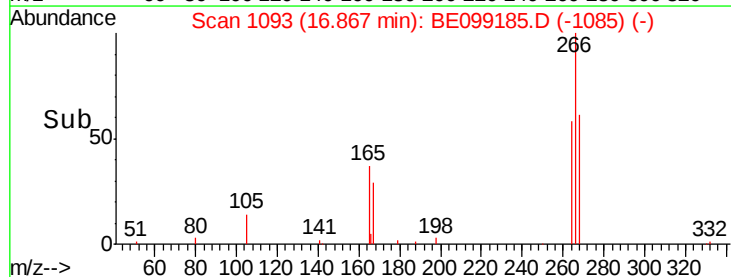
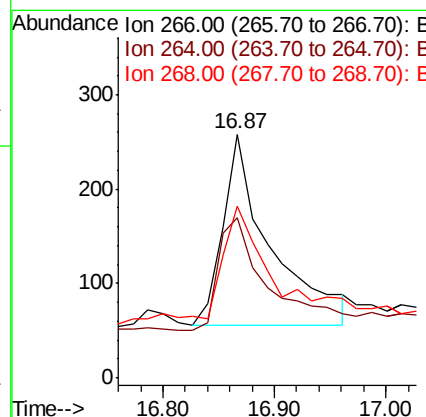
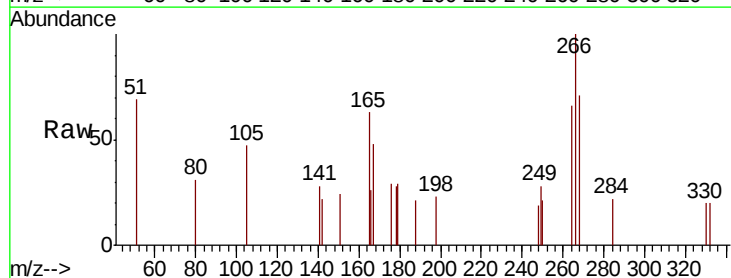
Instrument :
BNA_E
ClientSampleId :
DFTPP

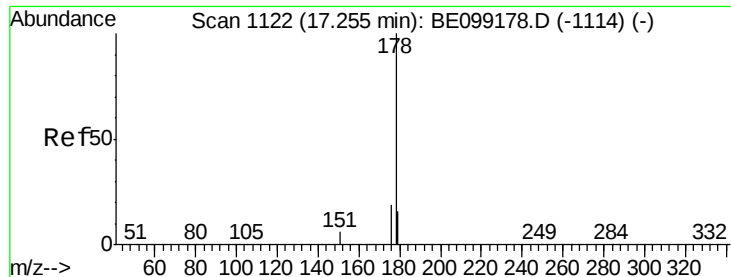
Tgt Ion:284 Resp: 6965
Ion Ratio Lower Upper
284 100
142 30.4 22.7 34.1
249 34.6 26.9 40.3



#22
Pentachlorophenol
Concen: 0.429 ng
RT: 16.87 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Tgt Ion:266 Resp: 600
Ion Ratio Lower Upper
266 100
264 65.9 54.4 81.6
268 70.5 61.3 91.9





#23

Phenanthrene

Concen: 0.340 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

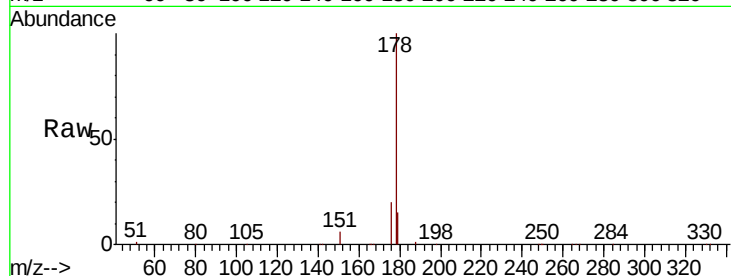
Tgt Ion:178 Resp: 34486

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

179 14.9 12.3 18.5

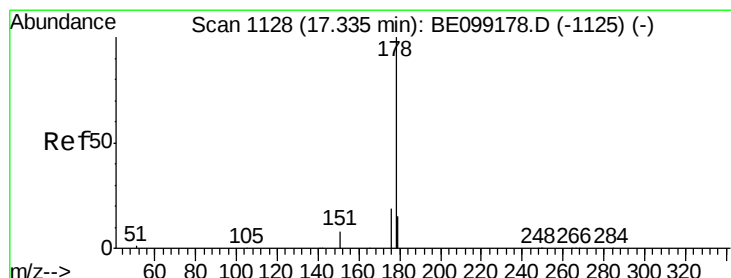
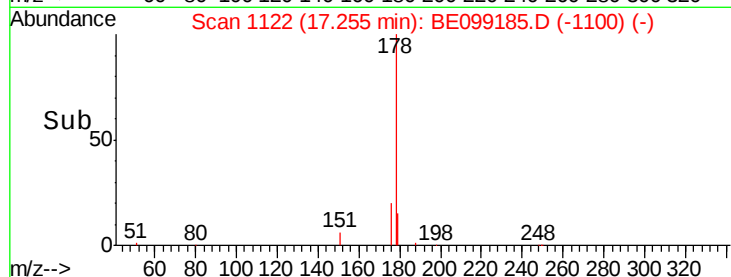
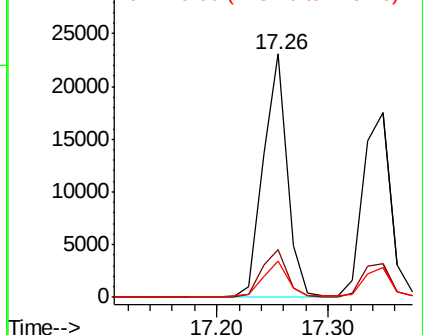


Abundance

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: 0.328 ng

RT: 17.35 min Scan# 1129

Delta R.T. 0.01 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

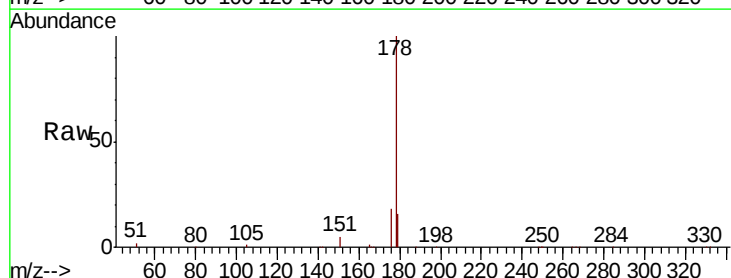
Tgt Ion:178 Resp: 29988

Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 15.2 12.4 18.6

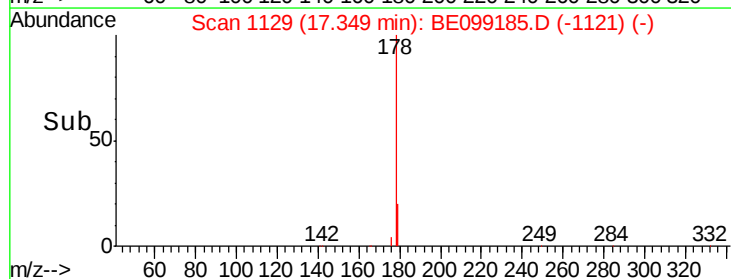
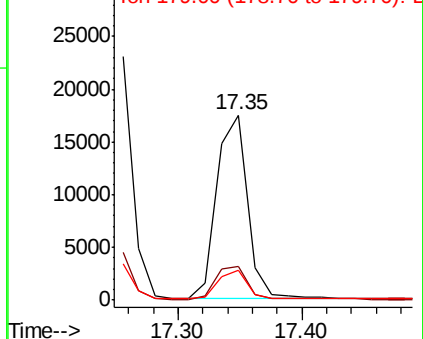


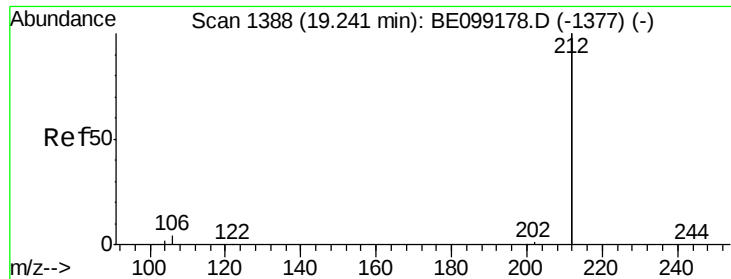
Abundance

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: 0.346 ng

RT: 19.24 min Scan# 1387

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

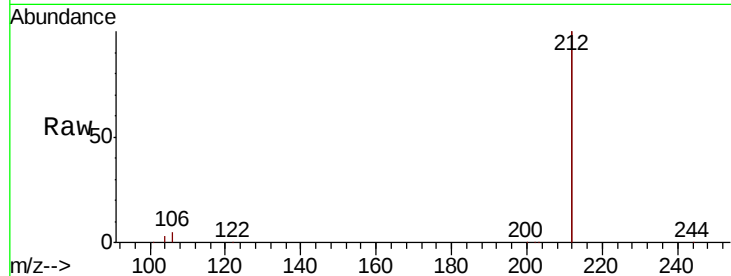
Tgt Ion:212 Resp: 144767

Ion Ratio Lower Upper

212 100

106 2.4 1.8 2.8

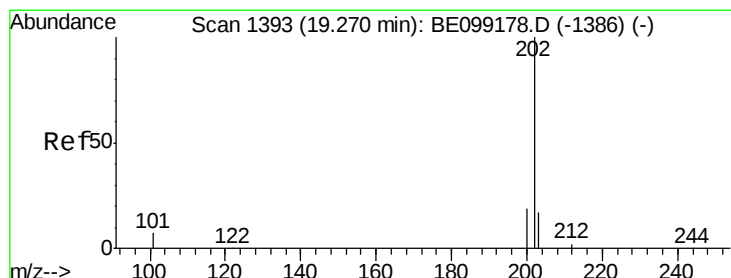
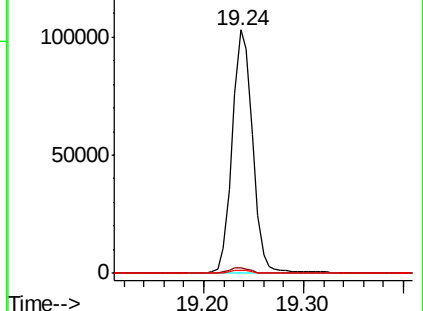
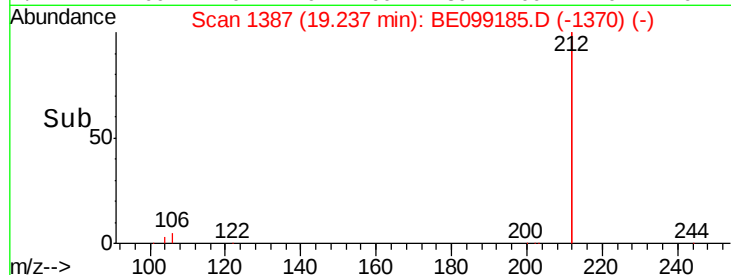
104 1.4 1.1 1.7



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: 0.333 ng

RT: 19.27 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

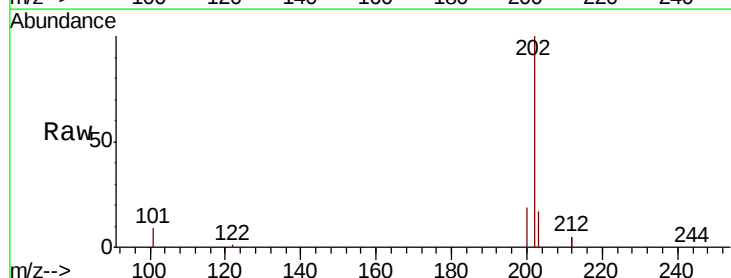
Tgt Ion:202 Resp: 43081

Ion Ratio Lower Upper

202 100

101 8.6 7.0 10.4

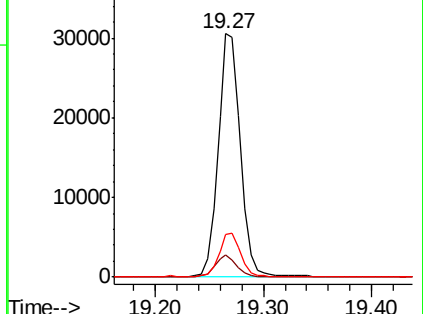
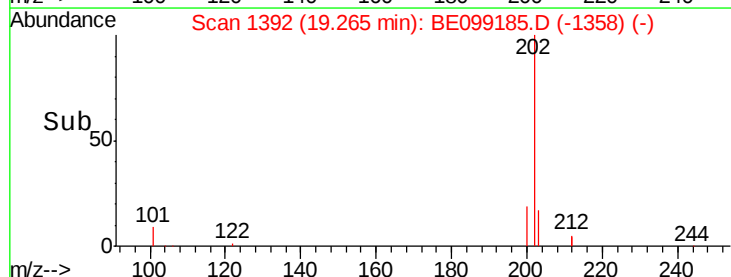
203 17.2 13.8 20.6



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

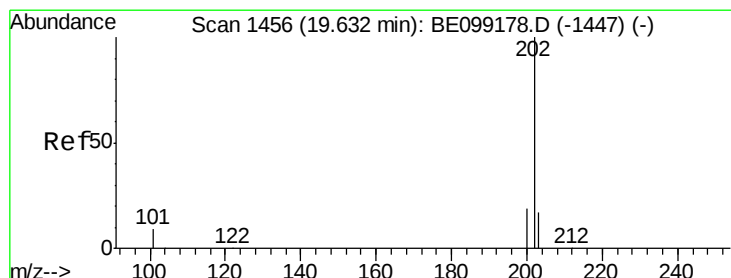
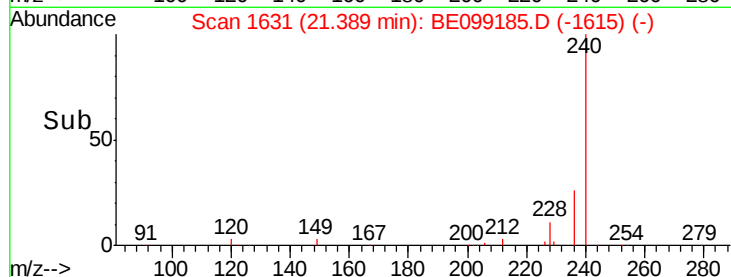
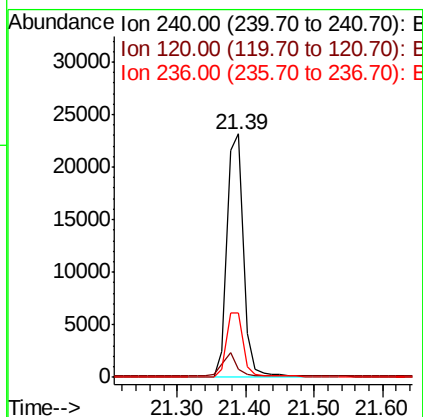
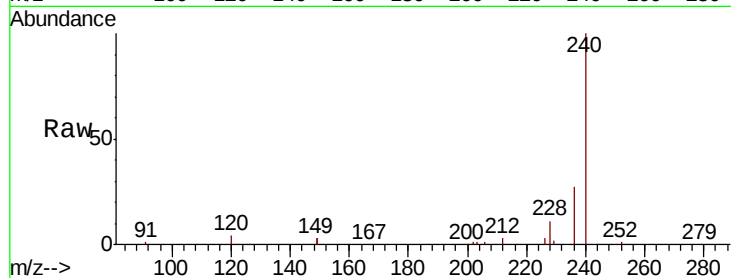




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

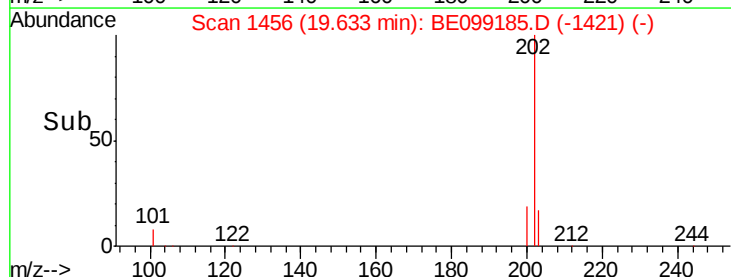
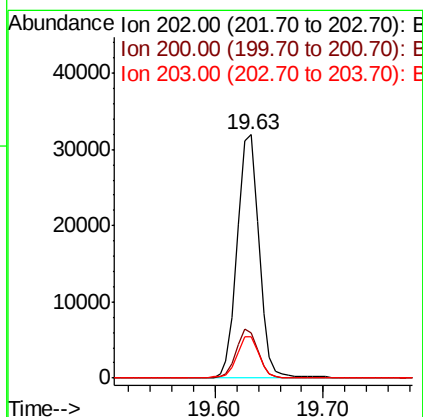
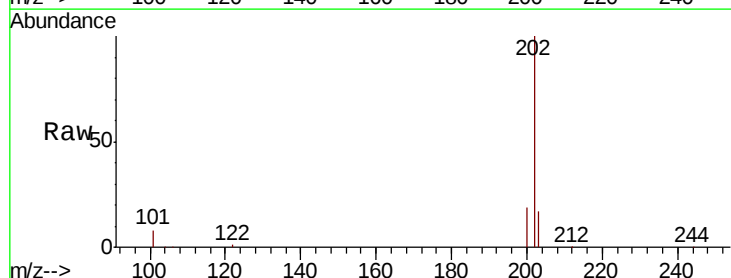
Instrument :
BNA_E
ClientSampleId :
DFTPP

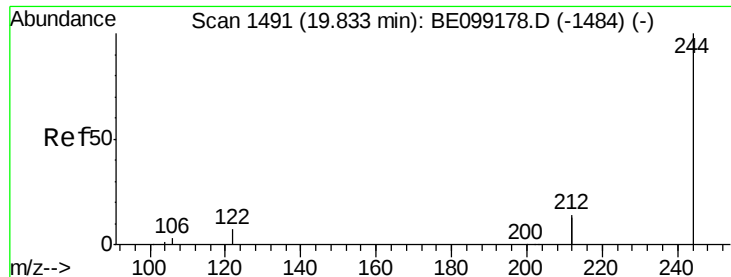
Tgt Ion:240 Resp: 38855
Ion Ratio Lower Upper
240 100
120 3.5 2.6 3.8
236 26.6 20.9 31.3



#28
Pyrene
Concen: 0.341 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099185.D
Acq: 25 Mar 2019 18:24

Tgt Ion:202 Resp: 44045
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.8
203 17.2 14.1 21.1





#29

Terphenyl-d14

Concen: 0.334 ng

RT: 19.83 min Scan# 1491

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

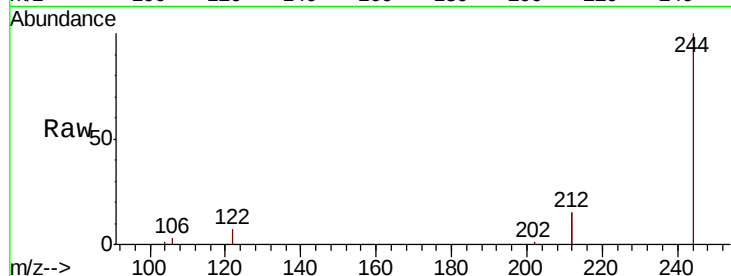
Tgt Ion:244 Resp: 28265

Ion Ratio Lower Upper

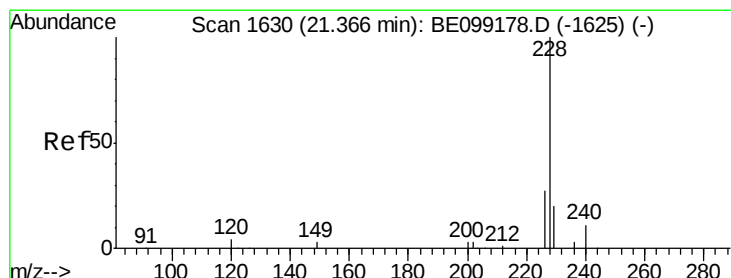
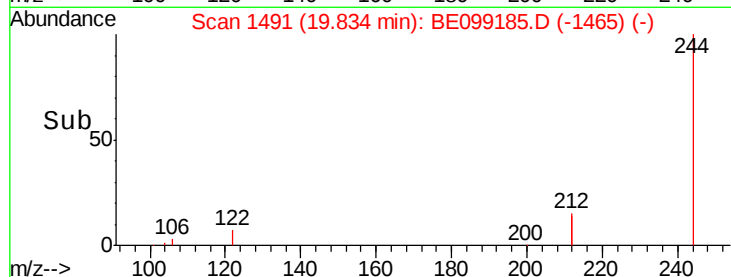
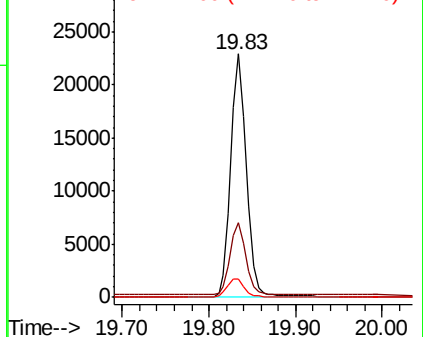
244 100

212 30.4 22.7 34.1

122 7.3 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: 0.329 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

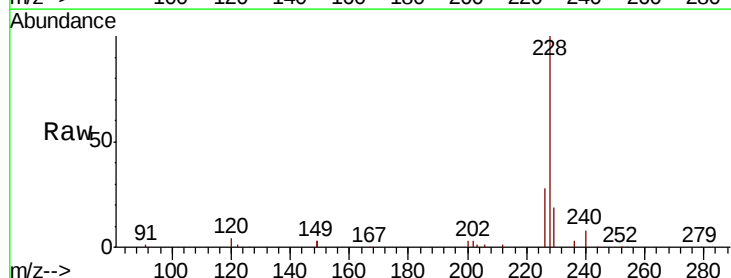
Tgt Ion:228 Resp: 42151

Ion Ratio Lower Upper

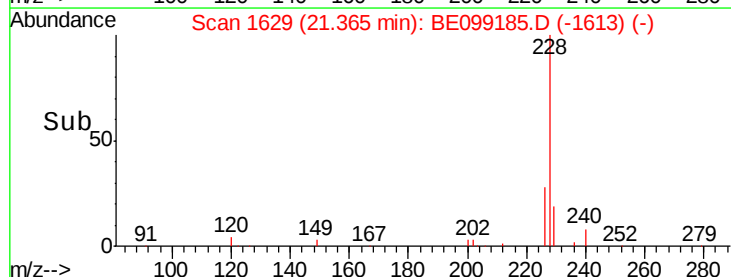
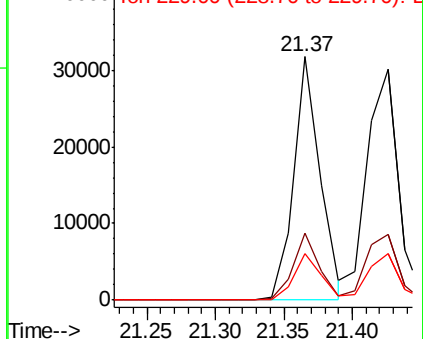
228 100

226 27.7 21.7 32.5

229 19.2 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.342 ng

RT: 21.43 min Scan# 1634

Delta R.T. 0.01 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

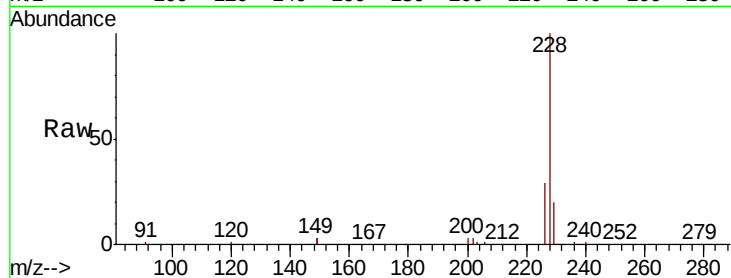
Tgt Ion: 228 Resp: 46901

Ion Ratio Lower Upper

228 100

226 28.5 24.8 37.2

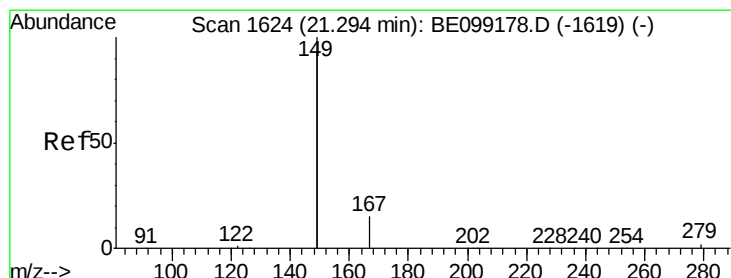
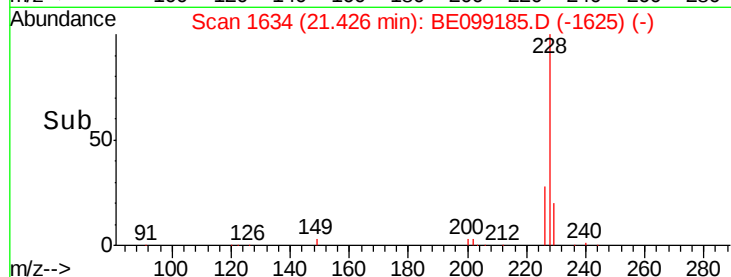
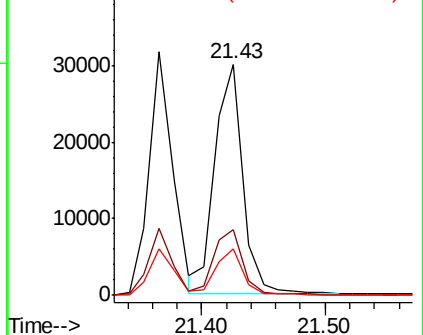
229 20.2 15.4 23.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.286 ng

RT: 21.29 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

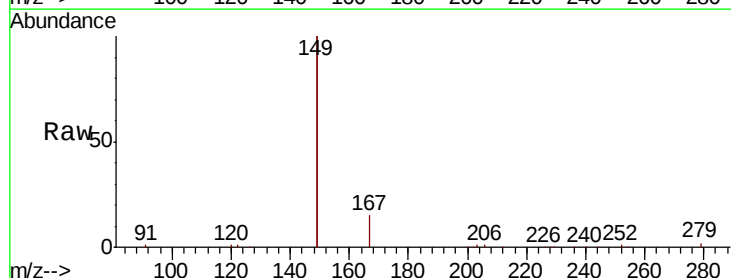
Tgt Ion: 149 Resp: 43674

Ion Ratio Lower Upper

149 100

167 7.3 5.9 8.9

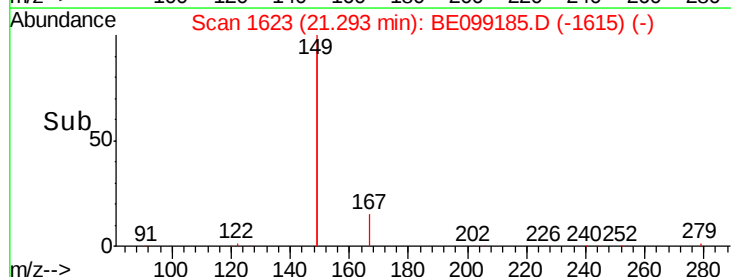
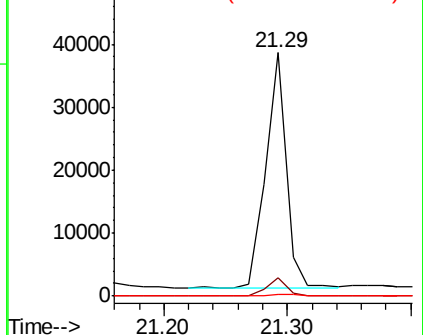
279 1.1 1.0 1.6



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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.289 ng

RT: 26.56 min Scan# 2949

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

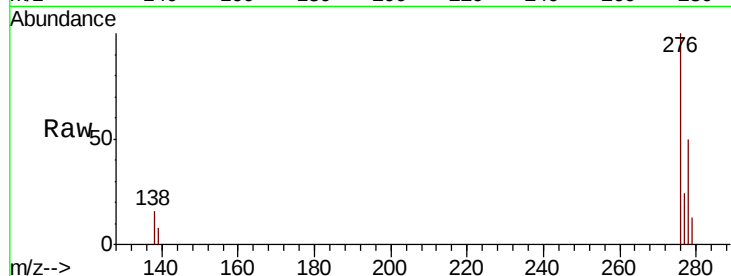
Tgt Ion:276 Resp: 37428

Ion Ratio Lower Upper

276 100

138 5.5 12.9 19.3#

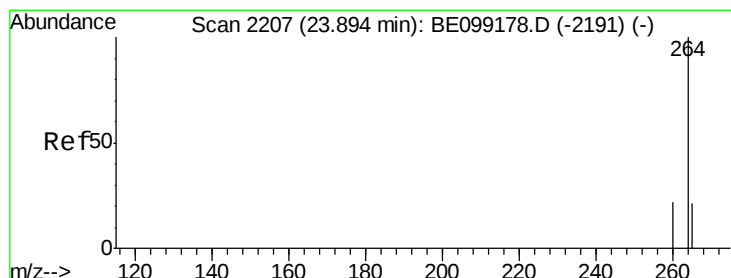
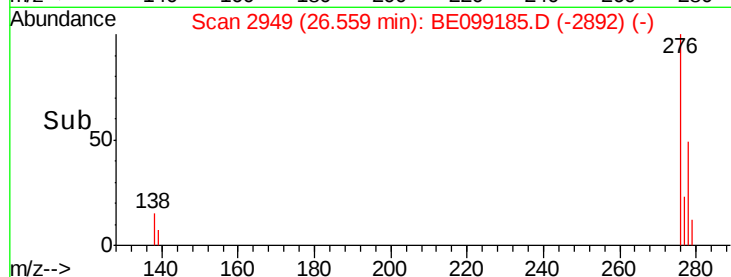
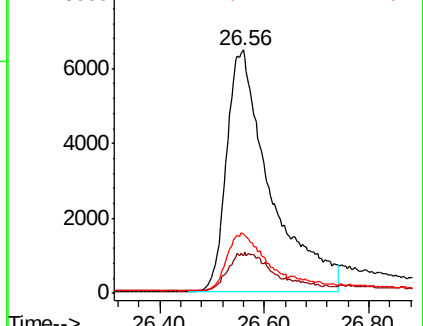
277 20.6 18.3 27.5



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: 23.90 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

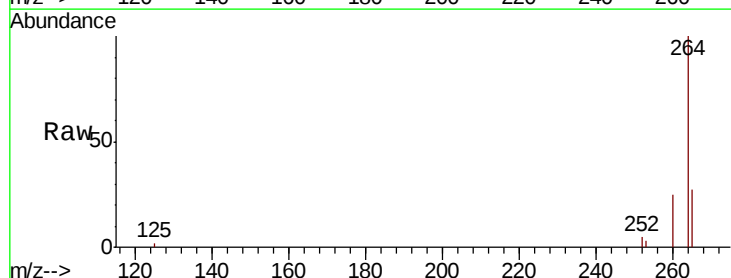
Tgt Ion:264 Resp: 36839

Ion Ratio Lower Upper

264 100

260 25.2 18.2 27.2

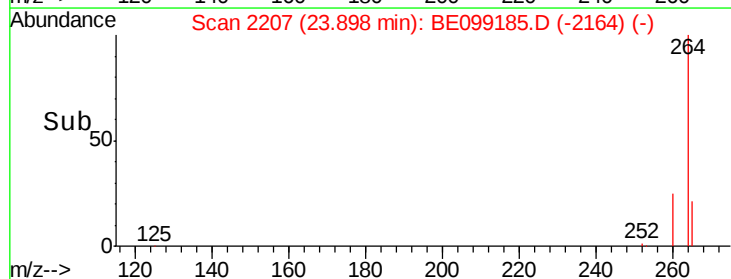
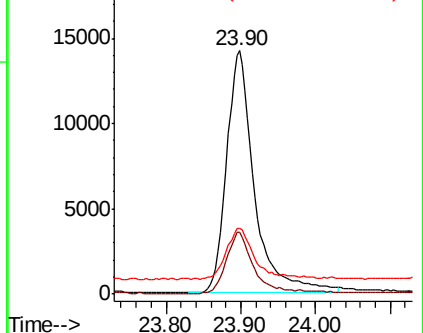
265 27.2 21.8 32.8



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: 0.319 ng

RT: 23.12 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

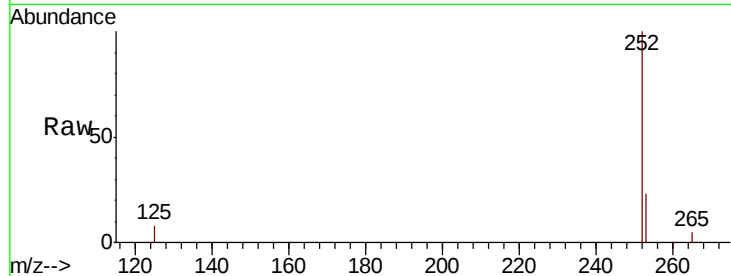
Tgt Ion:252 Resp: 38624

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

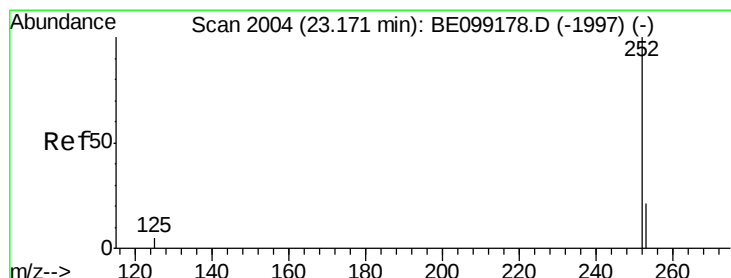
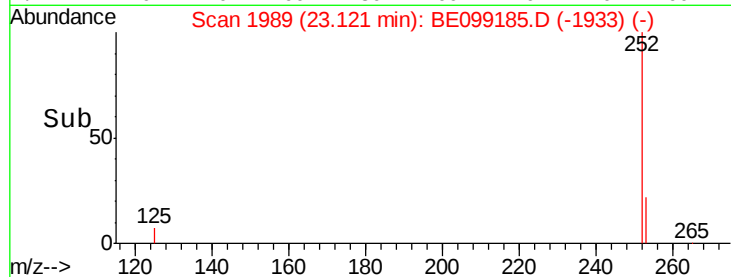
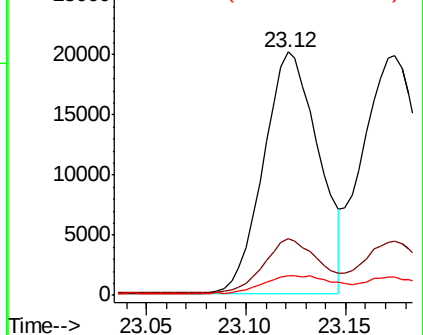
125 8.1 6.1 9.1



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



#36

Benzo(k)fluoranthene

Concen: 0.347 ng

RT: 23.17 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

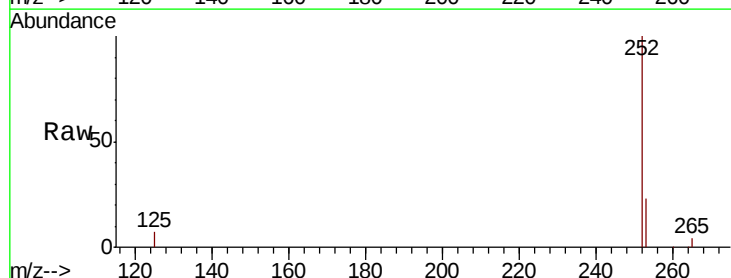
Tgt Ion:252 Resp: 44524

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

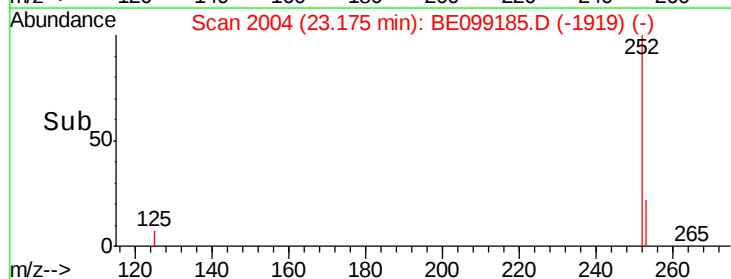
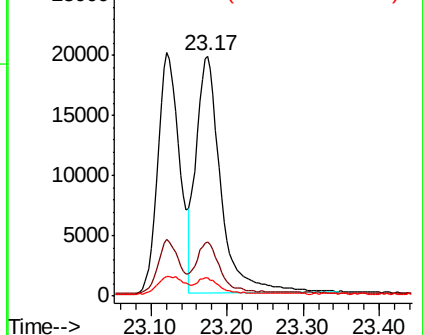
125 7.5 5.9 8.9

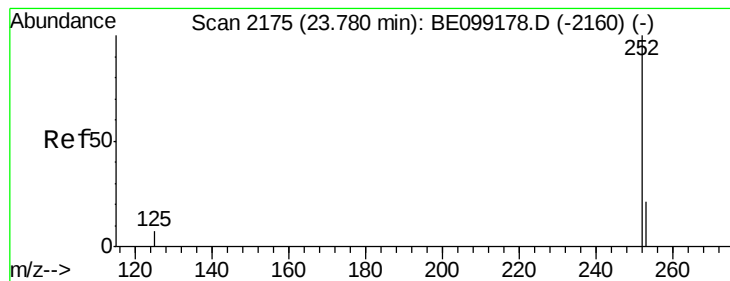


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.336 ng

RT: 23.78 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

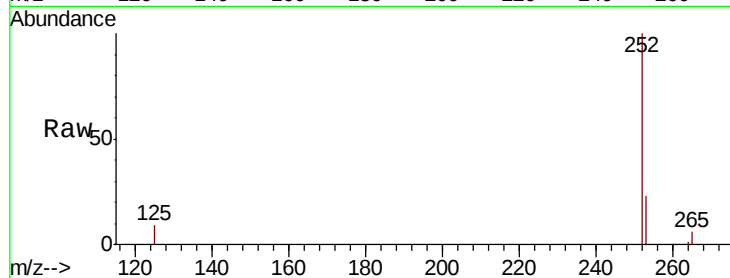
Tgt Ion:252 Resp: 38089

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

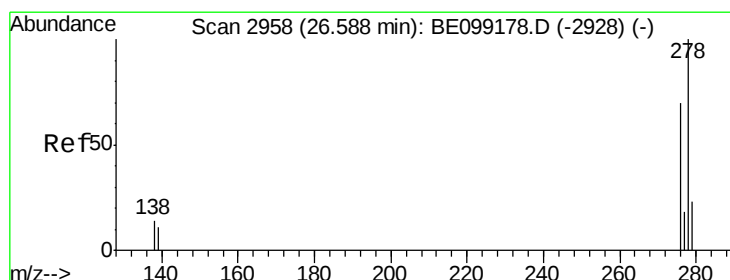
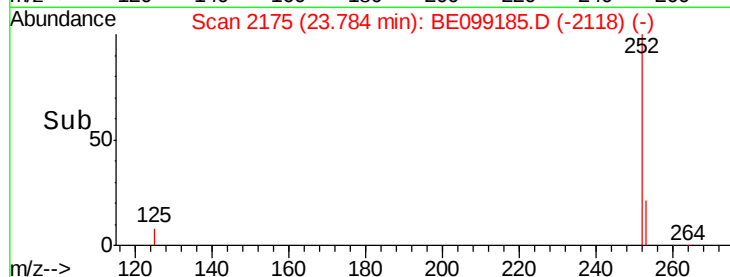
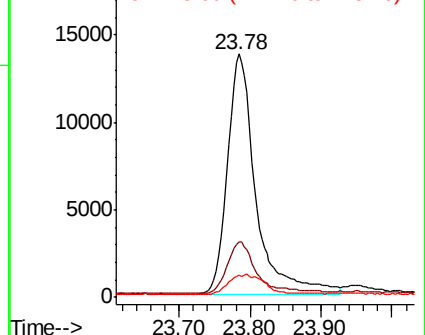
125 8.9 6.8 10.2



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: 0.292 ng

RT: 26.58 min Scan# 2956

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

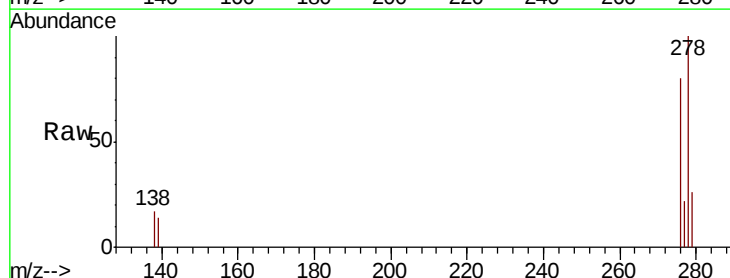
Tgt Ion:278 Resp: 29349

Ion Ratio Lower Upper

278 100

139 13.6 9.5 14.3

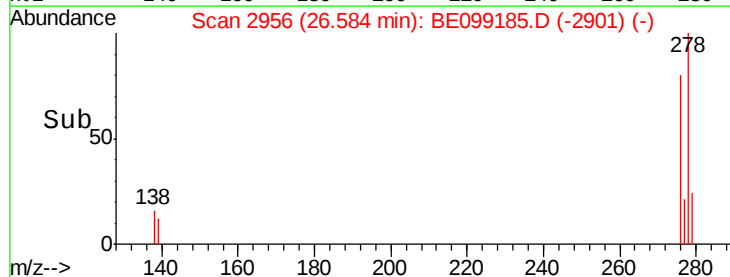
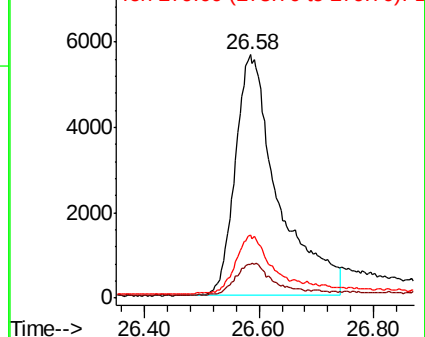
279 25.8 19.1 28.7

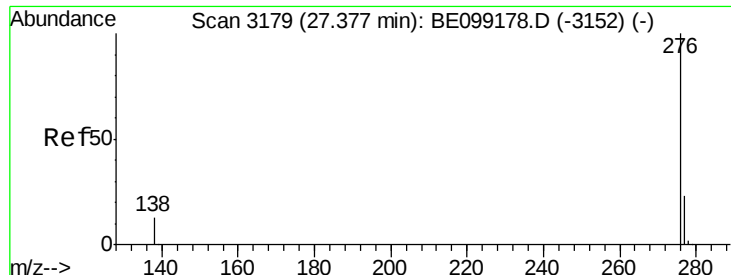


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.297 ng

RT: 27.38 min Scan# 3178

Delta R.T. -0.00 min

Lab File: BE099185.D

Acq: 25 Mar 2019 18:24

Instrument :

BNA_E

ClientSampleId :

DFTPP

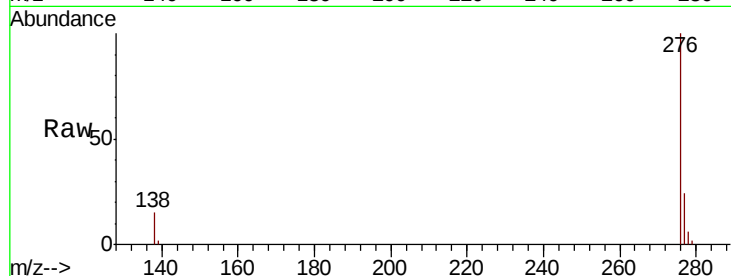
Tgt Ion: 276 Resp: 29975

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 15.1 11.1 16.7



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

