

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050319\
 Data File : BE099530.D
 Acq On : 3 May 2019 15:10
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: May 03 23:36:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 29 18:36:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	2151	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	8109	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6417	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	20002	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26267	0.40	ng	0.00
34) Perylene-d12	23.87	264	30498	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.39	112	2674	0.45	ng	0.00
5) Phenol-d6	6.96	99	3695	0.47	ng	-0.01
8) Nitrobenzene-d5	8.96	82	3290	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	5838	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1988	0.49	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	9843	0.40	ng	0.00
25) Fluoranthene-d10	19.23	212	106615	0.40	ng	0.00
29) Terphenyl-d14	19.82	244	23191	0.48	ng	0.00

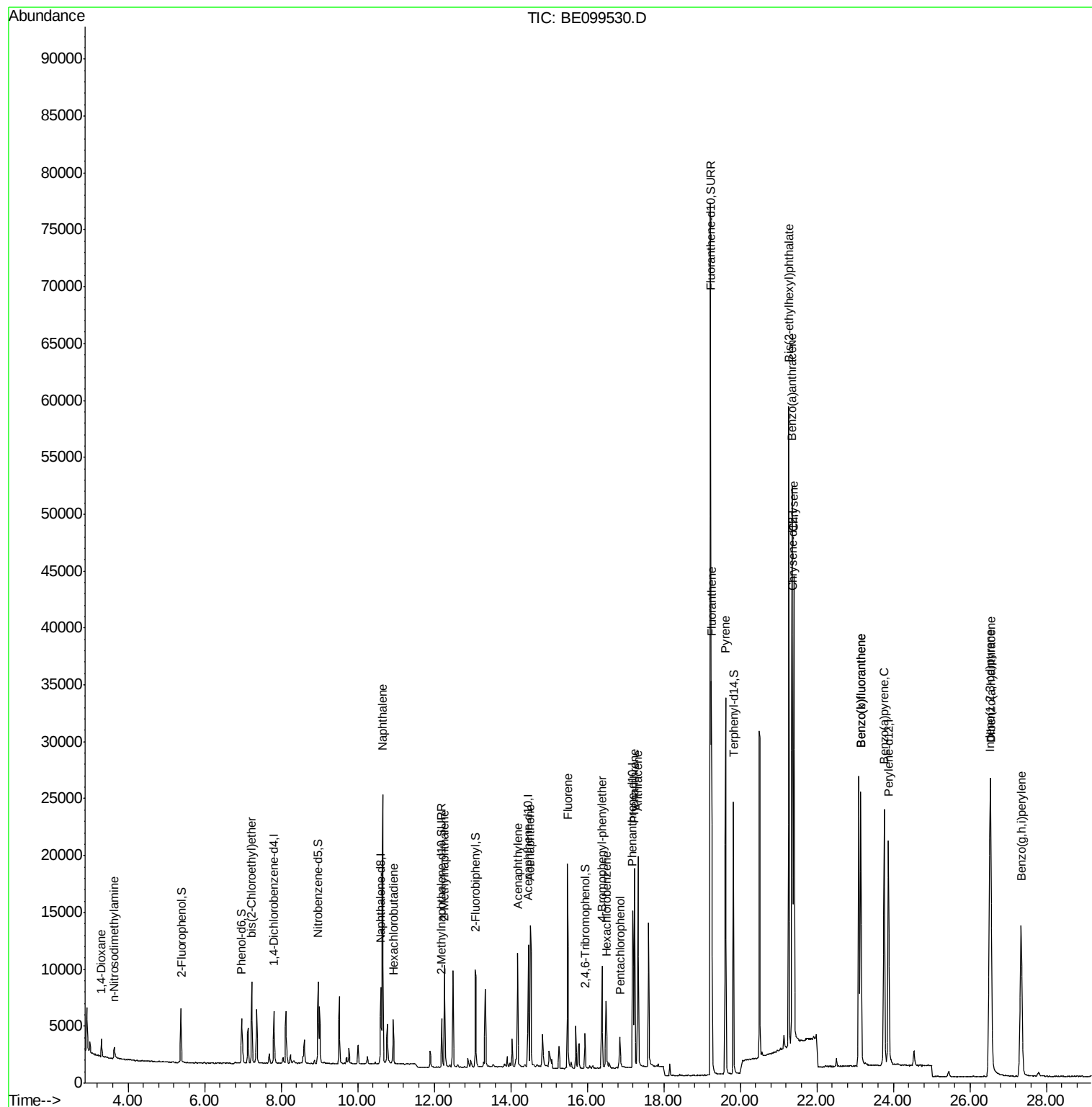
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.30	88	1291	0.436	ng	# 88
3) n-Nitrosodimethylamine	3.64	42	774	0.434	ng	# 92
6) bis(2-Chloroethyl)ether	7.23	93	2771	0.406	ng	99
9) Naphthalene	10.65	128	37622	0.426	ng	100
10) Hexachlorobutadiene	10.93	225	2594	0.422	ng	99
12) 2-Methylnaphthalene	12.27	142	6397	0.416	ng	97
16) Acenaphthylene	14.18	152	12545	0.400	ng	99
17) Acenaphthene	14.51	154	7148	0.399	ng	100
18) Fluorene	15.49	166	10881	0.411	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	4584	0.394	ng	99
21) Hexachlorobenzene	16.49	284	4612	0.416	ng	100
22) Pentachlorophenol	16.85	266	2091	0.529	ng	94
23) Phenanthrene	17.23	178	21031	0.407	ng	99
24) Anthracene	17.32	178	19685	0.400	ng	100
26) Fluoranthene	19.25	202	31496	0.407	ng	99
28) Pyrene	19.62	202	33239	0.485	ng	100
30) Benzo(a)anthracene	21.35	228	38099	0.455	ng	99
31) Chrysene	21.40	228	37524	0.458	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	58597	0.425	ng	99
33) Indeno(1,2,3-cd)pyrene	26.52	276	44483	0.460	ng	99
35) Benzo(b)fluoranthene	23.15	252	36166	0.411	ng	99
36) Benzo(k)fluoranthene	23.15	252	36166	0.426	ng	99
37) Benzo(a)pyrene	23.76	252	35663	0.429	ng	# 97
38) Dibenzo(a,h)anthracene	26.55	278	35969	0.423	ng	98
39) Benzo(g,h,i)perylene	27.34	276	36260	0.426	ng	99

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

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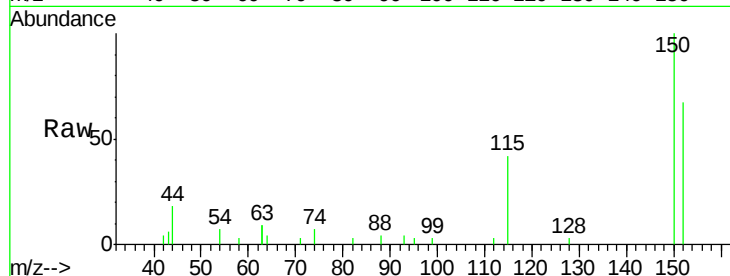


#1

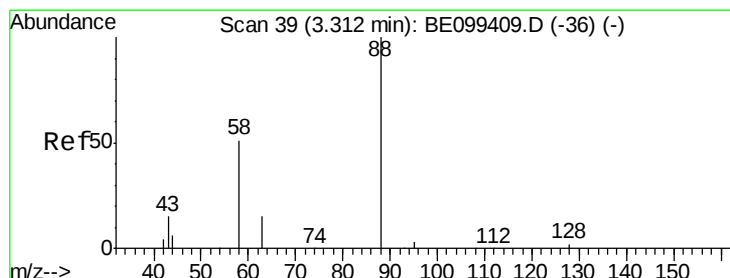
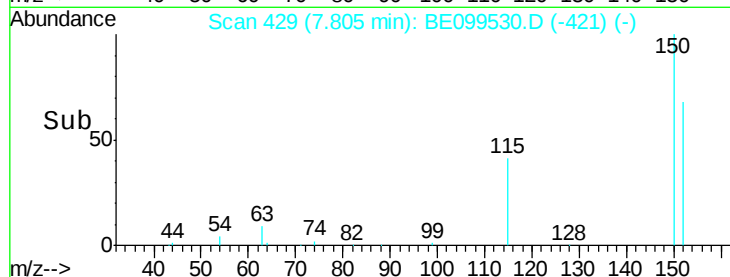
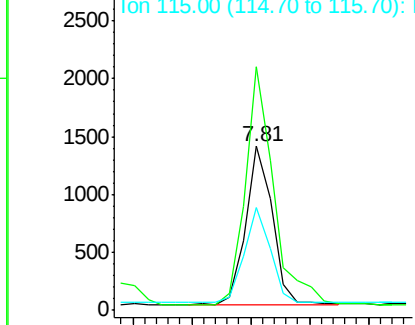
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 2151
Ion Ratio Lower Upper
152 100
150 148.4 104.8 157.2
115 62.6 46.6 69.8



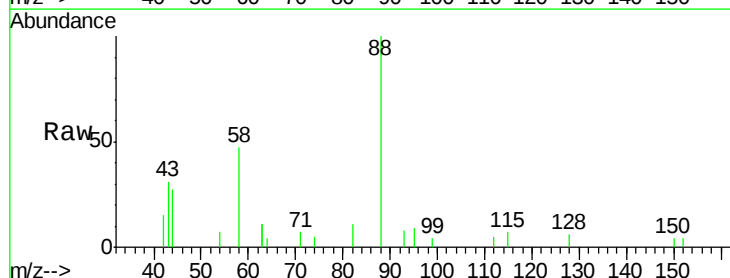
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



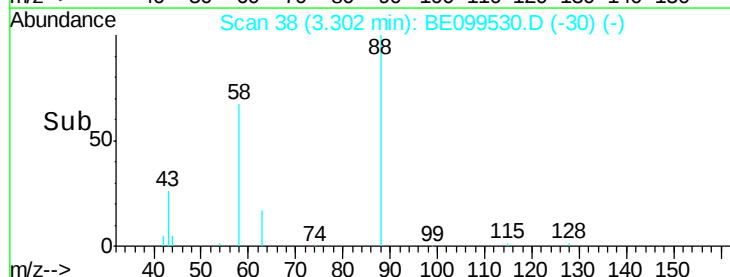
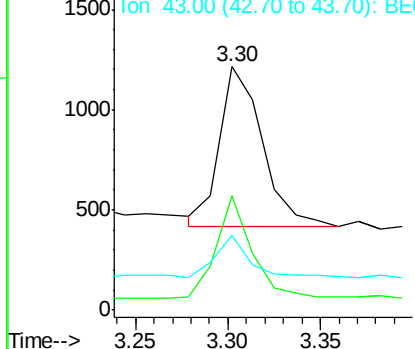
#2

1,4-Dioxane
Concen: 0.436 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

Tgt Ion: 88 Resp: 1291
Ion Ratio Lower Upper
88 100
58 53.4 51.0 76.6
43 20.4 20.6 30.8#



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



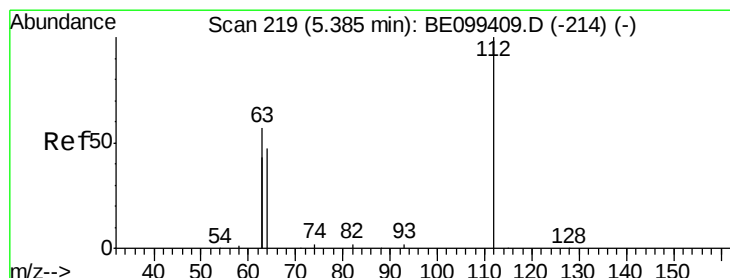
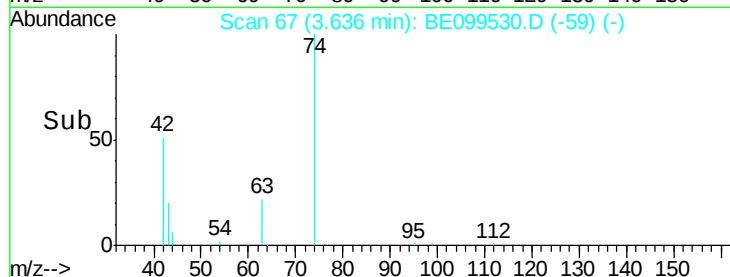
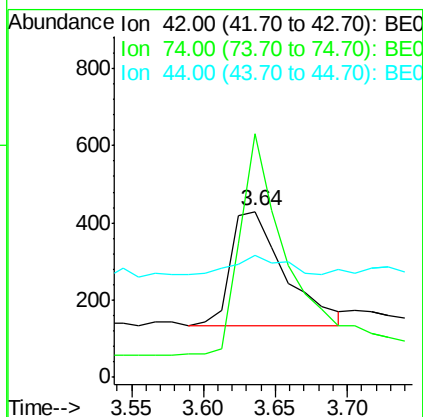
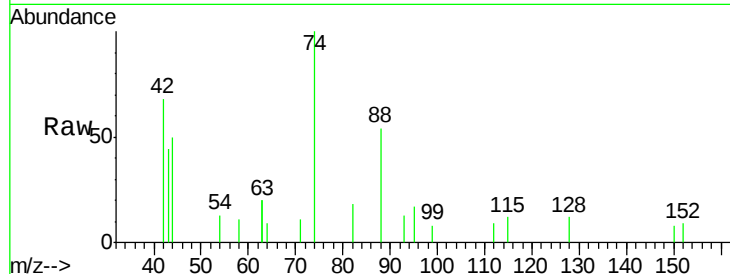


#3

n-Nitrosodimethylamine
 Concen: 0.434 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.01 min
 Lab File: BE099530.D
 Acq: 3 May 2019 15:10

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

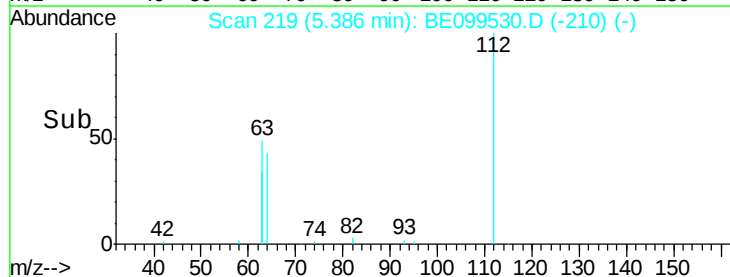
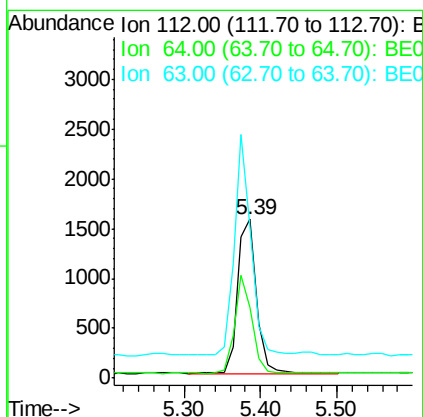
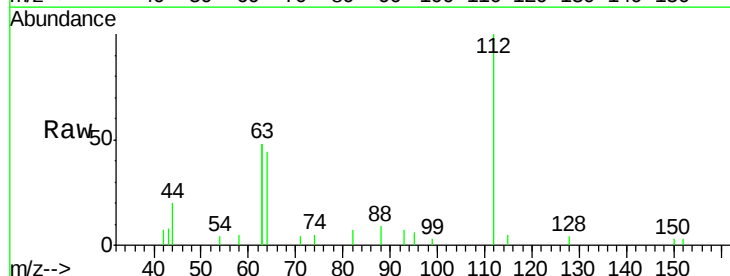
Tot Ion: 42 Resp: 774
 Ion Ratio Lower Upper
 42 100
 74 165.8 141.6 212.4
 44 13.8 0.0 0.0#

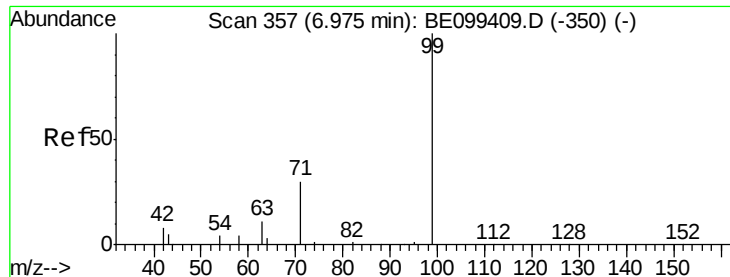


#4

2-Fluorophenol
 Concen: 0.450 ng
 RT: 5.39 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: BE099530.D
 Acq: 3 May 2019 15:10

Tgt Ion: 112 Resp: 2674
 Ion Ratio Lower Upper
 112 100
 64 58.6 47.4 71.0
 63 128.2 104.3 156.5





#5

Phenol-d6

Concen: 0.467 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

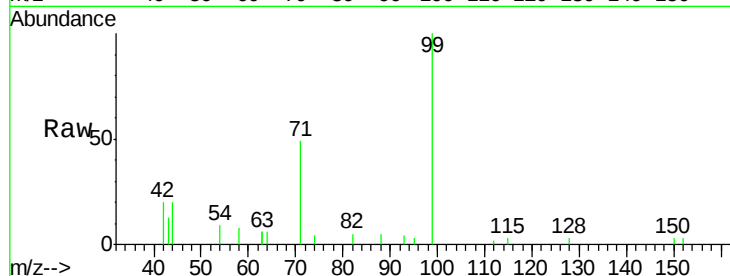
Tot Ion: 99 Resp: 3695

Ion Ratio Lower Upper

99 100

42 16.7 14.9 22.3

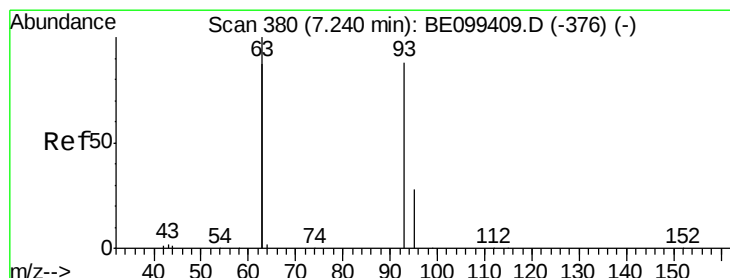
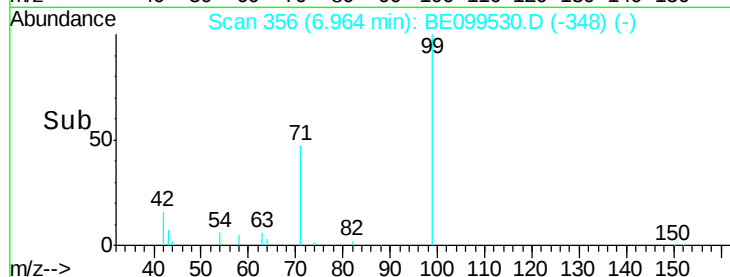
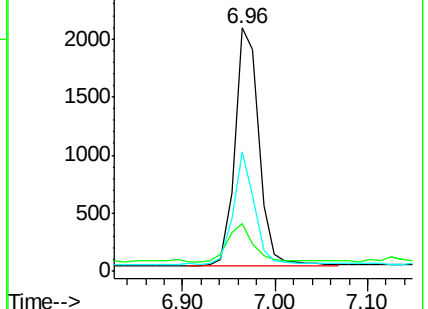
71 42.1 33.0 49.6



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: 0.406 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

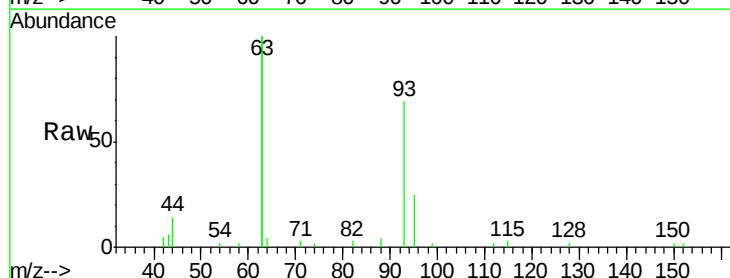
Tgt Ion: 93 Resp: 2771

Ion Ratio Lower Upper

93 100

63 268.9 215.6 323.4

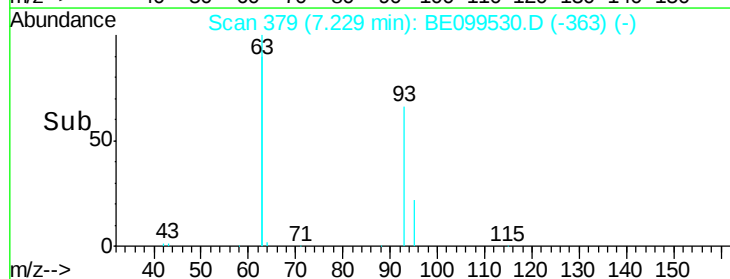
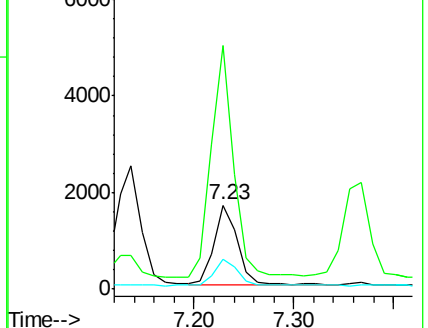
95 34.6 26.2 39.2

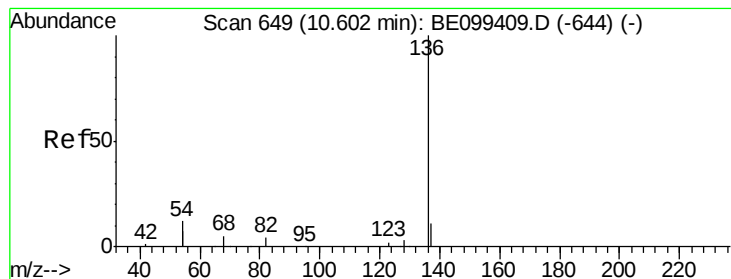


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: 10.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 8109

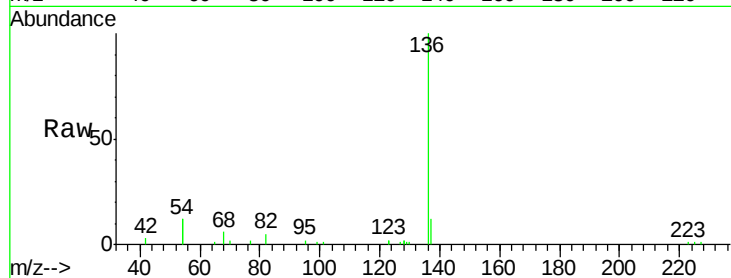
Ion Ratio Lower Upper

136 100

137 11.9 9.8 14.8

54 23.5 18.5 27.7

68 5.5 4.7 7.1

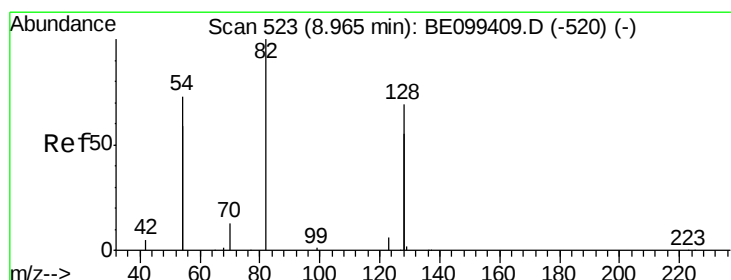
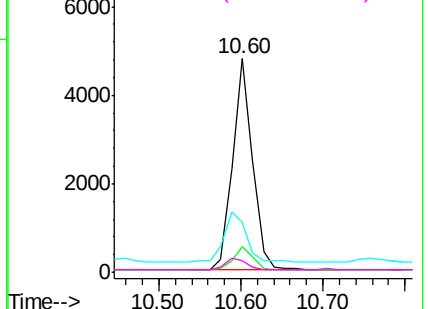
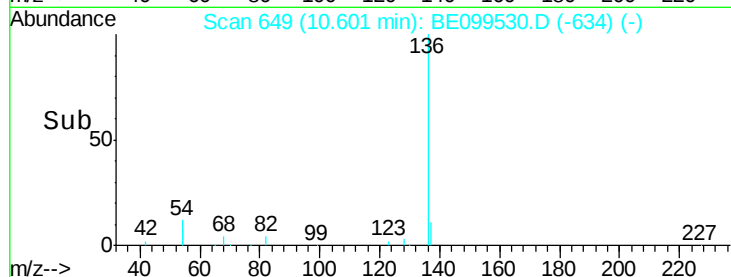


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.433 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

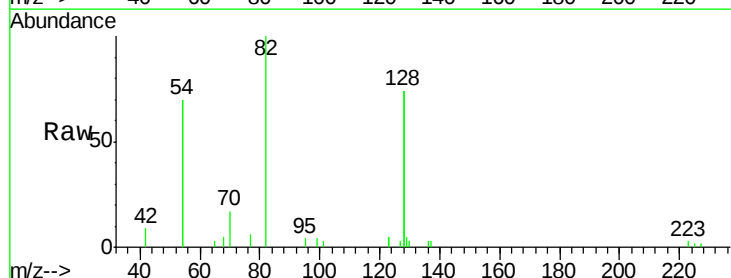
Tgt Ion: 82 Resp: 3290

Ion Ratio Lower Upper

82 100

128 148.5 107.0 160.4

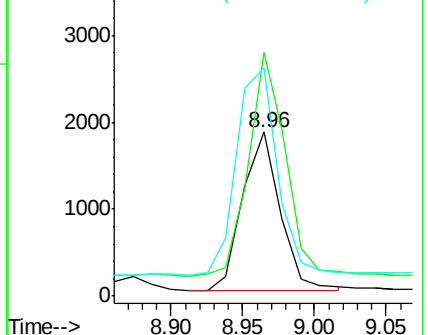
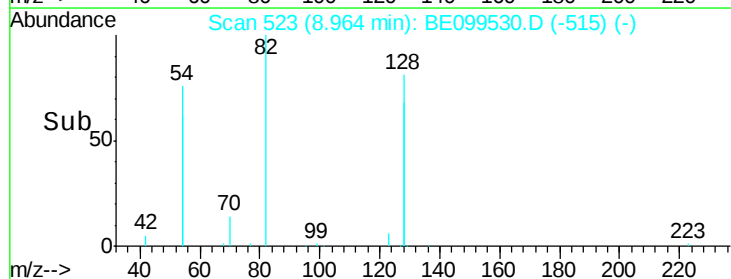
54 139.6 113.1 169.7

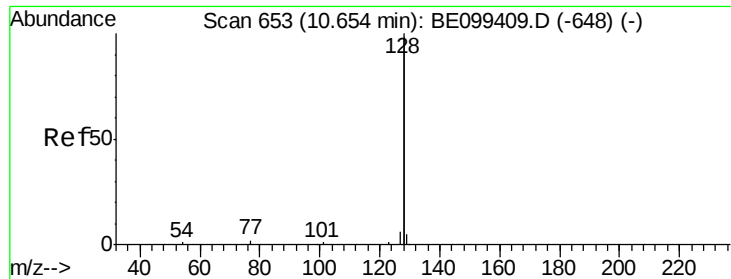


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.426 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

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ClientSampleId :

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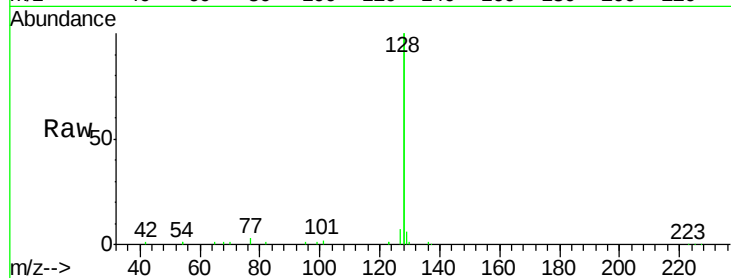
Tot Ion:128 Resp: 37622

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

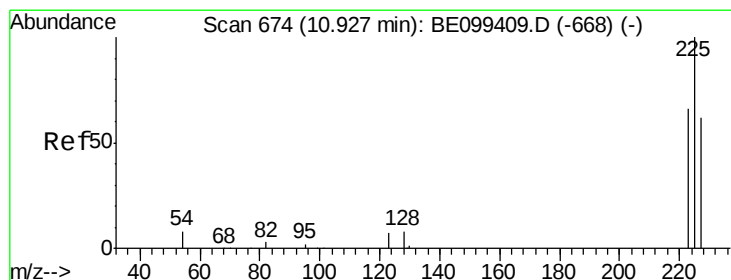
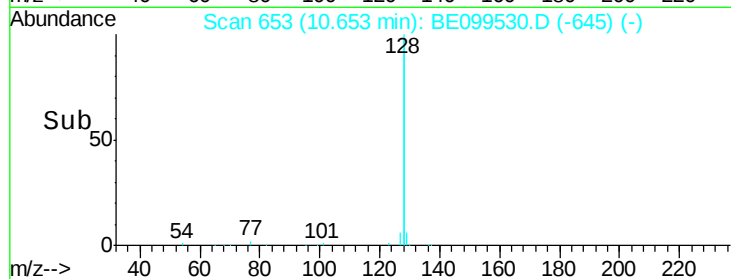
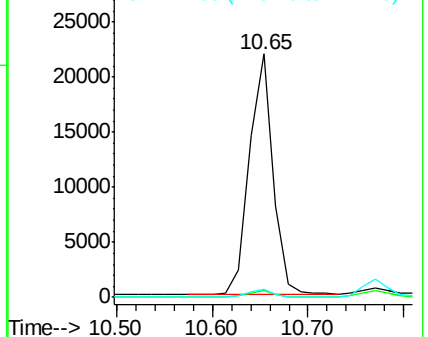
127 3.3 2.8 4.2



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: 0.422 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

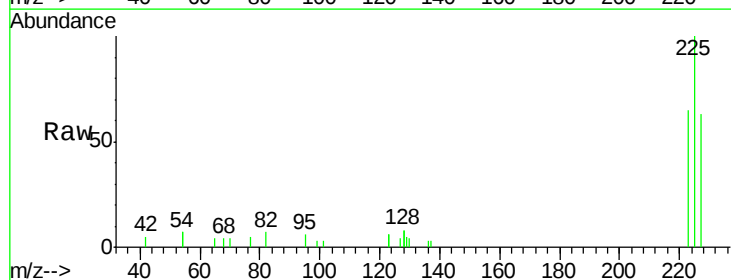
Tgt Ion:225 Resp: 2594

Ion Ratio Lower Upper

225 100

223 63.7 51.0 76.6

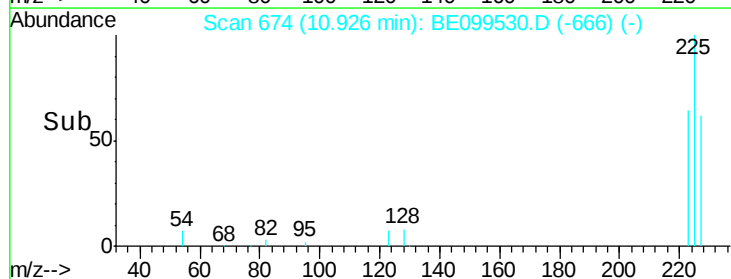
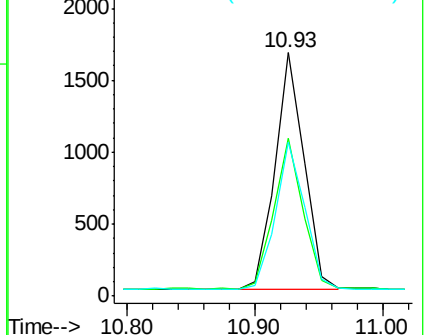
227 62.6 50.9 76.3

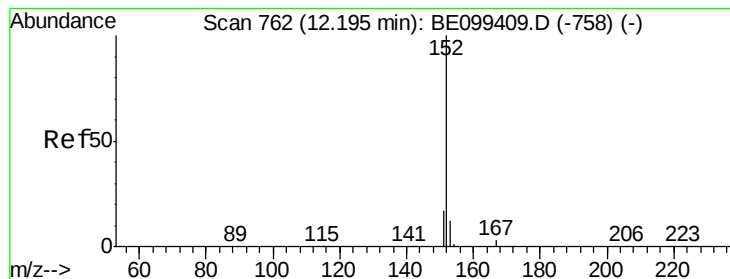


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

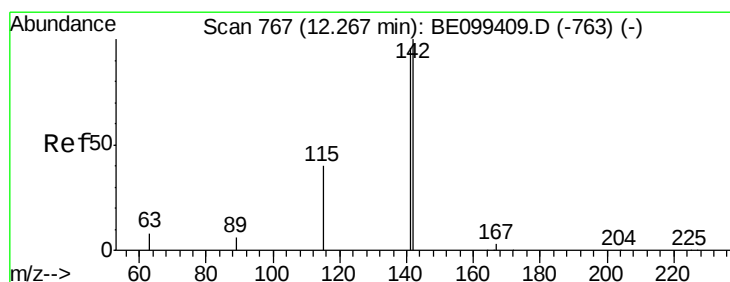
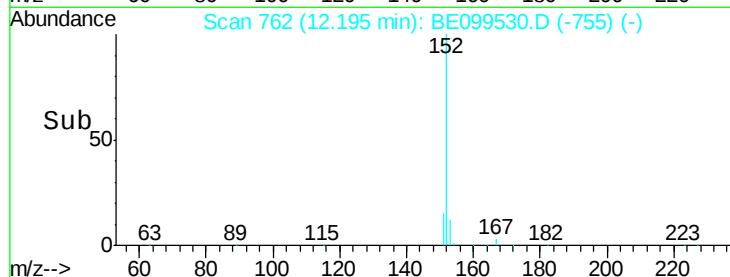
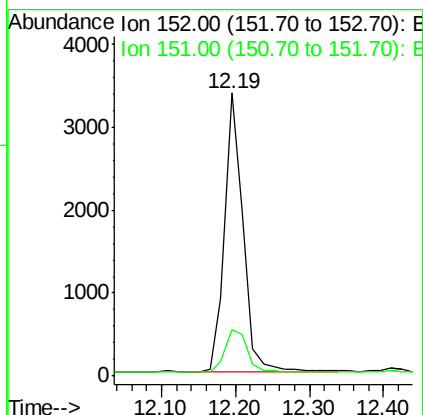
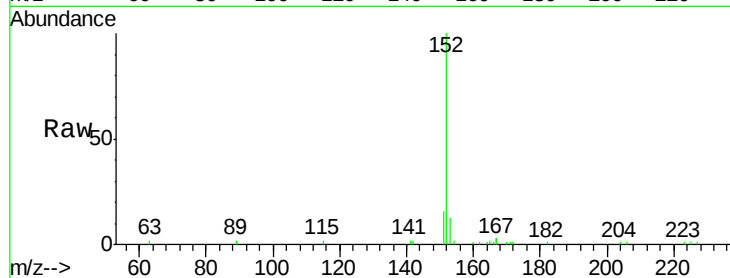




#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

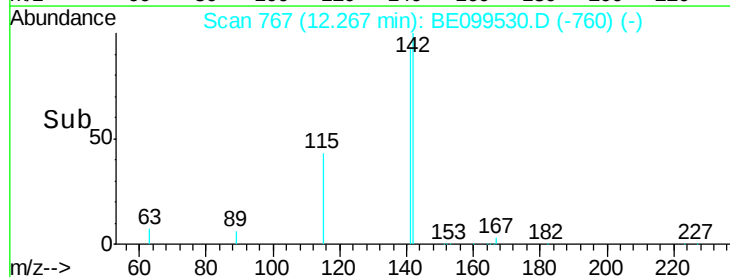
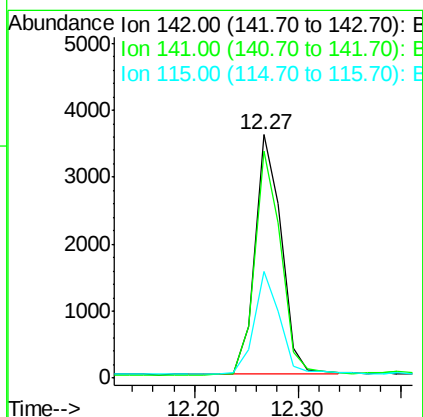
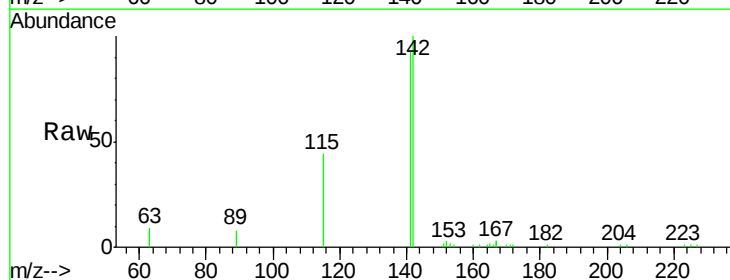
Instrument :
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SSTDCCC0.4

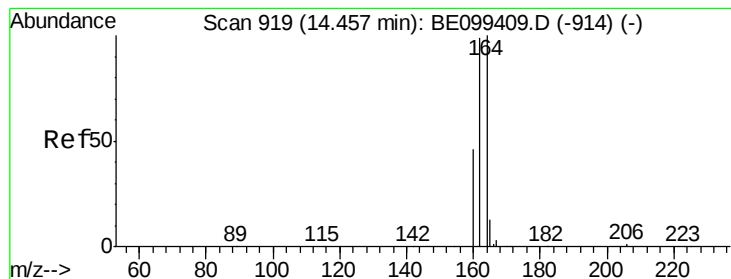
Tot Ion:152 Resp: 5838
Ion Ratio Lower Upper
152 100
151 18.9 15.5 23.3



#12
2-Methylnaphthalene
Concen: 0.416 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

Tgt Ion:142 Resp: 6397
Ion Ratio Lower Upper
142 100
141 93.0 77.0 115.4
115 44.0 33.4 50.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

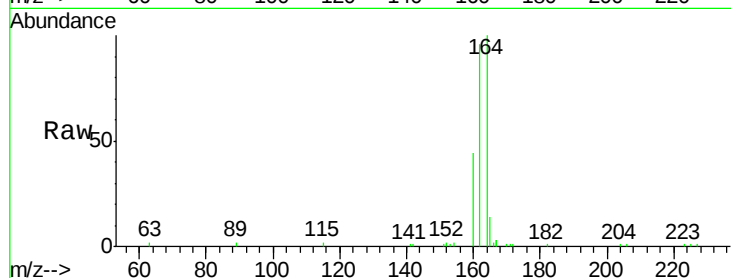
Tot Ion:164 Resp: 6417

Ion Ratio Lower Upper

164 100

162 95.7 79.0 118.4

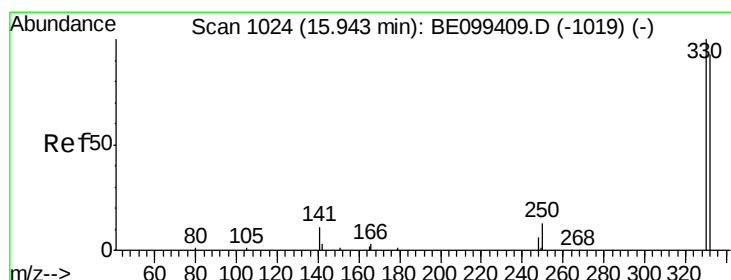
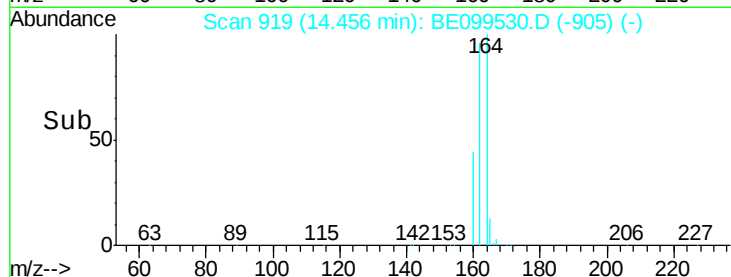
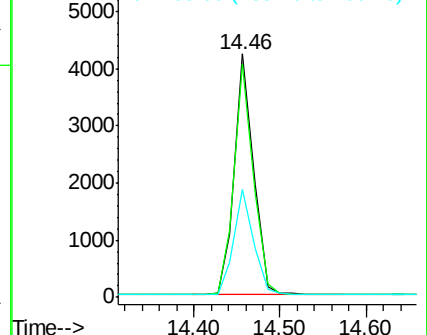
160 44.2 37.0 55.4



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: 0.492 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

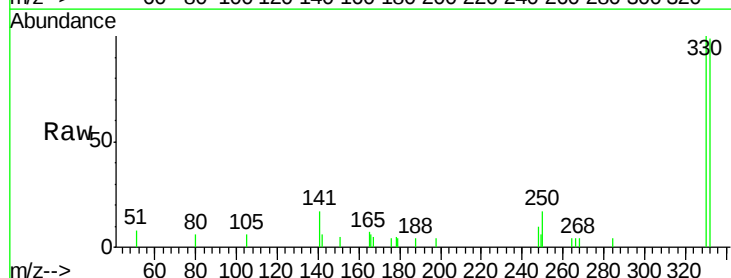
Tgt Ion:330 Resp: 1988

Ion Ratio Lower Upper

330 100

332 96.2 71.5 107.3

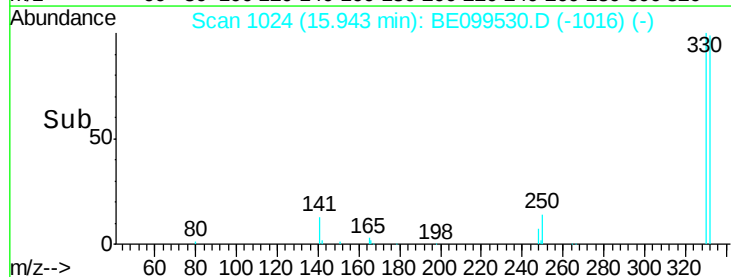
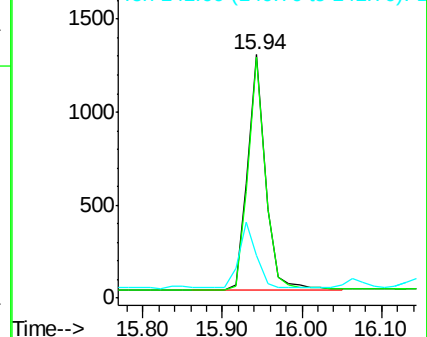
141 27.2 24.0 36.0

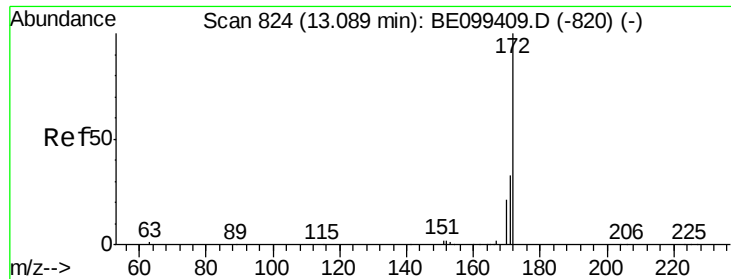


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

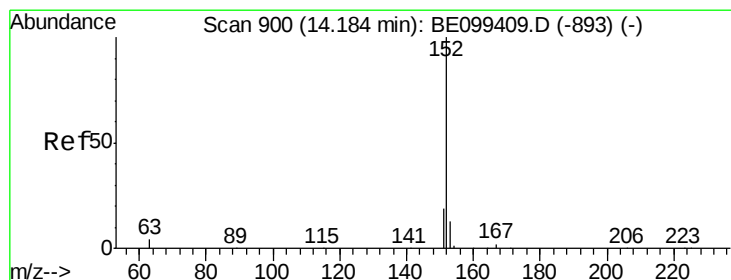
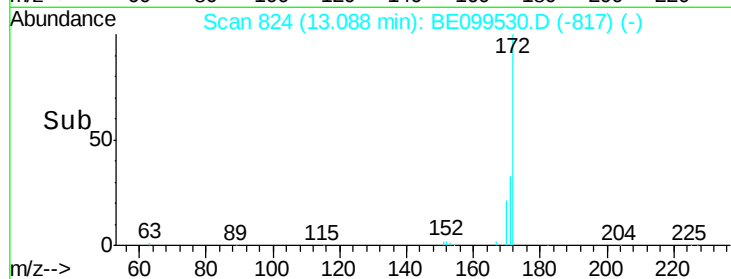
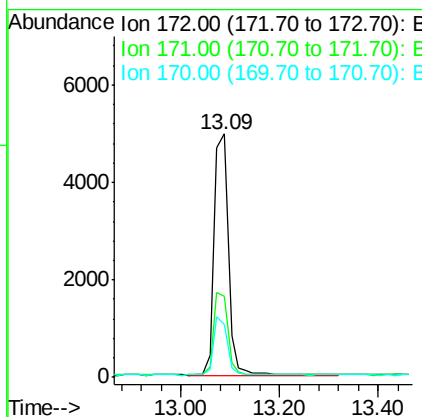
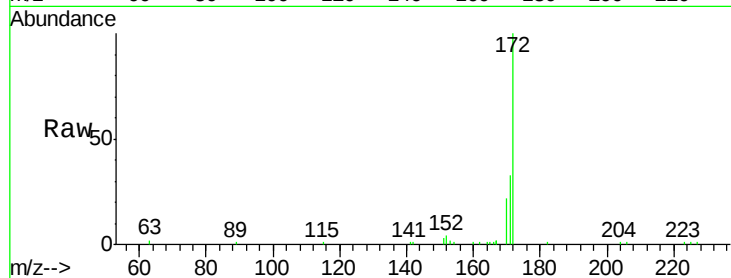




#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

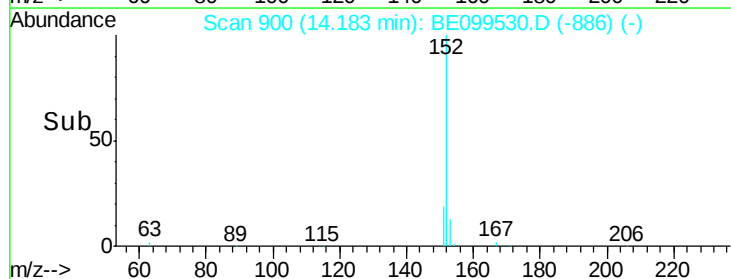
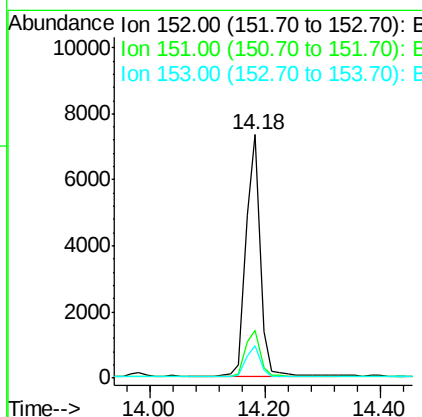
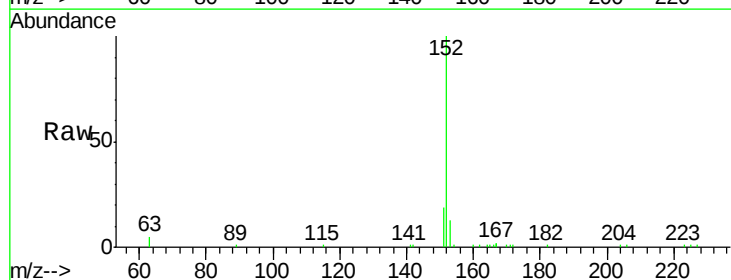
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

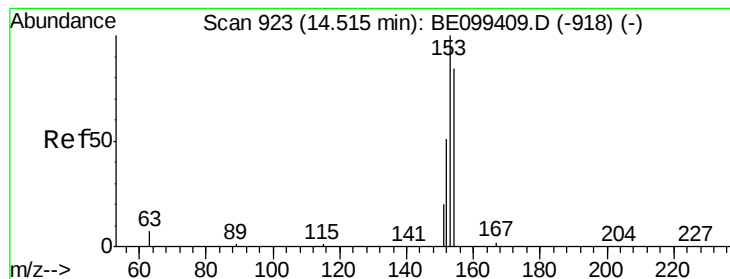
Tot Ion:172 Resp: 9843
Ion Ratio Lower Upper
172 100
171 33.4 26.6 39.8
170 21.8 17.0 25.6



#16
Acenaphthylene
Concen: 0.400 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

Tgt Ion:152 Resp: 12545
Ion Ratio Lower Upper
152 100
151 19.6 15.4 23.2
153 12.9 9.8 14.6





#17

Acenaphthene

Concen: 0.399 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

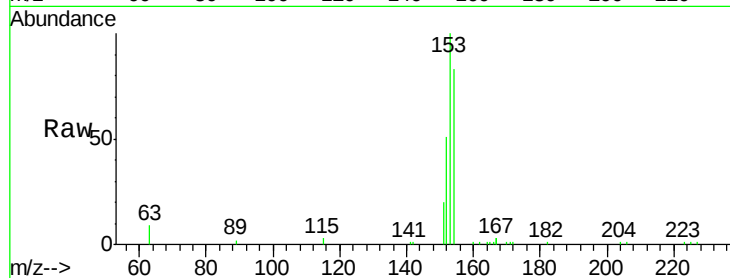
Tot Ion:154 Resp: 7148

Ion Ratio Lower Upper

154 100

153 115.6 92.6 138.8

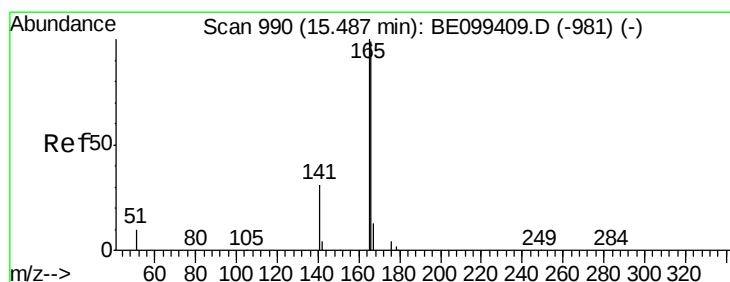
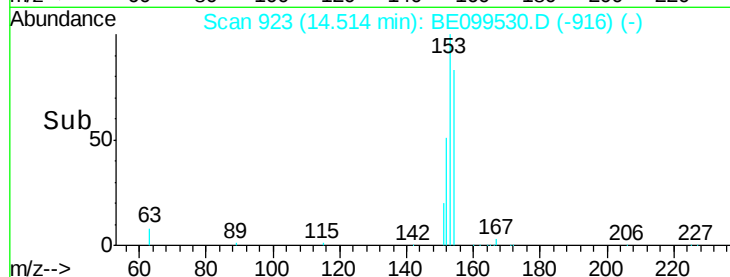
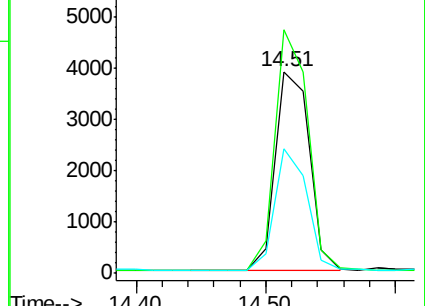
152 57.8 45.8 68.8



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: 0.411 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

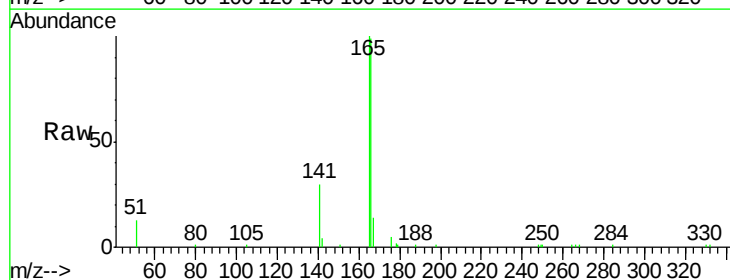
Tgt Ion:166 Resp: 10881

Ion Ratio Lower Upper

166 100

165 100.1 80.3 120.5

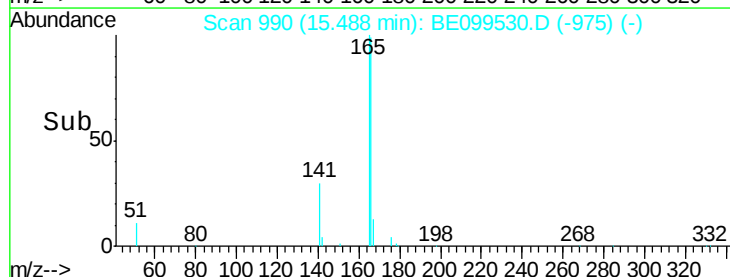
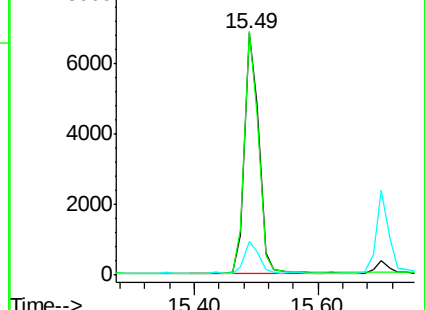
167 13.9 10.7 16.1

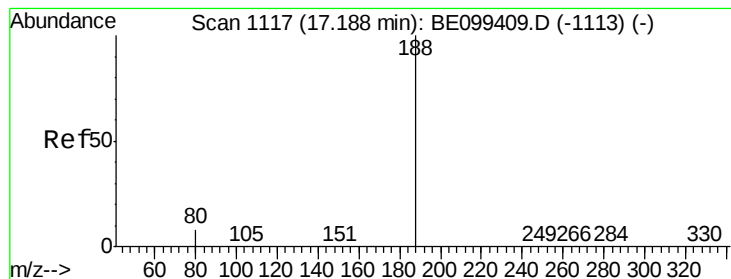


Abundance Ion 166.00 (165.70 to 166.70): E

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. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

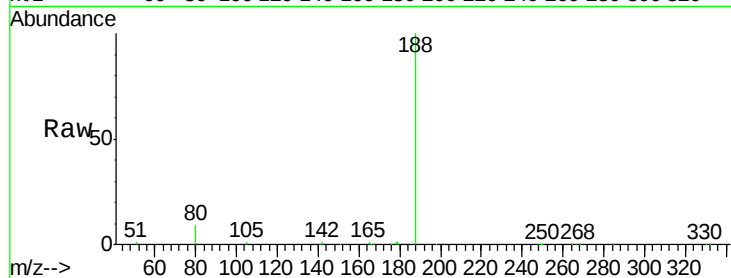
Tot Ion:188 Resp: 20002

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

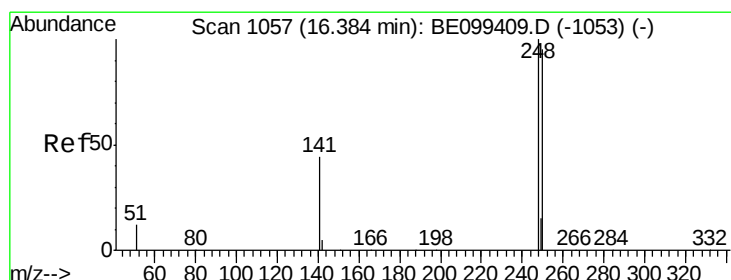
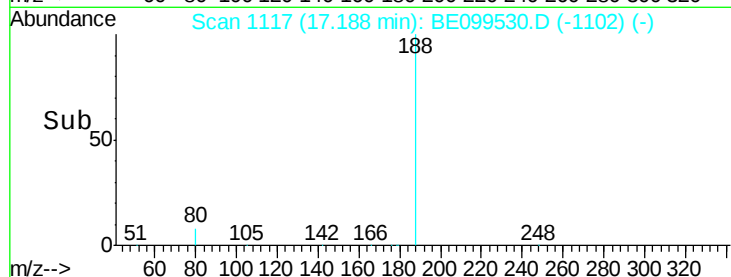
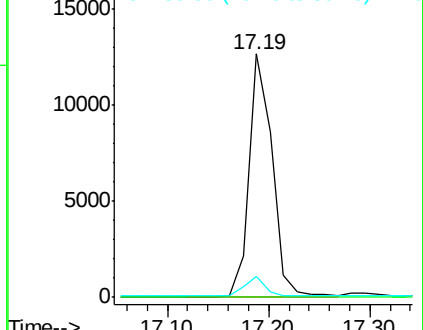
80 8.8 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

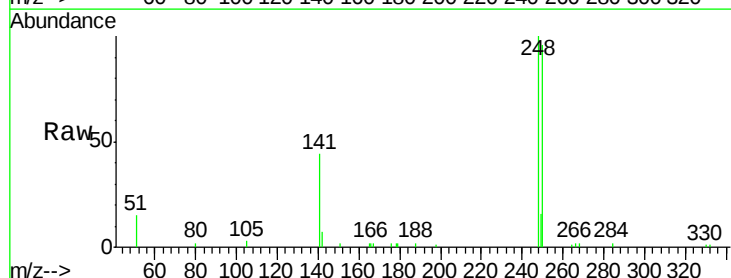
Tgt Ion:248 Resp: 4584

Ion Ratio Lower Upper

248 100

250 95.6 75.8 113.8

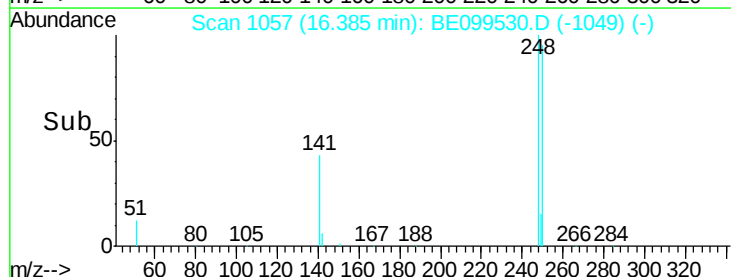
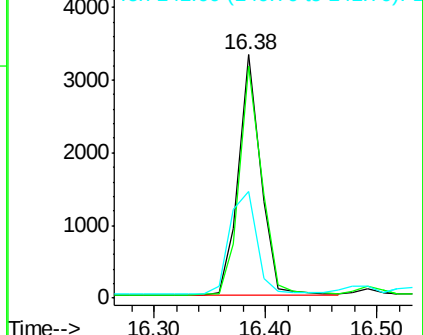
141 43.9 35.7 53.5

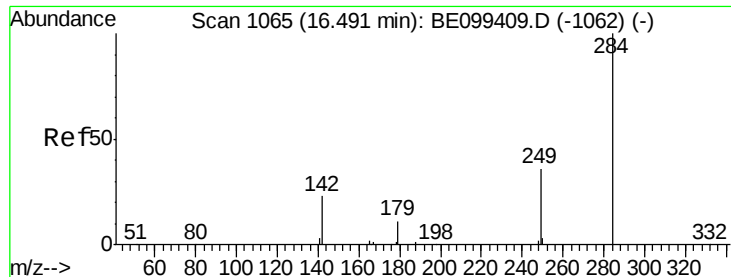


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

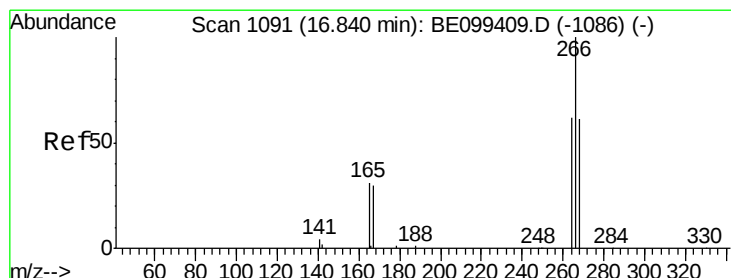
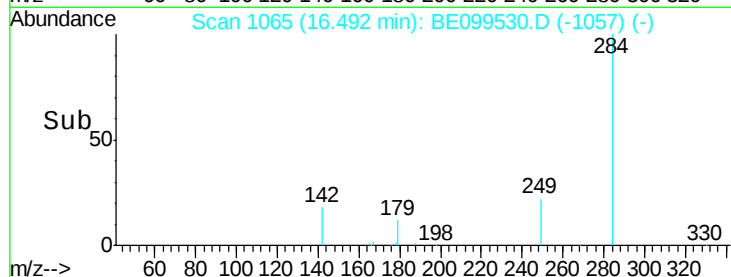
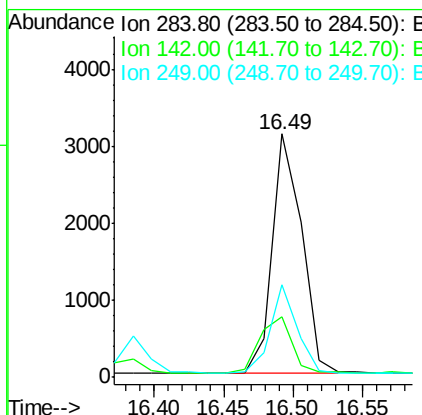
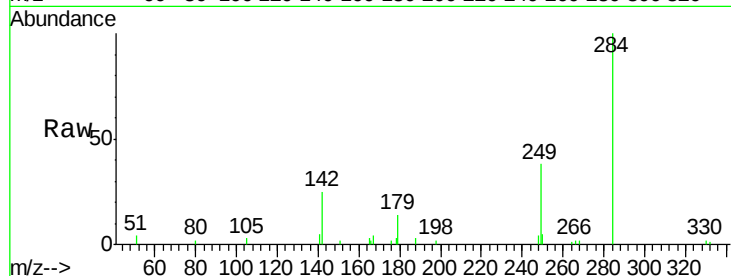




#21
Hexachlorobenzene
Concen: 0.416 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

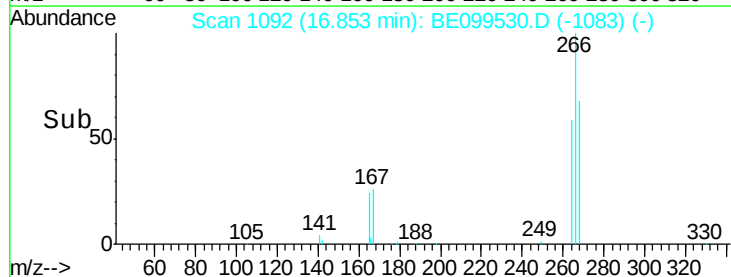
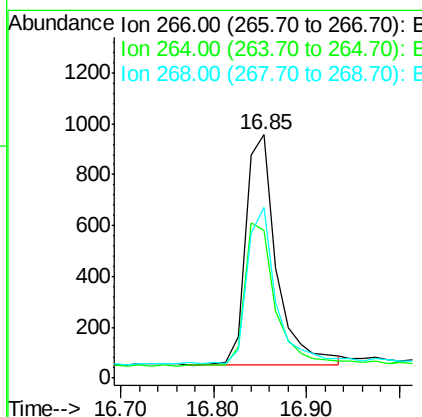
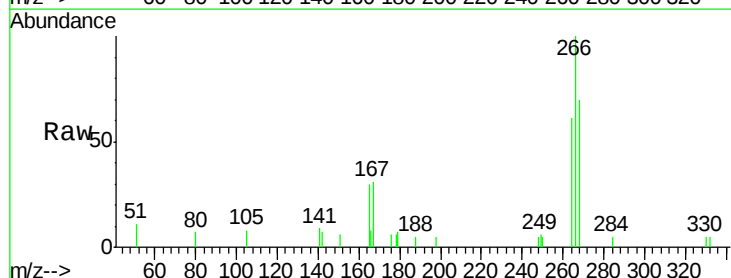
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

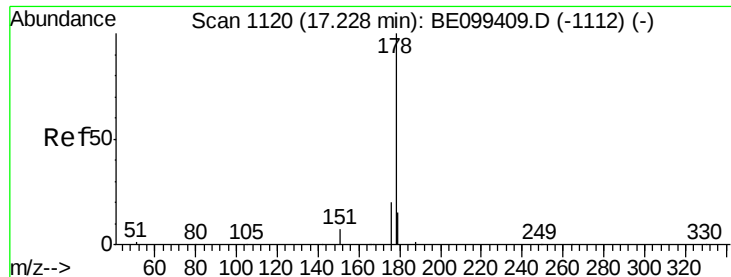
Tot Ion:284 Resp: 4612
Ion Ratio Lower Upper
284 100
142 25.9 21.0 31.6
249 33.3 26.7 40.1



#22
Pentachlorophenol
Concen: 0.529 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

Tgt Ion:266 Resp: 2091
Ion Ratio Lower Upper
266 100
264 60.6 50.8 76.2
268 69.9 50.5 75.7





#23

Phenanthrene

Concen: 0.407 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

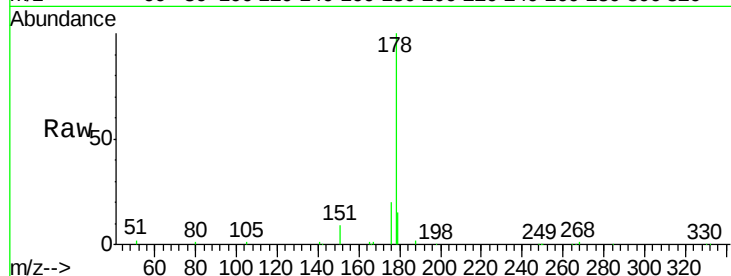
Tot Ion:178 Resp: 21031

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

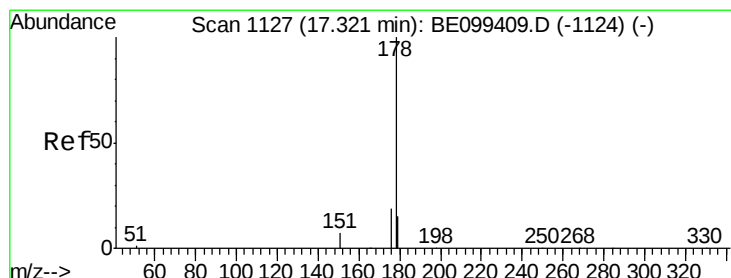
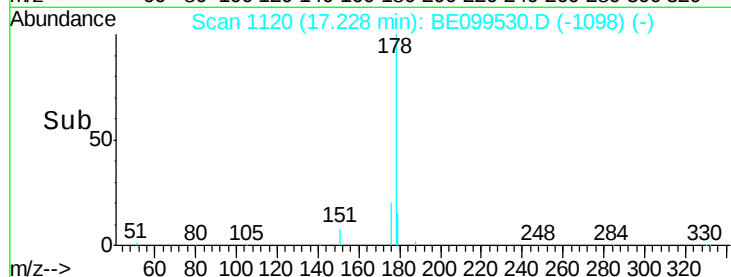
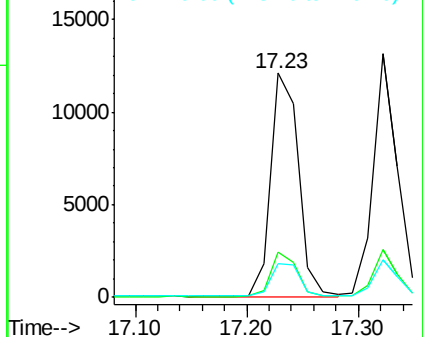
179 15.5 12.0 18.0



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: 0.400 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

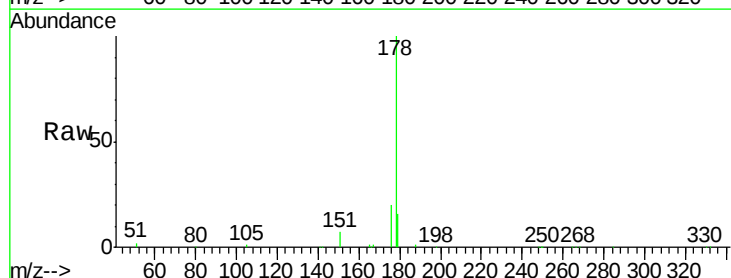
Tgt Ion:178 Resp: 19685

Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

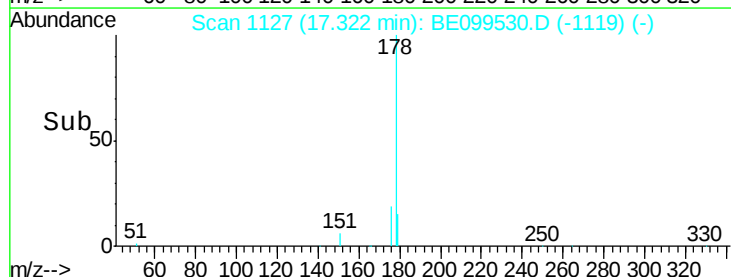
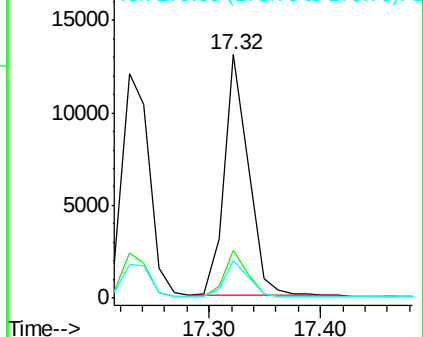
179 15.2 11.9 17.9

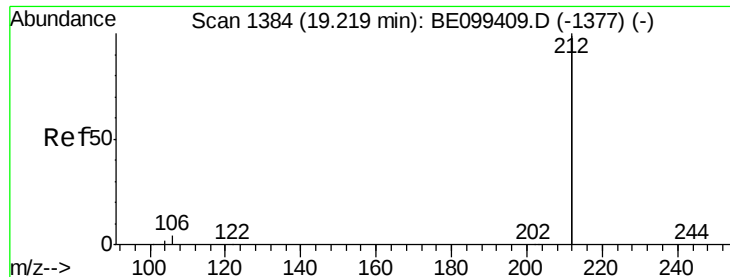


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

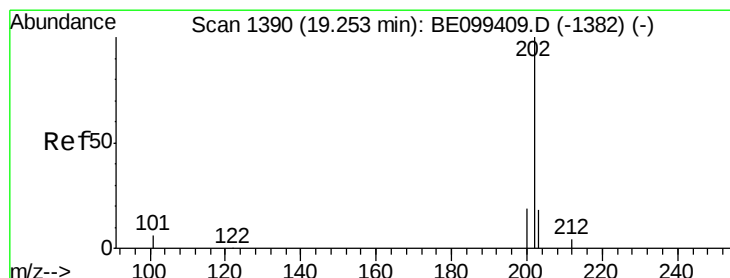
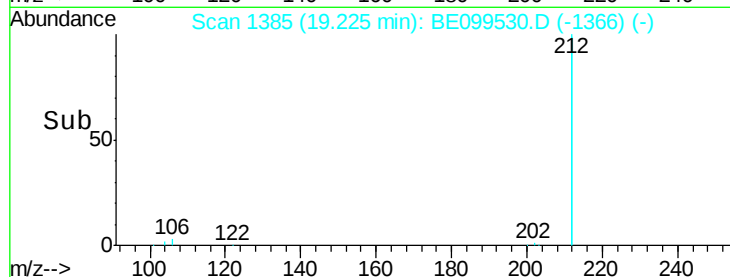
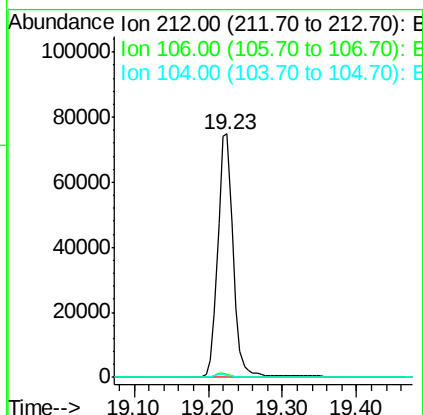
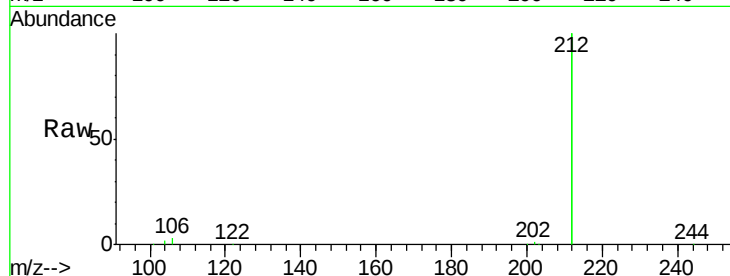




#25
 Fluoranthene-d10
 Concen: 0.395 ng
 RT: 19.23 min Scan# 1385
 Delta R.T. 0.01 min
 Lab File: BE099530.D
 Acq: 3 May 2019 15:10

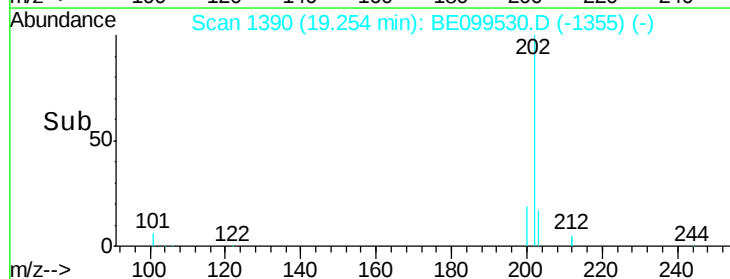
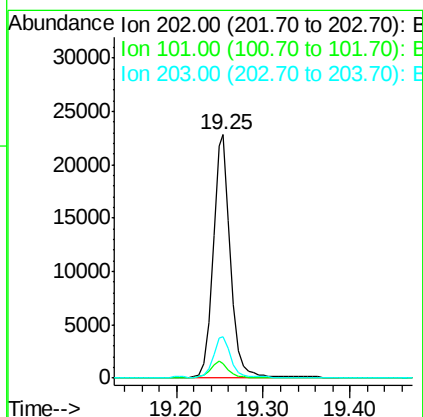
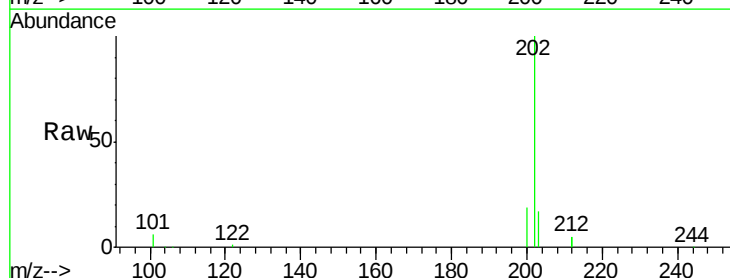
Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

Tot Ion:212 Resp: 106615
 Ion Ratio Lower Upper
 212 100
 106 1.8 1.5 2.3
 104 1.0 0.9 1.3



#26
 Fluoranthene
 Concen: 0.407 ng
 RT: 19.25 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: BE099530.D
 Acq: 3 May 2019 15:10

Tgt Ion:202 Resp: 31496
 Ion Ratio Lower Upper
 202 100
 101 6.6 5.4 8.0
 203 17.0 13.9 20.9

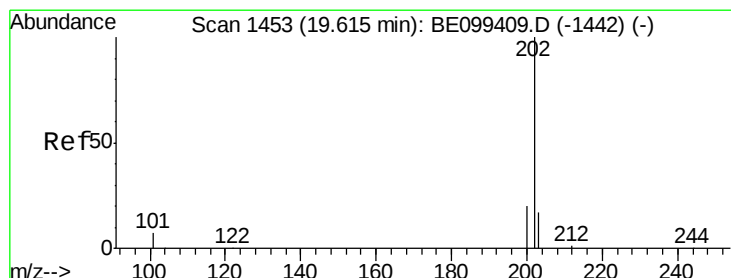
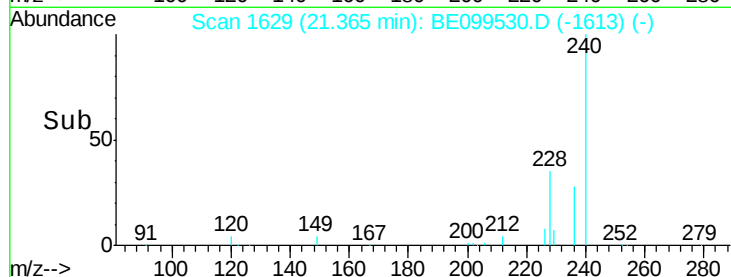
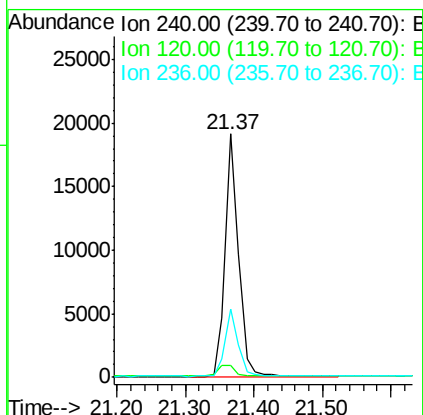
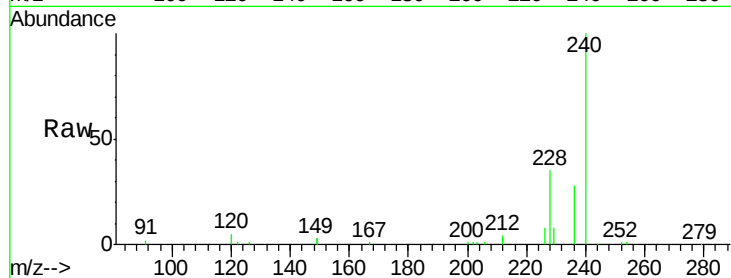




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

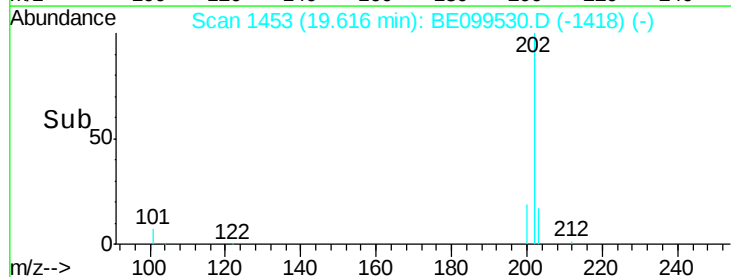
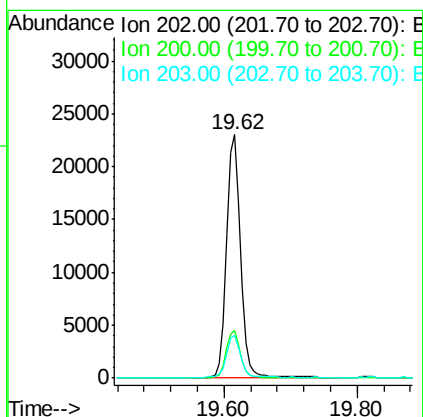
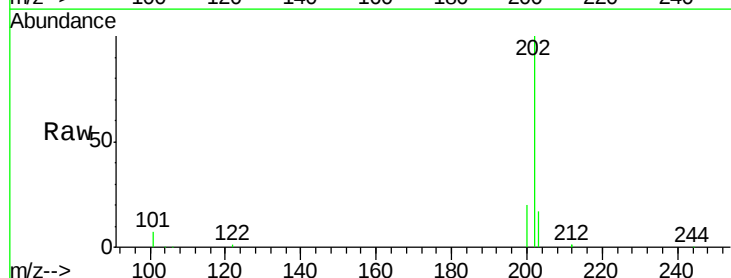
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

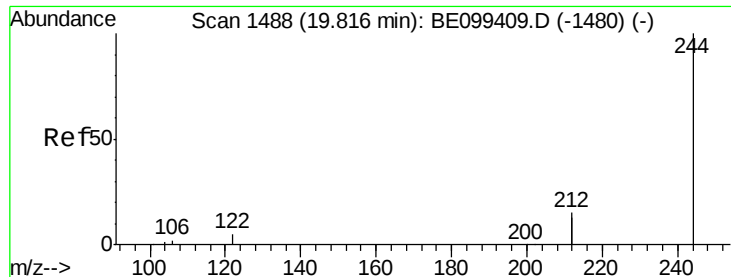
Tot Ion:240 Resp: 26267
Ion Ratio Lower Upper
240 100
120 4.9 4.0 6.0
236 28.1 22.0 33.0



#28
Pyrene
Concen: 0.485 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE099530.D
Acq: 3 May 2019 15:10

Tgt Ion:202 Resp: 33239
Ion Ratio Lower Upper
202 100
200 19.4 15.7 23.5
203 17.2 13.9 20.9





#29

Terphenyl-d14

Concen: 0.482 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

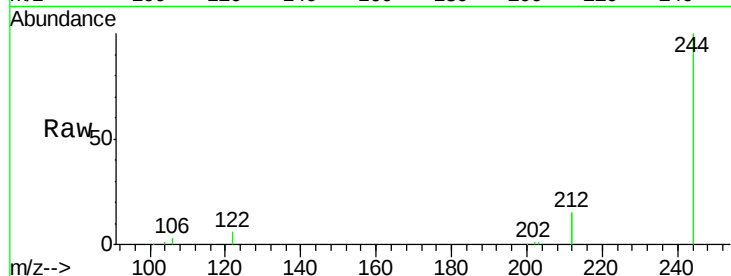
Tot Ion:244 Resp: 23191

Ion Ratio Lower Upper

244 100

212 30.1 23.2 34.8

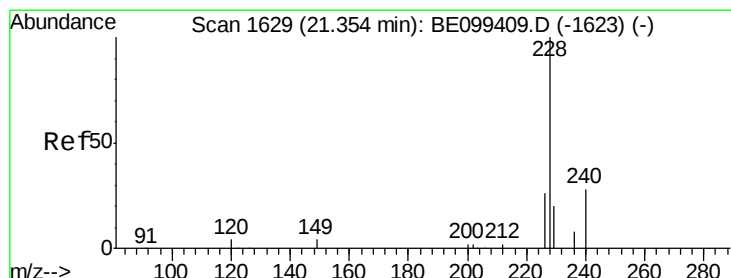
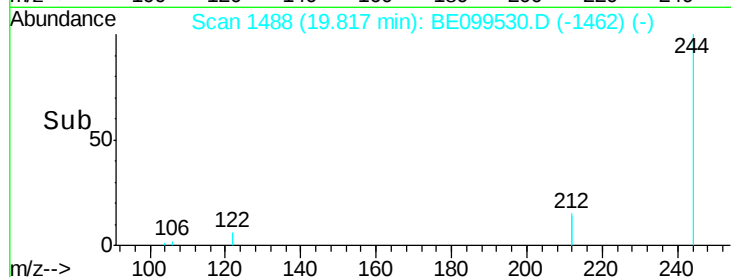
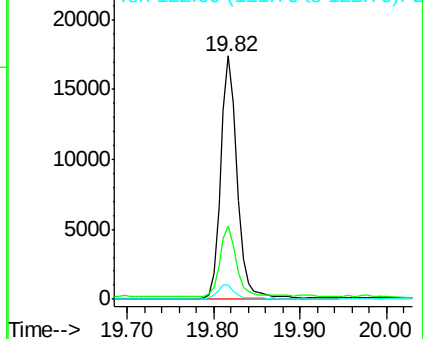
122 6.1 4.2 6.4



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: 0.455 ng

RT: 21.35 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

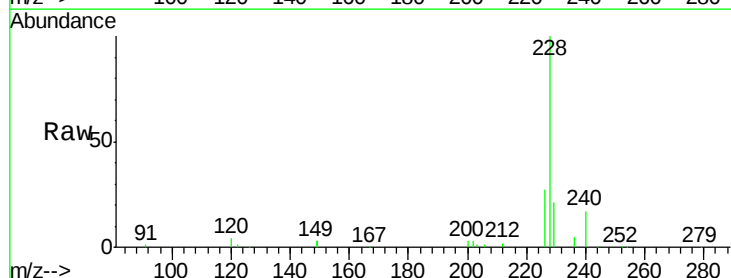
Tgt Ion:228 Resp: 38099

Ion Ratio Lower Upper

228 100

226 26.6 21.0 31.6

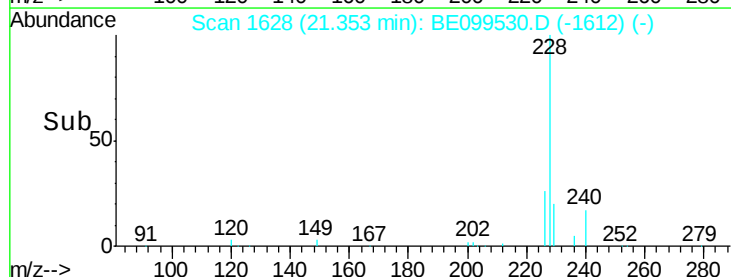
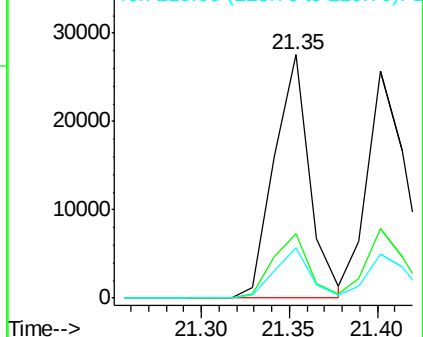
229 20.5 16.6 25.0



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: 0.458 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

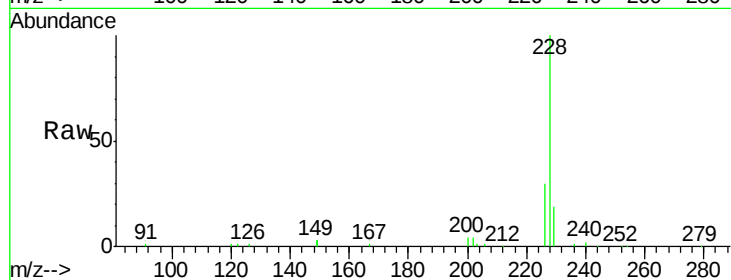
Tot Ion:228 Resp: 37524

Ion Ratio Lower Upper

228 100

226 30.4 24.0 36.0

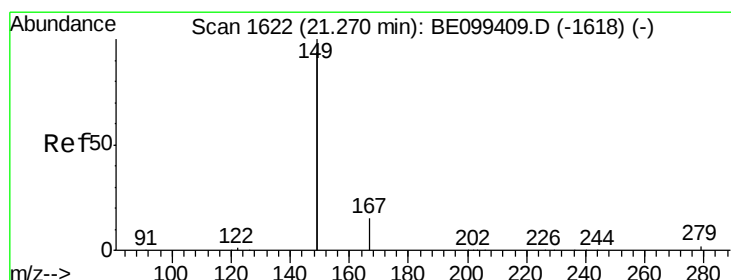
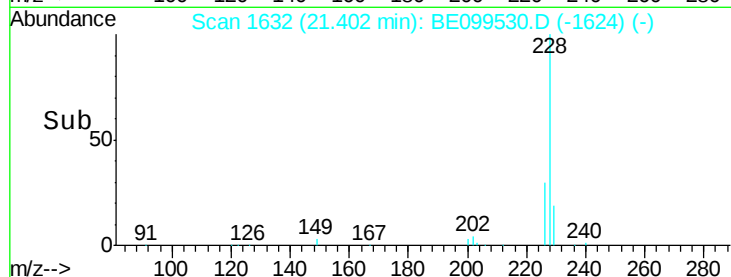
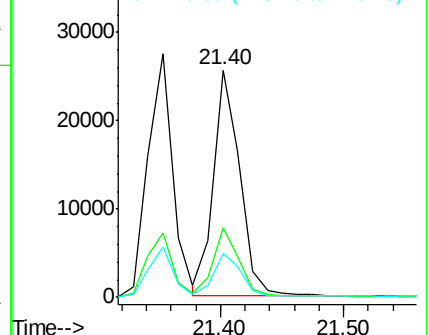
229 19.3 15.8 23.8



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: 0.425 ng

RT: 21.27 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

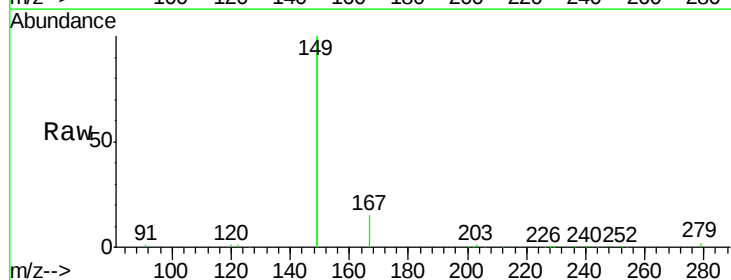
Tgt Ion:149 Resp: 58597

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

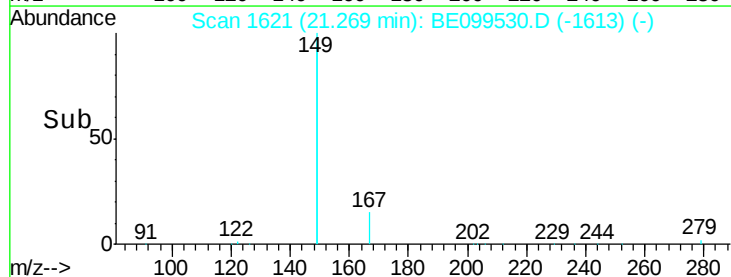
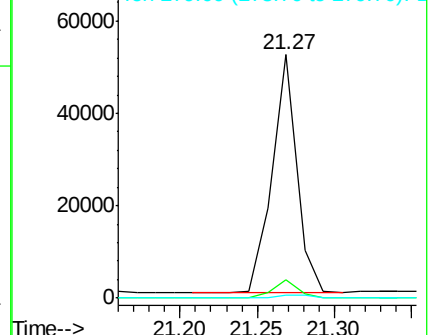
279 1.4 1.0 1.6



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: 0.460 ng

RT: 26.52 min Scan# 2938

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

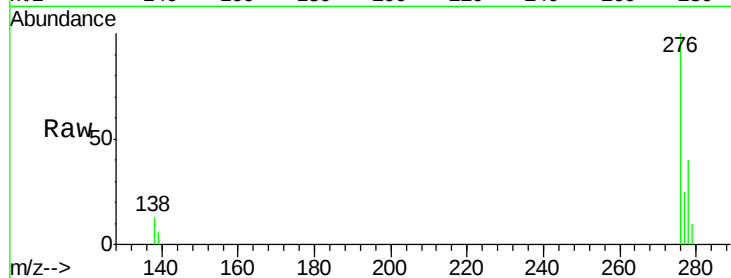
Tot Ion:276 Resp: 44483

Ion Ratio Lower Upper

276 100

138 12.6 10.2 15.2

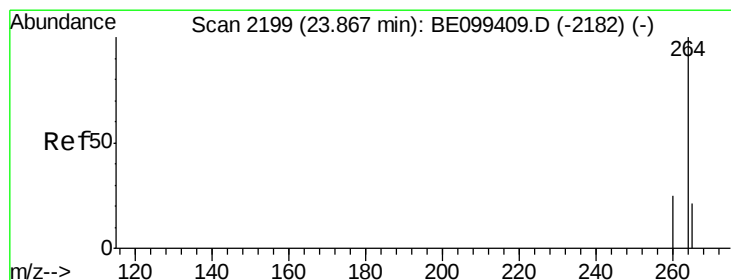
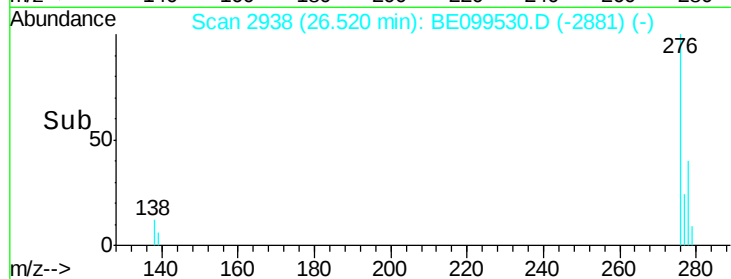
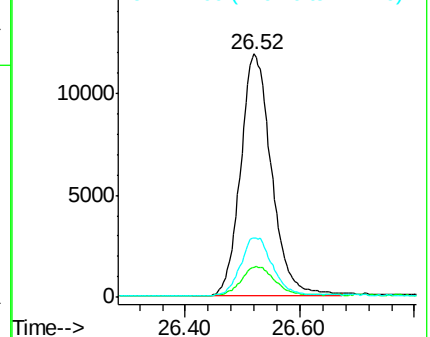
277 24.7 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.87 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

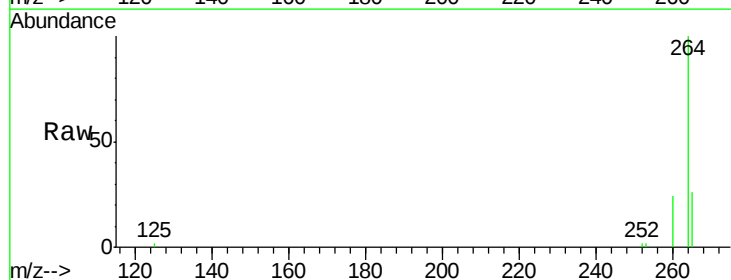
Tgt Ion:264 Resp: 30498

Ion Ratio Lower Upper

264 100

260 24.2 20.2 30.2

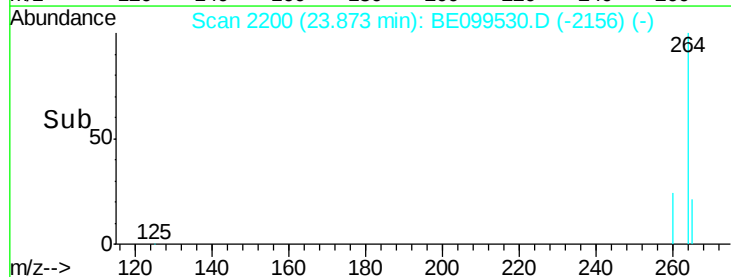
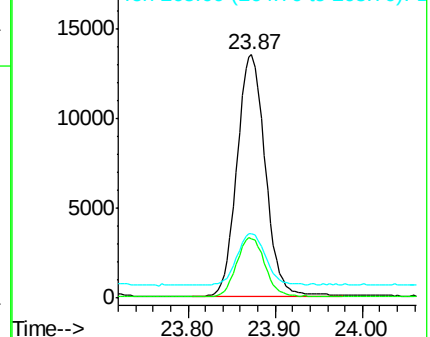
265 26.5 21.3 31.9



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: 0.411 ng

RT: 23.15 min Scan# 1997

Delta R.T. 0.05 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

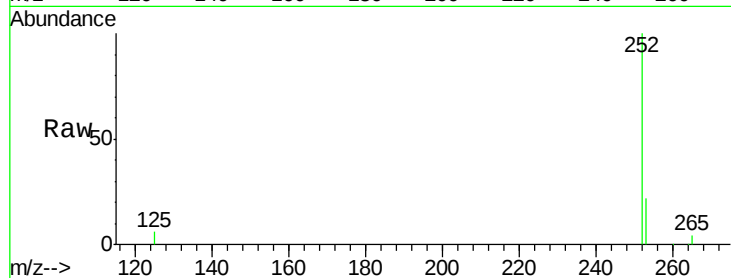
Tot Ion:252 Resp: 36166

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

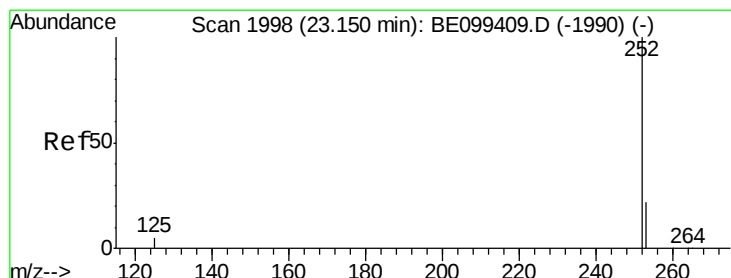
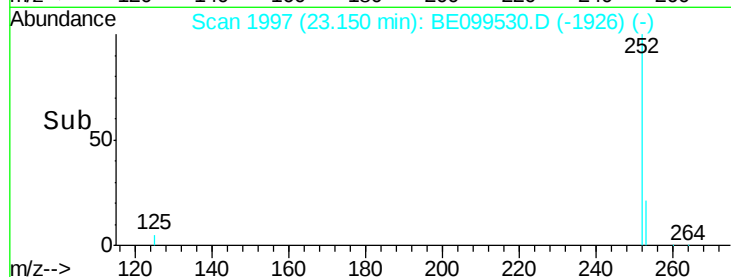
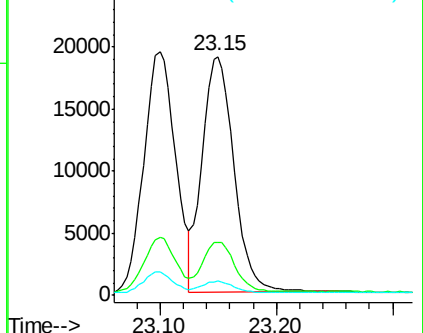
125 6.0 5.6 8.4



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



#36

Benzo(k)fluoranthene

Concen: 0.426 ng

RT: 23.15 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

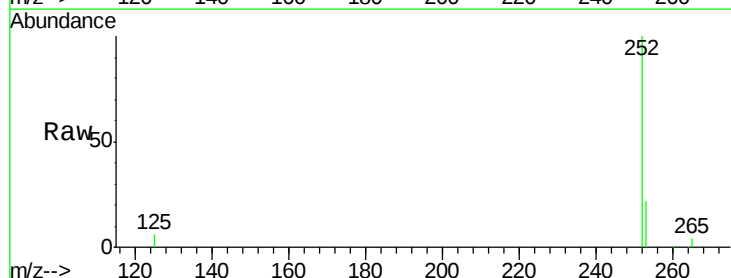
Tgt Ion:252 Resp: 36166

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

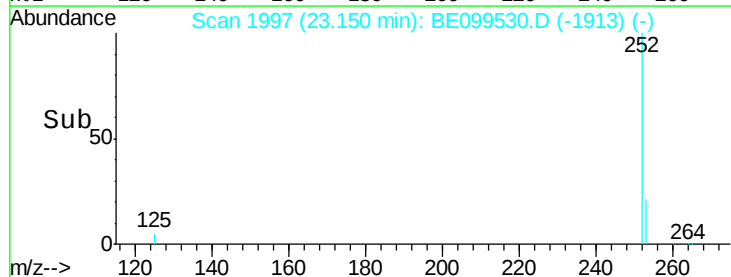
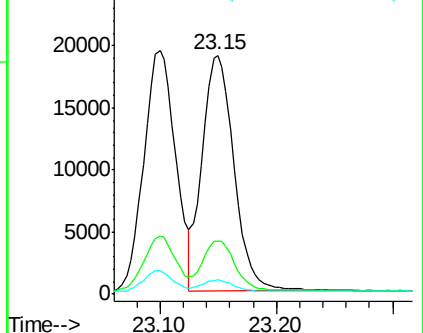
125 6.0 5.0 7.4



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





#37

Benzo(a)pyrene

Concen: 0.429 ng

RT: 23.76 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

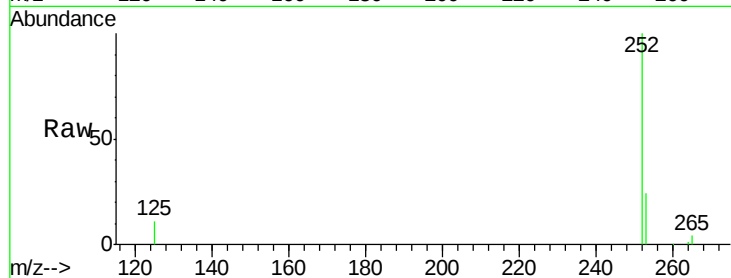
Tot Ion:252 Resp: 35663

Ion Ratio Lower Upper

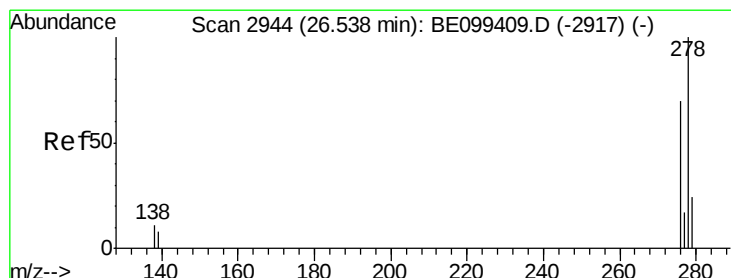
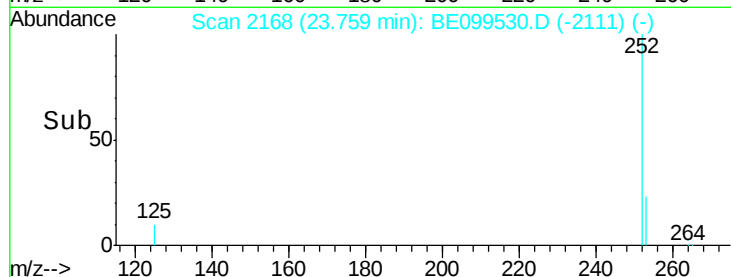
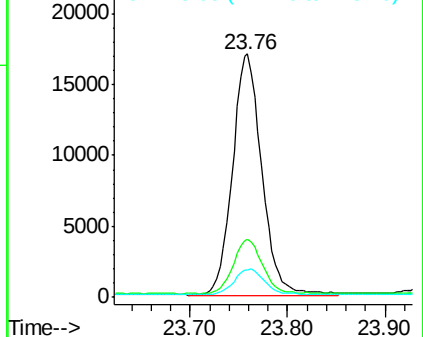
252 100

253 24.0 18.9 28.3

125 11.2 6.7 10.1#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.423 ng

RT: 26.55 min Scan# 2946

Delta R.T. 0.01 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

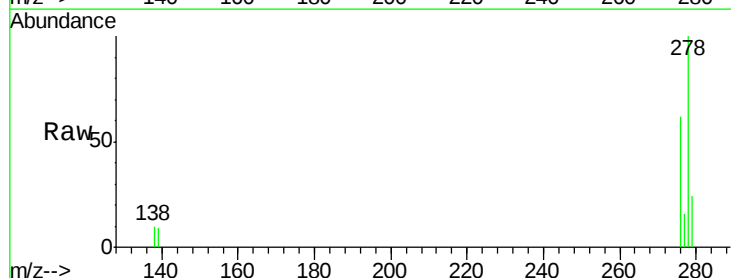
Tgt Ion:278 Resp: 35969

Ion Ratio Lower Upper

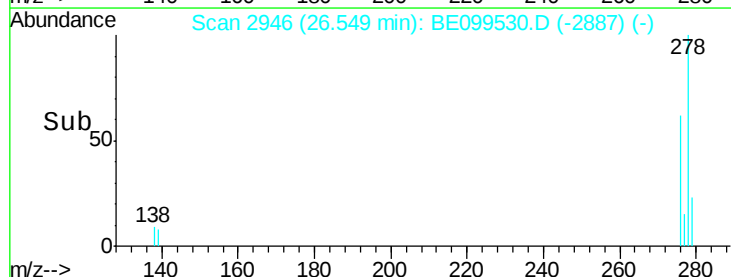
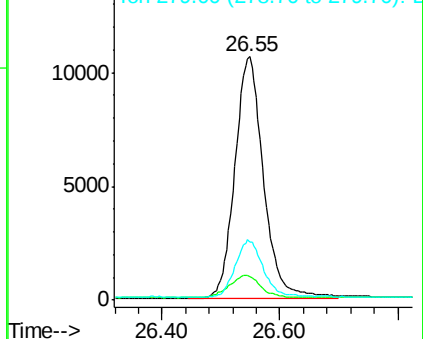
278 100

139 9.4 7.7 11.5

279 23.8 20.2 30.2



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: 0.426 ng

RT: 27.34 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BE099530.D

Acq: 3 May 2019 15:10

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

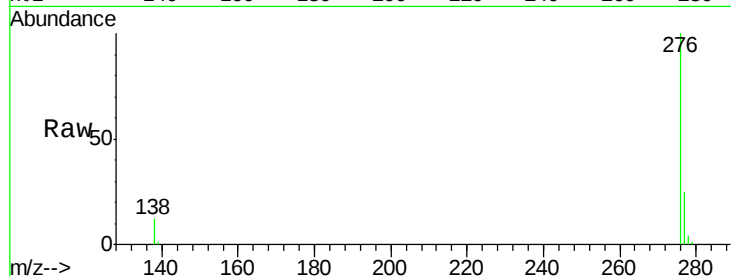
Tot Ion:276 Resp: 36260

Ion Ratio Lower Upper

276 100

277 24.8 19.5 29.3

138 11.6 9.6 14.4



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

