

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099509.D
 Acq On : 3 May 2019 00:42
 Operator : JU/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Quant Time: May 03 02:12:17 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	7.80	152	2719	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	10027	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	7604	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	24049	0.40	ng	0.00
27) Chrysene-d12	21.37	240	32455	0.40	ng	0.00
34) Perylene-d12	23.87	264	37979	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	3203	0.43	ng	0.00
5) Phenol-d6	6.96	99	4328	0.43	ng	-0.01
8) Nitrobenzene-d5	8.96	82	4002	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	7343	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	2333	0.49	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	11575	0.40	ng	0.00
25) Fluoranthene-d10	19.22	212	137298	0.42	ng	0.00
29) Terphenyl-d14	19.82	244	28275	0.48	ng	0.00

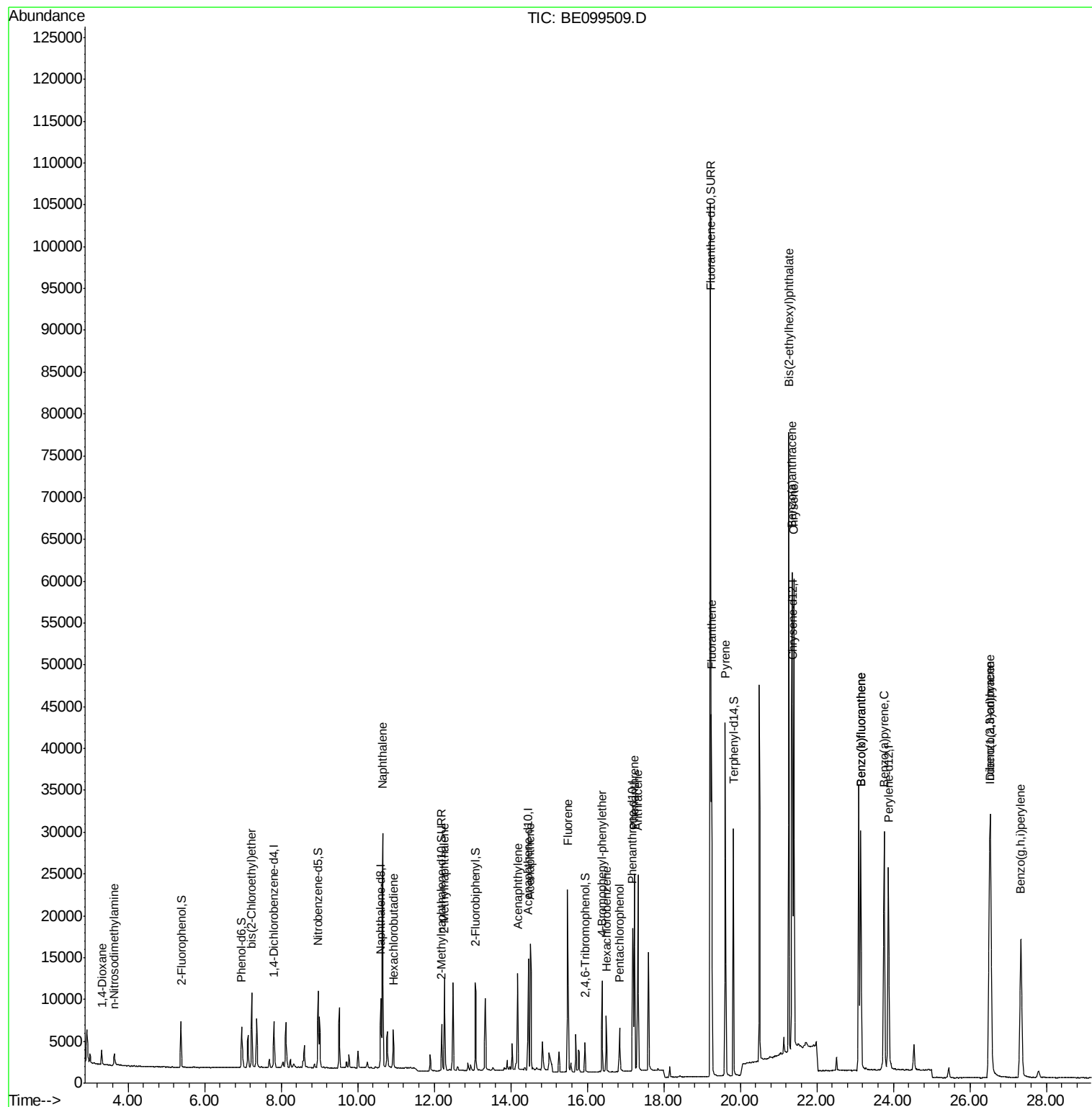
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	1399	0.374	ng	96
3) n-Nitrosodimethylamine	3.64	42	1053	0.467	ng	# 90
6) bis(2-Chloroethyl)ether	7.23	93	3400	0.394	ng	99
9) Naphthalene	10.65	128	44834	0.410	ng	100
10) Hexachlorobutadiene	10.93	225	3130	0.412	ng	98
12) 2-Methylnaphthalene	12.27	142	7738	0.407	ng	96
16) Acenaphthylene	14.18	152	14929	0.401	ng	98
17) Acenaphthene	14.51	154	8574	0.404	ng	99
18) Fluorene	15.49	166	12472	0.398	ng	98
20) 4-Bromophenyl-phenylether	16.39	248	5316	0.380	ng	95
21) Hexachlorobenzene	16.49	284	5325	0.399	ng	99
22) Pentachlorophenol	16.84	266	3033	0.594	ng	99
23) Phenanthrene	17.23	178	25253	0.407	ng	99
24) Anthracene	17.32	178	24078	0.407	ng	100
26) Fluoranthene	19.25	202	39830	0.428	ng	100
28) Pyrene	19.62	202	41651	0.492	ng	100
30) Benzo(a)anthracene	21.35	228	46769	0.452	ng	100
31) Chrysene	21.40	228	46095	0.456	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	75874	0.448	ng	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	54402	0.455	ng	99
35) Benzo(b)fluoranthene	23.15	252	43595	0.398	ng	99
36) Benzo(k)fluoranthene	23.15	252	43595	0.413	ng	99
37) Benzo(a)pyrene	23.76	252	43599	0.421	ng	# 94
38) Dibenzo(a,h)anthracene	26.54	278	44164	0.417	ng	# 98
39) Benzo(g,h,i)perylene	27.33	276	43673	0.412	ng	99

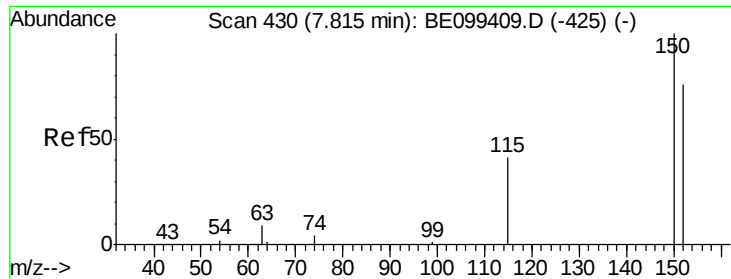
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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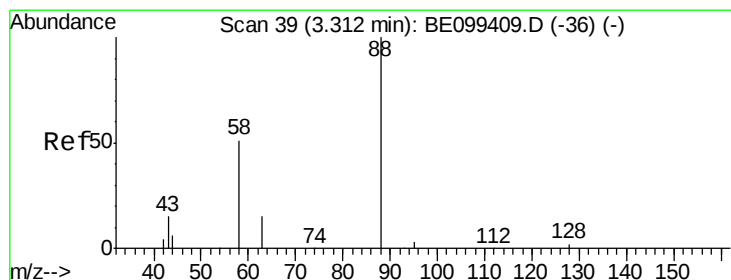
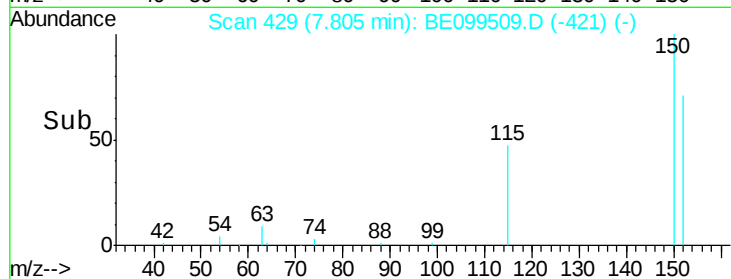
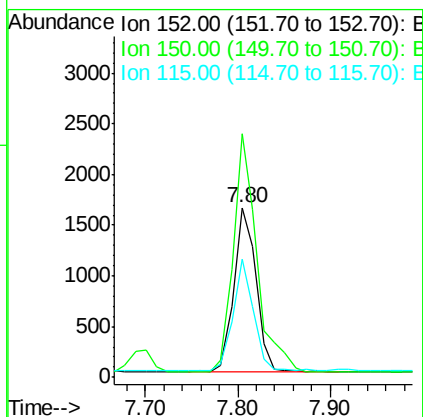
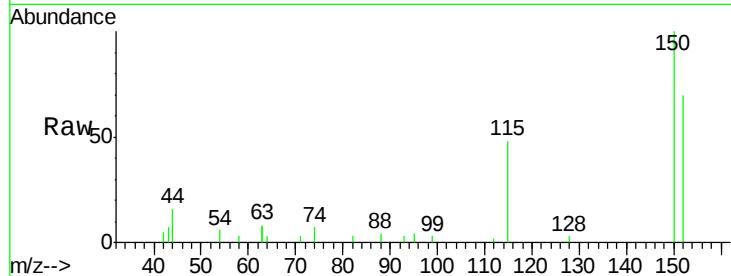


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

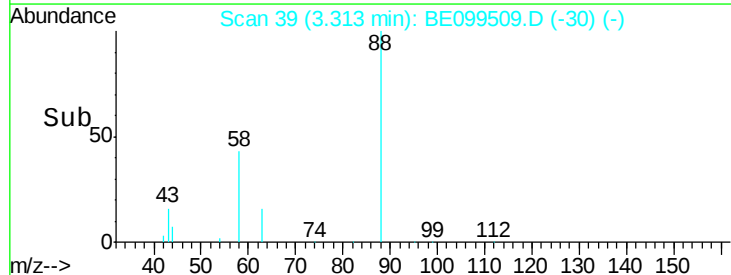
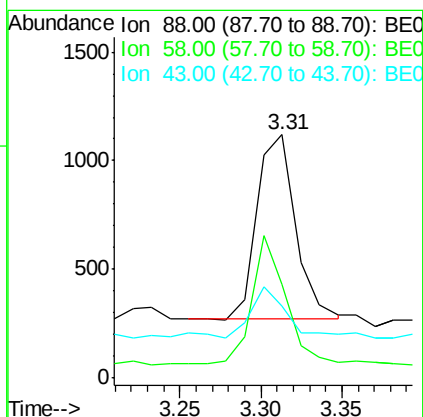
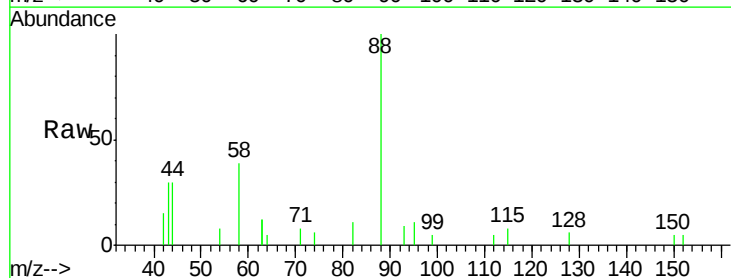
Tot Ion:152 Resp: 2719
Ion Ratio Lower Upper
152 100
150 143.3 104.8 157.2
115 69.3 46.6 69.8



#2

1,4-Dioxane
Concen: 0.374 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

Tgt Ion: 88 Resp: 1399
Ion Ratio Lower Upper
88 100
58 60.0 51.0 76.6
43 24.8 20.6 30.8





#3

n-Nitrosodimethylamine

Concen: 0.467 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

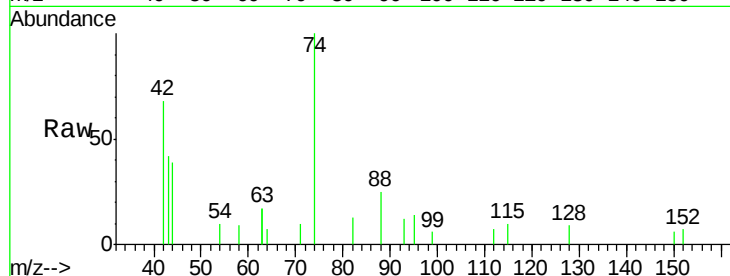
Tot Ion: 42 Resp: 1053

Ion Ratio Lower Upper

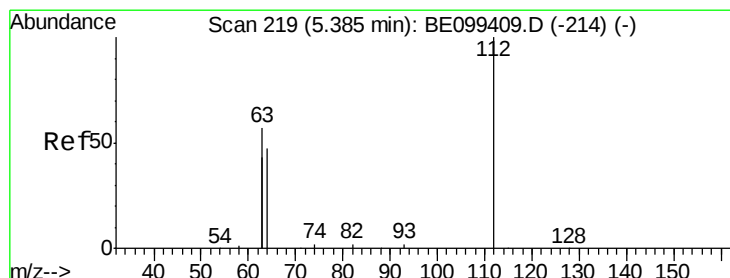
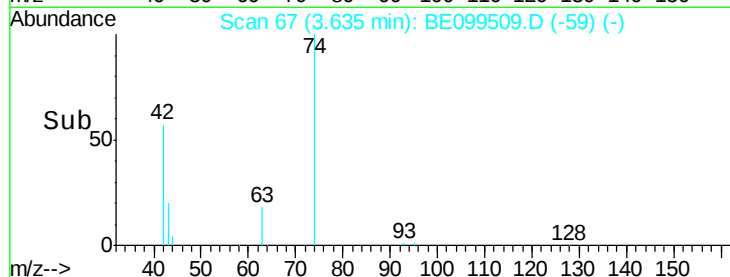
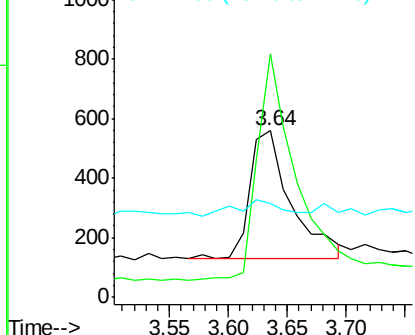
42 100

74 163.6 141.6 212.4

44 12.8 0.0 0.0#



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



#4

2-Fluorophenol

Concen: 0.426 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

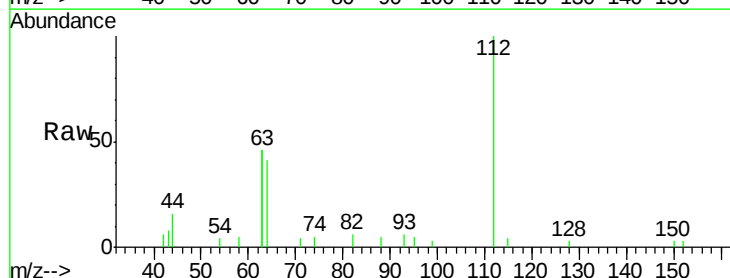
Tgt Ion: 112 Resp: 3203

Ion Ratio Lower Upper

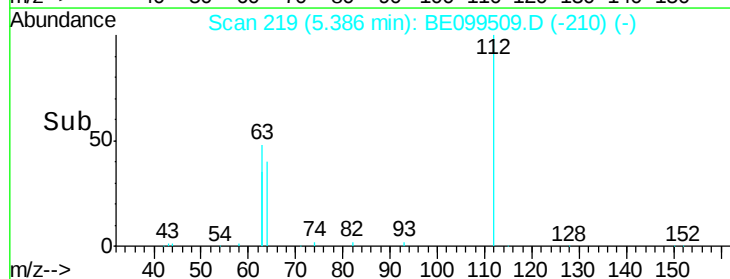
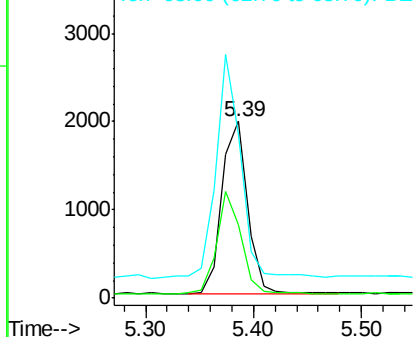
112 100

64 55.3 47.4 71.0

63 127.2 104.3 156.5



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





#5

Phenol-d6

Concen: 0.433 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

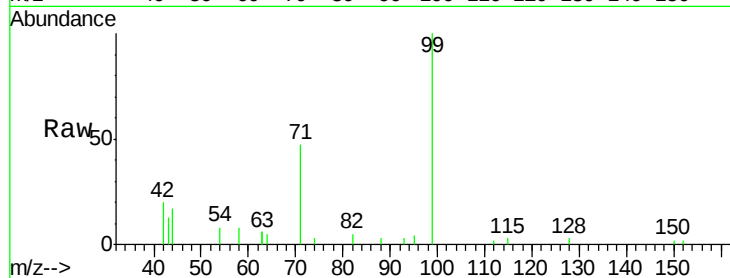
Tot Ion: 99 Resp: 4328

Ion Ratio Lower Upper

99 100

42 17.6 14.9 22.3

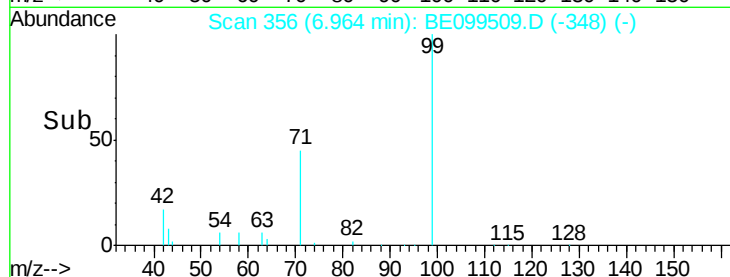
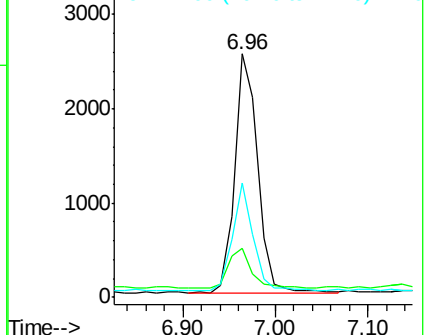
71 41.4 33.0 49.6



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: 0.394 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

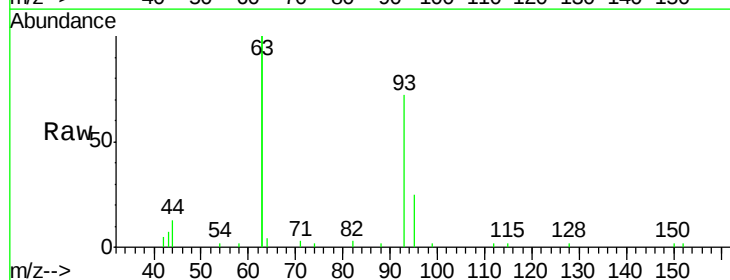
Tgt Ion: 93 Resp: 3400

Ion Ratio Lower Upper

93 100

63 270.9 215.6 323.4

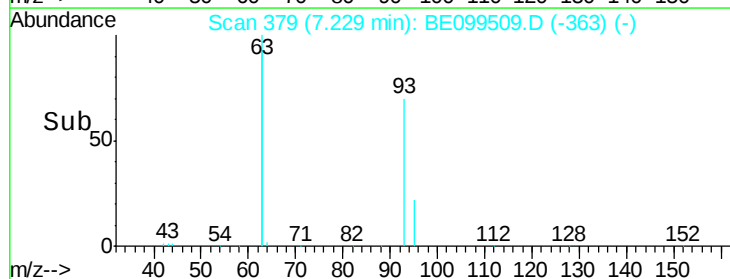
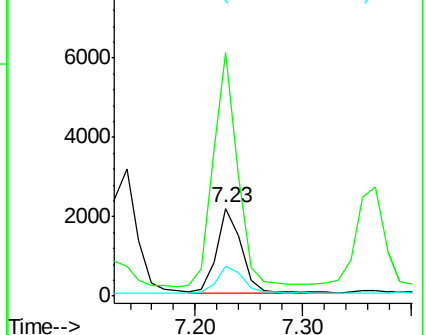
95 32.8 26.2 39.2



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: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:136 Resp: 10027

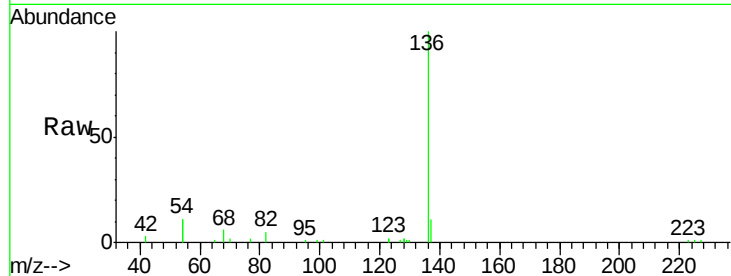
Ion Ratio Lower Upper

136 100

137 11.1 9.8 14.8

54 22.6 18.5 27.7

68 6.0 4.7 7.1

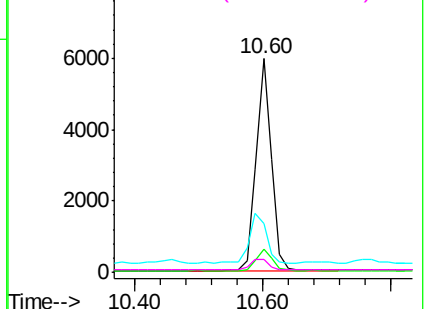
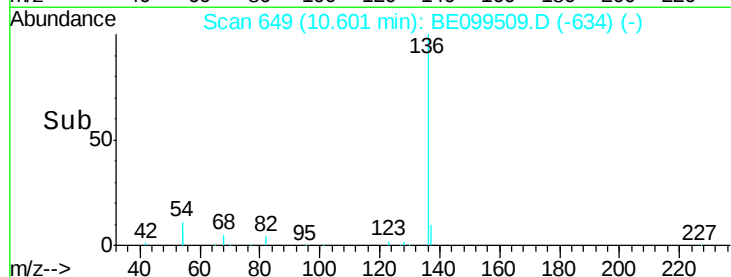


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.426 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

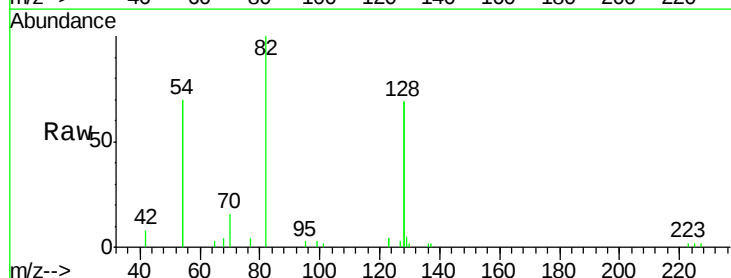
Tgt Ion: 82 Resp: 4002

Ion Ratio Lower Upper

82 100

128 138.1 107.0 160.4

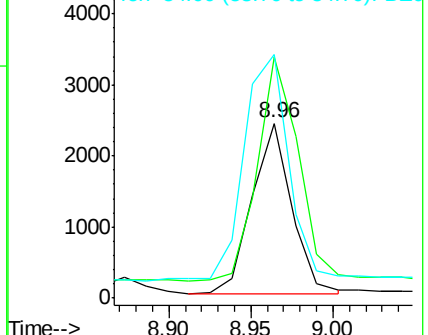
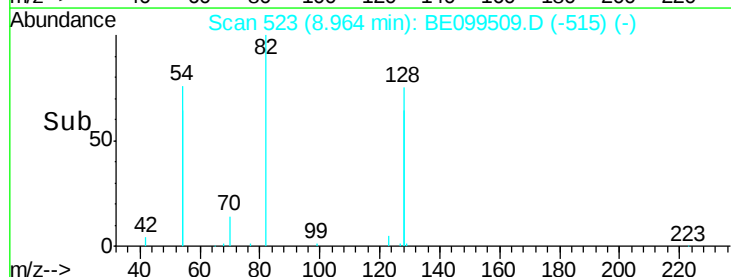
54 139.4 113.1 169.7

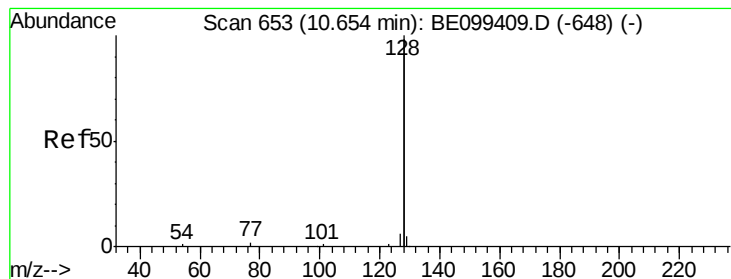


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.410 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

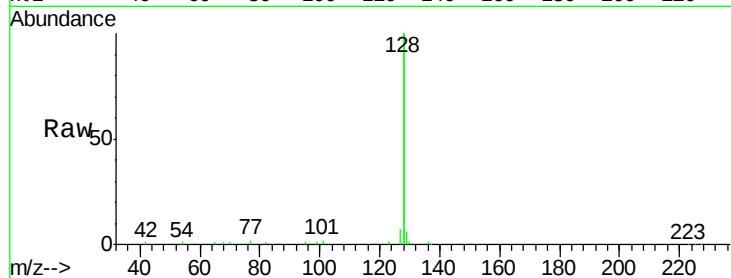
Tot Ion:128 Resp: 44834

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

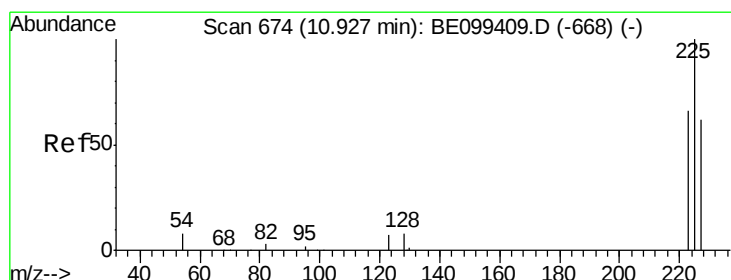
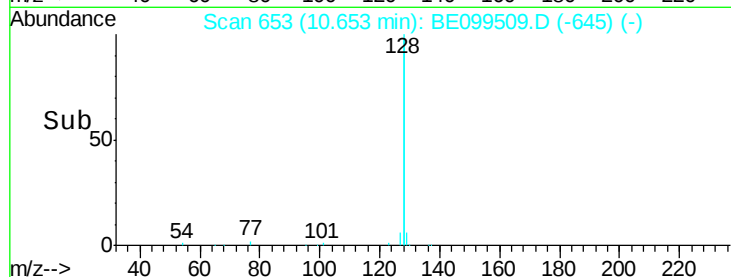
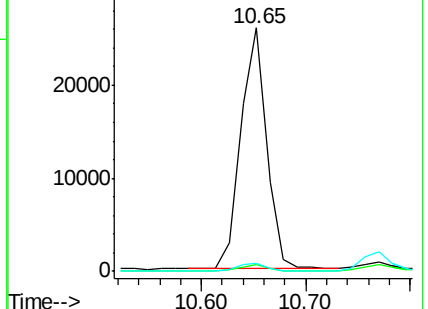
127 3.3 2.8 4.2



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: 0.412 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

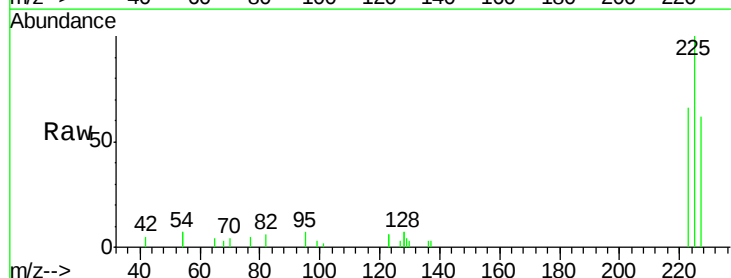
Tgt Ion:225 Resp: 3130

Ion Ratio Lower Upper

225 100

223 64.6 51.0 76.6

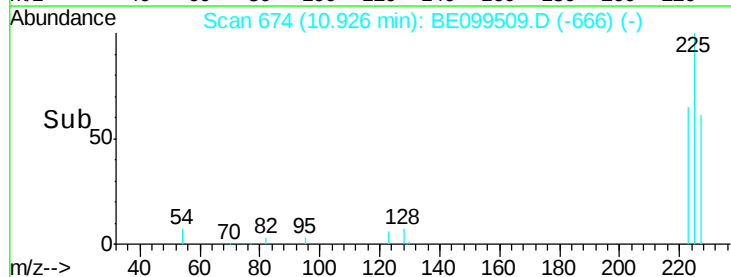
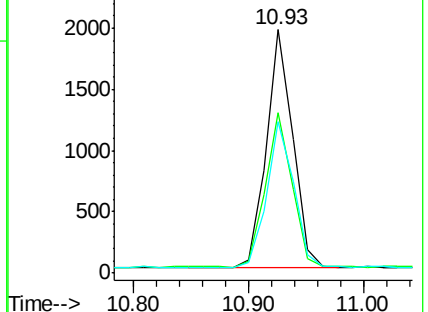
227 62.0 50.9 76.3

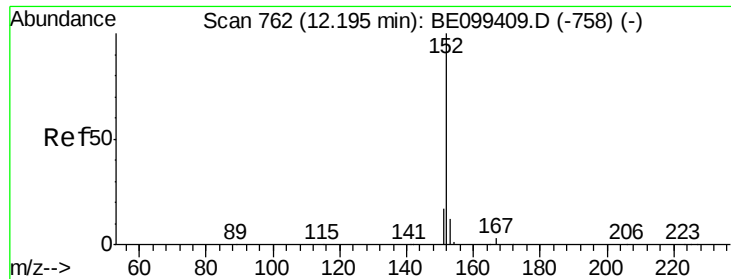


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

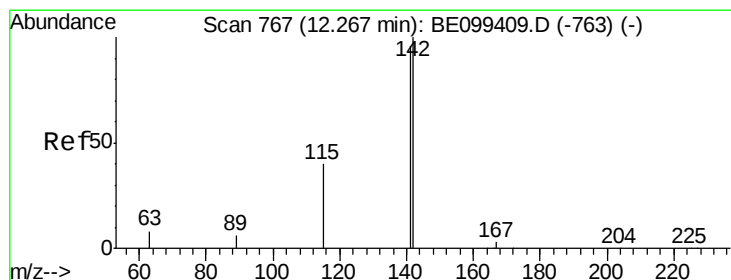
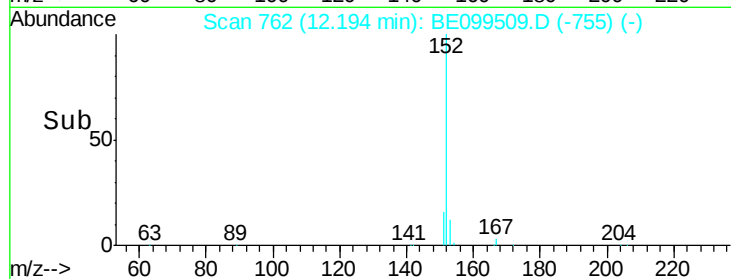
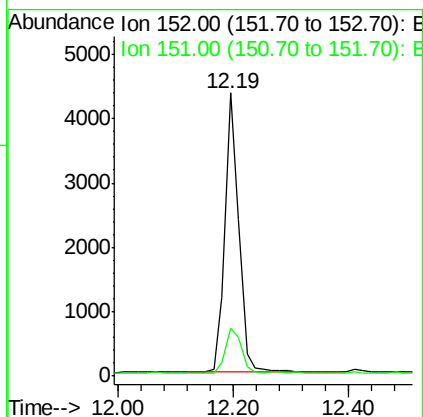
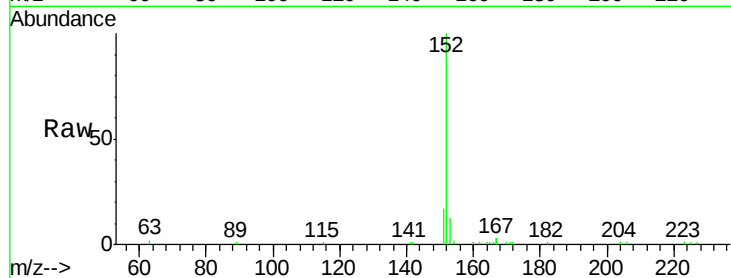




#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

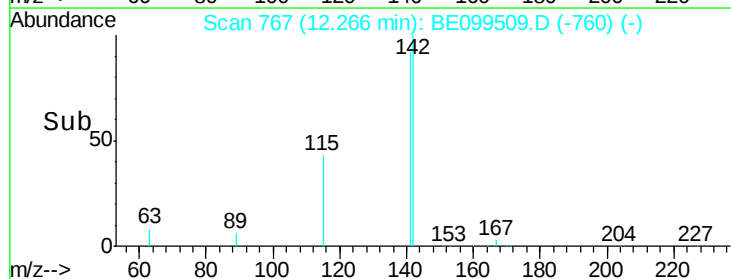
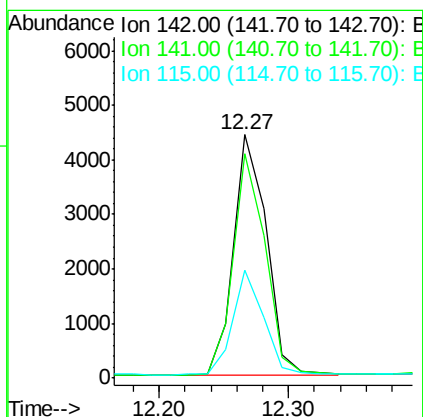
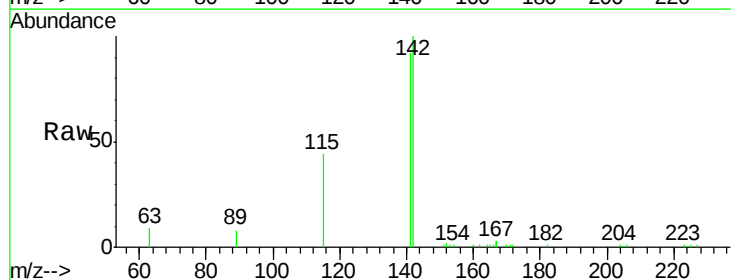
Instrument :
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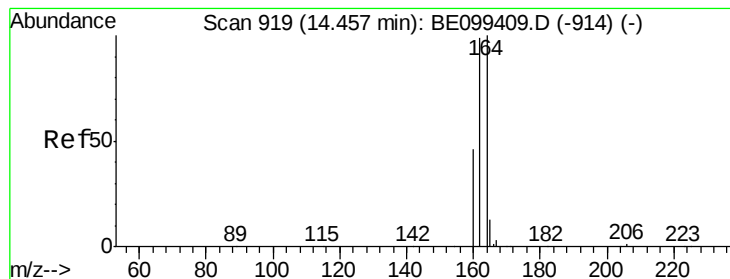
Tot Ion:152 Resp: 7343
Ion Ratio Lower Upper
152 100
151 18.2 15.5 23.3



#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

Tgt Ion:142 Resp: 7738
Ion Ratio Lower Upper
142 100
141 92.3 77.0 115.4
115 44.1 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: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

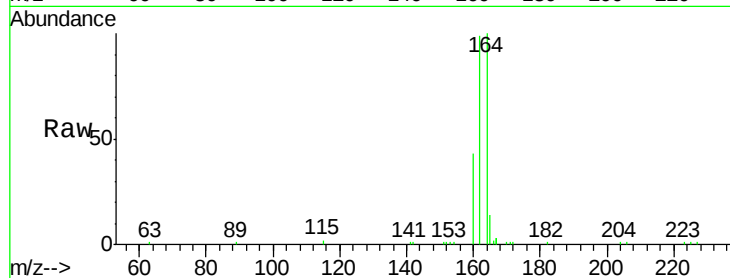
Tot Ion:164 Resp: 7604

Ion Ratio Lower Upper

164 100

162 99.4 79.0 118.4

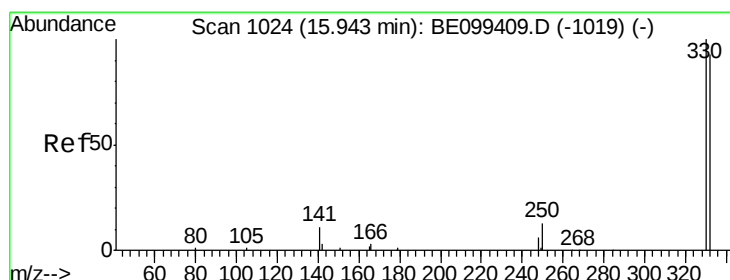
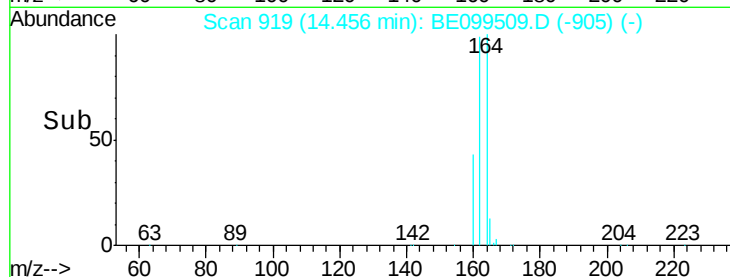
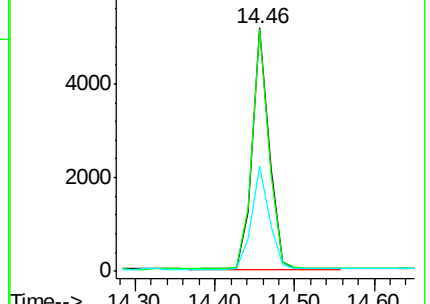
160 43.5 37.0 55.4



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: 0.487 ng

RT: 15.94 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

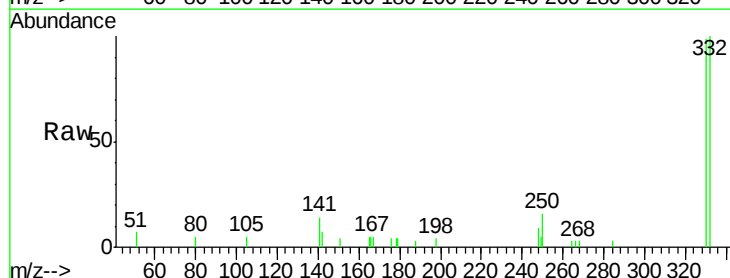
Tgt Ion:330 Resp: 2333

Ion Ratio Lower Upper

330 100

332 97.9 71.5 107.3

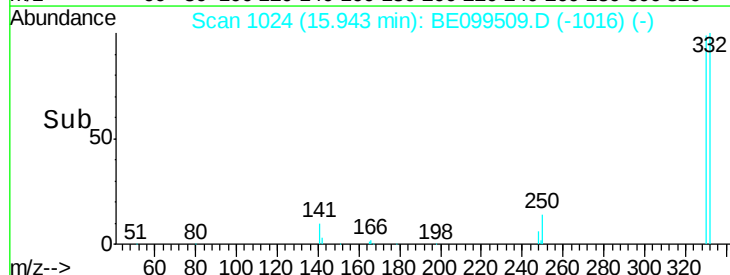
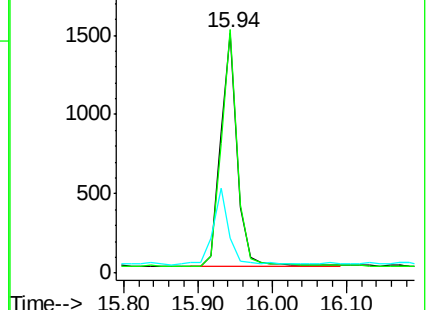
141 29.8 24.0 36.0

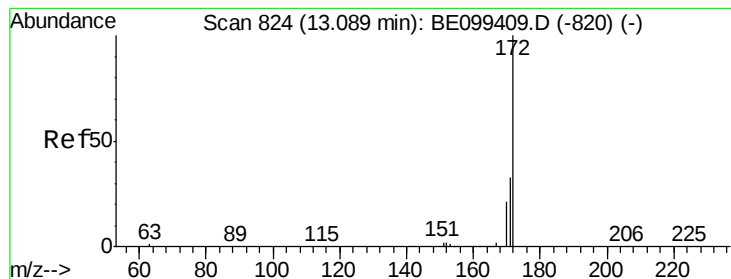


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.399 ng

RT: 13.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

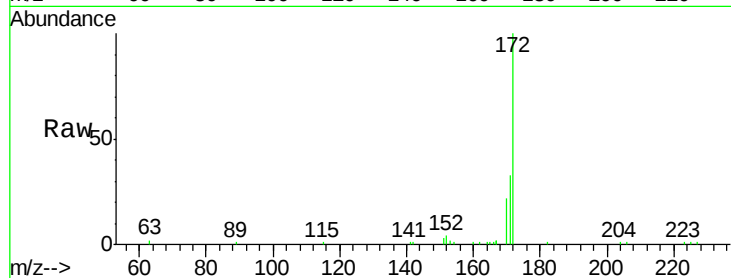
BNA_E

ClientSampleId :

SSTDCCC0.4EC

Tot Ion:172 Resp: 11575

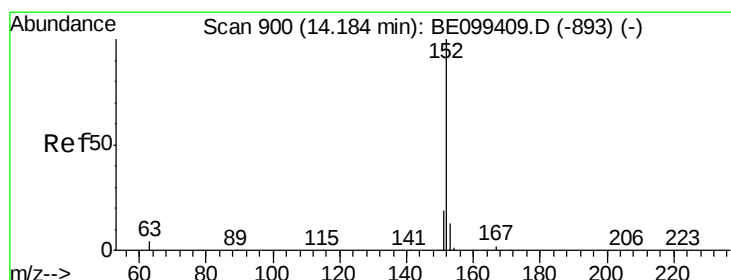
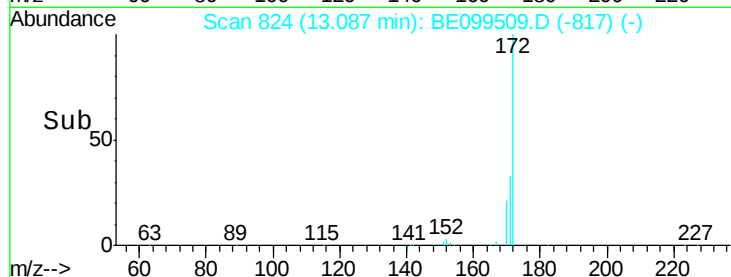
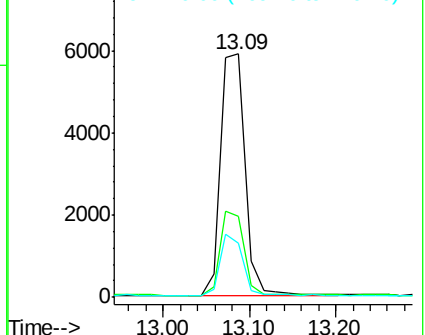
Ion	Ratio	Lower	Upper
172	100		
171	33.4	26.6	39.8
170	22.0	17.0	25.6



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.401 ng

RT: 14.18 min Scan# 900

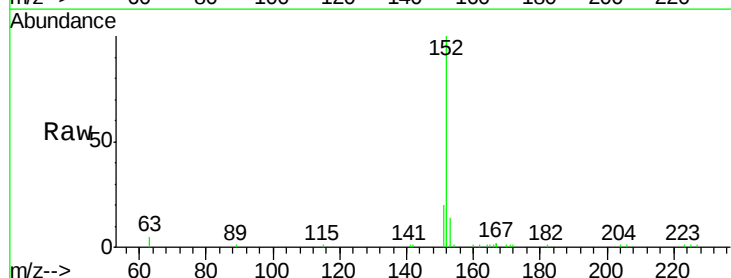
Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Tgt Ion:152 Resp: 14929

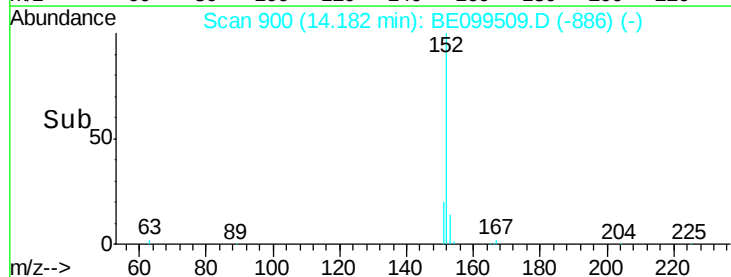
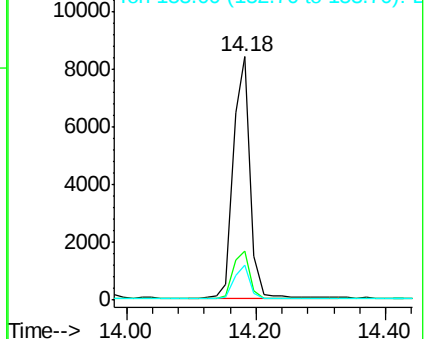
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.2
153	13.2	9.8	14.6

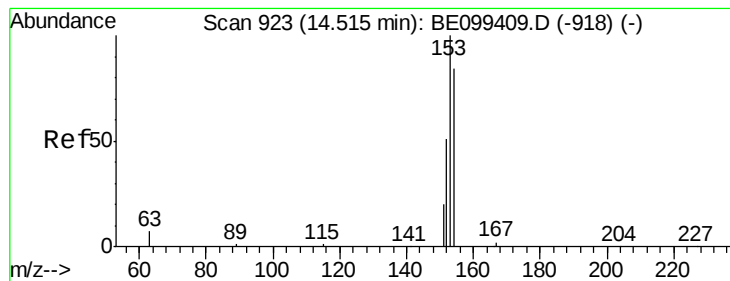


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.404 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

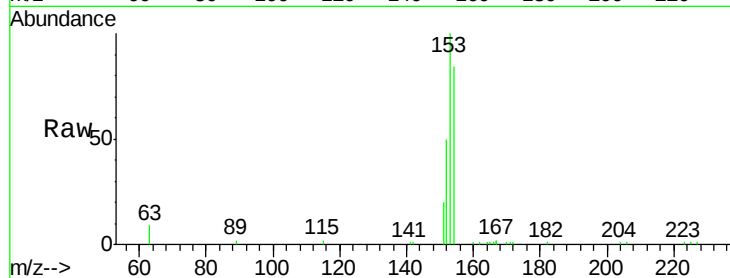
Tot Ion:154 Resp: 8574

Ion Ratio Lower Upper

154 100

153 114.7 92.6 138.8

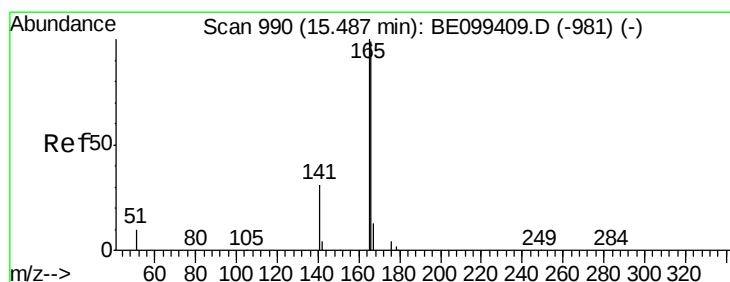
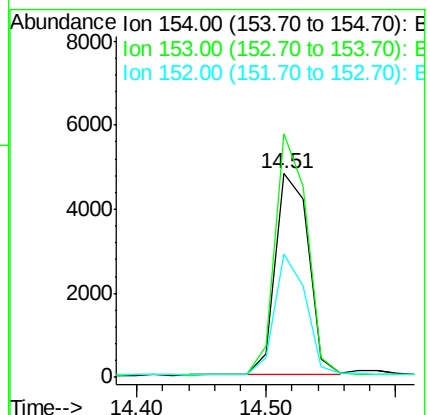
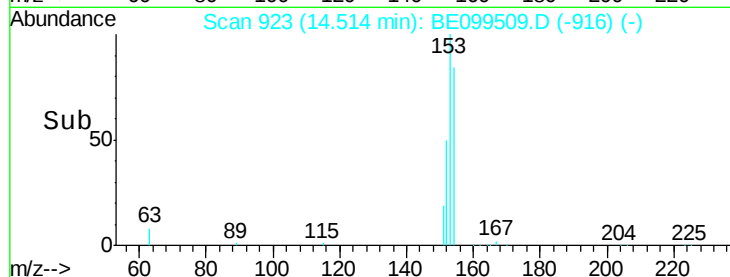
152 56.2 45.8 68.8



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: 0.398 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

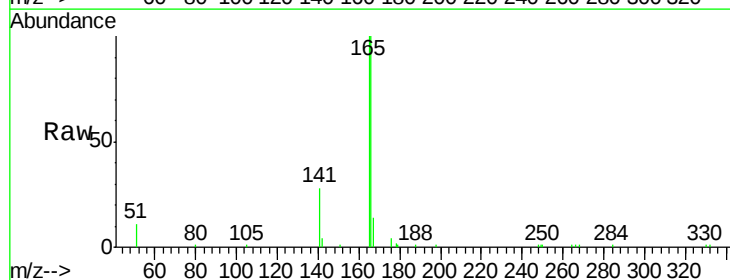
Tgt Ion:166 Resp: 12472

Ion Ratio Lower Upper

166 100

165 98.7 80.3 120.5

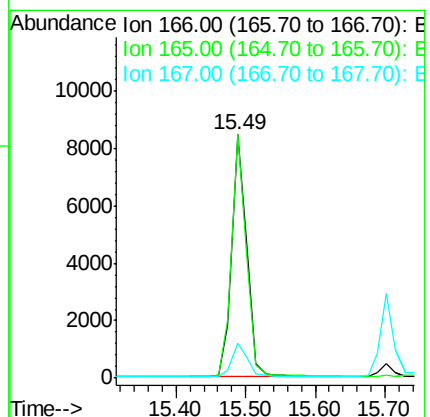
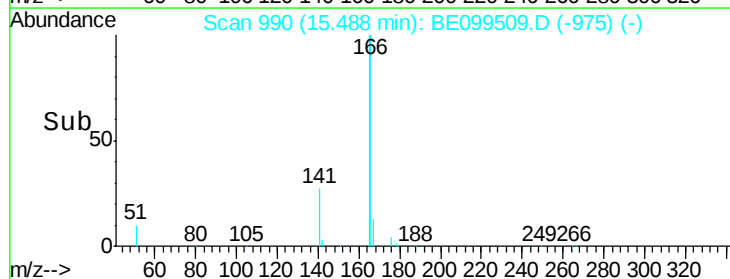
167 14.0 10.7 16.1

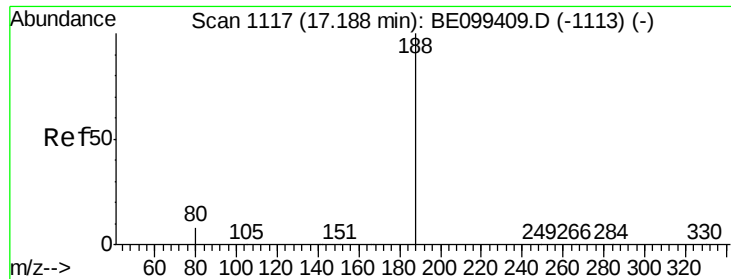


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

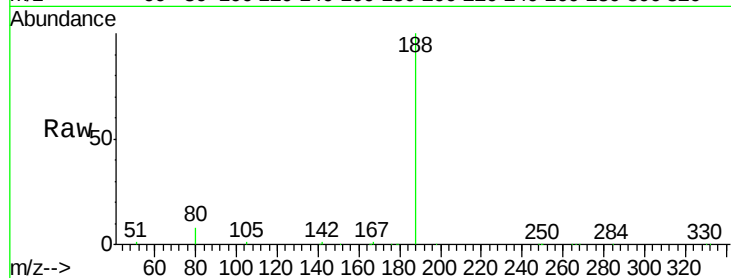
Tot Ion:188 Resp: 24049

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

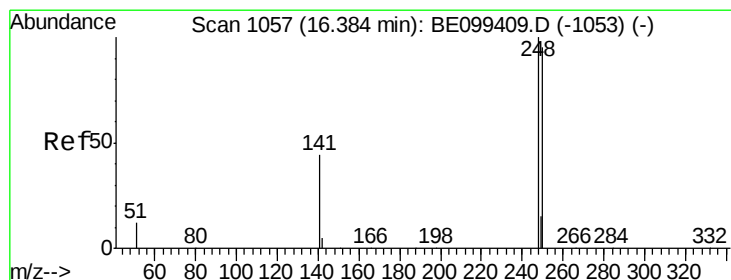
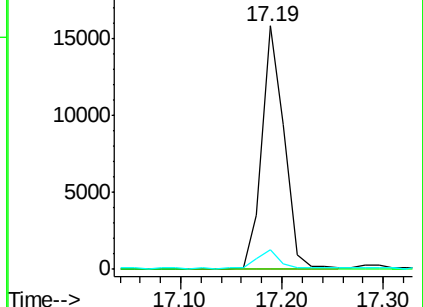
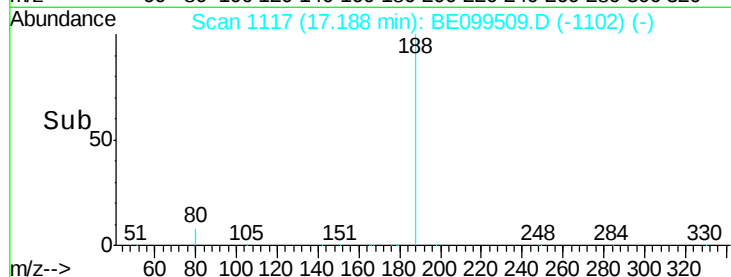
80 8.1 6.7 10.1



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: 0.380 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

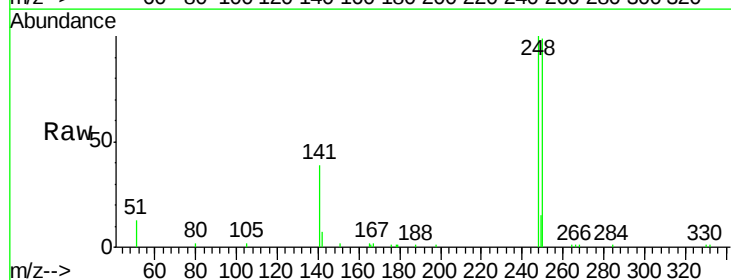
Tgt Ion:248 Resp: 5316

Ion Ratio Lower Upper

248 100

250 98.5 75.8 113.8

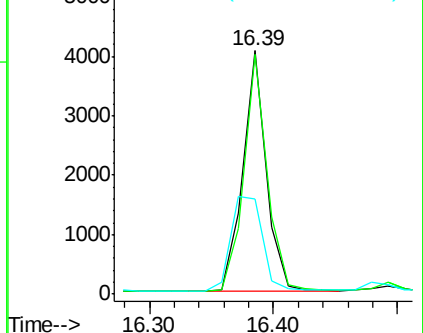
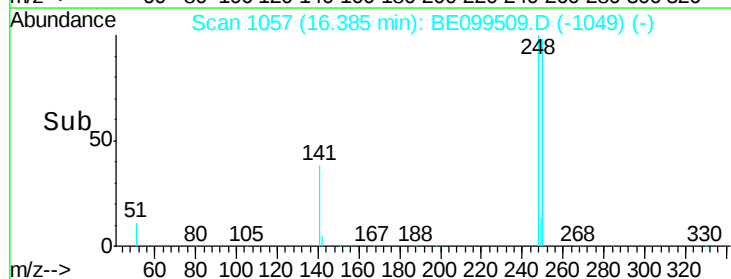
141 39.3 35.7 53.5

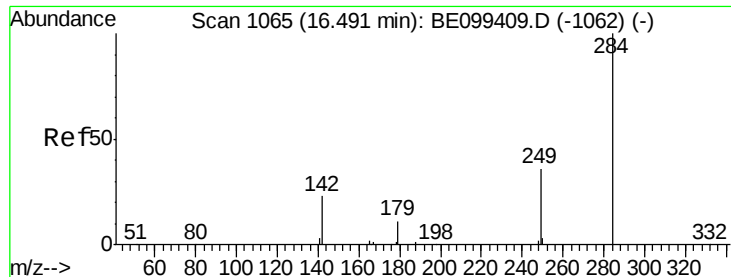


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.399 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

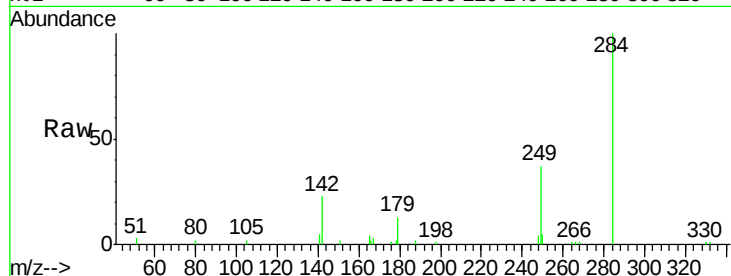
Tot Ion:284 Resp: 5325

Ion Ratio Lower Upper

284 100

142 26.7 21.0 31.6

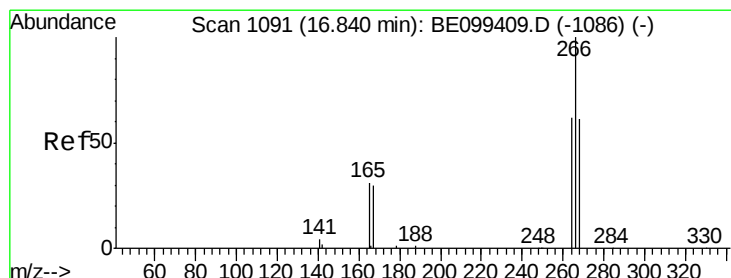
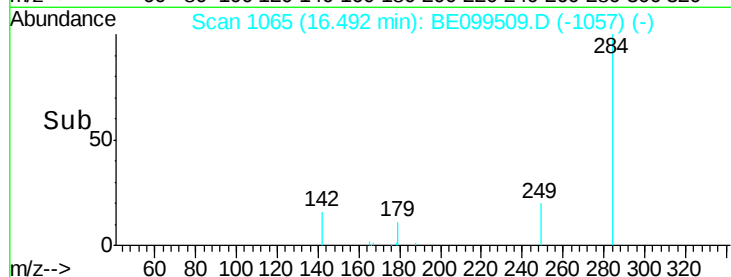
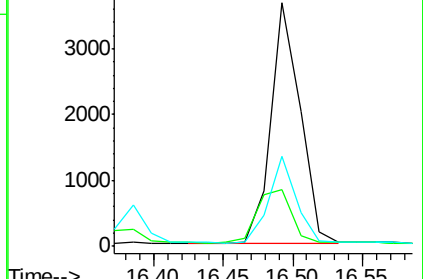
249 34.1 26.7 40.1



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: 0.594 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

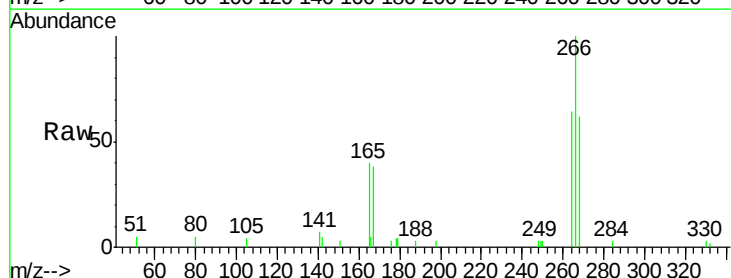
Tgt Ion:266 Resp: 3033

Ion Ratio Lower Upper

266 100

264 63.7 50.8 76.2

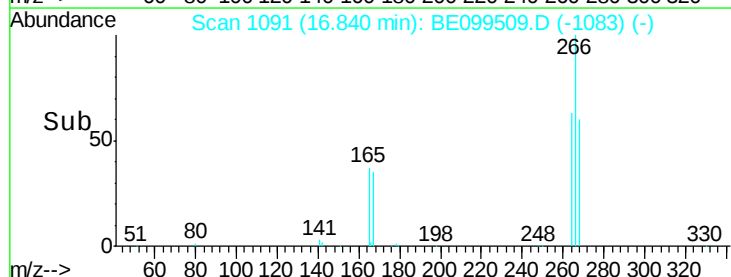
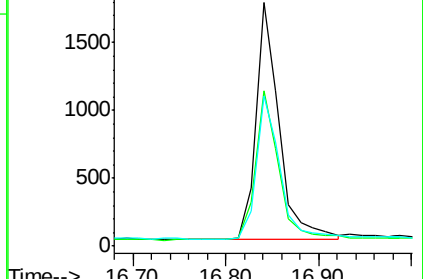
268 61.8 50.5 75.7

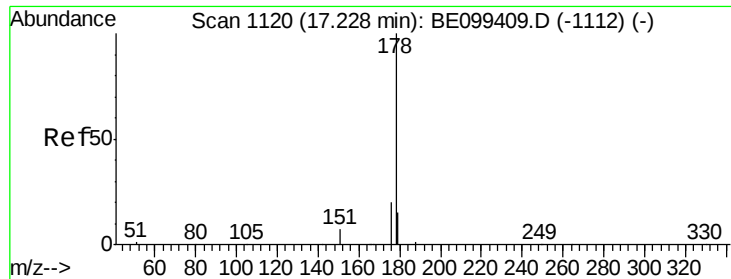


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

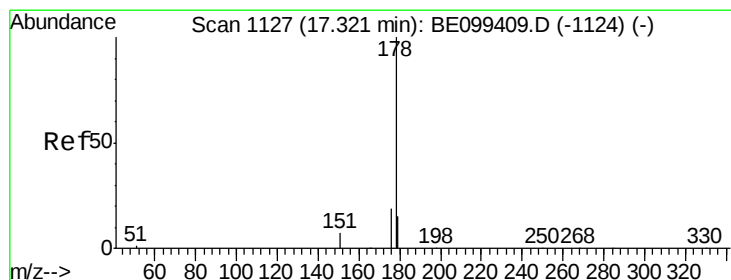
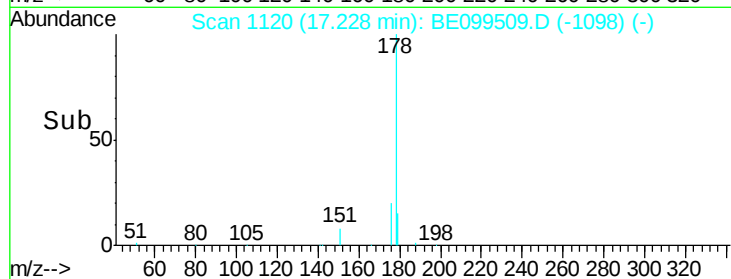
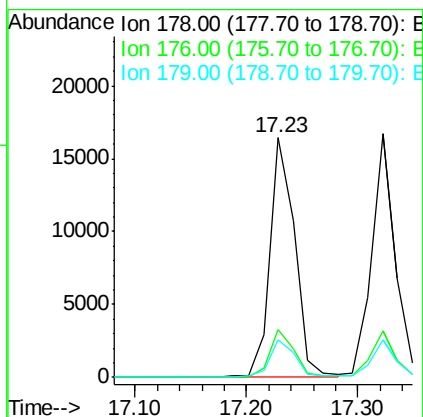
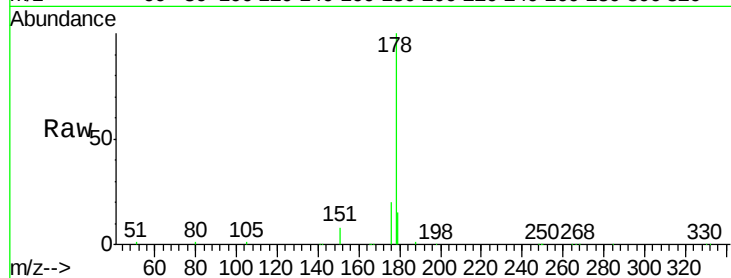




#23
Phenanthrene
Concen: 0.407 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

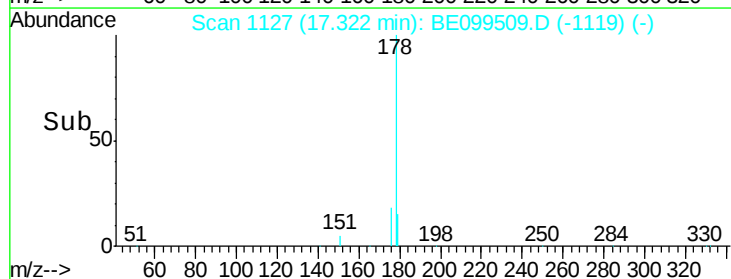
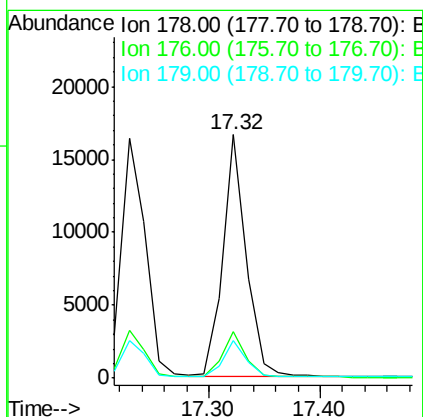
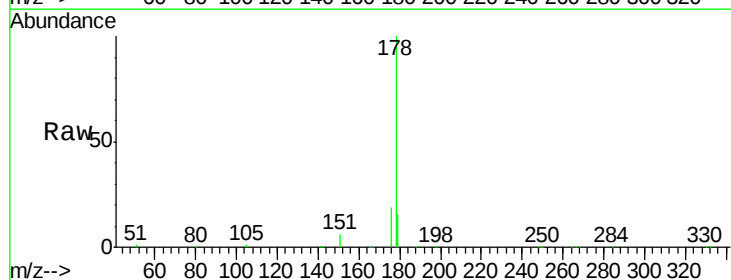
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

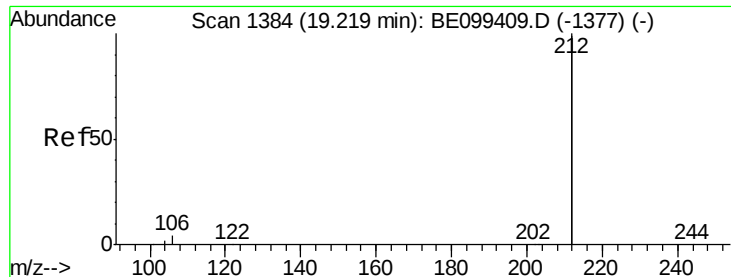
Tot Ion:178 Resp: 25253
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.3 12.0 18.0



#24
Anthracene
Concen: 0.407 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

Tgt Ion:178 Resp: 24078
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 14.9 11.9 17.9





#25

Fluoranthene-d10

Concen: 0.424 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

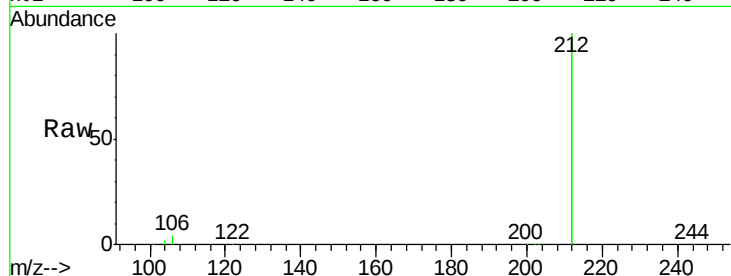
Tot Ion:212 Resp: 137298

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

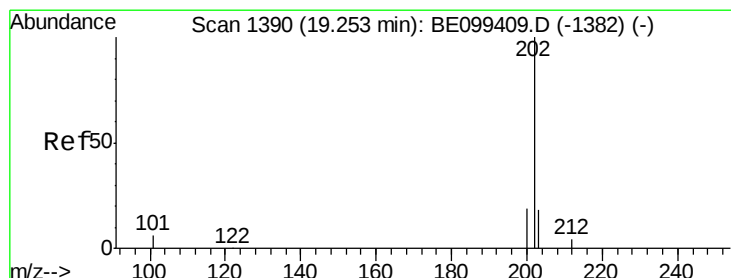
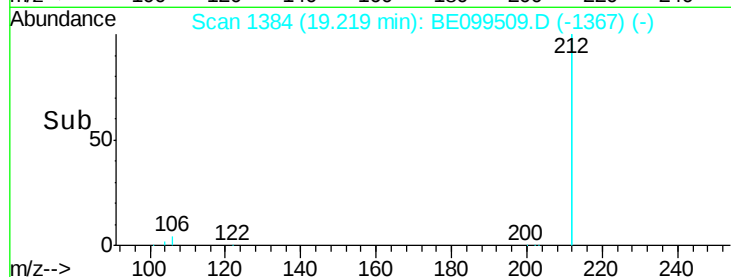
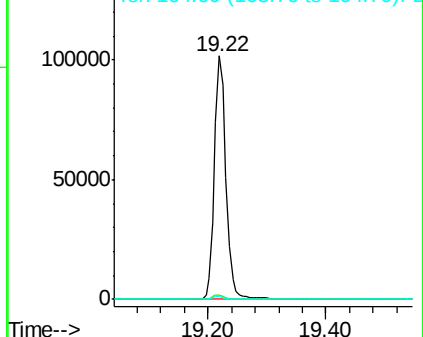
104 1.0 0.9 1.3



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: 0.428 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

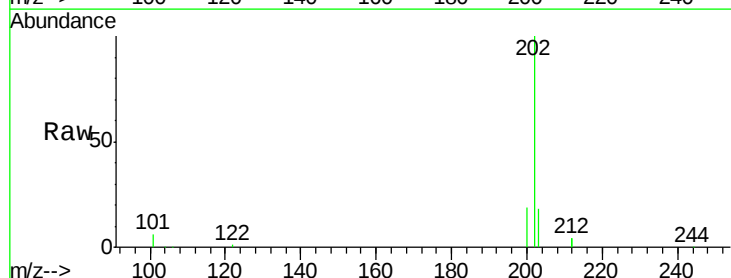
Tgt Ion:202 Resp: 39830

Ion Ratio Lower Upper

202 100

101 6.6 5.4 8.0

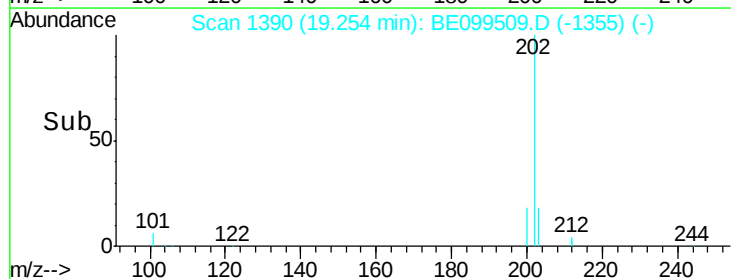
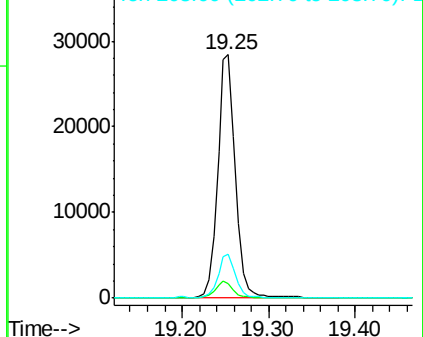
203 17.3 13.9 20.9



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

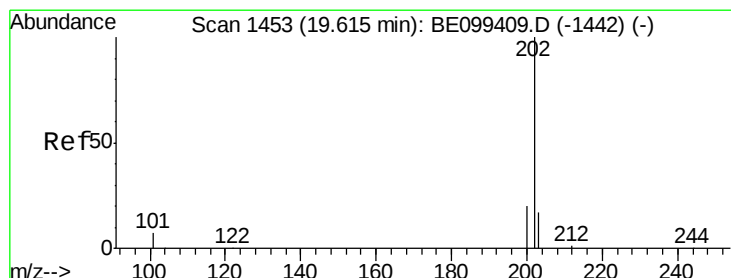
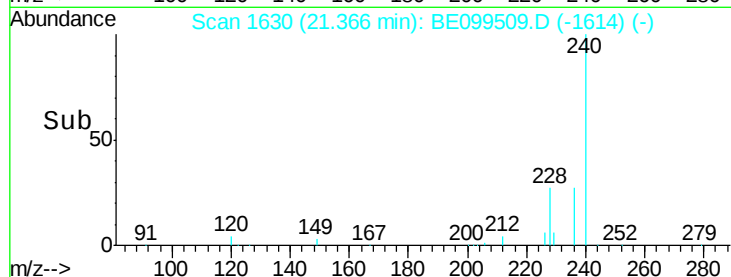
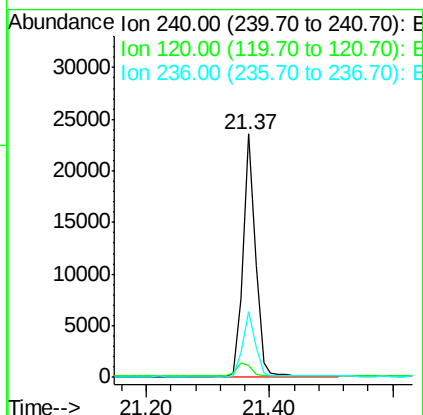
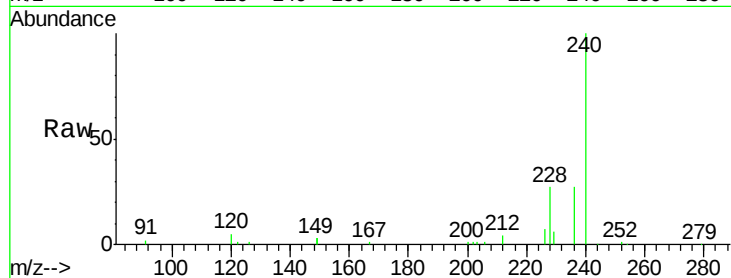




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

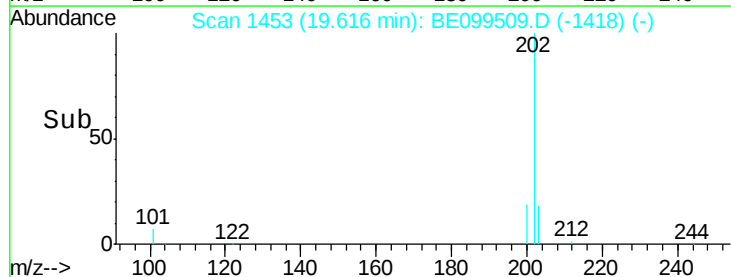
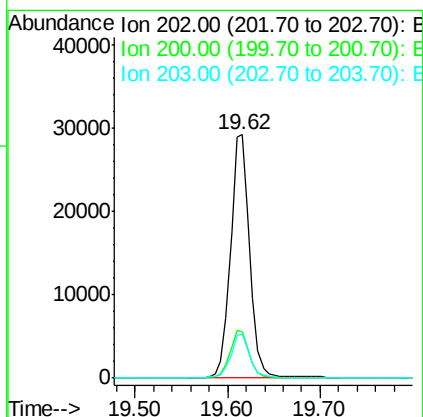
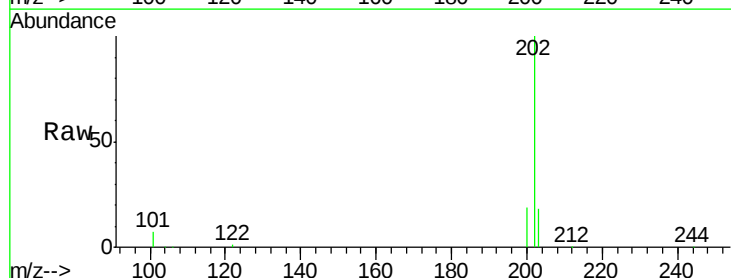
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

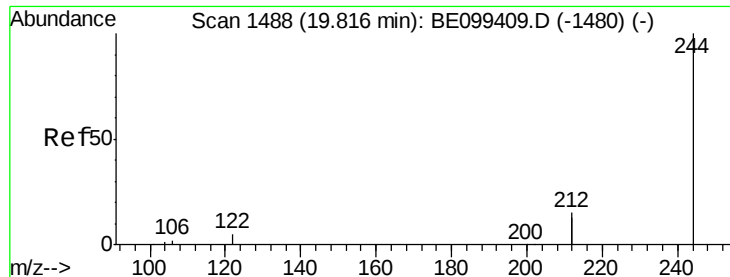
Tot Ion:240 Resp: 32455
Ion Ratio Lower Upper
240 100
120 4.7 4.0 6.0
236 27.0 22.0 33.0



#28
Pyrene
Concen: 0.492 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

Tgt Ion:202 Resp: 41651
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 17.5 13.9 20.9





#29

Terphenyl-d14

Concen: 0.476 ng

RT: 19.82 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

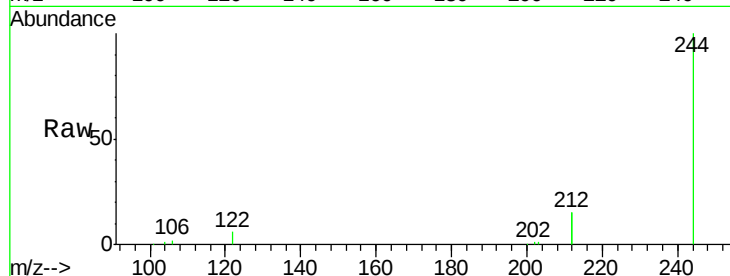
Tot Ion:244 Resp: 28275

Ion Ratio Lower Upper

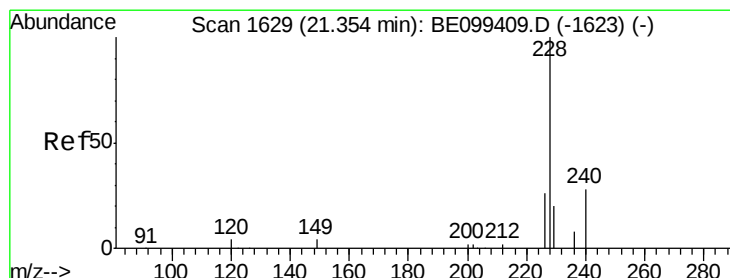
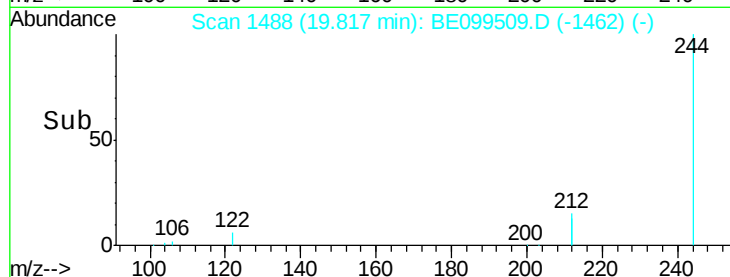
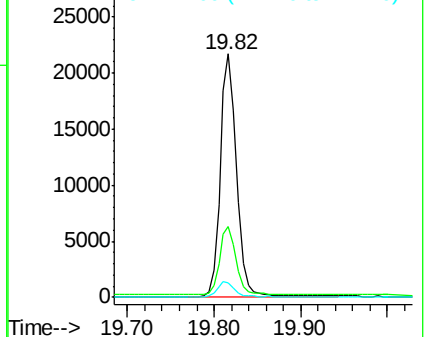
244 100

212 29.1 23.2 34.8

122 5.9 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: 0.452 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

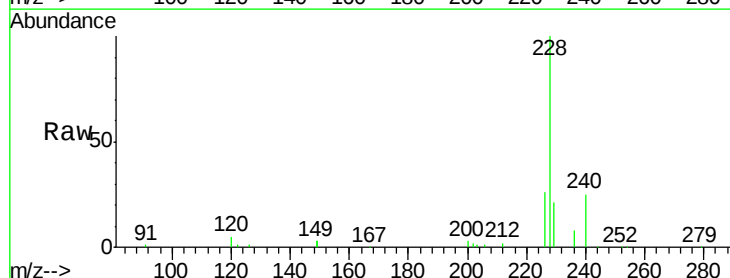
Tgt Ion:228 Resp: 46769

Ion Ratio Lower Upper

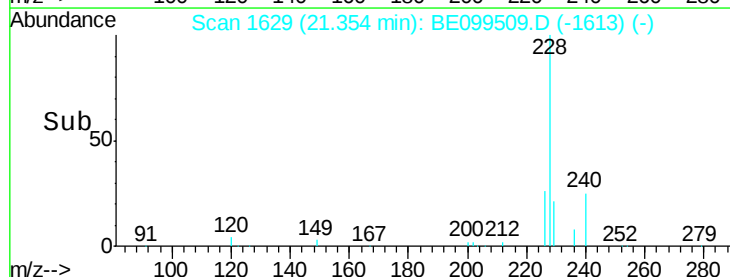
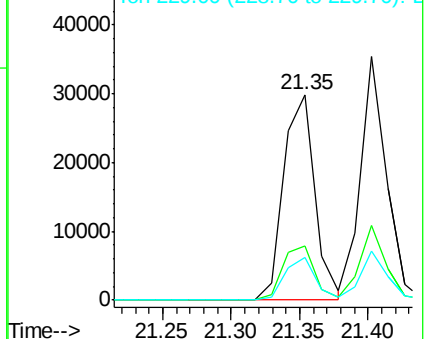
228 100

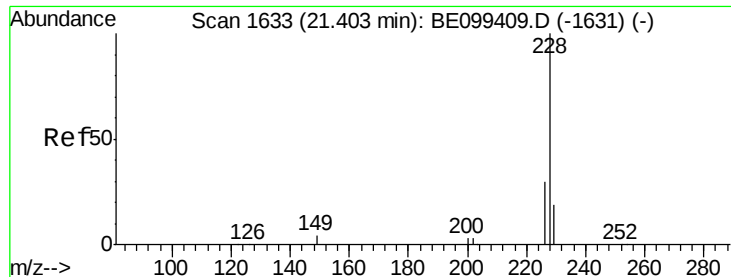
226 26.1 21.0 31.6

229 21.0 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: 0.456 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

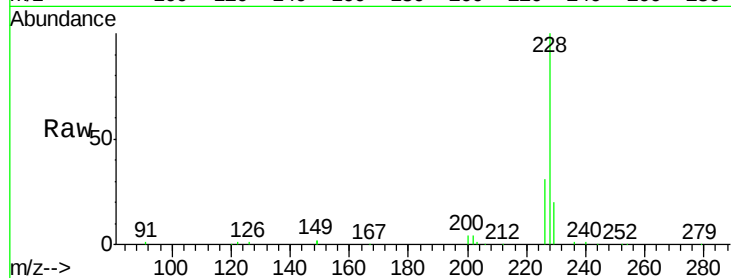
Tot Ion:228 Resp: 46095

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

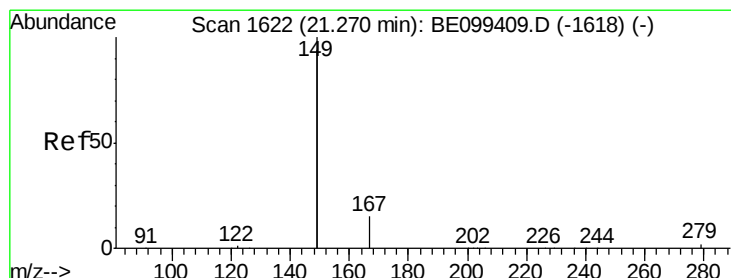
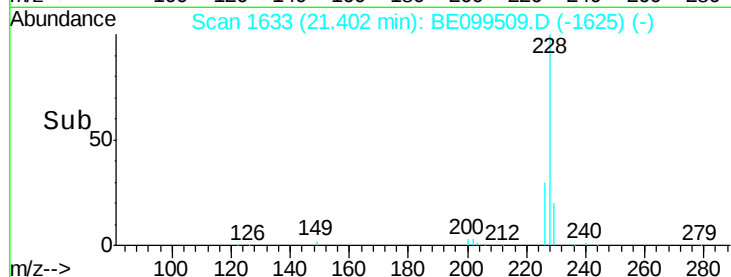
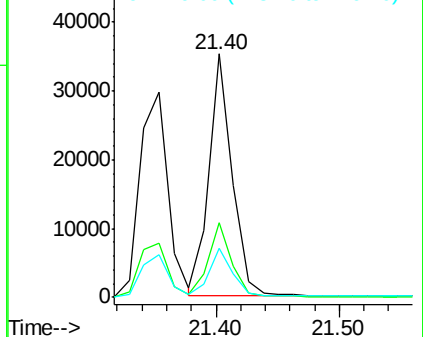
229 19.9 15.8 23.8



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: 0.448 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

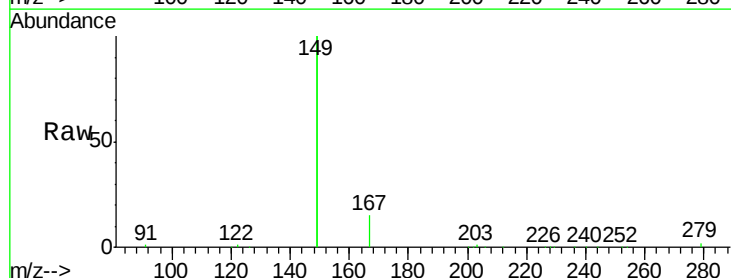
Tgt Ion:149 Resp: 75874

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.6

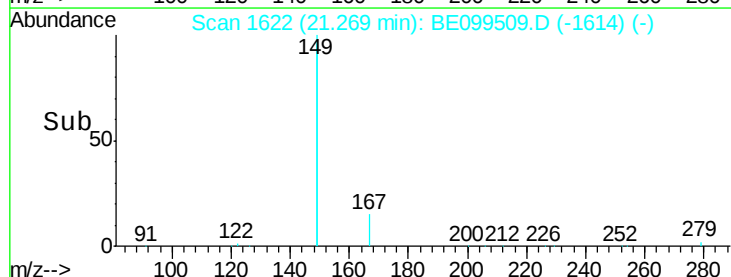
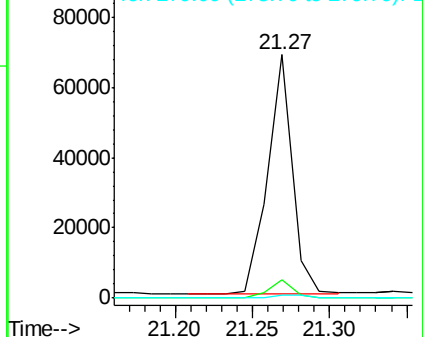
279 1.4 1.0 1.6



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: 0.455 ng

RT: 26.51 min Scan# 2937

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

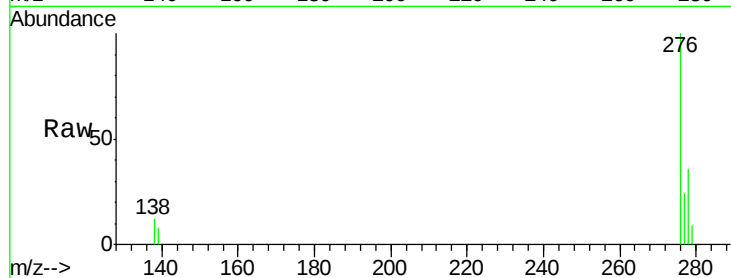
Tot Ion:276 Resp: 54402

Ion Ratio Lower Upper

276 100

138 13.3 10.2 15.2

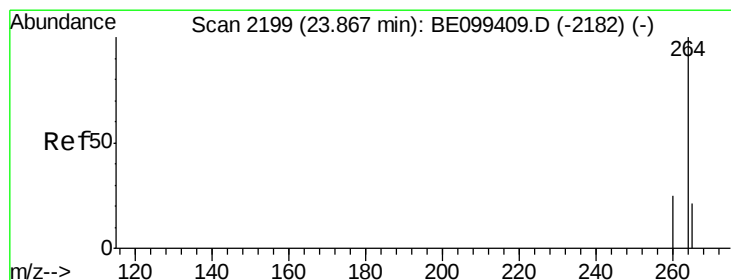
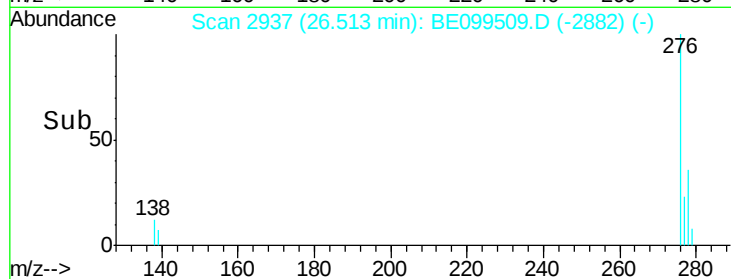
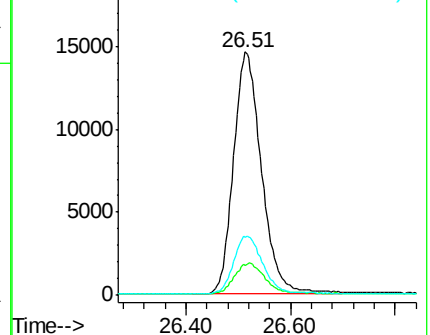
277 24.5 19.2 28.8



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. 0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

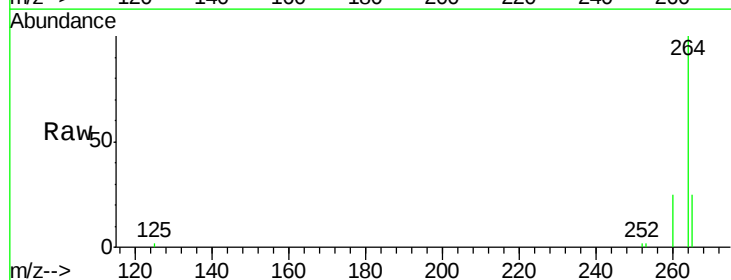
Tgt Ion:264 Resp: 37979

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.2

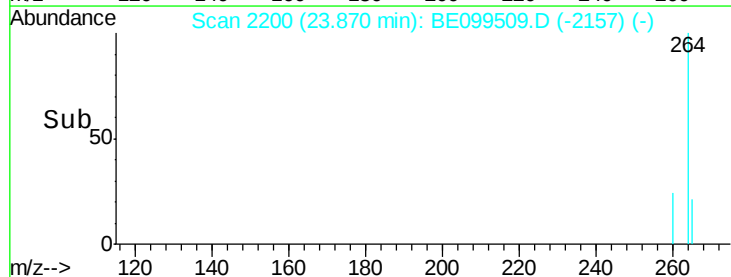
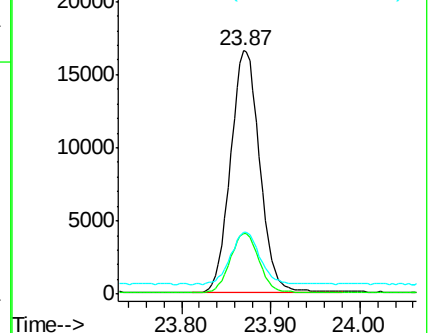
265 25.2 21.3 31.9



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: 0.398 ng

RT: 23.15 min Scan# 1998

Delta R.T. 0.05 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC

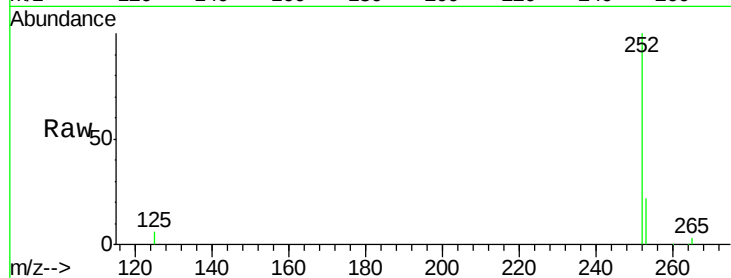
Tot Ion:252 Resp: 43595

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

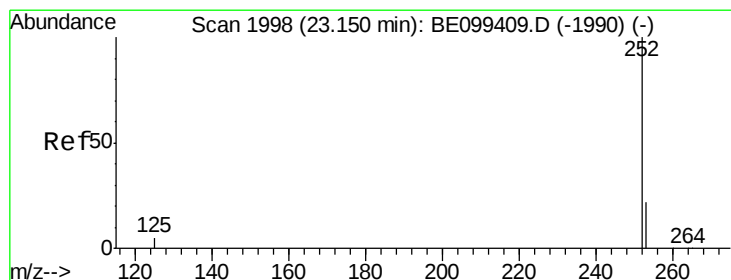
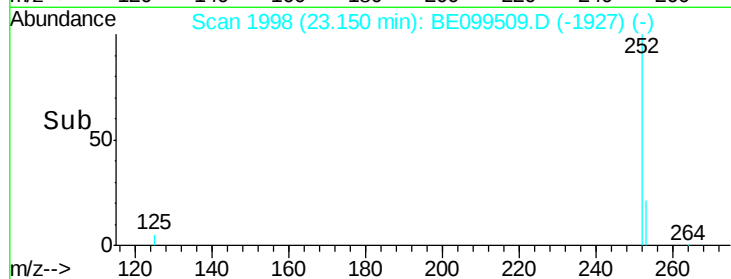
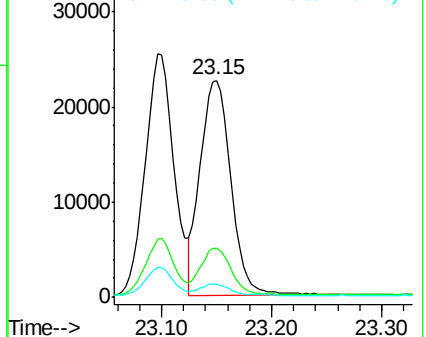
125 5.9 5.6 8.4



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: 0.413 ng

RT: 23.15 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE099509.D

Acq: 3 May 2019 00:42

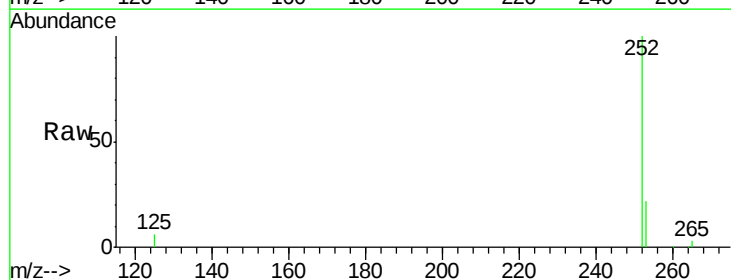
Tgt Ion:252 Resp: 43595

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

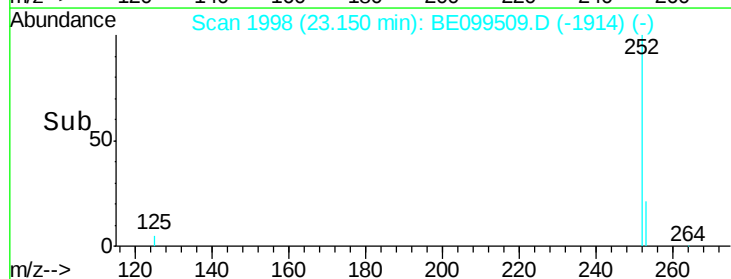
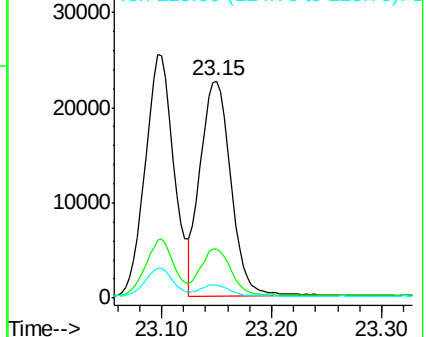
125 5.9 5.0 7.4



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

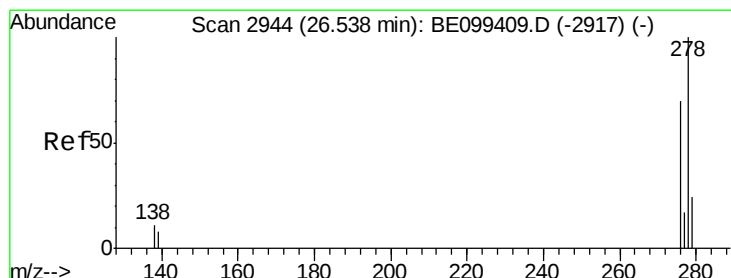
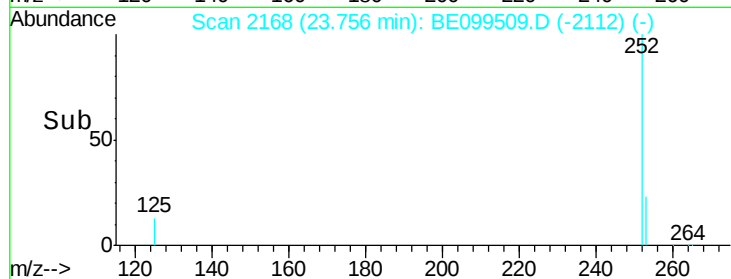
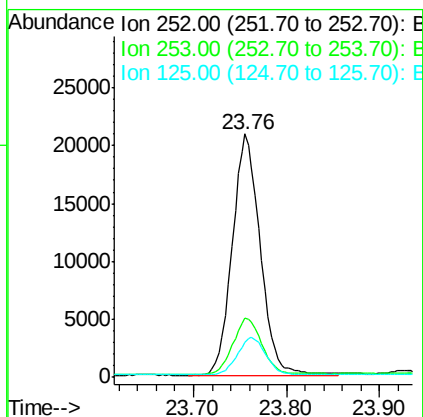
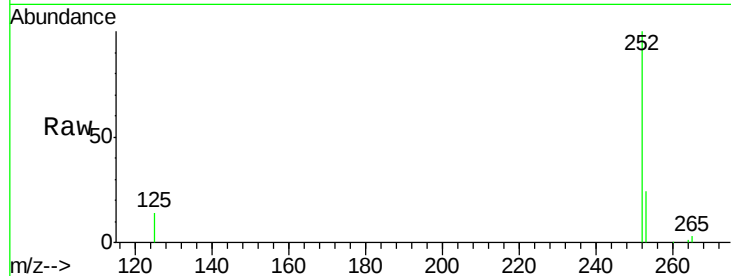




#37
Benzo(a)pyrene
Concen: 0.421 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

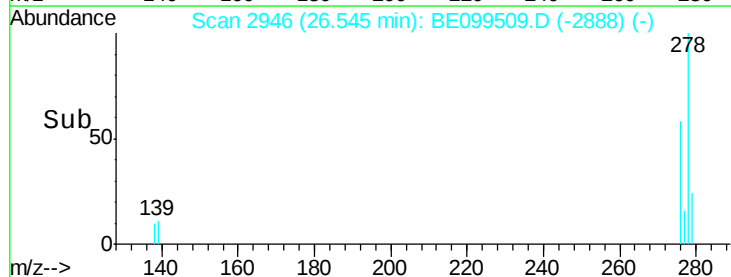
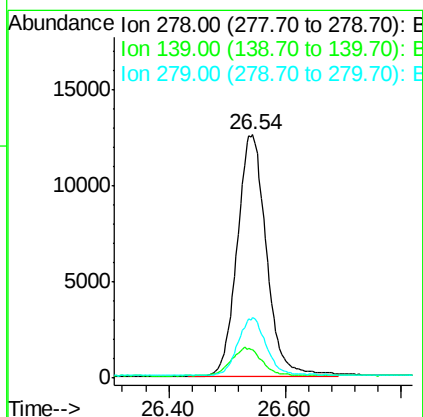
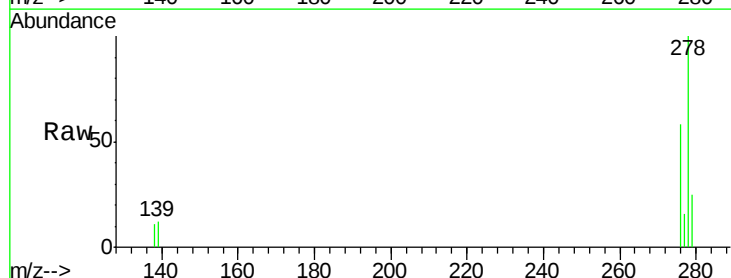
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tot Ion:252 Resp: 43599
Ion Ratio Lower Upper
252 100
253 24.5 18.9 28.3
125 14.3 6.7 10.1#



#38
Dibenzo(a,h)anthracene
Concen: 0.417 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.01 min
Lab File: BE099509.D
Acq: 3 May 2019 00:42

Tgt Ion:278 Resp: 44164
Ion Ratio Lower Upper
278 100
139 11.8 7.7 11.5#
279 24.7 20.2 30.2





#39

Benzo(a,h,i)perylene

Concen: 0.412 ng

RT: 27.33 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BE099509.D

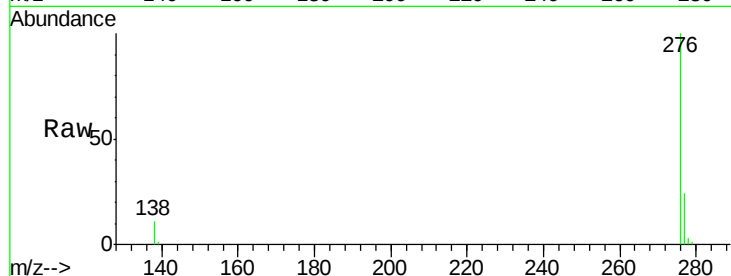
Acq: 3 May 2019 00:42

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4EC



Tot Ion: 276 Resp: 43673

Ion Ratio Lower Upper

276 100

277 24.3 19.5 29.3

138 11.4 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

