

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
 Data File : BE099527.D
 Acq On : 3 May 2019 12:06
 Operator : JU/SJ
 Sample : SP4722
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SP4722

Quant Time: May 03 13:25:47 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	2908	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	9802	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	6367	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	17719	0.40	ng	0.00
27) Chrysene-d12	21.37	240	29824	0.40	ng	0.00
34) Perylene-d12	23.87	264	35055	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	194	0.02	ng	0.00
5) Phenol-d6	6.97	99	270	0.03	ng	0.00
8) Nitrobenzene-d5	8.96	82	171	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.15	152	2656	0.15	ng	-0.04
14) 2,4,6-Tribromophenol	15.94	330	105	0.03	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	257	0.01	ng	-0.02
25) Fluoranthene-d10	19.22	212	108	0.00	ng	0.00
29) Terphenyl-d14	19.82	244	617	0.01	ng	0.00

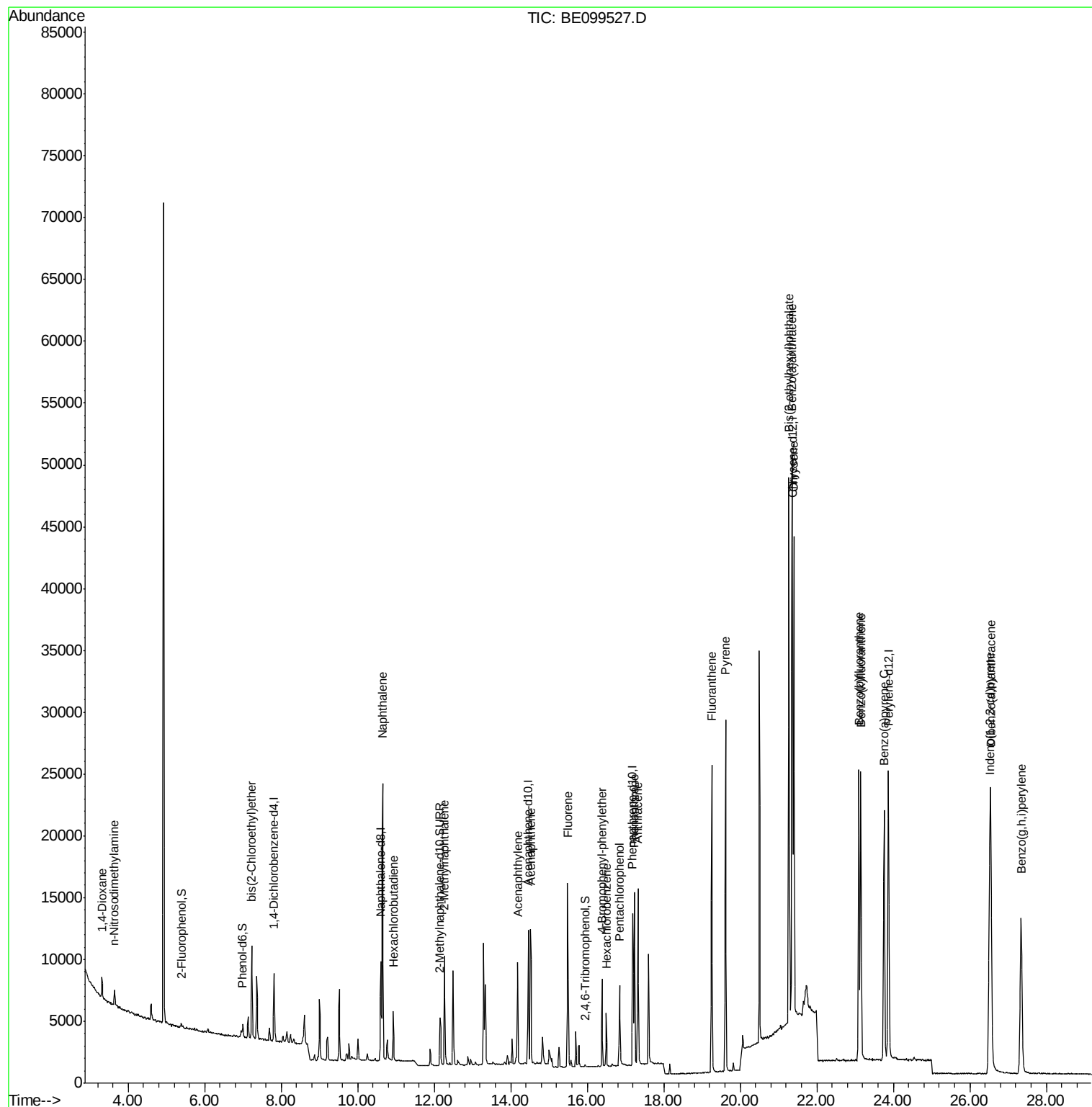
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	1192	0.298	ng	# 74
3) n-Nitrosodimethylamine	3.63	42	978	0.406	ng	# 92
6) bis(2-Chloroethyl)ether	7.23	93	2957	0.321	ng	98
9) Naphthalene	10.65	128	37515	0.351	ng	100
10) Hexachlorobutadiene	10.93	225	2657	0.358	ng	99
12) 2-Methylnaphthalene	12.27	142	6169	0.332	ng	97
16) Acenaphthylene	14.18	152	10528	0.338	ng	99
17) Acenaphthene	14.51	154	6139	0.345	ng	99
18) Fluorene	15.49	166	8632	0.329	ng	98
20) 4-Bromophenyl-phenylether	16.39	248	3528	0.342	ng	94
21) Hexachlorobenzene	16.49	284	3432	0.349	ng	100
22) Pentachlorophenol	16.84	266	3677	0.837	ng	96
23) Phenanthrene	17.23	178	15402	0.337	ng	99
24) Anthracene	17.32	178	14970	0.344	ng	99
26) Fluoranthene	19.25	202	24905	0.364	ng	100
28) Pyrene	19.61	202	26891	0.346	ng	99
30) Benzo(a)anthracene	21.35	228	35397	0.373	ng	99
31) Chrysene	21.40	228	33726	0.363	ng	99
32) Bis(2-ethylhexyl)phthalate	21.27	149	50566	0.305	ng	100
33) Indeno(1,2,3-cd)pyrene	26.52	276	40895	0.372	ng	98
35) Benzo(b)fluoranthene	23.10	252	34587	0.342	ng	99
36) Benzo(k)fluoranthene	23.15	252	34651	0.356	ng	100
37) Benzo(a)pyrene	23.76	252	34265	0.359	ng	99
38) Dibenzo(a,h)anthracene	26.55	278	34116	0.349	ng	98
39) Benzo(g,h,i)perylene	27.34	276	34733	0.355	ng	99

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

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QLast Update : Mon Apr 29 18:36:43 2019
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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: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

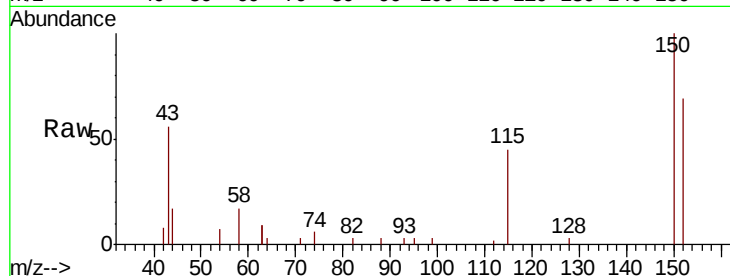
Tot Ion:152 Resp: 2908

Ion Ratio Lower Upper

152 100

150 144.9 104.8 157.2

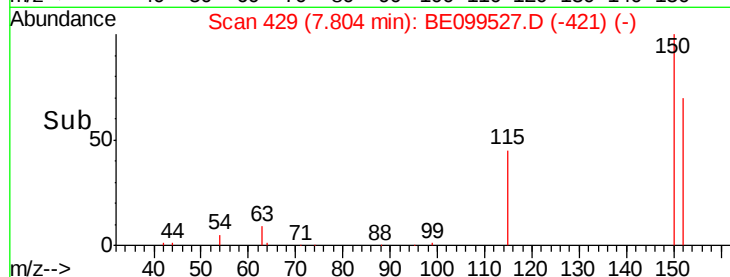
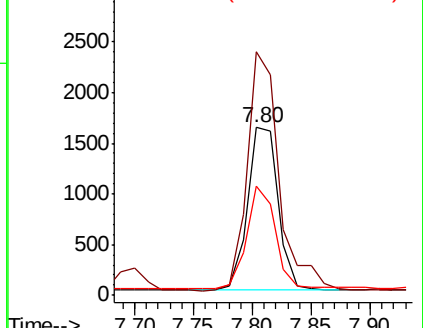
115 65.3 46.6 69.8



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: 0.298 ng

RT: 3.31 min Scan# 39

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

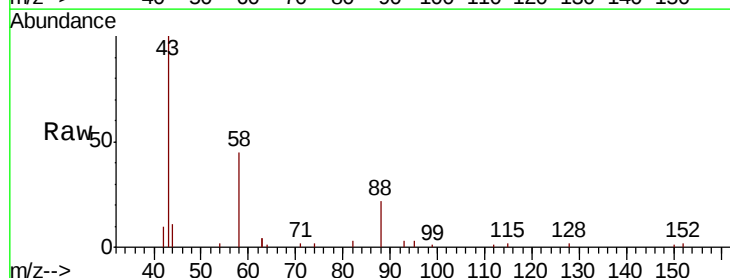
Tgt Ion: 88 Resp: 1192

Ion Ratio Lower Upper

88 100

58 75.8 51.0 76.6

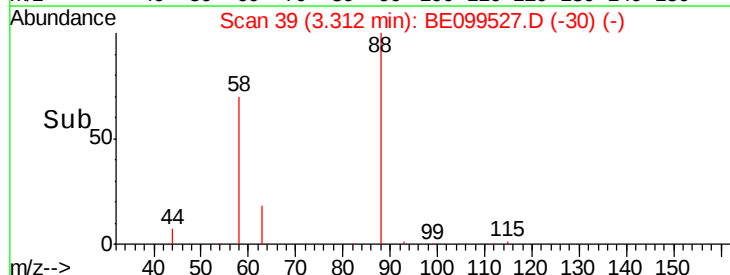
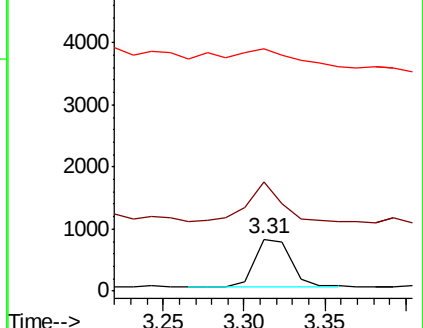
43 51.9 20.6 30.8#



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: 0.406 ng

RT: 3.63 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampled :

SP4722

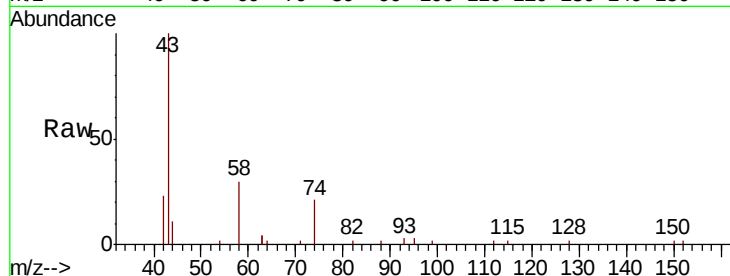
Tot Ion: 42 Resp: 978

Ion Ratio Lower Upper

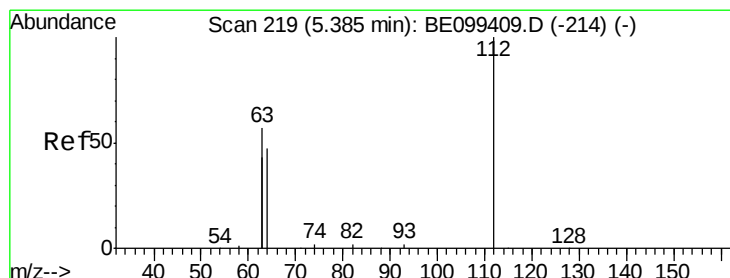
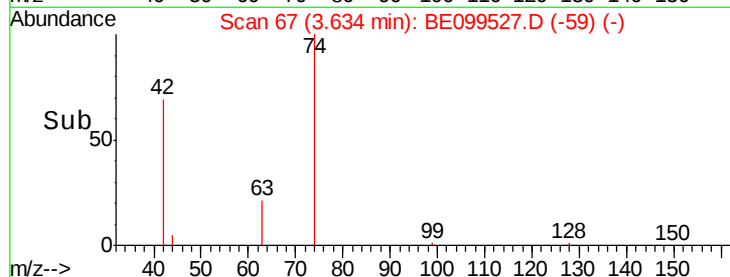
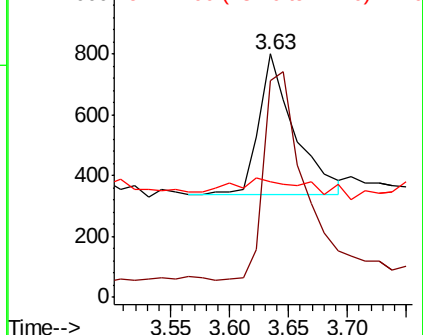
42 100

74 165.4 141.6 212.4

44 0.0 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: 0.024 ng

RT: 5.38 min Scan# 219

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

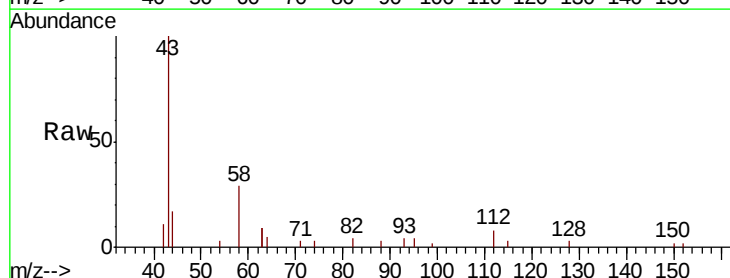
Tgt Ion: 112 Resp: 194

Ion Ratio Lower Upper

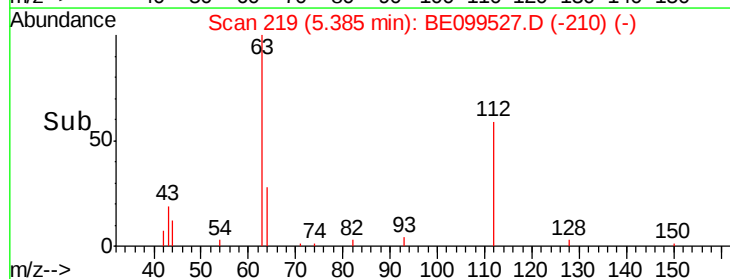
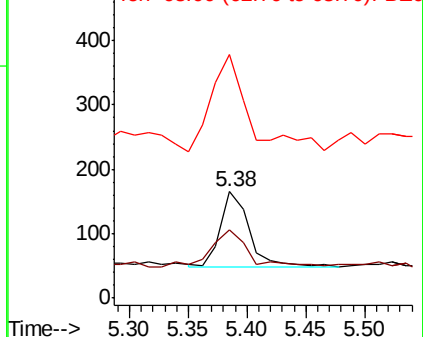
112 100

64 67.5 47.4 71.0

63 145.9 104.3 156.5



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: 0.025 ng

RT: 6.97 min Scan# 357

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

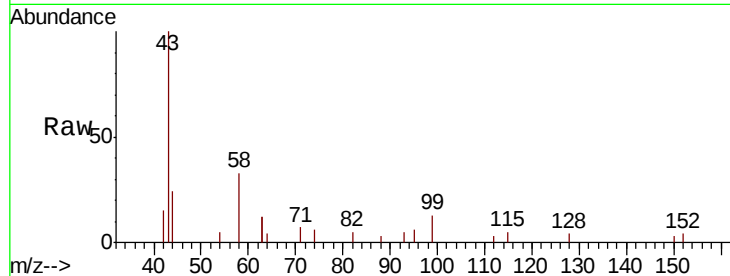
Tot Ion: 99 Resp: 270

Ion Ratio Lower Upper

99 100

42 38.5 14.9 22.3#

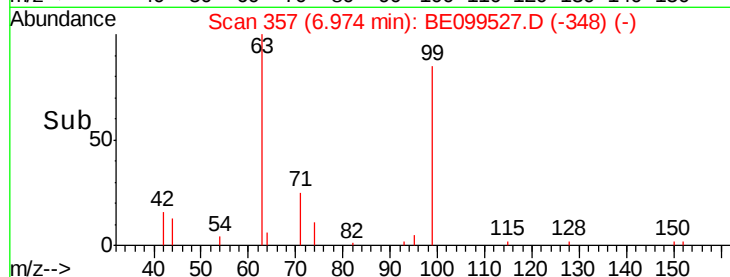
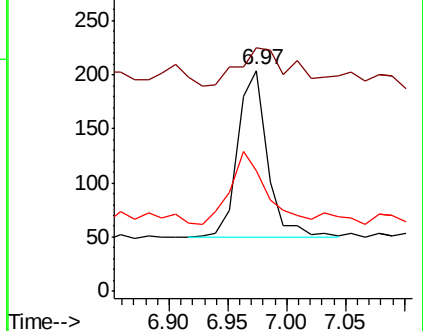
71 51.9 33.0 49.6#



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: 0.321 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

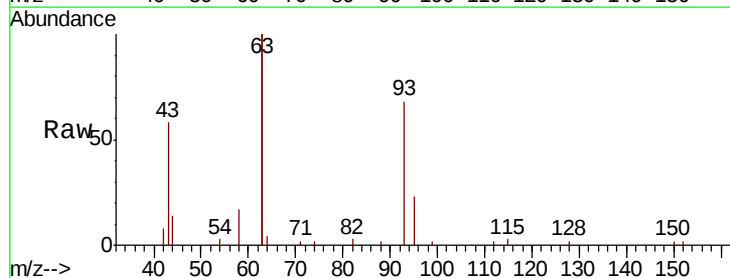
Tgt Ion: 93 Resp: 2957

Ion Ratio Lower Upper

93 100

63 273.2 215.6 323.4

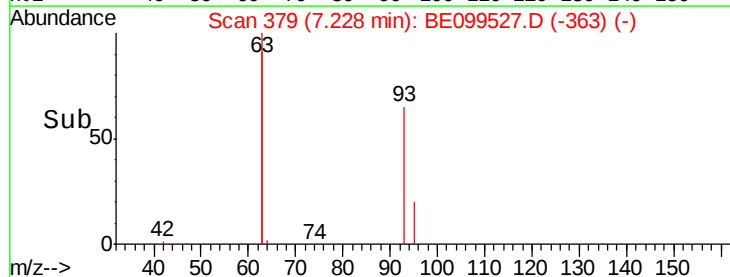
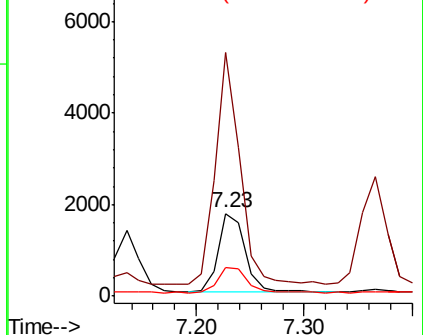
95 34.9 26.2 39.2

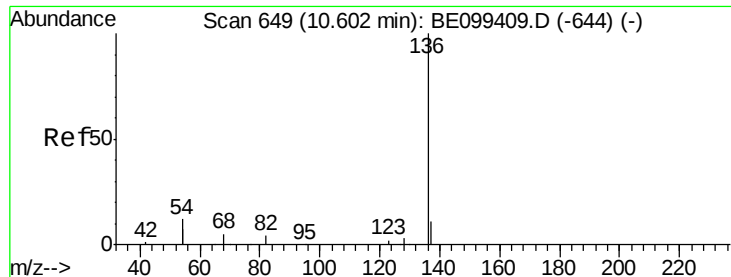


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampled :

SP4722

Tot Ion:136 Resp: 9802

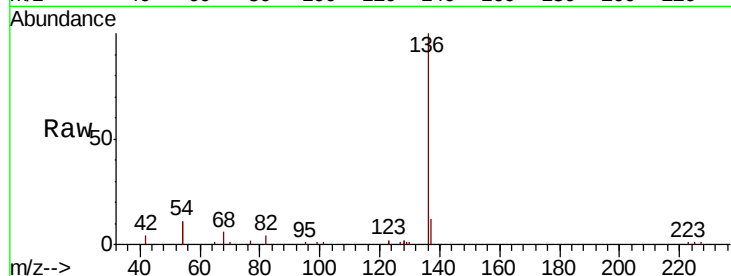
Ion Ratio Lower Upper

136 100

137 11.6 9.8 14.8

54 21.4 18.5 27.7

68 6.2 4.7 7.1

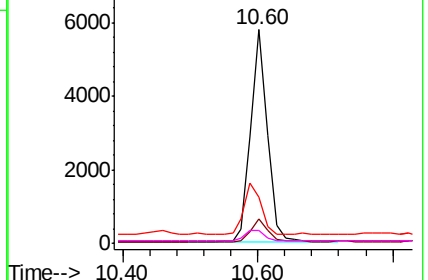
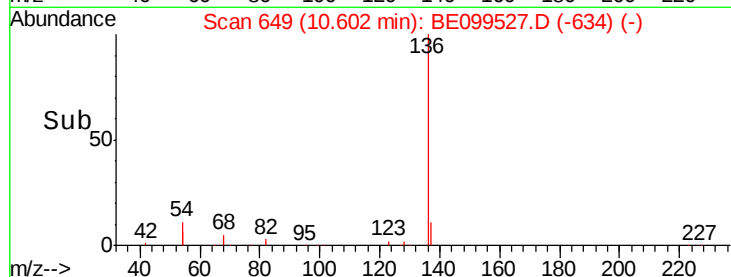


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.019 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

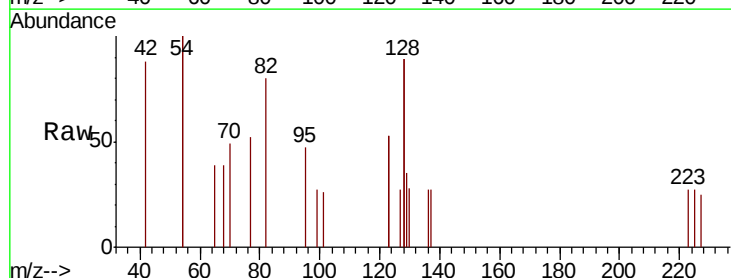
Tgt Ion: 82 Resp: 171

Ion Ratio Lower Upper

82 100

128 224.3 107.0 160.4#

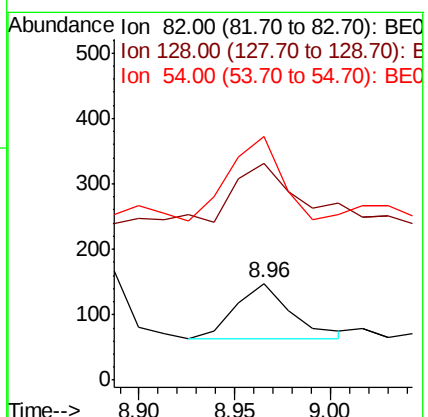
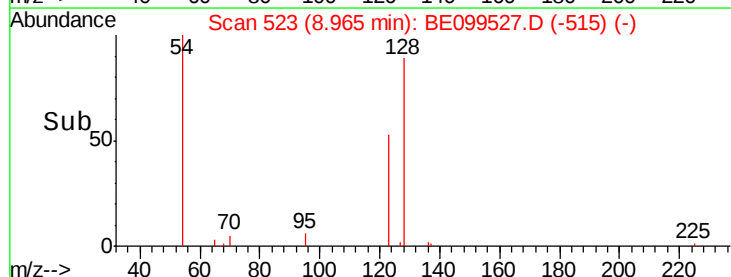
54 251.4 113.1 169.7#

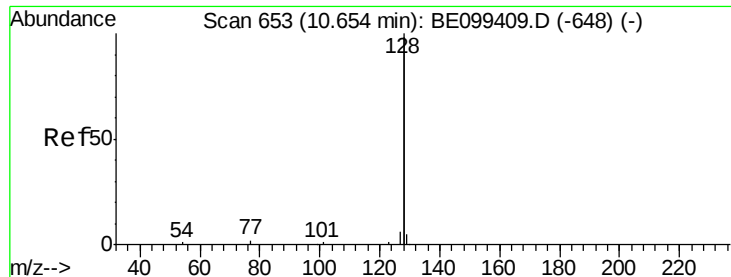


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.351 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampled :

SP4722

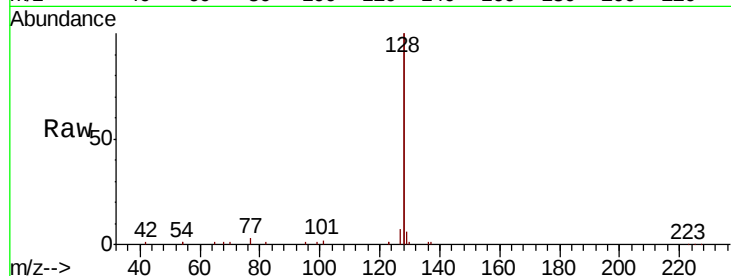
Tot Ion:128 Resp: 37515

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

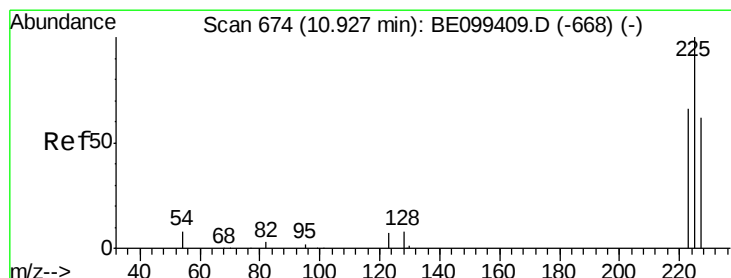
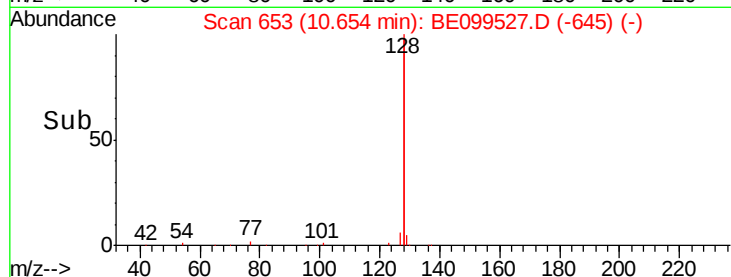
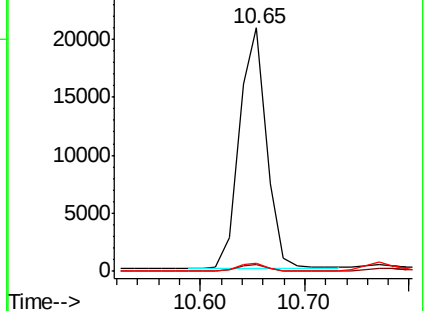
127 3.5 2.8 4.2



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: 0.358 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

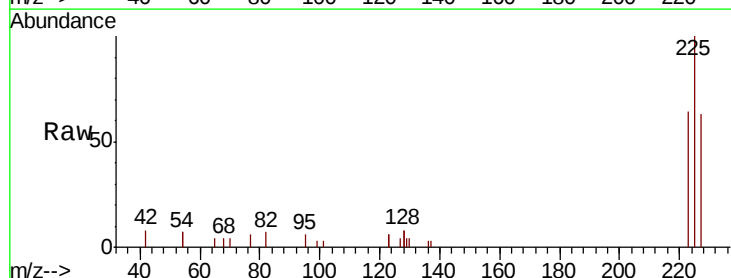
Tgt Ion:225 Resp: 2657

Ion Ratio Lower Upper

225 100

223 65.1 51.0 76.6

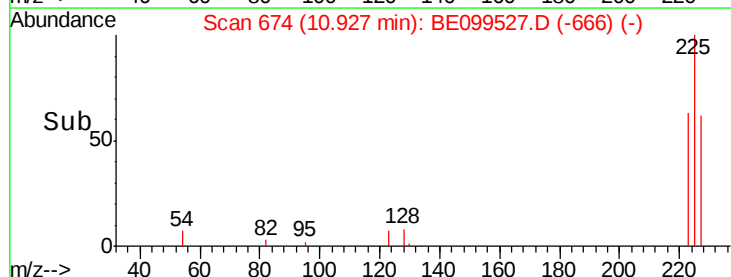
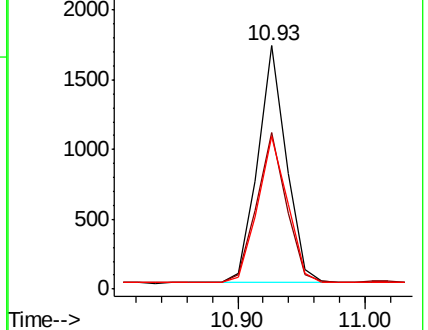
227 64.6 50.9 76.3

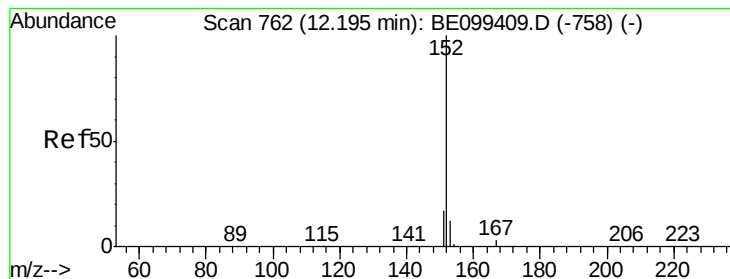


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.150 ng

RT: 12.15 min Scan# 759

Delta R.T. -0.04 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

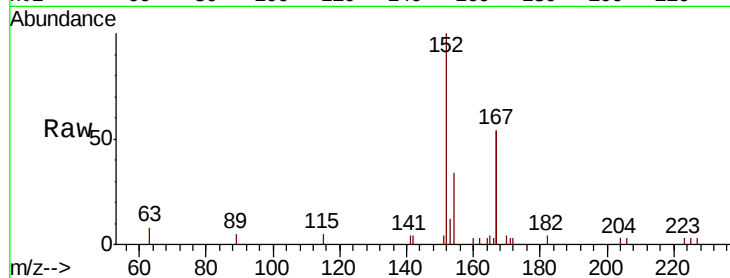
SP4722

Tot Ion:152 Resp: 2656

Ion Ratio Lower Upper

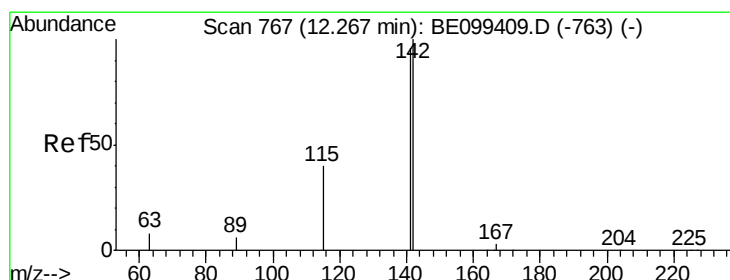
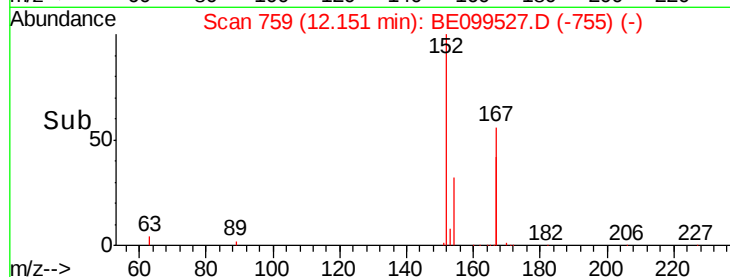
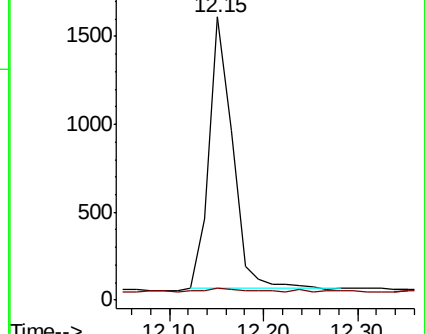
152 100

151 1.1 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.332 ng

RT: 12.27 min Scan# 767

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

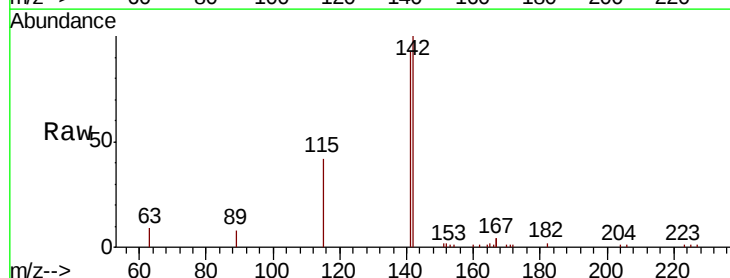
Tgt Ion:142 Resp: 6169

Ion Ratio Lower Upper

142 100

141 93.0 77.0 115.4

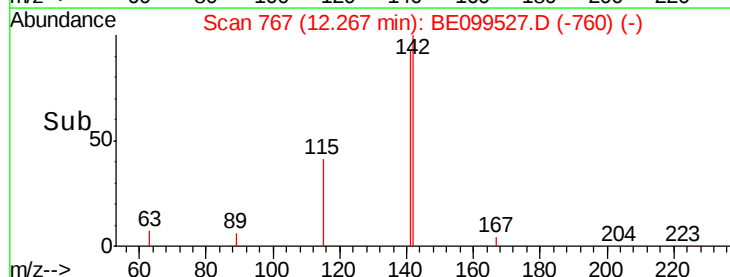
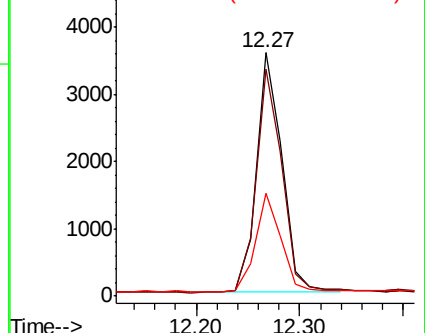
115 42.3 33.4 50.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

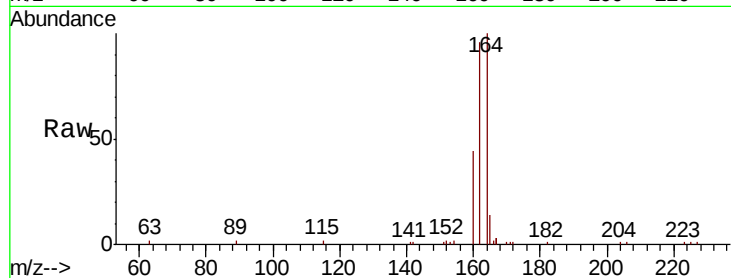




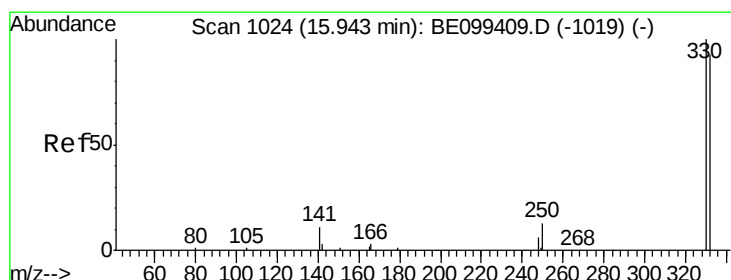
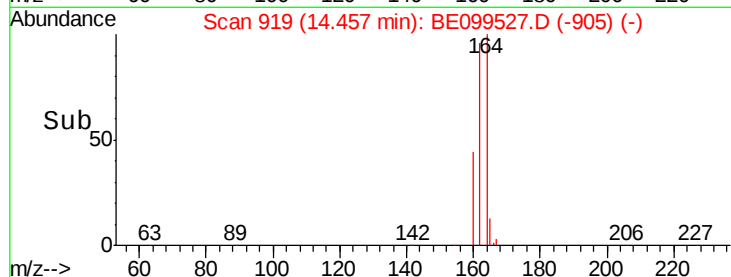
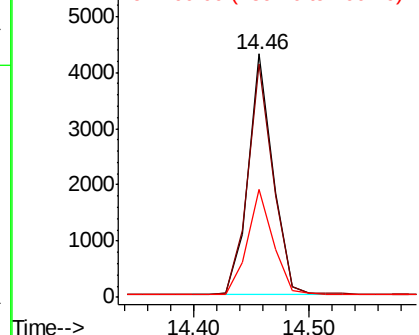
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tot Ion:164 Resp: 6367
Ion Ratio Lower Upper
164 100
162 95.8 79.0 118.4
160 44.2 37.0 55.4

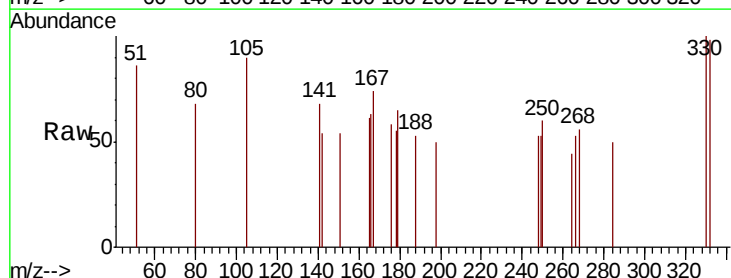


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

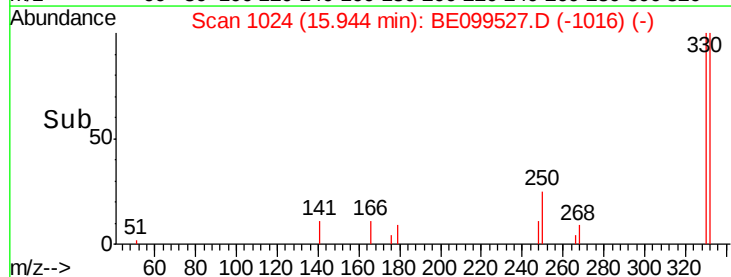
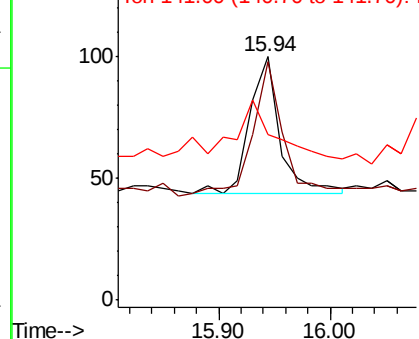


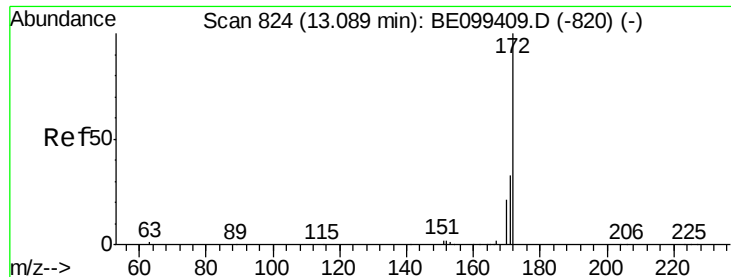
#14
2,4,6-Tribromophenol
Concen: 0.026 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:330 Resp: 105
Ion Ratio Lower Upper
330 100
332 93.3 71.5 107.3
141 52.4 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

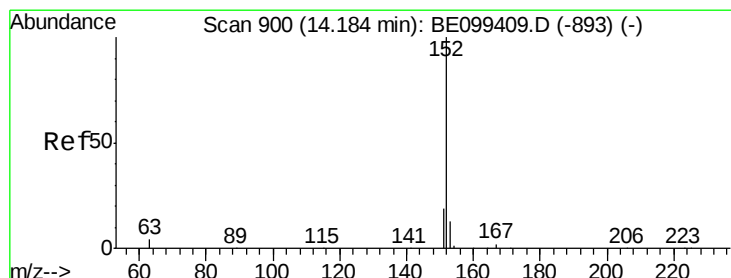
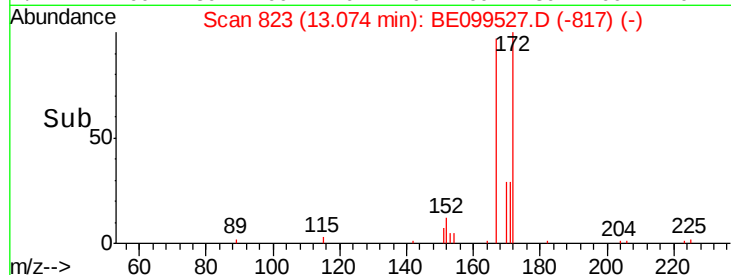
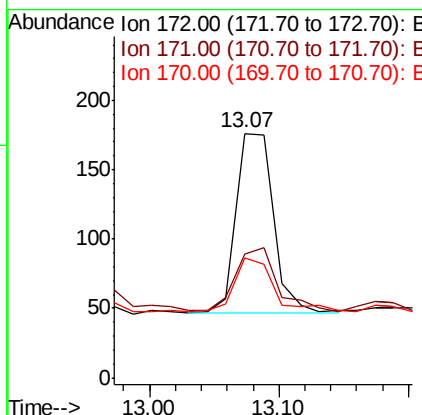
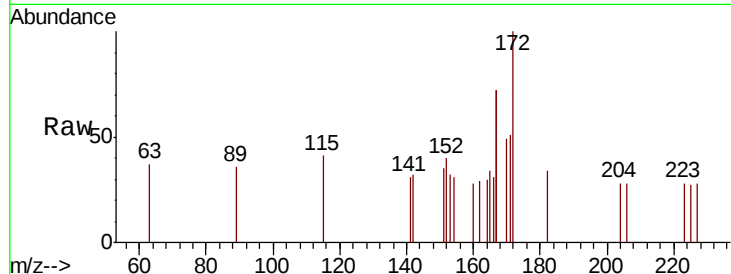




#15
2-Fluorobiphenyl
Concen: 0.011 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

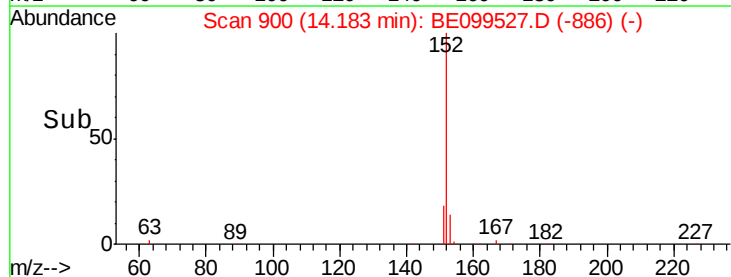
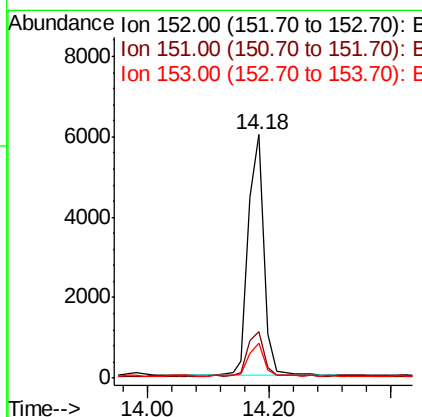
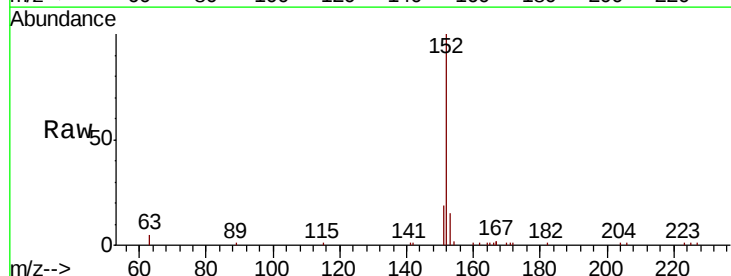
Instrument :
BNA_E
ClientSampleId :
SP4722

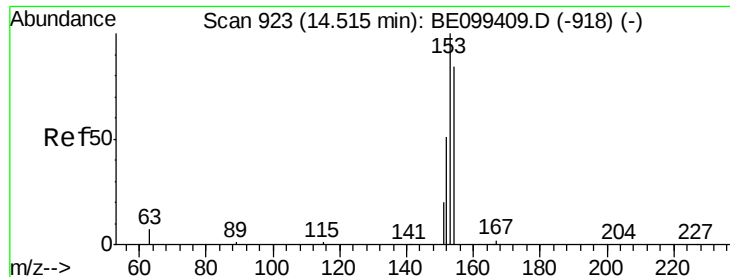
Tot Ion:172 Resp: 257
Ion Ratio Lower Upper
172 100
171 50.6 26.6 39.8#
170 48.9 17.0 25.6#



#16
Acenaphthylene
Concen: 0.338 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:152 Resp: 10528
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2
153 13.4 9.8 14.6





#17

Acenaphthene

Concen: 0.345 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampled :

SP4722

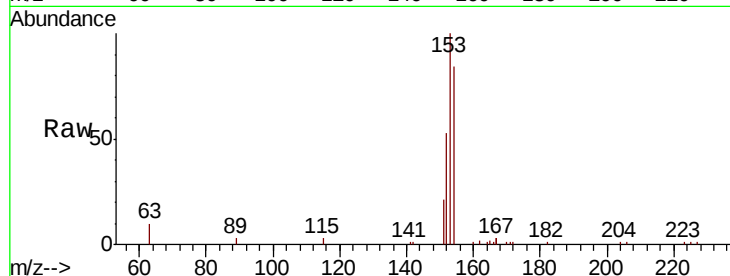
Tot Ion:154 Resp: 6139

Ion Ratio Lower Upper

154 100

153 115.0 92.6 138.8

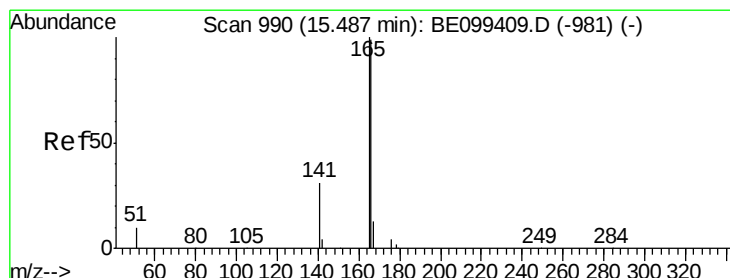
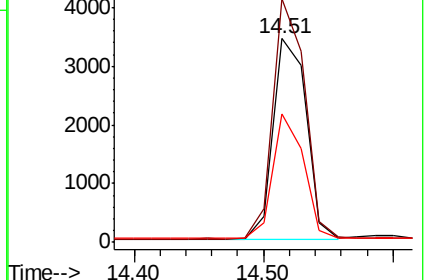
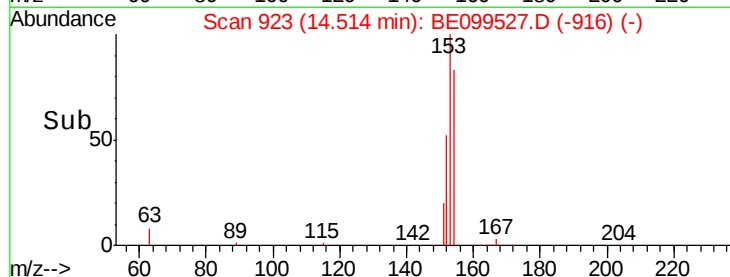
152 57.5 45.8 68.8



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: 0.329 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

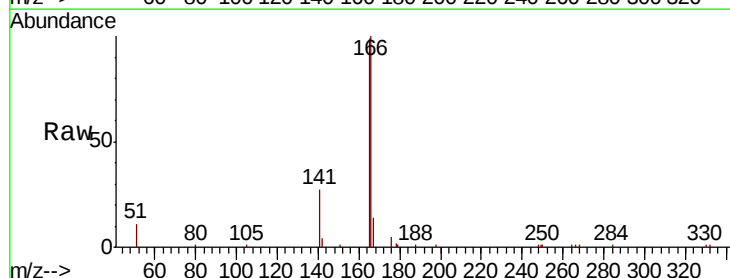
Tgt Ion:166 Resp: 8632

Ion Ratio Lower Upper

166 100

165 97.8 80.3 120.5

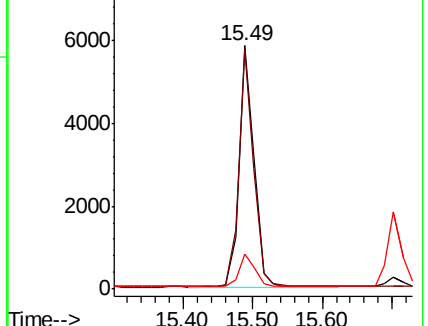
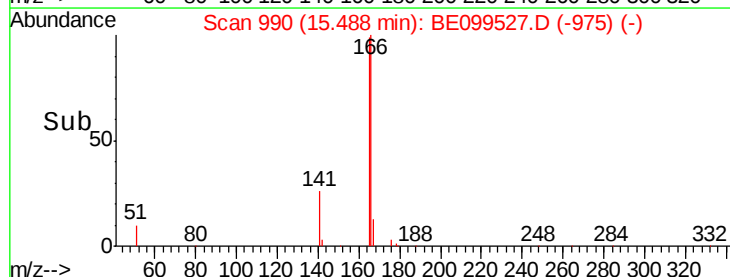
167 13.9 10.7 16.1

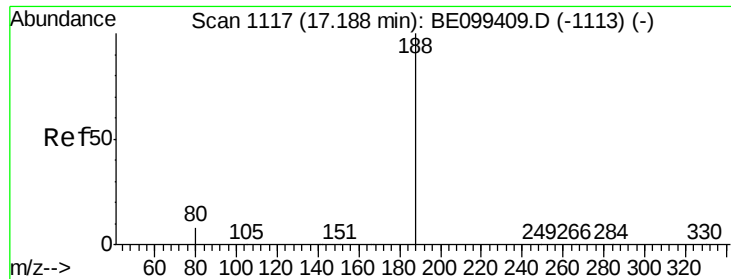


Abundance Ion 166.00 (165.70 to 166.70): E

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: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

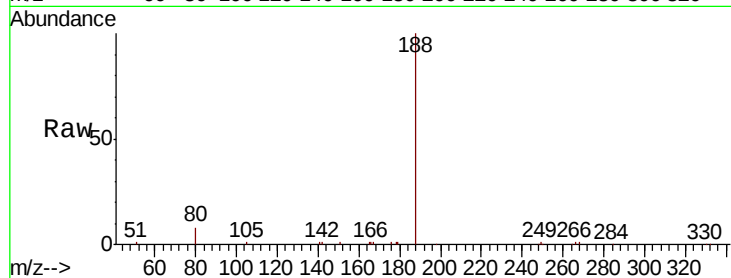
Tot Ion:188 Resp: 17719

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

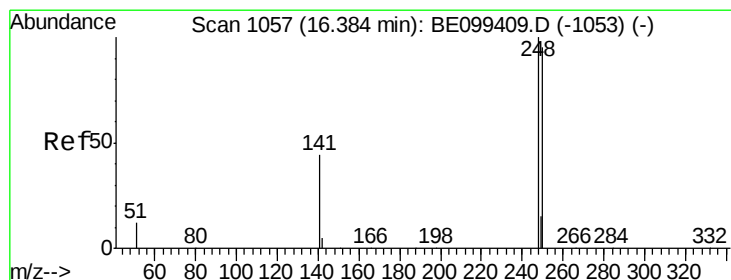
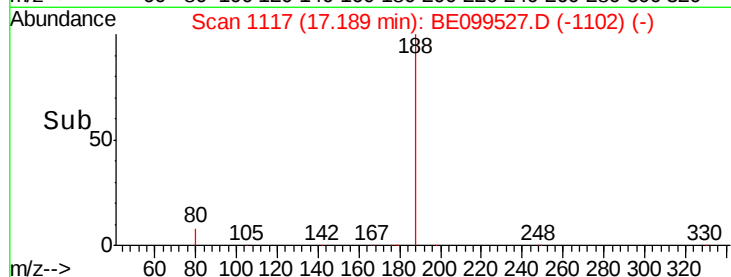
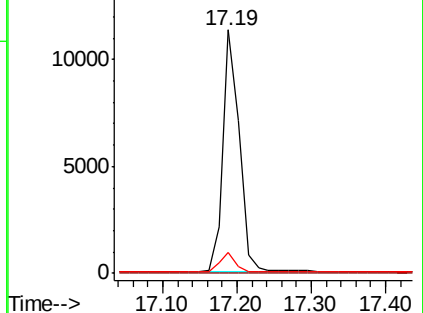
80 8.4 6.7 10.1



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: 0.342 ng

RT: 16.39 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

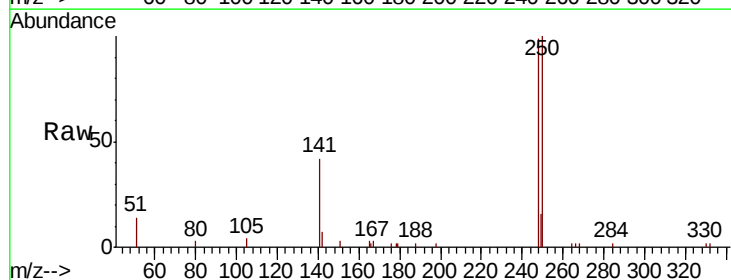
Tgt Ion:248 Resp: 3528

Ion Ratio Lower Upper

248 100

250 101.2 75.8 113.8

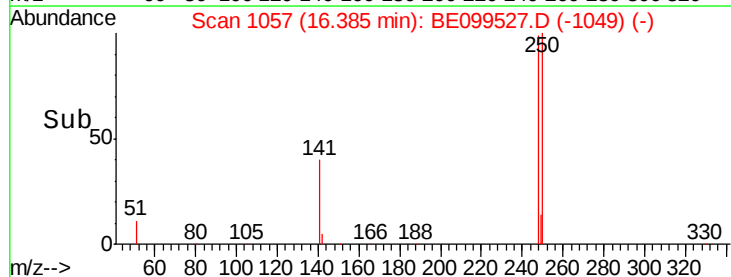
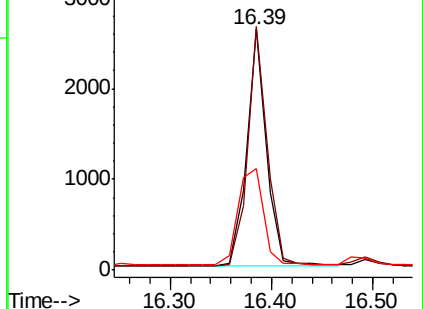
141 42.1 35.7 53.5

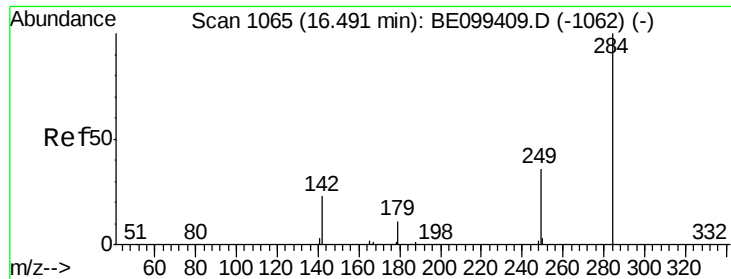


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

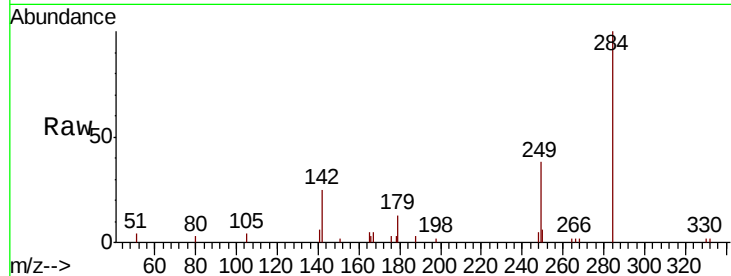




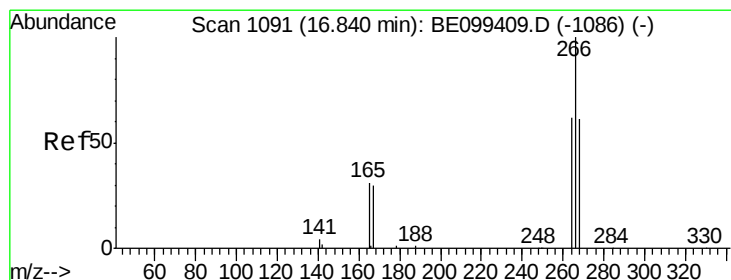
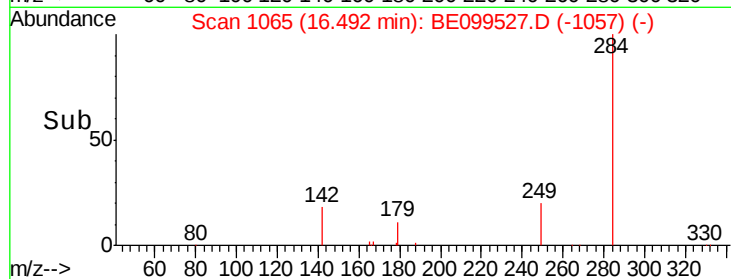
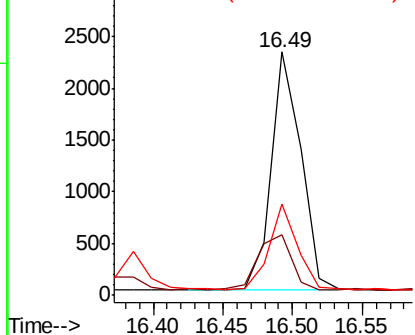
#21
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tot Ion:284 Resp: 3432
Ion Ratio Lower Upper
284 100
142 26.0 21.0 31.6
249 33.5 26.7 40.1

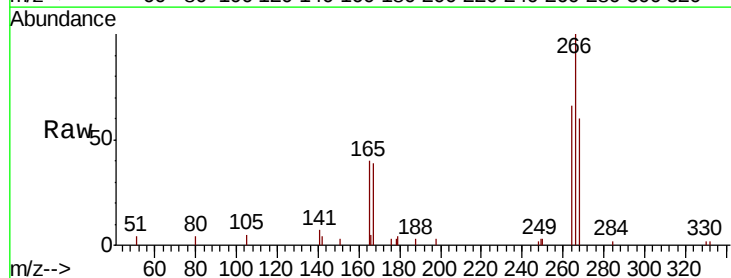


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

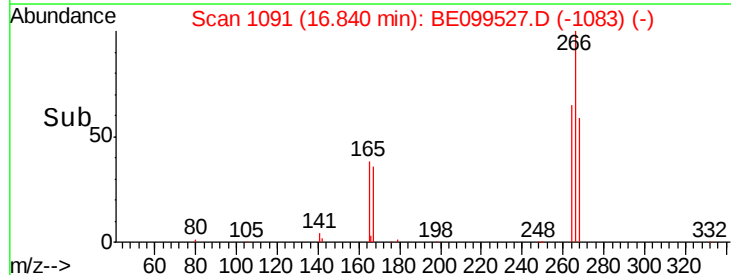
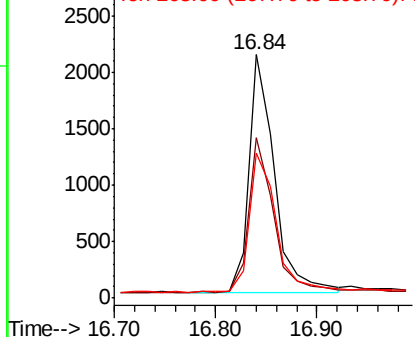


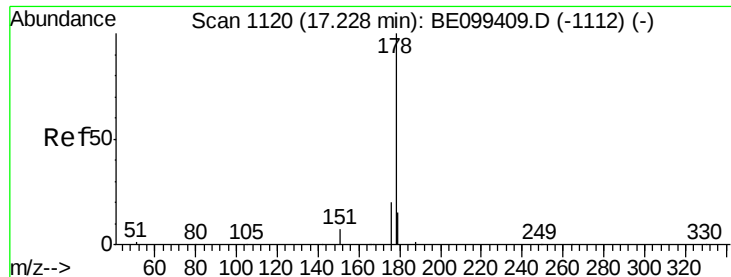
#22
Pentachlorophenol
Concen: 0.837 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:266 Resp: 3677
Ion Ratio Lower Upper
266 100
264 65.7 50.8 76.2
268 59.8 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: 0.337 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampled :

SP4722

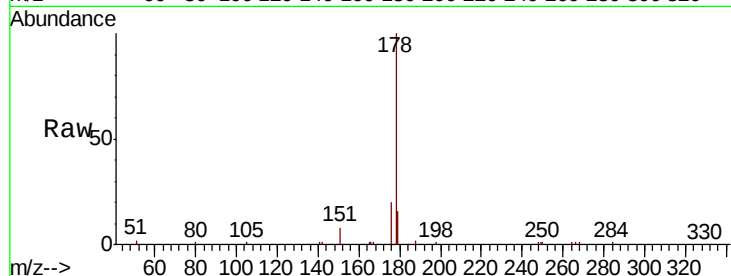
Tot Ion:178 Resp: 15402

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

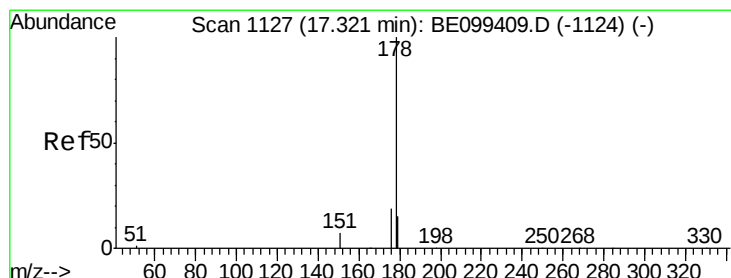
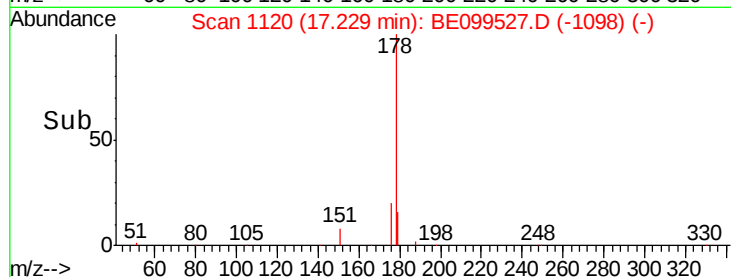
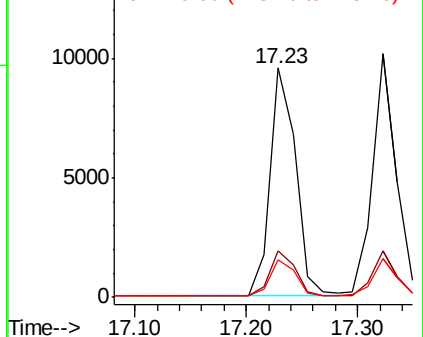
179 16.0 12.0 18.0



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: 0.344 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

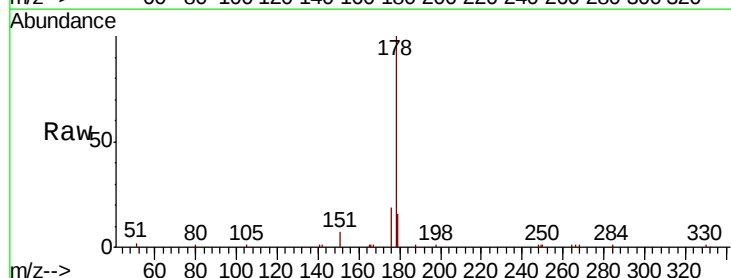
Tgt Ion:178 Resp: 14970

Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

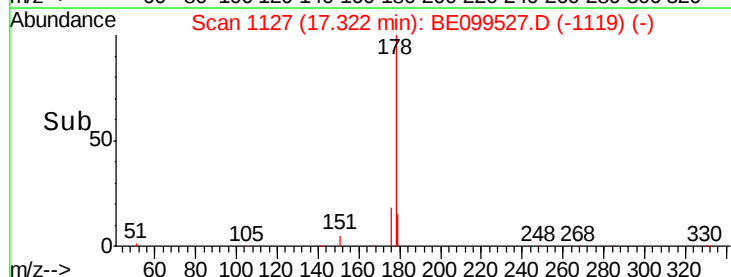
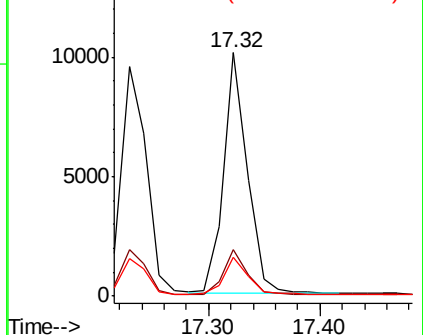
179 15.5 11.9 17.9

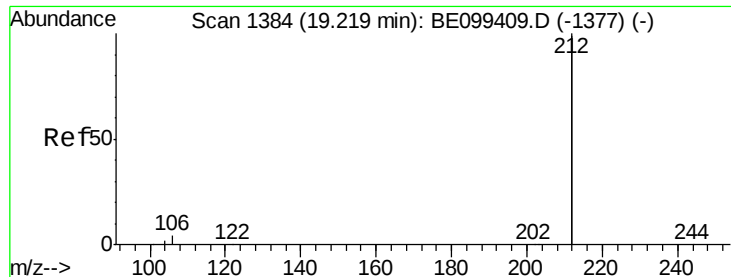


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.000 ng

RT: 19.22 min Scan# 1385

Delta R.T. 0.01 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

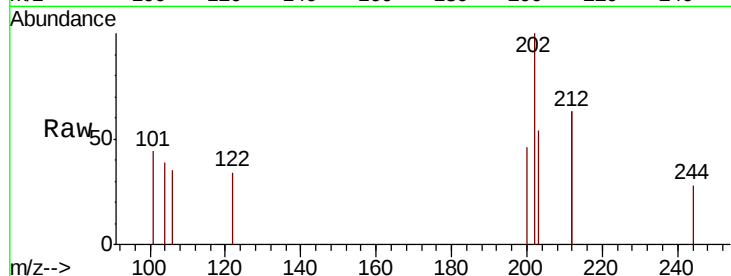
Tot Ion:212 Resp: 108

Ion Ratio Lower Upper

212 100

106 12.0 1.5 2.3#

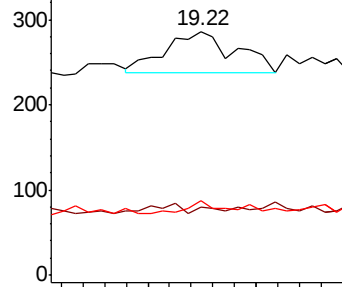
104 15.7 0.9 1.3#



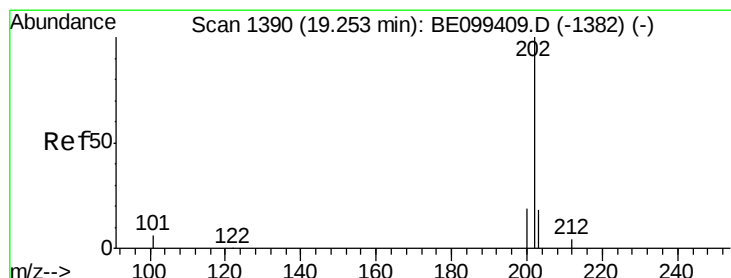
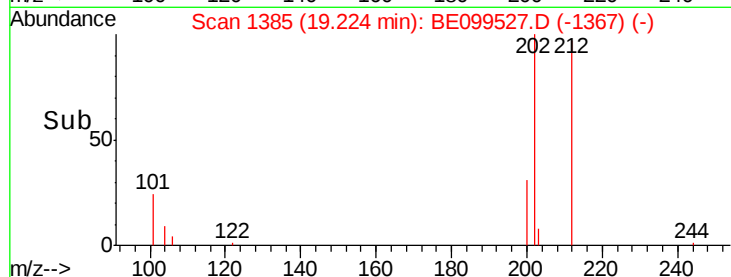
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time-->



#26

Fluoranthene

Concen: 0.364 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

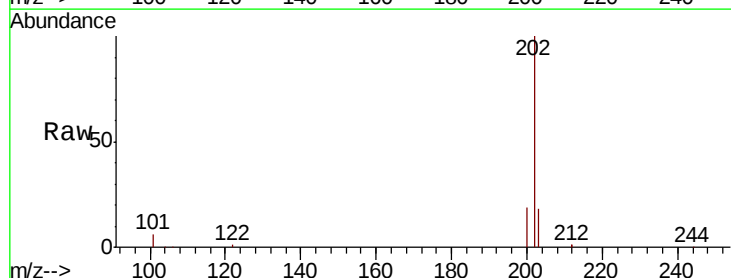
Tgt Ion:202 Resp: 24905

Ion Ratio Lower Upper

202 100

101 6.6 5.4 8.0

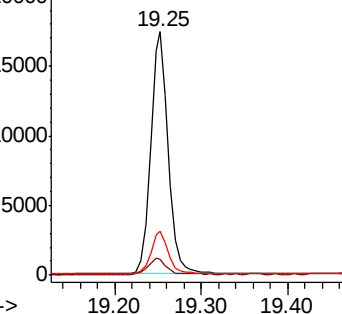
203 17.2 13.9 20.9



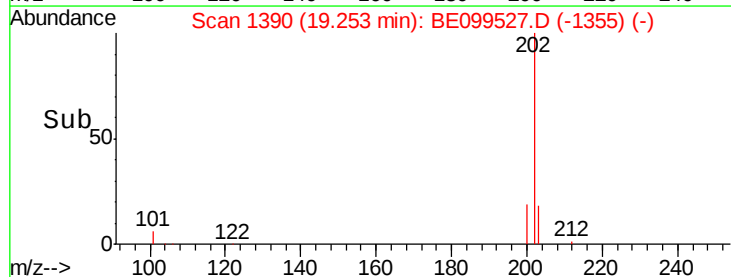
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

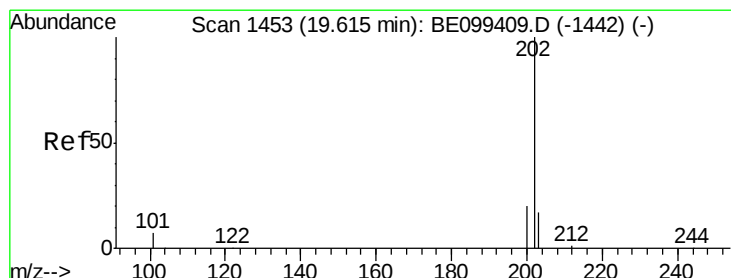
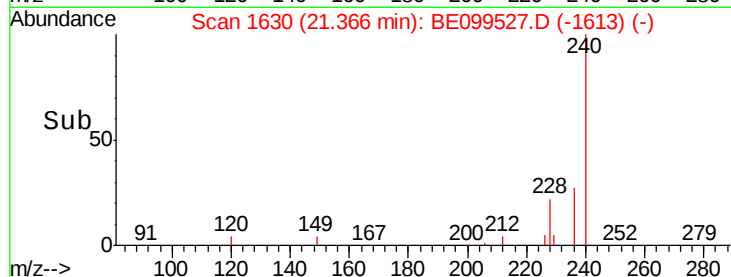
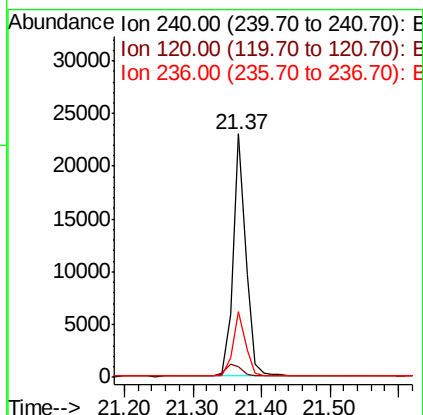
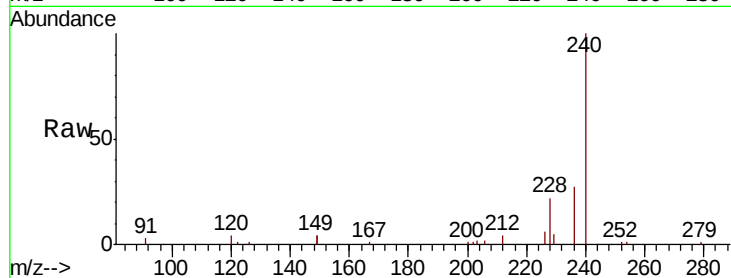




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

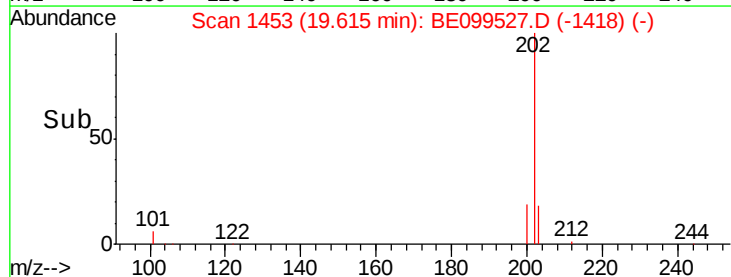
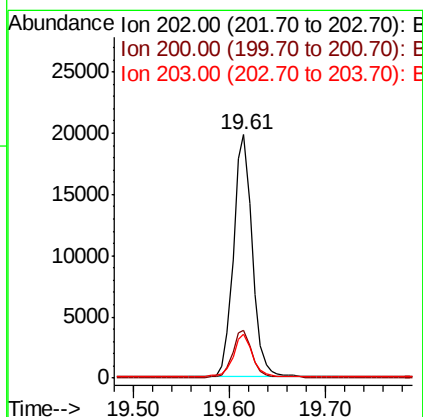
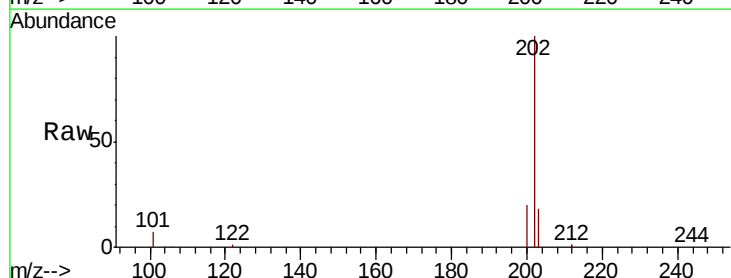
Instrument :
BNA_E
ClientSampleId :
SP4722

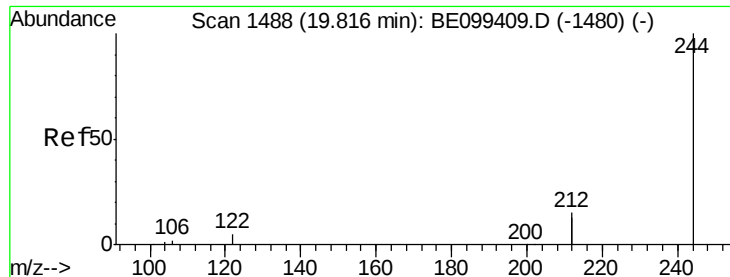
Tot Ion:240 Resp: 29824
Ion Ratio Lower Upper
240 100
120 4.3 4.0 6.0
236 27.2 22.0 33.0



#28
Pyrene
Concen: 0.346 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:202 Resp: 26891
Ion Ratio Lower Upper
202 100
200 19.5 15.7 23.5
203 18.1 13.9 20.9





#29

Terphenyl-d14

Concen: 0.011 ng

RT: 19.82 min Scan# 1488

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

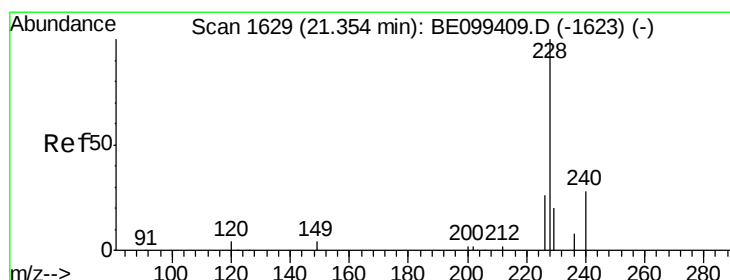
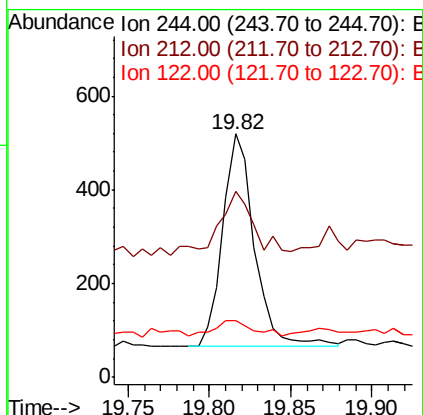
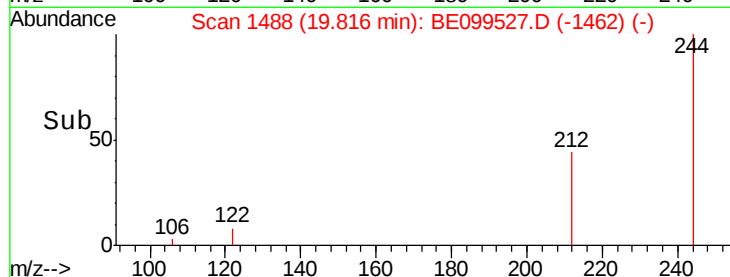
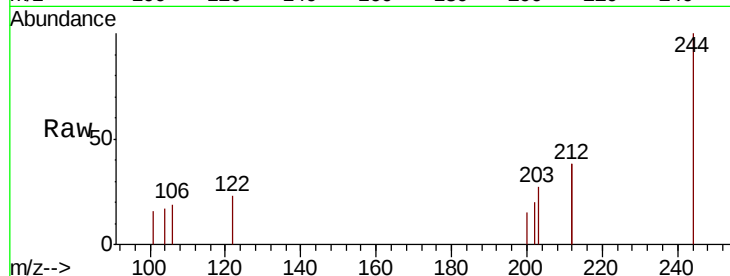
Tot Ion:244 Resp: 617

Ion Ratio Lower Upper

244 100

212 76.3 23.2 34.8#

122 23.1 4.2 6.4#



#30

Benzo(a)anthracene

Concen: 0.373 ng

RT: 21.35 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

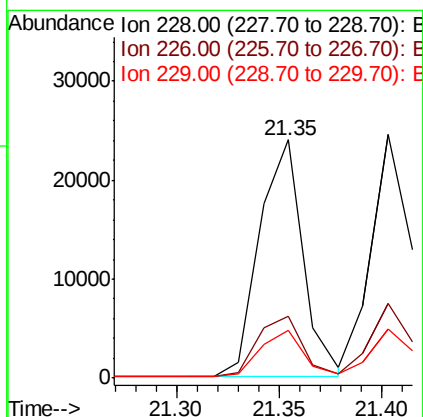
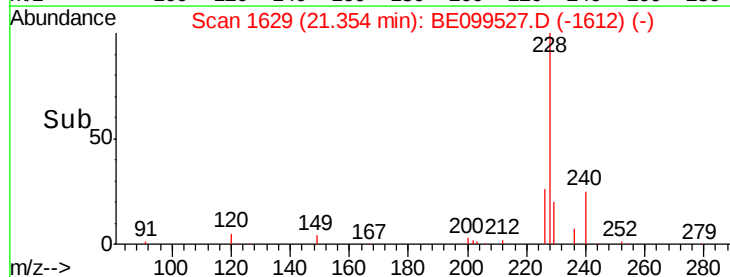
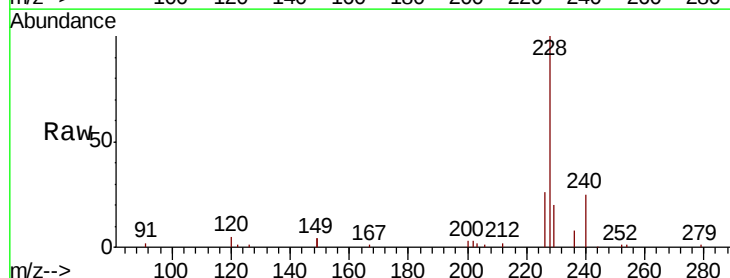
Tgt Ion:228 Resp: 35397

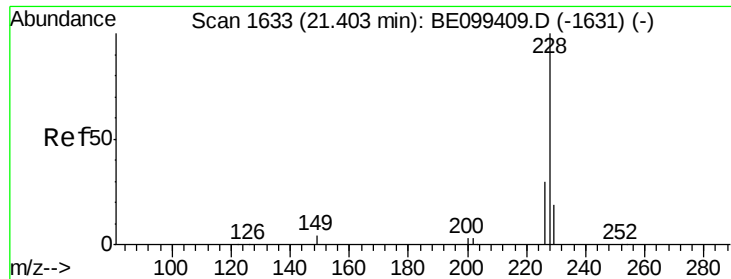
Ion Ratio Lower Upper

228 100

226 26.0 21.0 31.6

229 20.3 16.6 25.0





#31

Chrysene

Concen: 0.363 ng

RT: 21.40 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

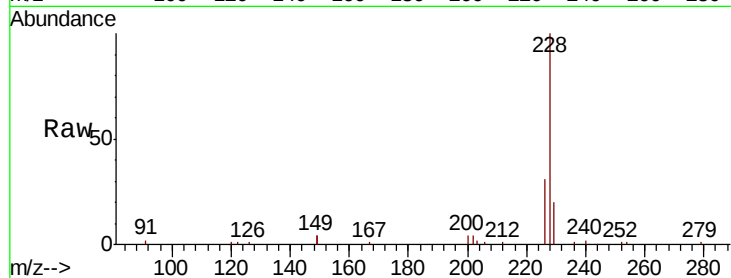
Tot Ion:228 Resp: 33726

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

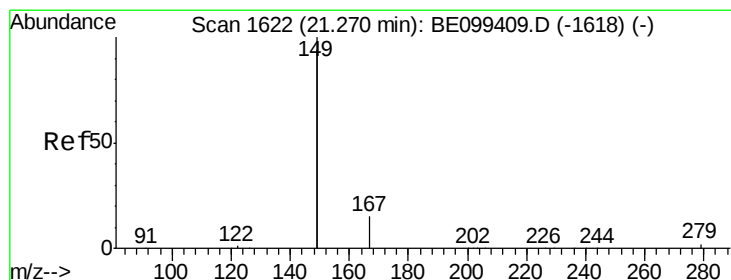
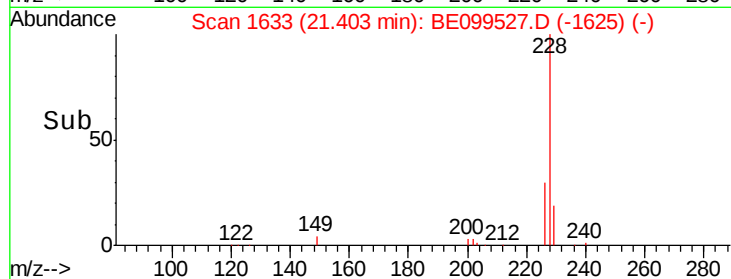
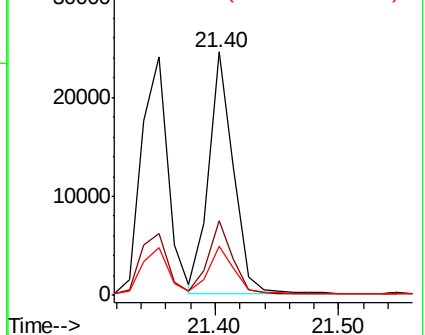
229 19.9 15.8 23.8



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: 0.305 ng

RT: 21.27 min Scan# 1622

Delta R.T. 0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

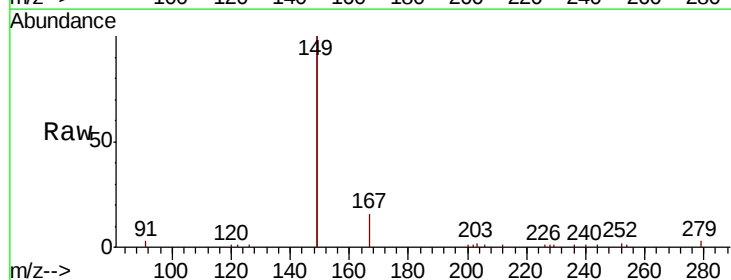
Tgt Ion:149 Resp: 50566

Ion Ratio Lower Upper

149 100

167 7.3 5.8 8.6

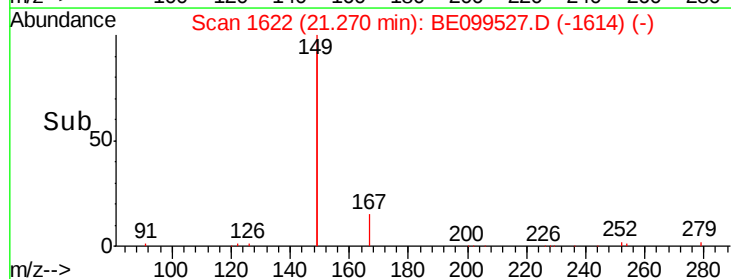
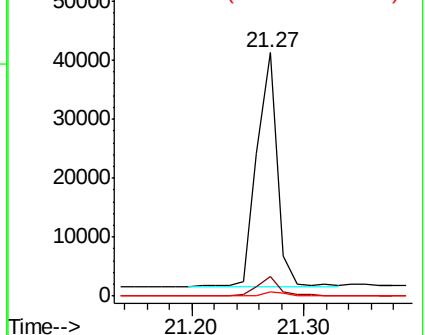
279 1.5 1.0 1.6

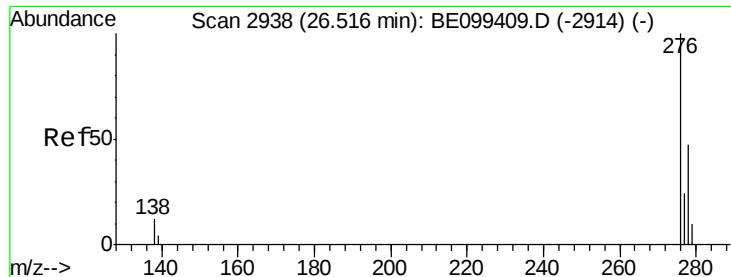


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.372 ng

RT: 26.52 min Scan# 2938

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

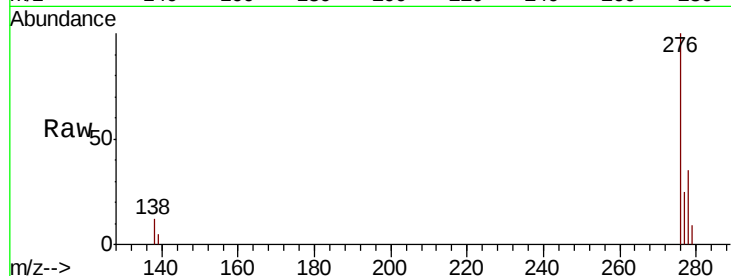
Tot Ion:276 Resp: 40895

Ion Ratio Lower Upper

276 100

138 11.8 10.2 15.2

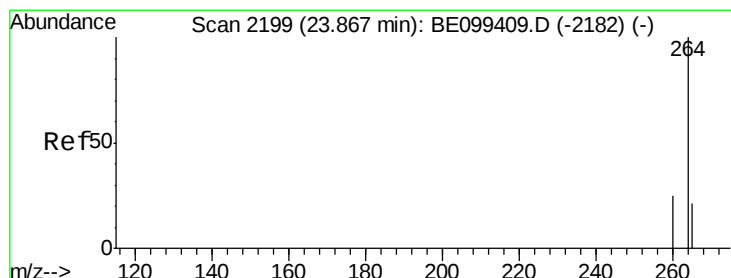
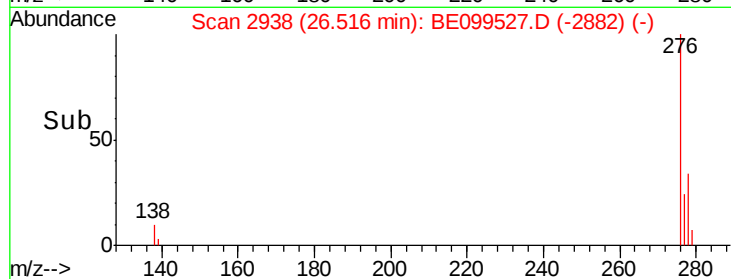
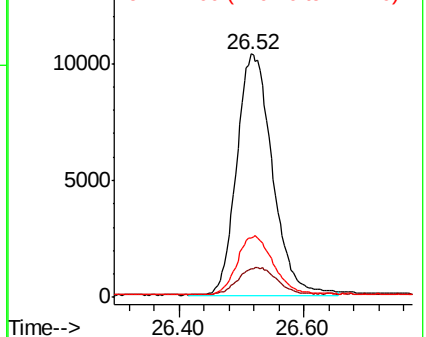
277 24.7 19.2 28.8



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# 2201

Delta R.T. 0.01 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

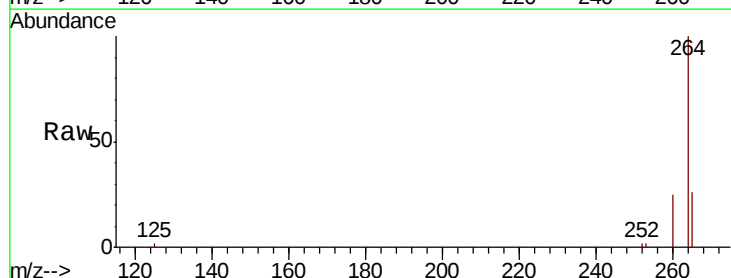
Tgt Ion:264 Resp: 35055

Ion Ratio Lower Upper

264 100

260 25.0 20.2 30.2

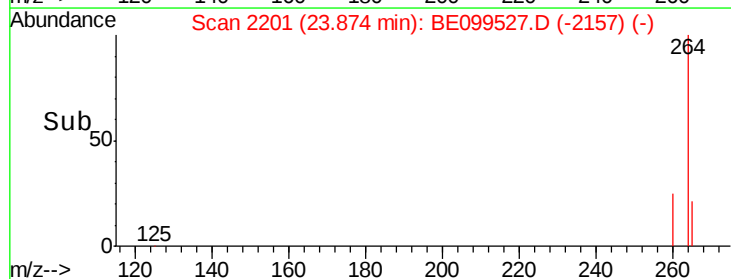
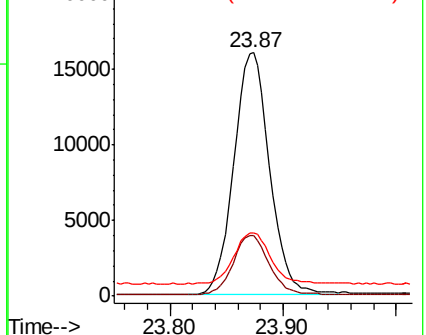
265 25.7 21.3 31.9



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: 0.342 ng

RT: 23.10 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

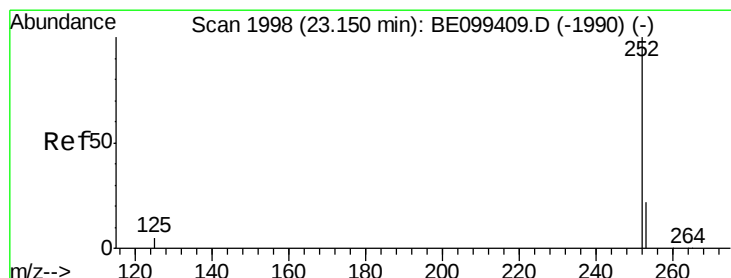
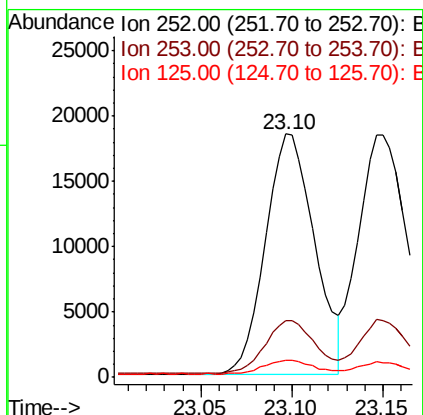
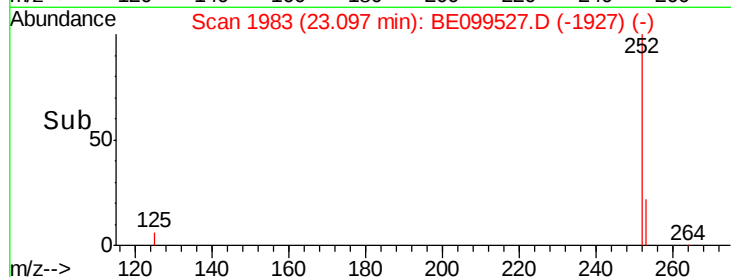
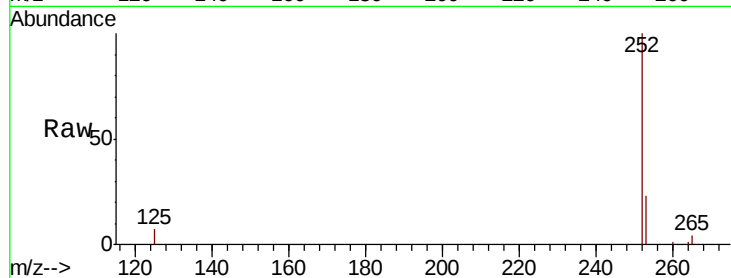
Tot Ion:252 Resp: 34587

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

125 7.1 5.6 8.4



#36

Benzo(k)fluoranthene

Concen: 0.356 ng

RT: 23.15 min Scan# 1998

Delta R.T. -0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

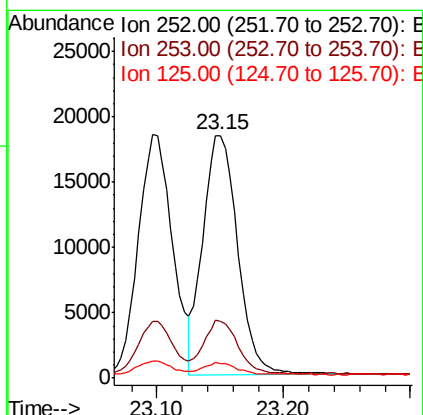
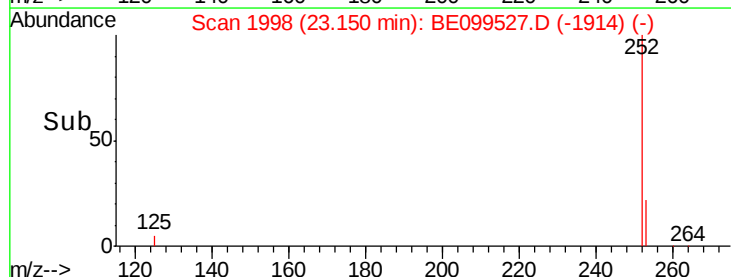
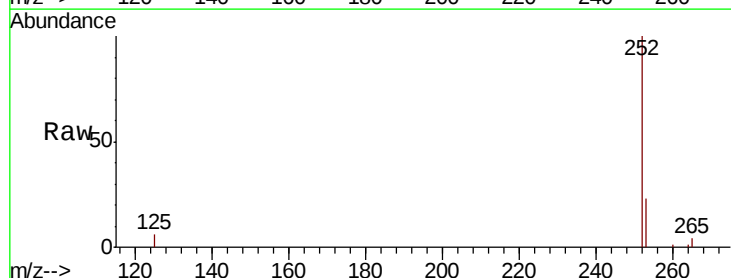
Tgt Ion:252 Resp: 34651

Ion Ratio Lower Upper

252 100

253 23.2 18.4 27.6

125 6.2 5.0 7.4

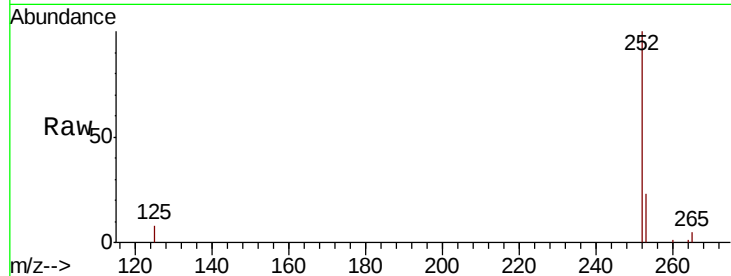




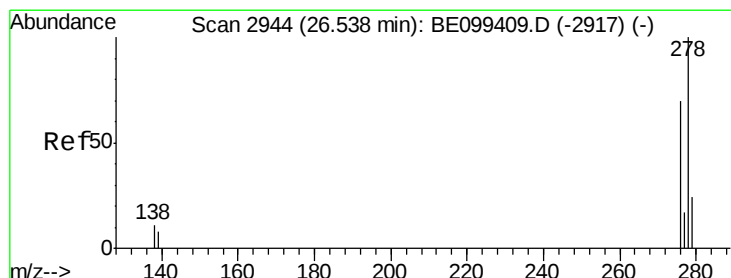
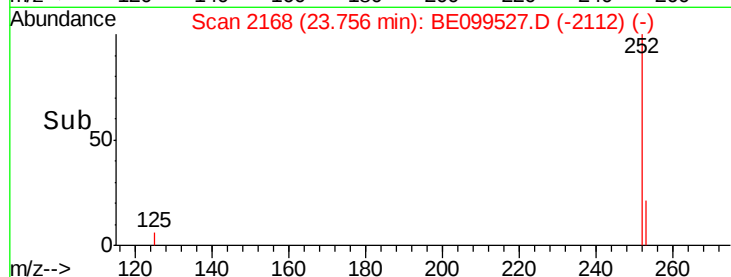
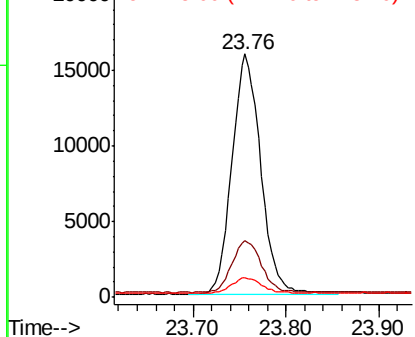
#37
Benzo(a)pyrene
Concen: 0.359 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Instrument :
BNA_E
ClientSampleId :
SP4722

Tot Ion:252 Resp: 34265
Ion Ratio Lower Upper
252 100
253 23.1 18.9 28.3
125 7.8 6.7 10.1

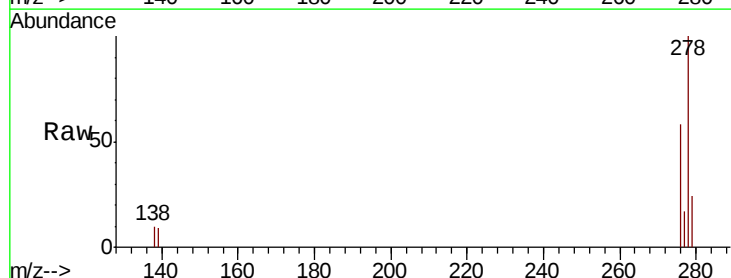


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

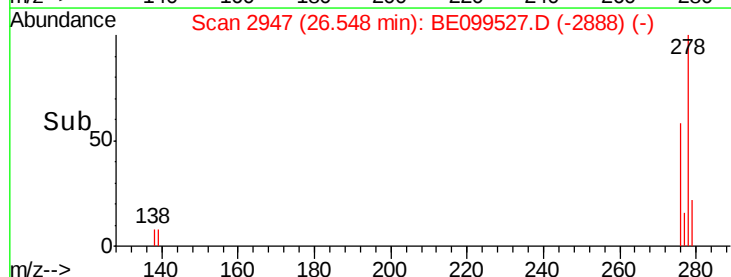
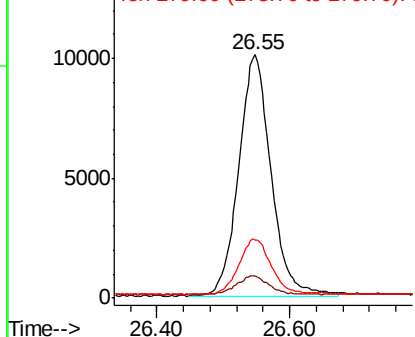


#38
Dibenzo(a,h)anthracene
Concen: 0.349 ng
RT: 26.55 min Scan# 2947
Delta R.T. 0.01 min
Lab File: BE099527.D
Acq: 3 May 2019 12:06

Tgt Ion:278 Resp: 34116
Ion Ratio Lower Upper
278 100
139 9.2 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: 0.355 ng

RT: 27.34 min Scan# 3168

Delta R.T. 0.00 min

Lab File: BE099527.D

Acq: 3 May 2019 12:06

Instrument :

BNA_E

ClientSampleId :

SP4722

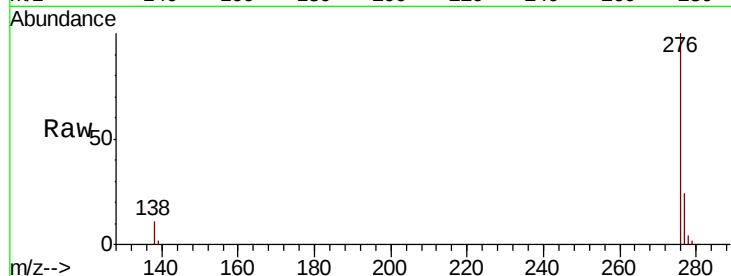
Tot Ion: 276 Resp: 34733

Ion Ratio Lower Upper

276 100

277 24.4 19.5 29.3

138 11.0 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

