

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
 Data File : BE099456.D
 Acq On : 1 May 2019 10:17
 Operator : JU/SJ
 Sample : K2587-16MSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319MSD

Quant Time: May 02 04:12:43 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	7.82	152	2096	0.40	ng	0.00
7) Naphthalene-d8	10.60	136	7711	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	5609	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	18162	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26777	0.40	ng	0.00
34) Perylene-d12	23.86	264	30443	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1849	0.32	ng	0.00
5) Phenol-d6	6.97	99	2635	0.34	ng	0.00
8) Nitrobenzene-d5	8.96	82	1991	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	12.19	152	4965	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1112	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.07	172	5645	0.26	ng	-0.02
25) Fluoranthene-d10	19.21	212	66097	0.27	ng	0.00
29) Terphenyl-d14	19.81	244	13223	0.27	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	699	0.242	ng	# 42
3) n-Nitrosodimethylamine	3.64	42	401	0.231	ng	# 1
6) bis(2-Chloroethyl)ether	7.23	93	1920	0.289	ng	99
9) Naphthalene	10.65	128	25019	0.298	ng	100
10) Hexachlorobutadiene	10.93	225	1402	0.240	ng	97
12) 2-Methylnaphthalene	12.27	142	4467	0.306	ng	96
16) Acenaphthylene	14.17	152	8189	0.298	ng	98
17) Acenaphthene	14.51	154	4833	0.308	ng	98
18) Fluorene	15.49	166	7013	0.303	ng	99
20) 4-Bromophenyl-phenylether	16.38	248	2651	0.251	ng	# 87
21) Hexachlorobenzene	16.49	284	2721	0.270	ng	99
22) Pentachlorophenol	16.84	266	1342	0.437	ng	98
23) Phenanthrene	17.23	178	22556	0.481	ng	99
24) Anthracene	17.32	178	14921	0.334	ng	100
26) Fluoranthene	19.25	202	37415	0.533	ng	100
28) Pyrene	19.61	202	36840	0.528	ng	98
30) Benzo(a)anthracene	21.34	228	35391	0.415	ng	98
31) Chrysene	21.40	228	34704	0.416	ng	97
32) Bis(2-ethylhexyl)phthalate	21.26	149	42834	0.284	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	33056	0.335	ng	100
35) Benzo(b)fluoranthene	23.14	252	29572	0.337	ng	97
36) Benzo(k)fluoranthene	23.14	252	29964	0.354	ng	# 97
37) Benzo(a)pyrene	23.75	252	30971	0.373	ng	# 97
38) Dibenzo(a,h)anthracene	26.53	278	25005	0.295	ng	100
39) Benzo(g,h,i)perylene	27.32	276	28283	0.333	ng	98

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

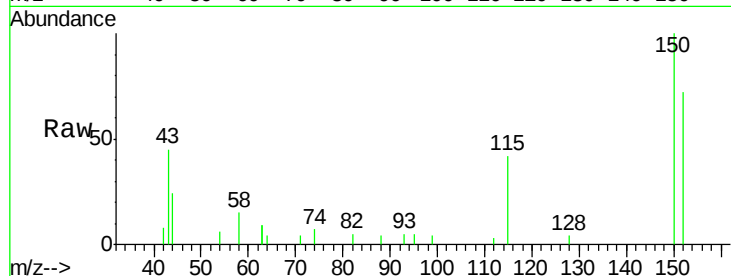


#1

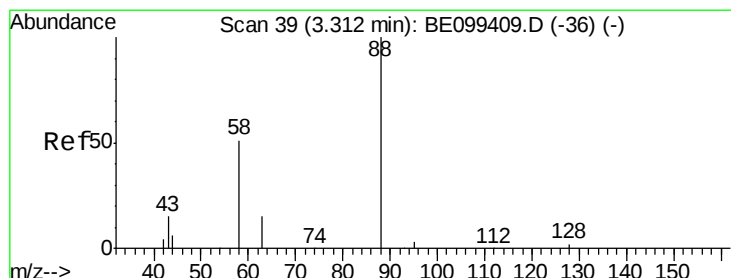
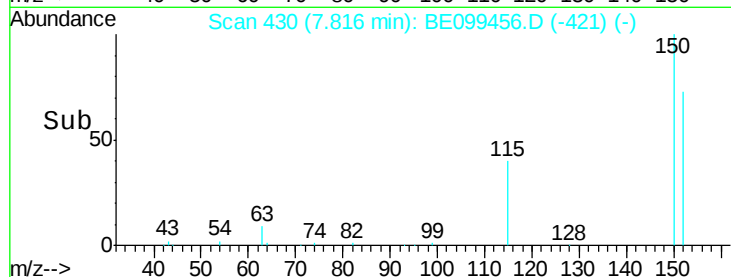
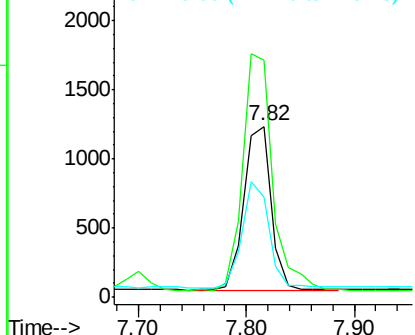
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MSD

Tot Ion:152 Resp: 2096
Ion Ratio Lower Upper
152 100
150 138.3 104.8 157.2
115 58.4 46.6 69.8



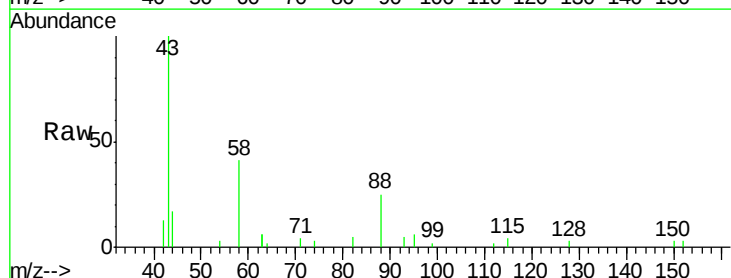
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



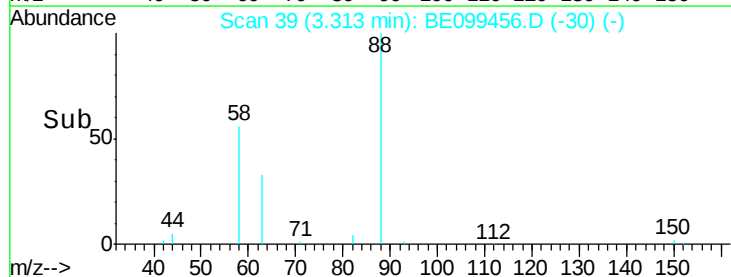
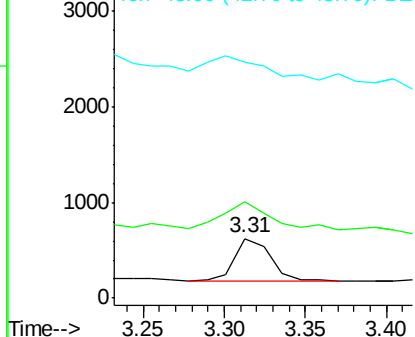
#2

1,4-Dioxane
Concen: 0.242 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion: 88 Resp: 699
Ion Ratio Lower Upper
88 100
58 88.6 51.0 76.6#
43 87.8 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: 0.231 ng

RT: 3.64 min Scan# 67

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

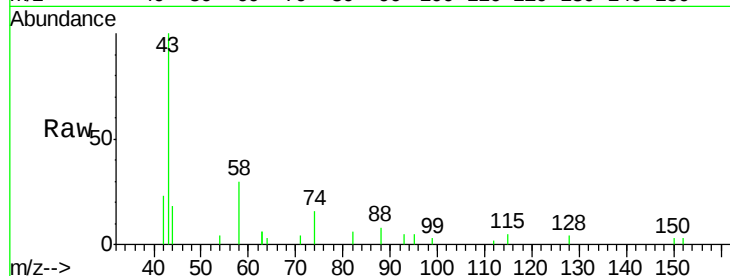
Tot Ion: 42 Resp: 401

Ion Ratio Lower Upper

42 100

74 0.0 141.6 212.4#

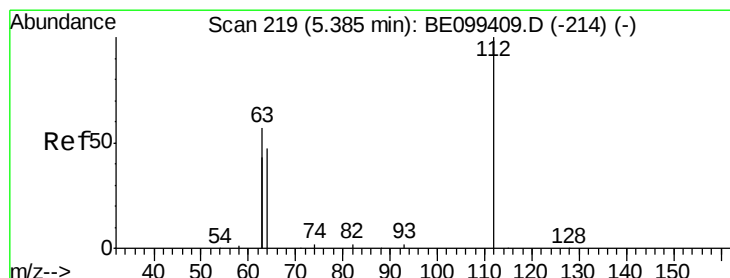
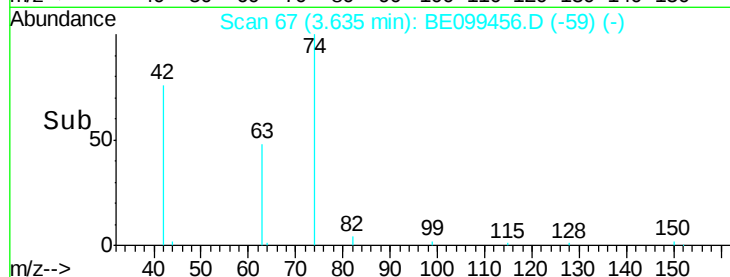
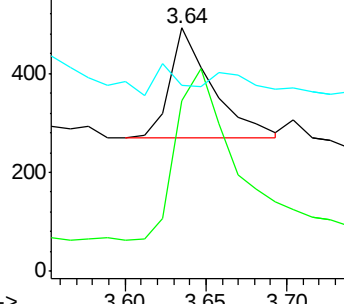
44 17.2 0.0 0.0#



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: 0.319 ng

RT: 5.39 min Scan# 219

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

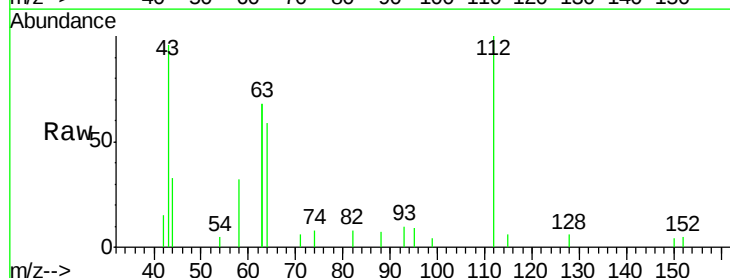
Tgt Ion: 112 Resp: 1849

Ion Ratio Lower Upper

112 100

64 57.1 47.4 71.0

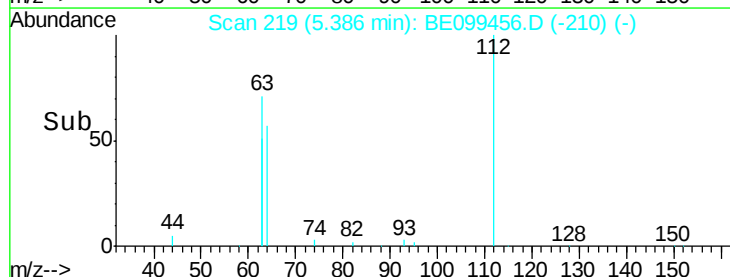
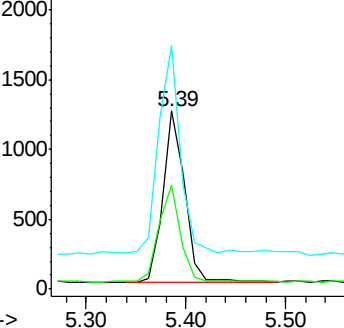
63 120.3 104.3 156.5

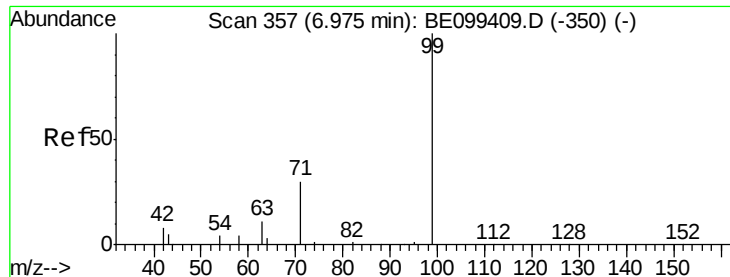


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.342 ng

RT: 6.97 min Scan# 357

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

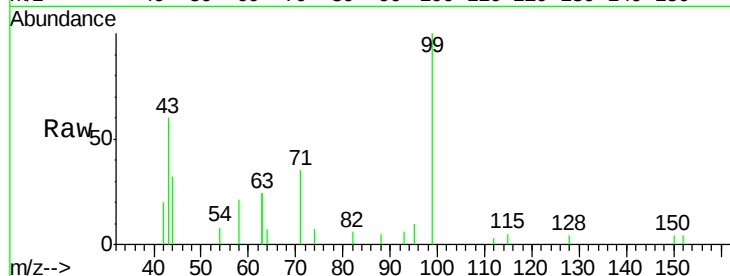
Tot Ion: 99 Resp: 2635

Ion Ratio Lower Upper

99 100

42 20.0 14.9 22.3

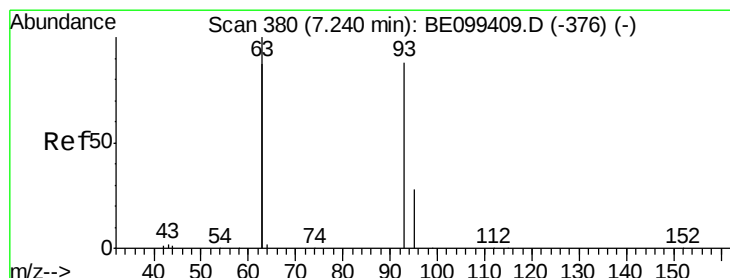
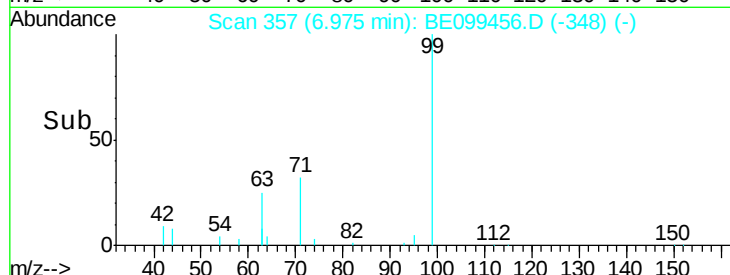
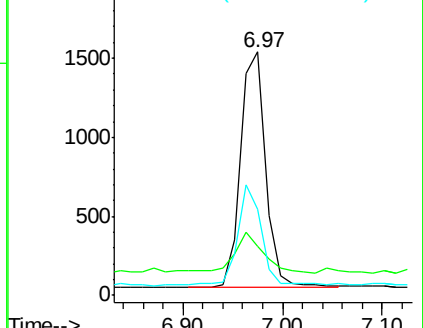
71 39.0 33.0 49.6



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: 0.289 ng

RT: 7.23 min Scan# 379

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

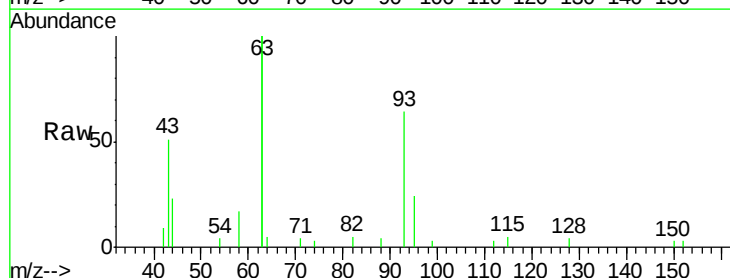
Tgt Ion: 93 Resp: 1920

Ion Ratio Lower Upper

93 100

63 267.0 215.6 323.4

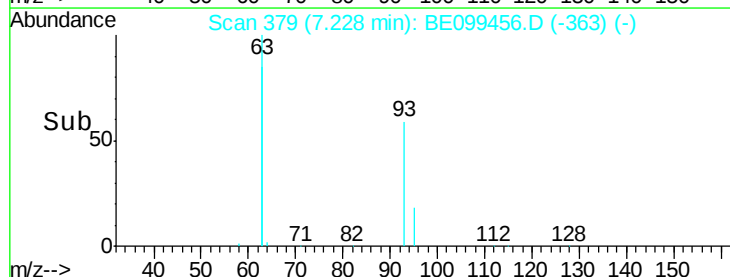
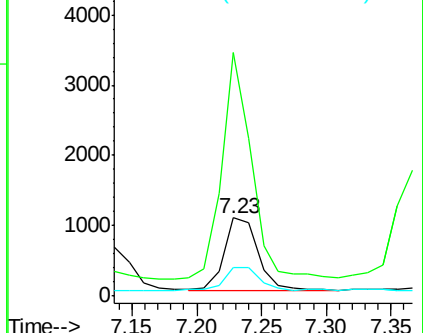
95 34.2 26.2 39.2

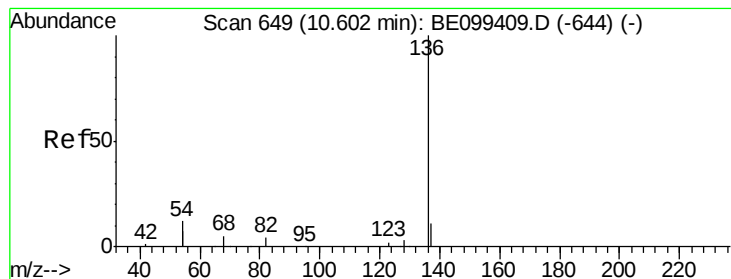


Abundance Ion 93.00 (92.70 to 93.70): BE0

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: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

Tot Ion:136 Resp: 7711

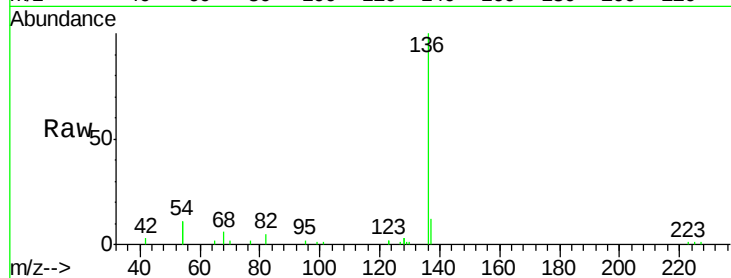
Ion Ratio Lower Upper

136 100

137 11.5 9.8 14.8

54 22.6 18.5 27.7

68 6.0 4.7 7.1

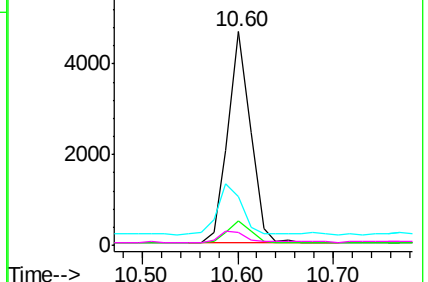
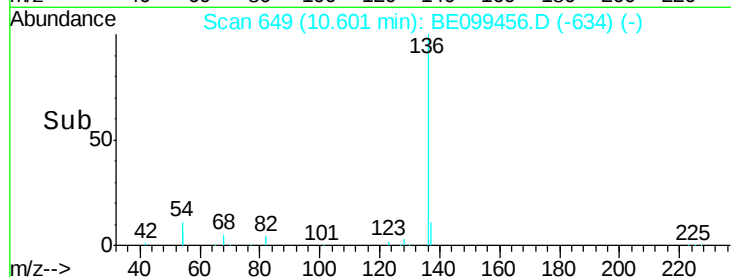


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.275 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

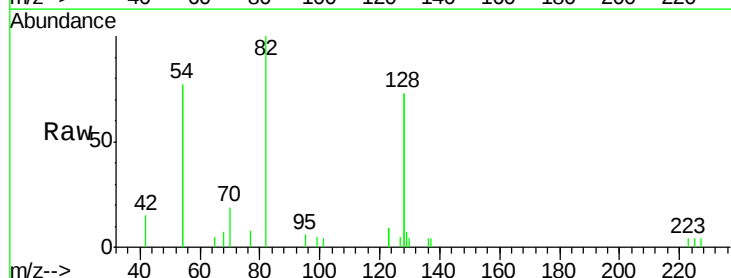
Tgt Ion: 82 Resp: 1991

Ion Ratio Lower Upper

82 100

128 145.1 107.0 160.4

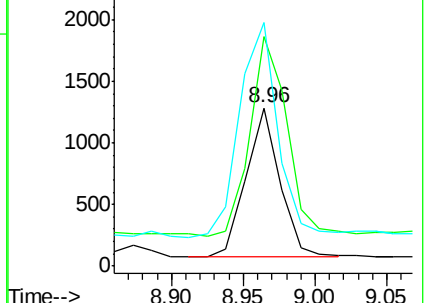
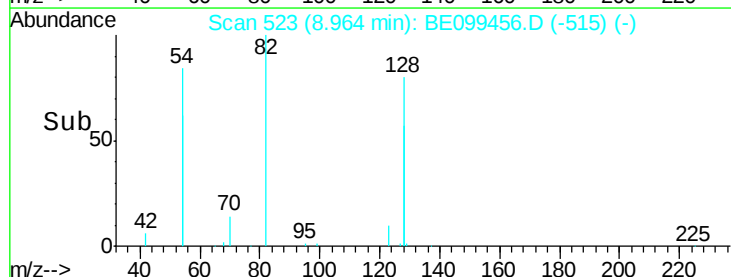
54 153.7 113.1 169.7

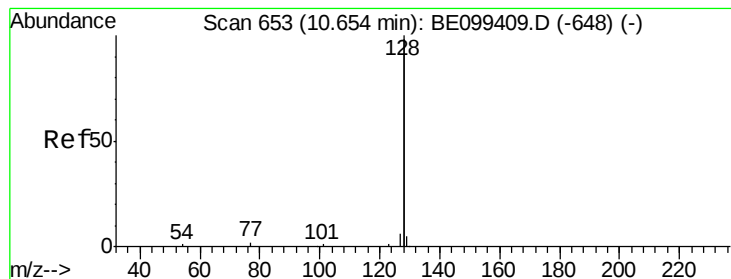


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.298 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

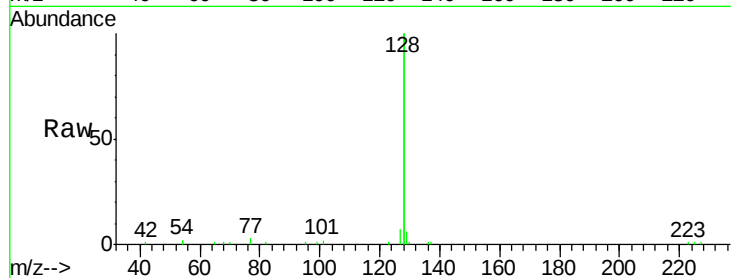
Tot Ion:128 Resp: 25019

Ion Ratio Lower Upper

128 100

129 3.0 2.4 3.6

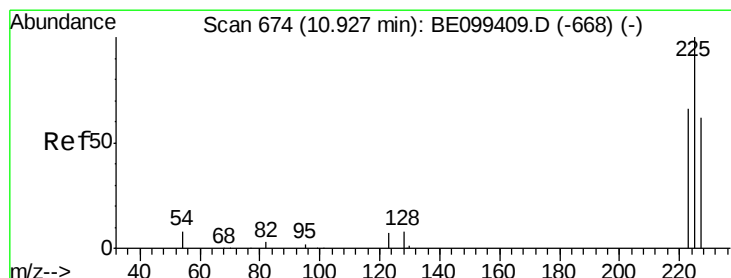
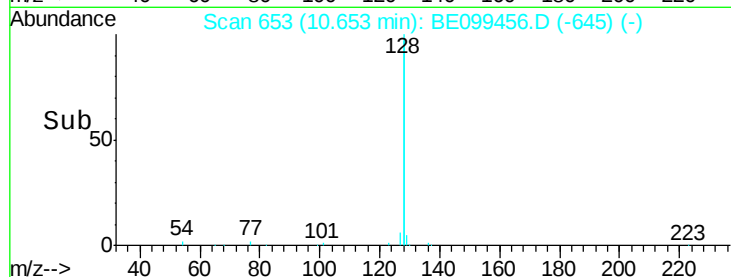
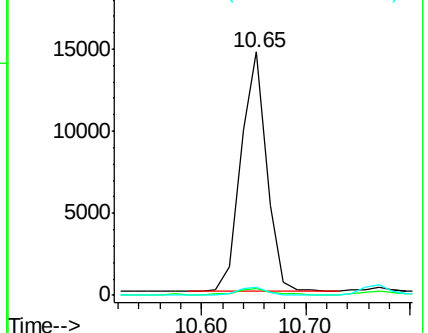
127 3.5 2.8 4.2



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: 0.240 ng

RT: 10.93 min Scan# 674

Delta R.T. -0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

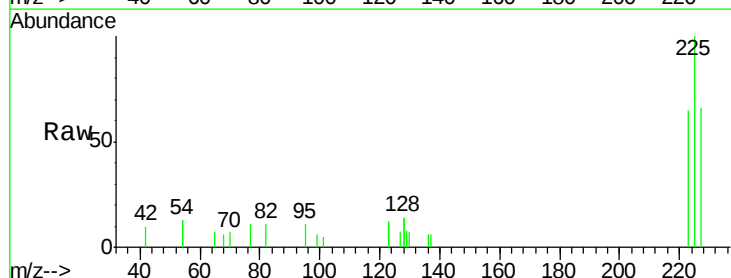
Tgt Ion:225 Resp: 1402

Ion Ratio Lower Upper

225 100

223 65.8 51.0 76.6

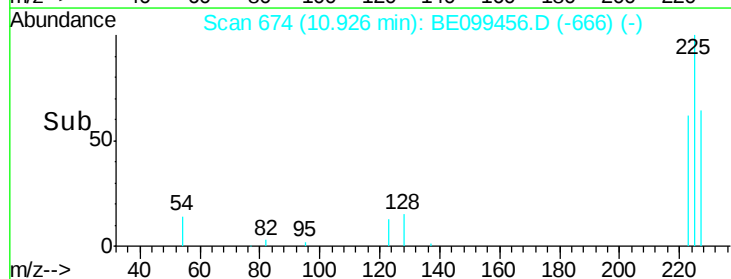
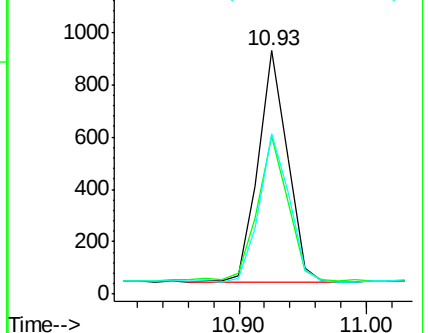
227 65.7 50.9 76.3

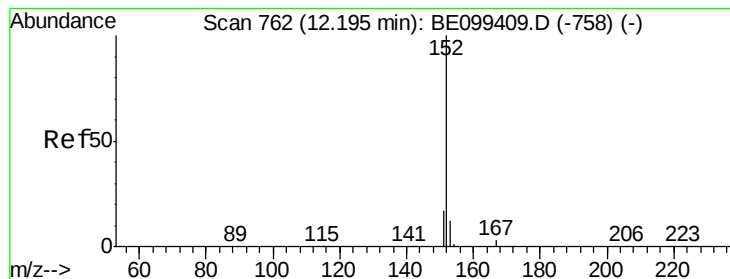


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

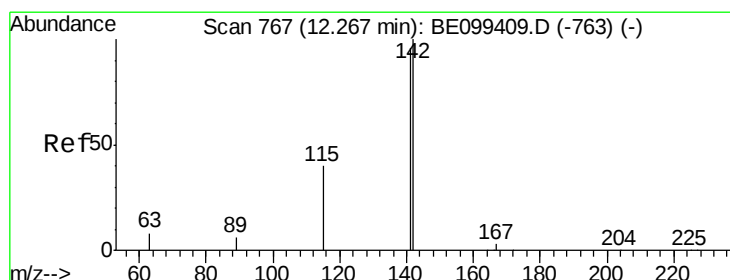
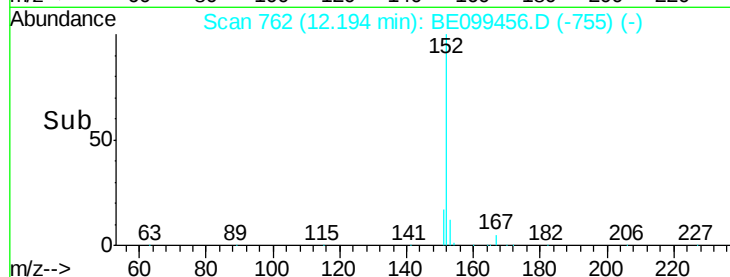
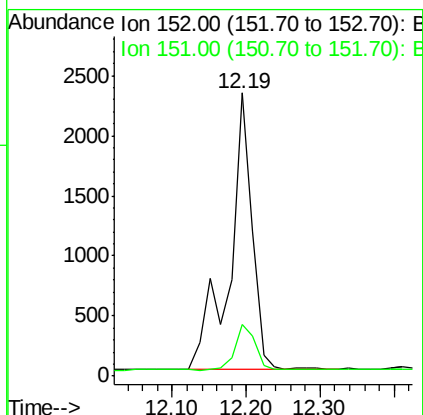
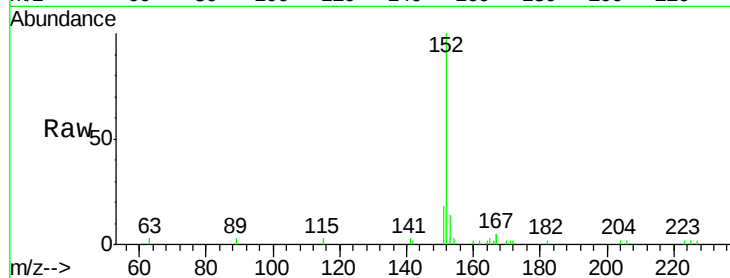




#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

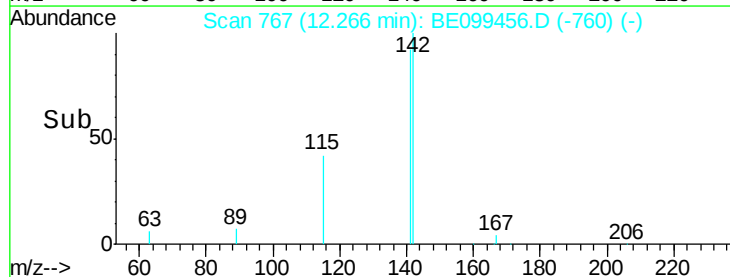
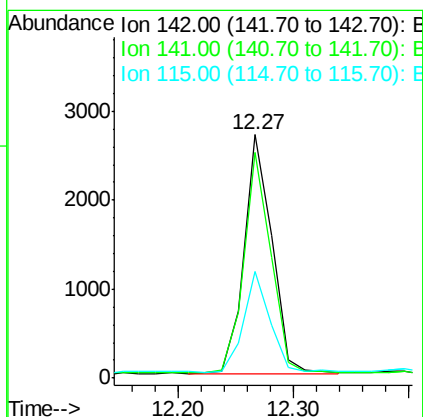
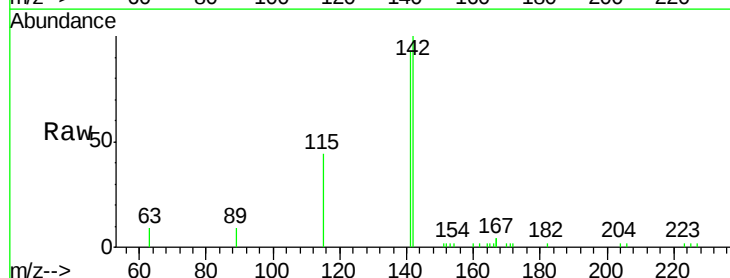
Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MSD

Tot Ion:152 Resp: 4965
Ion Ratio Lower Upper
152 100
151 14.6 15.5 23.3#



#12
2-Methylnaphthalene
Concen: 0.306 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:142 Resp: 4467
Ion Ratio Lower Upper
142 100
141 92.6 77.0 115.4
115 43.8 33.4 50.0

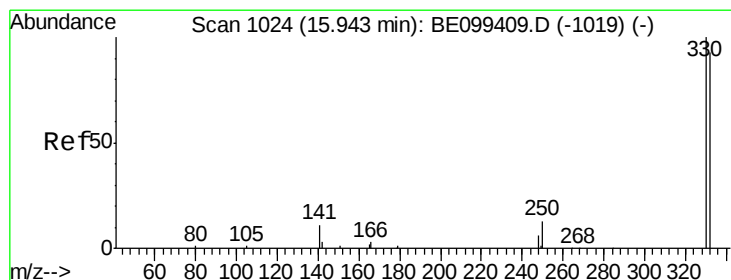
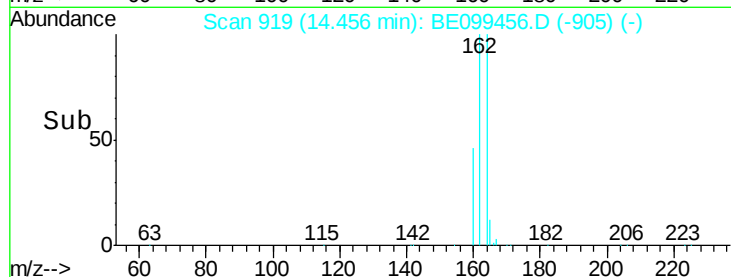
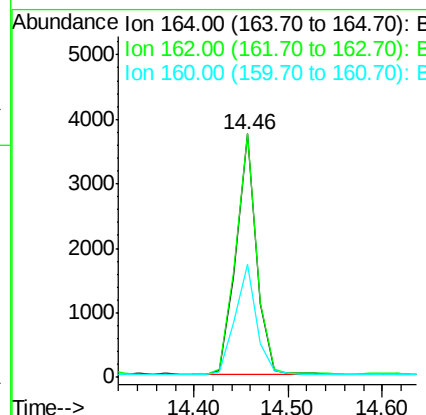
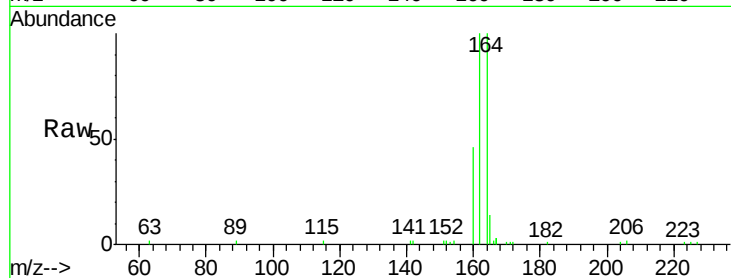




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

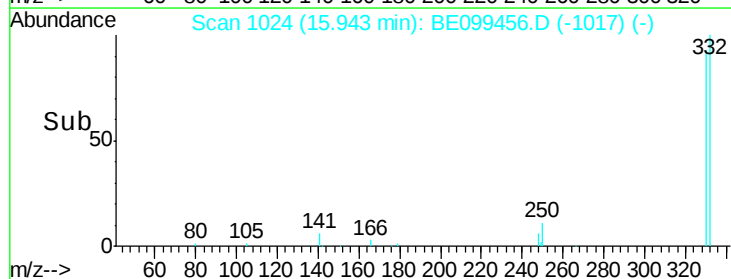
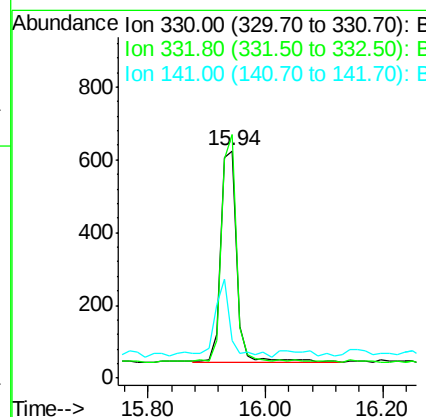
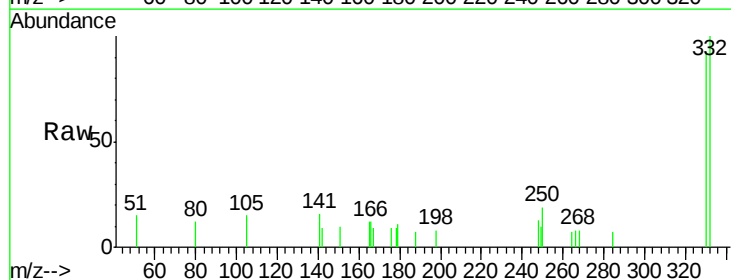
Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MSD

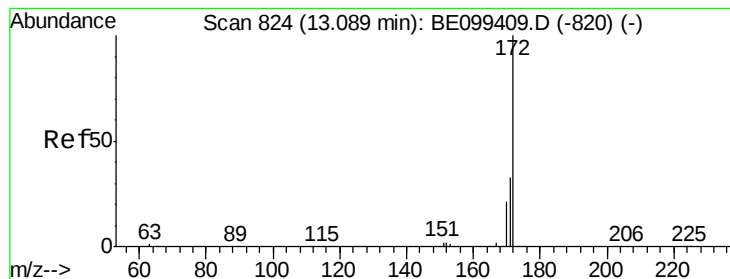
Tot Ion:164 Resp: 5609
Ion Ratio Lower Upper
164 100
162 100.2 79.0 118.4
160 46.4 37.0 55.4



#14
2,4,6-Tribromophenol
Concen: 0.315 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:330 Resp: 1112
Ion Ratio Lower Upper
330 100
332 98.5 71.5 107.3
141 35.4 24.0 36.0





#15

2-Fluorobiphenyl

Concen: 0.264 ng

RT: 13.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

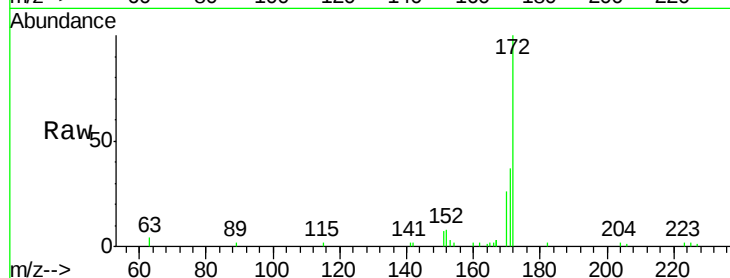
Tot Ion:172 Resp: 5645

Ion Ratio Lower Upper

172 100

171 36.9 26.6 39.8

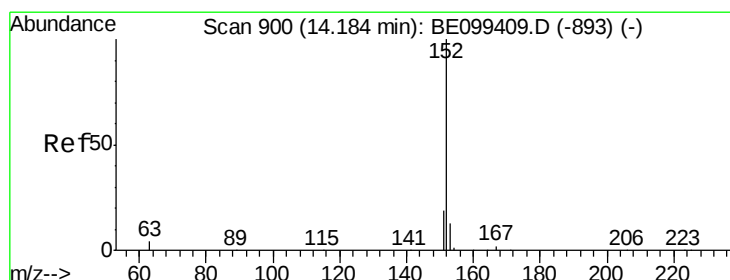
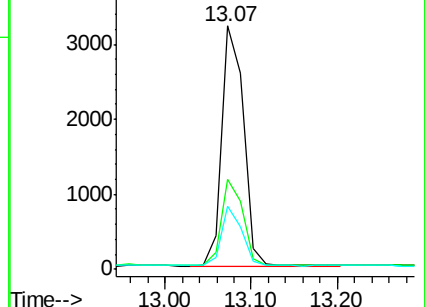
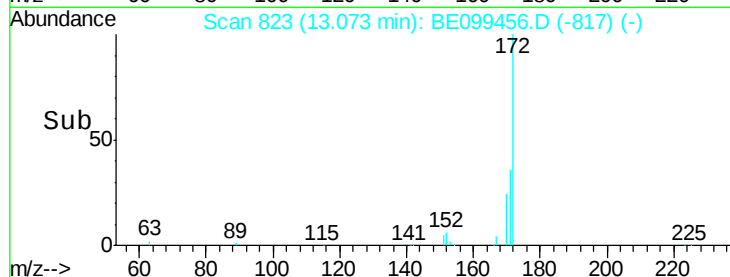
170 25.7 17.0 25.6#



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: 0.298 ng

RT: 14.17 min Scan# 899

Delta R.T. -0.02 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

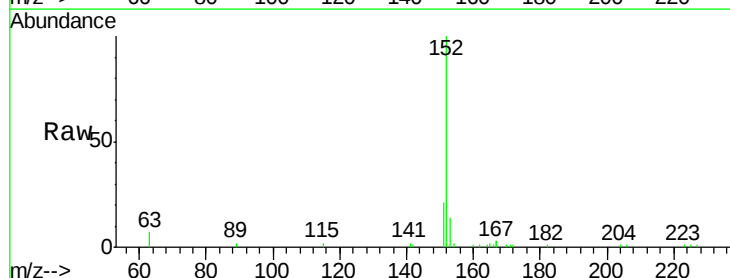
Tgt Ion:152 Resp: 8189

Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.2

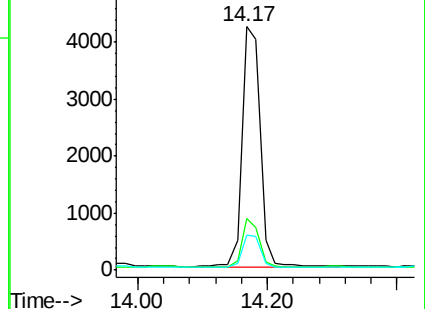
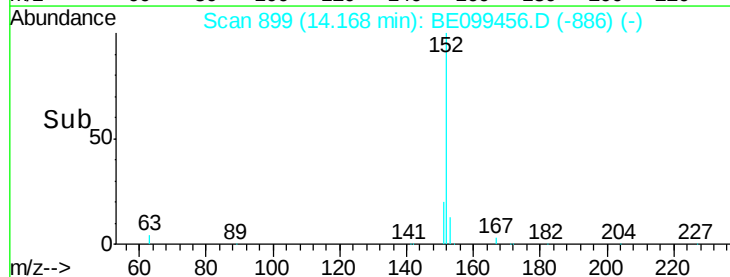
153 13.8 9.8 14.6

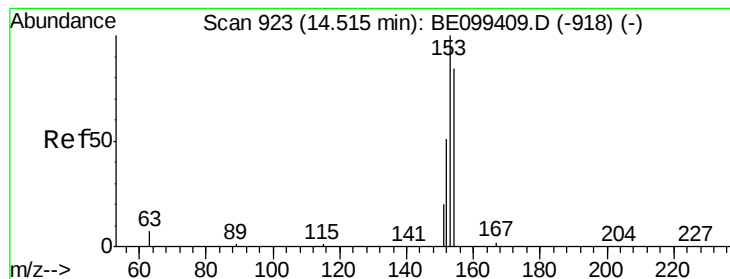


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.308 ng

RT: 14.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

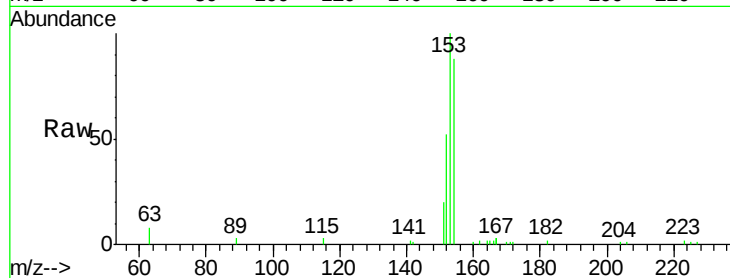
Tot Ion:154 Resp: 4833

Ion Ratio Lower Upper

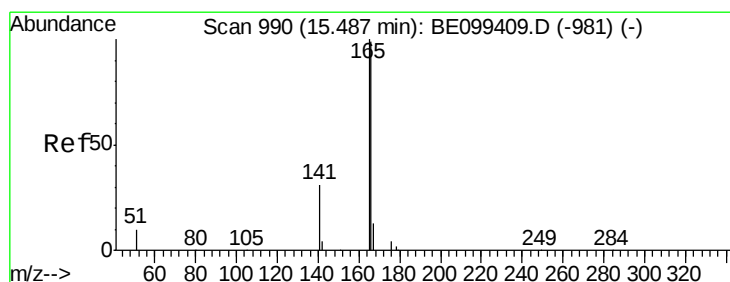
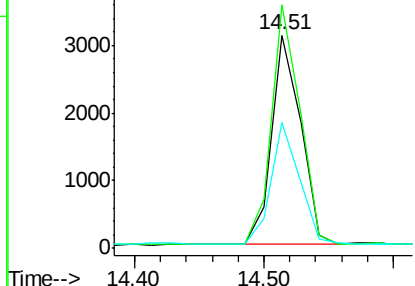
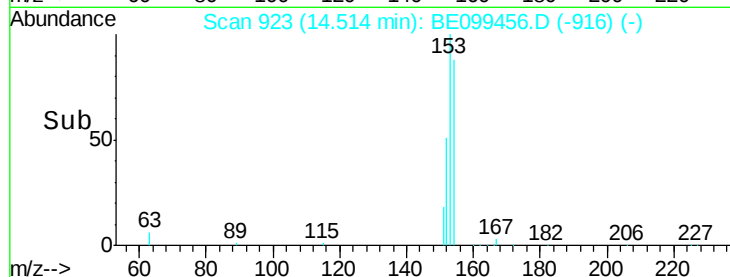
154 100

153 112.4 92.6 138.8

152 57.0 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: 0.303 ng

RT: 15.49 min Scan# 990

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

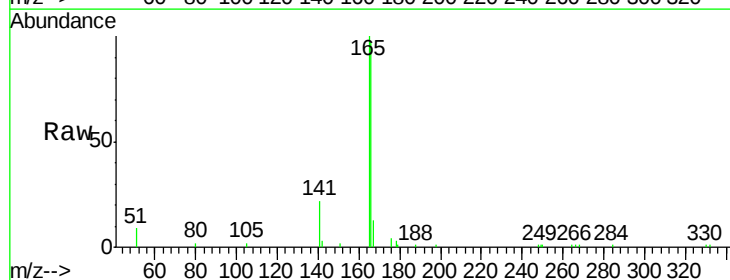
Tgt Ion:166 Resp: 7013

Ion Ratio Lower Upper

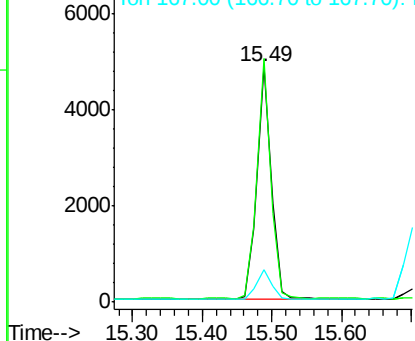
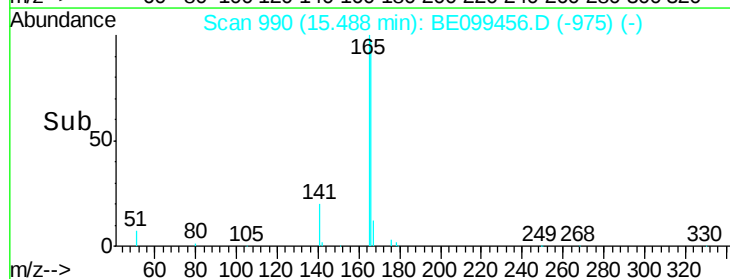
166 100

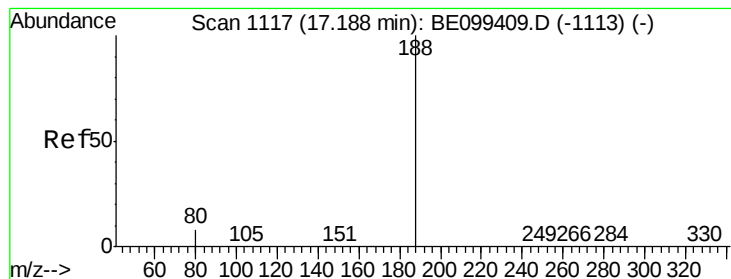
165 99.3 80.3 120.5

167 13.5 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: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

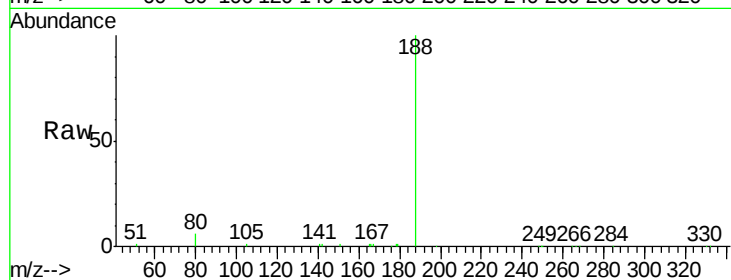
Tot Ion:188 Resp: 18162

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

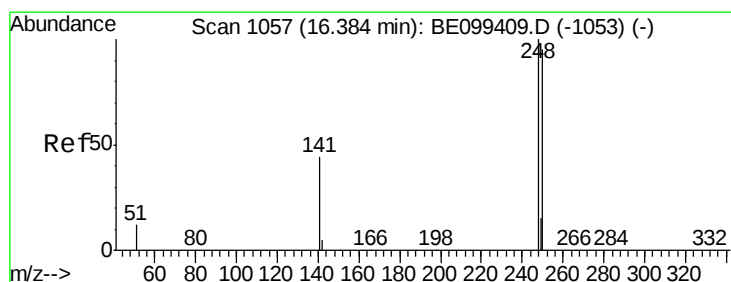
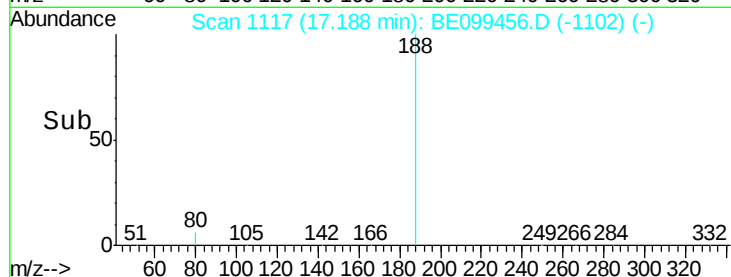
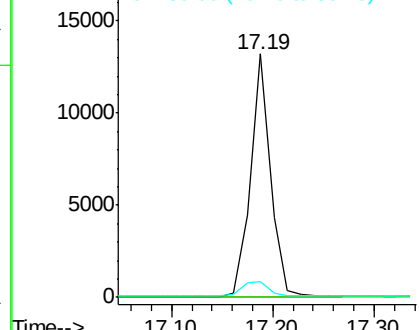
80 6.5 6.7 10.1#



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: 0.251 ng

RT: 16.38 min Scan# 1057

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

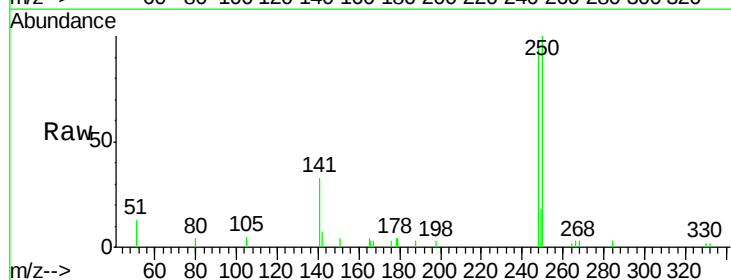
Tgt Ion:248 Resp: 2651

Ion Ratio Lower Upper

248 100

250 106.6 75.8 113.8

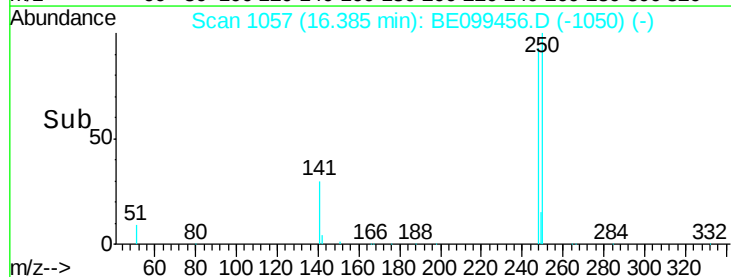
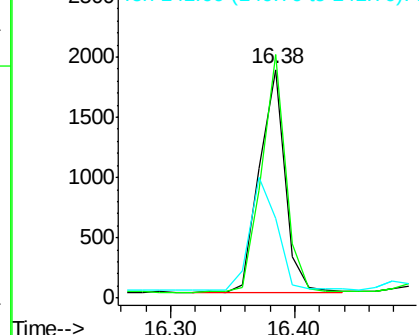
141 34.9 35.7 53.5#

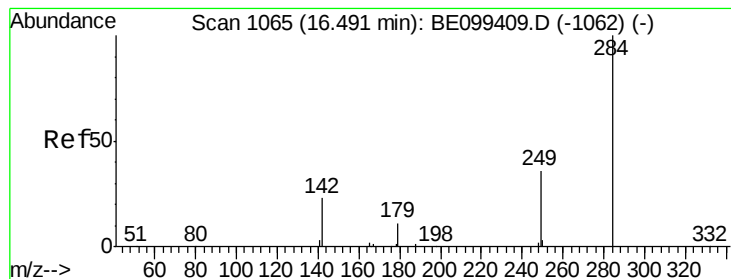


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.270 ng

RT: 16.49 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

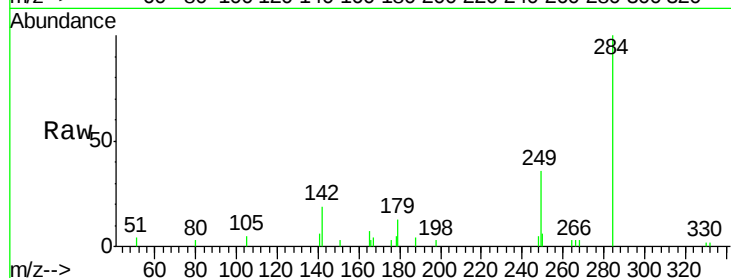
Tot Ion:284 Resp: 2721

Ion Ratio Lower Upper

284 100

142 27.2 21.0 31.6

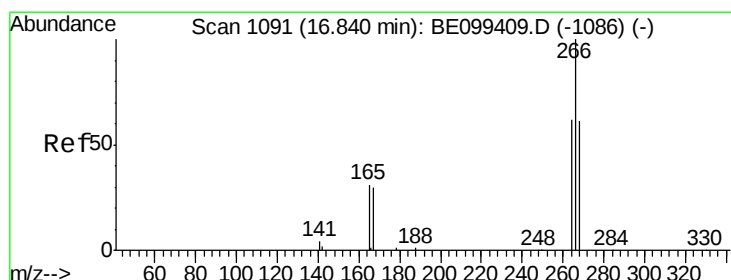
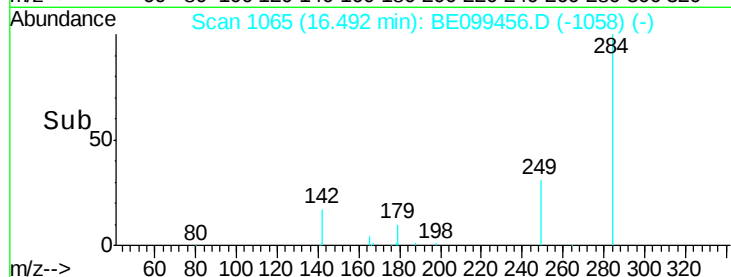
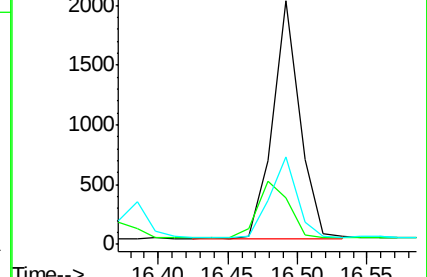
249 33.4 26.7 40.1



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: 0.437 ng

RT: 16.84 min Scan# 1091

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

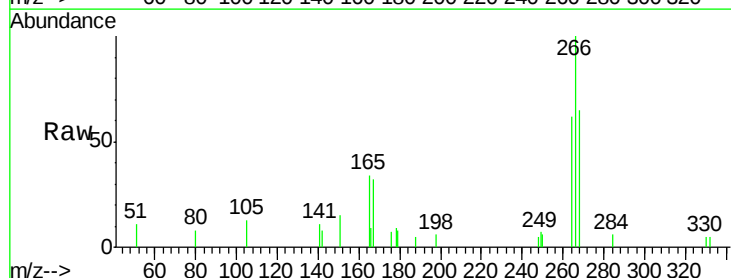
Tgt Ion:266 Resp: 1342

Ion Ratio Lower Upper

266 100

264 62.0 50.8 76.2

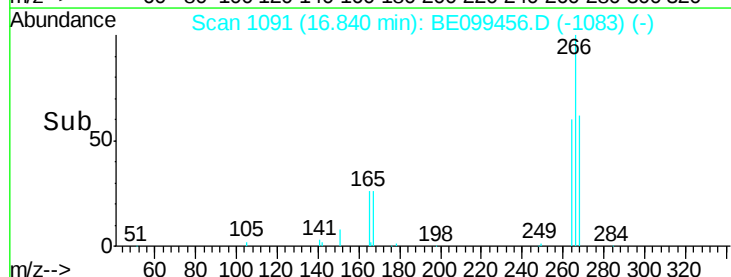
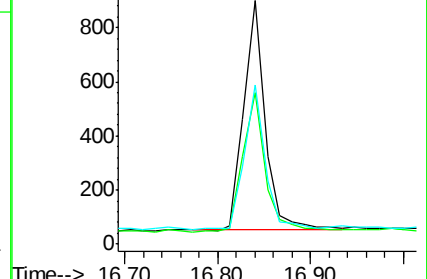
268 65.2 50.5 75.7

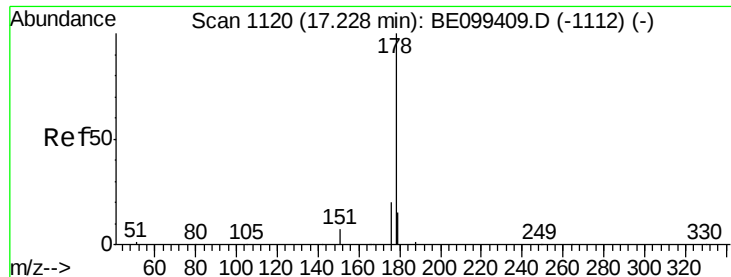


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.481 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

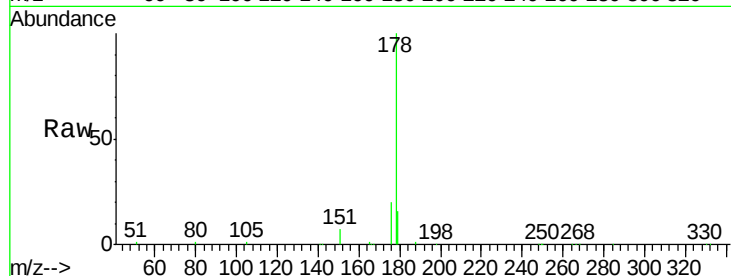
Tot Ion:178 Resp: 22556

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

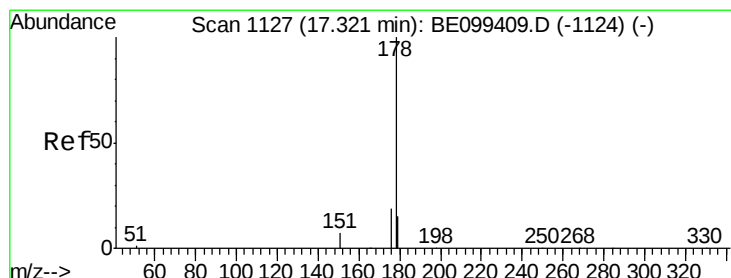
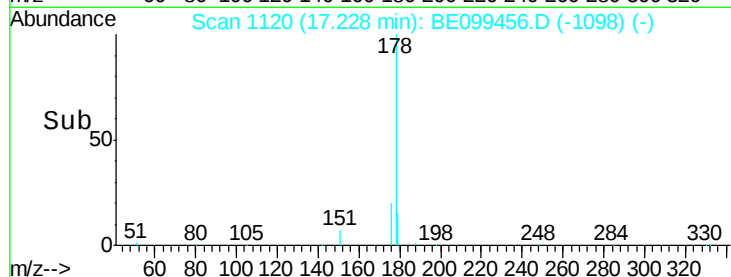
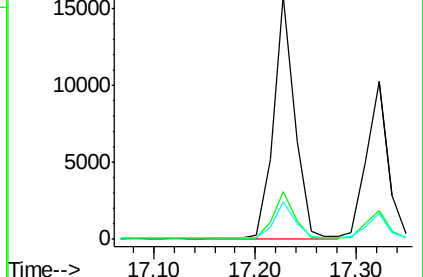
179 15.6 12.0 18.0



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: 0.334 ng

RT: 17.32 min Scan# 1127

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

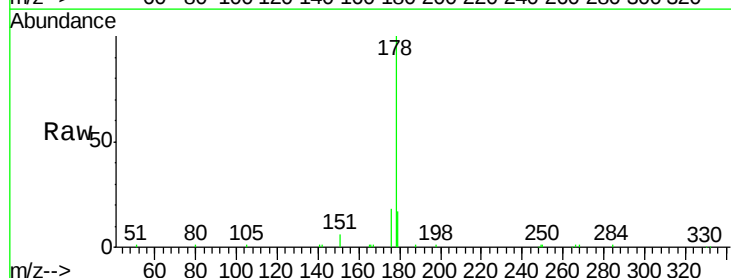
Tgt Ion:178 Resp: 14921

Ion Ratio Lower Upper

178 100

176 18.5 14.9 22.3

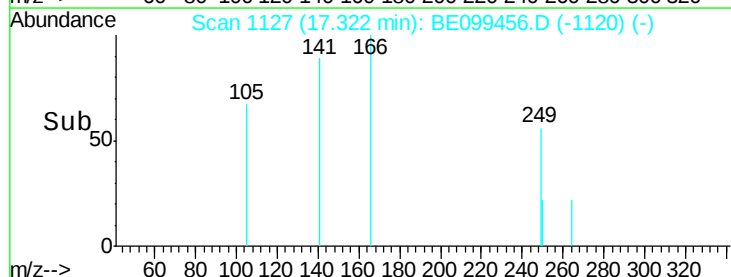
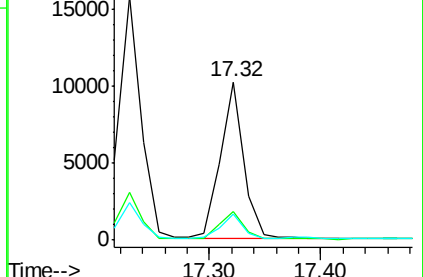
179 14.9 11.9 17.9

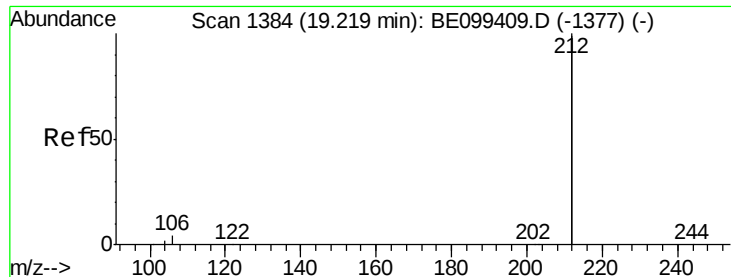


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.270 ng

RT: 19.21 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

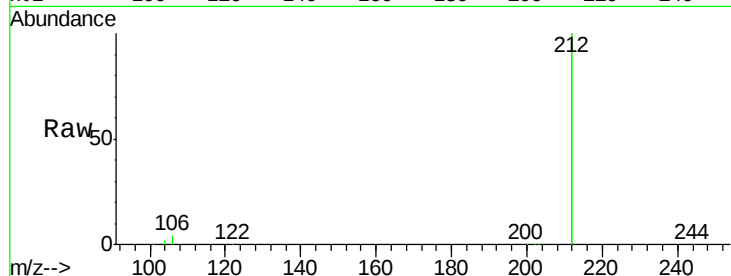
Tot Ion:212 Resp: 66097

Ion Ratio Lower Upper

212 100

106 1.8 1.5 2.3

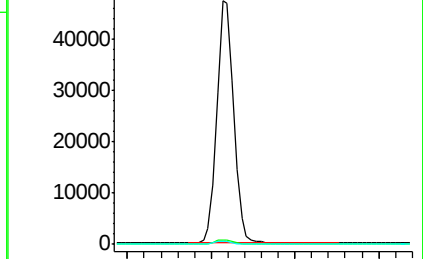
104 1.1 0.9 1.3



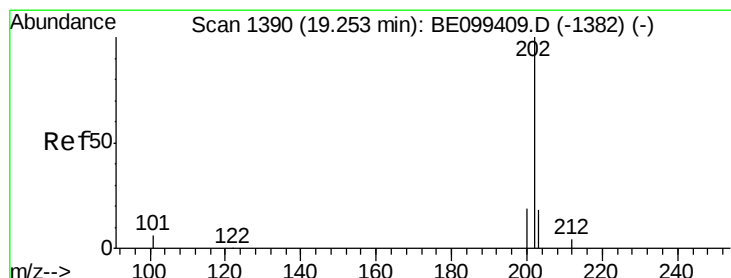
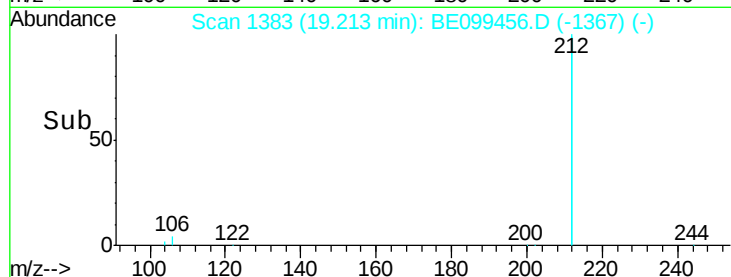
Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 19.10 19.20 19.30 19.40



#26

Fluoranthene

Concen: 0.533 ng

RT: 19.25 min Scan# 1389

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

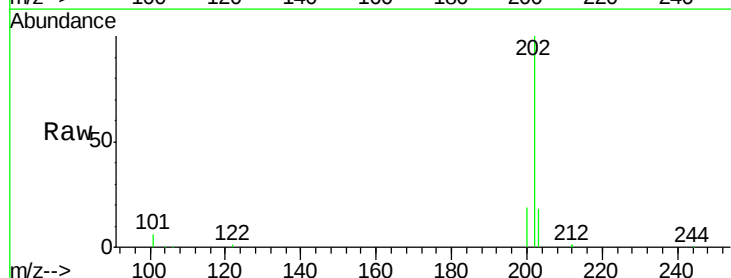
Tgt Ion:202 Resp: 37415

Ion Ratio Lower Upper

202 100

101 6.8 5.4 8.0

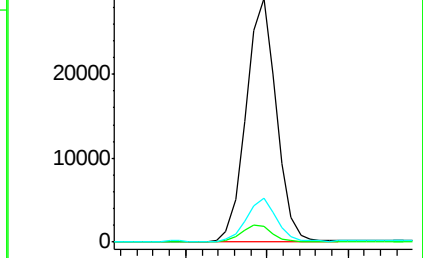
203 17.2 13.9 20.9



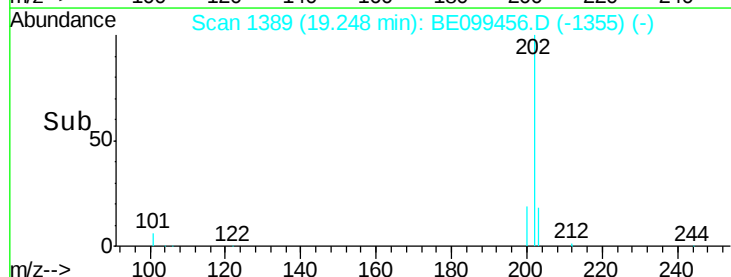
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.25 19.30

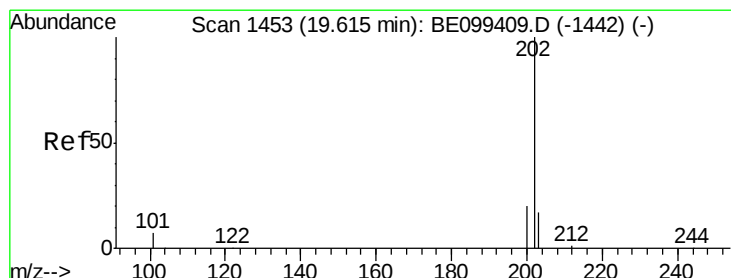
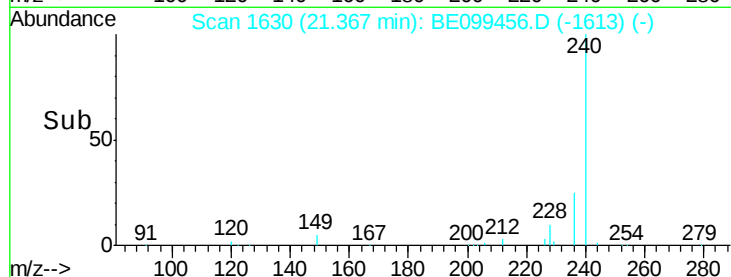
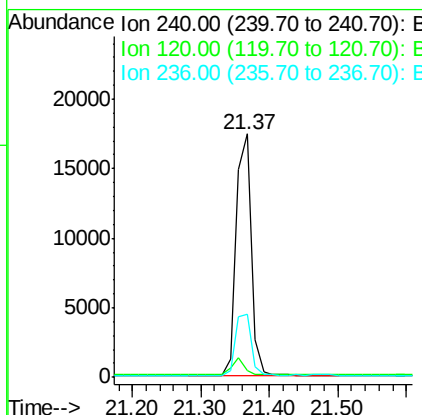
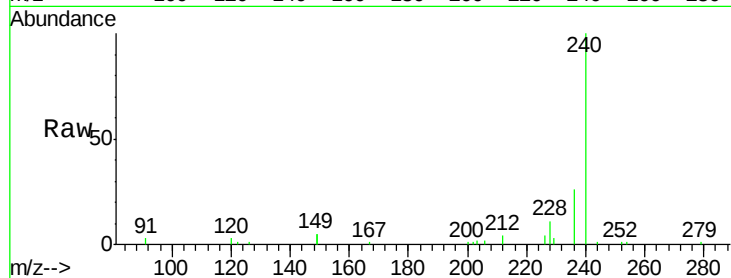




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: BE099456.D
 Acq: 1 May 2019 10:17

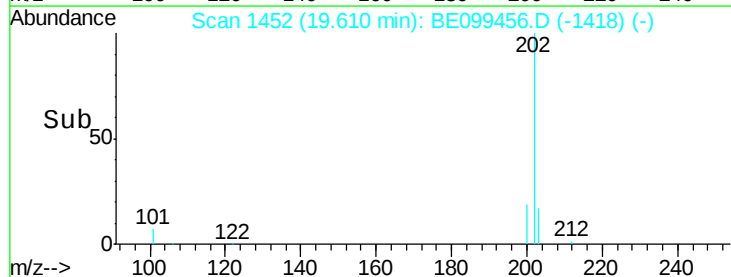
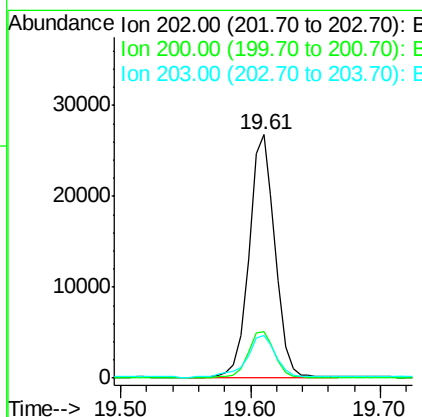
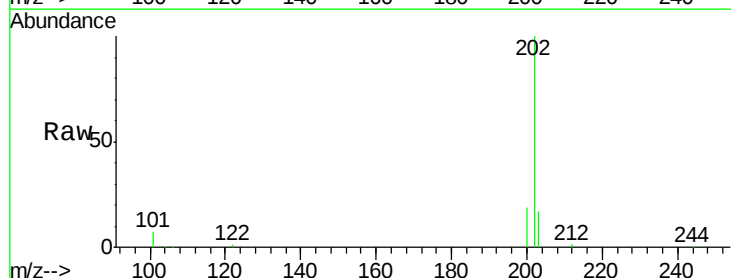
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319MSD

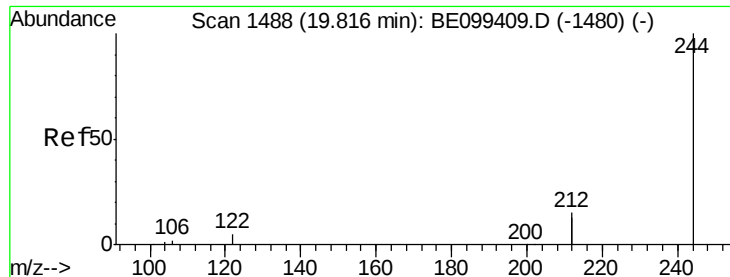
Tot Ion:240 Resp: 26777
 Ion Ratio Lower Upper
 240 100
 120 2.8 4.0 6.0#
 236 26.0 22.0 33.0



#28
 Pyrene
 Concen: 0.528 ng
 RT: 19.61 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BE099456.D
 Acq: 1 May 2019 10:17

Tgt Ion:202 Resp: 36840
 Ion Ratio Lower Upper
 202 100
 200 19.5 15.7 23.5
 203 19.2 13.9 20.9





#29

Terphenyl-d14

Concen: 0.270 ng

RT: 19.81 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

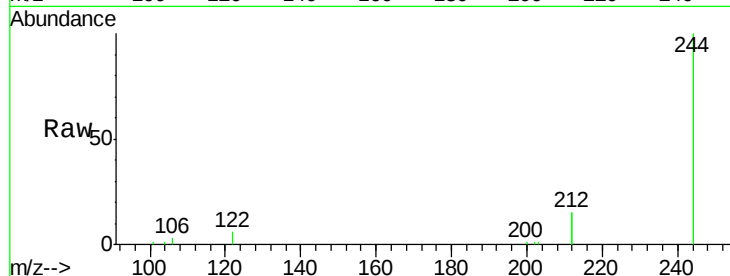
Tot Ion:244 Resp: 13223

Ion Ratio Lower Upper

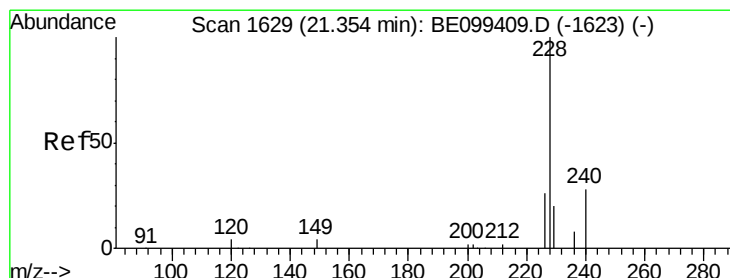
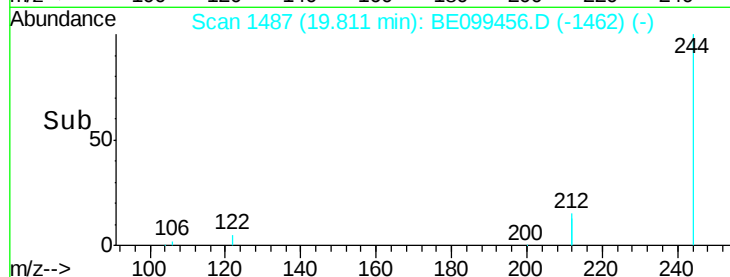
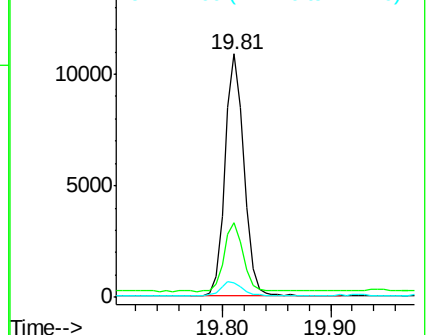
244 100

212 30.7 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: 0.415 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

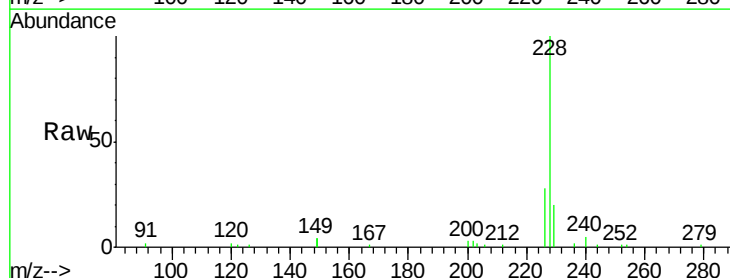
Tgt Ion:228 Resp: 35391

Ion Ratio Lower Upper

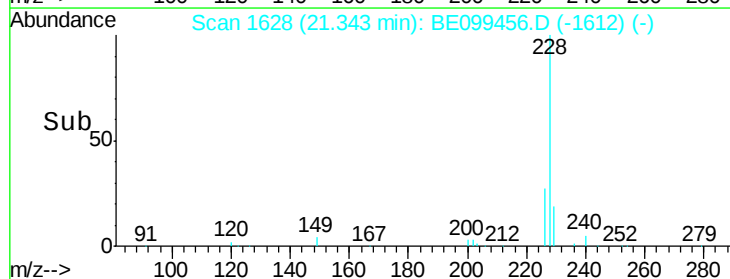
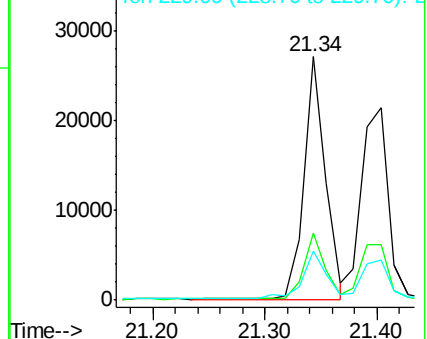
228 100

226 27.7 21.0 31.6

229 20.0 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: 0.416 ng

RT: 21.40 min Scan# 1633

Delta R.T. 0.00 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

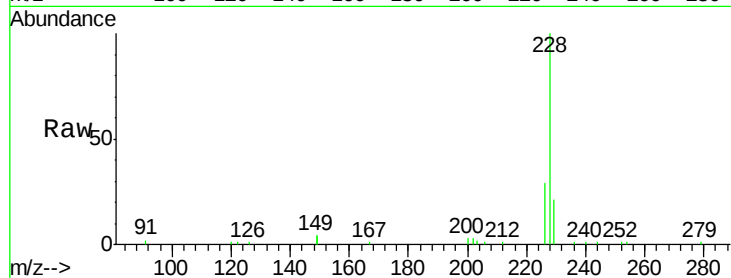
Tot Ion:228 Resp: 34704

Ion Ratio Lower Upper

228 100

226 28.6 24.0 36.0

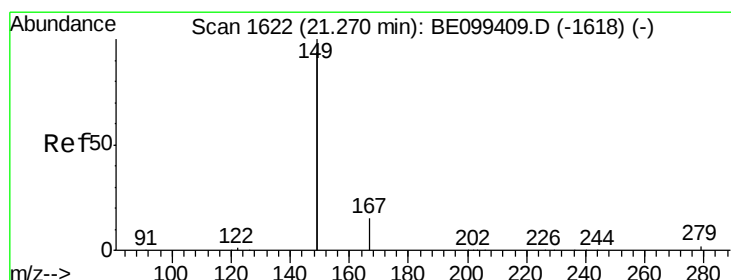
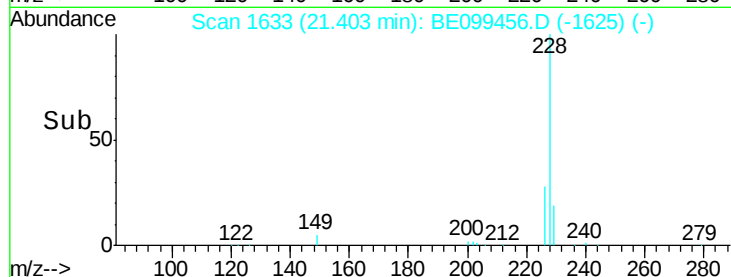
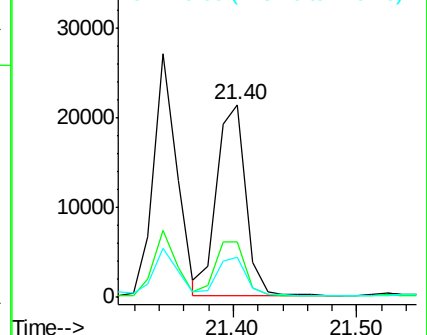
229 21.0 15.8 23.8



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: 0.284 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

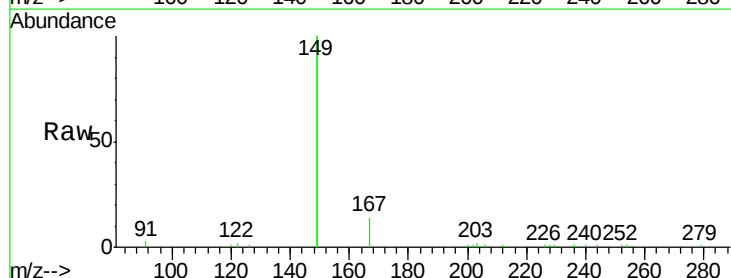
Tgt Ion:149 Resp: 42834

Ion Ratio Lower Upper

149 100

167 7.3 5.8 8.6

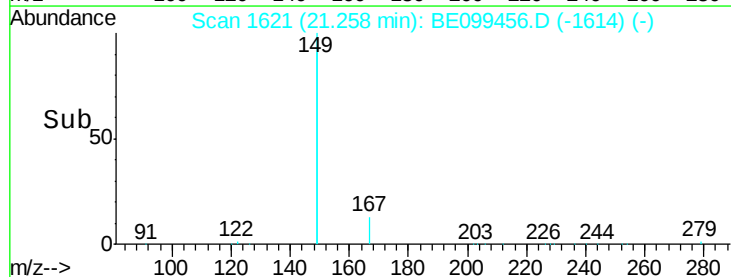
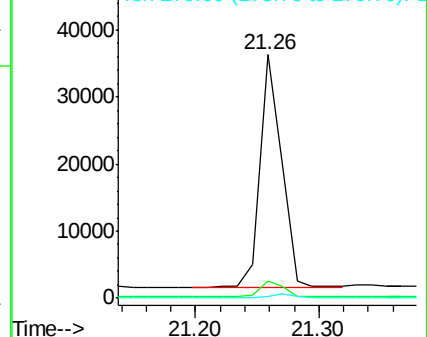
279 1.4 1.0 1.6



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

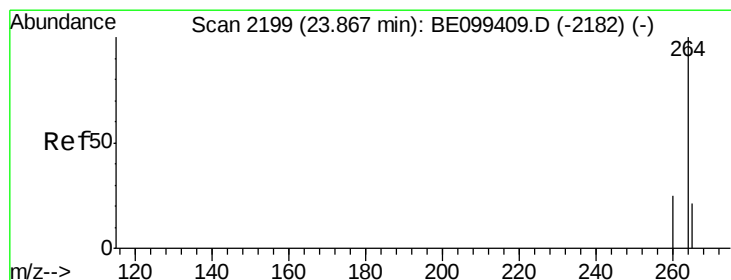
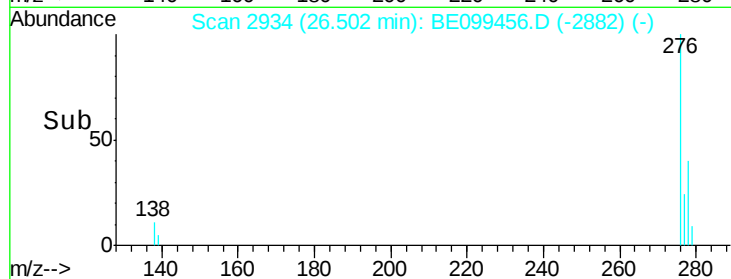
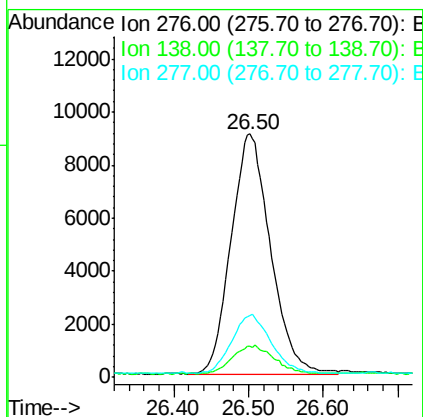
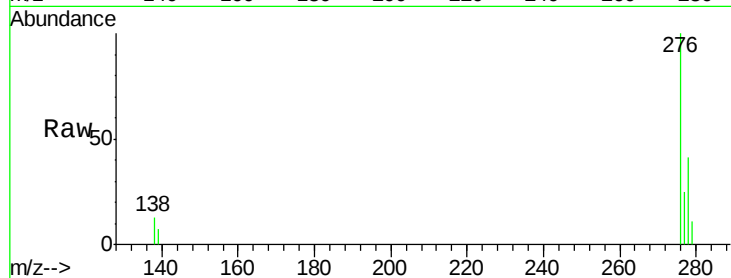




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.335 ng
 RT: 26.50 min Scan# 2934
 Delta R.T. -0.01 min
 Lab File: BE099456.D
 Acq: 1 May 2019 10:17

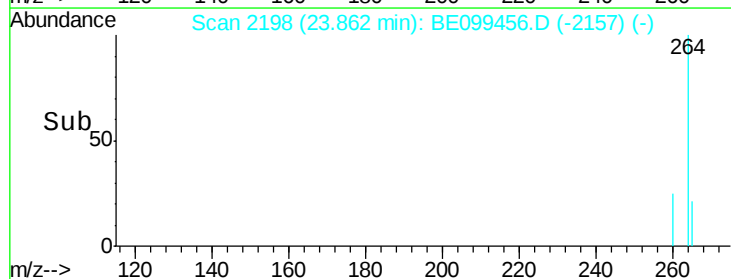
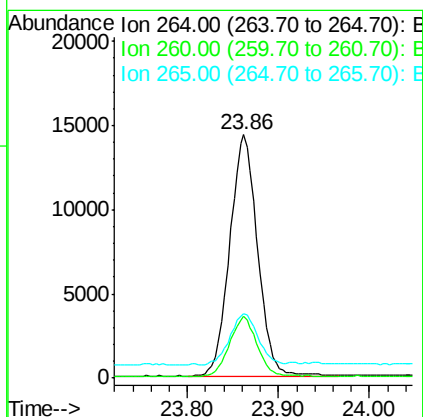
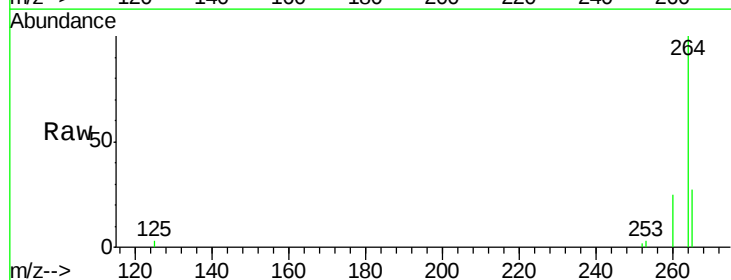
Instrument :
 BNA_E
 ClientSampleId :
 PST-004-B162-042319MSD

Tot Ion:276 Resp: 33056
 Ion Ratio Lower Upper
 276 100
 138 12.5 10.2 15.2
 277 24.1 19.2 28.8



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: BE099456.D
 Acq: 1 May 2019 10:17

Tgt Ion:264 Resp: 30443
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.2 30.2
 265 26.5 21.3 31.9

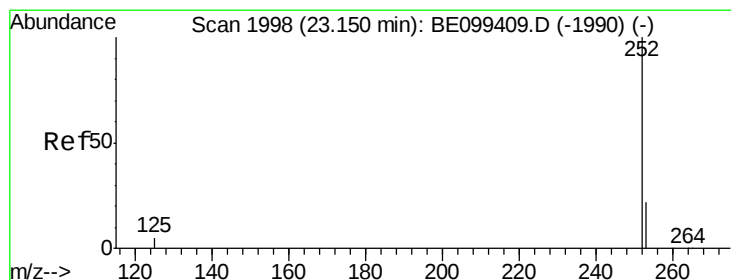
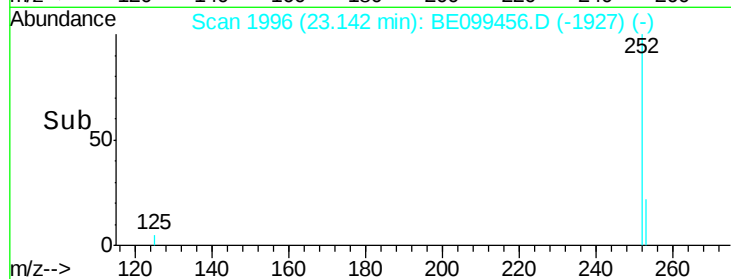
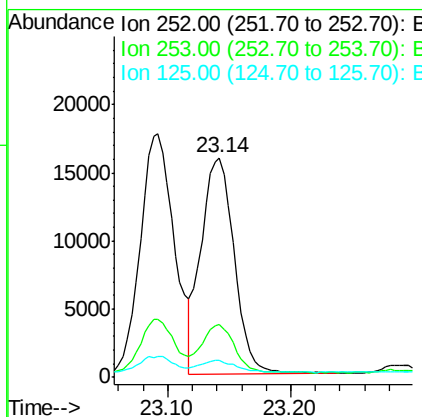
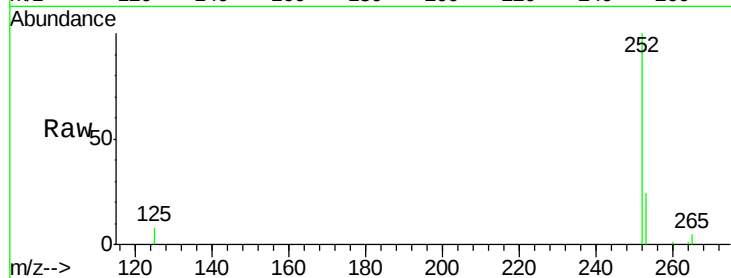




#35
Benzo(b)fluoranthene
Concen: 0.337 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.05 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

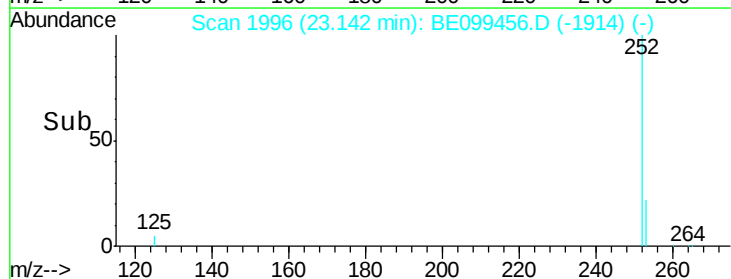
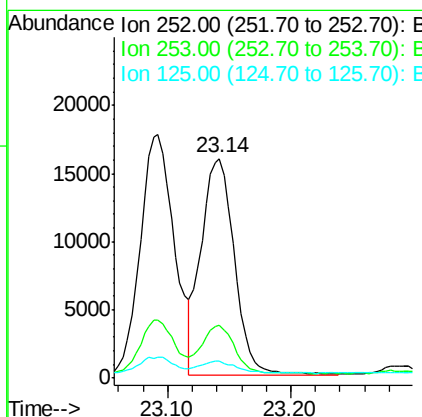
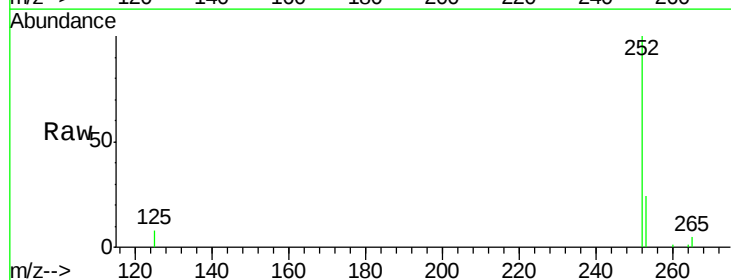
Instrument :
BNA_E
ClientSampleId :
PST-004-B162-042319MSD

Tot Ion:252 Resp: 29572
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 7.6 5.6 8.4



#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099456.D
Acq: 1 May 2019 10:17

Tgt Ion:252 Resp: 29964
Ion Ratio Lower Upper
252 100
253 24.1 18.4 27.6
125 7.6 5.0 7.4#





#37

Benzo(a)pyrene

Concen: 0.373 ng

RT: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD

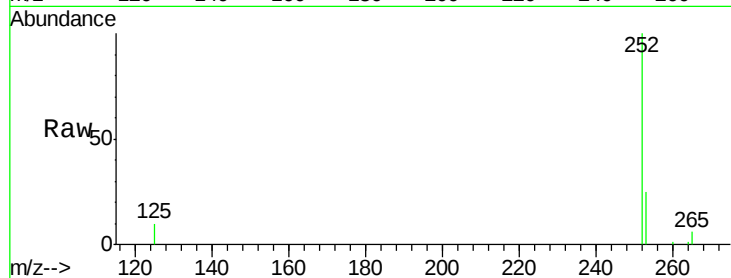
Tot Ion:252 Resp: 30971

Ion Ratio Lower Upper

252 100

253 24.6 18.9 28.3

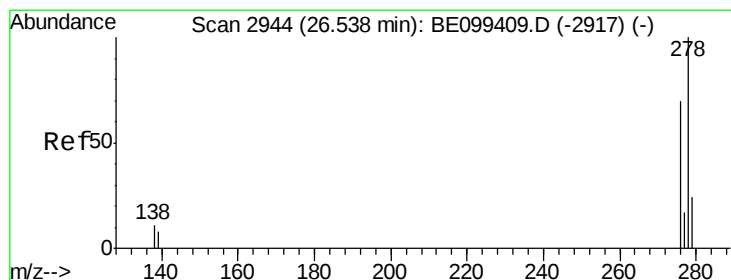
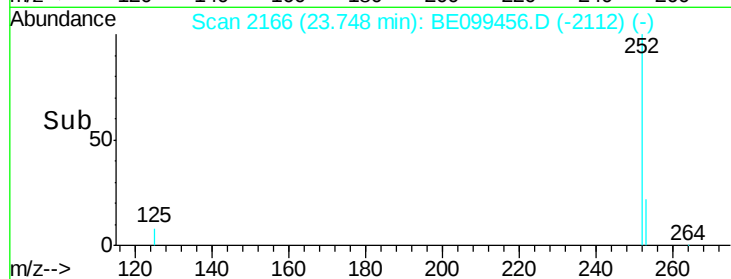
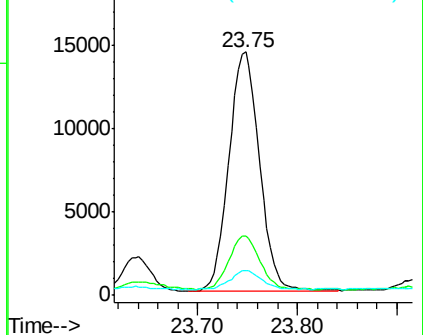
125 10.1 6.7 10.1#



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: 0.295 ng

RT: 26.53 min Scan# 2941

Delta R.T. -0.01 min

Lab File: BE099456.D

Acq: 1 May 2019 10:17

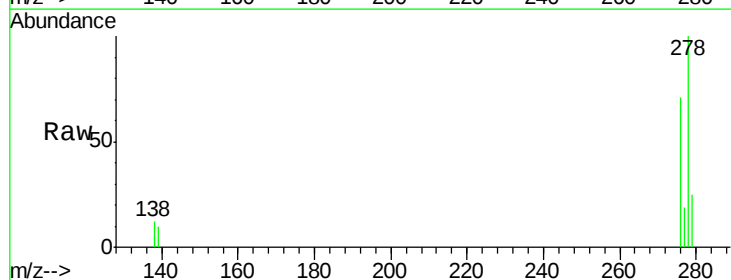
Tgt Ion:278 Resp: 25005

Ion Ratio Lower Upper

278 100

139 9.9 7.7 11.5

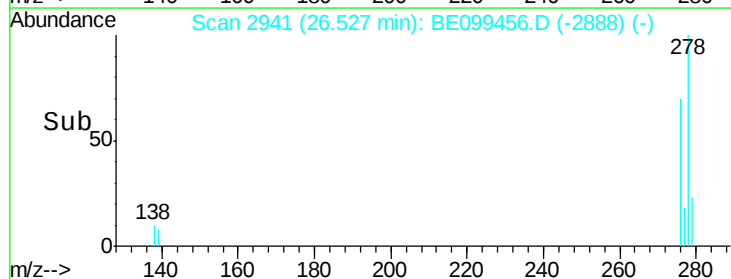
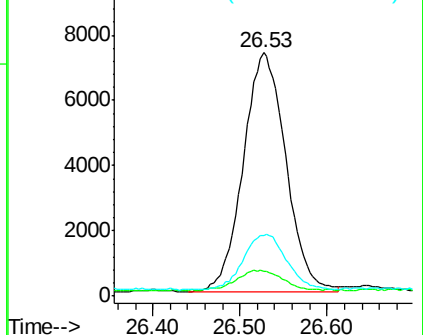
279 25.0 20.2 30.2



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: 0.333 ng

RT: 27.32 min Scan# 3162

Delta R.T. -0.02 min

Lab File: BE099456.D

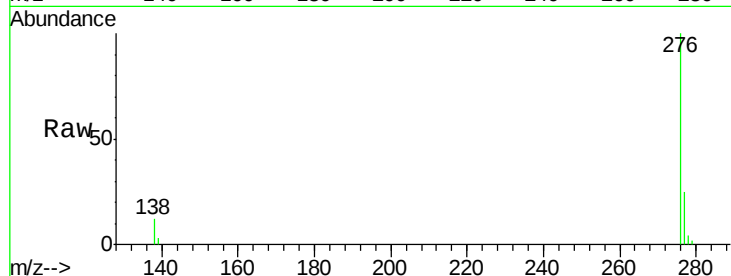
Acq: 1 May 2019 10:17

Instrument :

BNA_E

ClientSampleId :

PST-004-B162-042319MSD



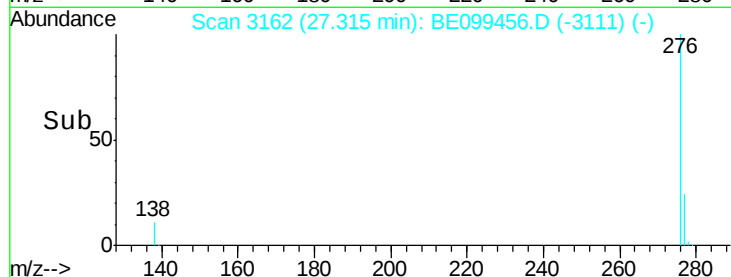
Tot Ion: 276 Resp: 28283

Ion Ratio Lower Upper

276 100

277 25.3 19.5 29.3

138 12.4 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

