

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099096.D
 Acq On : 23 Mar 2019 1:10
 Operator : JU/SJ
 Sample : K1947-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B130-031319

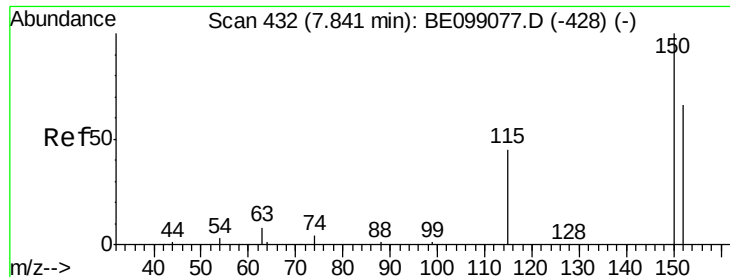
Quant Time: Mar 23 02:10:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 23 00:46:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3876	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	15273	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	10099	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	26464	0.40	ng	0.00
27) Chrysene-d12	21.39	240	38888	0.40	ng	0.00
34) Perylene-d12	23.90	264	43498	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4769	0.41	ng	0.00
5) Phenol-d6	6.99	99	6929	0.42	ng	0.00
8) Nitrobenzene-d5	9.16	82	210	0.03	ng	0.17
11) 2-Methylnaphthalene-d10	12.22	152	8486	0.31	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1859	0.63	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12770	0.32	ng	0.00
25) Fluoranthene-d10	19.24	212	98948	0.28	ng	0.00
29) Terphenyl-d14	19.84	244	20031	0.24	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	230	0.074	ng	# 1
6) bis(2-Chloroethyl)ether	7.28	93	11366	0.842	ng	# 1
22) Pentachlorophenol	16.87	266	47	0.260	ng	94
23) Phenanthrene	17.25	178	3541	0.045	ng	# 82
26) Fluoranthene	19.27	202	6149	0.056	ng	# 81
28) Pyrene	19.63	202	6233	0.047	ng	# 94
30) Benzo(a)anthracene	21.37	228	3162	0.023	ng	# 92
31) Chrysene	21.43	228	3989	0.029	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.31	149	30304	0.170	ng	98
35) Benzo(b)fluoranthene	23.12	252	4900	0.033	ng	# 66
36) Benzo(k)fluoranthene	23.12	252	4900	0.033	ng	# 69
37) Benzo(a)pyrene	23.79	252	3210	0.023	ng	# 54

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.84 min Scan# 432

Delta R.T. -0.00 min

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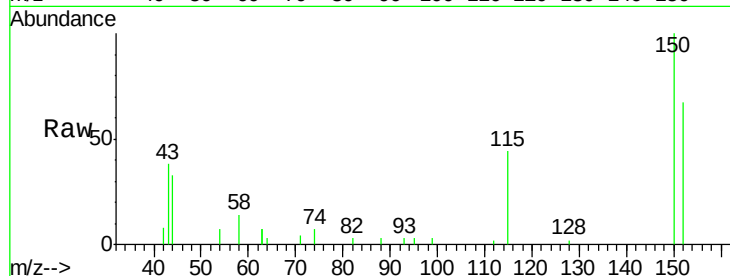
Tgt Ion:152 Resp: 3876

Ion Ratio Lower Upper

152 100

150 149.8 122.5 183.7

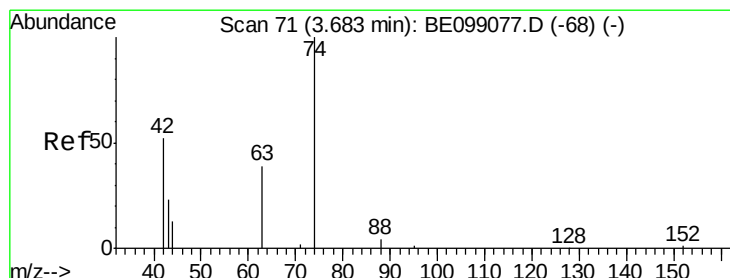
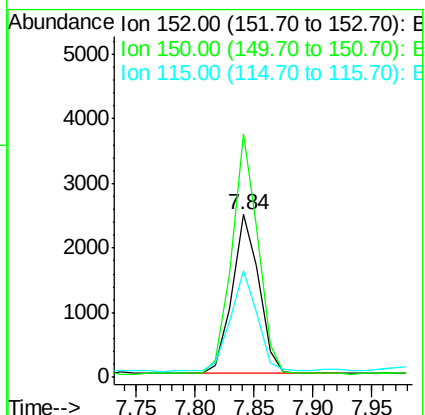
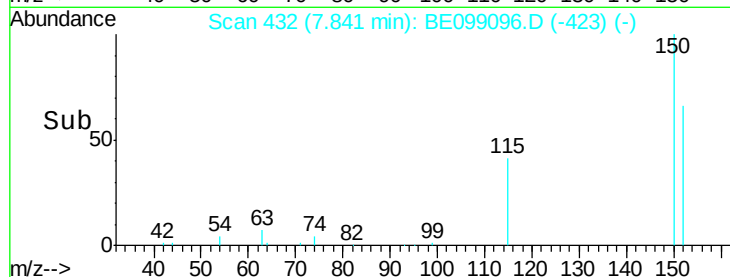
115 65.4 57.4 86.2



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



#3

n-Nitrosodimethylamine

Concen: 0.074 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.03 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

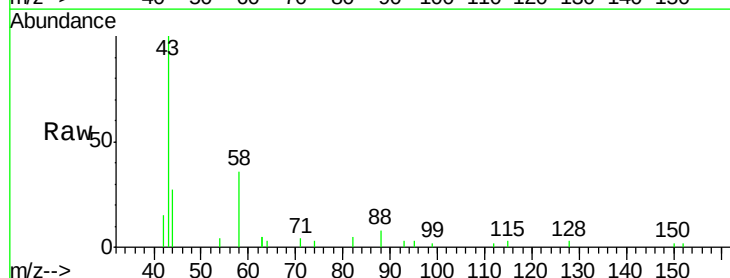
Tgt Ion: 42 Resp: 230

Ion Ratio Lower Upper

42 100

74 9.6 160.0 240.0#

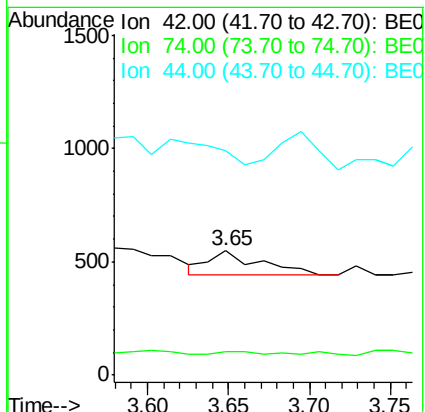
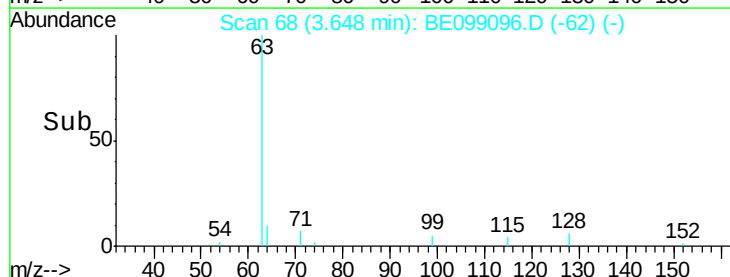
44 0.0 0.0 0.0

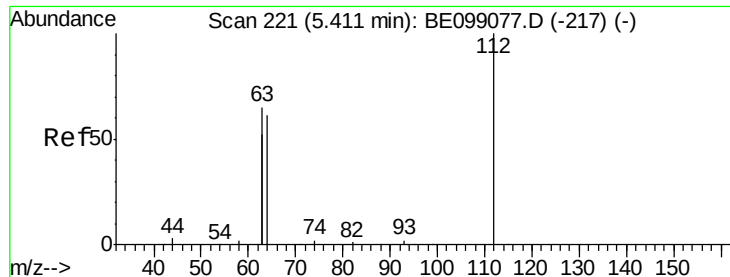


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0





#4

2-Fluorophenol

Concen: 0.413 ng

RT: 5.41 min Scan# 221

Delta R.T. -0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

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PST-025-B130-031319

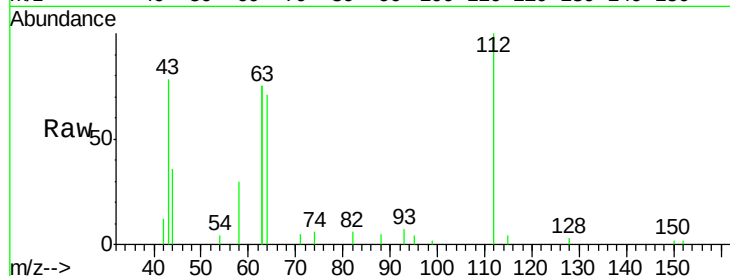
Tgt Ion: 112 Resp: 4769

Ion Ratio Lower Upper

112 100

64 61.3 57.9 86.9

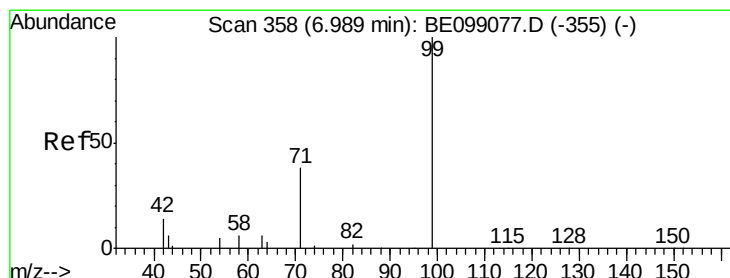
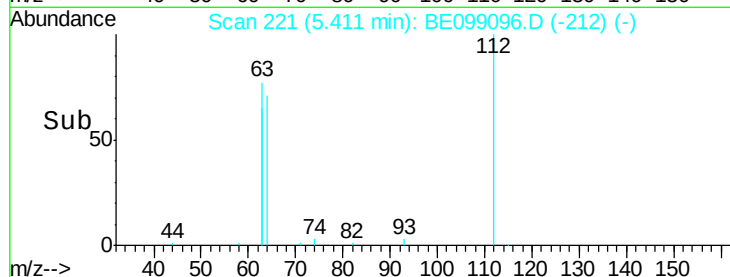
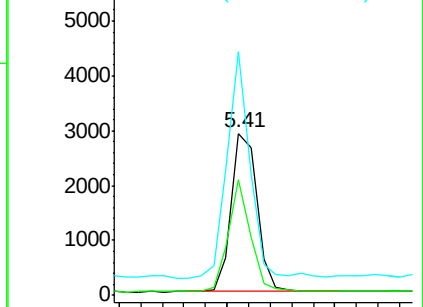
63 128.3 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE099096.D (-349) (-)

Ion 64.00 (63.70 to 64.70): BE099096.D (-349) (-)

Ion 63.00 (62.70 to 63.70): BE099096.D (-349) (-)



#5

Phenol-d6

Concen: 0.417 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

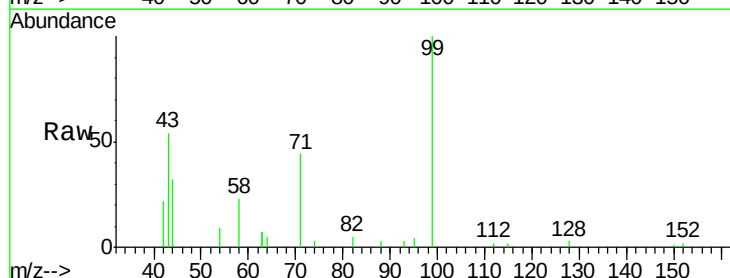
Tgt Ion: 99 Resp: 6929

Ion Ratio Lower Upper

99 100

42 19.5 24.2 36.2#

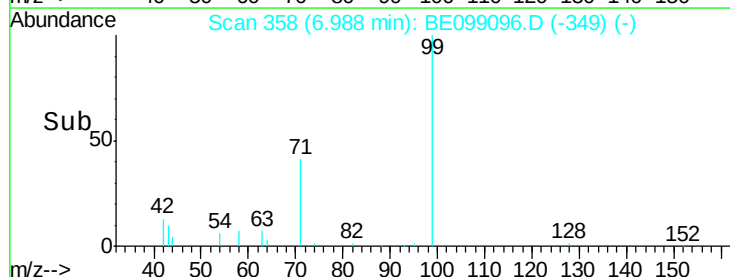
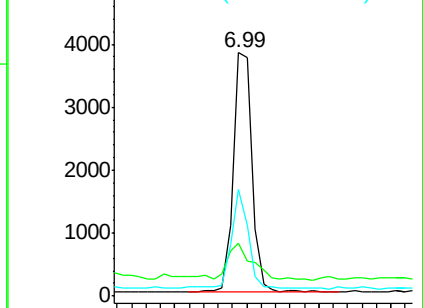
71 36.6 35.7 53.5

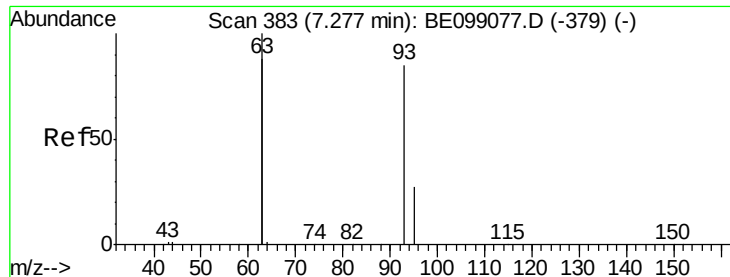


Abundance Ion 99.00 (98.70 to 99.70): BE099096.D (-349) (-)

Ion 42.00 (41.70 to 42.70): BE099096.D (-349) (-)

Ion 71.00 (70.70 to 71.70): BE099096.D (-349) (-)





#6

bis(2-Chloroethyl)ether

Concen: 0.842 ng

RT: 7.28 min Scan# 383

Delta R.T. -0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

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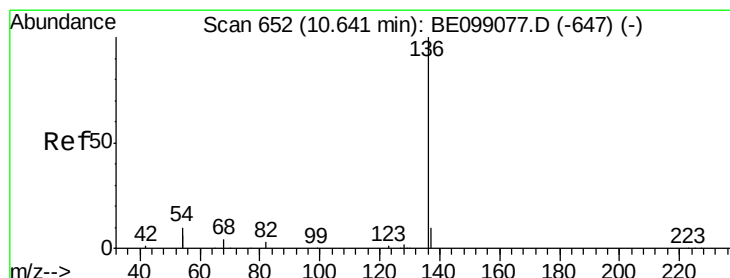
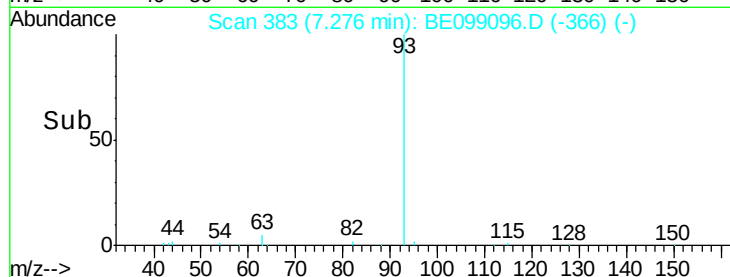
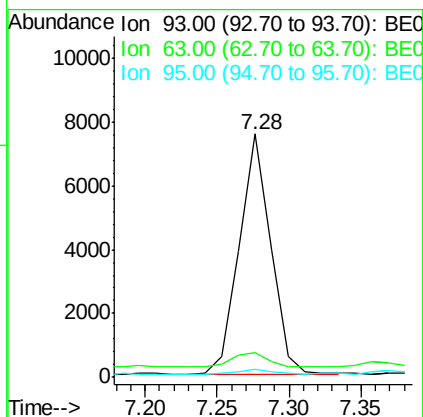
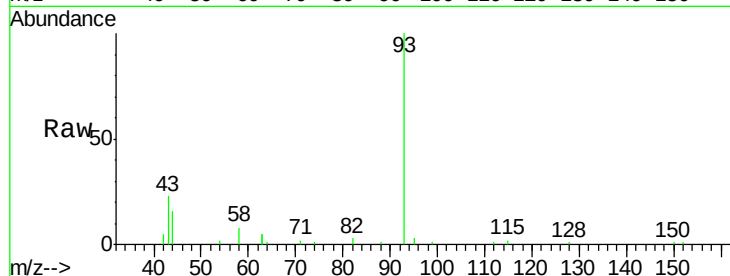
Tgt Ion: 93 Resp: 11366

Ion Ratio Lower Upper

93 100

63 7.1 247.5 371.3#

95 2.4 21.8 32.8#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Tgt Ion: 136 Resp: 15273

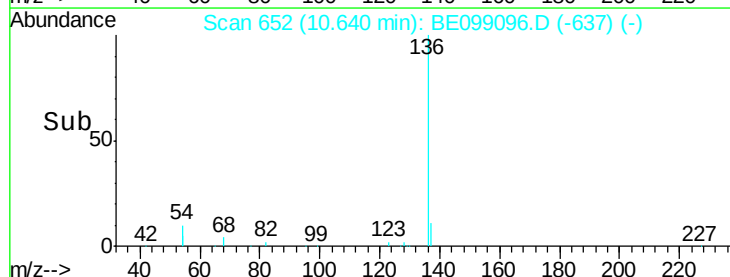
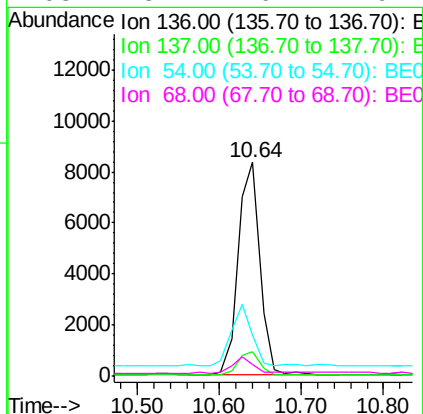
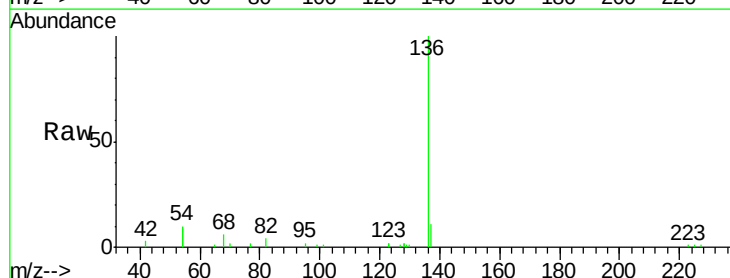
Ion Ratio Lower Upper

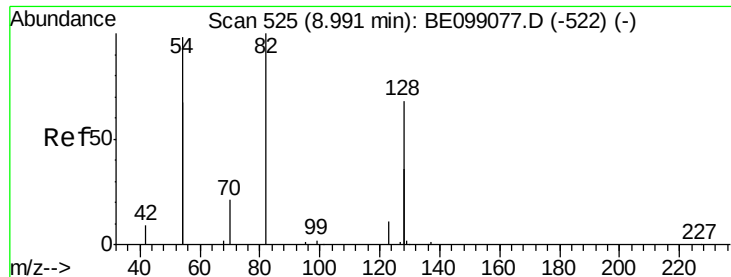
136 100

137 11.3 11.4 17.0#

54 19.3 39.3 58.9#

68 5.7 6.7 10.1#

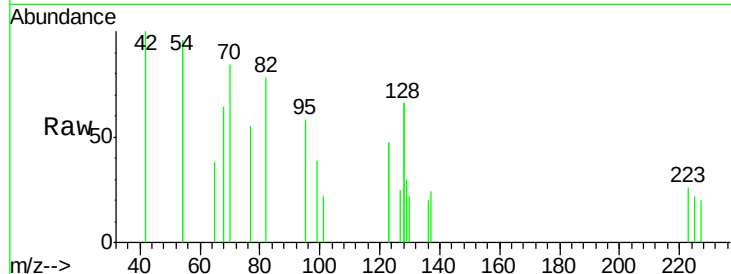




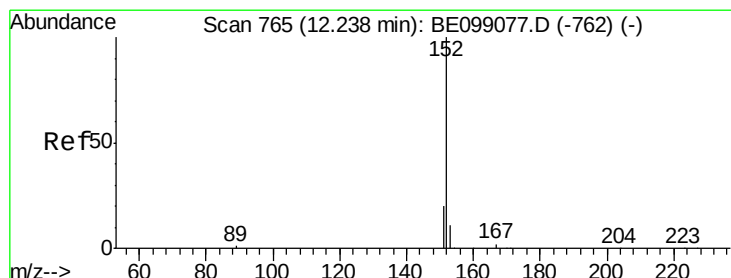
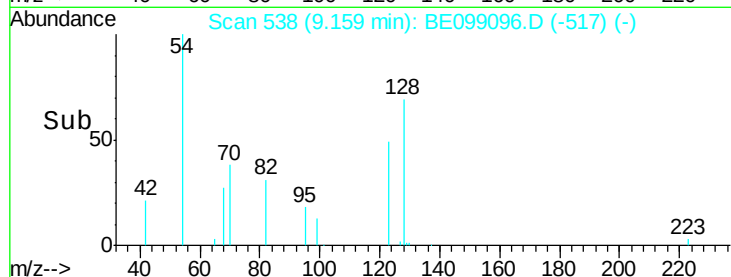
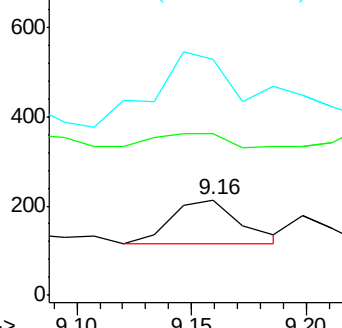
#8
 Nitrobenzene-d5
 Concen: 0.031 ng
 RT: 9.16 min Scan# 538
 Delta R.T. 0.17 min
 Lab File: BE099096.D
 Acq: 23 Mar 2019 1:10

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B130-031319

Tgt Ion: 82 Resp: 210
 Ion Ratio Lower Upper
 82 100
 128 169.2 123.8 185.8
 54 246.7 203.4 305.2

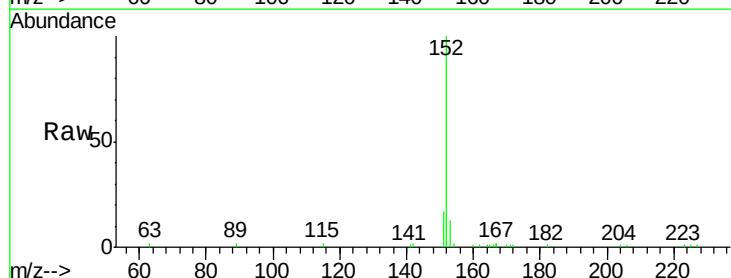


Abundance Ion 82.00 (81.70 to 82.70): BE0
 Ion 128.00 (127.70 to 128.70): BE0
 Ion 54.00 (53.70 to 54.70): BE0

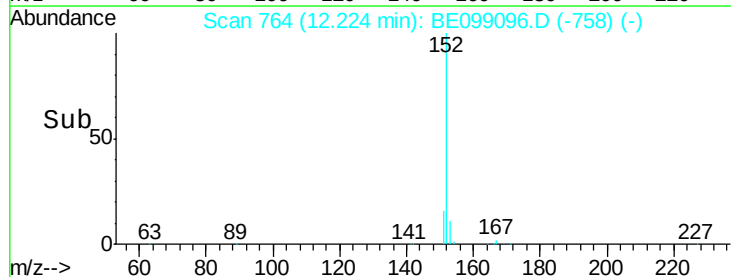
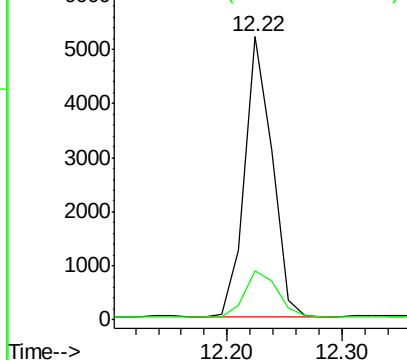


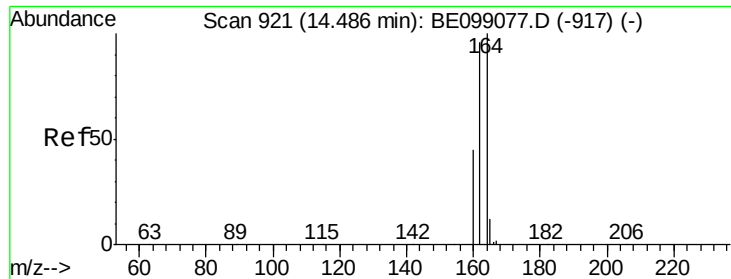
#11
 2-Methylnaphthalene-d10
 Concen: 0.308 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BE099096.D
 Acq: 23 Mar 2019 1:10

Tgt Ion: 152 Resp: 8486
 Ion Ratio Lower Upper
 152 100
 151 19.9 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

PST-025-B130-031319

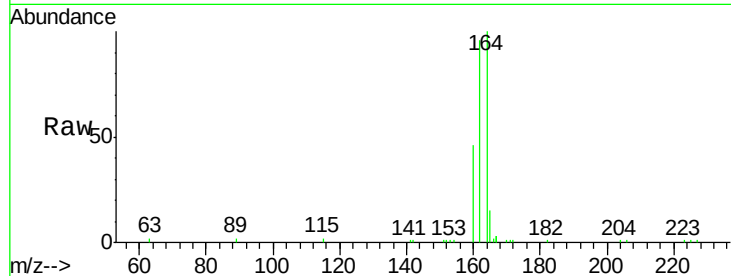
Tgt Ion:164 Resp: 10099

Ion Ratio Lower Upper

164 100

162 95.9 80.2 120.2

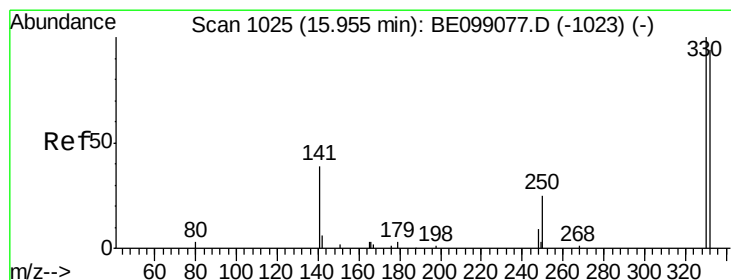
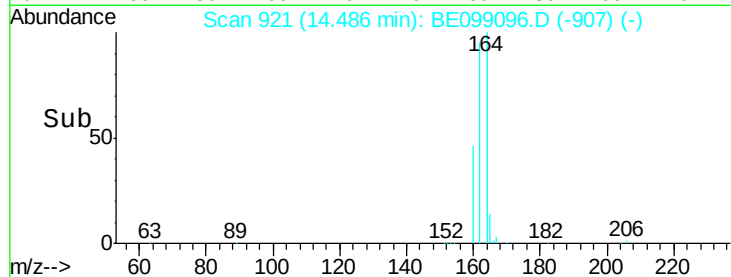
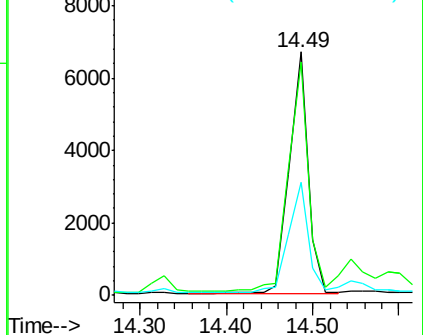
160 46.4 37.8 56.8



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: 0.626 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

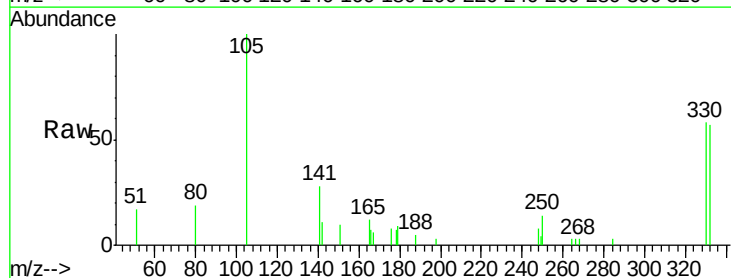
Tgt Ion:330 Resp: 1859

Ion Ratio Lower Upper

330 100

332 99.2 77.6 116.4

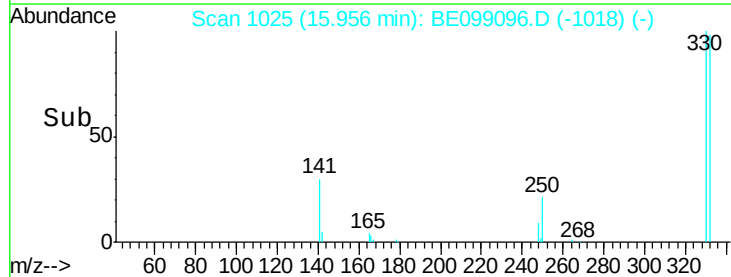
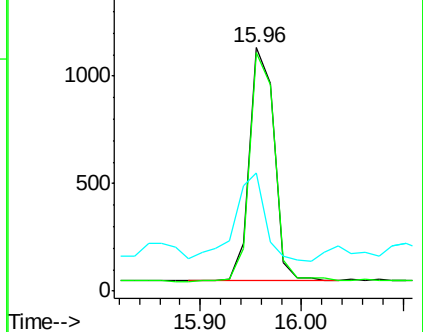
141 47.3 31.0 46.4#

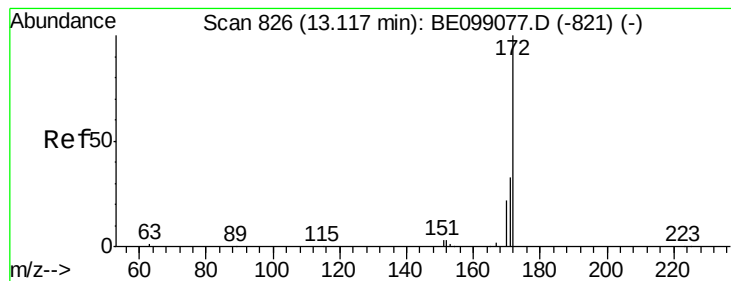


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.318 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

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ClientSampleId :

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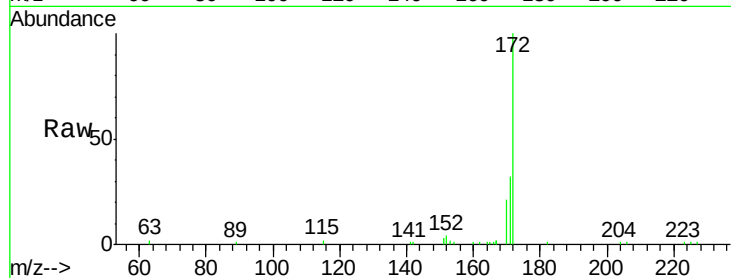
Tgt Ion:172 Resp: 12770

Ion Ratio Lower Upper

172 100

171 32.4 28.0 42.0

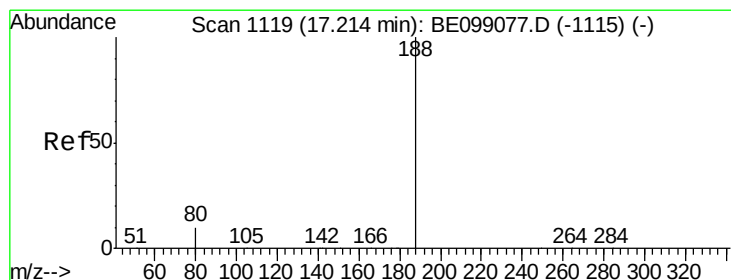
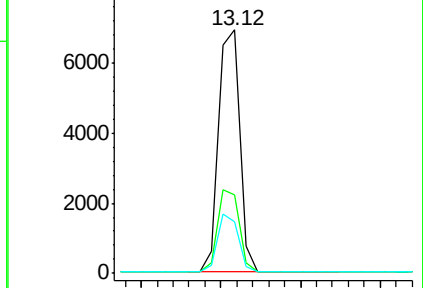
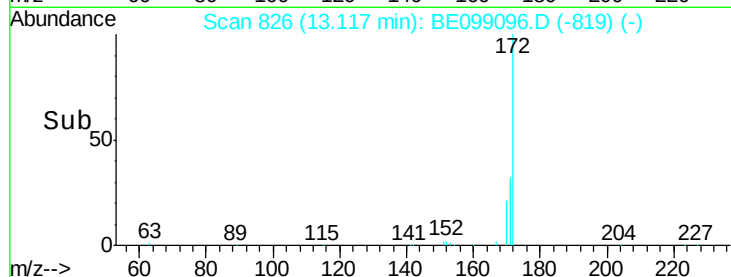
170 21.4 17.7 26.5



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

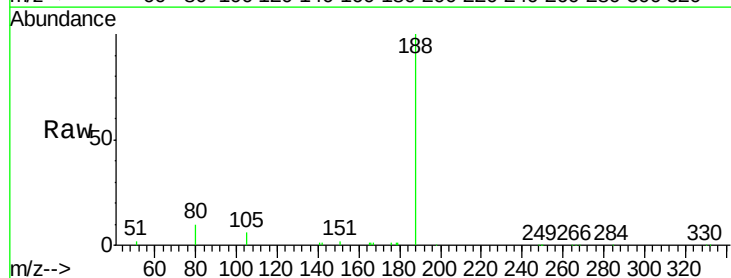
Tgt Ion:188 Resp: 26464

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

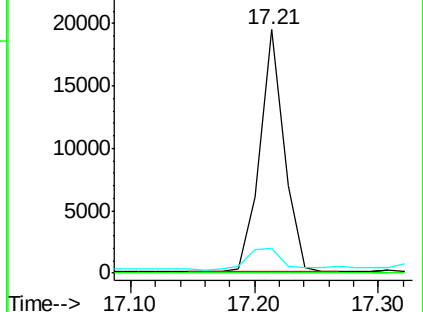
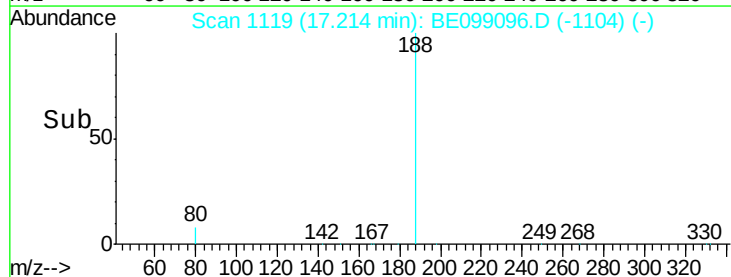
80 10.4 6.3 9.5#

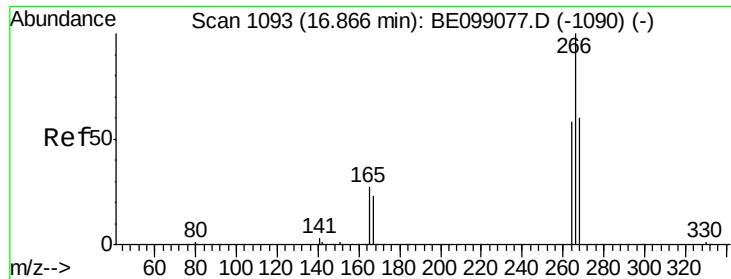


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.260 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

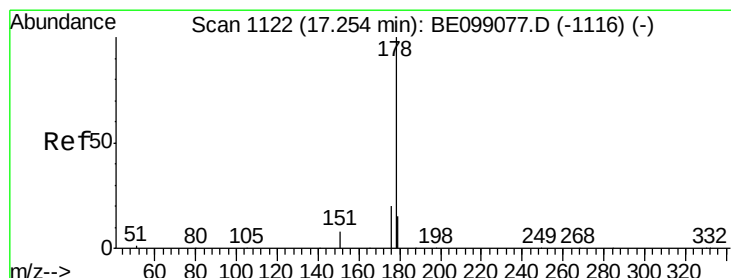
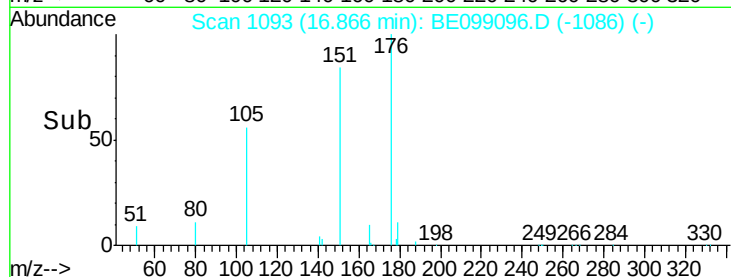
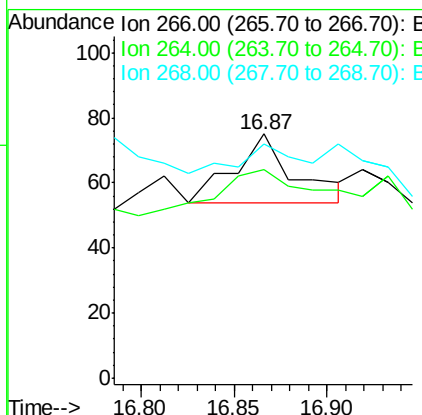
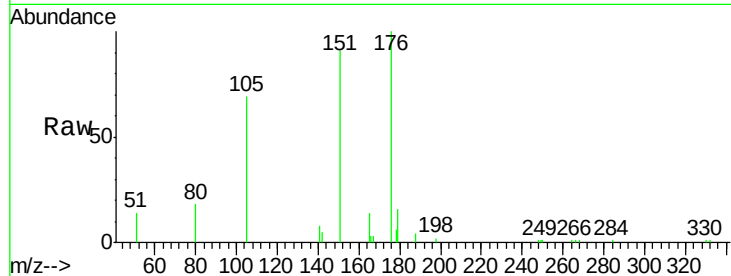
Instrument :

BNA_E

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PST-025-B130-031319

Tgt Ion:	266	Resp:	47
Ion	Ratio	Lower	Upper
266	100		
264	85.3	66.6	100.0
268	96.0	69.8	104.8



#23

Phenanthrene

Concen: 0.045 ng

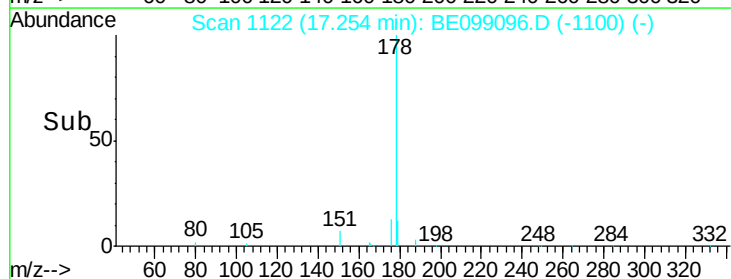
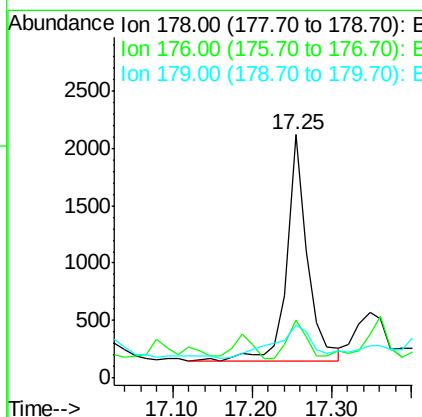
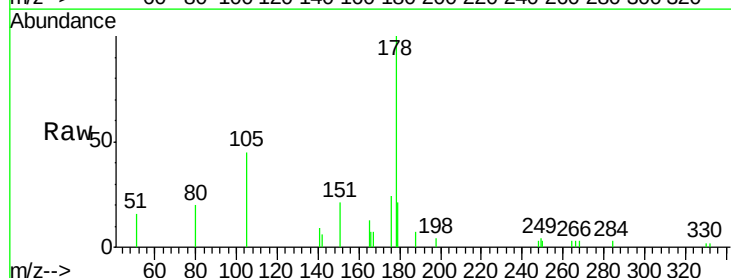
RT: 17.25 min Scan# 1122

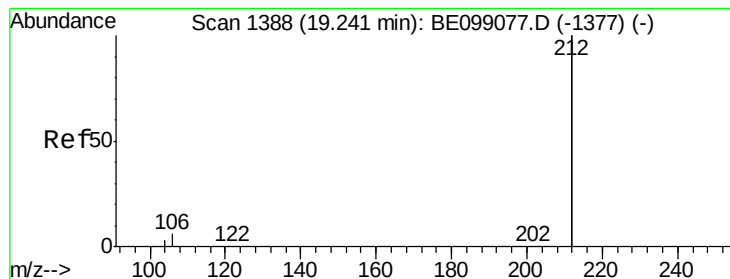
Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Tgt Ion:	178	Resp:	3541
Ion	Ratio	Lower	Upper
178	100		
176	15.5	16.0	24.0#
179	27.2	12.1	18.1#





#25

Fluoranthene-d10

Concen: 0.280 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

PST-025-B130-031319

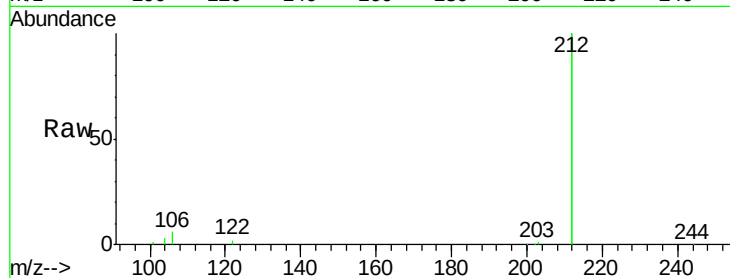
Tgt Ion:212 Resp: 98948

Ion Ratio Lower Upper

212 100

106 2.9 1.8 2.8#

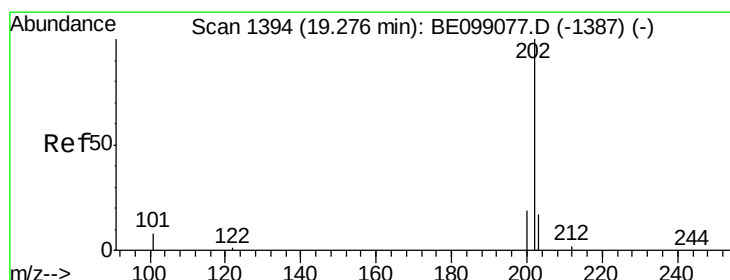
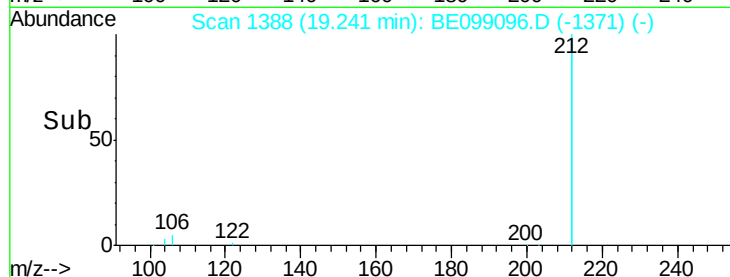
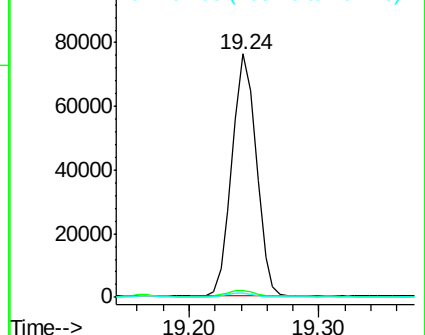
104 1.7 1.0 1.6#



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: 0.056 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

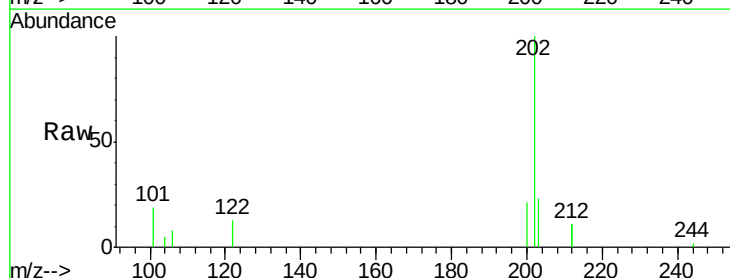
Tgt Ion:202 Resp: 6149

Ion Ratio Lower Upper

202 100

101 22.4 7.3 10.9#

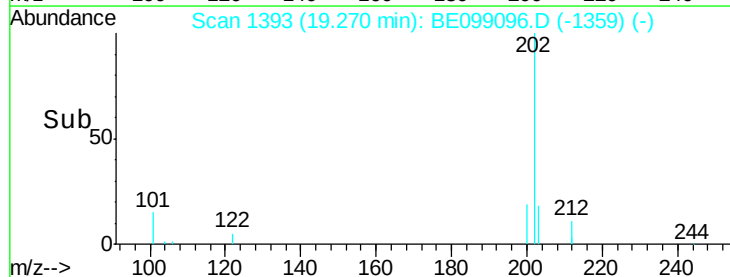
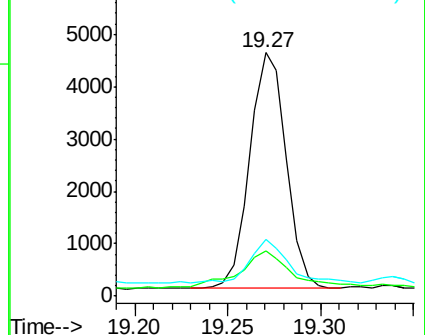
203 20.7 13.4 20.2#

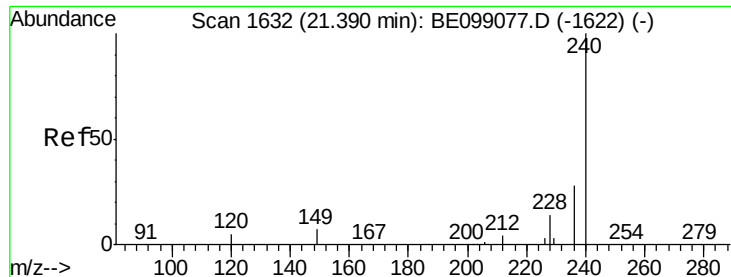


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

PST-025-B130-031319

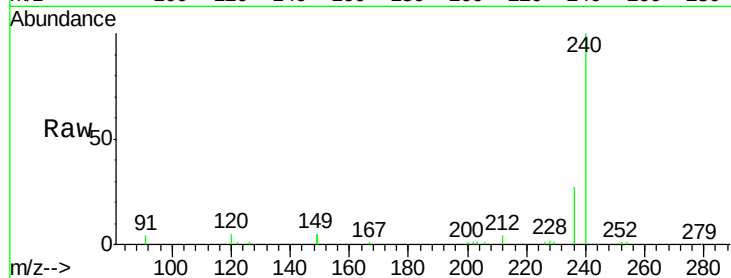
Tgt Ion:240 Resp: 38888

Ion Ratio Lower Upper

240 100

120 4.9 5.0 7.4#

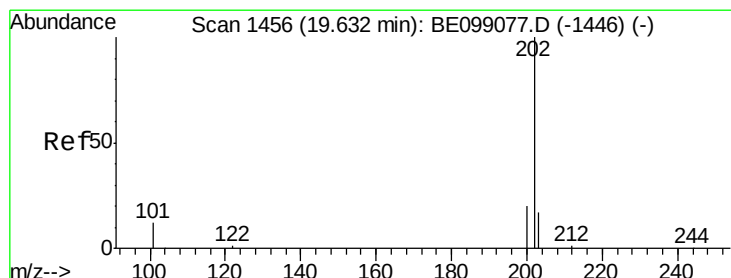
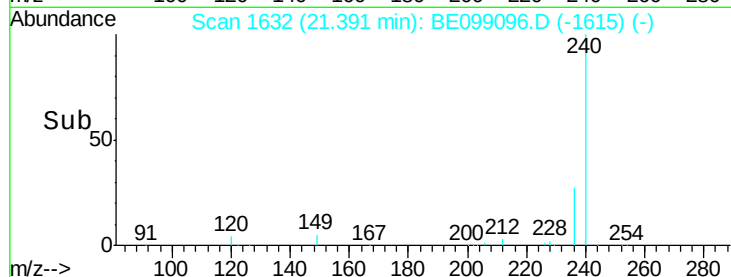
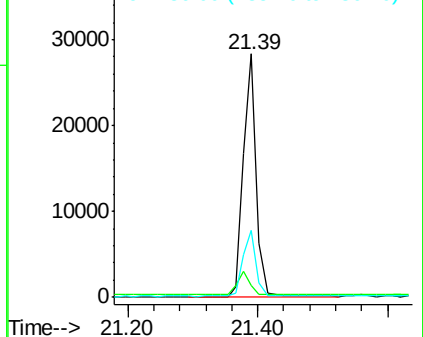
236 27.3 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.047 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

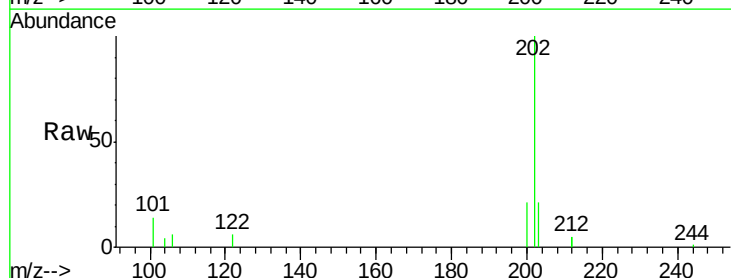
Tgt Ion:202 Resp: 6233

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

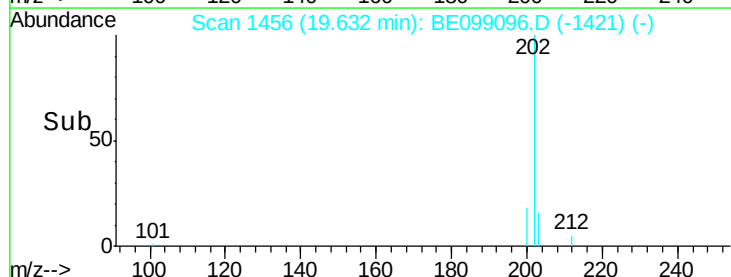
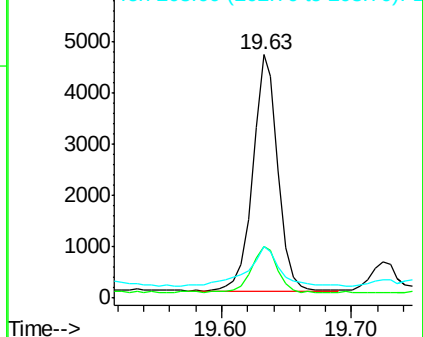
203 22.1 14.2 21.2#

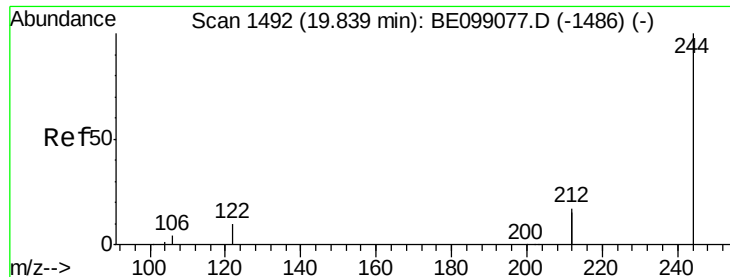


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.243 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

PST-025-B130-031319

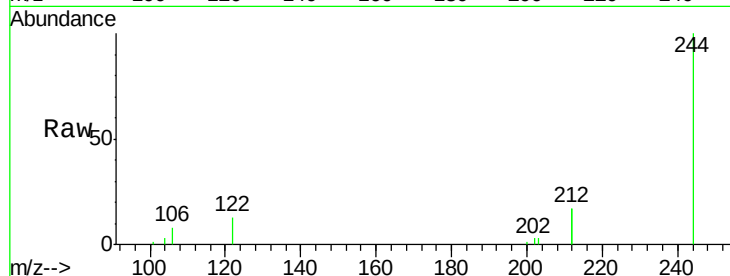
Tgt Ion:244 Resp: 20031

Ion Ratio Lower Upper

244 100

212 34.0 29.4 44.2

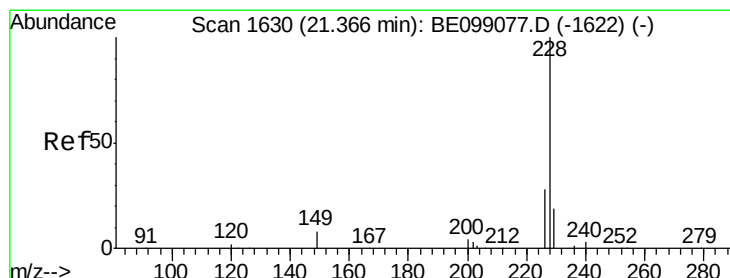
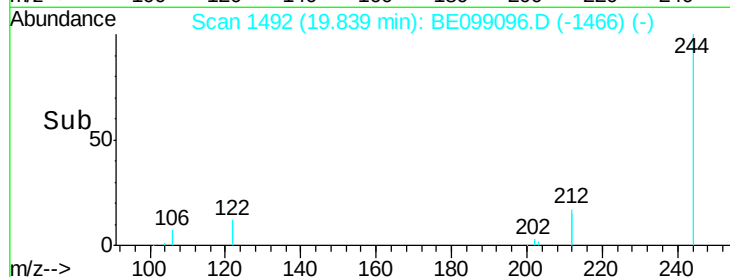
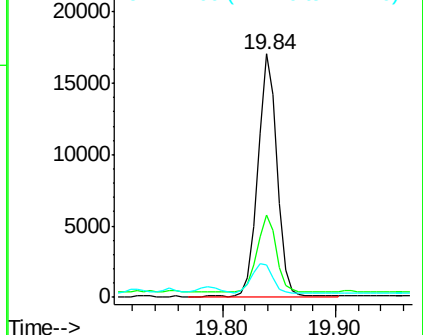
122 13.1 7.1 10.7#



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: 0.023 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

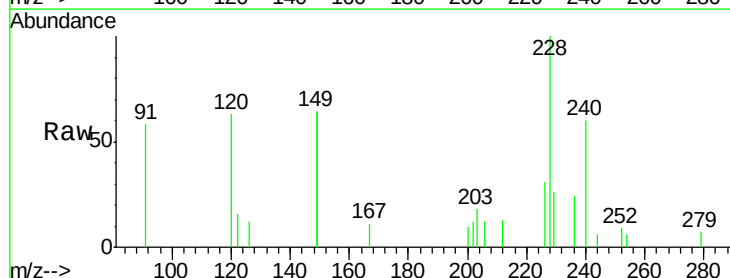
Tgt Ion:228 Resp: 3162

Ion Ratio Lower Upper

228 100

226 31.1 23.0 34.4

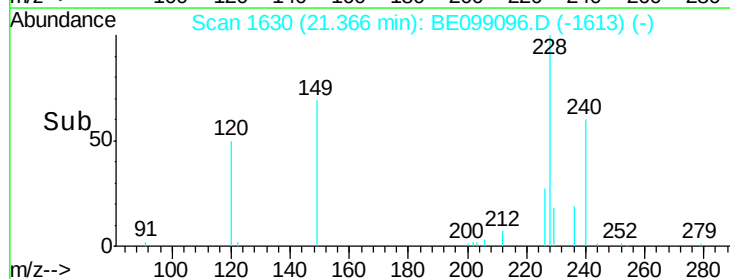
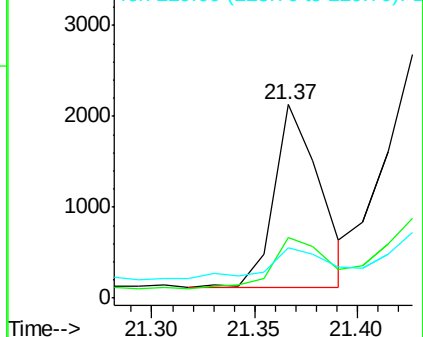
229 26.1 16.5 24.7#

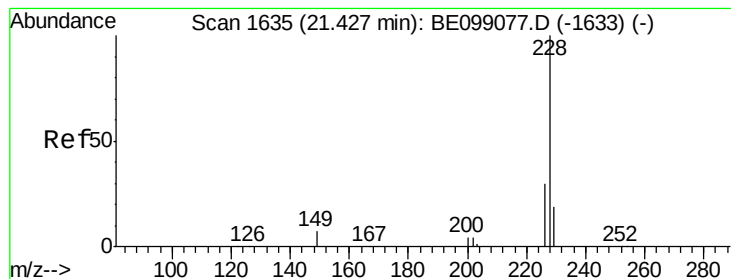


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.029 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

PST-025-B130-031319

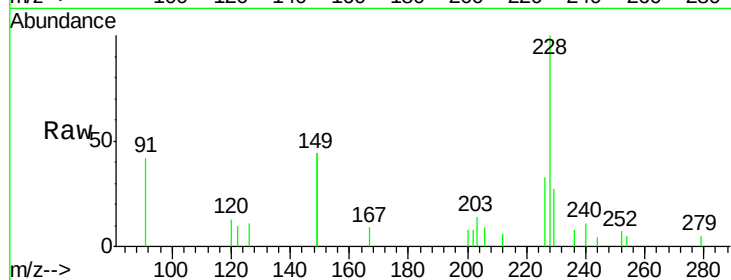
Tgt Ion: 228 Resp: 3989

Ion Ratio Lower Upper

228 100

226 32.8 23.7 35.5

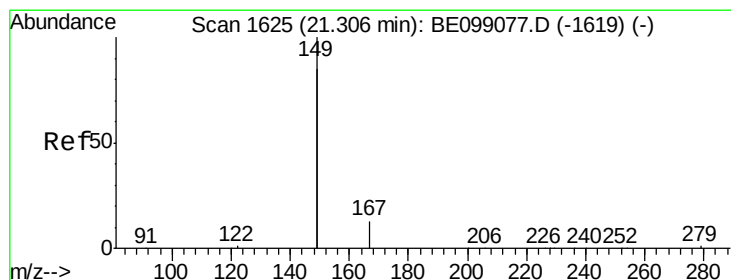
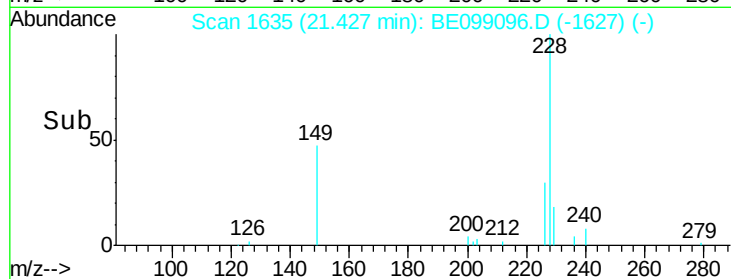
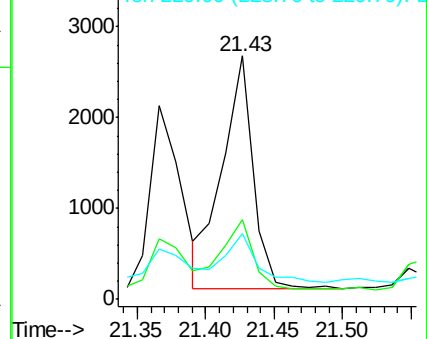
229 27.0 16.1 24.1#



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: 0.170 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

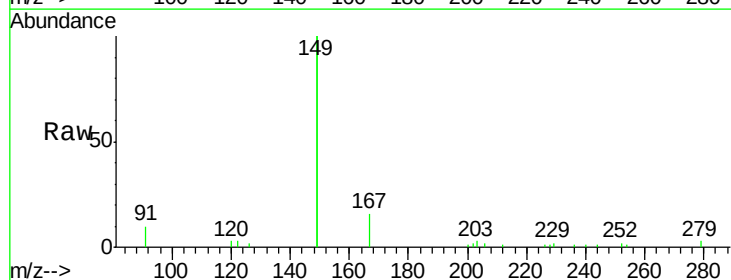
Tgt Ion: 149 Resp: 30304

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

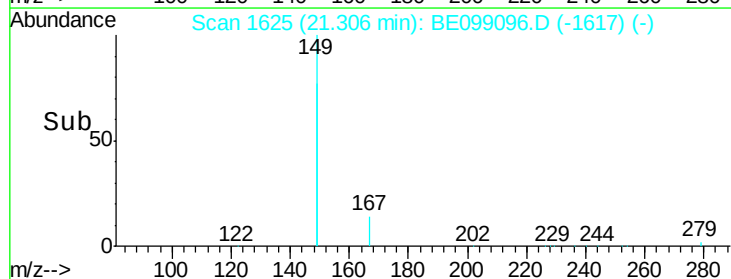
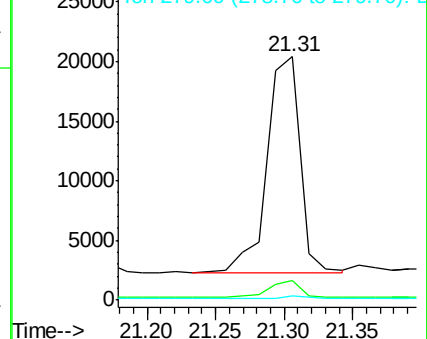
279 1.0 1.0 1.4

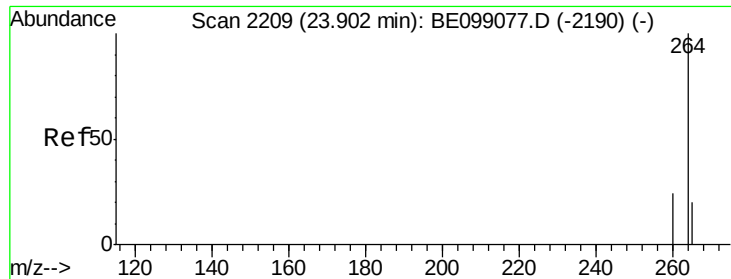


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

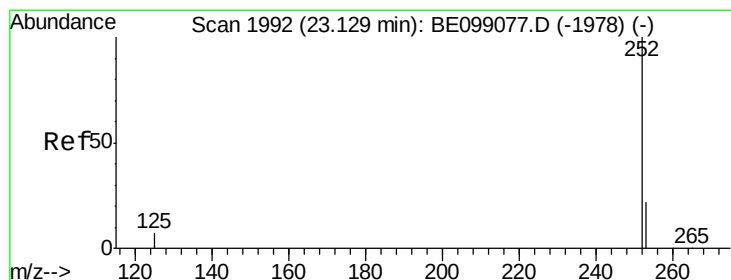
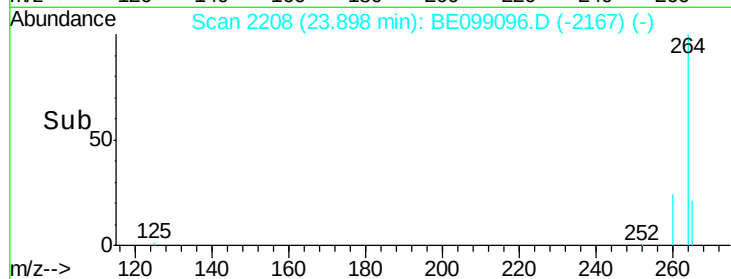
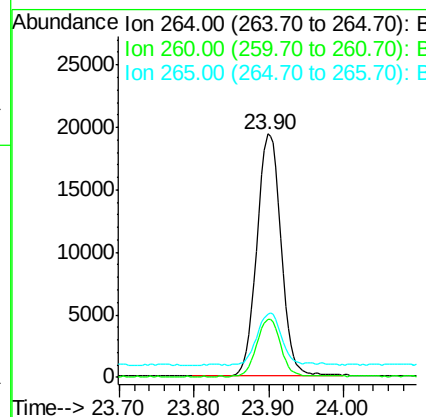
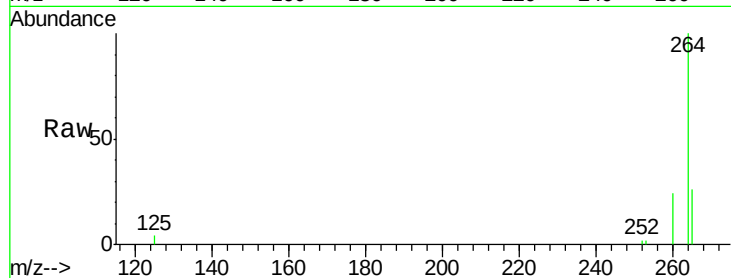




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099096.D
 Acq: 23 Mar 2019 1:10

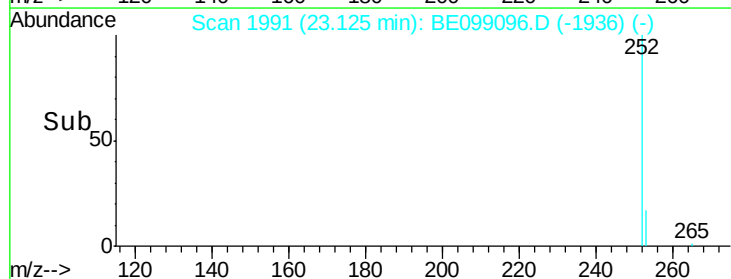
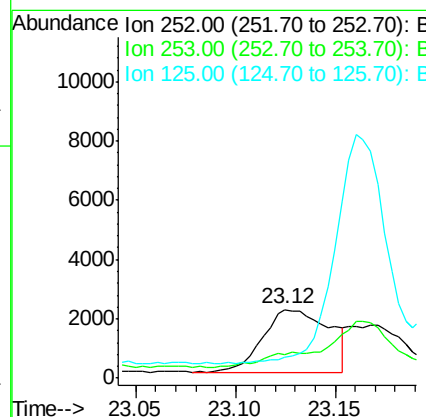
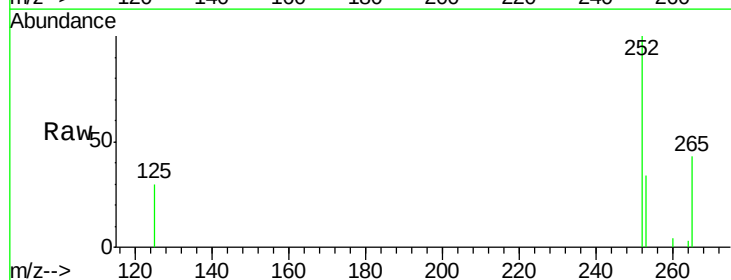
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B130-031319

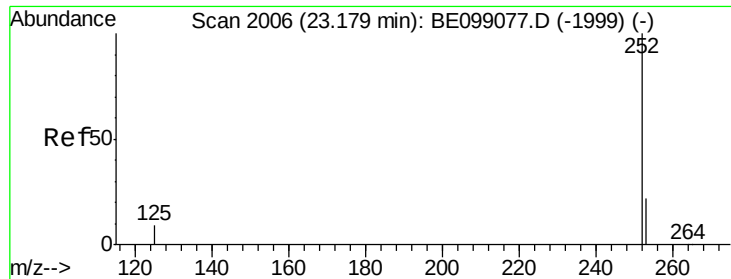
Tgt Ion: 264 Resp: 43498
 Ion Ratio Lower Upper
 264 100
 260 23.9 21.2 31.8
 265 25.7 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.033 ng
 RT: 23.12 min Scan# 1991
 Delta R.T. -0.00 min
 Lab File: BE099096.D
 Acq: 23 Mar 2019 1:10

Tgt Ion: 252 Resp: 4900
 Ion Ratio Lower Upper
 252 100
 253 34.1 18.2 27.2#
 125 30.2 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.033 ng

RT: 23.12 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

Instrument :

BNA_E

ClientSampleId :

PST-025-B130-031319

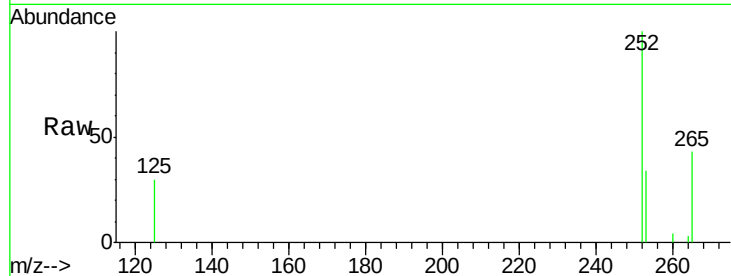
Tgt Ion:252 Resp: 4900

Ion Ratio Lower Upper

252 100

253 34.1 19.3 28.9#

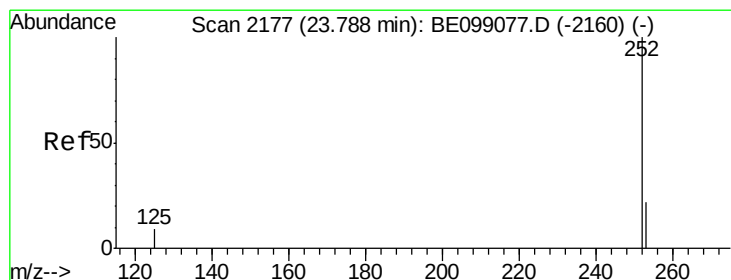
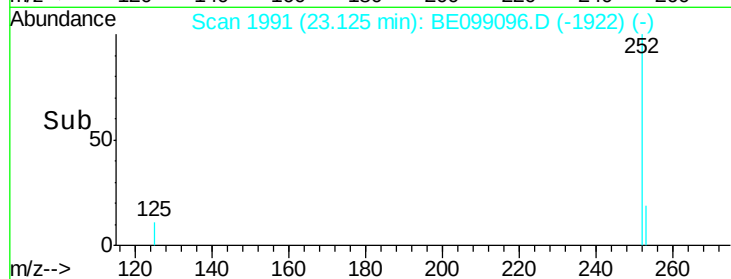
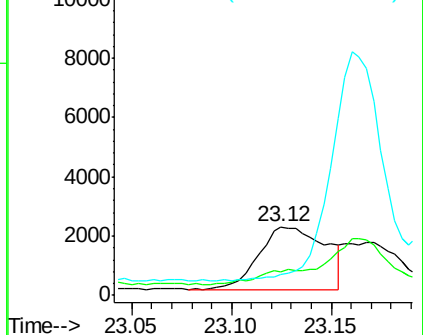
125 30.2 7.5 11.3#



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: 0.023 ng

RT: 23.79 min Scan# 2177

Delta R.T. -0.00 min

Lab File: BE099096.D

Acq: 23 Mar 2019 1:10

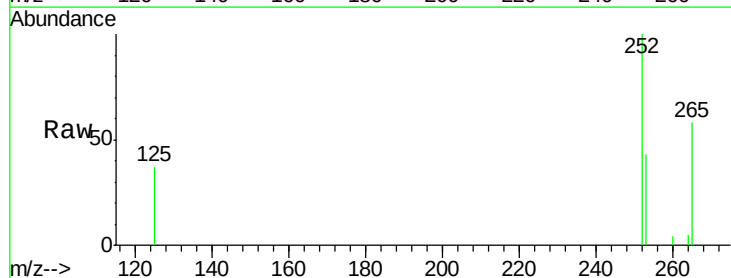
Tgt Ion:252 Resp: 3210

Ion Ratio Lower Upper

252 100

253 43.3 19.9 29.9#

125 36.6 9.0 13.4#



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

