

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099092.D
 Acq On : 22 Mar 2019 22:41
 Operator : JU/SJ
 Sample : K1948-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

Quant Time: Mar 23 01:16:01 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	3314	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12788	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8714	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	24258	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35365	0.40	ng	0.00
34) Perylene-d12	23.90	264	39818	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3497	0.35	ng	0.00
5) Phenol-d6	6.99	99	5063	0.36	ng	0.00
8) Nitrobenzene-d5	9.16	82	144	0.03	ng	0.17
11) 2-Methylnaphthalene-d10	12.22	152	7327	0.32	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1161	0.45	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	10267	0.30	ng	0.00
25) Fluoranthene-d10	19.24	212	105387	0.33	ng	0.00
29) Terphenyl-d14	19.84	244	17756	0.24	ng	0.00

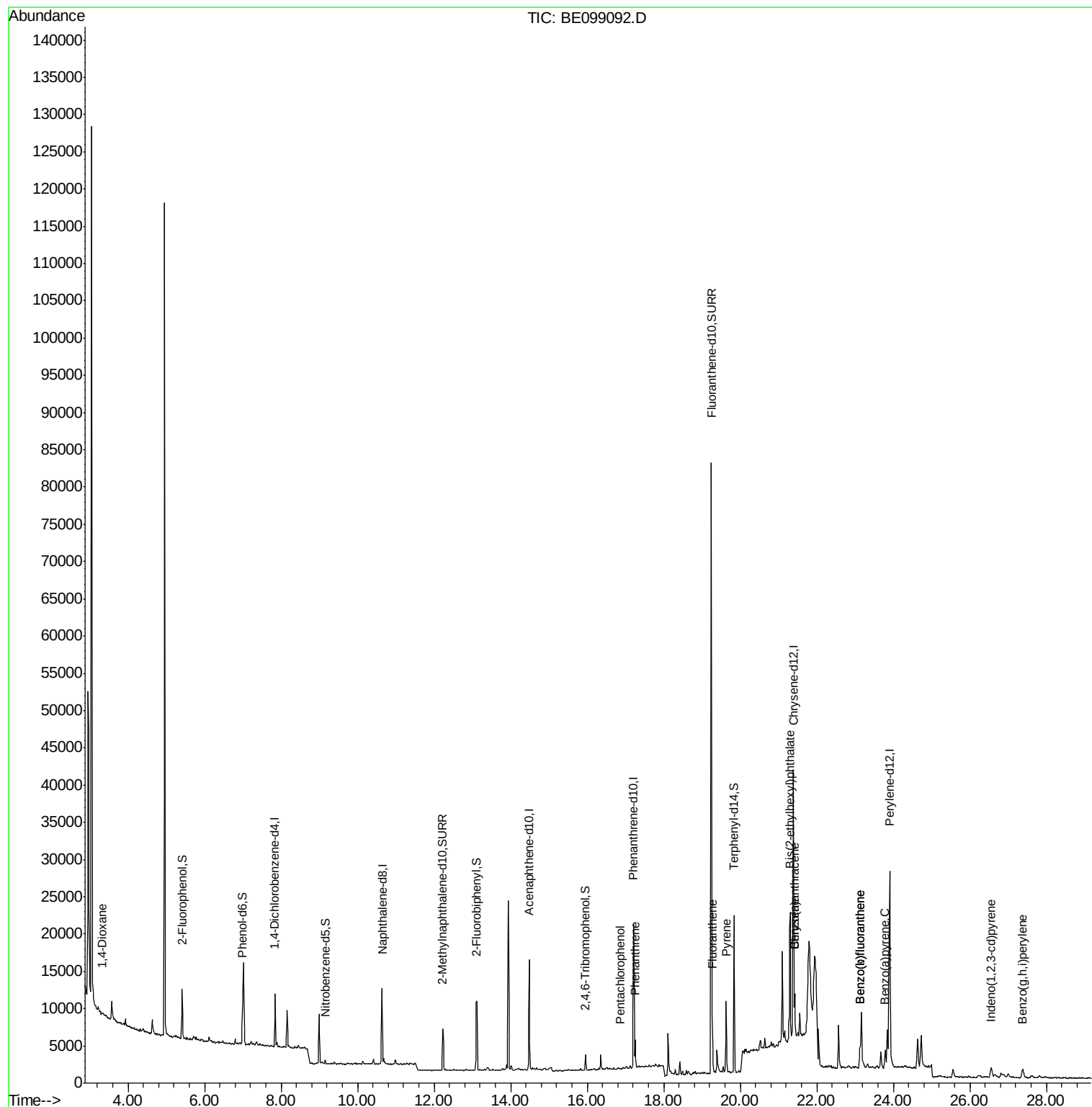
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.33	88	192	0.037	ng	# 1
22) Pentachlorophenol	16.87	266	36	0.258	ng	87
23) Phenanthrene	17.25	178	3611	0.050	ng	95
26) Fluoranthene	19.27	202	6355	0.063	ng	# 92
28) Pyrene	19.63	202	8501	0.071	ng	97
30) Benzo(a)anthracene	21.43	228	5221	0.042	ng	92
31) Chrysene	21.43	228	5178	0.042	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.31	149	28896	0.179	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	2707	0.020	ng	# 86
35) Benzo(b)fluoranthene	23.13	252	5363	0.039	ng	# 66
36) Benzo(k)fluoranthene	23.13	252	5363	0.040	ng	# 69
37) Benzo(a)pyrene	23.79	252	4023	0.032	ng	# 73
39) Benzo(g,h,i)perylene	27.38	276	2824	0.022	ng	# 80

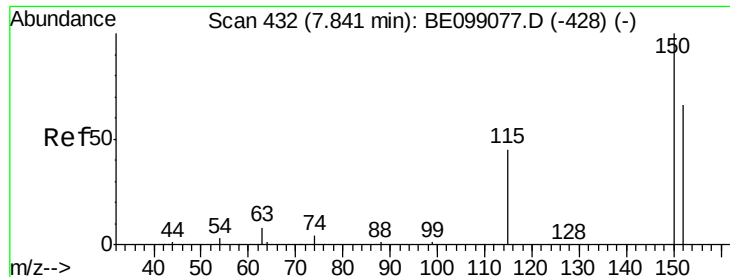
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099092.D
Acq On : 22 Mar 2019 22:41
Operator : JU/SJ
Sample : K1948-13
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

Quant Time: Mar 23 01:16:01 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



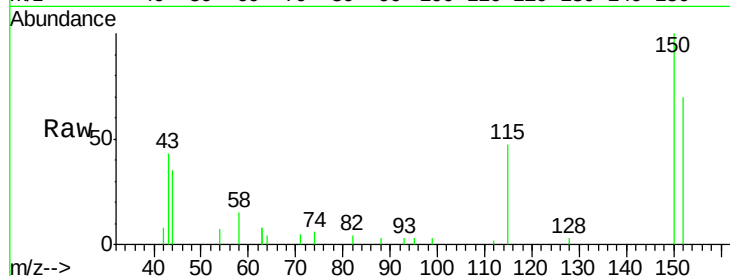


#1

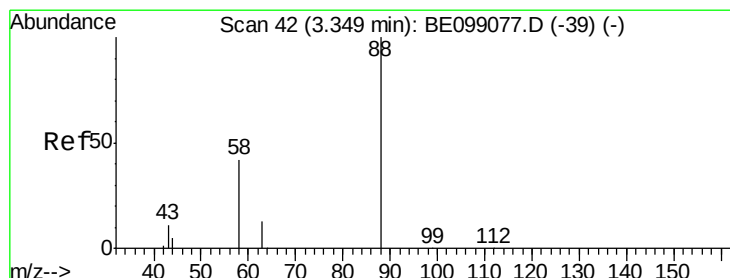
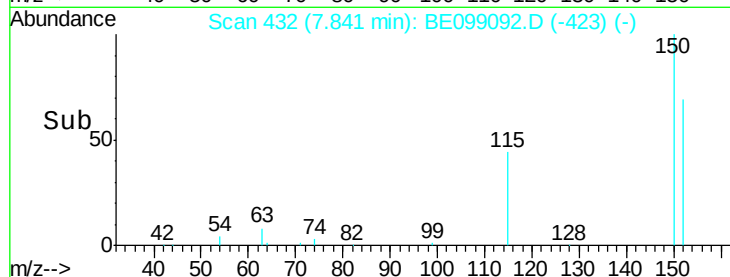
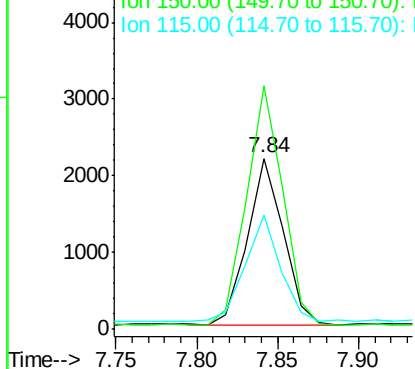
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Instrument :
BNA_E
ClientSampleId :
PST-025-SW047-031319

Tgt Ion: 152 Resp: 3314
Ion Ratio Lower Upper
152 100
150 142.6 122.5 183.7
115 67.2 57.4 86.2



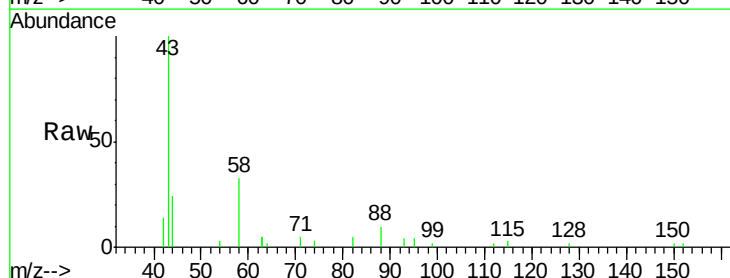
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



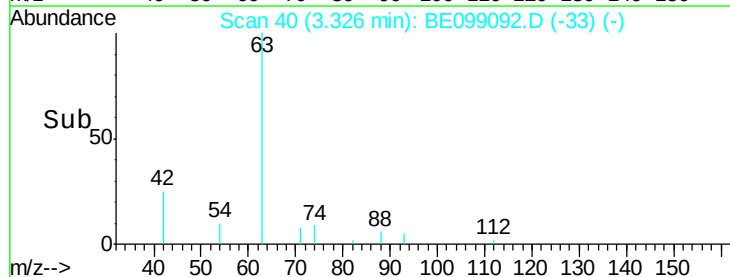
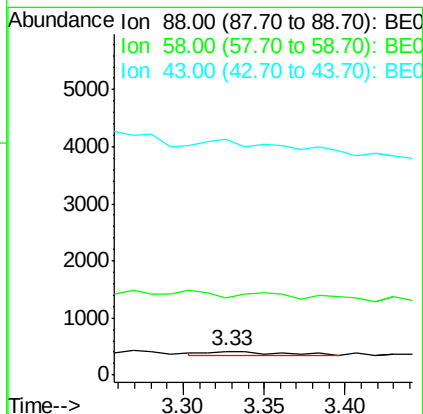
#2

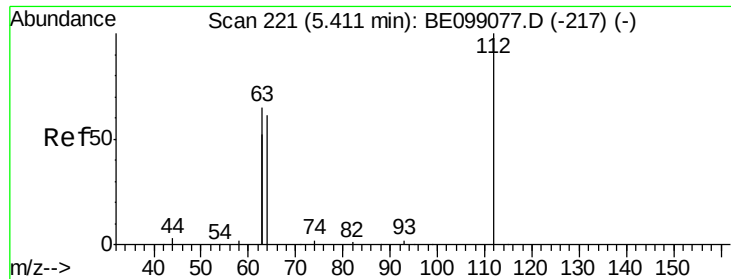
1,4-Dioxane
Concen: 0.037 ng
RT: 3.33 min Scan# 40
Delta R.T. -0.02 min
Lab File: BE099092.D
Acq: 22 Mar 2019 22:41

Tgt Ion: 88 Resp: 192
Ion Ratio Lower Upper
88 100
58 0.0 52.0 78.0#
43 500.5 24.0 36.0#



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





#4

2-Fluorophenol

Concen: 0.354 ng

RT: 5.41 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

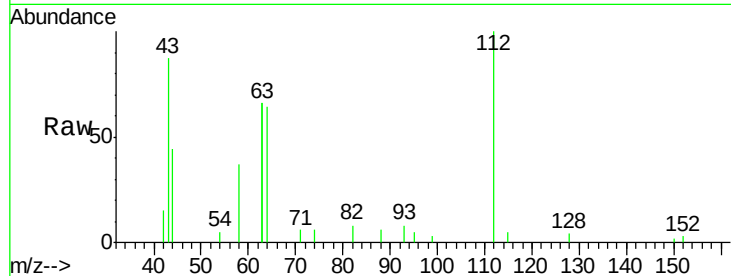
Tgt Ion: 112 Resp: 3497

Ion Ratio Lower Upper

112 100

64 57.5 57.9 86.9#

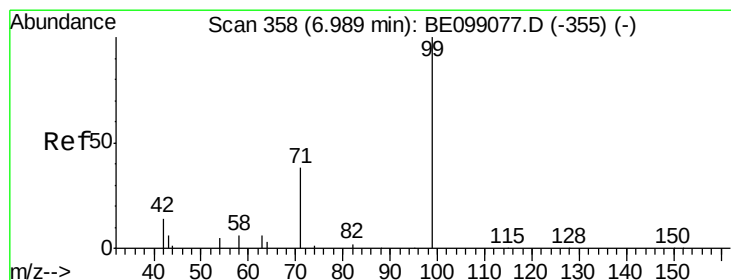
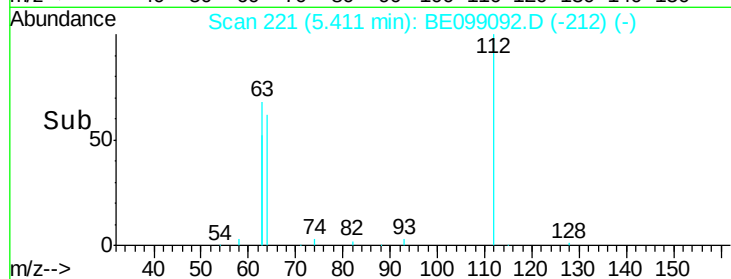
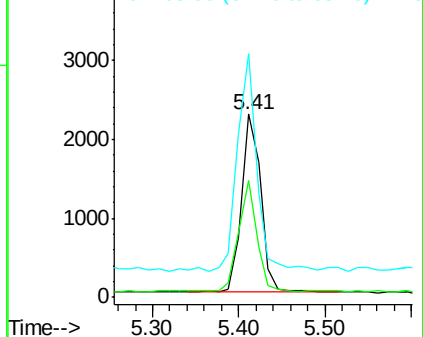
63 119.4 158.3 237.5#



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 0.356 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

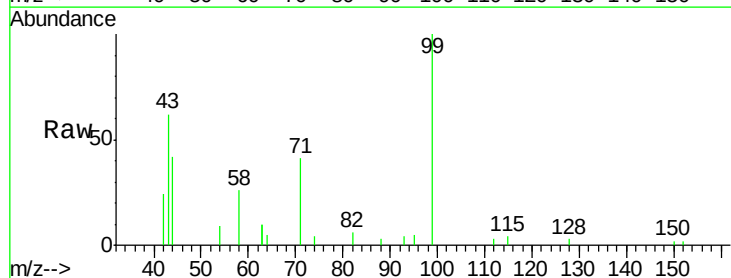
Tgt Ion: 99 Resp: 5063

Ion Ratio Lower Upper

99 100

42 21.1 24.2 36.2#

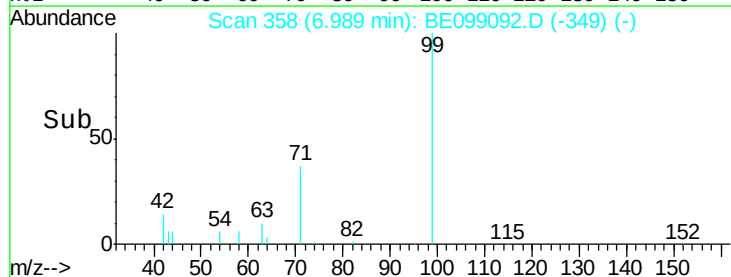
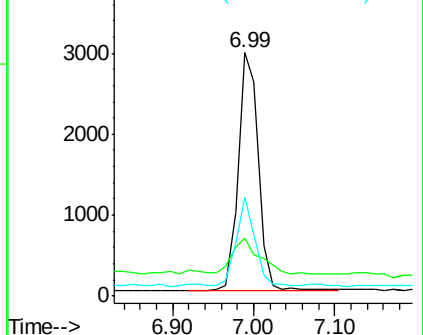
71 34.4 35.7 53.5#

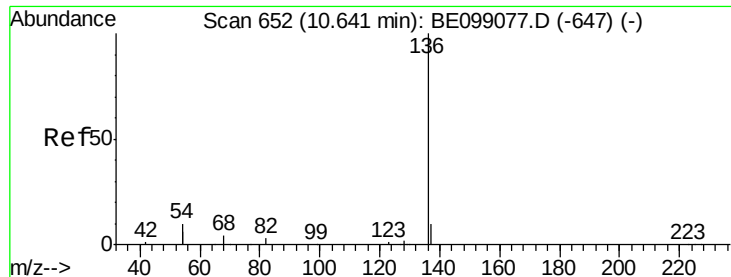


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

Tgt Ion:136 Resp: 12788

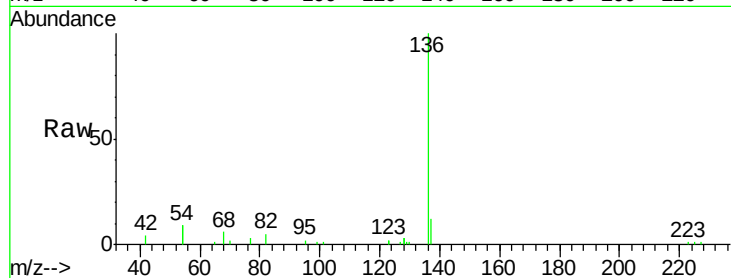
Ion Ratio Lower Upper

136 100

137 11.8 11.4 17.0

54 18.8 39.3 58.9#

68 5.7 6.7 10.1#

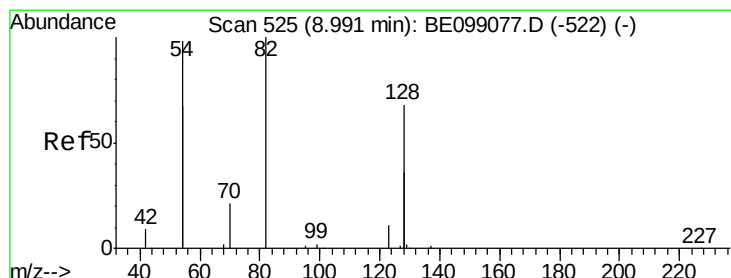
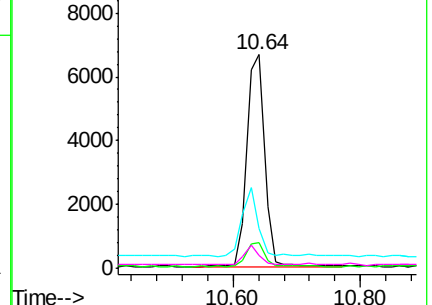
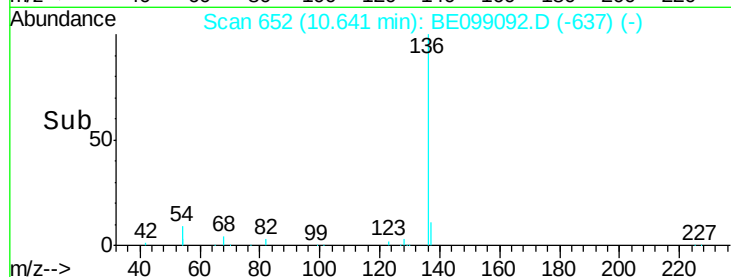


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.026 ng

RT: 9.16 min Scan# 538

Delta R.T. 0.17 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

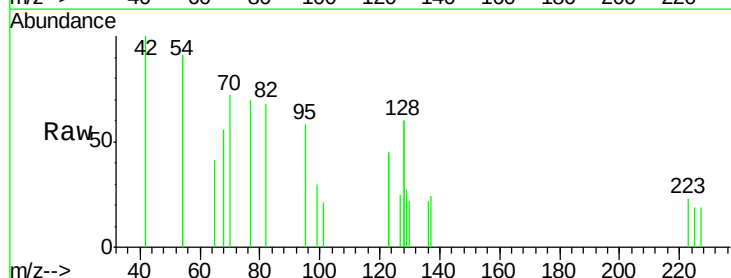
Tgt Ion: 82 Resp: 144

Ion Ratio Lower Upper

82 100

128 177.3 123.8 185.8

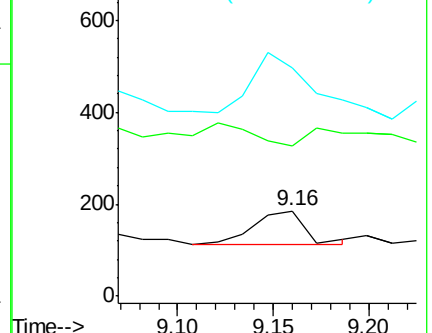
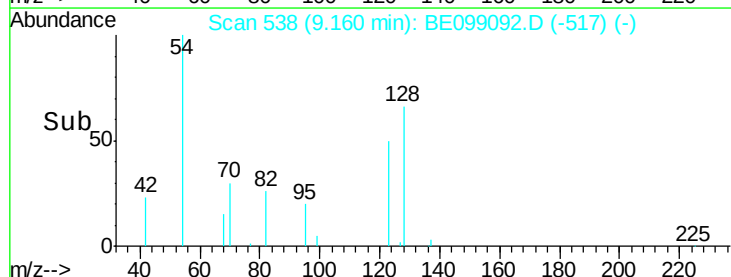
54 268.1 203.4 305.2

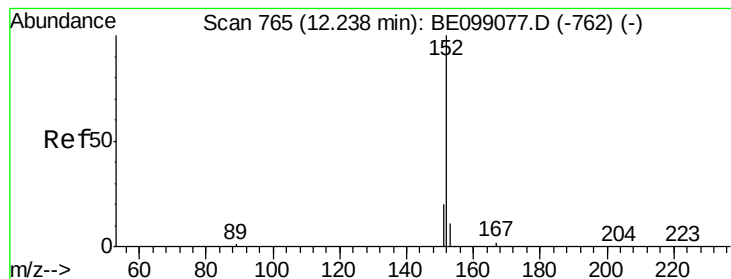


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#11

2-Methylnaphthalene-d10

Concen: 0.318 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

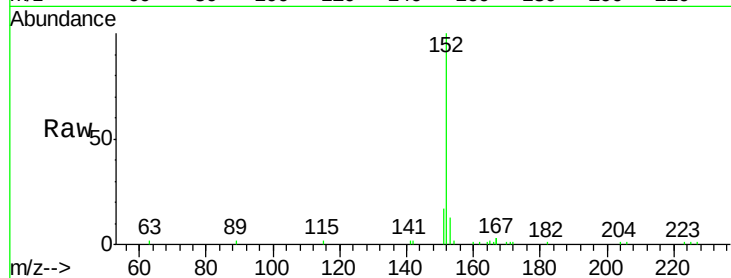
PST-025-SW047-031319

Tgt Ion:152 Resp: 7327

Ion Ratio Lower Upper

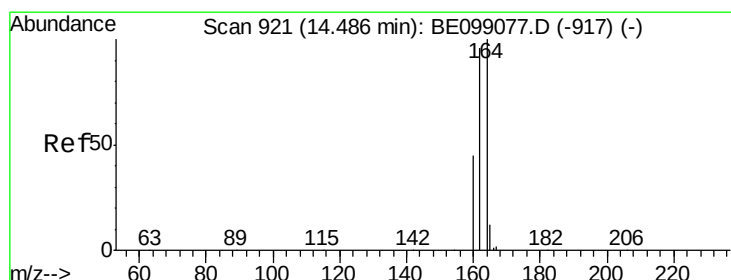
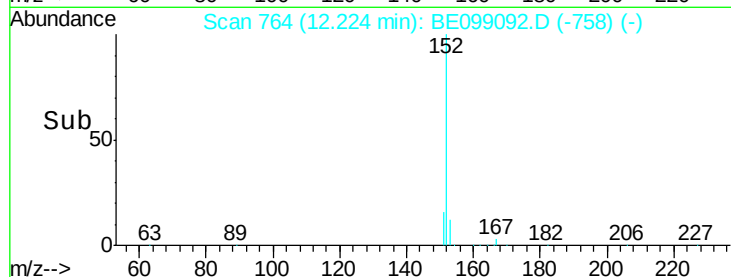
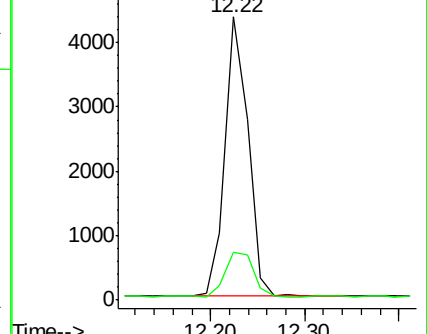
152 100

151 19.5 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: BE099092.D

Acq: 22 Mar 2019 22:41

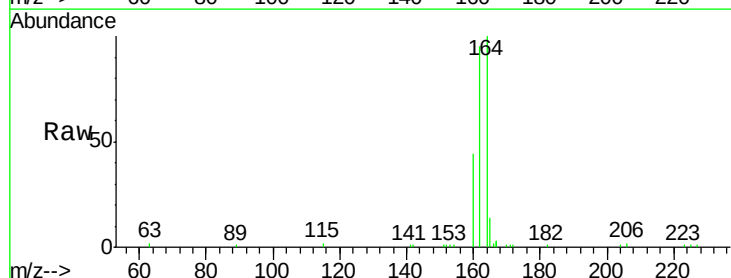
Tgt Ion:164 Resp: 8714

Ion Ratio Lower Upper

164 100

162 94.8 80.2 120.2

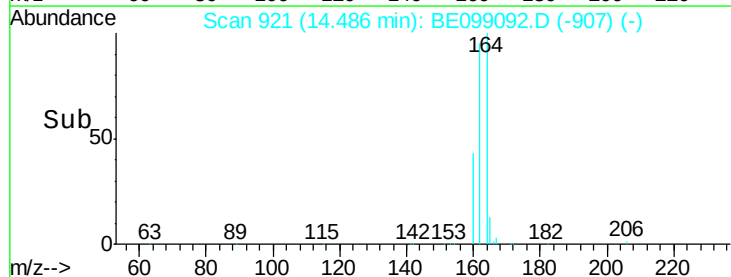
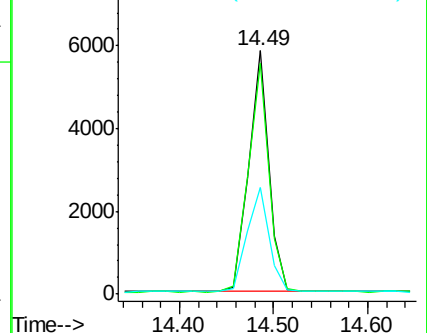
160 43.5 37.8 56.8

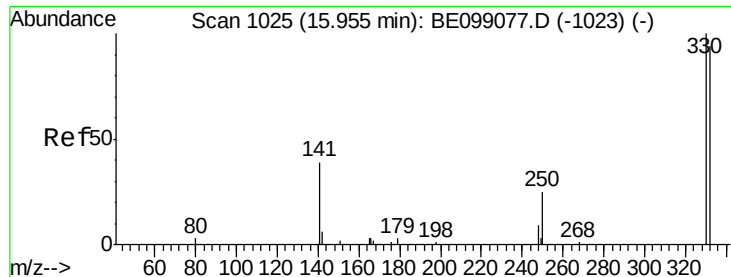


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

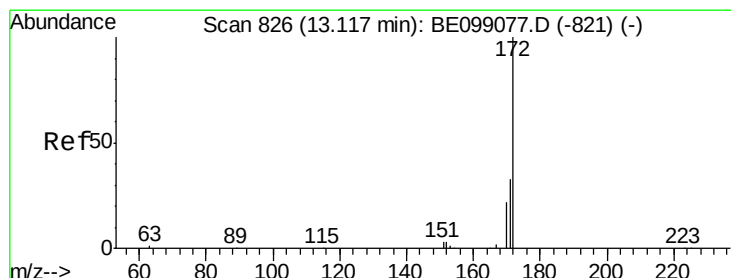
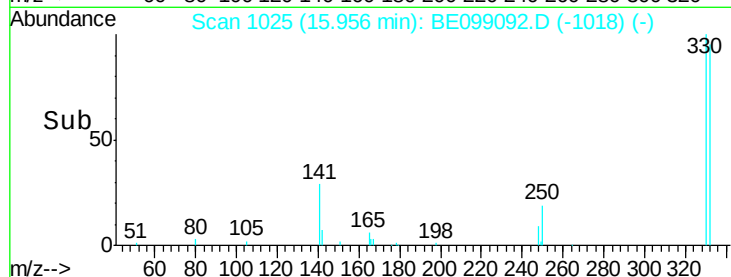
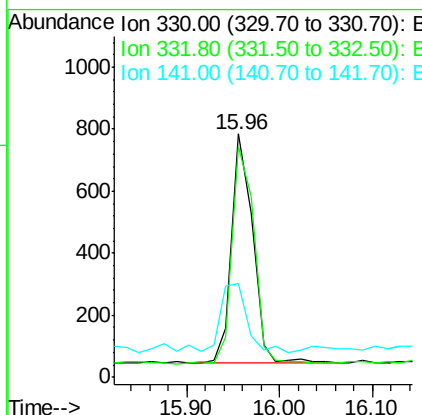
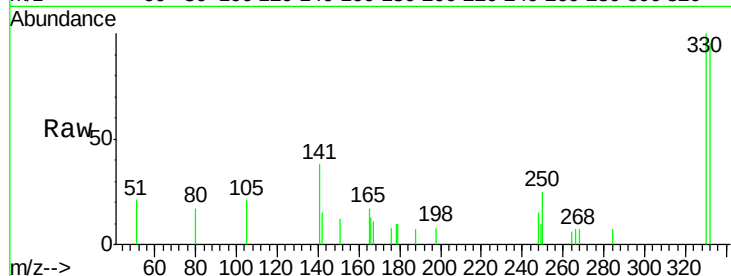




#14
 2,4,6-Tribromophenol
 Concen: 0.453 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

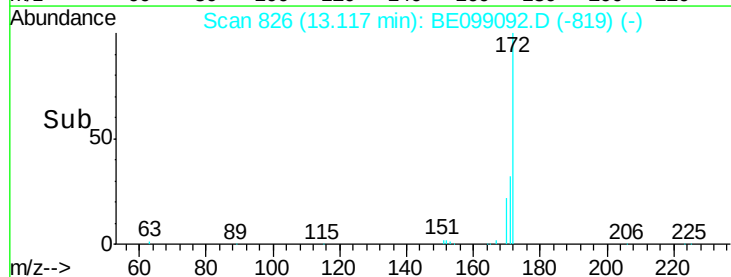
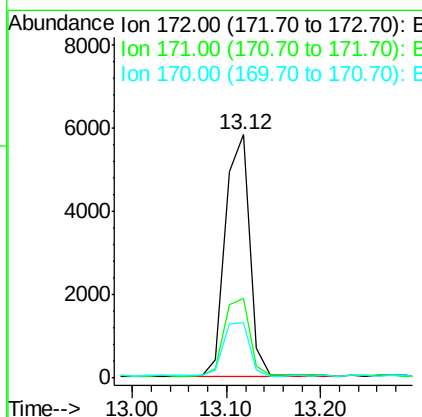
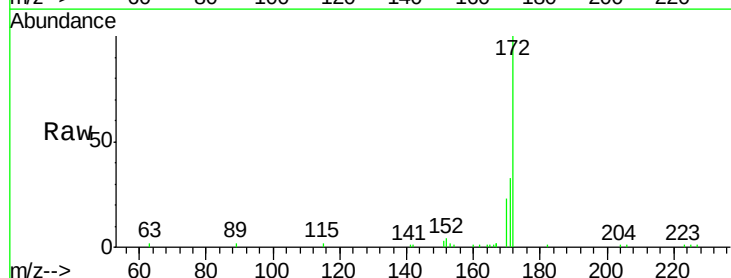
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

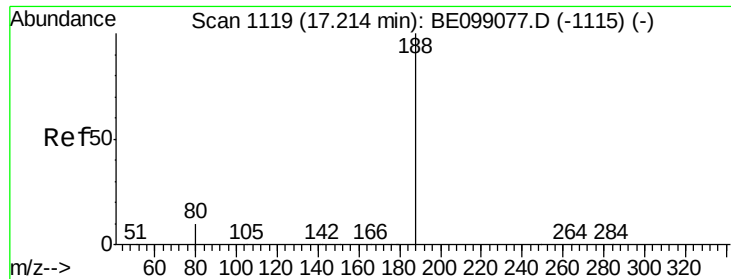
Tgt Ion: 330 Resp: 1161
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.6 116.4
 141 37.5 31.0 46.4



#15
 2-Fluorobiphenyl
 Concen: 0.296 ng
 RT: 13.12 min Scan# 826
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Tgt Ion: 172 Resp: 10267
 Ion Ratio Lower Upper
 172 100
 171 32.9 28.0 42.0
 170 22.9 17.7 26.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

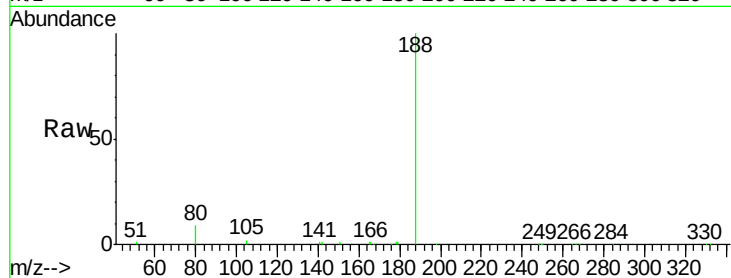
Tgt Ion:188 Resp: 24258

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

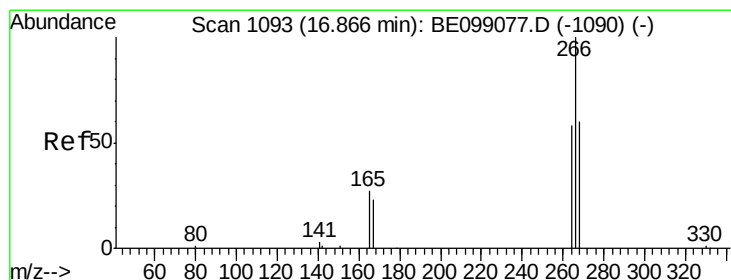
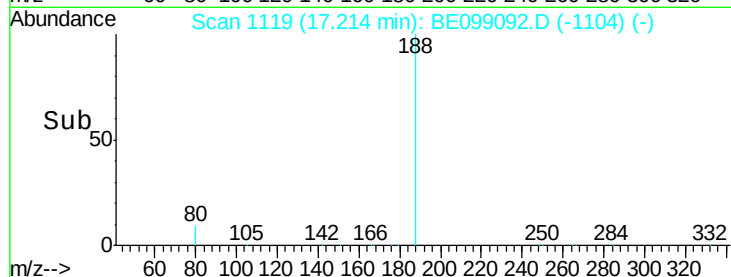
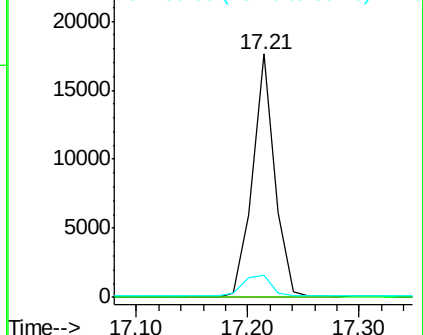
80 9.3 6.3 9.5



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: 0.258 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

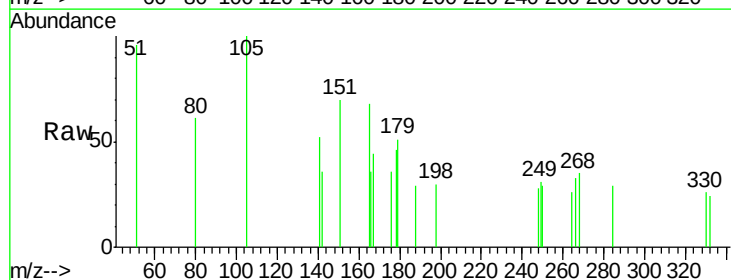
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 77.3 66.6 100.0

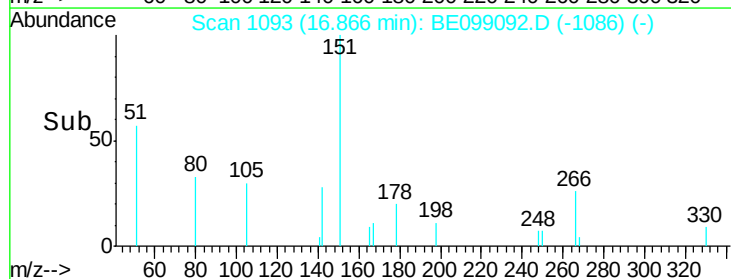
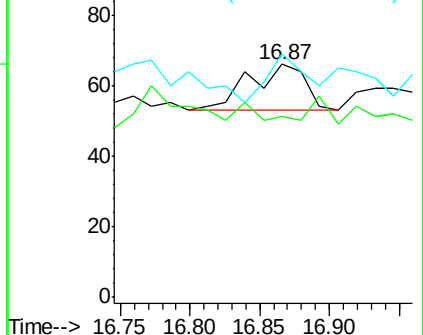
268 104.5 69.8 104.8

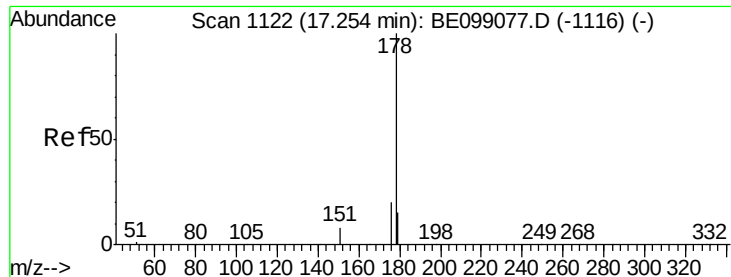


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.050 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

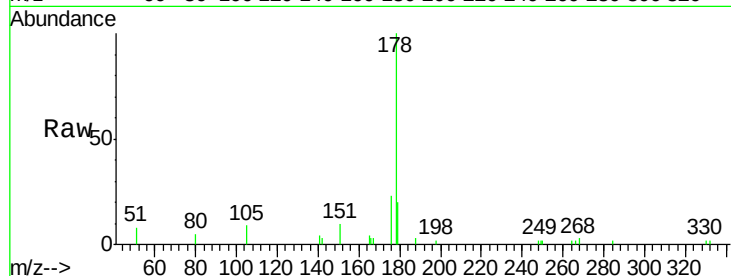
Tgt Ion:178 Resp: 3611

Ion Ratio Lower Upper

178 100

176 22.0 16.0 24.0

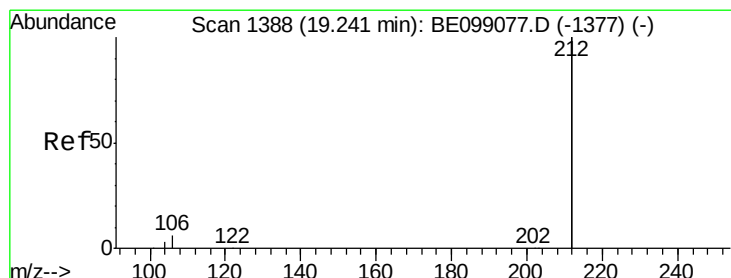
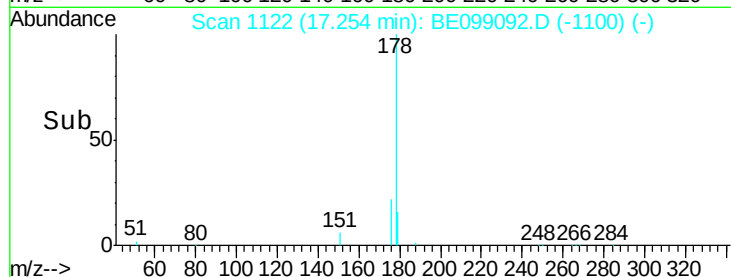
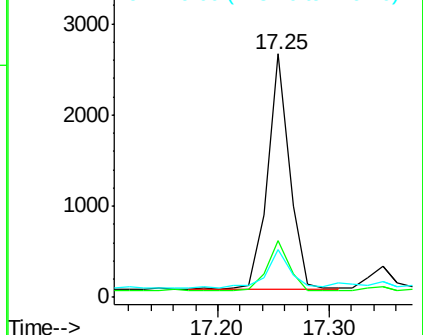
179 17.1 12.1 18.1



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: 0.326 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

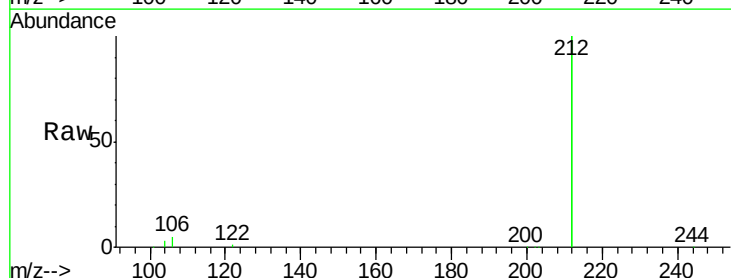
Tgt Ion:212 Resp: 105387

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8#

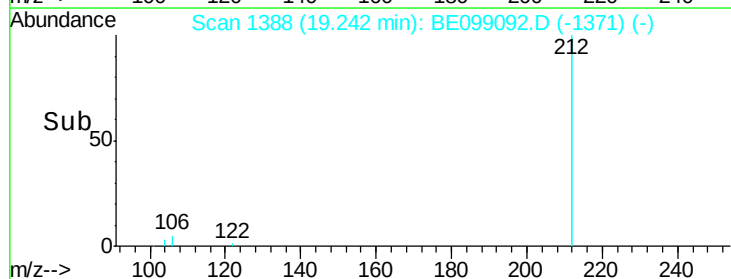
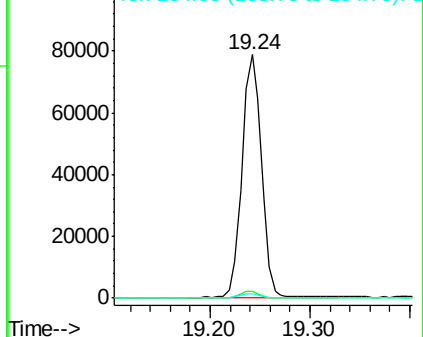
104 1.6 1.0 1.6#

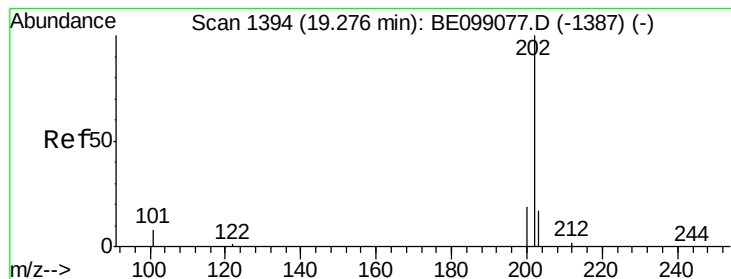


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.063 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

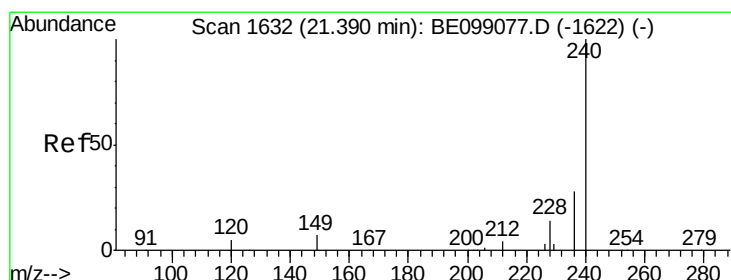
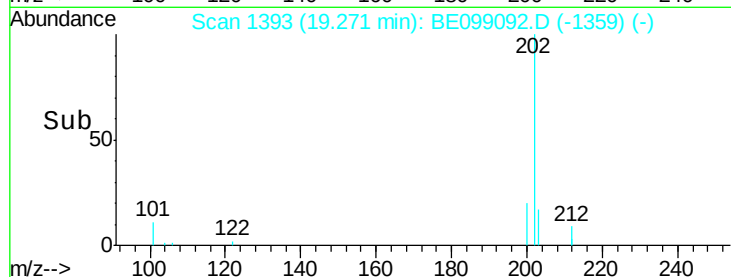
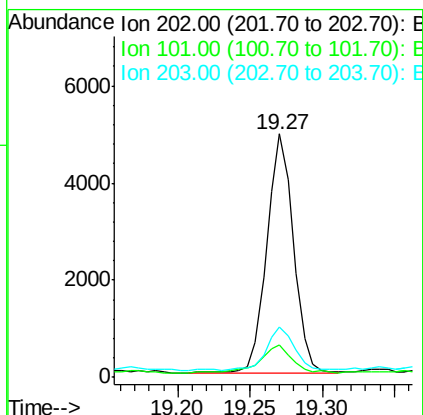
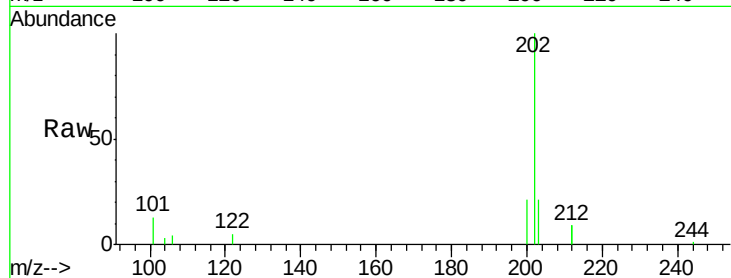
Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

Tgt Ion:	202	Resp:	6355
Ion	Ratio	Lower	Upper
202	100		
101	14.3	7.3	10.9#
203	18.5	13.4	20.2



#27

Chrysene-d12

Concen: 0.400 ng

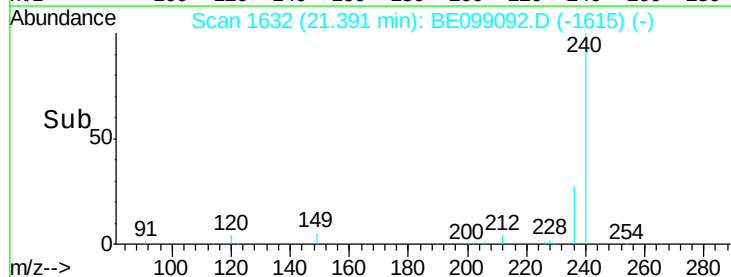
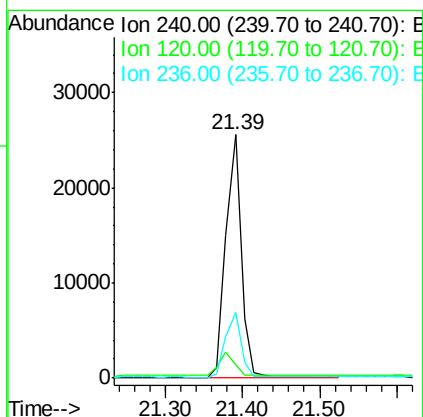
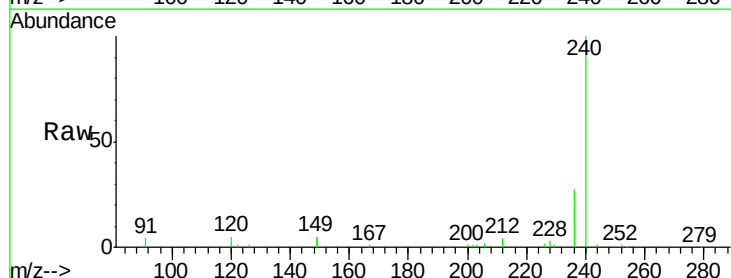
RT: 21.39 min Scan# 1632

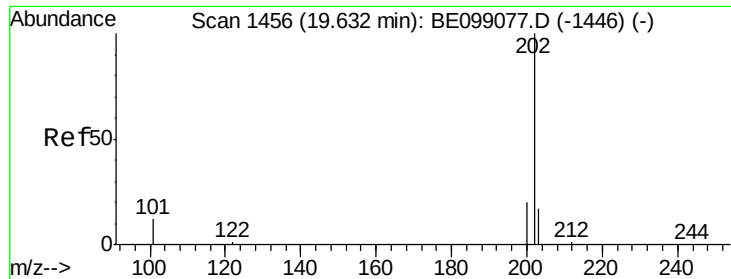
Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Tgt Ion:	240	Resp:	35365
Ion	Ratio	Lower	Upper
240	100		
120	5.3	5.0	7.4
236	27.1	22.7	34.1

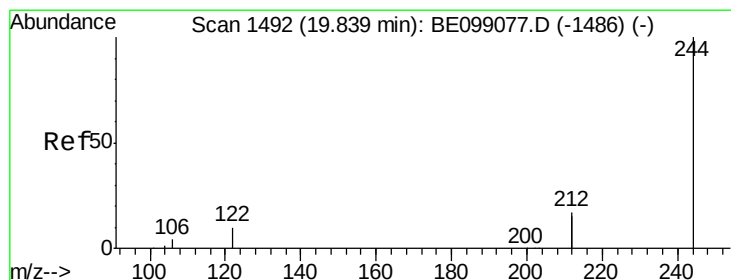
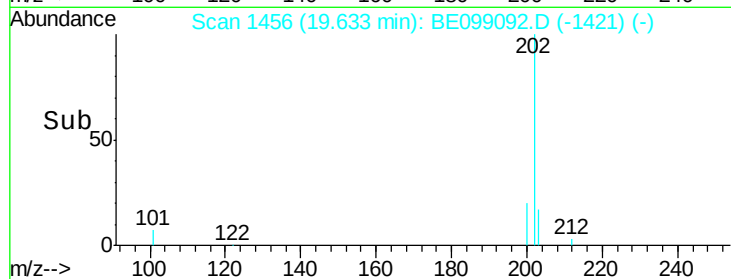
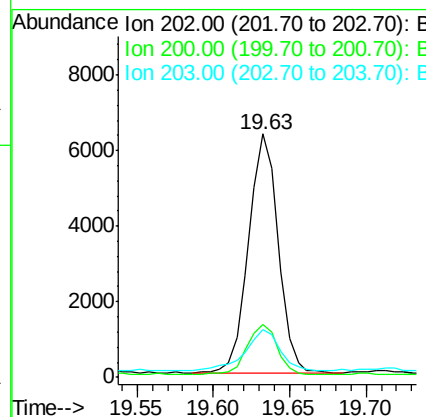
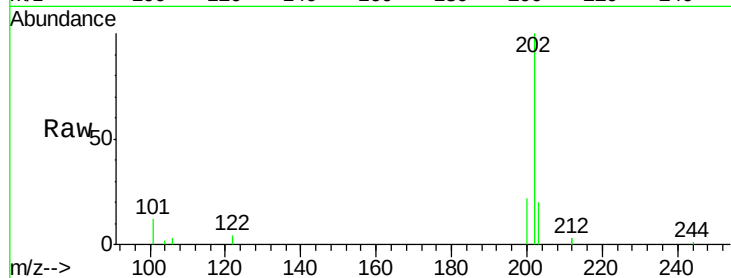




#28
 Pyrene
 Concen: 0.071 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

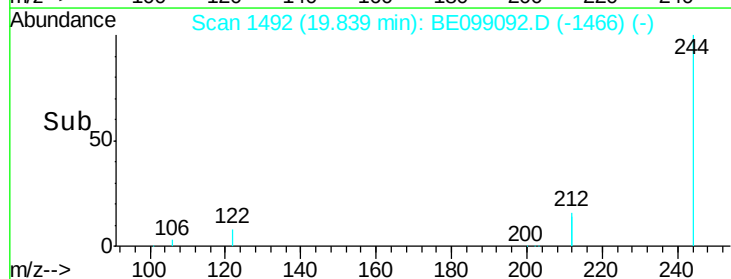
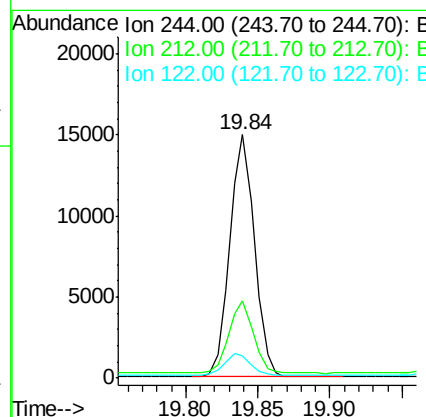
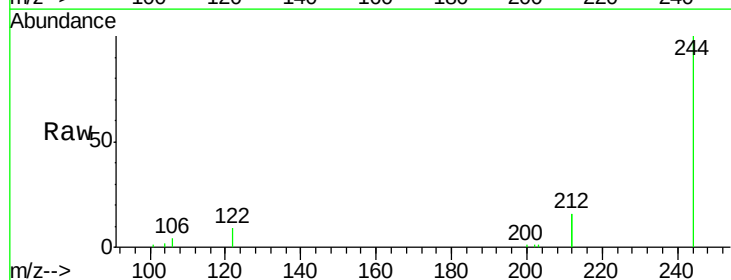
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

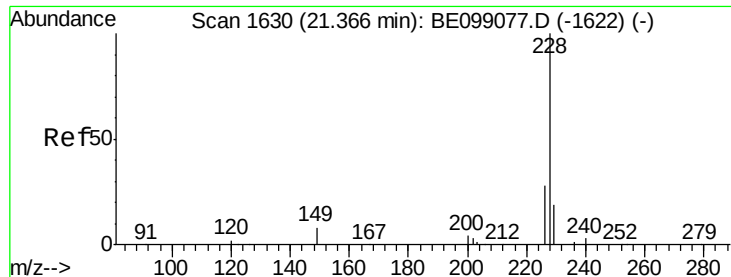
Tgt Ion: 202 Resp: 8501
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.6
 203 20.1 14.2 21.2



#29
 Terphenyl-d14
 Concen: 0.237 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Tgt Ion: 244 Resp: 17756
 Ion Ratio Lower Upper
 244 100
 212 31.7 29.4 44.2
 122 8.9 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.042 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.06 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

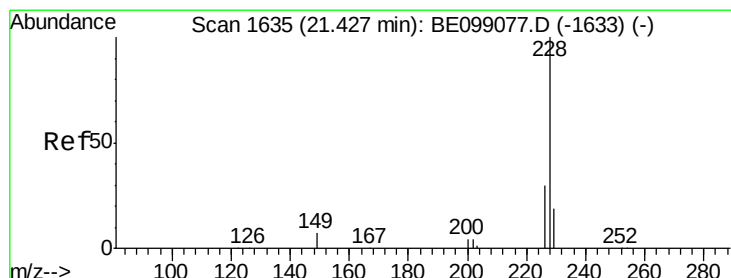
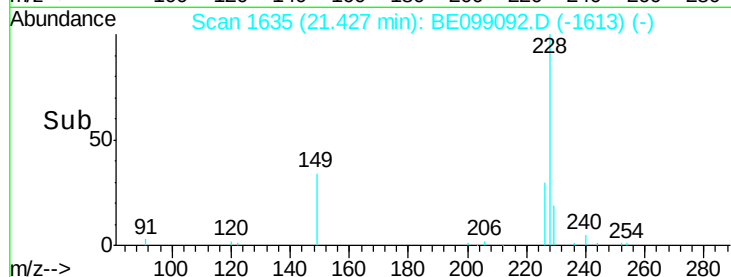
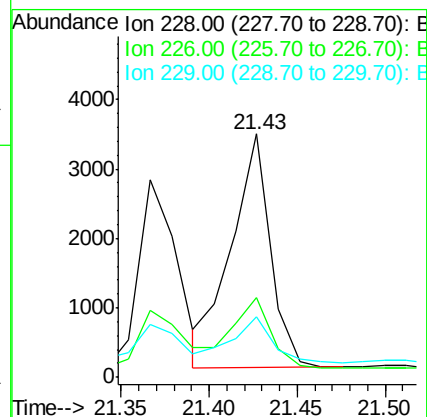
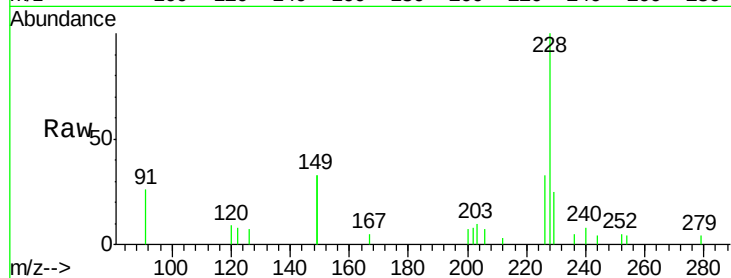
Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

Tgt Ion:	228	Resp:	5221
Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.0	34.4
229	24.7	16.5	24.7



#31

Chrysene

Concen: 0.042 ng

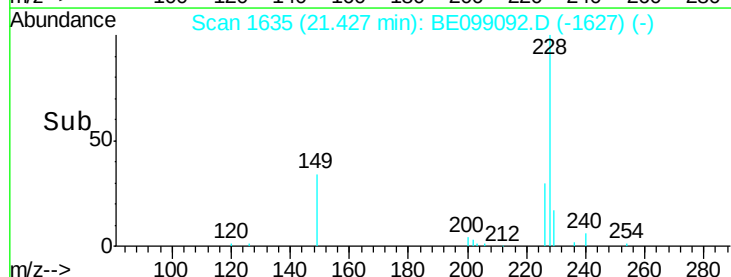
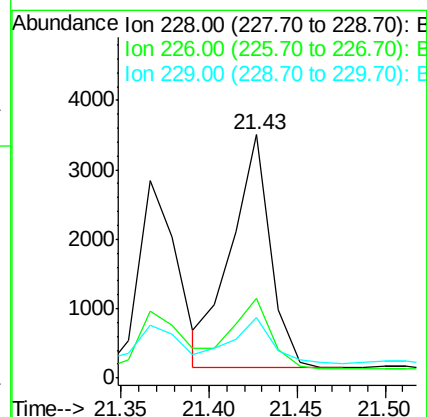
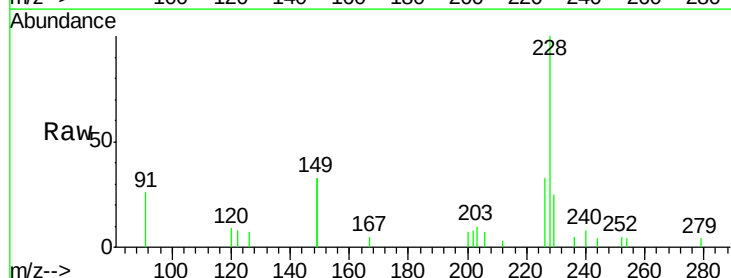
RT: 21.43 min Scan# 1635

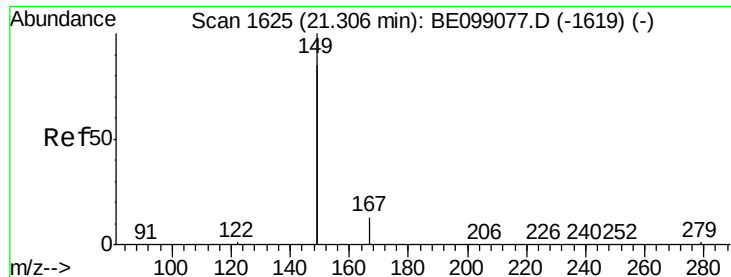
Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Tgt Ion:	228	Resp:	5178
Ion	Ratio	Lower	Upper
228	100		
226	32.6	23.7	35.5
229	24.7	16.1	24.1#

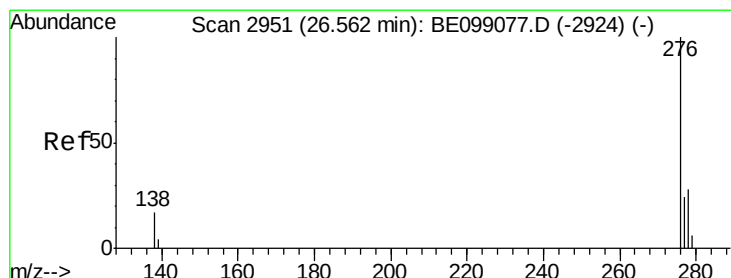
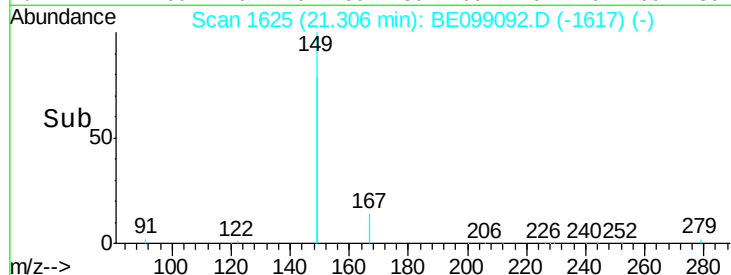
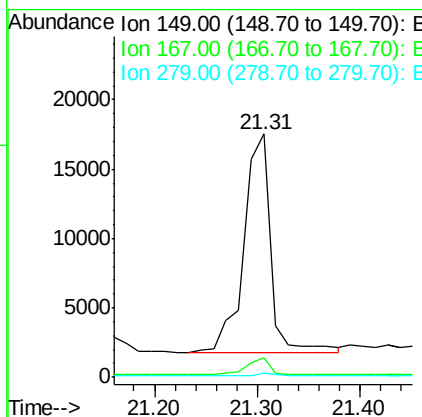
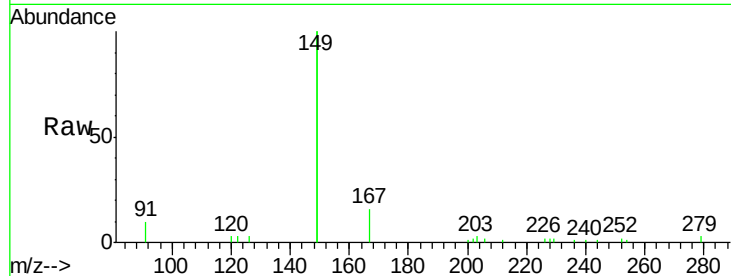




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.179 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

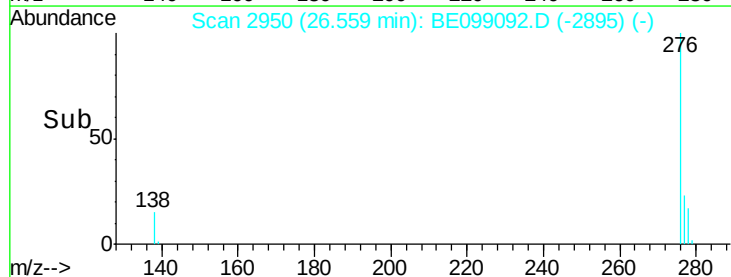
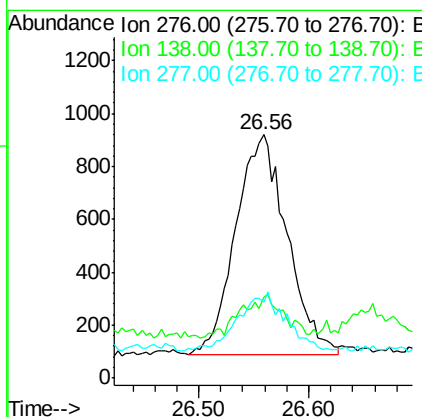
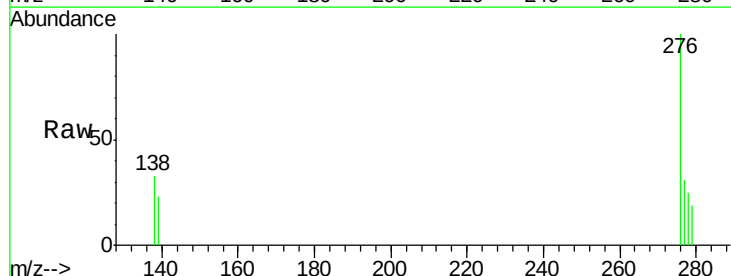
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

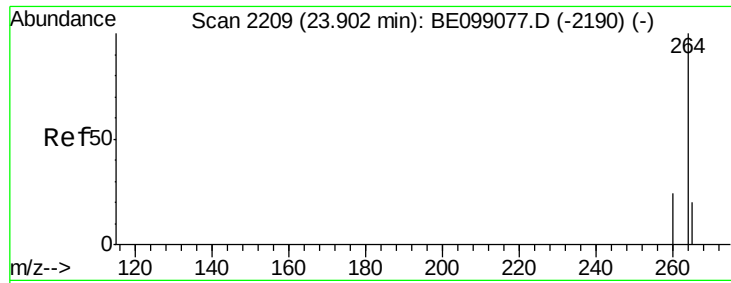
Tgt Ion:149 Resp: 28896
 Ion Ratio Lower Upper
 149 100
 167 7.1 5.4 8.0
 279 1.0 1.0 1.4



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 26.56 min Scan# 2950
 Delta R.T. -0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Tgt Ion:276 Resp: 2707
 Ion Ratio Lower Upper
 276 100
 138 4.8 13.8 20.8#
 277 23.0 19.5 29.3

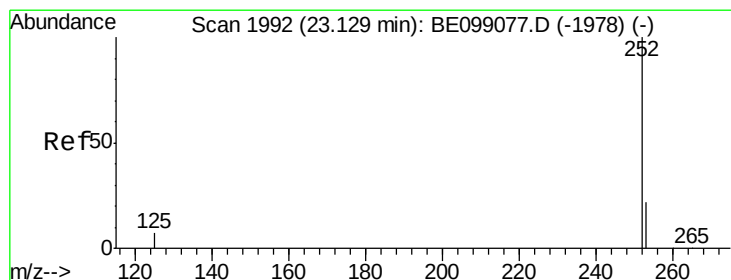
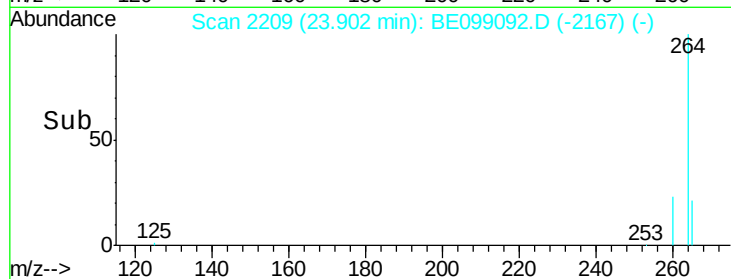
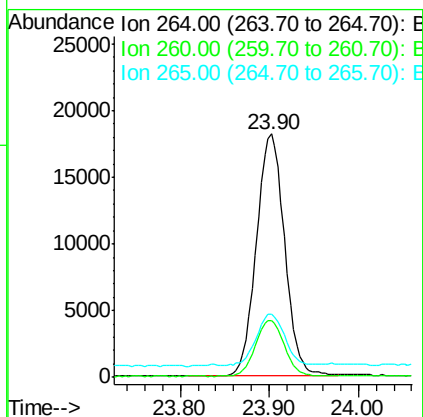
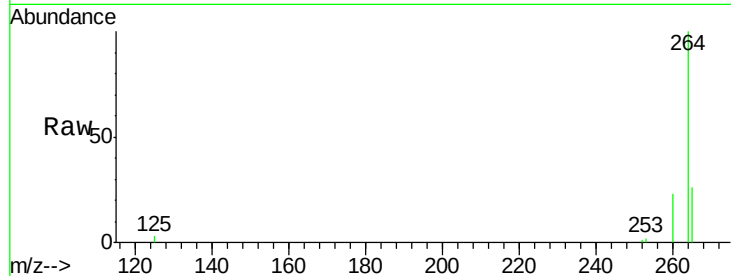




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

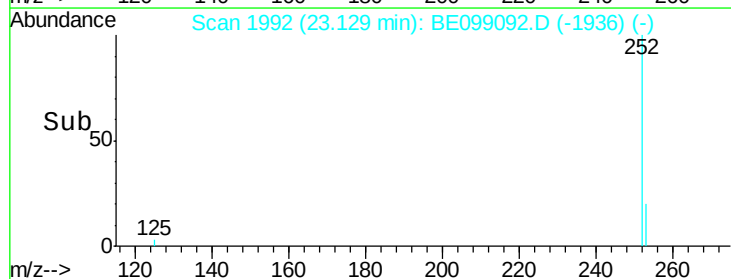
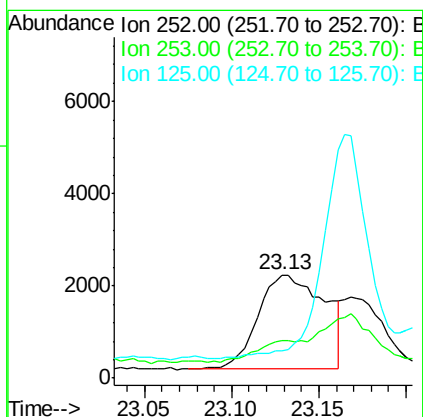
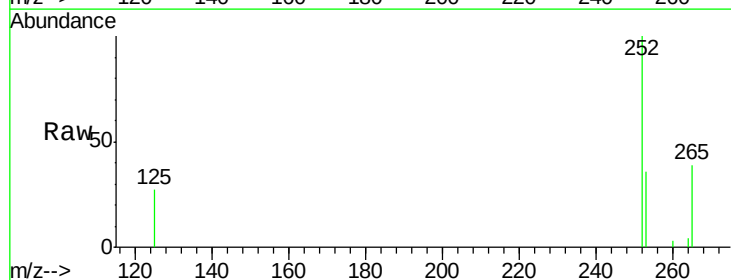
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-SW047-031319

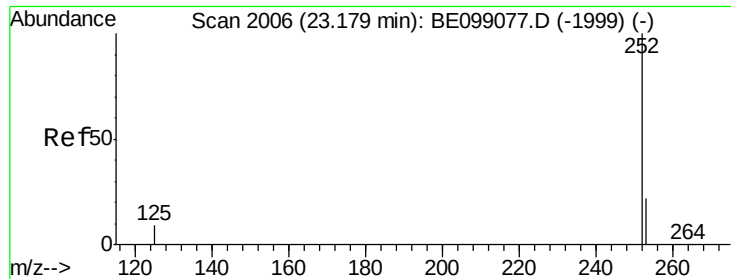
Tgt Ion: 264 Resp: 39818
 Ion Ratio Lower Upper
 264 100
 260 23.3 21.2 31.8
 265 25.8 24.6 36.8



#35
Benzo(b)fluoranthene
 Concen: 0.039 ng
 RT: 23.13 min Scan# 1992
 Delta R.T. 0.00 min
 Lab File: BE099092.D
 Acq: 22 Mar 2019 22:41

Tgt Ion: 252 Resp: 5363
 Ion Ratio Lower Upper
 252 100
 253 36.2 18.2 27.2#
 125 26.9 7.3 10.9#





#36

Benzo(k)fluoranthene

Concen: 0.040 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.05 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319

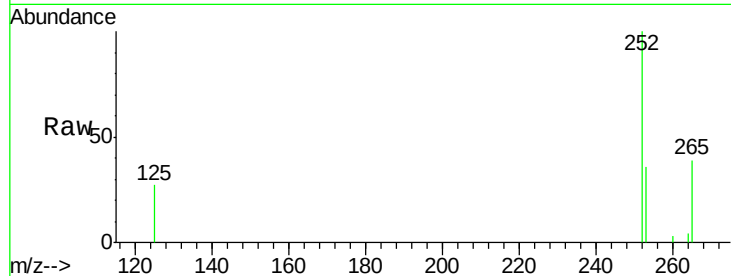
Tgt Ion: 252 Resp: 5363

Ion Ratio Lower Upper

252 100

253 36.2 19.3 28.9#

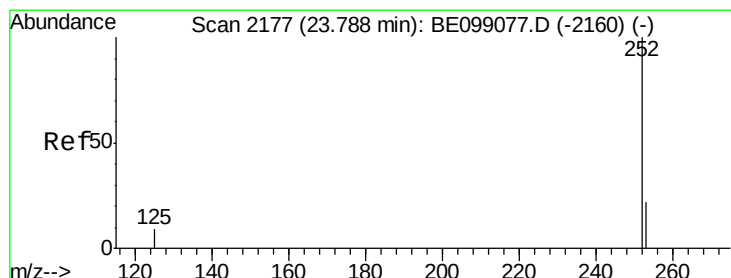
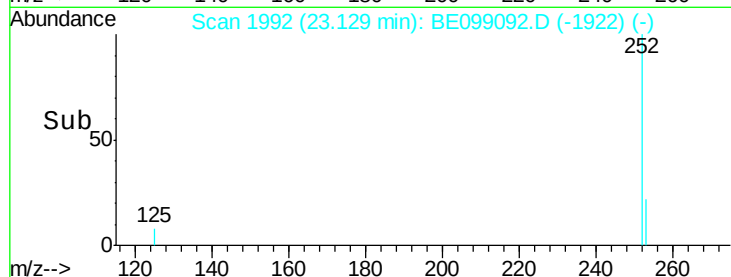
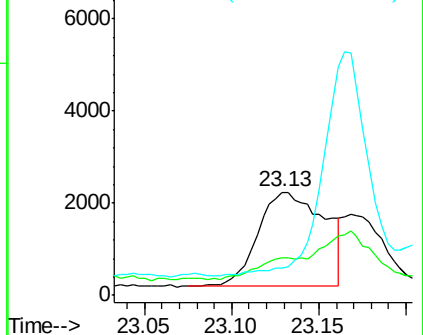
125 26.9 7.5 11.3#



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: 0.032 ng

RT: 23.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE099092.D

Acq: 22 Mar 2019 22:41

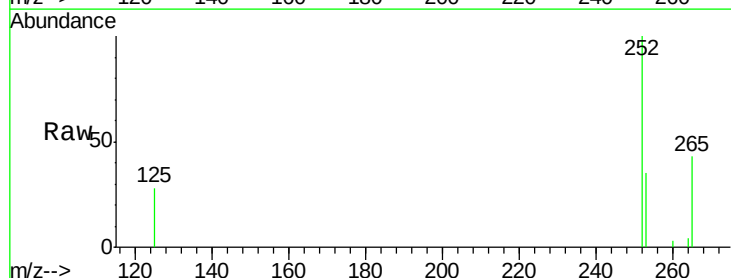
Tgt Ion: 252 Resp: 4023

Ion Ratio Lower Upper

252 100

253 34.7 19.9 29.9#

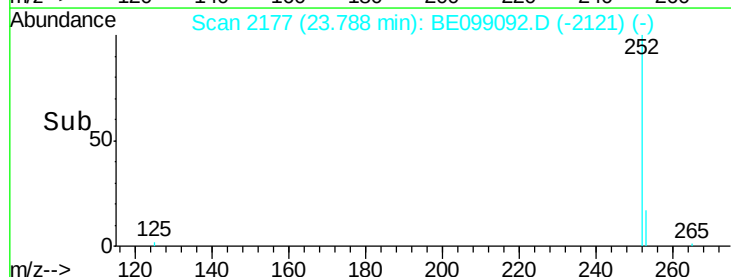
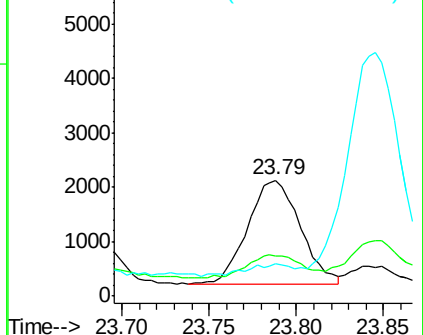
125 27.6 9.0 13.4#

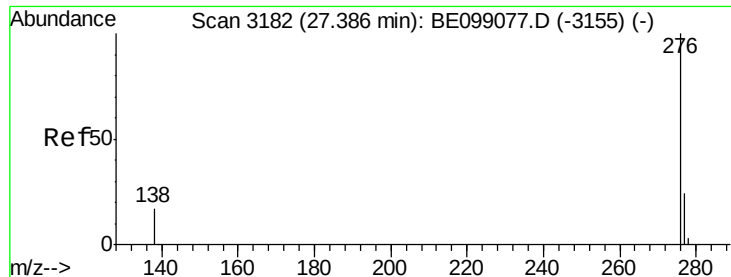


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.022 ng

RT: 27.38 min Scan# 3180

Delta R.T. -0.01 min

Lab File: BE099092.D

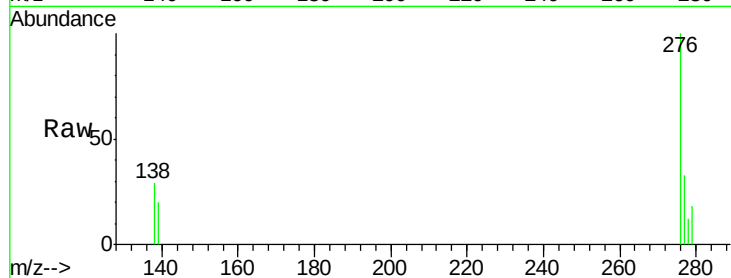
Acq: 22 Mar 2019 22:41

Instrument :

BNA_E

ClientSampleId :

PST-025-SW047-031319



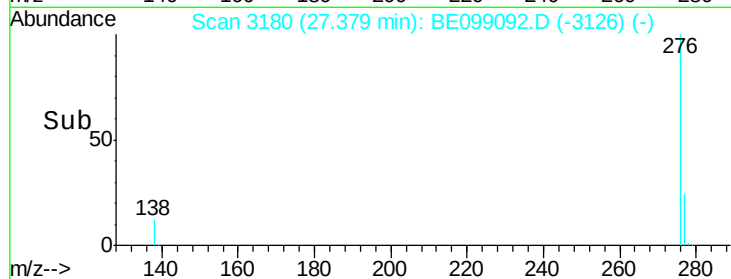
Tgt Ion: 276 Resp: 2824

Ion Ratio Lower Upper

276 100

277 32.7 20.4 30.6#

138 29.2 13.6 20.4#



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

