

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099097.D
 Acq On : 23 Mar 2019 1:49
 Operator : JU/SJ
 Sample : K1947-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

Quant Time: Mar 23 04:44:33 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 04:40:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3510	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	13631	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	8915	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	23866	0.40	ng	0.00
27) Chrysene-d12	21.39	240	35939	0.40	ng	0.00
34) Perylene-d12	23.90	264	40748	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4806	0.46	ng	0.00
5) Phenol-d6	6.99	99	6927	0.46	ng	0.00
8) Nitrobenzene-d5	8.99	82	4177	0.70	ng	-0.01
11) 2-Methylnaphthalene-d10	12.22	152	9168	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1901	0.73	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	14826	0.42	ng	0.00
25) Fluoranthene-d10	19.24	212	116735	0.37	ng	0.00
29) Terphenyl-d14	19.84	244	28005	0.37	ng	0.00

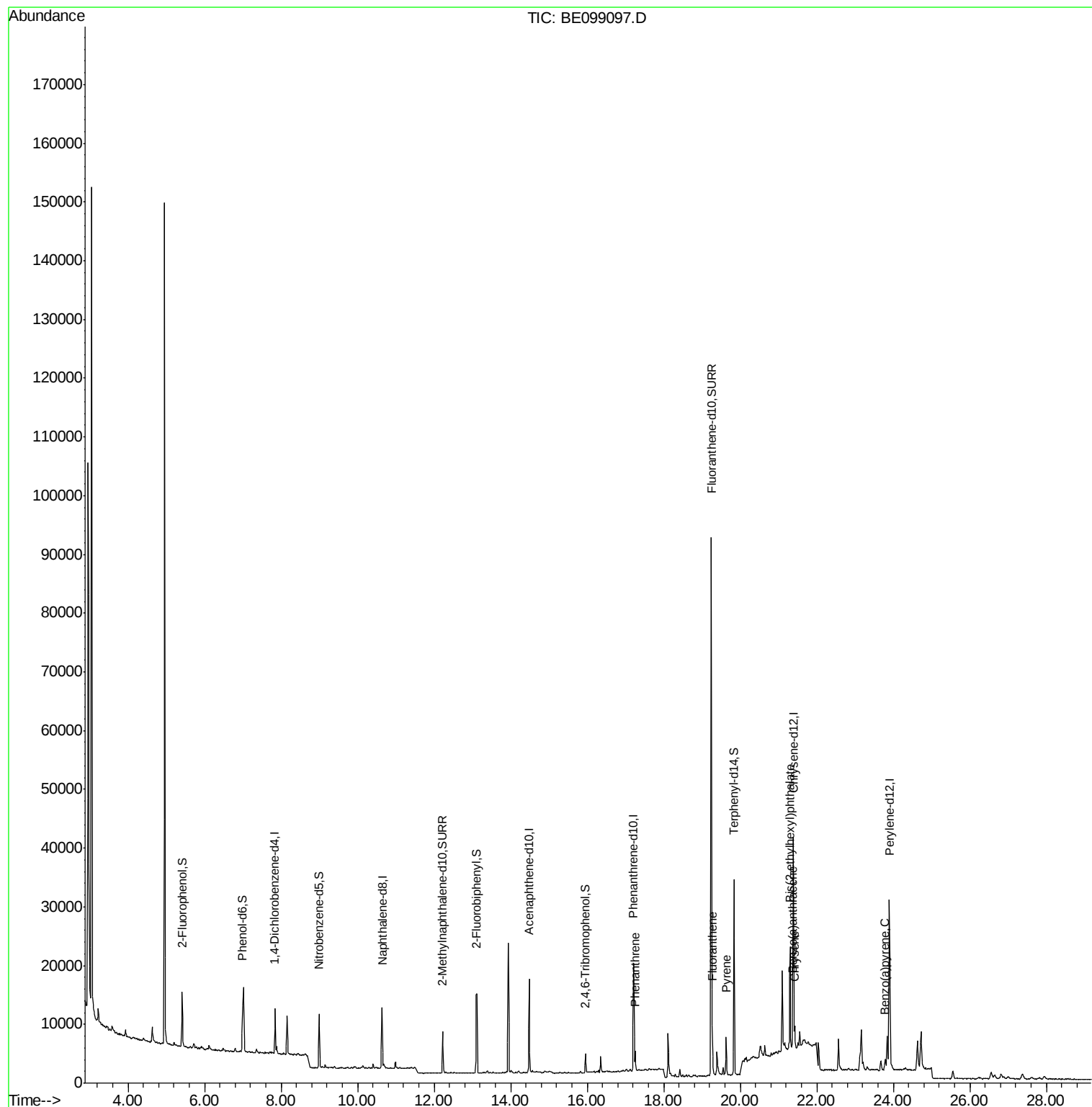
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.25	178	3341	0.047	ng	# 93
26) Fluoranthene	19.27	202	5922	0.059	ng	# 88
28) Pyrene	19.63	202	5696	0.047	ng	# 95
30) Benzo(a)anthracene	21.37	228	2940	0.023	ng	# 87
31) Chrysene	21.43	228	3746	0.030	ng	# 92
32) Bis(2-ethylhexyl)phthalate	21.31	149	23339	0.142	ng	# 98
37) Benzo(a)pyrene	23.78	252	3079	0.024	ng	# 67

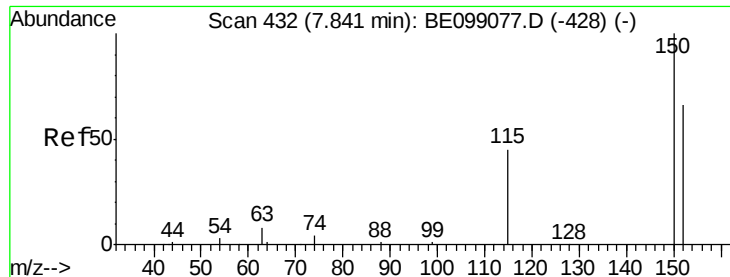
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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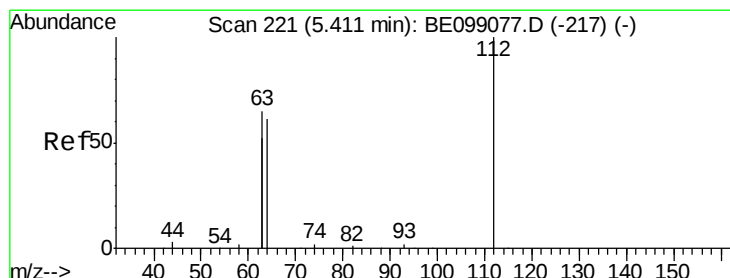
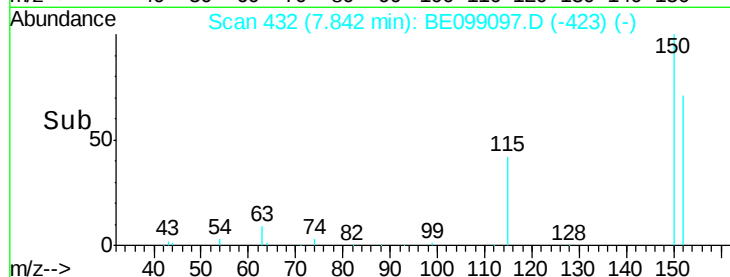
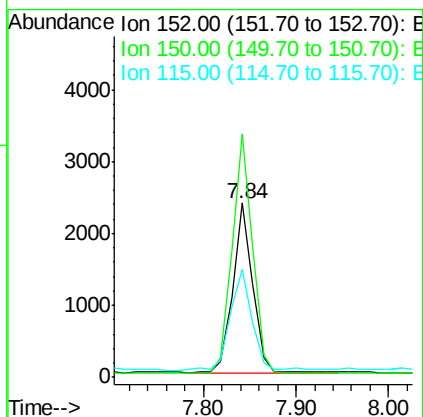
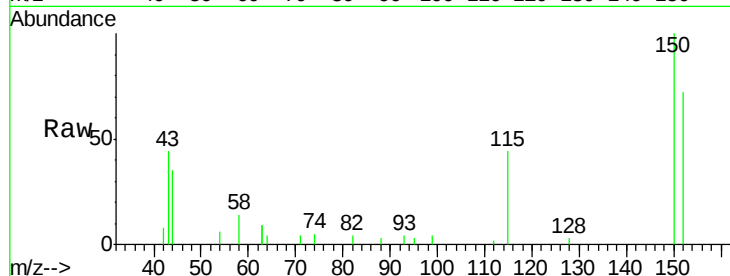


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099097.D
Acq: 23 Mar 2019 1:49

Instrument :
BNA_E
ClientSampleId :
PST-025-B035-031319

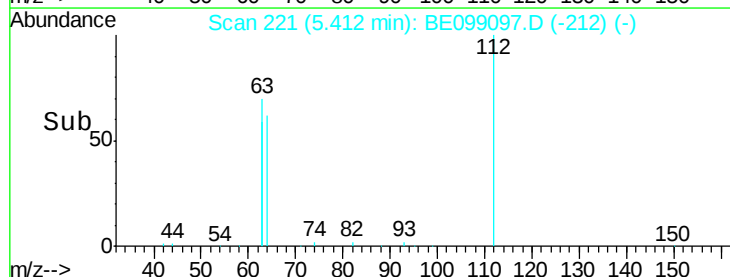
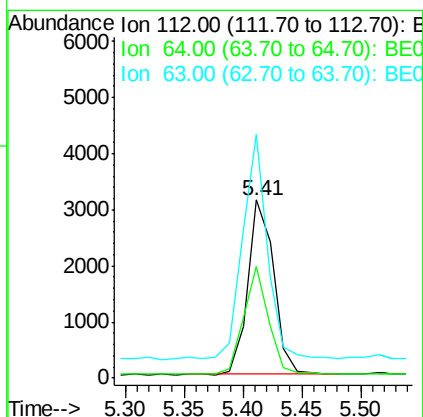
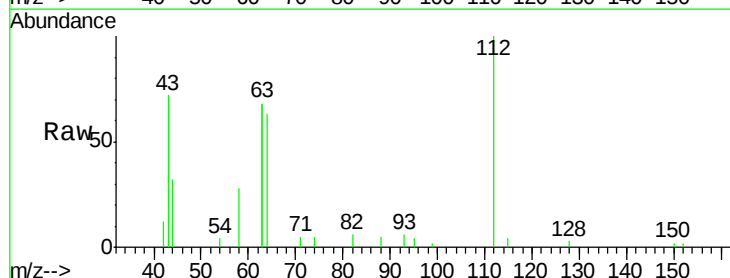
Tgt Ion:152 Resp: 3510
Ion Ratio Lower Upper
152 100
150 139.8 122.5 183.7
115 62.1 57.4 86.2

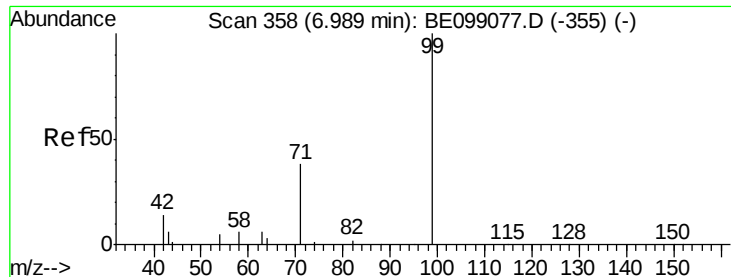


#4

2-Fluorophenol
Concen: 0.460 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099097.D
Acq: 23 Mar 2019 1:49

Tgt Ion:112 Resp: 4806
Ion Ratio Lower Upper
112 100
64 58.7 57.9 86.9
63 122.7 158.3 237.5#





#5

Phenol-d6

Concen: 0.460 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

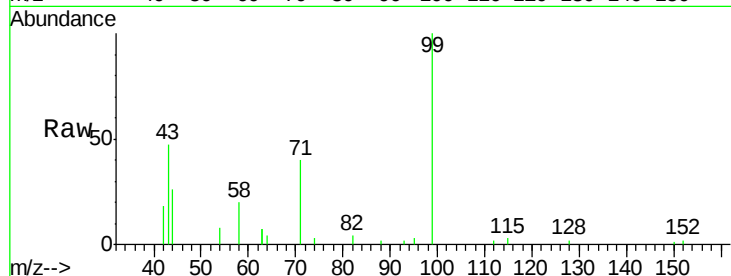
Tgt Ion: 99 Resp: 6927

Ion Ratio Lower Upper

99 100

42 18.2 24.2 36.2#

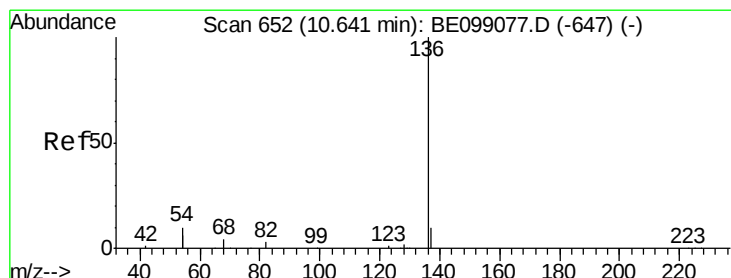
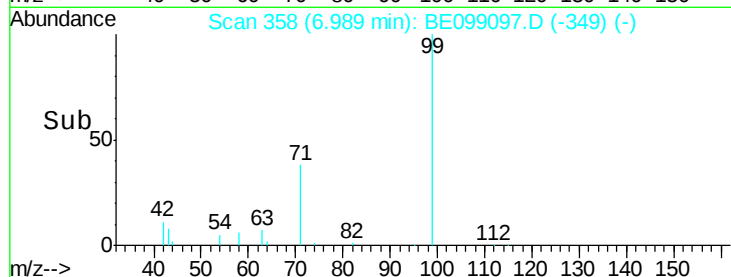
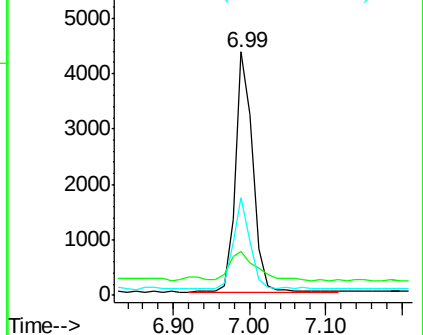
71 38.6 35.7 53.5



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: BE099097.D

Acq: 23 Mar 2019 1:49

Tgt Ion: 136 Resp: 13631

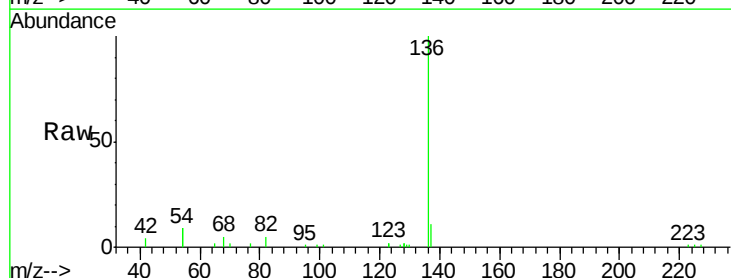
Ion Ratio Lower Upper

136 100

137 11.1 11.4 17.0#

54 18.9 39.3 58.9#

68 5.2 6.7 10.1#

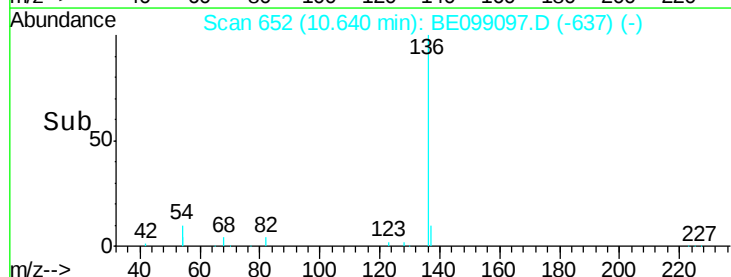
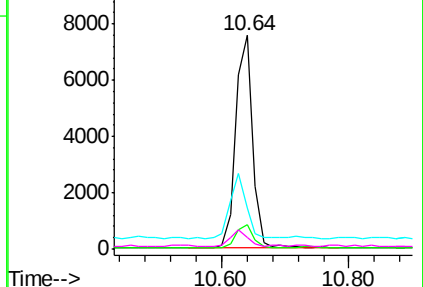


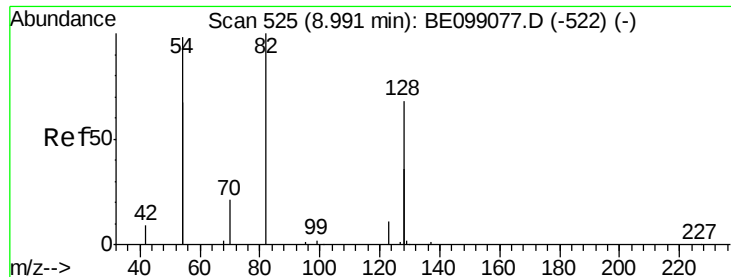
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.701 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.01 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

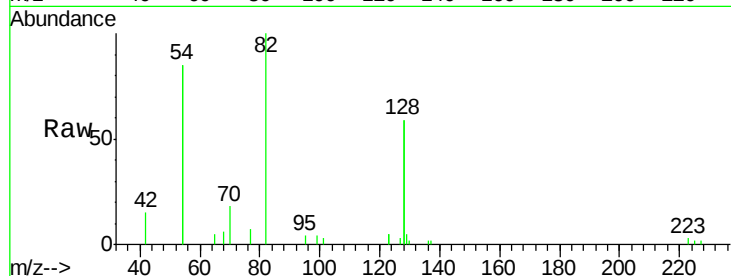
Tgt Ion: 82 Resp: 4177

Ion Ratio Lower Upper

82 100

128 118.3 123.8 185.8#

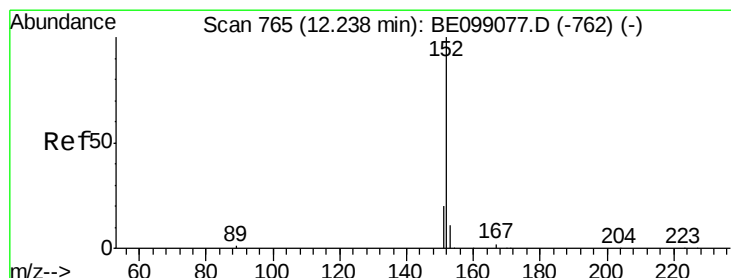
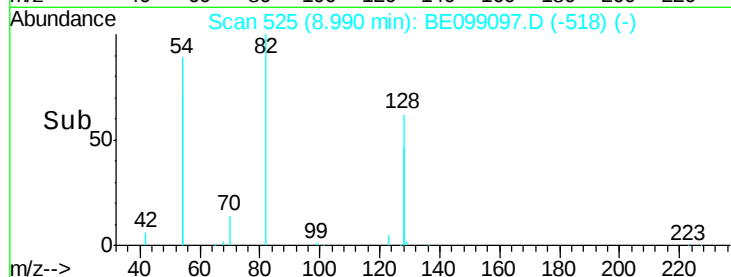
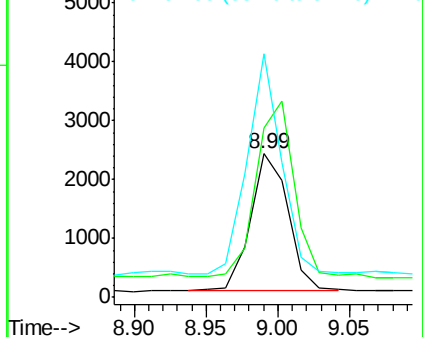
54 170.1 203.4 305.2#



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: 0.373 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099097.D

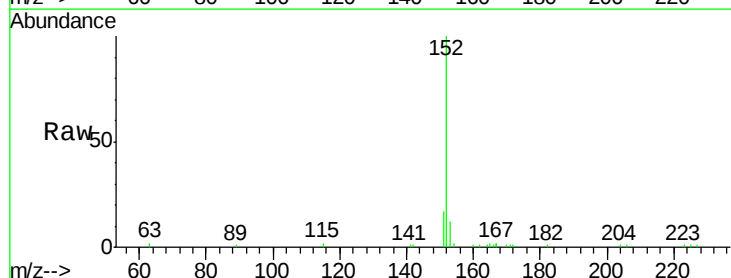
Acq: 23 Mar 2019 1:49

Tgt Ion: 152 Resp: 9168

Ion Ratio Lower Upper

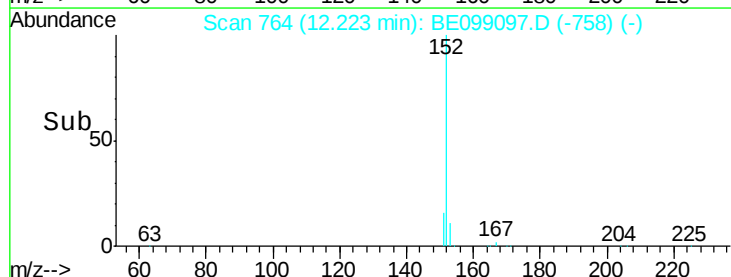
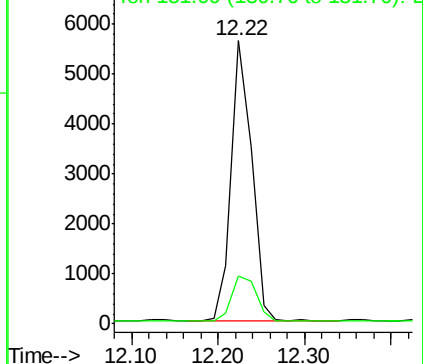
152 100

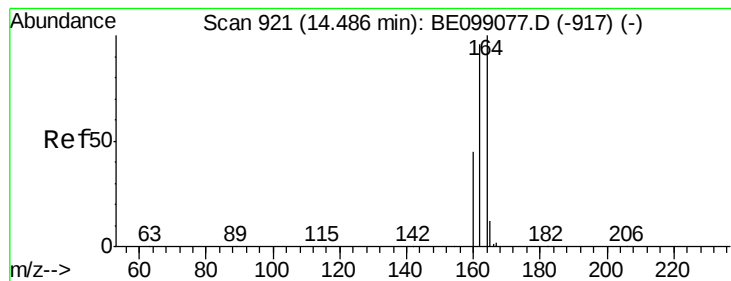
151 19.7 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): BE0

Ion 151.00 (150.70 to 151.70): BE0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

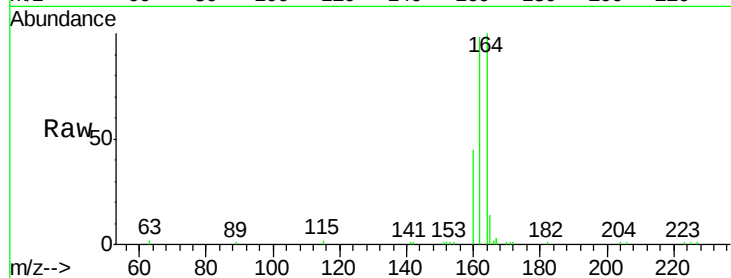
Tgt Ion:164 Resp: 8915

Ion Ratio Lower Upper

164 100

162 98.2 80.2 120.2

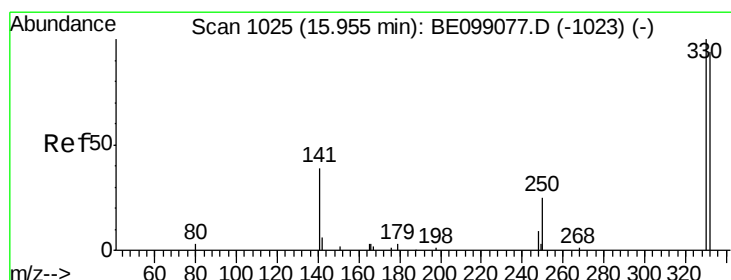
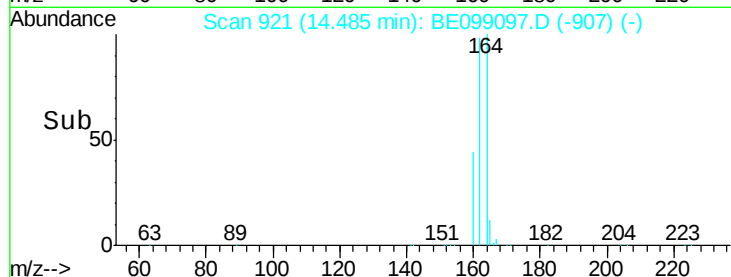
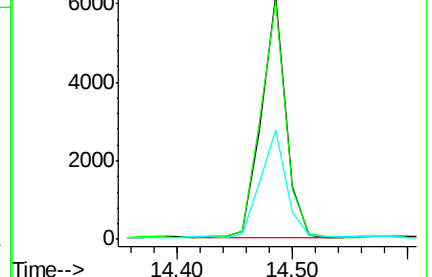
160 44.7 37.8 56.8



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: 0.725 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

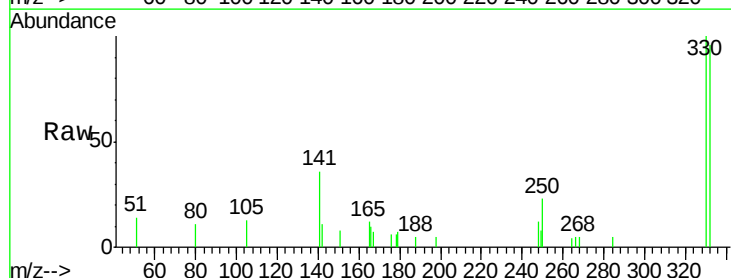
Tgt Ion:330 Resp: 1901

Ion Ratio Lower Upper

330 100

332 94.6 77.6 116.4

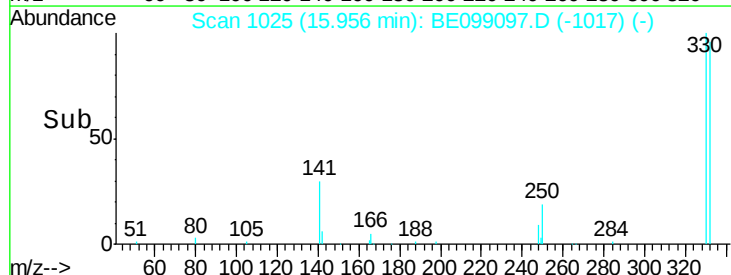
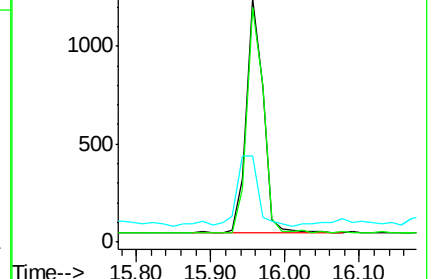
141 37.7 31.0 46.4

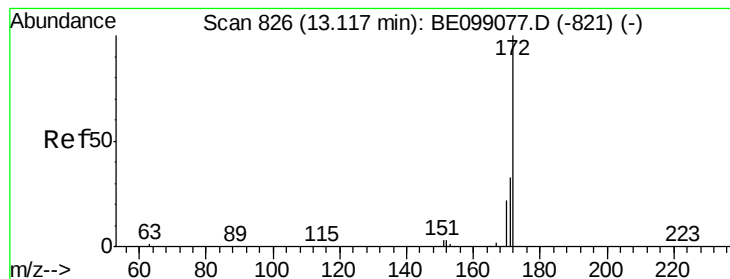


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

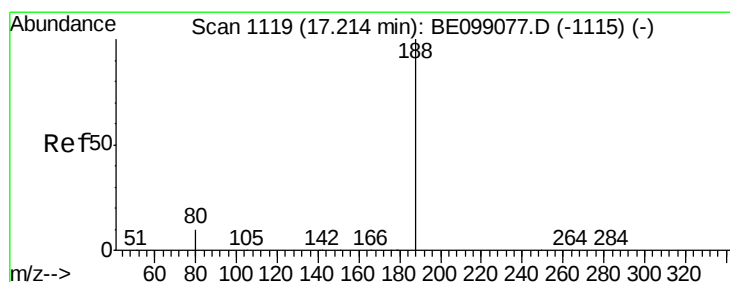
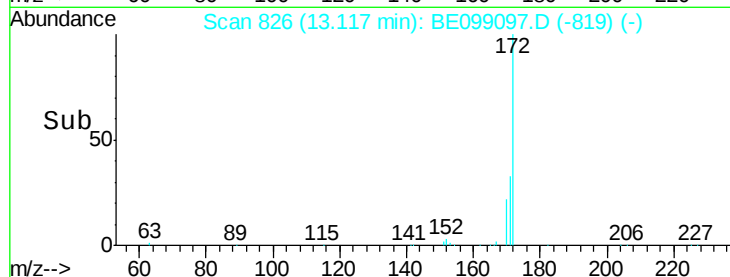
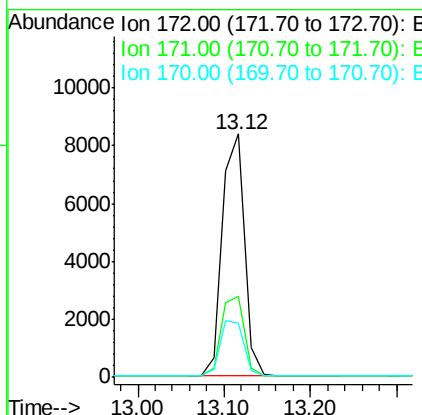
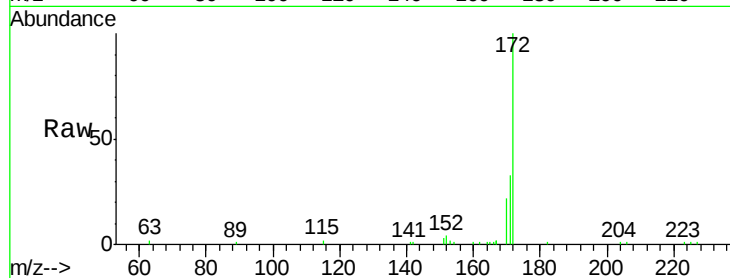




#15
 2-Fluorobiphenyl
 Concen: 0.418 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

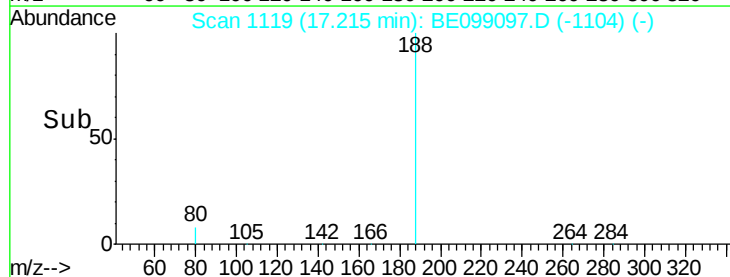
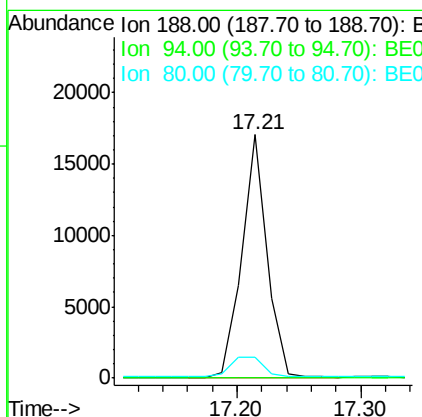
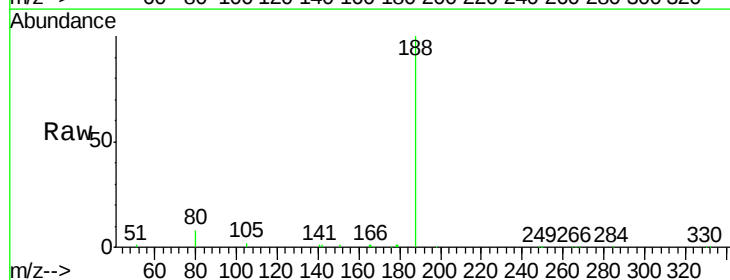
Instrument :
 BNA_E
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 PST-025-B035-031319

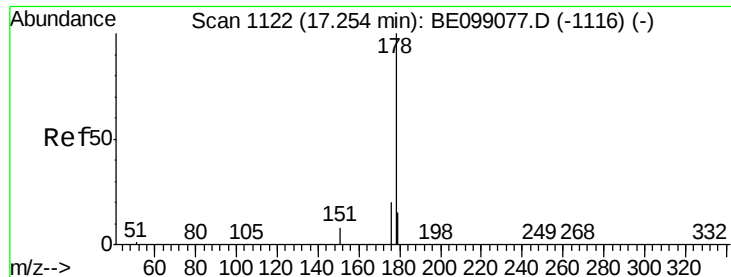
Tgt Ion:172 Resp: 14826
 Ion Ratio Lower Upper
 172 100
 171 33.4 28.0 42.0
 170 22.2 17.7 26.5



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.21 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion:188 Resp: 23866
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.4 6.3 9.5





#23

Phenanthrene

Concen: 0.047 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

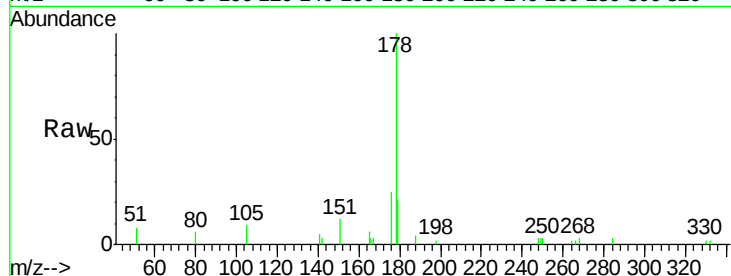
Tgt Ion:178 Resp: 3341

Ion Ratio Lower Upper

178 100

176 22.9 16.0 24.0

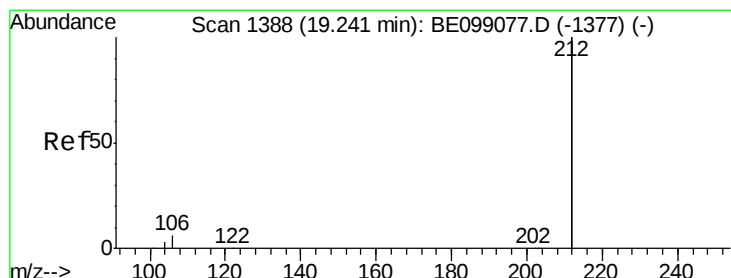
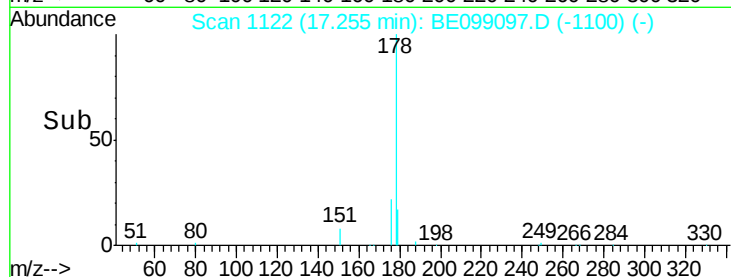
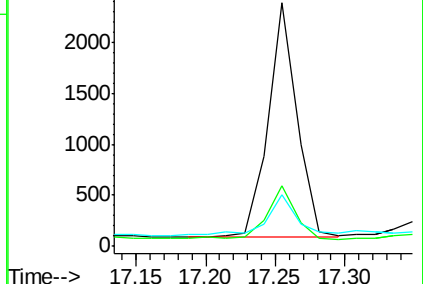
179 18.2 12.1 18.1#



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: 0.367 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

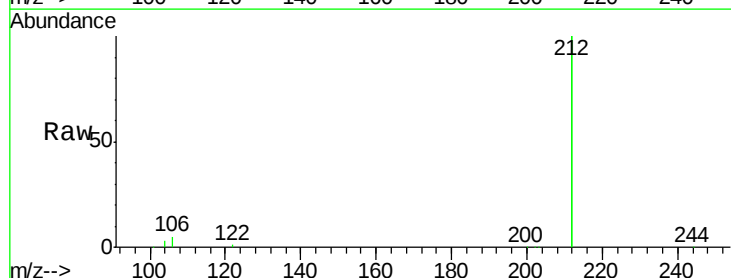
Tgt Ion:212 Resp: 116735

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8

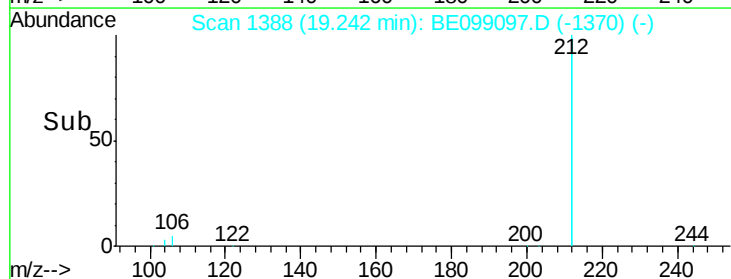
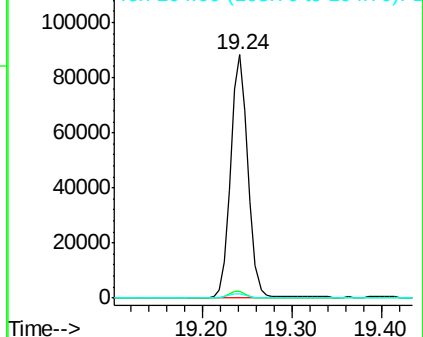
104 1.6 1.0 1.6#

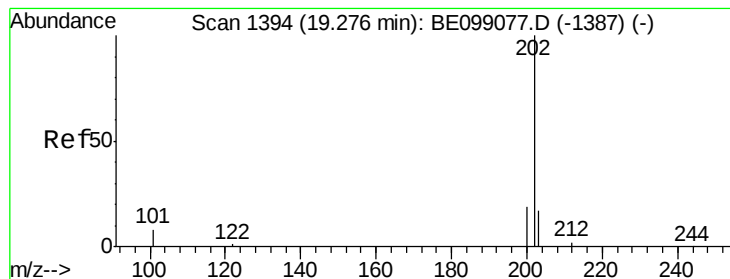


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.059 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

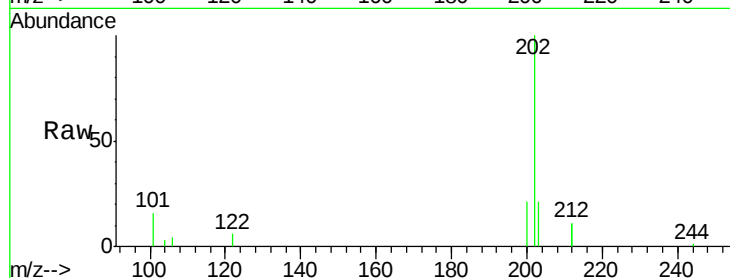
BNA_E

ClientSampleId :

PST-025-B035-031319

Tgt Ion: 202 Resp: 5922

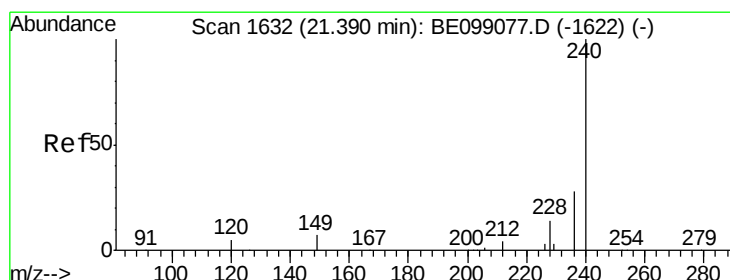
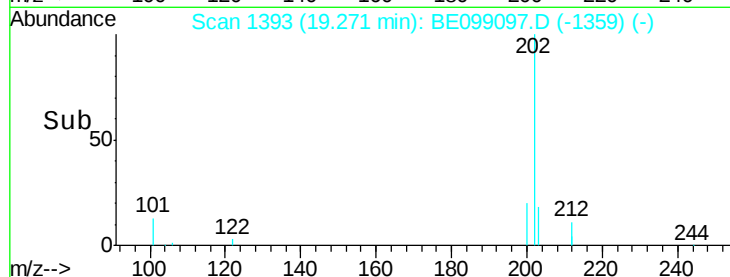
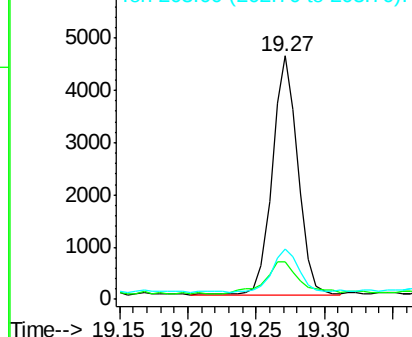
Ion	Ratio	Lower	Upper
202	100		
101	18.3	7.3	10.9#
203	18.9	13.4	20.2



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# 1631

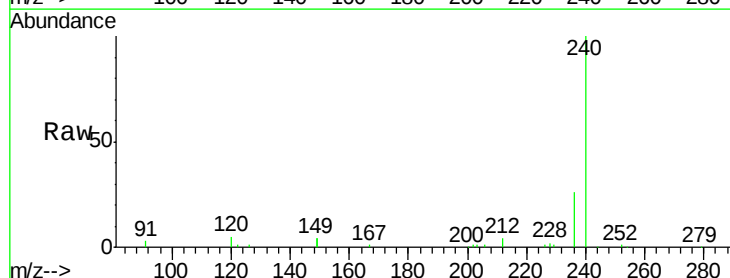
Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Tgt Ion: 240 Resp: 35939

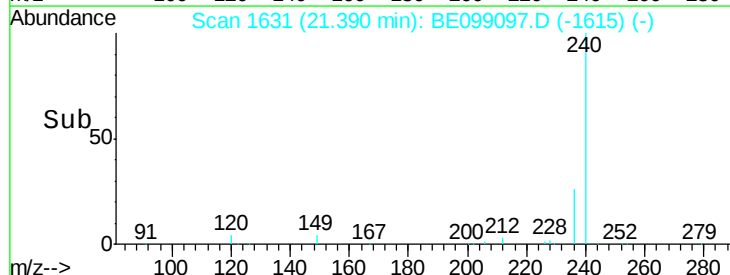
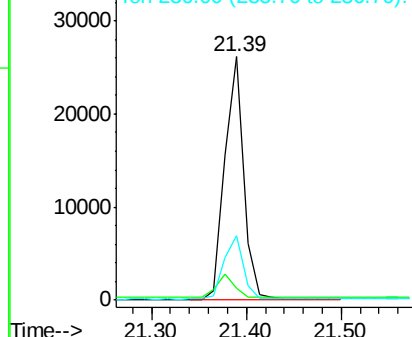
Ion	Ratio	Lower	Upper
240	100		
120	5.0	5.0	7.4#
236	26.3	22.7	34.1

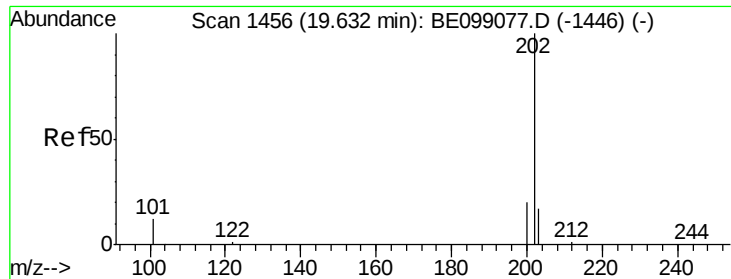


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

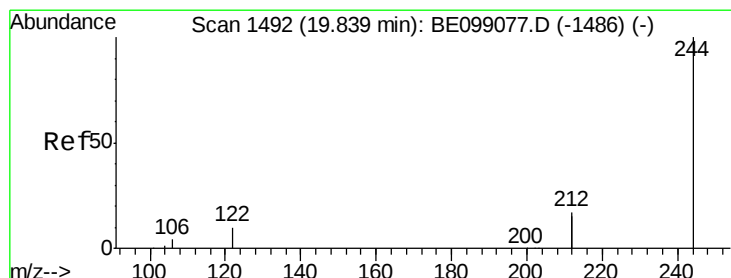
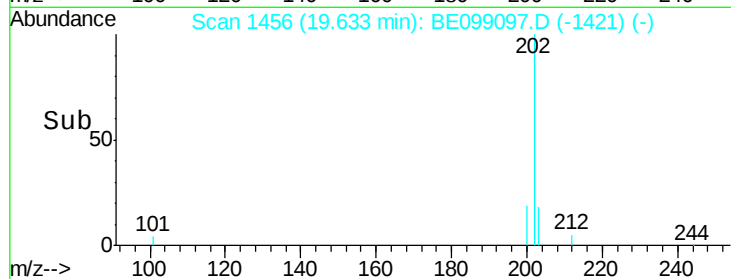
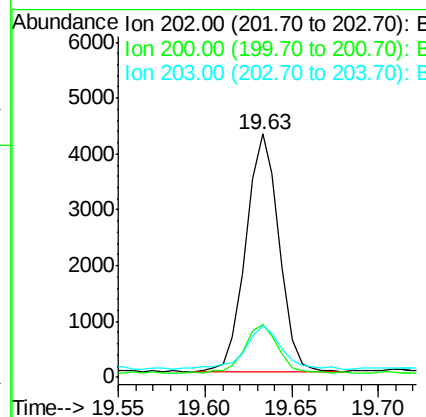
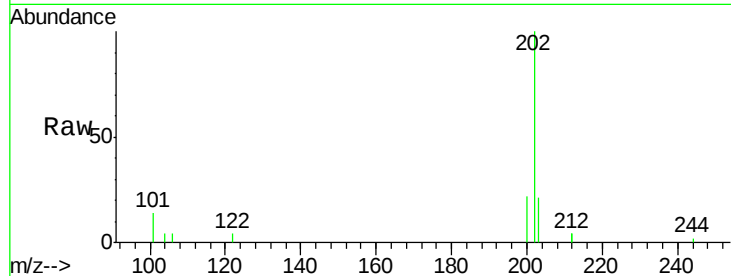




#28
 Pyrene
 Concen: 0.047 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

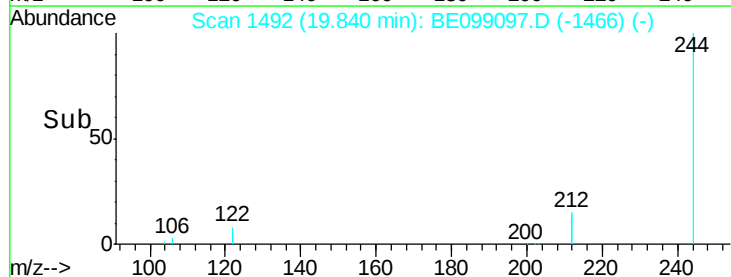
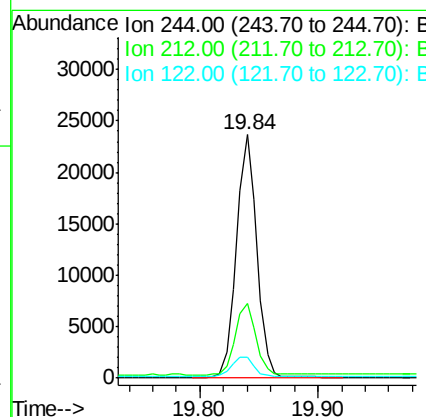
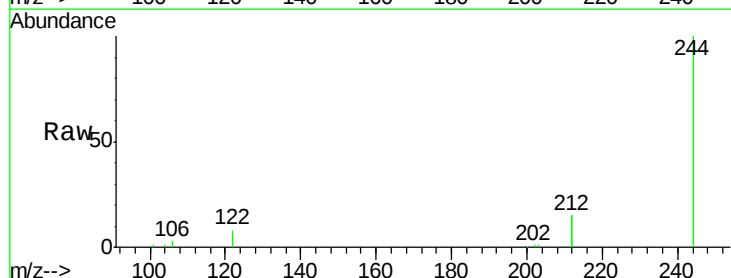
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

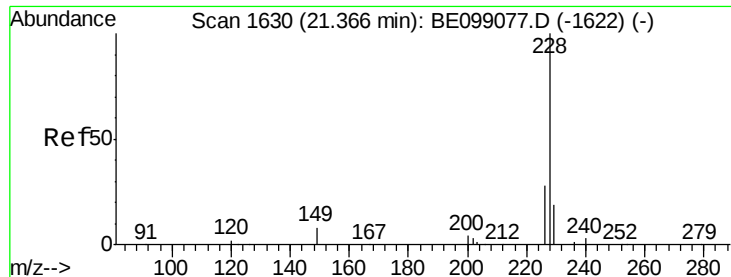
Tgt Ion: 202 Resp: 5696
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 21.4 14.2 21.2#



#29
 Terphenyl-d14
 Concen: 0.368 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion: 244 Resp: 28005
 Ion Ratio Lower Upper
 244 100
 212 30.8 29.4 44.2
 122 8.5 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.023 ng

RT: 21.37 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

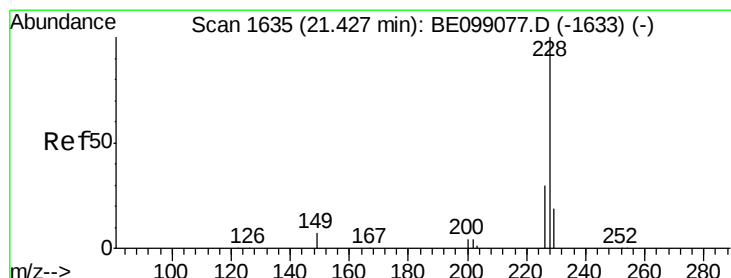
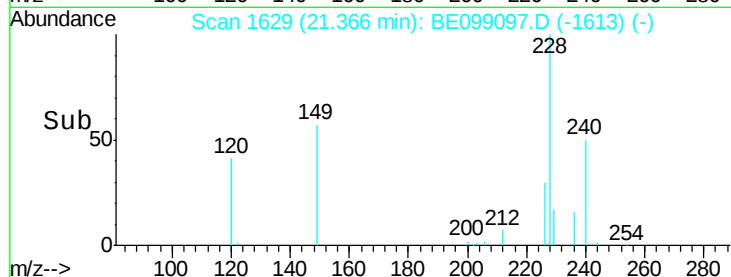
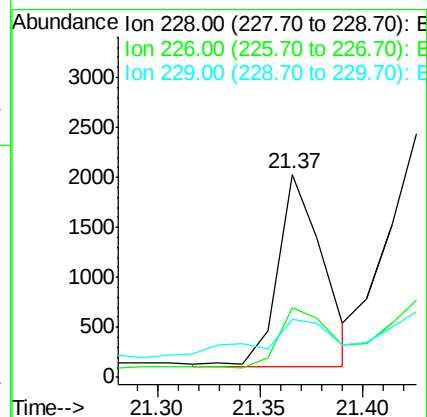
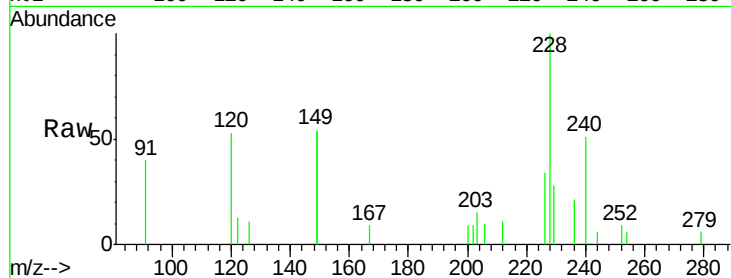
Tgt Ion:228 Resp: 2940

Ion Ratio Lower Upper

228 100

226 33.9 23.0 34.4

229 28.3 16.5 24.7#



#31

Chrysene

Concen: 0.030 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

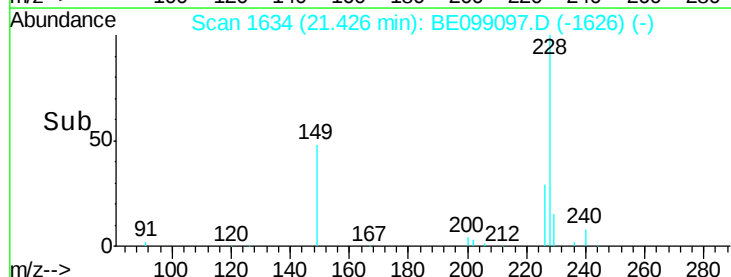
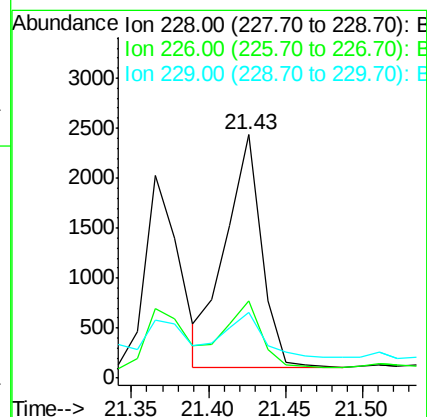
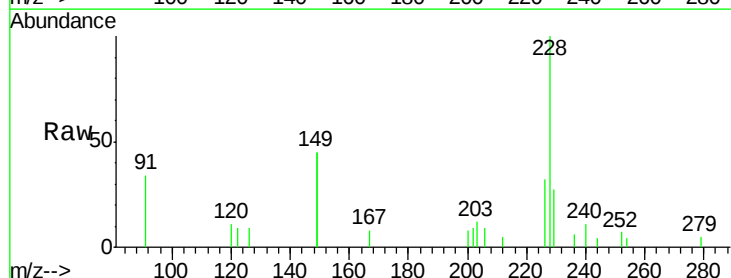
Tgt Ion:228 Resp: 3746

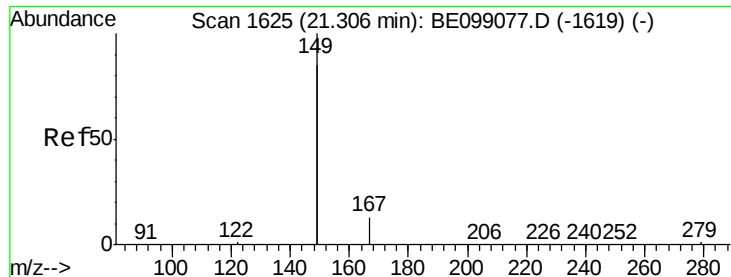
Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

229 26.8 16.1 24.1#

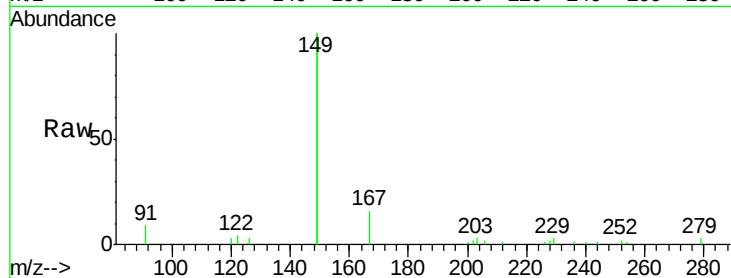




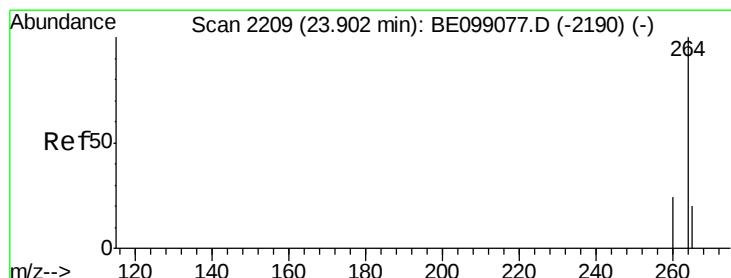
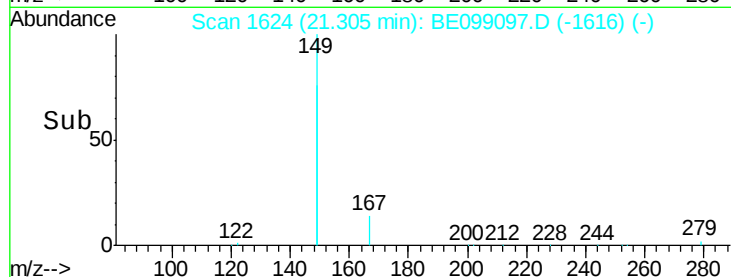
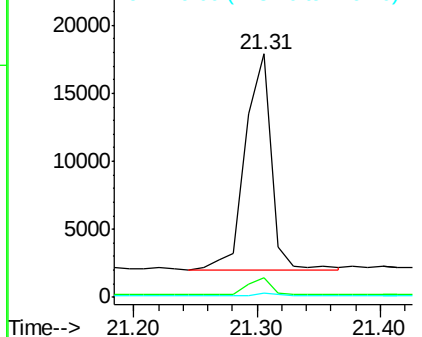
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.142 ng
 RT: 21.31 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B035-031319

Tgt Ion:149 Resp: 23339
 Ion Ratio Lower Upper
 149 100
 167 7.5 5.4 8.0
 279 1.1 1.0 1.4

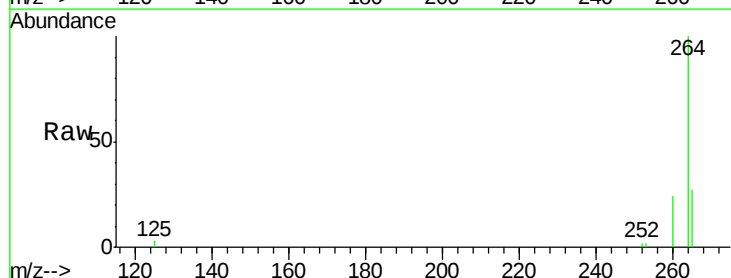


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

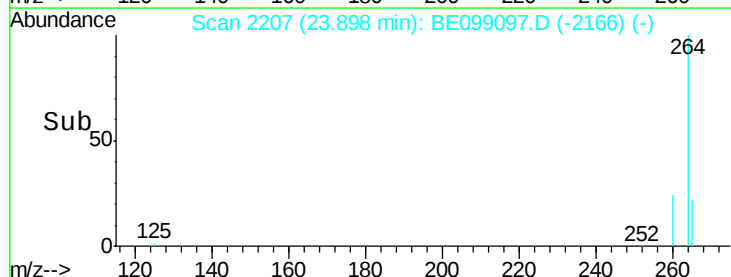
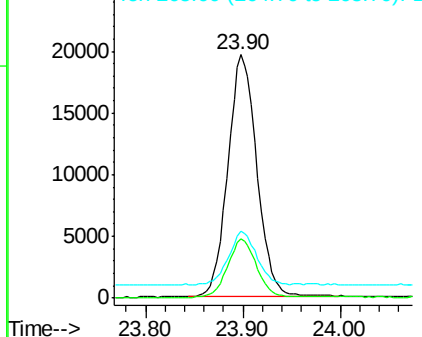


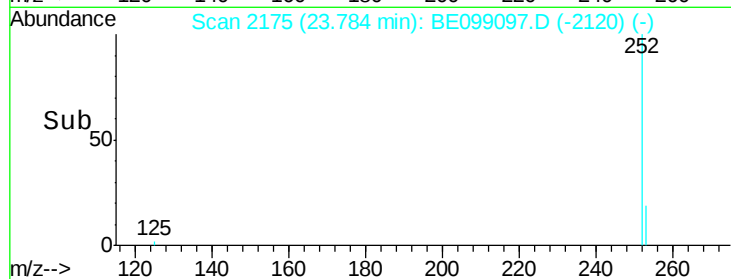
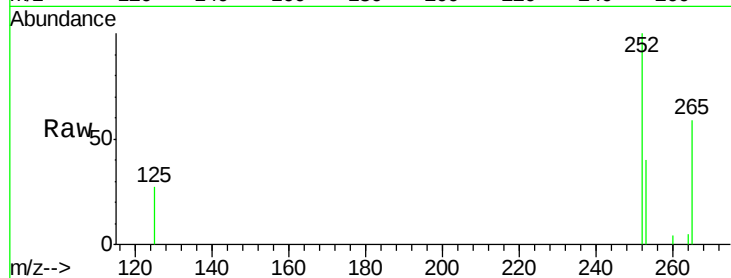
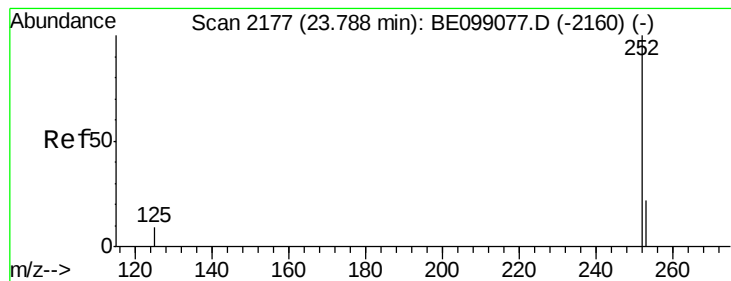
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE099097.D
 Acq: 23 Mar 2019 1:49

Tgt Ion:264 Resp: 40748
 Ion Ratio Lower Upper
 264 100
 260 24.2 21.2 31.8
 265 27.3 24.6 36.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BE099097.D

Acq: 23 Mar 2019 1:49

Instrument :

BNA_E

ClientSampleId :

PST-025-B035-031319

Tgt Ion: 252 Resp: 3079

Ion Ratio Lower Upper

252 100

253 39.7 19.9 29.9#

125 27.3 9.0 13.4#

