

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099087.D
 Acq On : 22 Mar 2019 19:33
 Operator : JU/SJ
 Sample : K1948-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW064-031219

Quant Time: Mar 23 01:15:01 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	2973	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	11289	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	7155	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	20934	0.40	ng	0.00
27) Chrysene-d12	21.39	240	31630	0.40	ng	0.00
34) Perylene-d12	23.90	264	34707	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	3983	0.45	ng	0.00
5) Phenol-d6	6.99	99	5822	0.46	ng	0.00
8) Nitrobenzene-d5	9.16	82	224	0.05	ng	0.17
11) 2-Methylnaphthalene-d10	12.22	152	8436	0.41	ng	-0.01
14) 2,4,6-Tribromophenol	15.96	330	1117	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	11879	0.42	ng	0.00
25) Fluoranthene-d10	19.24	212	124475	0.45	ng	0.00
29) Terphenyl-d14	19.84	244	21198	0.32	ng	0.00

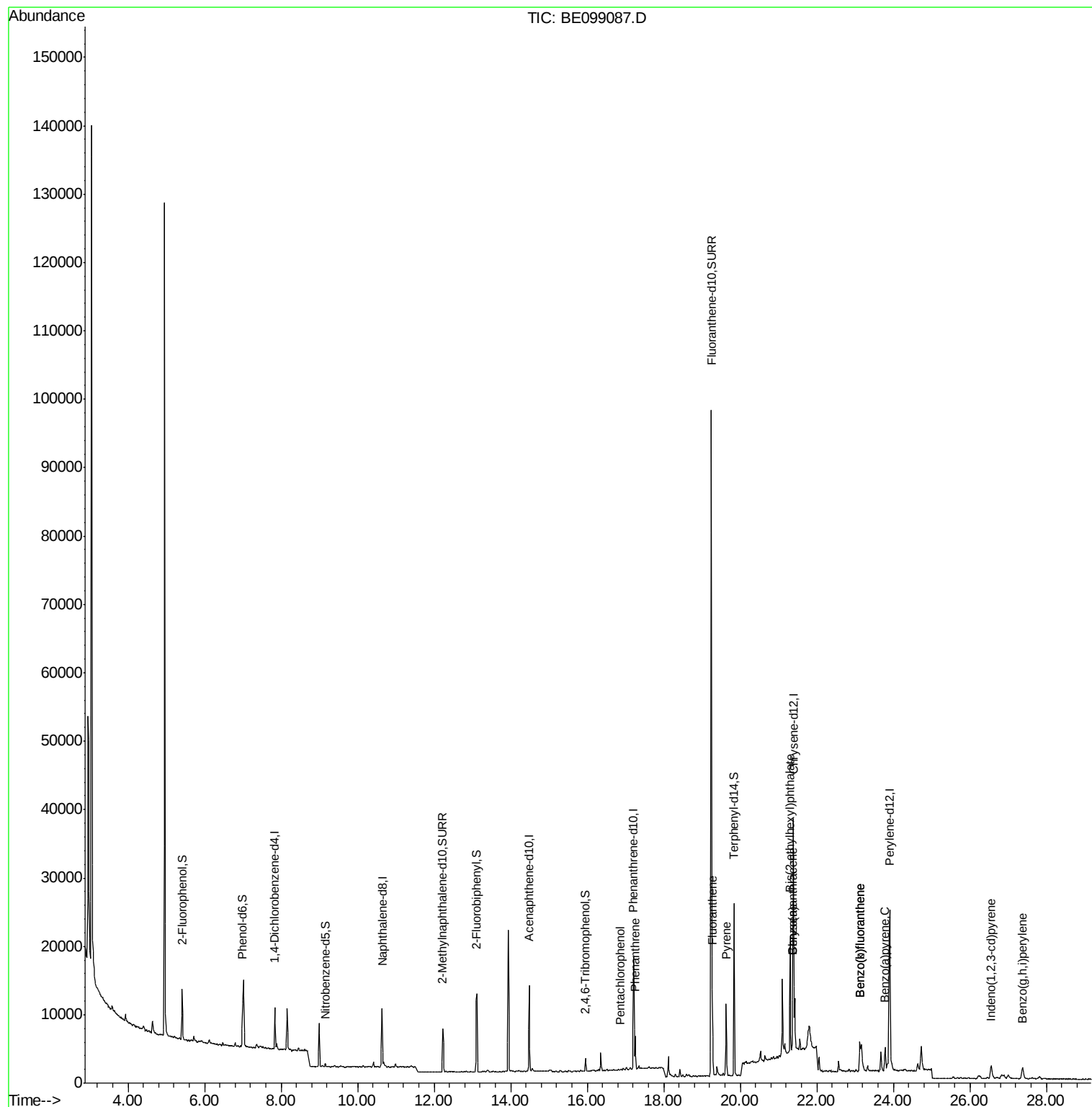
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.87	266	67	0.266	ng	91
23) Phenanthrene	17.25	178	4861	0.078	ng	99
26) Fluoranthene	19.27	202	10707	0.122	ng	98
28) Pyrene	19.63	202	9684	0.090	ng	96
30) Benzo(a)anthracene	21.37	228	6091	0.055	ng	98
31) Chrysene	21.37	228	4179	0.038	ng	98
32) Bis(2-ethylhexyl)phthalate	21.31	149	18700	0.129	ng	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	3865	0.032	ng	# 84
35) Benzo(b)fluoranthene	23.13	252	8577	0.071	ng	# 83
36) Benzo(k)fluoranthene	23.13	252	8577	0.073	ng	# 86
37) Benzo(a)pyrene	23.79	252	5616	0.051	ng	# 86
39) Benzo(g,h,i)perylene	27.38	276	4084	0.037	ng	# 85

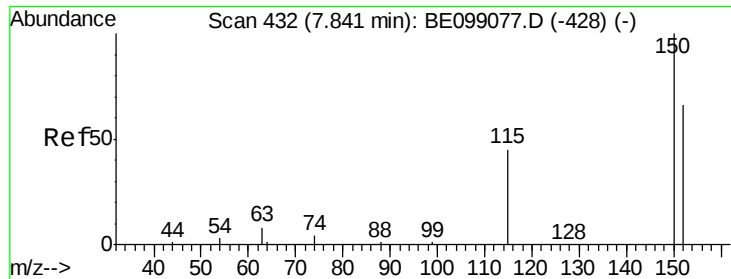
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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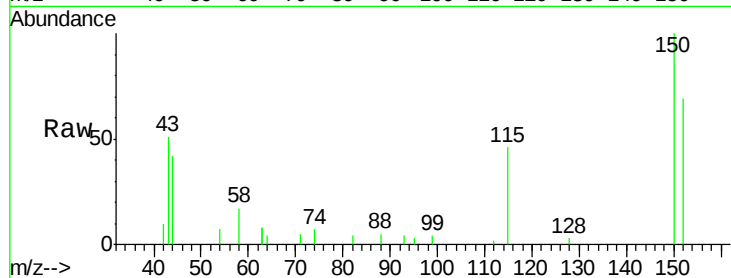


#1

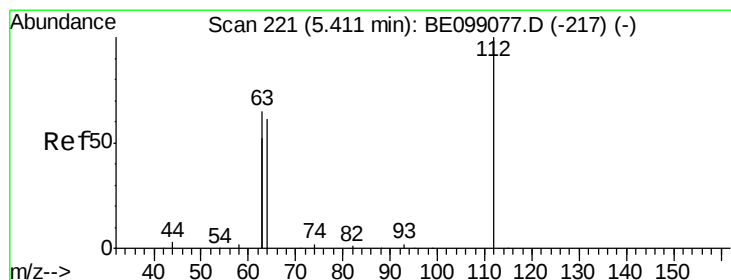
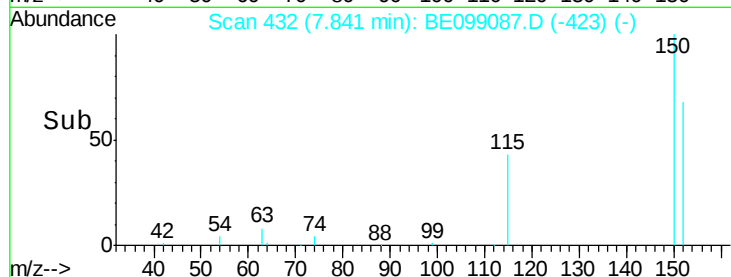
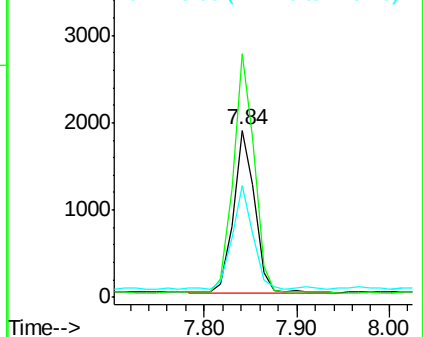
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099087.D
Acq: 22 Mar 2019 19:33

Instrument :
BNA_E
ClientSampleId :
PST-028-SW064-031219

Tgt Ion:152 Resp: 2973
Ion Ratio Lower Upper
152 100
150 145.7 122.5 183.7
115 66.7 57.4 86.2



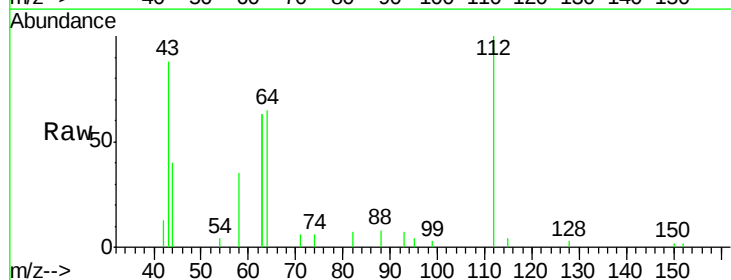
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



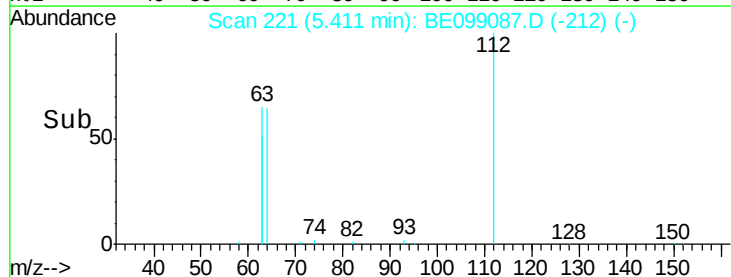
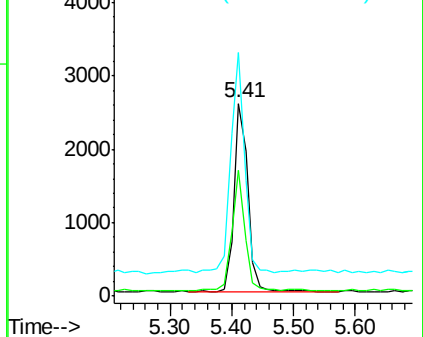
#4

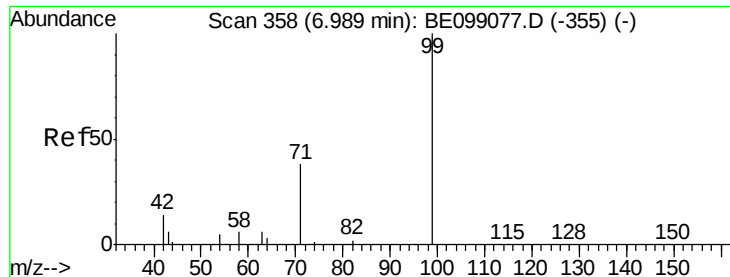
2-Fluorophenol
Concen: 0.450 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099087.D
Acq: 22 Mar 2019 19:33

Tgt Ion:112 Resp: 3983
Ion Ratio Lower Upper
112 100
64 59.5 57.9 86.9
63 115.7 158.3 237.5#



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: 0.457 ng

RT: 6.99 min Scan# 358

Delta R.T. -0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

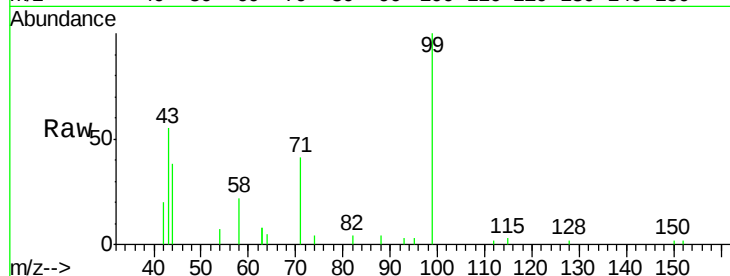
Tgt Ion: 99 Resp: 5822

Ion Ratio Lower Upper

99 100

42 19.7 24.2 36.2#

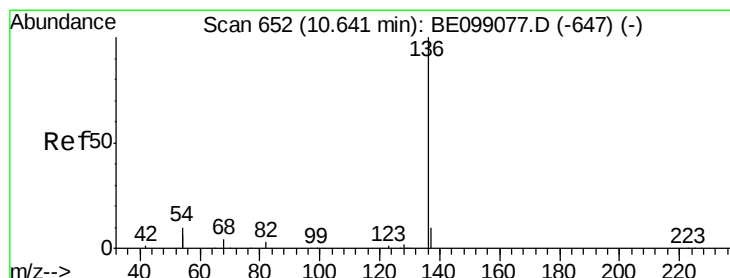
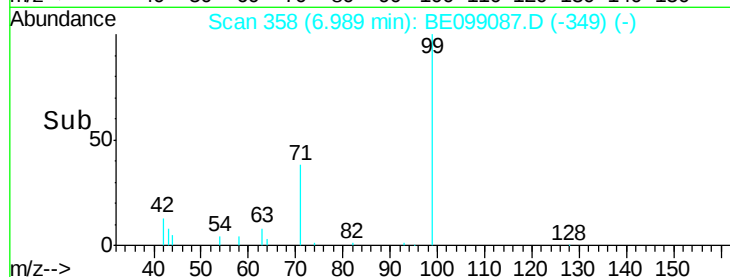
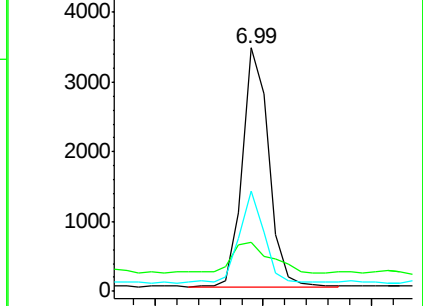
71 35.8 35.7 53.5



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: BE099087.D

Acq: 22 Mar 2019 19:33

Tgt Ion: 136 Resp: 11289

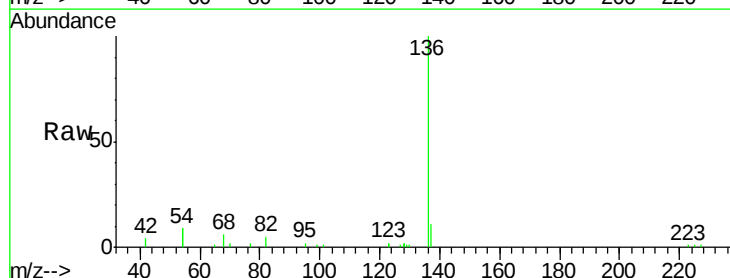
Ion Ratio Lower Upper

136 100

137 11.2 11.4 17.0#

54 18.6 39.3 58.9#

68 5.5 6.7 10.1#

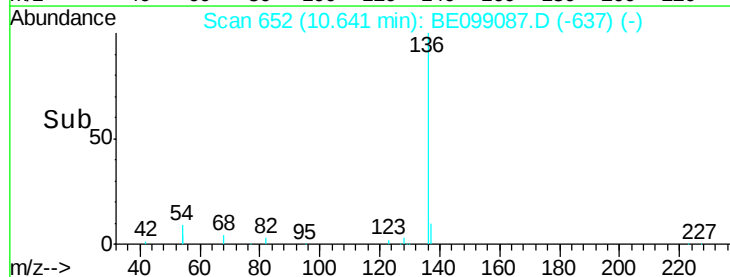
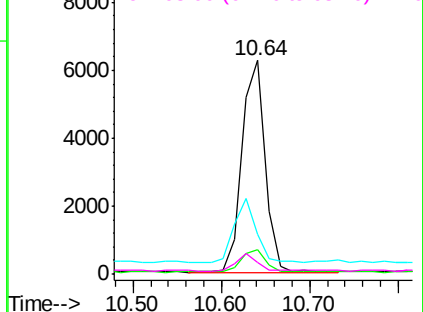


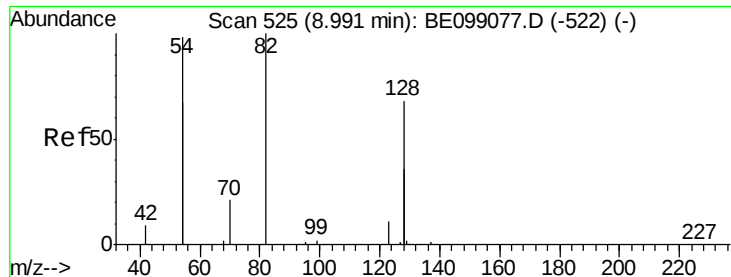
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.045 ng

RT: 9.16 min Scan# 538

Delta R.T. 0.17 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

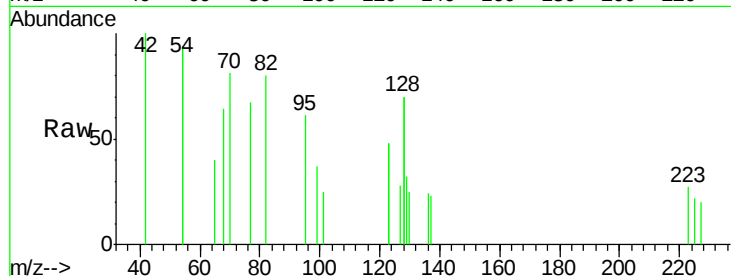
Tgt Ion: 82 Resp: 224

Ion Ratio Lower Upper

82 100

128 173.1 123.8 185.8

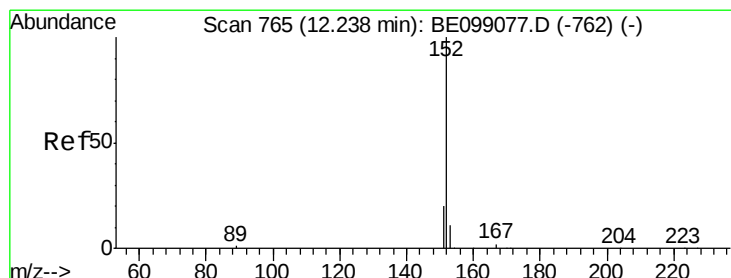
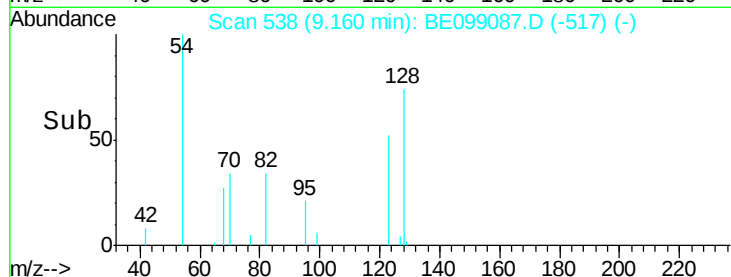
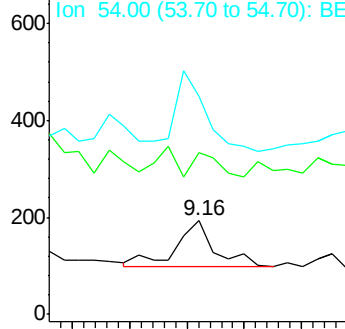
54 233.2 203.4 305.2



Abundance Ion 82.00 (81.70 to 82.70): BE099087.D (-517) (-)

Ion 128.00 (127.70 to 128.70): BE099087.D (-517) (-)

Ion 54.00 (53.70 to 54.70): BE099087.D (-517) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.415 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.01 min

Lab File: BE099087.D

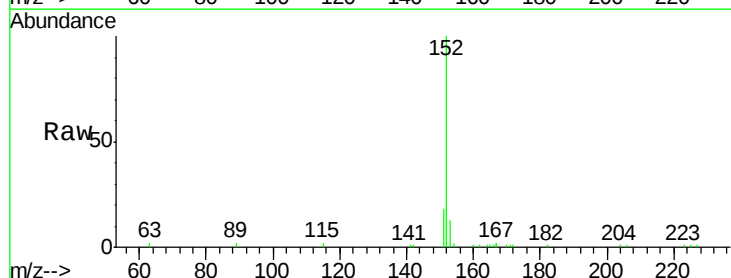
Acq: 22 Mar 2019 19:33

Tgt Ion: 152 Resp: 8436

Ion Ratio Lower Upper

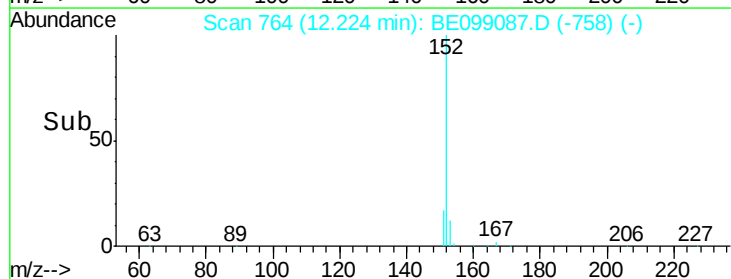
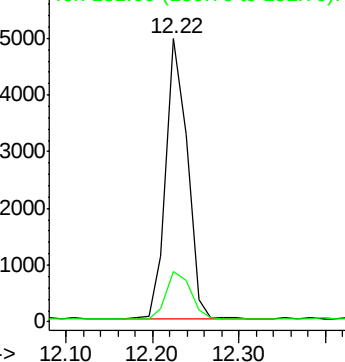
152 100

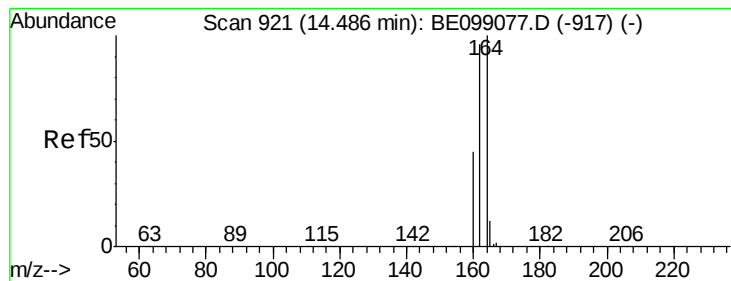
151 19.3 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): BE099087.D (-758) (-)

Ion 151.00 (150.70 to 151.70): BE099087.D (-758) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

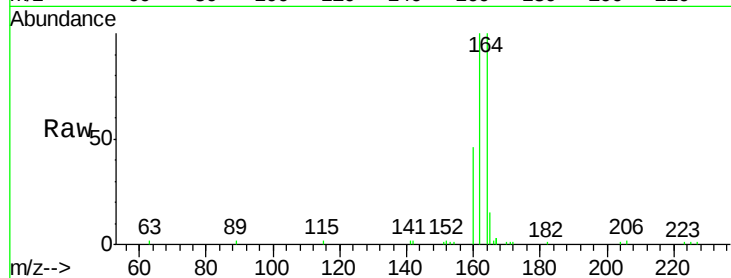
Tgt Ion:164 Resp: 7155

Ion Ratio Lower Upper

164 100

162 100.4 80.2 120.2

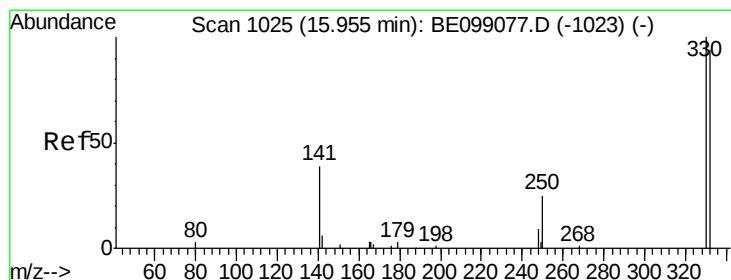
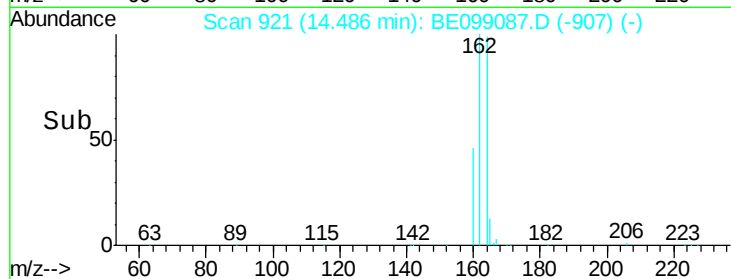
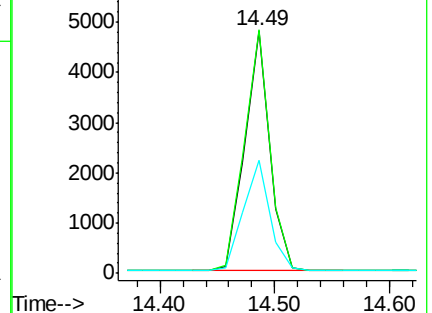
160 46.7 37.8 56.8



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: 0.531 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

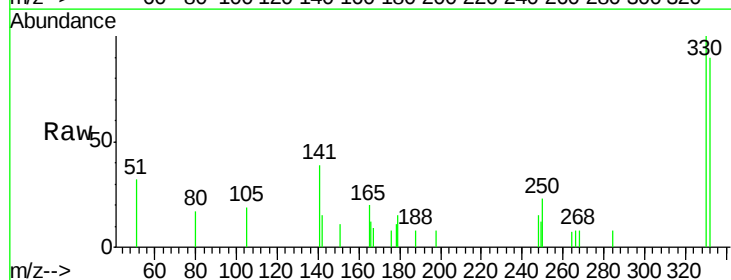
Tgt Ion:330 Resp: 1117

Ion Ratio Lower Upper

330 100

332 92.1 77.6 116.4

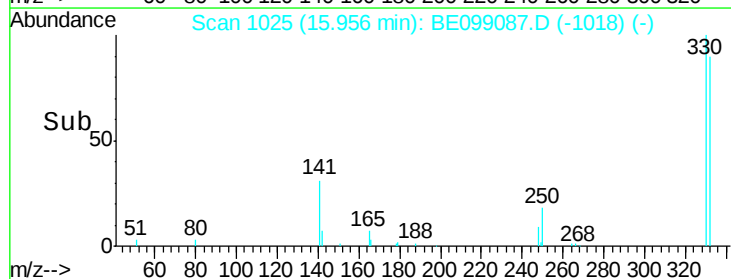
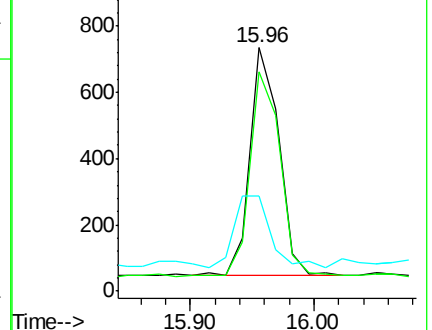
141 39.3 31.0 46.4

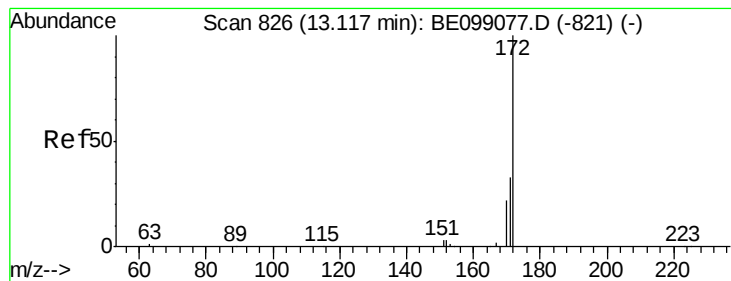


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.417 ng

RT: 13.12 min Scan# 826

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

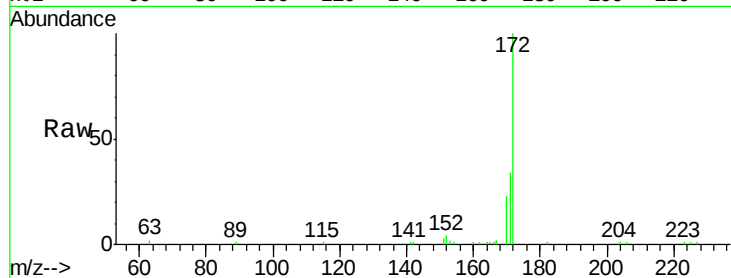
Tgt Ion:172 Resp: 11879

Ion Ratio Lower Upper

172 100

171 34.0 28.0 42.0

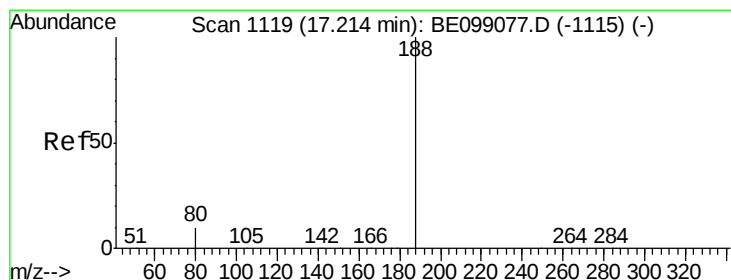
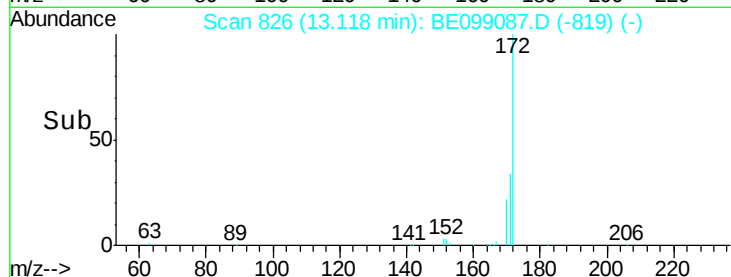
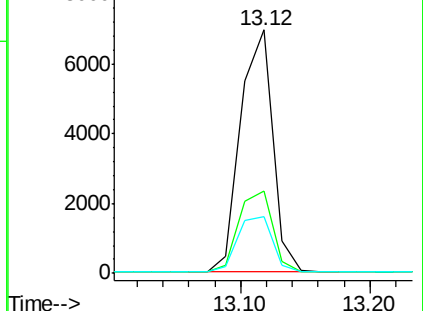
170 23.1 17.7 26.5



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: BE099087.D

Acq: 22 Mar 2019 19:33

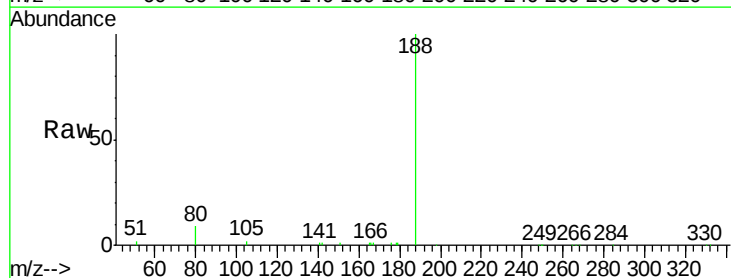
Tgt Ion:188 Resp: 20934

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

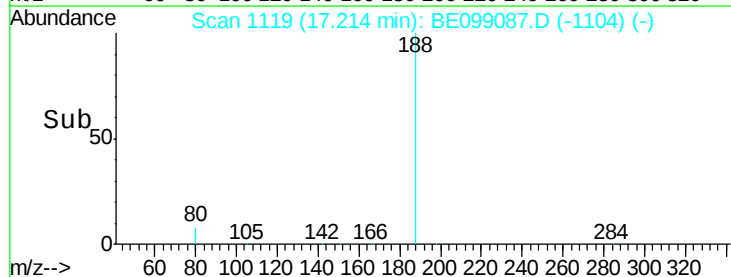
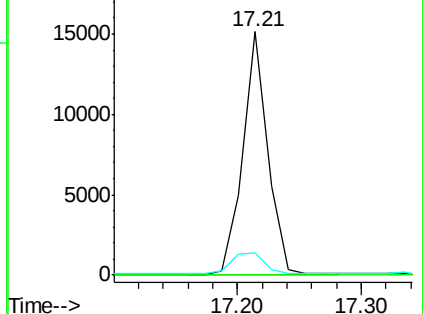
80 9.1 6.3 9.5

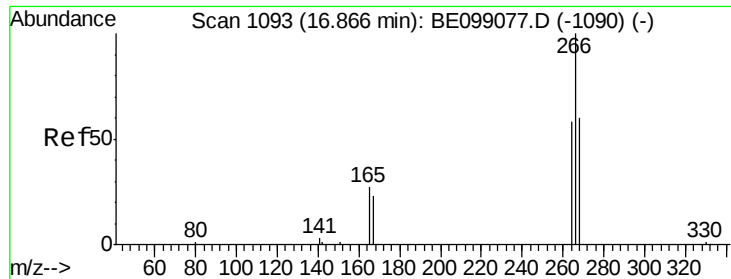


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#22

Pentachlorophenol

Concen: 0.266 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

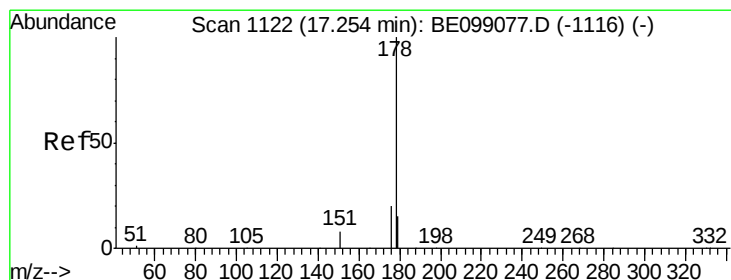
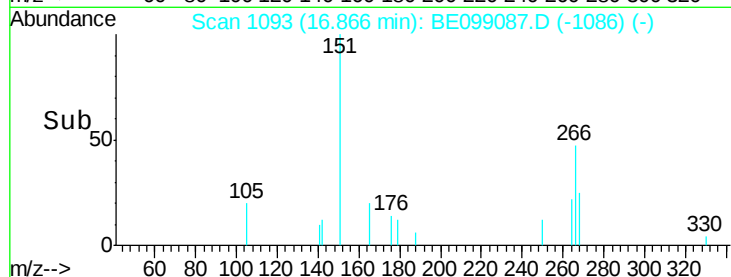
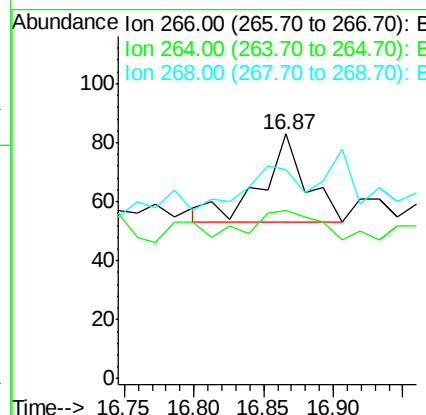
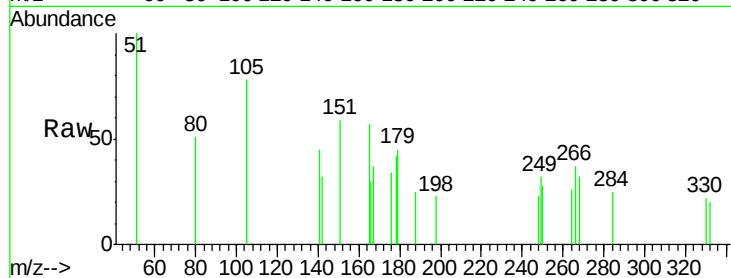
Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

Tgt Ion:	266	Resp:	67
Ion	Ratio	Lower	Upper
266	100		
264	68.7	66.6	100.0
268	85.5	69.8	104.8



#23

Phenanthrene

Concen: 0.078 ng

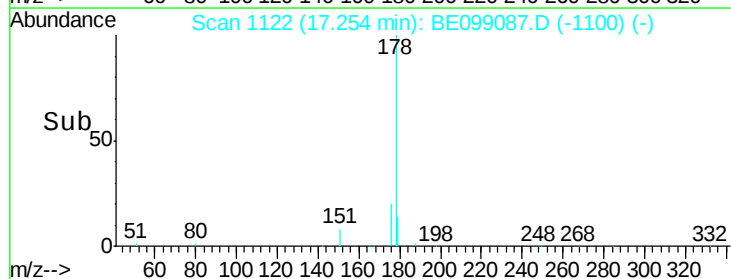
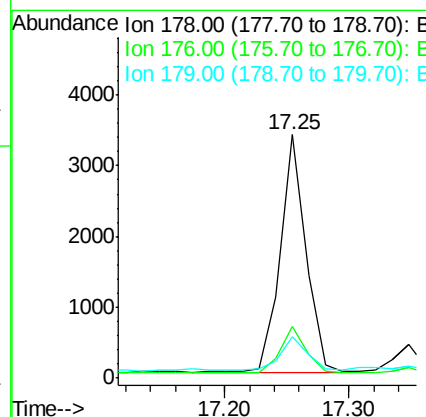
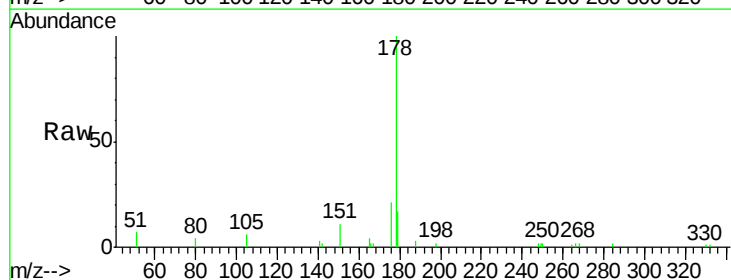
RT: 17.25 min Scan# 1122

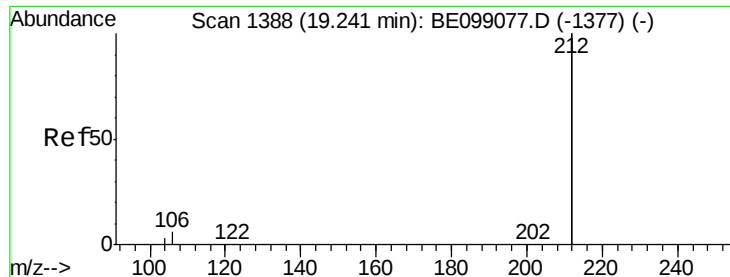
Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Tgt Ion:	178	Resp:	4861
Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.0	24.0
179	14.7	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.446 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

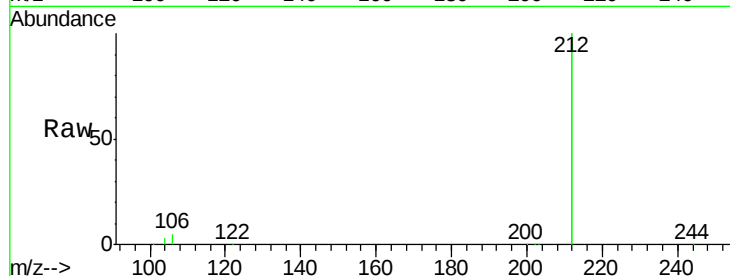
Tgt Ion:212 Resp: 124475

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

104 1.5 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

120000

100000

80000

60000

40000

20000

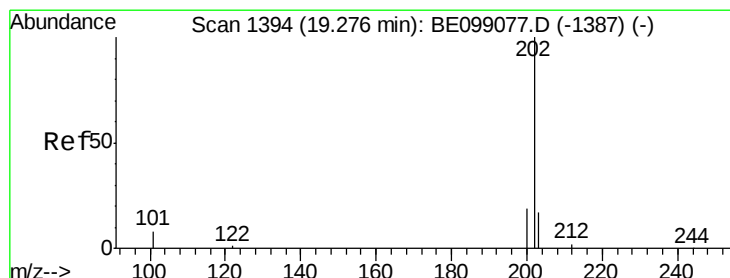
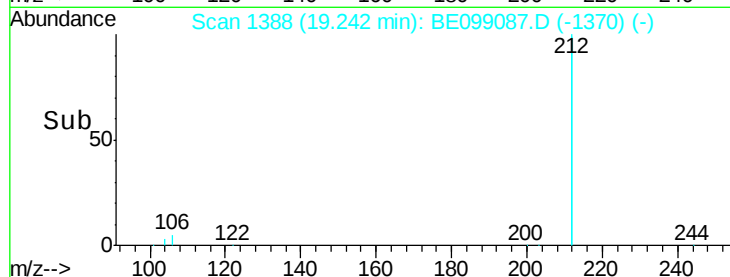
0

19.24

19.20

19.30

Time-->



#26

Fluoranthene

Concen: 0.122 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

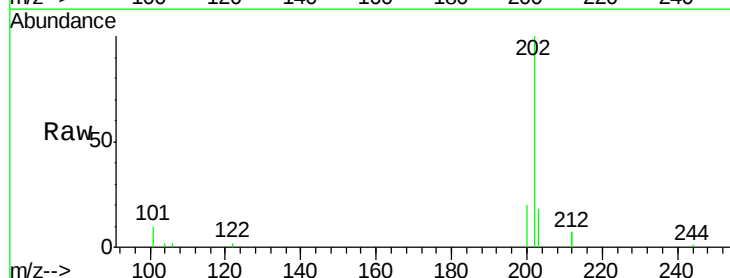
Tgt Ion:202 Resp: 10707

Ion Ratio Lower Upper

202 100

101 10.2 7.3 10.9

203 17.2 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

10000

8000

6000

4000

2000

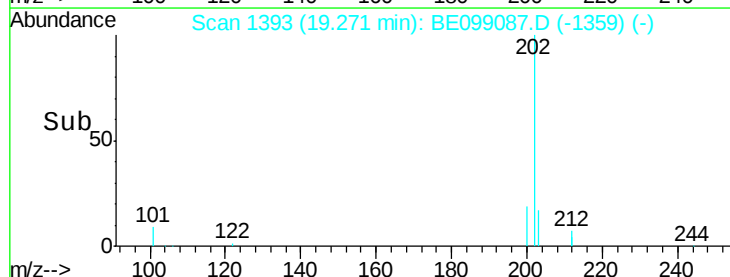
0

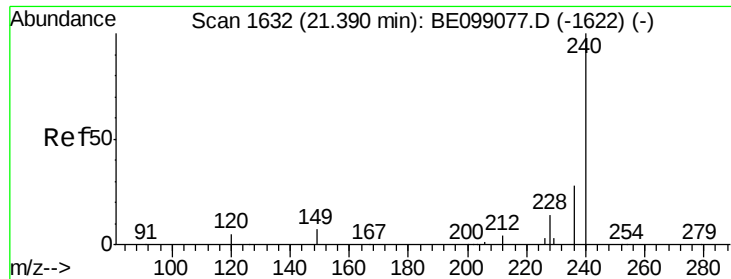
19.27

19.20

19.30

Time-->

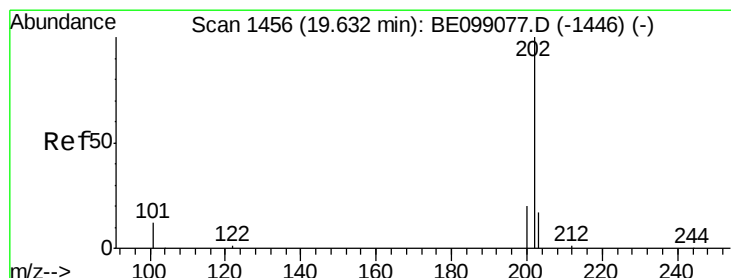
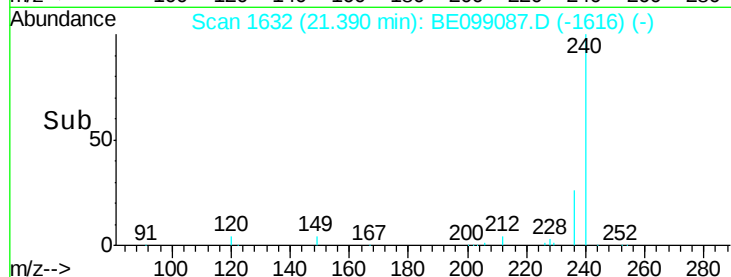
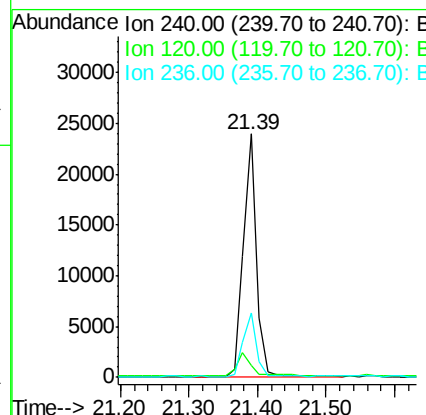
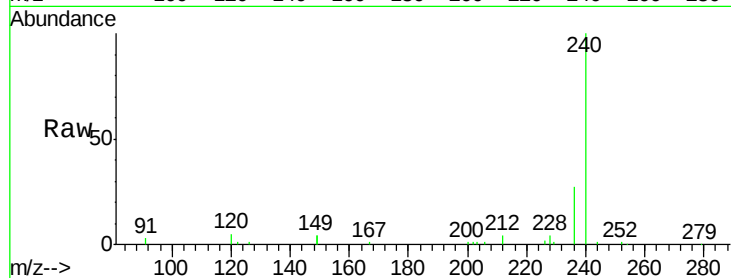




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BE099087.D
 Acq: 22 Mar 2019 19:33

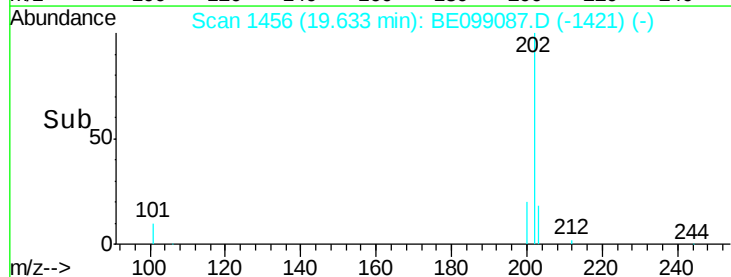
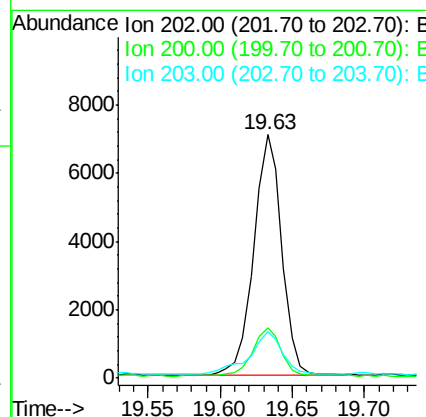
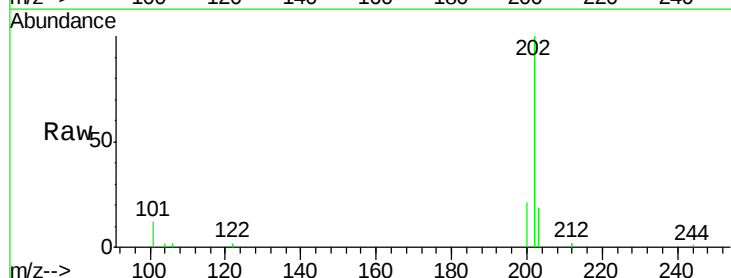
Instrument :
 BNA_E
 ClientSampleId :
 PST-028-SW064-031219

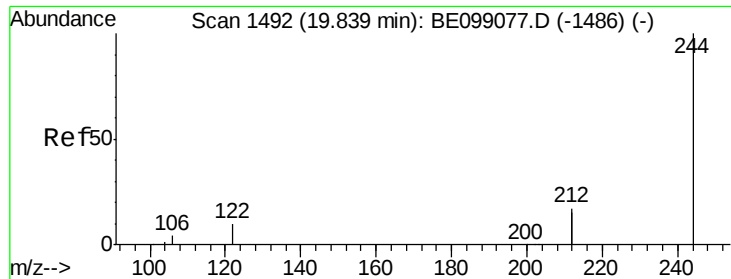
Tgt Ion:240 Resp: 31630
 Ion Ratio Lower Upper
 240 100
 120 4.9 5.0 7.4#
 236 26.5 22.7 34.1



#28
 Pyrene
 Concen: 0.090 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099087.D
 Acq: 22 Mar 2019 19:33

Tgt Ion:202 Resp: 9684
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.0 25.6
 203 20.5 14.2 21.2





#29

Terphenyl-d14

Concen: 0.317 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

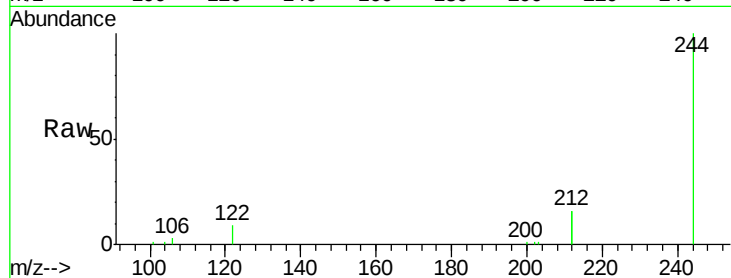
Tgt Ion:244 Resp: 21198

Ion Ratio Lower Upper

244 100

212 31.4 29.4 44.2

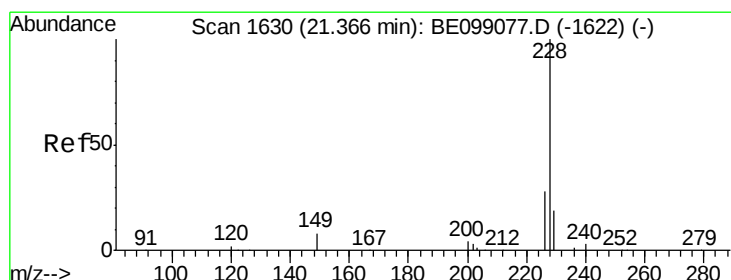
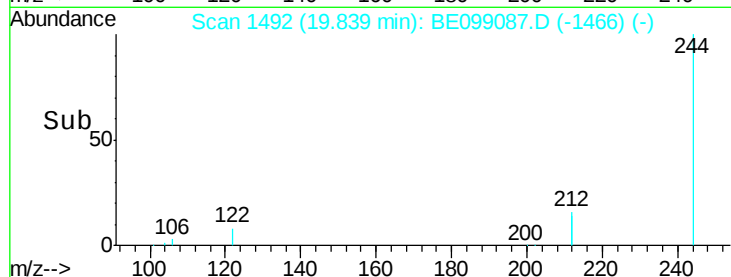
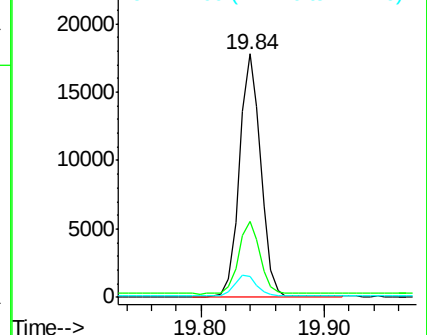
122 8.7 7.1 10.7



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: 0.055 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

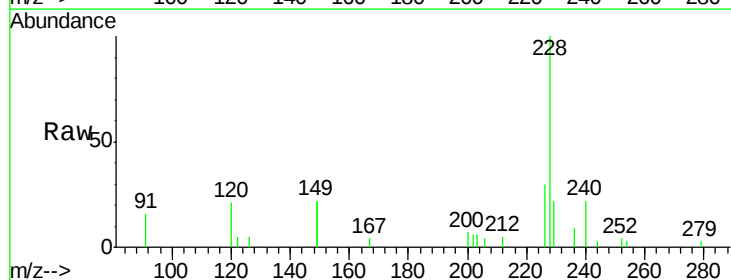
Tgt Ion:228 Resp: 6091

Ion Ratio Lower Upper

228 100

226 29.8 23.0 34.4

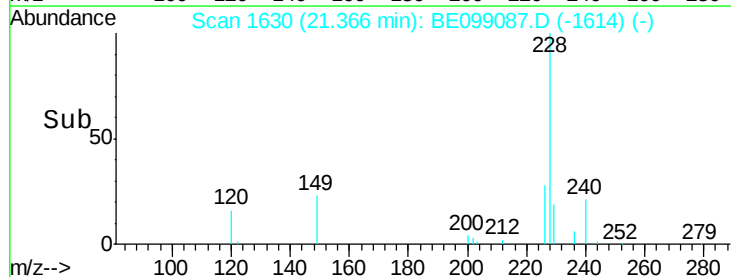
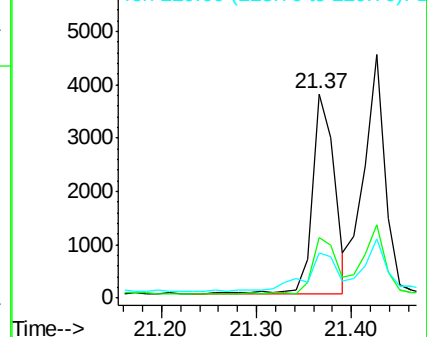
229 22.0 16.5 24.7

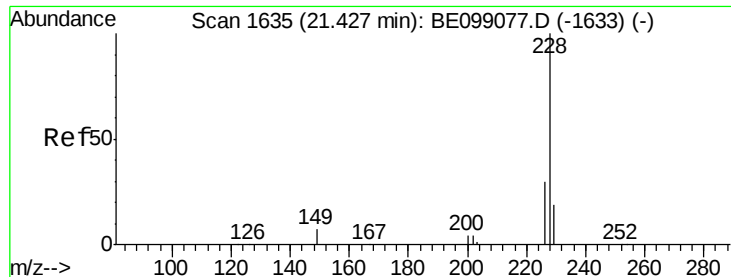


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.038 ng

RT: 21.37 min Scan# 1630

Delta R.T. -0.06 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

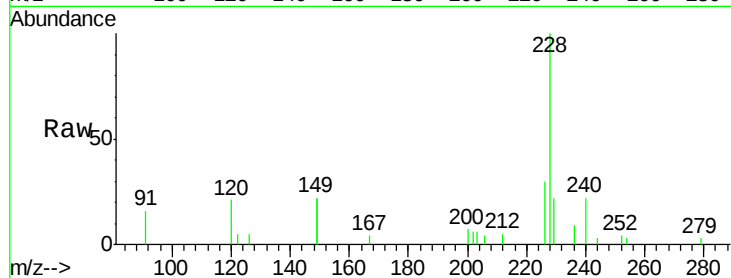
Tgt Ion:228 Resp: 4179

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

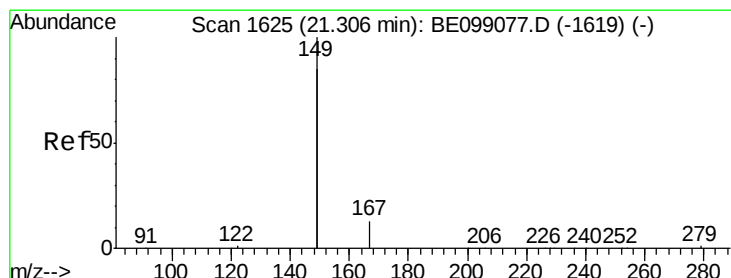
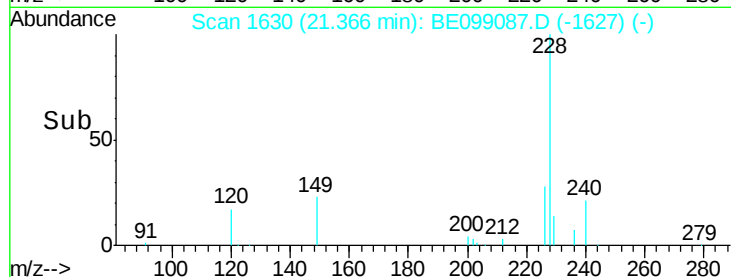
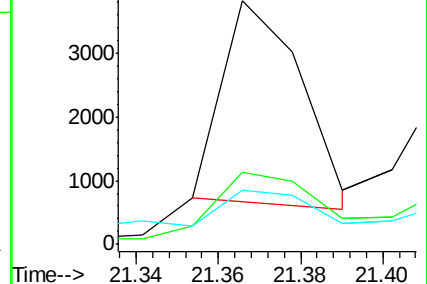
229 22.0 16.1 24.1



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: 0.129 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

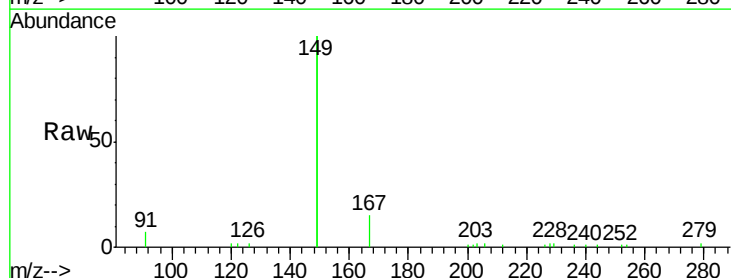
Tgt Ion:149 Resp: 18700

Ion Ratio Lower Upper

149 100

167 7.3 5.4 8.0

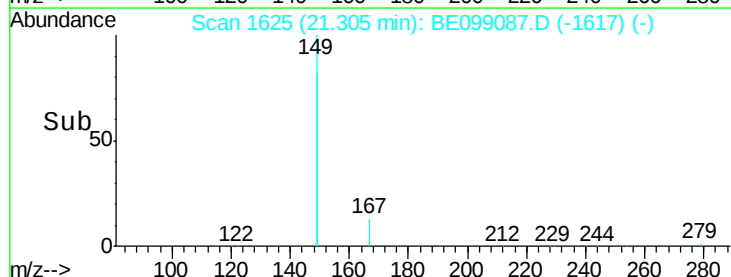
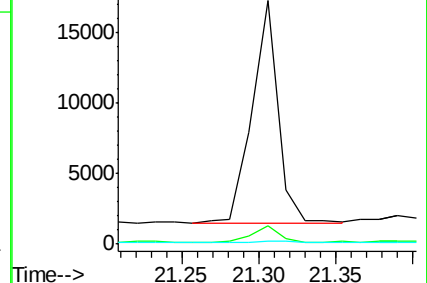
279 1.0 1.0 1.4

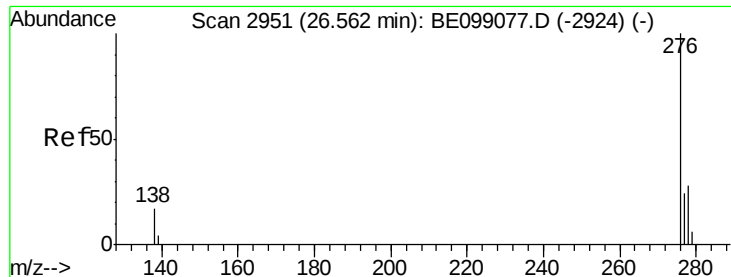


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.032 ng

RT: 26.55 min Scan# 2948

Delta R.T. -0.01 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

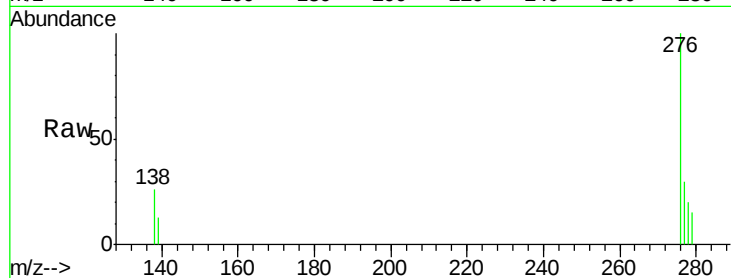
Tgt Ion:276 Resp: 3865

Ion Ratio Lower Upper

276 100

138 14.9 13.8 20.8

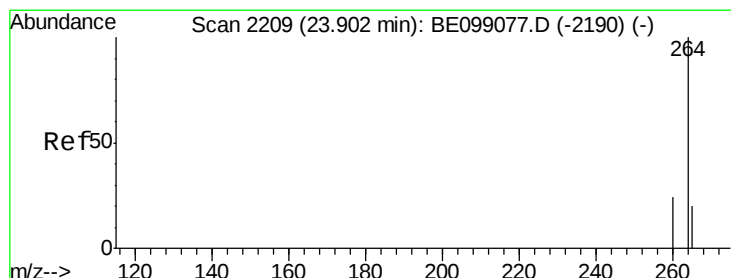
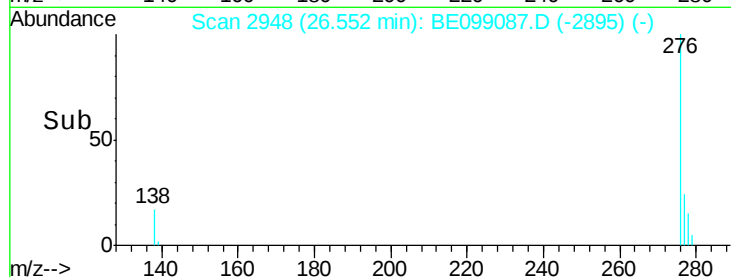
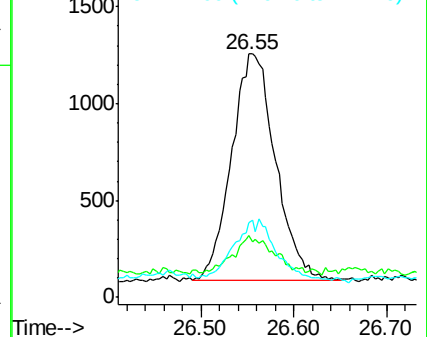
277 12.7 19.5 29.3#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.90 min Scan# 2209

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

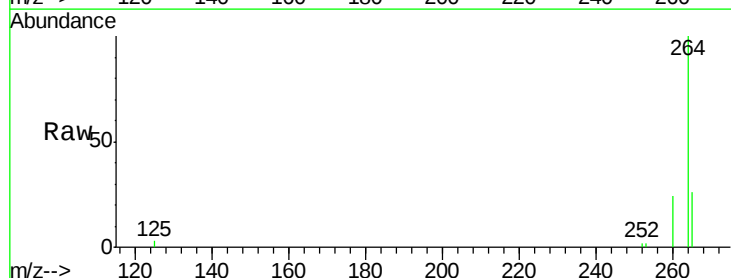
Tgt Ion:264 Resp: 34707

Ion Ratio Lower Upper

264 100

260 24.0 21.2 31.8

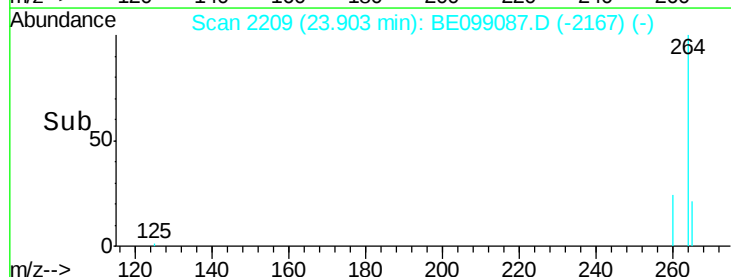
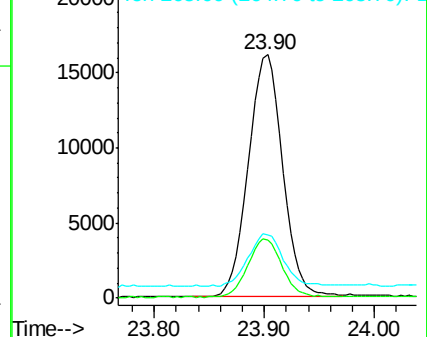
265 25.9 24.6 36.8

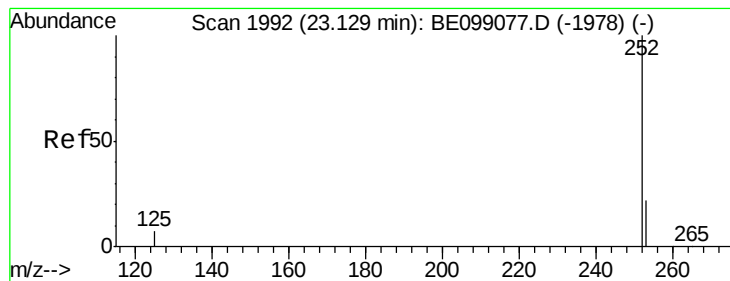


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.071 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

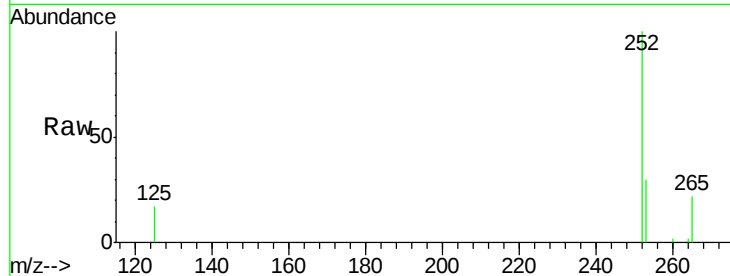
Tgt Ion:252 Resp: 8577

Ion Ratio Lower Upper

252 100

253 30.2 18.2 27.2#

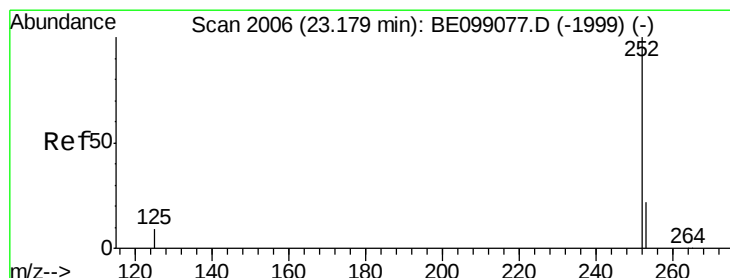
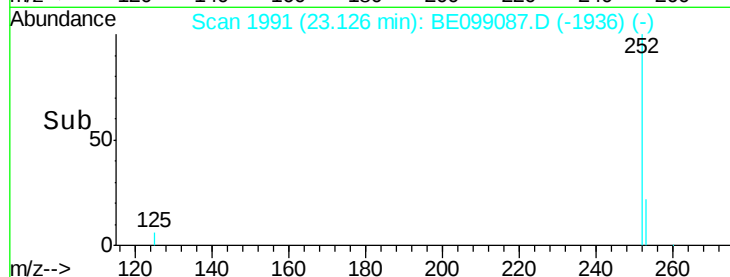
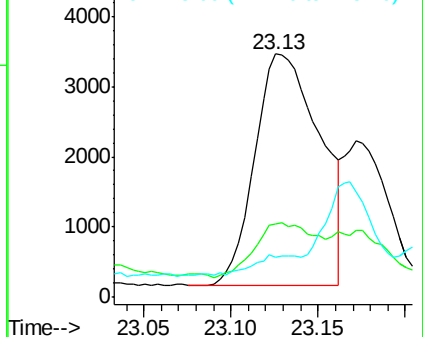
125 16.5 7.3 10.9#



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



#36

Benzo(k)fluoranthene

Concen: 0.073 ng

RT: 23.13 min Scan# 1991

Delta R.T. -0.05 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

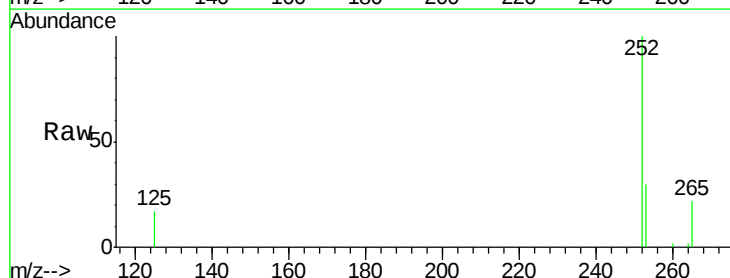
Tgt Ion:252 Resp: 8577

Ion Ratio Lower Upper

252 100

253 30.2 19.3 28.9#

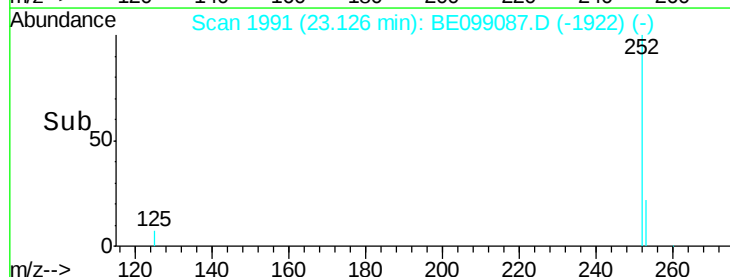
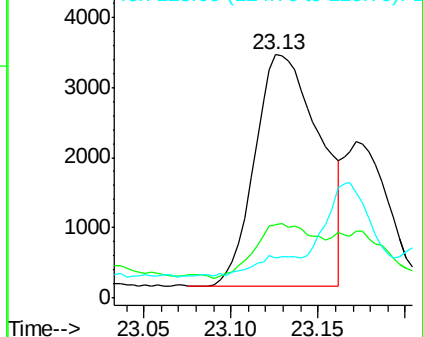
125 16.5 7.5 11.3#

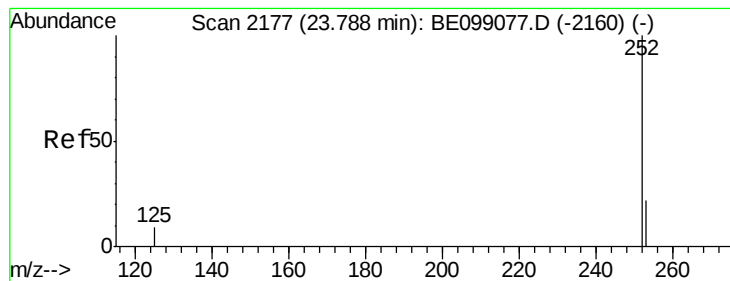


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.051 ng

RT: 23.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

Instrument :

BNA_E

ClientSampleId :

PST-028-SW064-031219

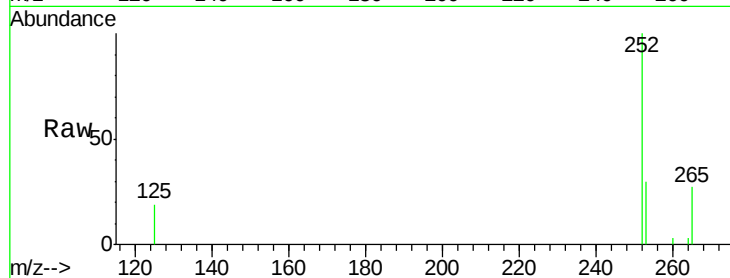
Tgt Ion: 252 Resp: 5616

Ion Ratio Lower Upper

252 100

253 30.3 19.9 29.9#

125 19.2 9.0 13.4#

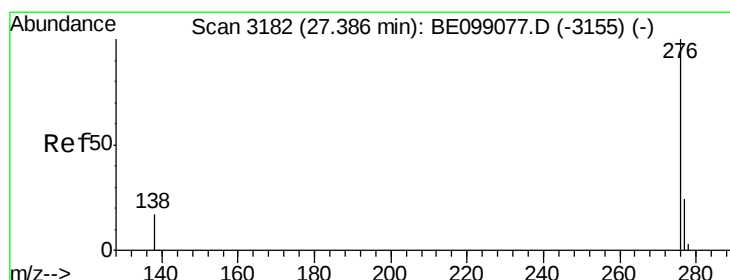
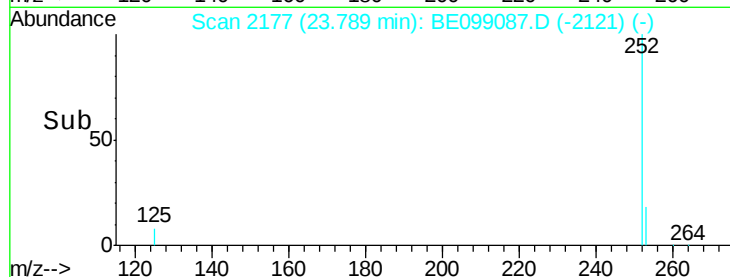
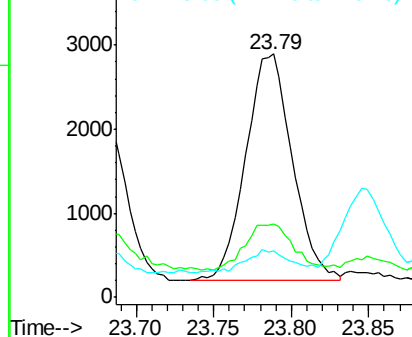


Abundance

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: 0.037 ng

RT: 27.38 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BE099087.D

Acq: 22 Mar 2019 19:33

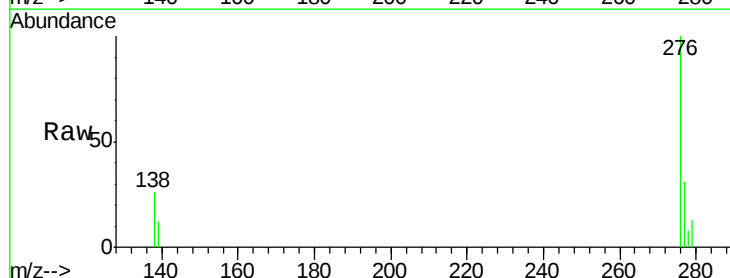
Tgt Ion: 276 Resp: 4084

Ion Ratio Lower Upper

276 100

277 31.2 20.4 30.6#

138 26.4 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

