

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099085.D
 Acq On : 22 Mar 2019 18:18
 Operator : JU/SJ
 Sample : K1948-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B126-031319

Quant Time: Mar 23 01:14:39 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	3571	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	13396	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	8076	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	22445	0.40	ng	0.00
27) Chrysene-d12	21.39	240	32102	0.40	ng	0.00
34) Perylene-d12	23.90	264	37340	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.41	112	4326	0.41	ng	0.00
5) Phenol-d6	6.99	99	5977	0.39	ng	0.00
8) Nitrobenzene-d5	9.16	82	253	0.04	ng	0.17
11) 2-Methylnaphthalene-d10	12.24	152	8709	0.36	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	964	0.41	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12124	0.38	ng	0.00
25) Fluoranthene-d10	19.24	212	102709	0.34	ng	0.00
29) Terphenyl-d14	19.84	244	16117	0.24	ng	0.00

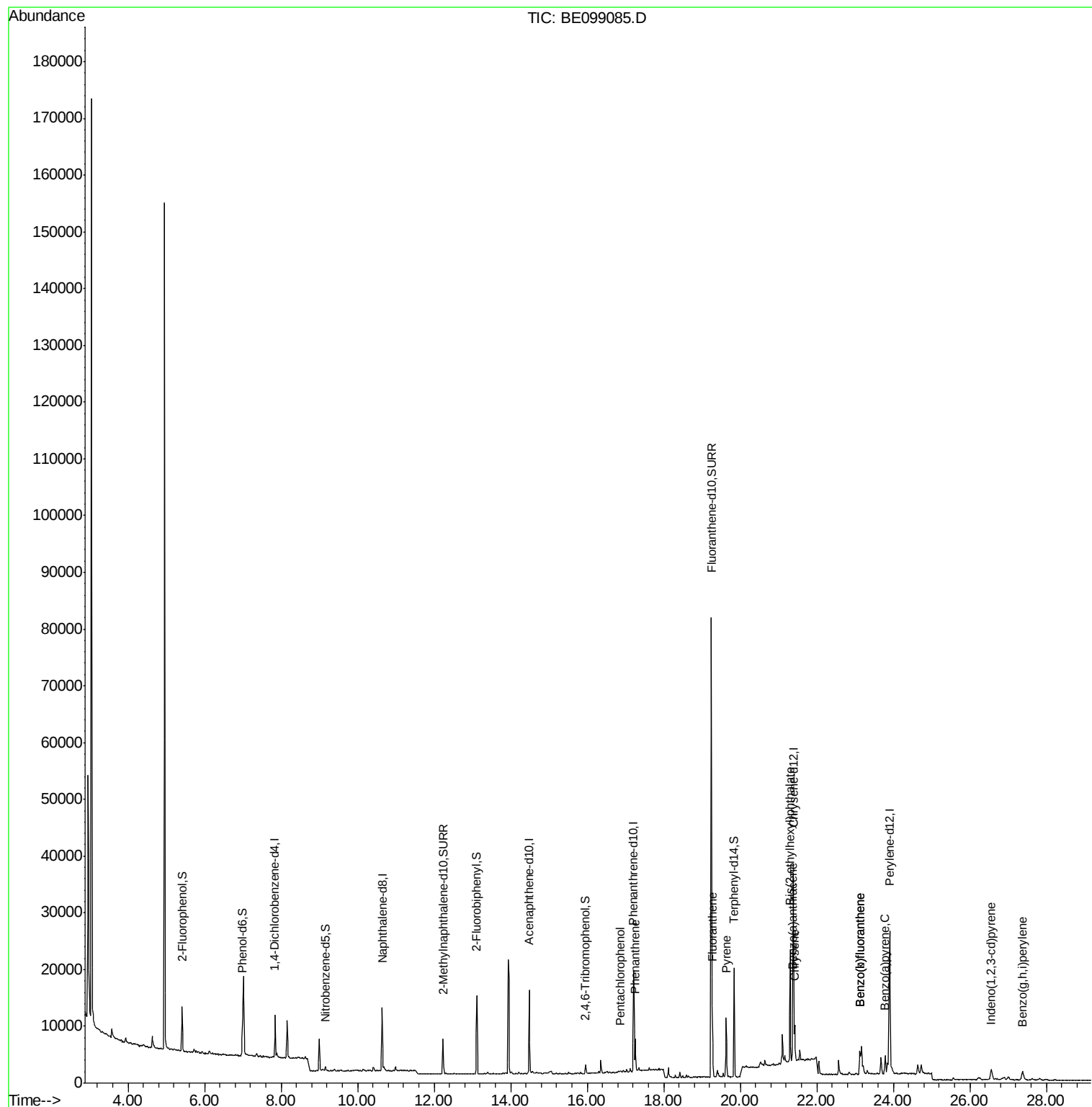
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
22) Pentachlorophenol	16.87	266	173	0.288	ng	84
23) Phenanthrene	17.25	178	5809	0.087	ng	97
26) Fluoranthene	19.27	202	9989	0.107	ng	# 97
28) Pyrene	19.63	202	9883	0.091	ng	96
30) Benzo(a)anthracene	21.37	228	5617	0.050	ng	95
31) Chrysene	21.43	228	6567	0.058	ng	94
32) Bis(2-ethylhexyl)phthalate	21.31	149	21139	0.144	ng	98
33) Indeno(1,2,3-cd)pyrene	26.56	276	3690	0.030	ng	# 87
35) Benzo(b)fluoranthene	23.13	252	8299	0.064	ng	# 85
36) Benzo(k)fluoranthene	23.13	252	8299	0.066	ng	# 87
37) Benzo(a)pyrene	23.79	252	5427	0.045	ng	# 88
39) Benzo(g,h,i)perylene	27.38	276	3815	0.032	ng	# 90

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

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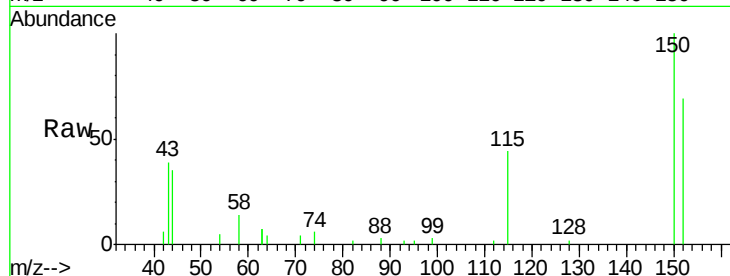


#1

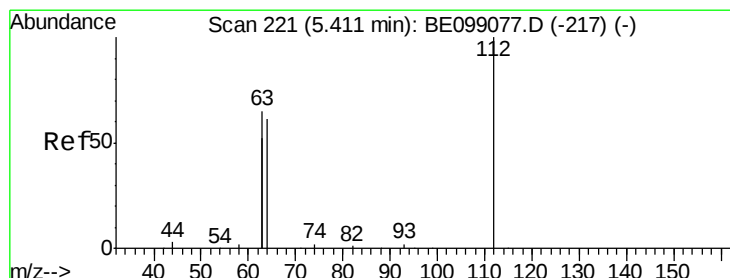
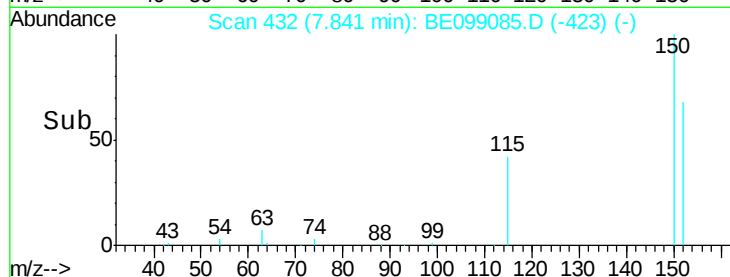
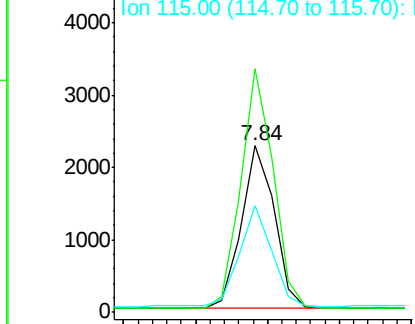
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099085.D
Acq: 22 Mar 2019 18:18

Instrument :
BNA_E
ClientSampleId :
PST-025-B126-031319

Tgt Ion:152 Resp: 3571
Ion Ratio Lower Upper
152 100
150 146.0 122.5 183.7
115 64.0 57.4 86.2



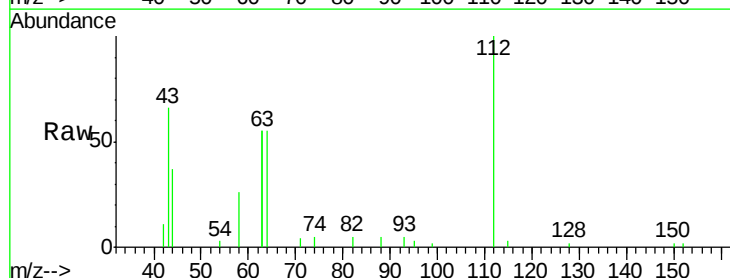
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



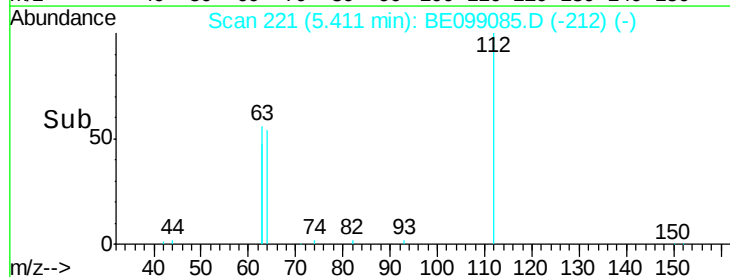
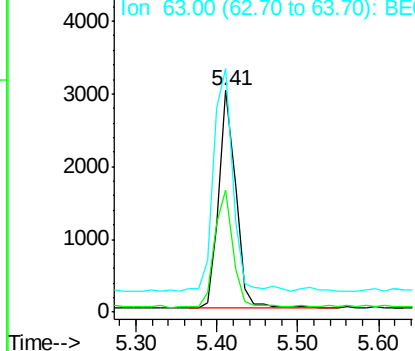
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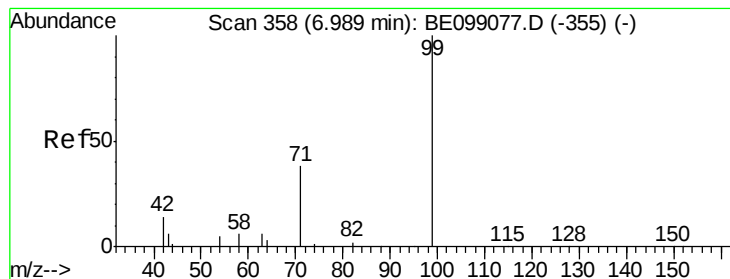
2-Fluorophenol
Concen: 0.407 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099085.D
Acq: 22 Mar 2019 18:18

Tgt Ion:112 Resp: 4326
Ion Ratio Lower Upper
112 100
64 57.4 57.9 86.9#
63 116.9 158.3 237.5#



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: 0.390 ng

RT: 6.99 min Scan# 358

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

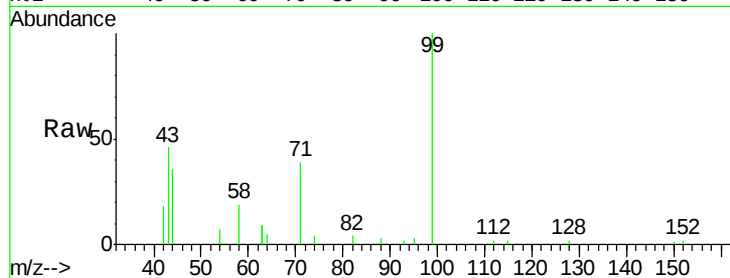
Tgt Ion: 99 Resp: 5977

Ion Ratio Lower Upper

99 100

42 20.2 24.2 36.2#

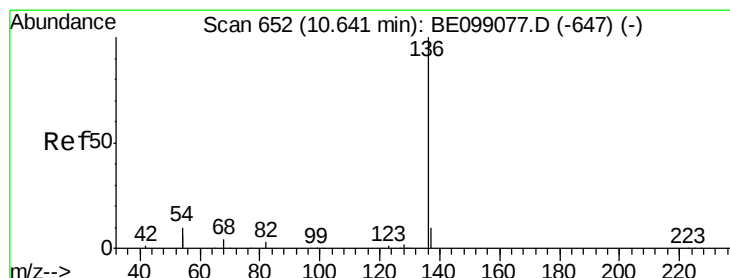
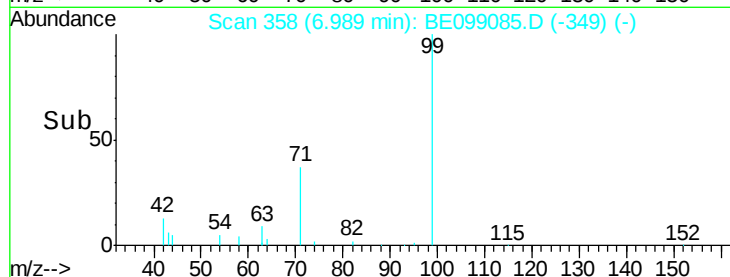
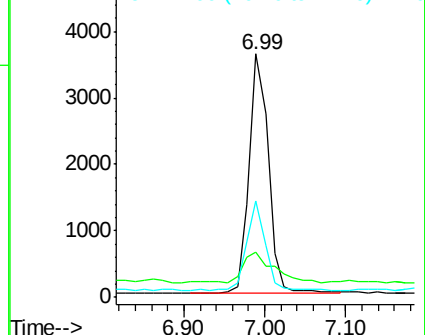
71 37.6 35.7 53.5



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: BE099085.D

Acq: 22 Mar 2019 18:18

Tgt Ion: 136 Resp: 13396

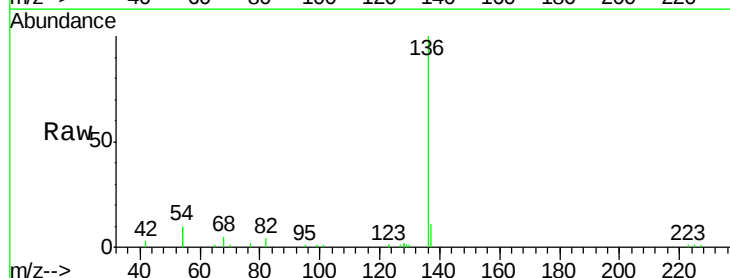
Ion Ratio Lower Upper

136 100

137 11.0 11.4 17.0#

54 20.6 39.3 58.9#

68 5.2 6.7 10.1#

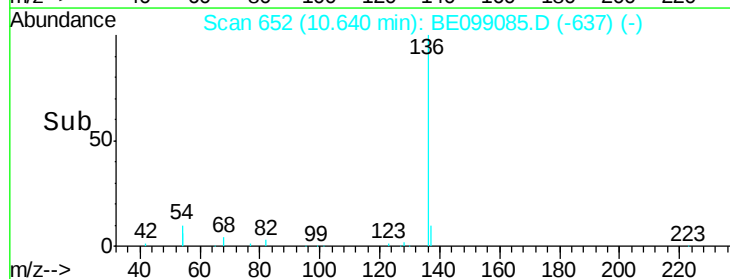
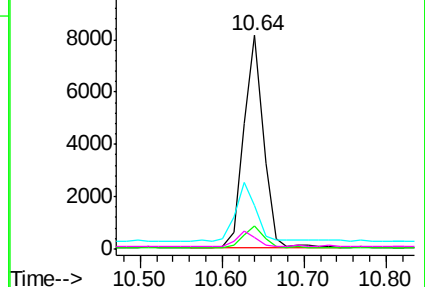


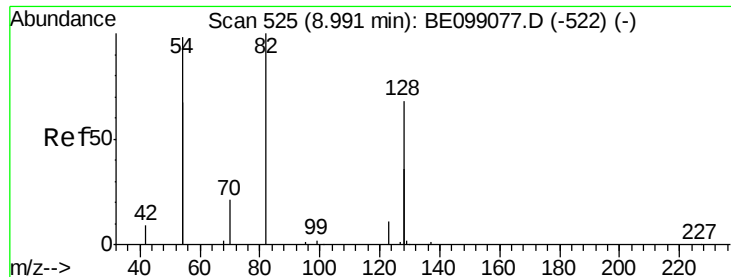
Abundance Ion 136.00 (135.70 to 136.70): E

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

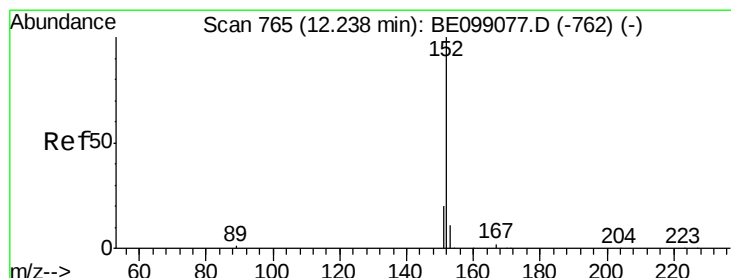
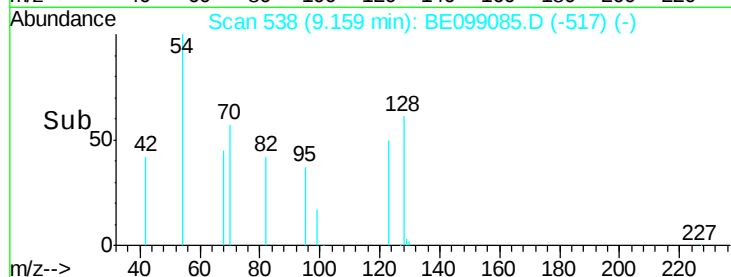
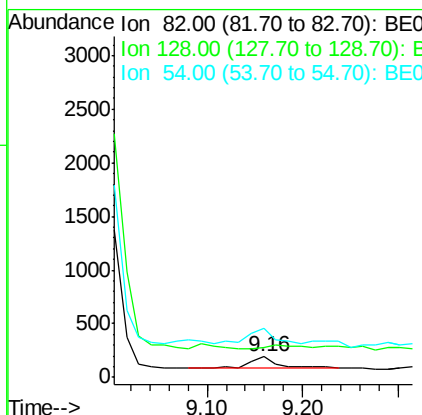
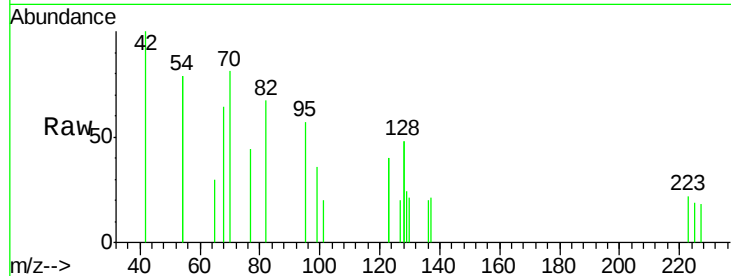




#8
 Nitrobenzene-d5
 Concen: 0.043 ng
 RT: 9.16 min Scan# 538
 Delta R.T. 0.17 min
 Lab File: BE099085.D
 Acq: 22 Mar 2019 18:18

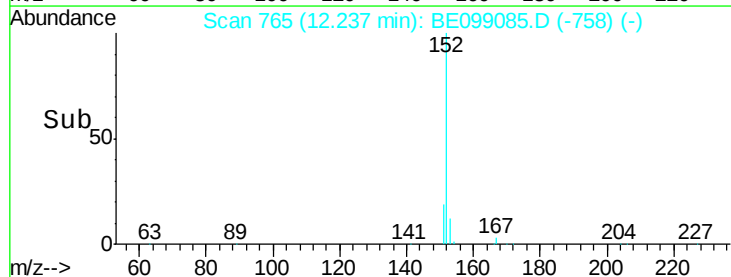
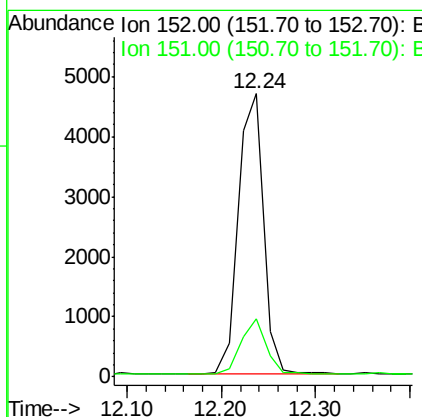
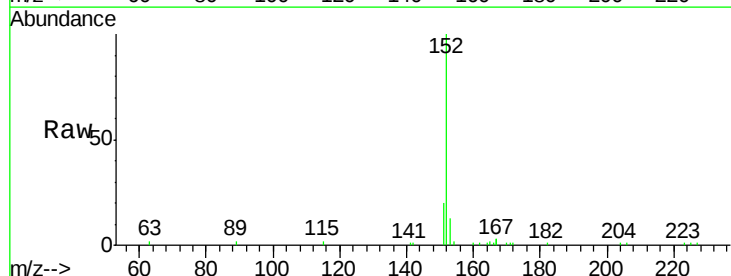
Instrument :
 BNA_E
 ClientSampleId :
 PST-025-B126-031319

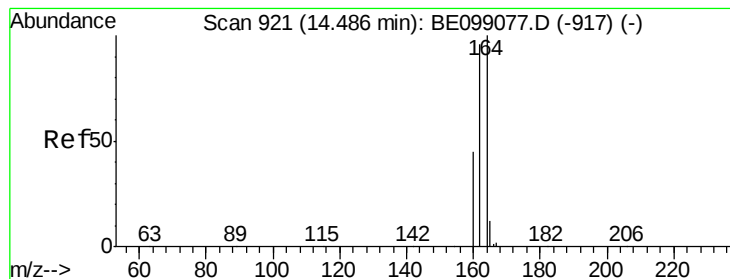
Tgt Ion: 82 Resp: 253
 Ion Ratio Lower Upper
 82 100
 128 143.0 123.8 185.8
 54 234.2 203.4 305.2



#11
 2-Methylnaphthalene-d10
 Concen: 0.361 ng
 RT: 12.24 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE099085.D
 Acq: 22 Mar 2019 18:18

Tgt Ion: 152 Resp: 8709
 Ion Ratio Lower Upper
 152 100
 151 19.9 16.5 24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

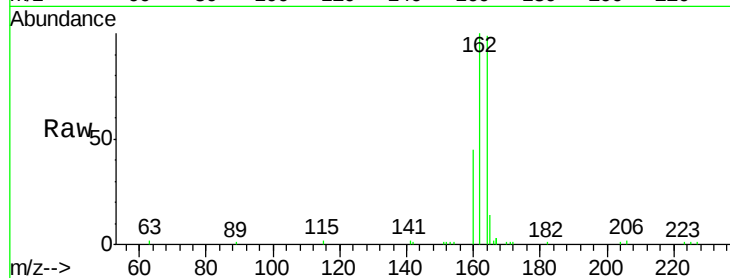
Tgt Ion:164 Resp: 8076

Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

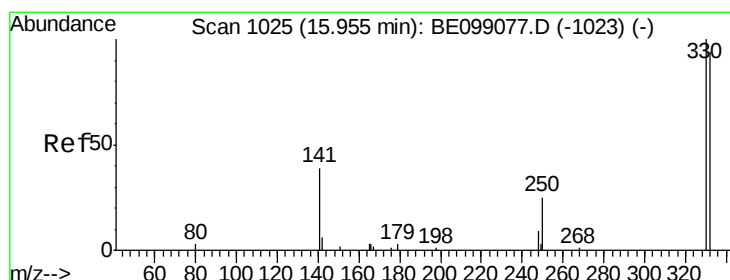
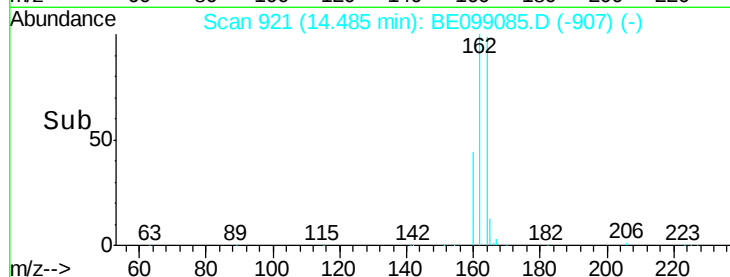
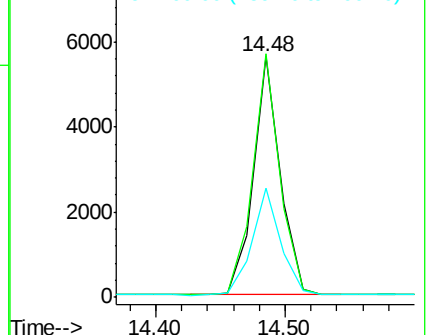
160 45.2 37.8 56.8



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: 0.406 ng

RT: 15.96 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

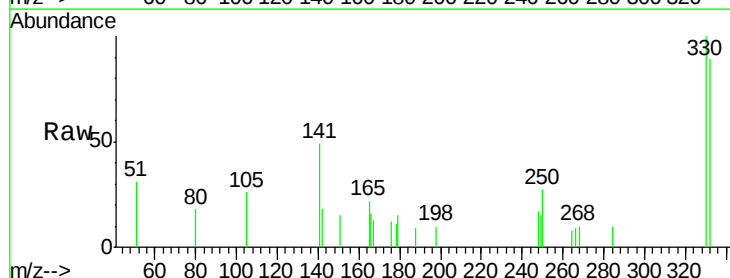
Tgt Ion:330 Resp: 964

Ion Ratio Lower Upper

330 100

332 93.5 77.6 116.4

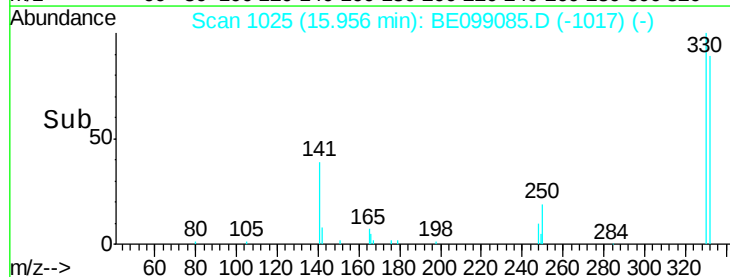
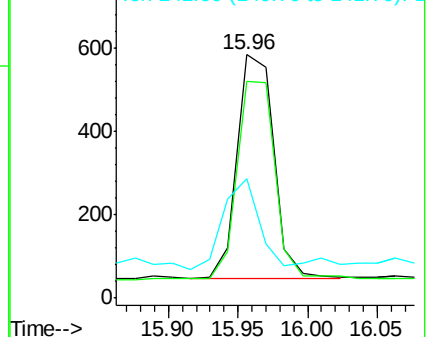
141 41.3 31.0 46.4

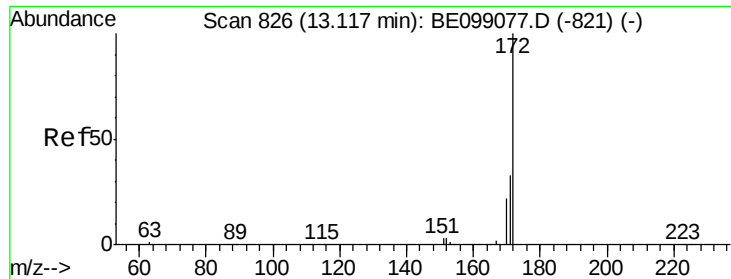


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

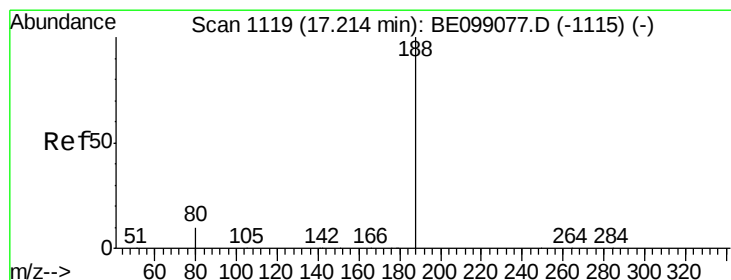
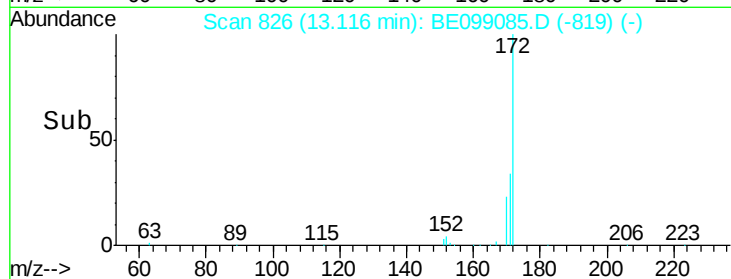
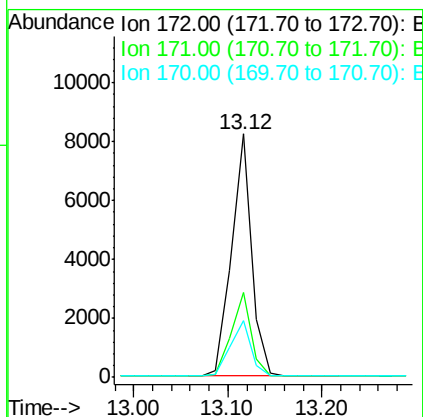
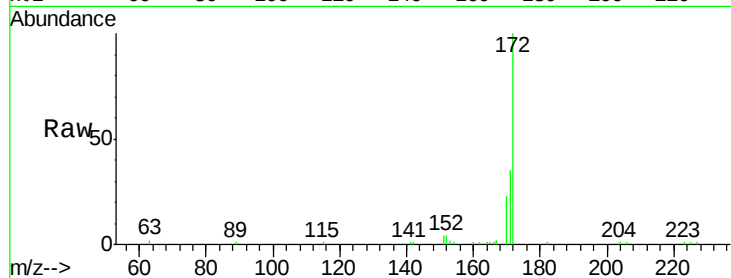




#15
2-Fluorobiphenyl
Concen: 0.377 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099085.D
Acq: 22 Mar 2019 18:18

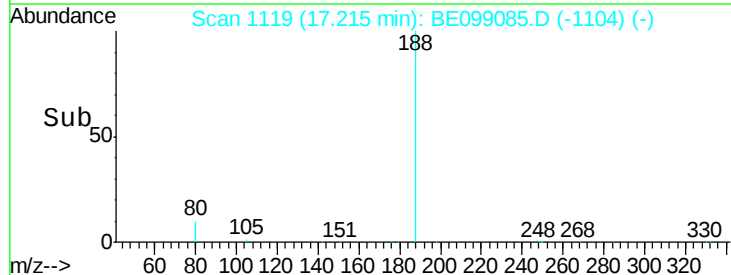
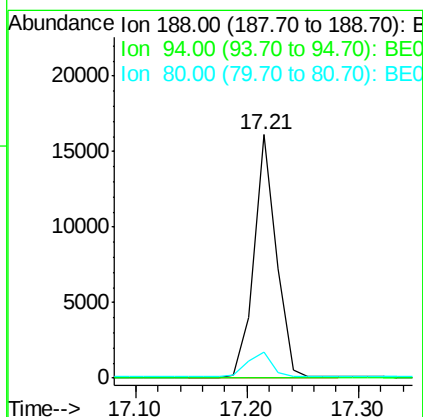
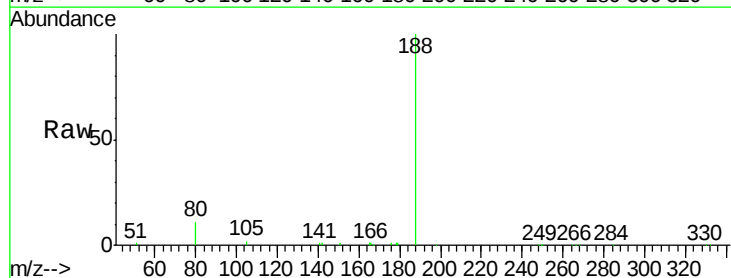
Instrument :
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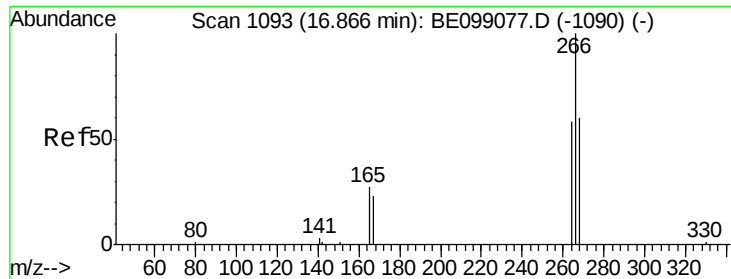
Tgt Ion:172 Resp: 12124
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.4 17.7 26.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099085.D
Acq: 22 Mar 2019 18:18

Tgt Ion:188 Resp: 22445
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 6.3 9.5#

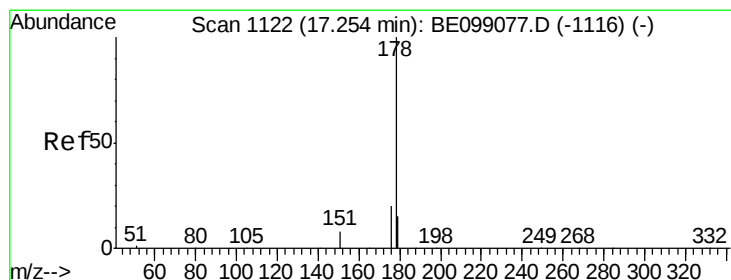
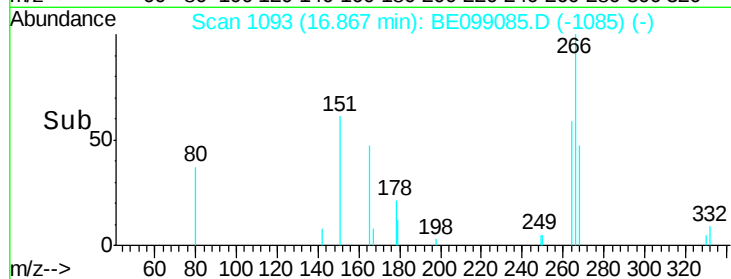
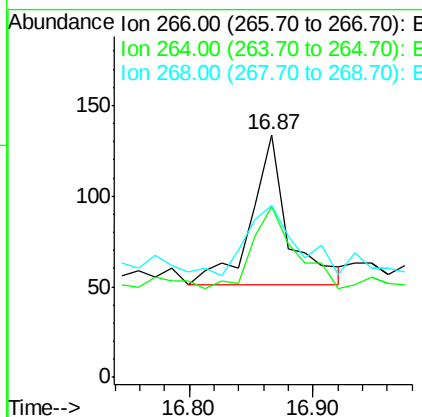
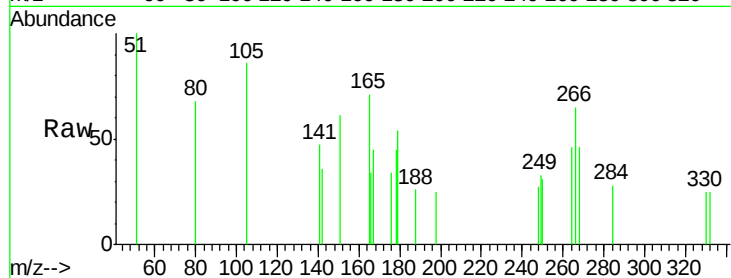




#22
 Pentachlorophenol
 Concen: 0.288 ng
 RT: 16.87 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: BE099085.D
 Acq: 22 Mar 2019 18:18

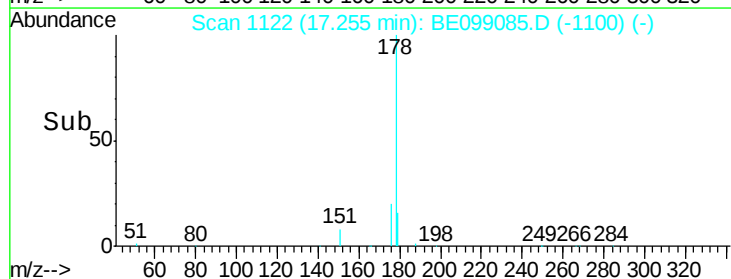
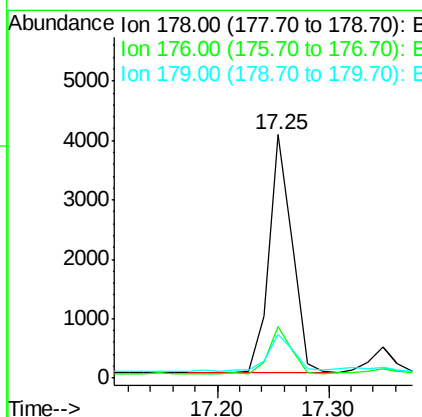
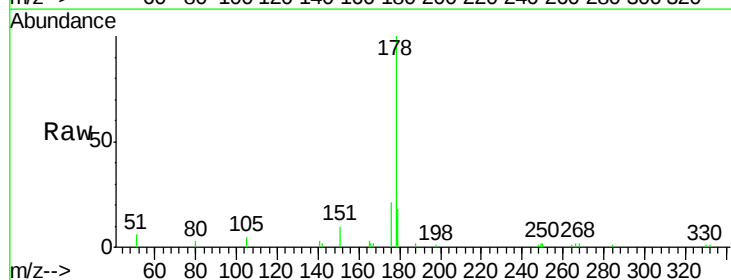
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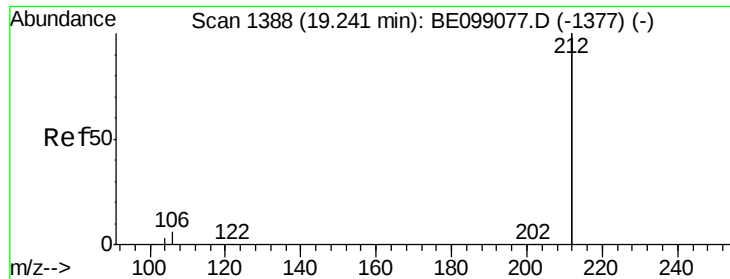
Tgt Ion: 266 Resp: 173
 Ion Ratio Lower Upper
 266 100
 264 70.1 66.6 100.0
 268 70.9 69.8 104.8



#23
 Phenanthrene
 Concen: 0.087 ng
 RT: 17.25 min Scan# 1122
 Delta R.T. 0.00 min
 Lab File: BE099085.D
 Acq: 22 Mar 2019 18:18

Tgt Ion: 178 Resp: 5809
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.0 24.0
 179 17.5 12.1 18.1





#25

Fluoranthene-d10

Concen: 0.343 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

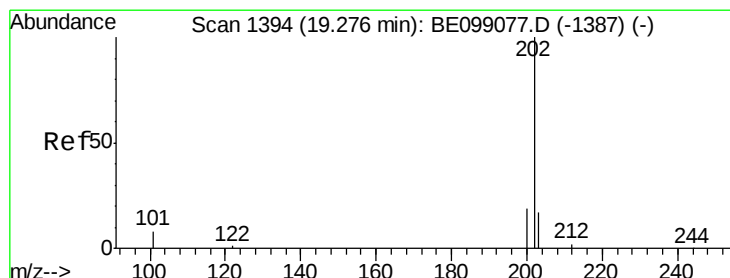
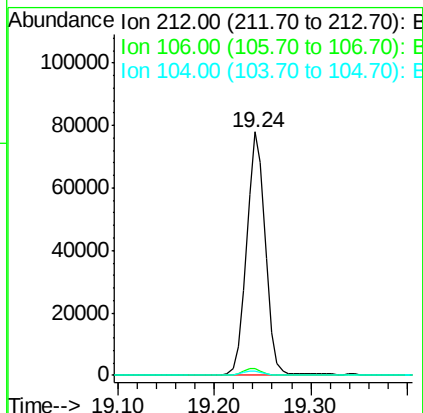
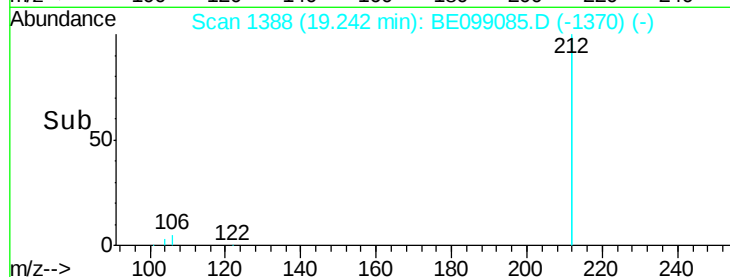
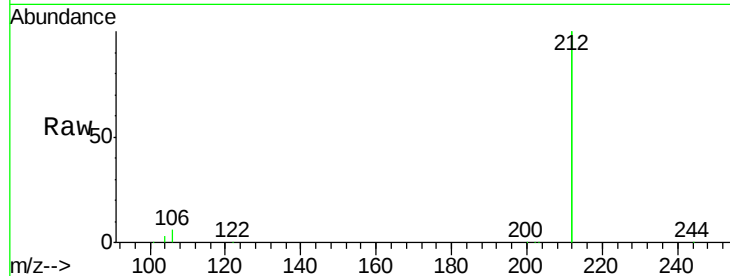
Tgt Ion:212 Resp: 102709

Ion Ratio Lower Upper

212 100

106 2.8 1.8 2.8

104 1.6 1.0 1.6#



#26

Fluoranthene

Concen: 0.107 ng

RT: 19.27 min Scan# 1393

Delta R.T. -0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

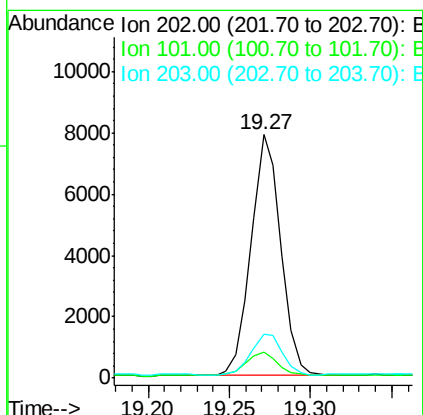
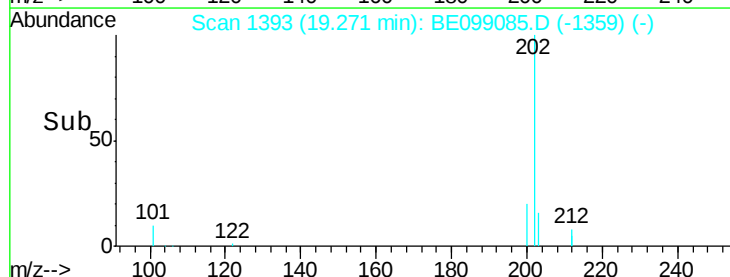
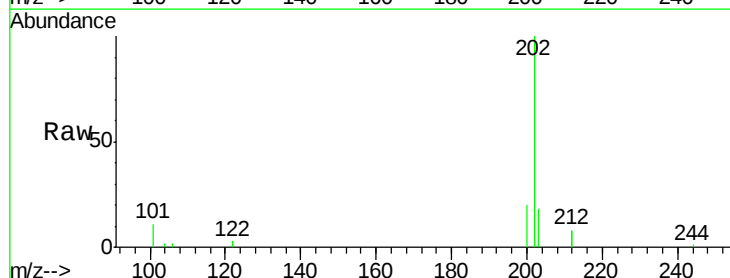
Tgt Ion:202 Resp: 9989

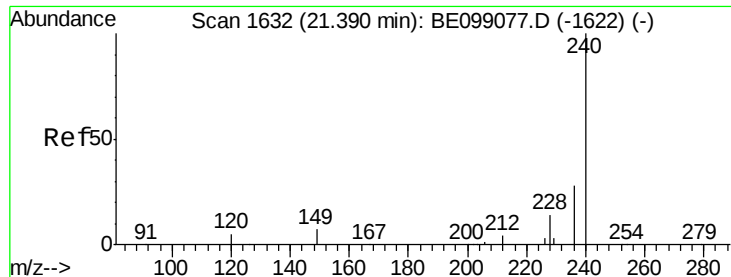
Ion Ratio Lower Upper

202 100

101 11.1 7.3 10.9#

203 17.5 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: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

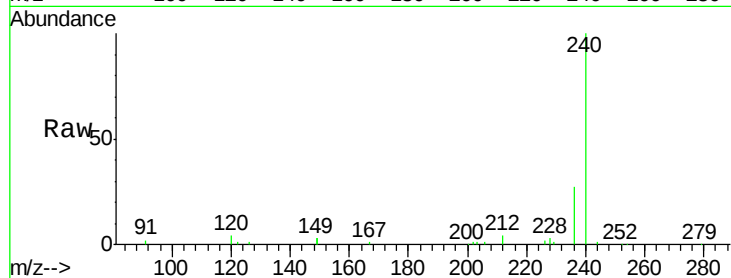
Tgt Ion:240 Resp: 32102

Ion Ratio Lower Upper

240 100

120 4.5 5.0 7.4#

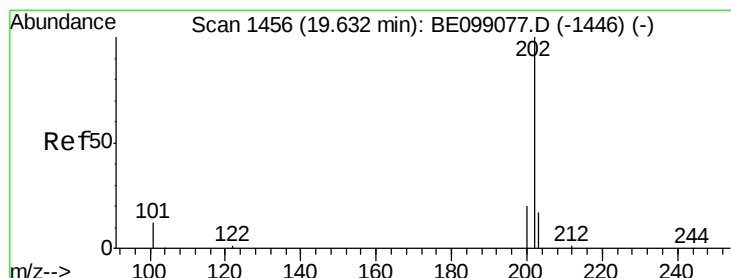
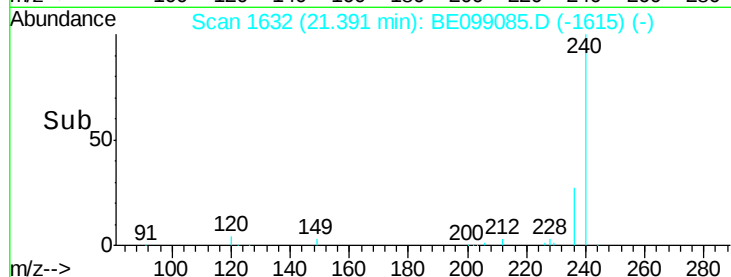
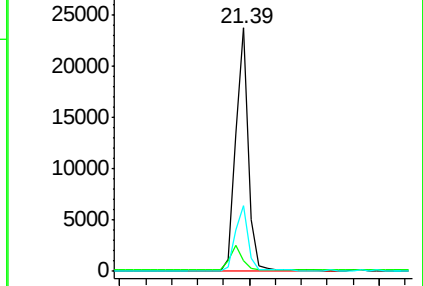
236 27.0 22.7 34.1



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: 0.091 ng

RT: 19.63 min Scan# 1456

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

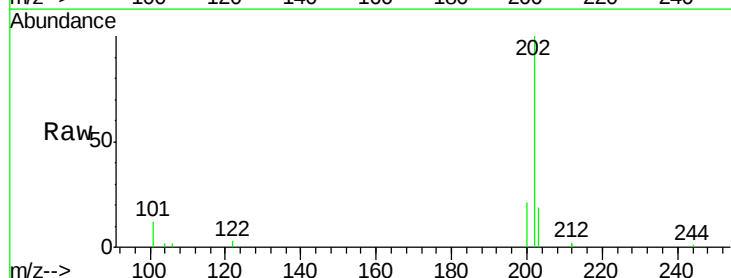
Tgt Ion:202 Resp: 9883

Ion Ratio Lower Upper

202 100

200 20.7 17.0 25.6

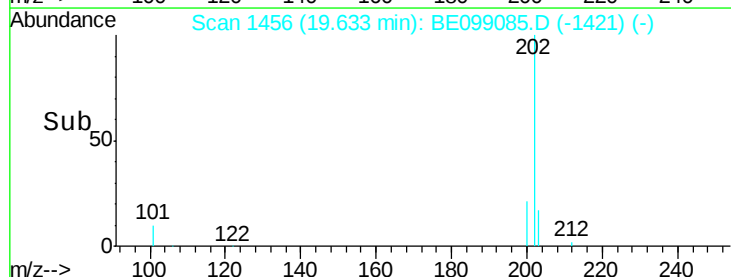
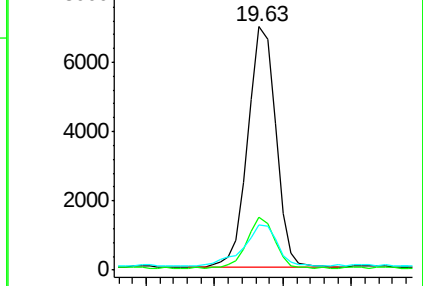
203 21.0 14.2 21.2

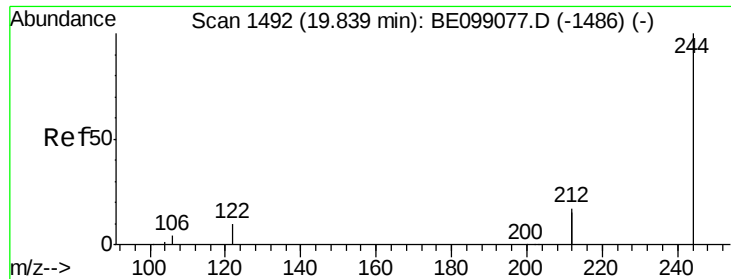


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.237 ng

RT: 19.84 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

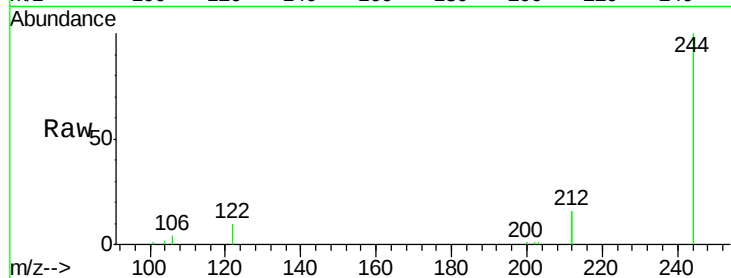
Tgt Ion:244 Resp: 16117

Ion Ratio Lower Upper

244 100

212 32.4 29.4 44.2

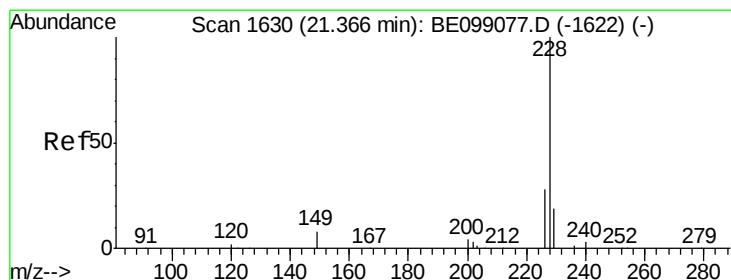
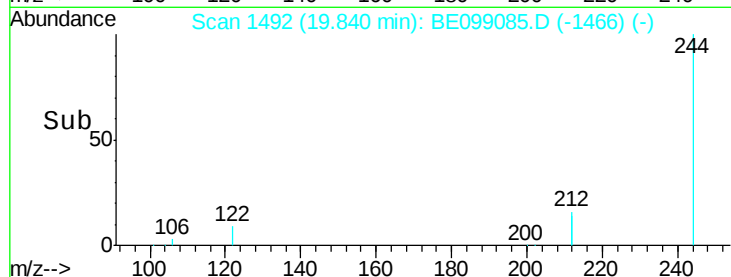
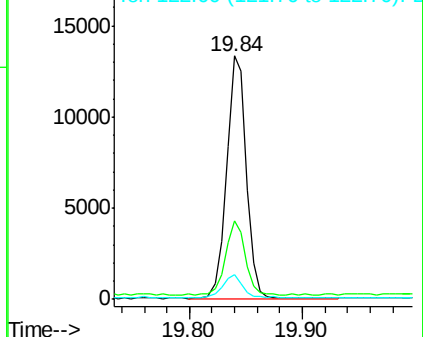
122 10.0 7.1 10.7



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: 0.050 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

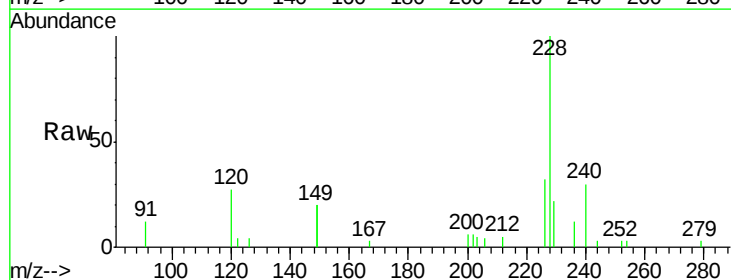
Tgt Ion:228 Resp: 5617

Ion Ratio Lower Upper

228 100

226 31.9 23.0 34.4

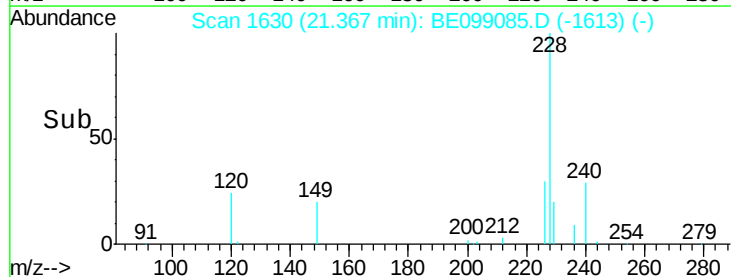
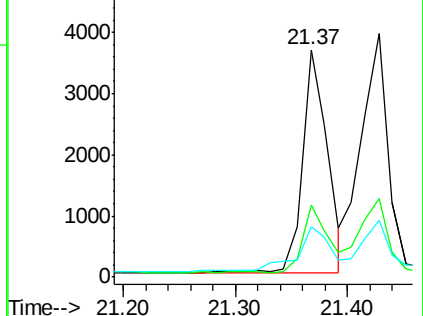
229 22.4 16.5 24.7

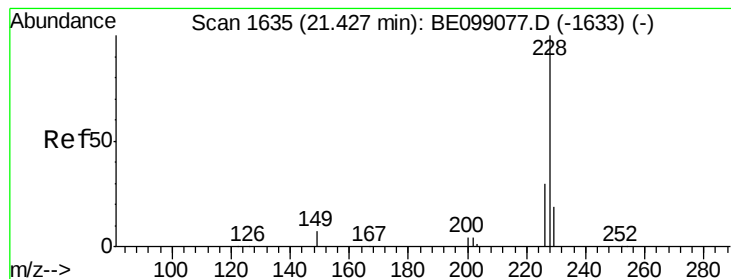


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.058 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

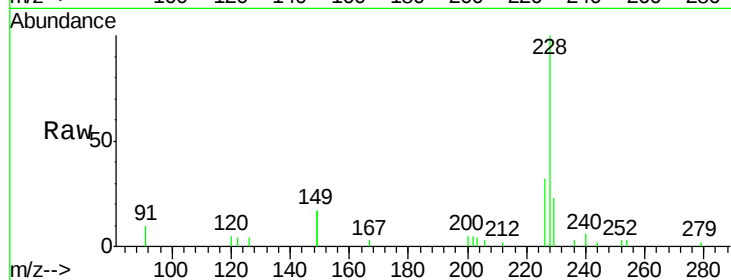
Tgt Ion:228 Resp: 6567

Ion Ratio Lower Upper

228 100

226 32.2 23.7 35.5

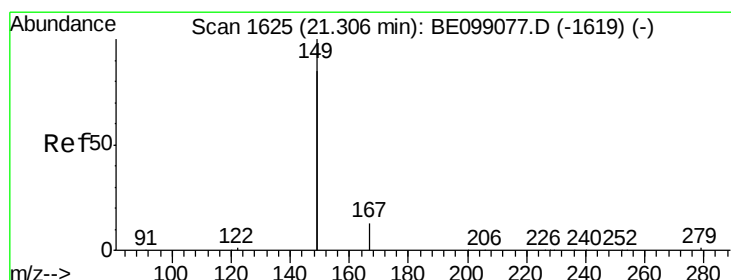
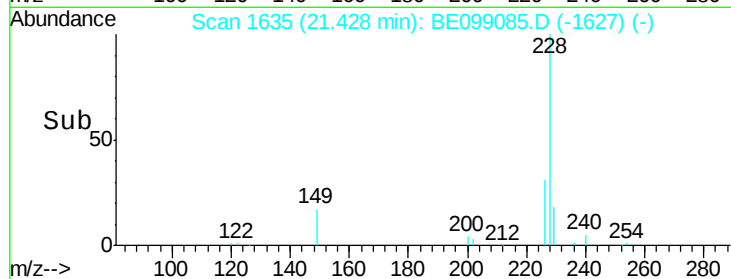
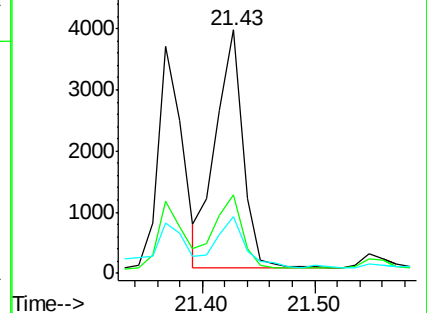
229 23.4 16.1 24.1



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: 0.144 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

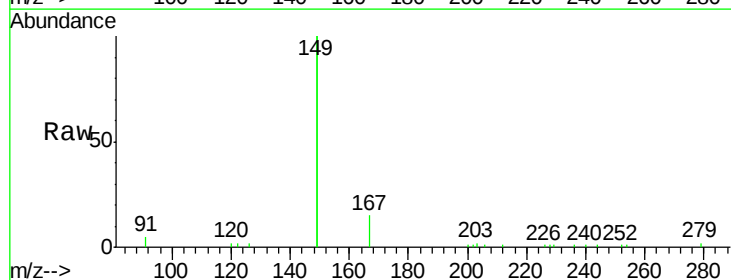
Tgt Ion:149 Resp: 21139

Ion Ratio Lower Upper

149 100

167 7.4 5.4 8.0

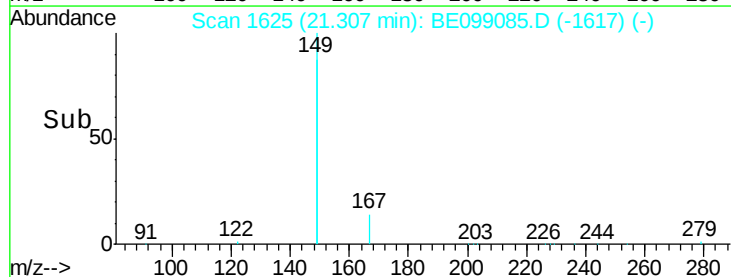
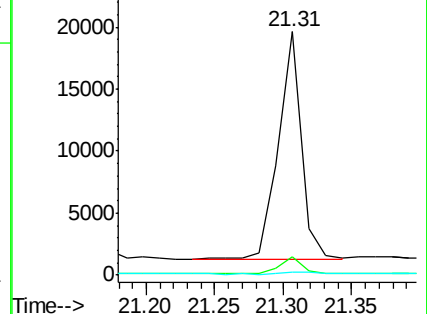
279 1.3 1.0 1.4

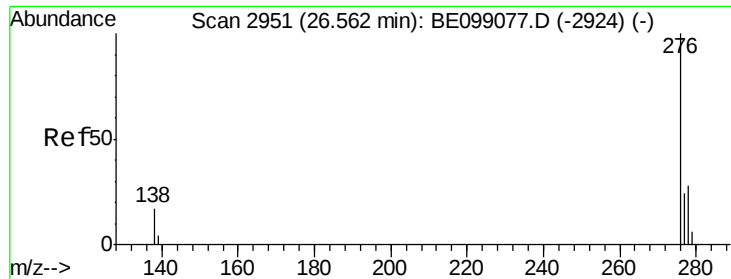


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.030 ng

RT: 26.56 min Scan# 2951

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

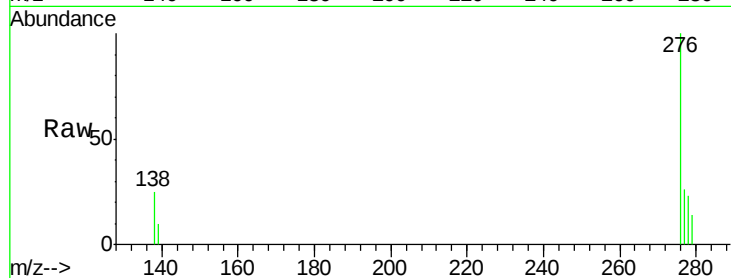
Tgt Ion:276 Resp: 3690

Ion Ratio Lower Upper

276 100

138 17.5 13.8 20.8

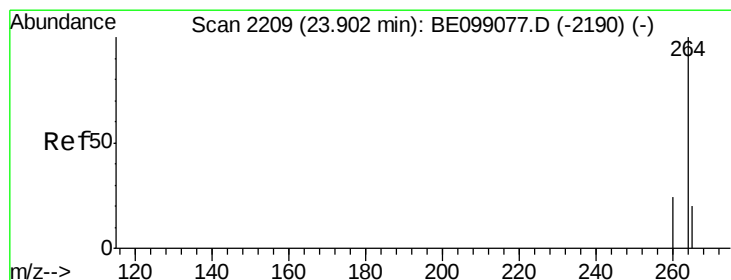
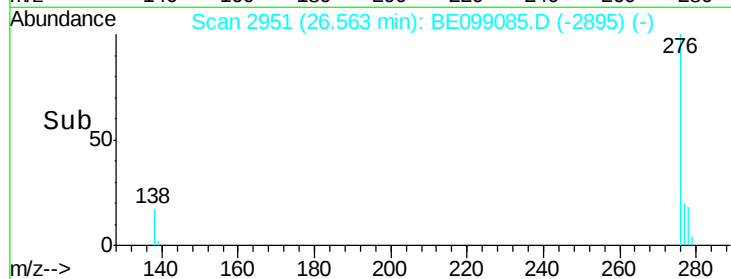
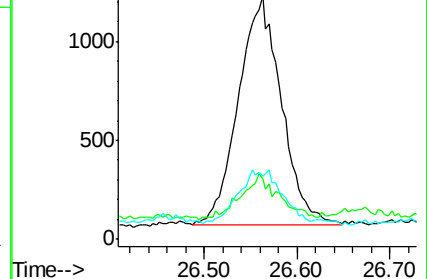
277 13.3 19.5 29.3#



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: BE099085.D

Acq: 22 Mar 2019 18:18

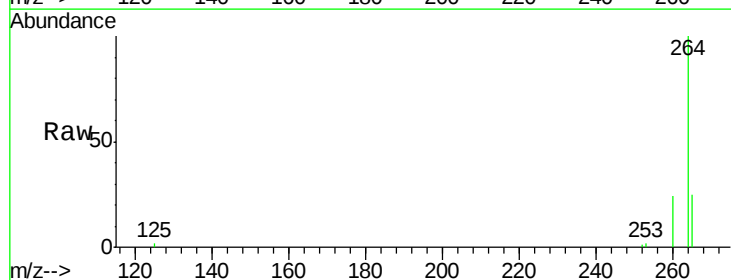
Tgt Ion:264 Resp: 37340

Ion Ratio Lower Upper

264 100

260 23.8 21.2 31.8

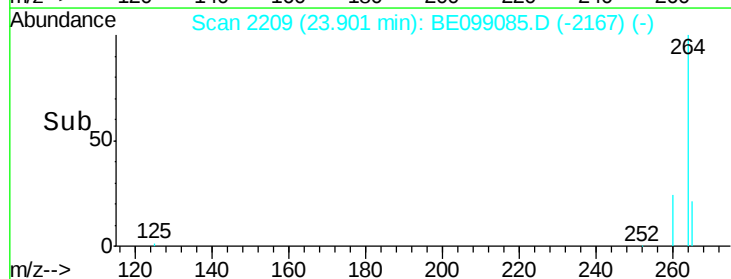
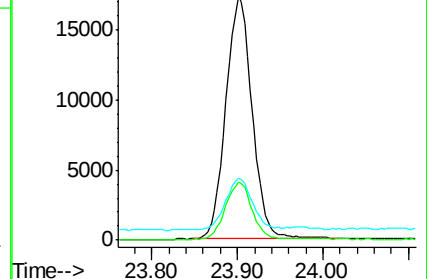
265 25.4 24.6 36.8

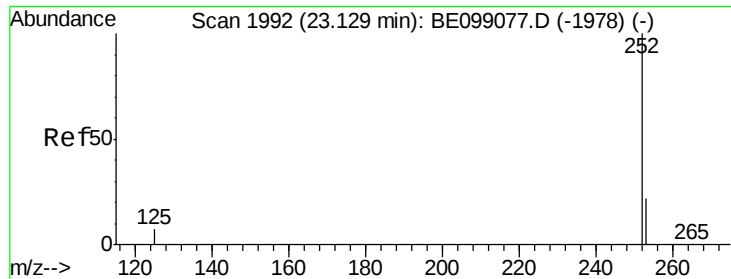


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.064 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

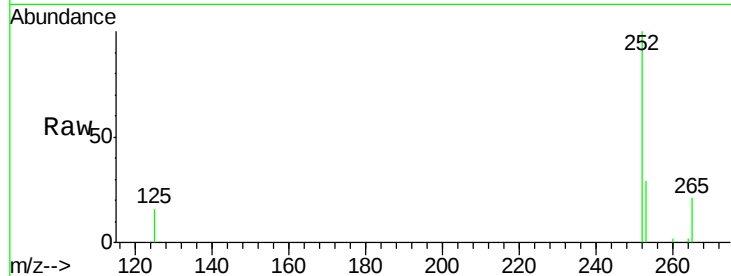
Tgt Ion:252 Resp: 8299

Ion Ratio Lower Upper

252 100

253 29.4 18.2 27.2#

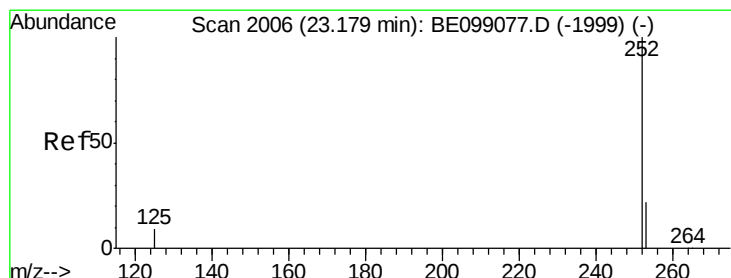
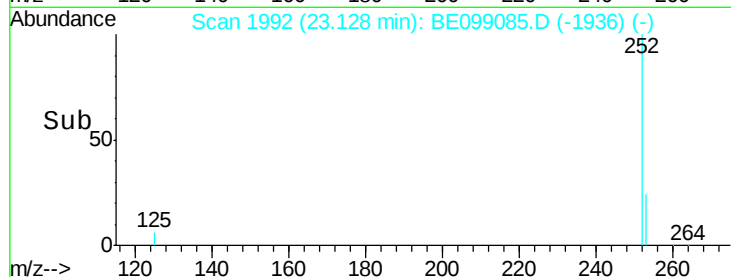
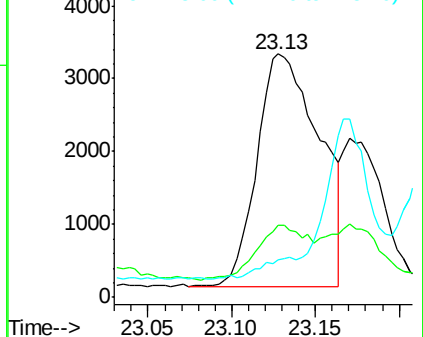
125 15.7 7.3 10.9#



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: 0.066 ng

RT: 23.13 min Scan# 1992

Delta R.T. -0.05 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

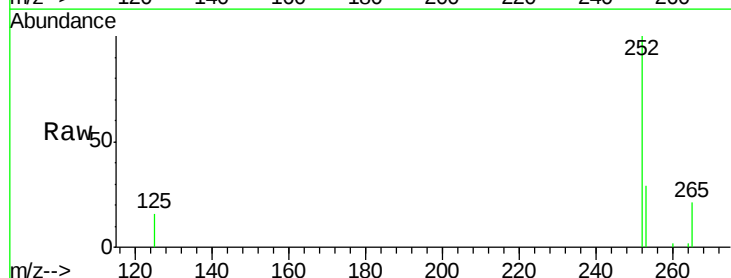
Tgt Ion:252 Resp: 8299

Ion Ratio Lower Upper

252 100

253 29.4 19.3 28.9#

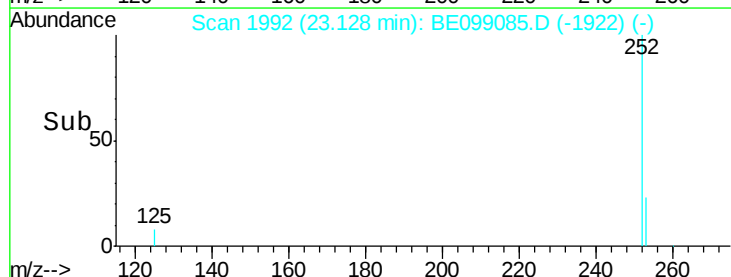
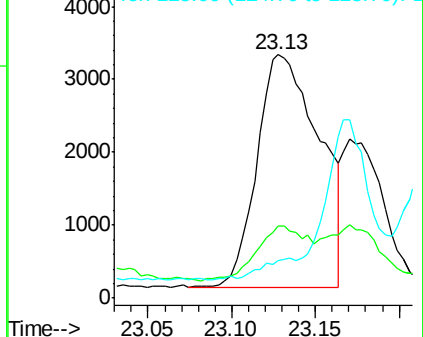
125 15.7 7.5 11.3#

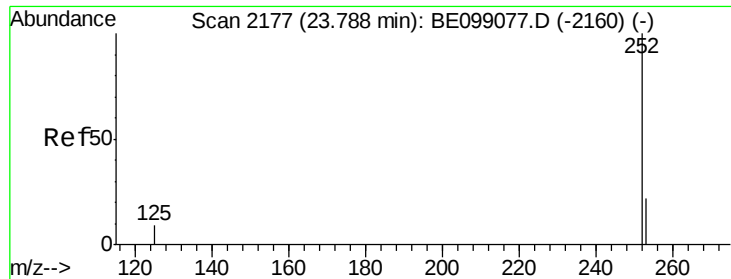


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.045 ng

RT: 23.79 min Scan# 2178

Delta R.T. 0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Instrument :

BNA_E

ClientSampleId :

PST-025-B126-031319

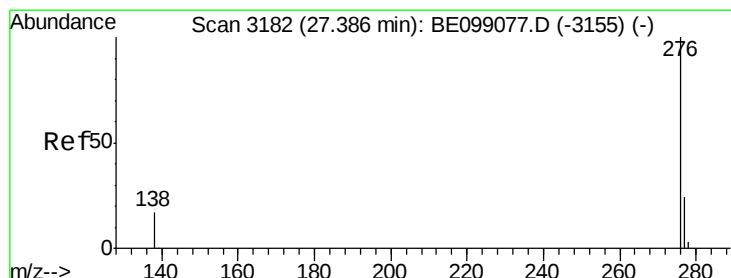
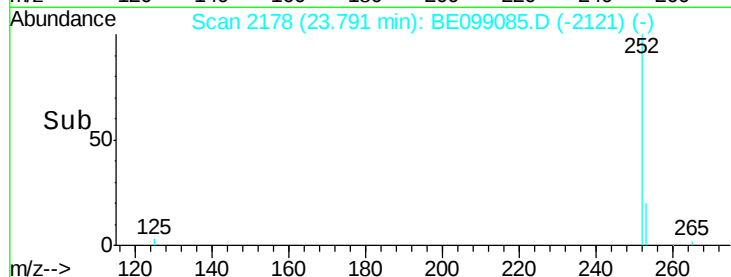
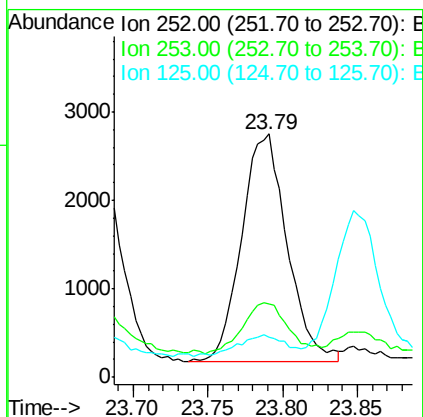
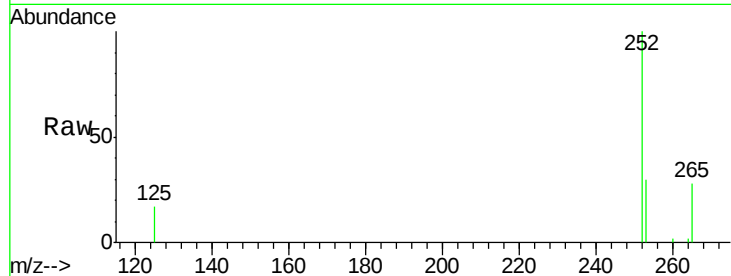
Tgt Ion:252 Resp: 5427

Ion Ratio Lower Upper

252 100

253 30.3 19.9 29.9#

125 16.6 9.0 13.4#



#39

Benzo(g,h,i)perylene

Concen: 0.032 ng

RT: 27.38 min Scan# 3181

Delta R.T. -0.00 min

Lab File: BE099085.D

Acq: 22 Mar 2019 18:18

Tgt Ion:276 Resp: 3815

Ion Ratio Lower Upper

276 100

277 27.4 20.4 30.6

138 25.5 13.6 20.4#

