

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
 Data File : BE099089.D
 Acq On : 22 Mar 2019 20:47
 Operator : JU/SJ
 Sample : K1948-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW02-031319

Quant Time: Mar 23 01:15:26 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	3322	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	12490	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	7990	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	22089	0.40	ng	0.00
27) Chrysene-d12	21.39	240	31949	0.40	ng	0.00
34) Perylene-d12	23.90	264	36536	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.42	112	4627	0.47	ng	0.00
5) Phenol-d6	7.00	99	6301	0.44	ng	0.00
8) Nitrobenzene-d5	9.16	82	291	0.05	ng	0.17
11) 2-Methylnaphthalene-d10	12.22	152	9178	0.41	ng	-0.02
14) 2,4,6-Tribromophenol	15.96	330	1296	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	13065	0.41	ng	0.00
25) Fluoranthene-d10	19.24	212	113916	0.39	ng	0.00
29) Terphenyl-d14	19.84	244	18576	0.27	ng	0.00

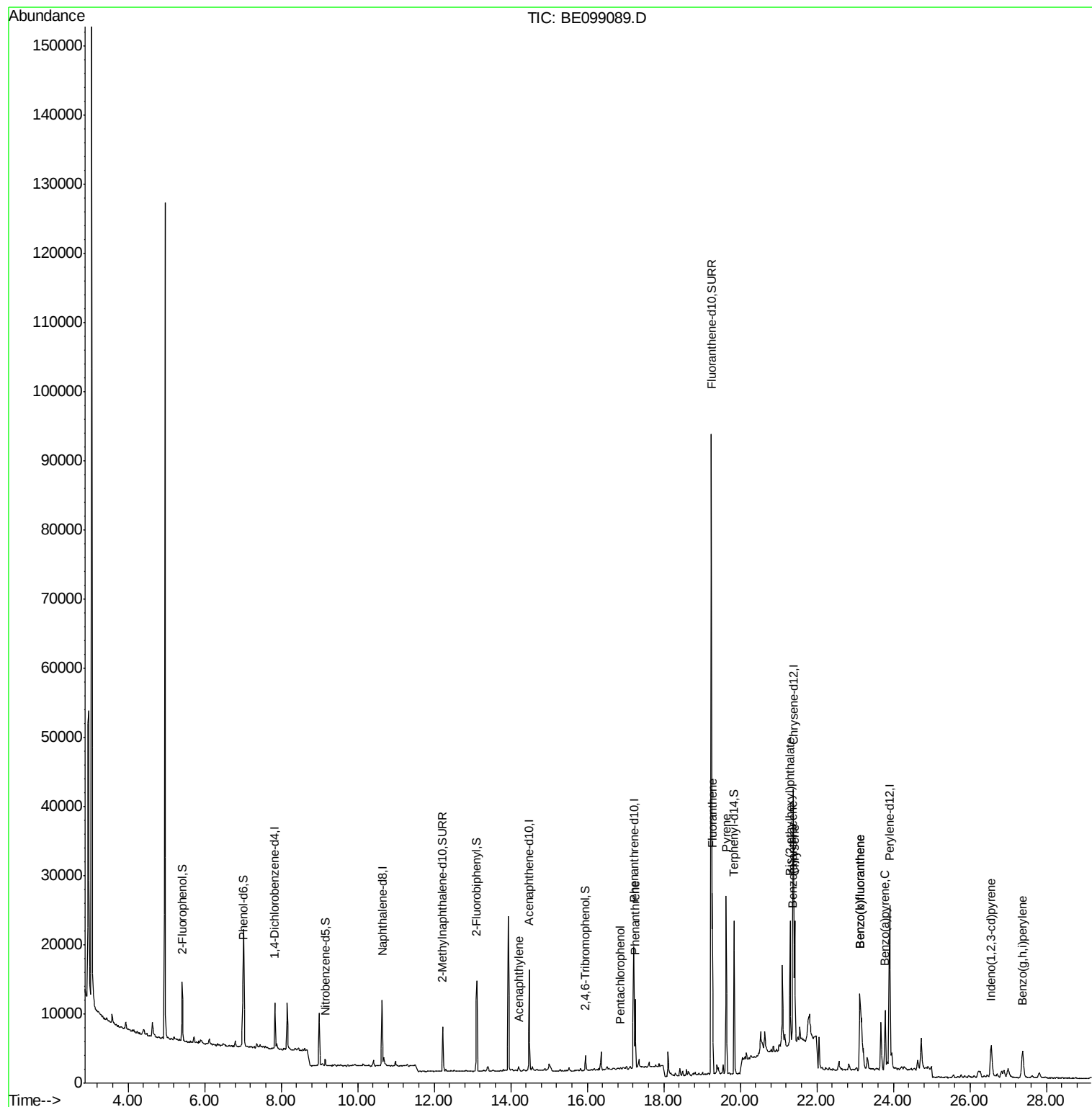
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.21	152	984	0.023	ng	98
22) Pentachlorophenol	16.85	266	32	0.258	ng	# 89
23) Phenanthrene	17.26	178	9662	0.147	ng	98
26) Fluoranthene	19.27	202	22876	0.248	ng	98
28) Pyrene	19.63	202	23058	0.213	ng	96
30) Benzo(a)anthracene	21.36	228	13318	0.118	ng	99
31) Chrysene	21.43	228	16610	0.148	ng	97
32) Bis(2-ethylhexyl)phthalate	21.30	149	20489	0.140	ng	99
33) Indeno(1,2,3-cd)pyrene	26.56	276	9587	0.079	ng	99
35) Benzo(b)fluoranthene	23.13	252	20416	0.162	ng	# 94
36) Benzo(k)fluoranthene	23.13	252	20416	0.165	ng	# 96
37) Benzo(a)pyrene	23.78	252	13457	0.115	ng	# 97
39) Benzo(g,h,i)perylene	27.38	276	9675	0.083	ng	97

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

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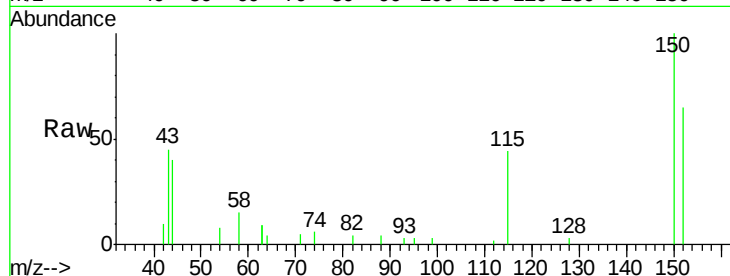


#1

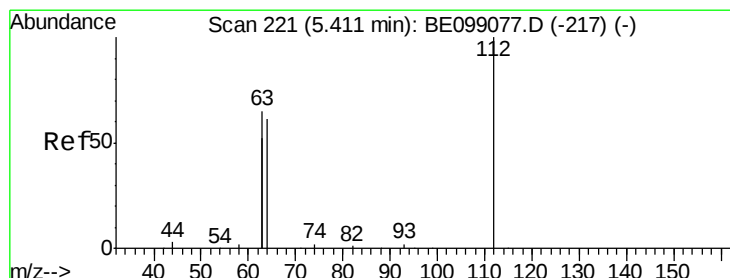
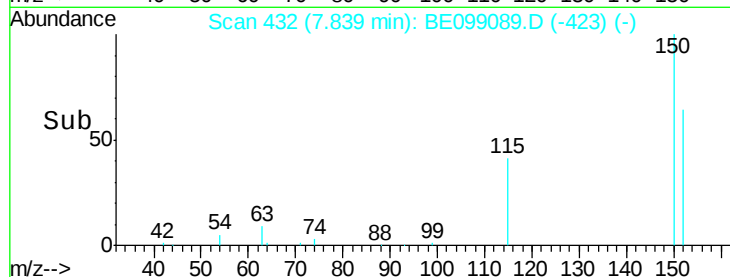
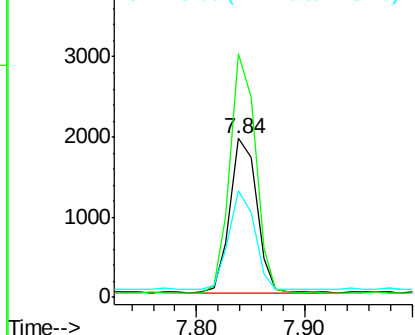
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099089.D
Acq: 22 Mar 2019 20:47

Instrument :
BNA_E
ClientSampleId :
INV-025-SW02-031319

Tgt Ion:152 Resp: 3322
Ion Ratio Lower Upper
152 100
150 153.5 122.5 183.7
115 67.4 57.4 86.2



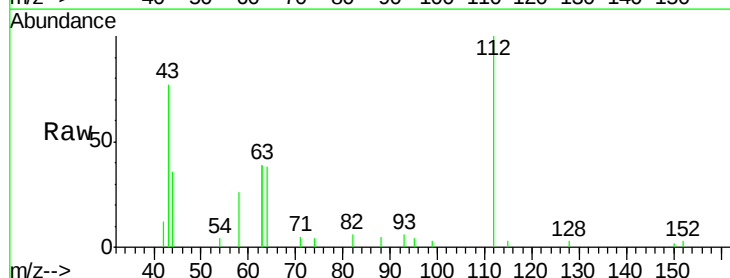
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



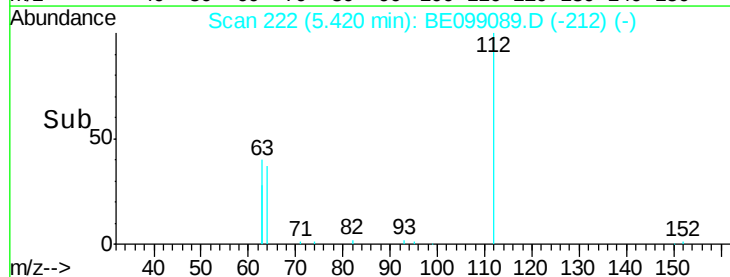
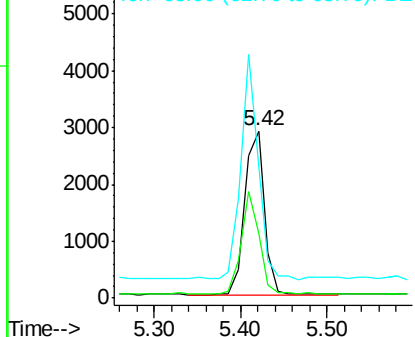
#4

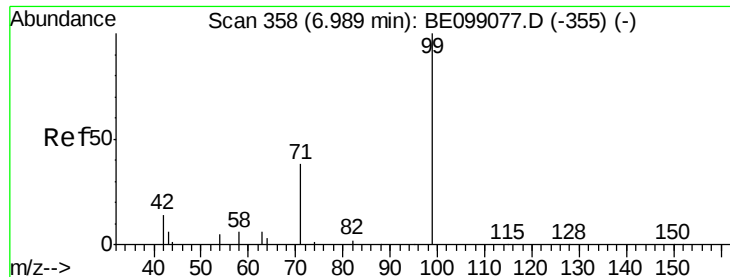
2-Fluorophenol
Concen: 0.468 ng
RT: 5.42 min Scan# 222
Delta R.T. 0.01 min
Lab File: BE099089.D
Acq: 22 Mar 2019 20:47

Tgt Ion:112 Resp: 4627
Ion Ratio Lower Upper
112 100
64 55.8 57.9 86.9#
63 119.6 158.3 237.5#



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: 0.442 ng

RT: 7.00 min Scan# 359

Delta R.T. 0.01 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Instrument :

BNA_E

ClientSampleId :

INV-025-SW02-031319

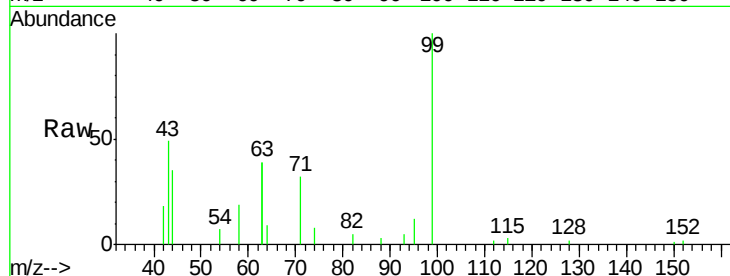
Tgt Ion: 99 Resp: 6301

Ion Ratio Lower Upper

99 100

42 28.4 24.2 36.2

71 37.3 35.7 53.5

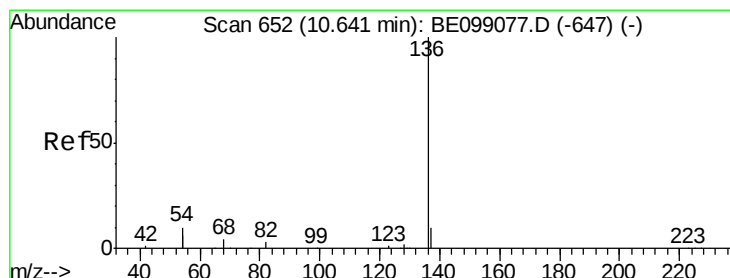
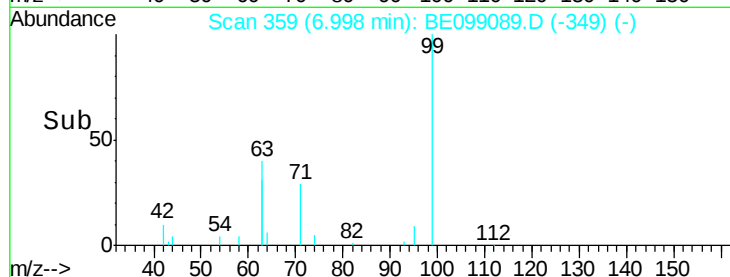


Abundance Ion 99.00 (98.70 to 99.70): BE099077.D (-355) (-)

Ion 42.00 (41.70 to 42.70): BE099077.D (-355) (-)

Ion 71.00 (70.70 to 71.70): BE099077.D (-355) (-)

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. -0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Tgt Ion: 136 Resp: 12490

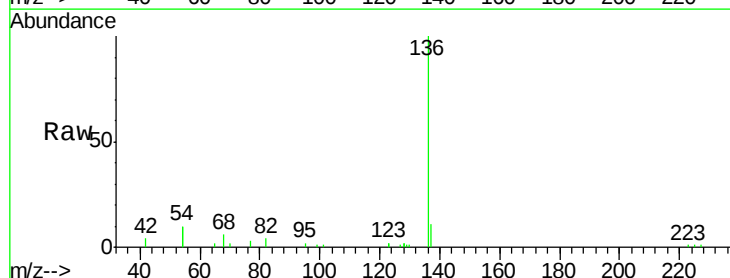
Ion Ratio Lower Upper

136 100

137 11.4 11.4 17.0#

54 20.8 39.3 58.9#

68 5.8 6.7 10.1#



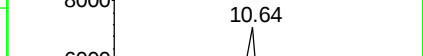
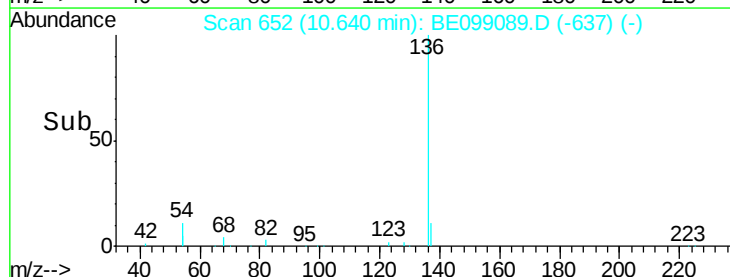
Abundance Ion 136.00 (135.70 to 136.70): BE099077.D (-647) (-)

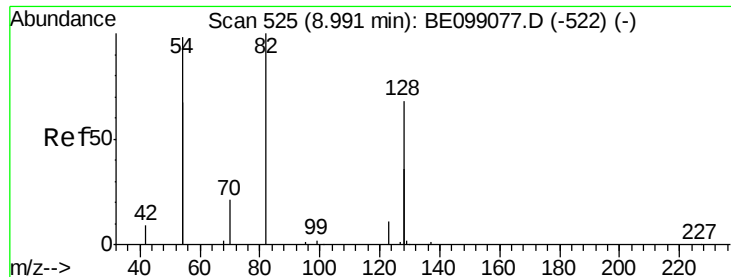
Ion 137.00 (136.70 to 137.70): BE099077.D (-647) (-)

Ion 54.00 (53.70 to 54.70): BE099077.D (-647) (-)

Ion 68.00 (67.70 to 68.70): BE099077.D (-647) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 0.053 ng

RT: 9.16 min Scan# 538

Delta R.T. 0.17 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Instrument :

BNA_E

ClientSampleId :

INV-025-SW02-031319

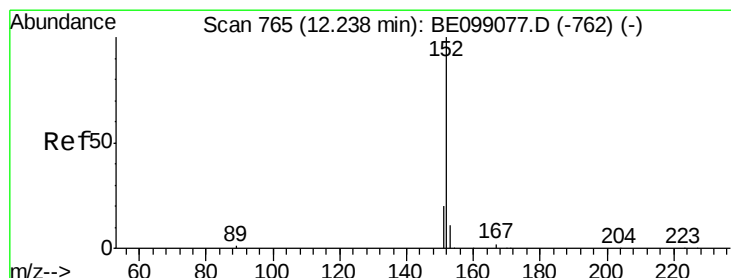
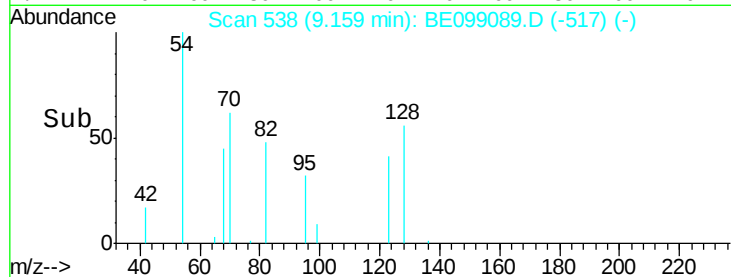
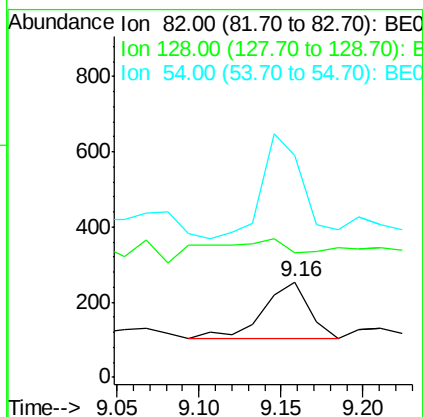
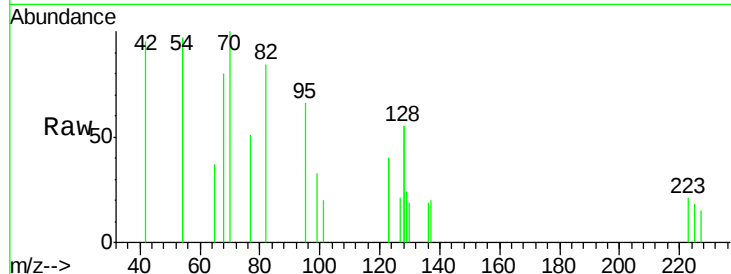
Tgt Ion: 82 Resp: 291

Ion Ratio Lower Upper

82 100

128 130.7 123.8 185.8

54 232.3 203.4 305.2



#11

2-Methylnaphthalene-d10

Concen: 0.408 ng

RT: 12.22 min Scan# 764

Delta R.T. -0.02 min

Lab File: BE099089.D

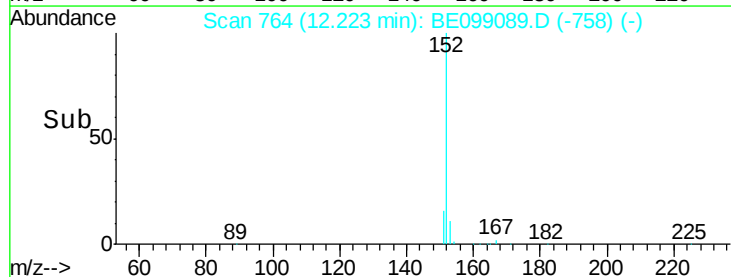
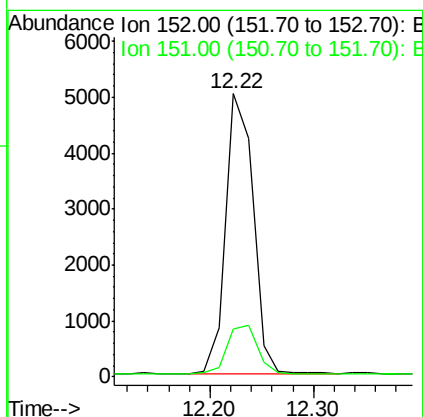
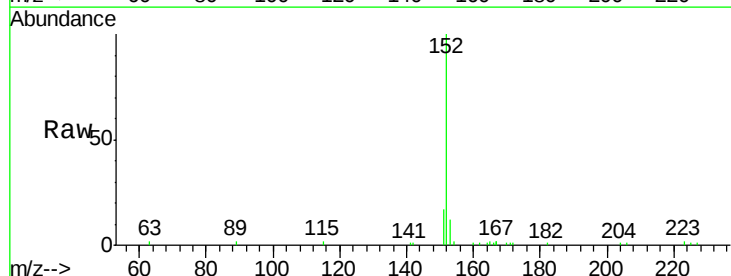
Acq: 22 Mar 2019 20:47

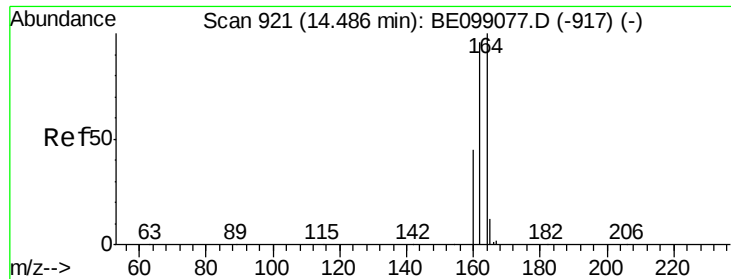
Tgt Ion: 152 Resp: 9178

Ion Ratio Lower Upper

152 100

151 19.4 16.5 24.7

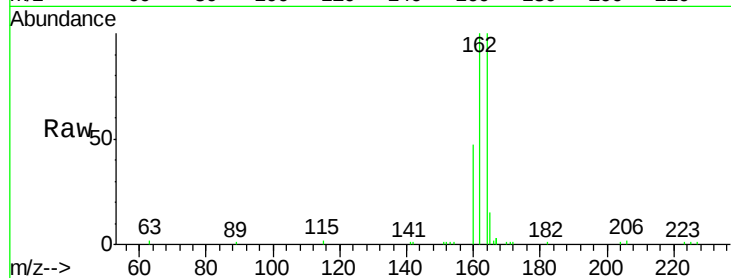




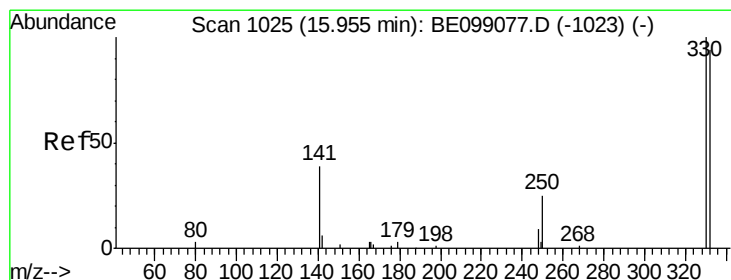
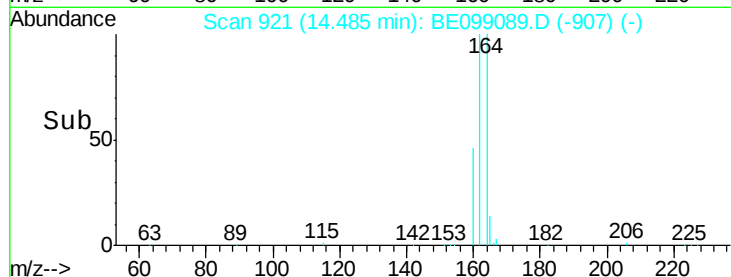
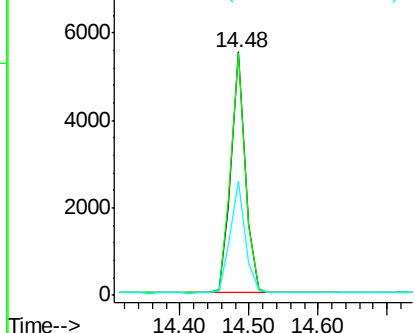
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099089.D
Acq: 22 Mar 2019 20:47

Instrument :
BNA_E
ClientSampleId :
INV-025-SW02-031319

Tgt Ion:164 Resp: 7990
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 47.0 37.8 56.8

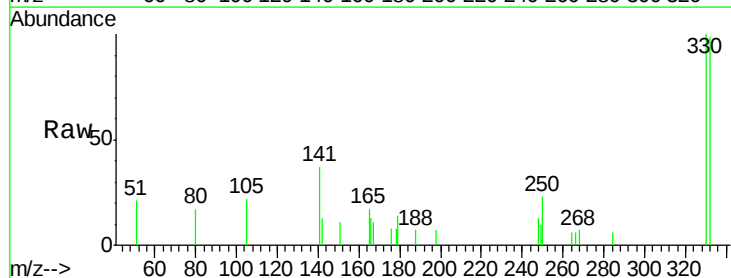


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

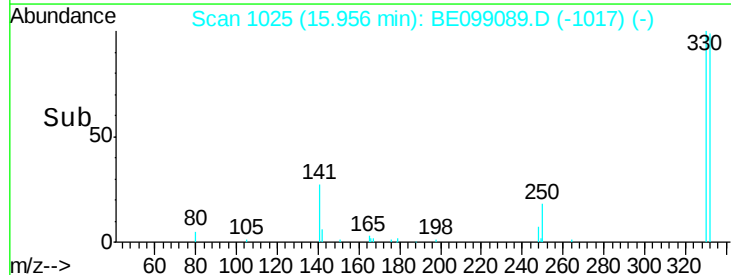
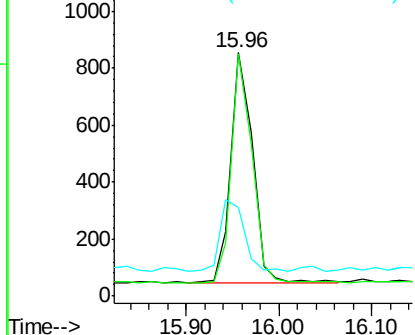


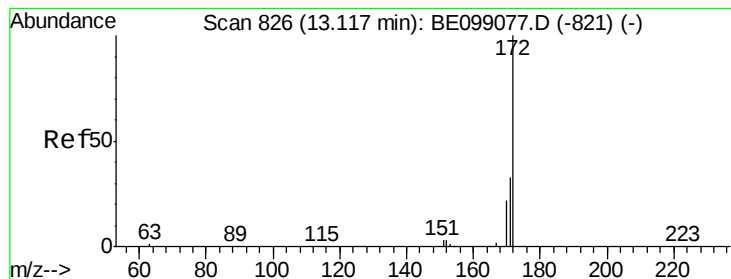
#14
2,4,6-Tribromophenol
Concen: 0.552 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099089.D
Acq: 22 Mar 2019 20:47

Tgt Ion:330 Resp: 1296
Ion Ratio Lower Upper
330 100
332 94.5 77.6 116.4
141 34.5 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: 0.411 ng

RT: 13.12 min Scan# 826

Delta R.T. -0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Instrument :

BNA_E

ClientSampleId :

INV-025-SW02-031319

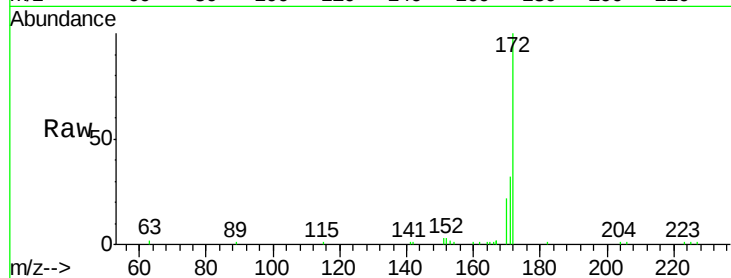
Tgt Ion:172 Resp: 13065

Ion Ratio Lower Upper

172 100

171 32.3 28.0 42.0

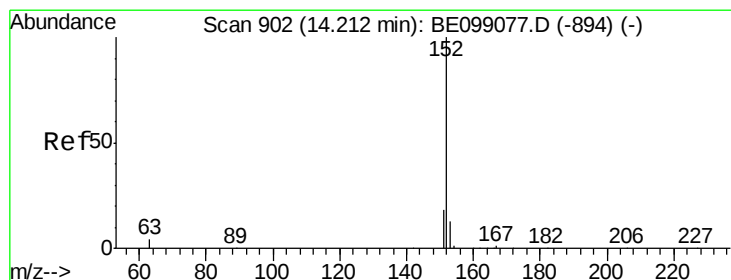
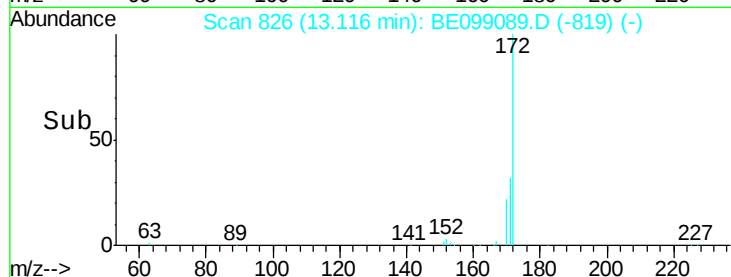
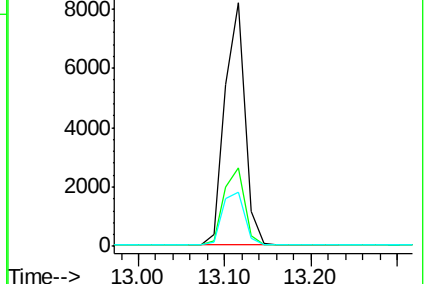
170 22.5 17.7 26.5



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



#16

Acenaphthylene

Concen: 0.023 ng

RT: 14.21 min Scan# 902

Delta R.T. -0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

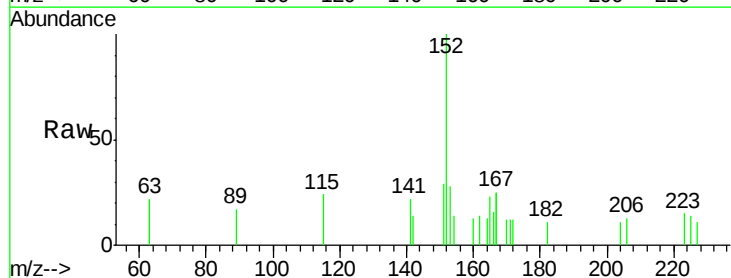
Tgt Ion:152 Resp: 984

Ion Ratio Lower Upper

152 100

151 21.1 17.0 25.6

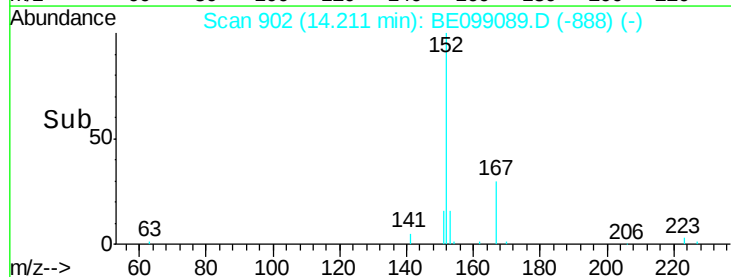
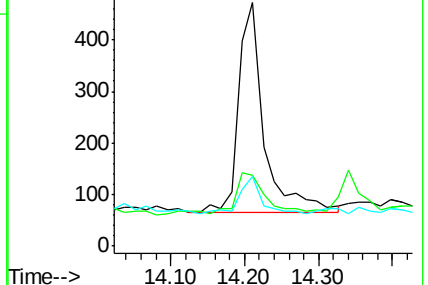
153 15.9 11.2 16.8

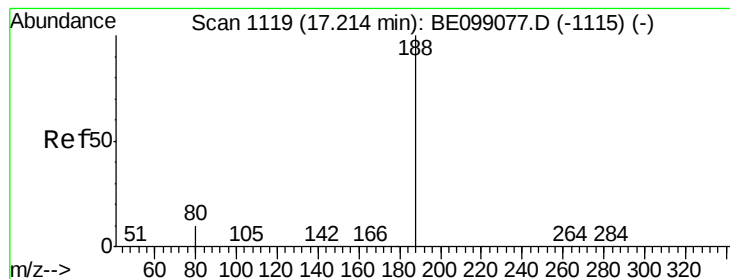


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. 0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Instrument :

BNA_E

ClientSampleId :

INV-025-SW02-031319

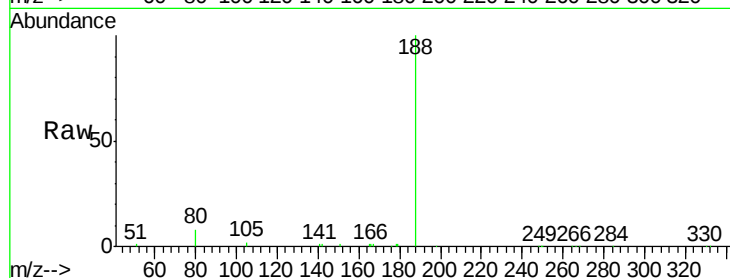
Tgt Ion:188 Resp: 22089

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

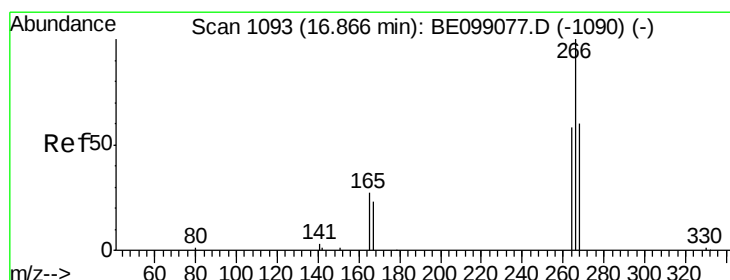
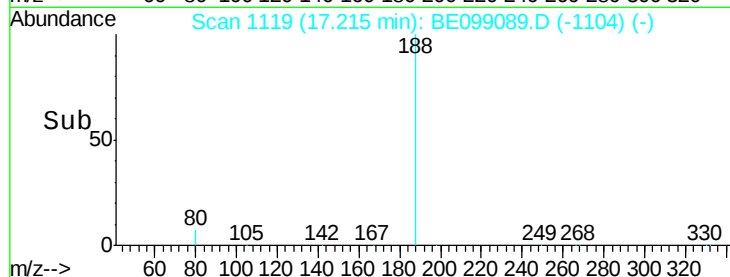
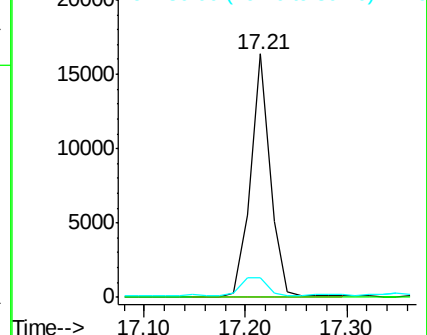
80 8.0 6.3 9.5



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: 16.85 min Scan# 1092

Delta R.T. -0.01 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

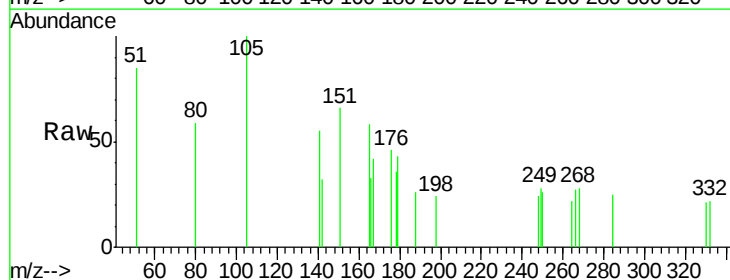
Tgt Ion:266 Resp: 32

Ion Ratio Lower Upper

266 100

264 81.0 66.6 100.0

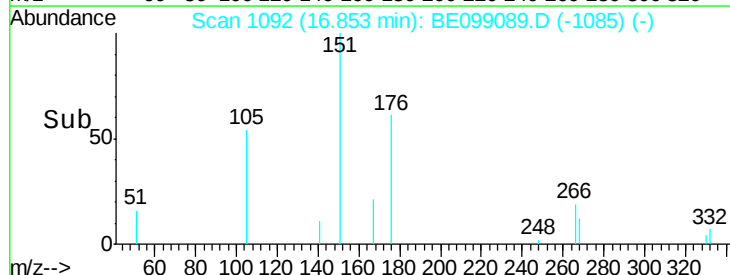
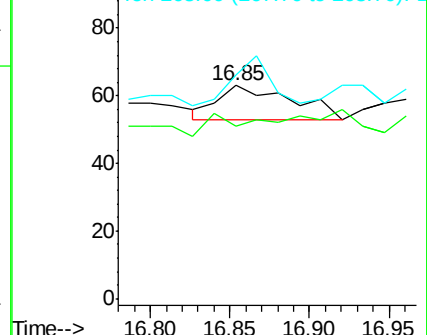
268 104.8 69.8 104.8#

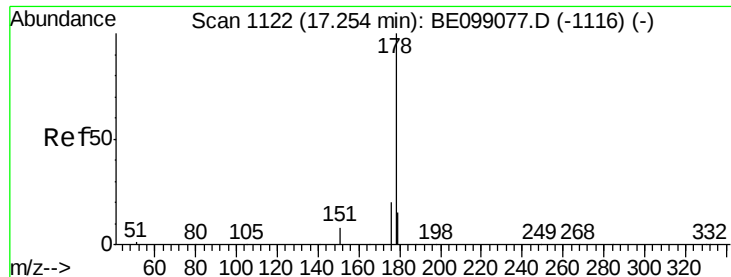


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.147 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Instrument :

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INV-025-SW02-031319

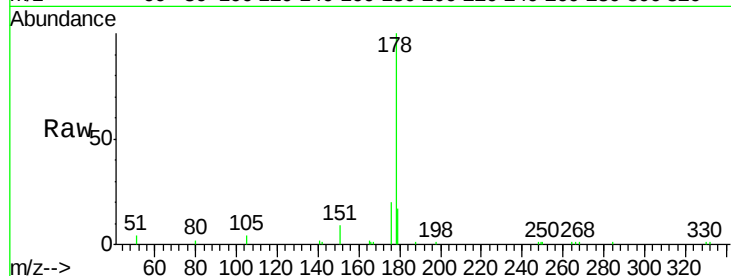
Tgt Ion:178 Resp: 9662

Ion Ratio Lower Upper

178 100

176 19.3 16.0 24.0

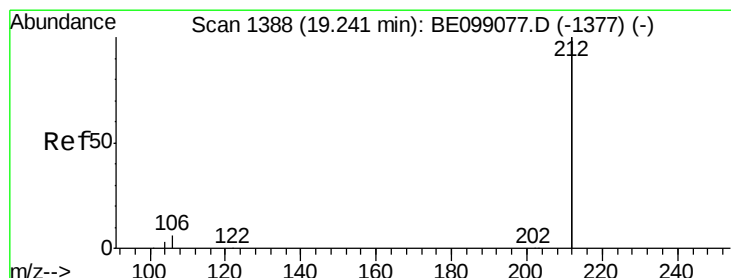
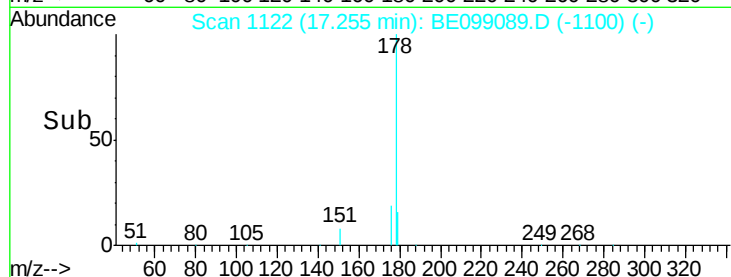
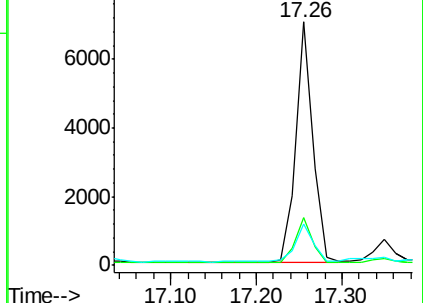
179 16.4 12.1 18.1



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: 0.387 ng

RT: 19.24 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

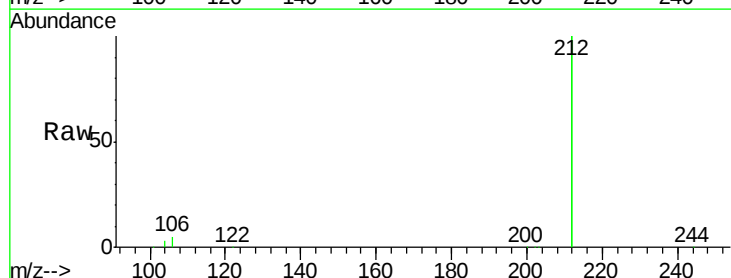
Tgt Ion:212 Resp: 113916

Ion Ratio Lower Upper

212 100

106 2.7 1.8 2.8

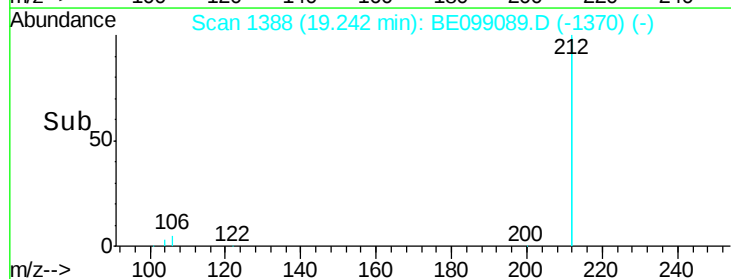
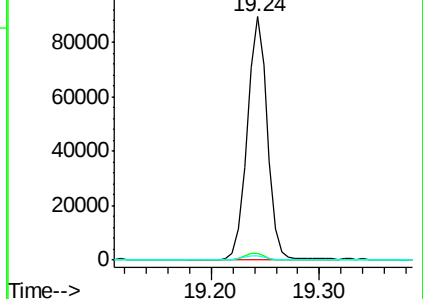
104 1.6 1.0 1.6#

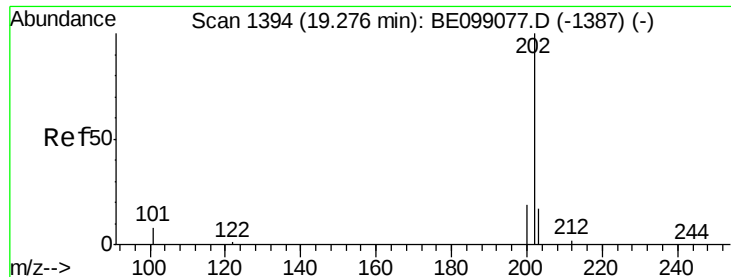


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

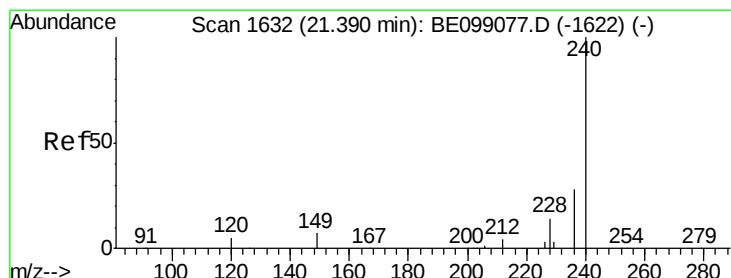
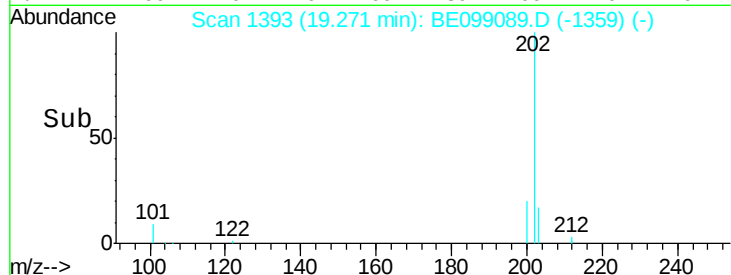
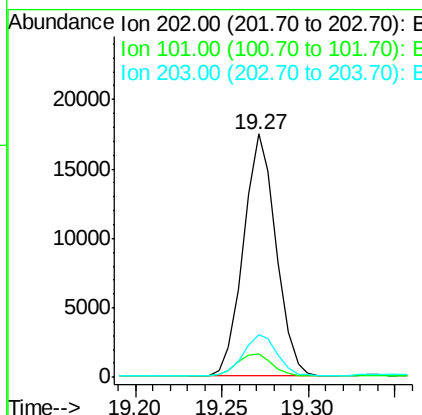
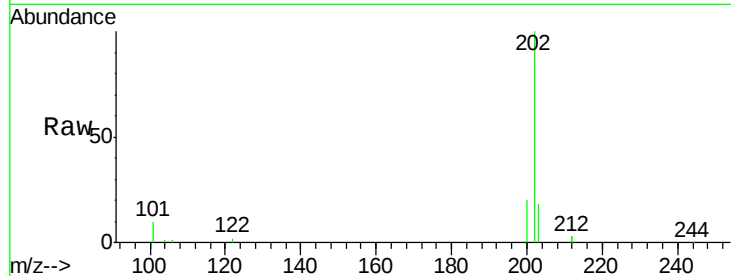




#26
 Fluoranthene
 Concen: 0.248 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

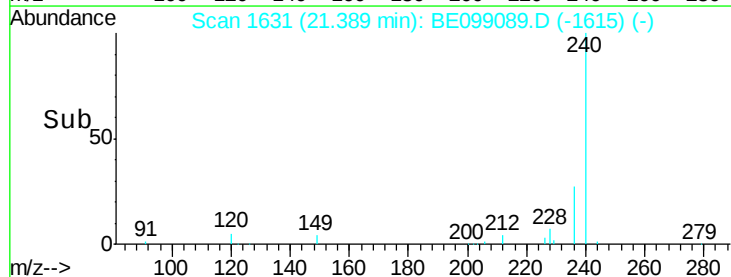
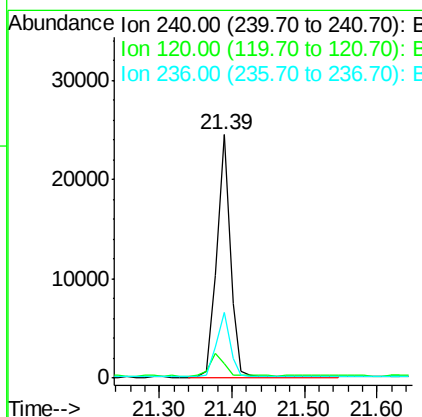
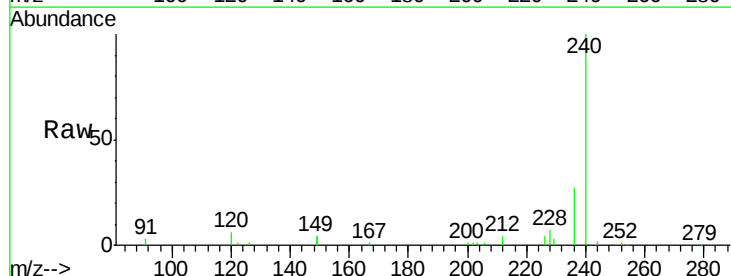
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW02-031319

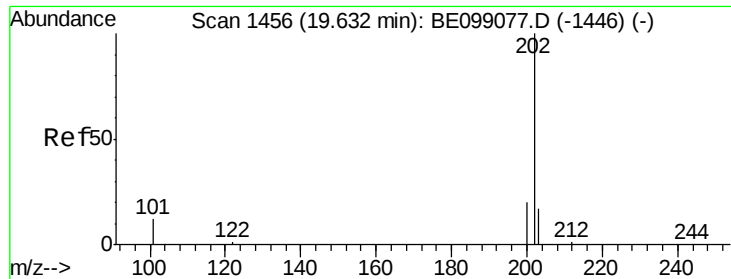
Tgt Ion: 202 Resp: 22876
 Ion Ratio Lower Upper
 202 100
 101 10.3 7.3 10.9
 203 17.0 13.4 20.2



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.39 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

Tgt Ion: 240 Resp: 31949
 Ion Ratio Lower Upper
 240 100
 120 5.7 5.0 7.4
 236 26.9 22.7 34.1

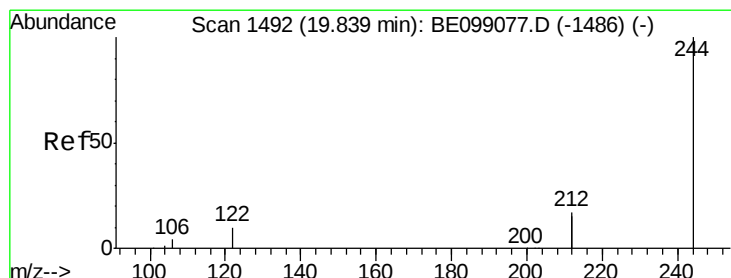
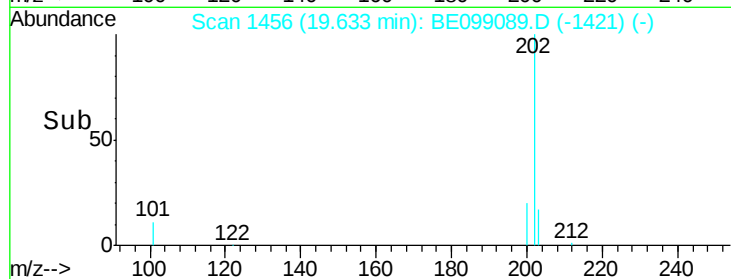
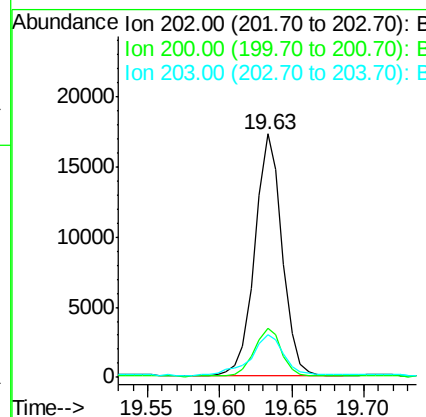
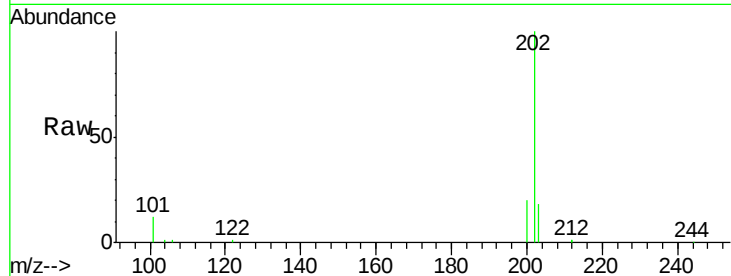




#28
 Pyrene
 Concen: 0.213 ng
 RT: 19.63 min Scan# 1456
 Delta R.T. 0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

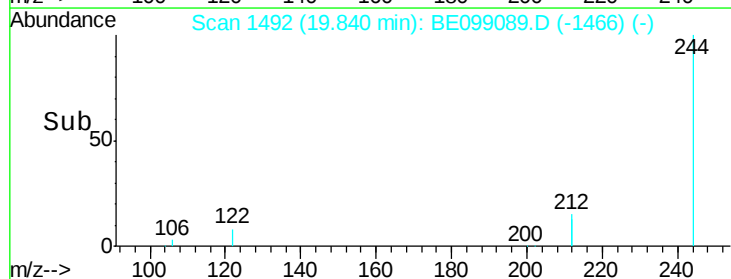
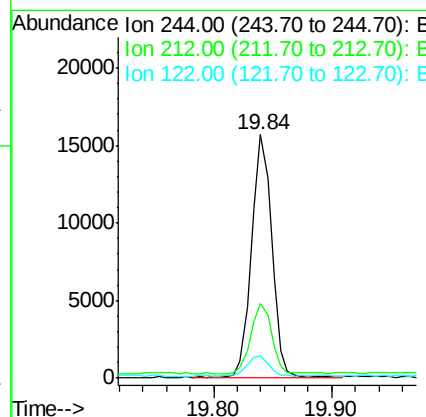
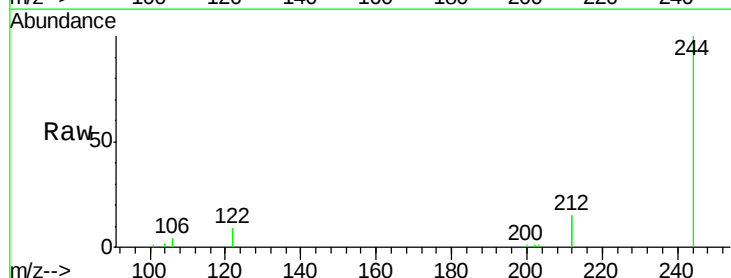
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW02-031319

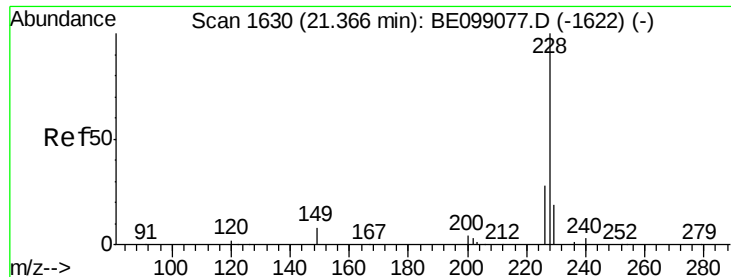
Tgt Ion: 202 Resp: 23058
 Ion Ratio Lower Upper
 202 100
 200 20.3 17.0 25.6
 203 20.4 14.2 21.2



#29
 Terphenyl-d14
 Concen: 0.275 ng
 RT: 19.84 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

Tgt Ion: 244 Resp: 18576
 Ion Ratio Lower Upper
 244 100
 212 30.6 29.4 44.2
 122 9.2 7.1 10.7





#30

Benzo(a)anthracene

Concen: 0.118 ng

RT: 21.36 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

Instrument :

BNA_E

ClientSampleId :

INV-025-SW02-031319

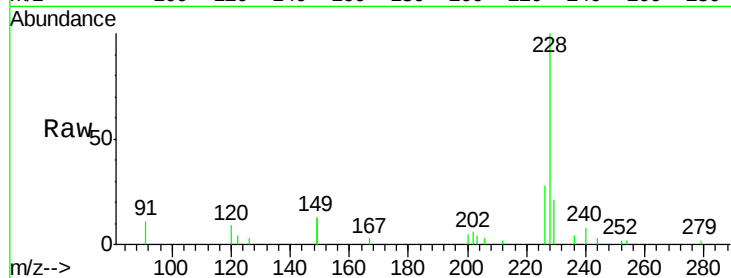
Tgt Ion:228 Resp: 13318

Ion Ratio Lower Upper

228 100

226 28.3 23.0 34.4

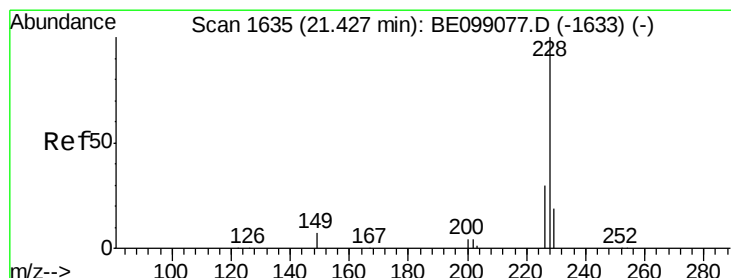
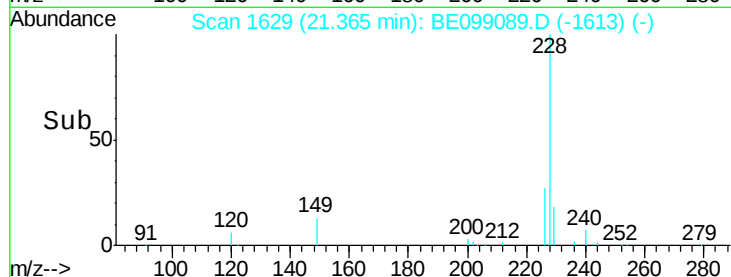
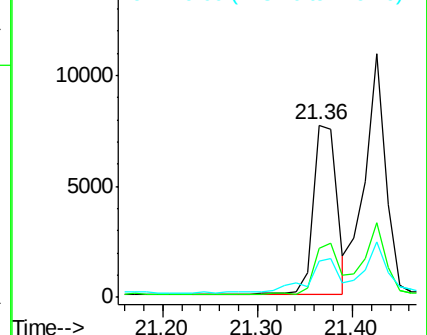
229 21.4 16.5 24.7



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: 0.148 ng

RT: 21.43 min Scan# 1634

Delta R.T. -0.00 min

Lab File: BE099089.D

Acq: 22 Mar 2019 20:47

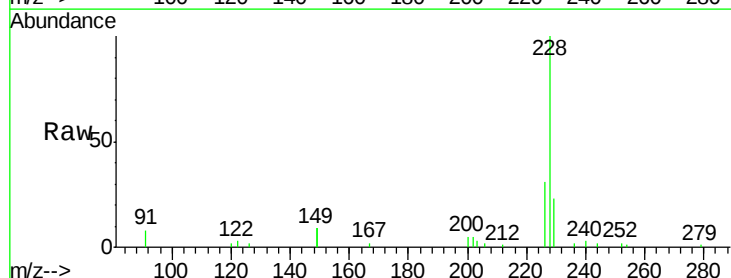
Tgt Ion:228 Resp: 16610

Ion Ratio Lower Upper

228 100

226 30.7 23.7 35.5

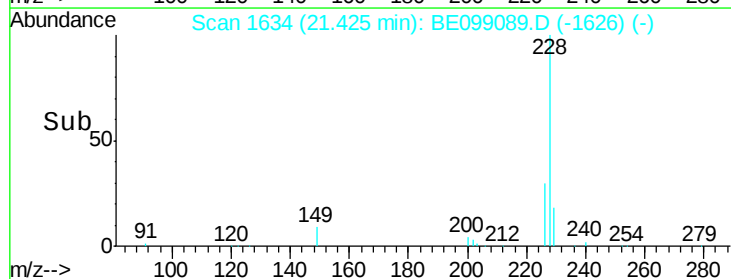
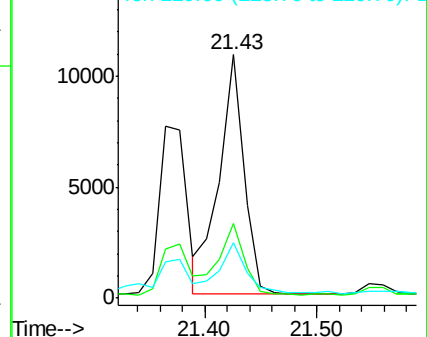
229 22.7 16.1 24.1

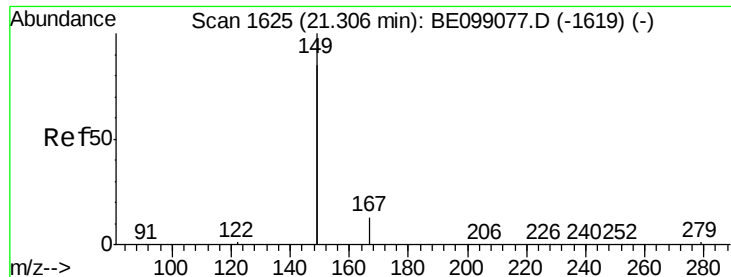


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

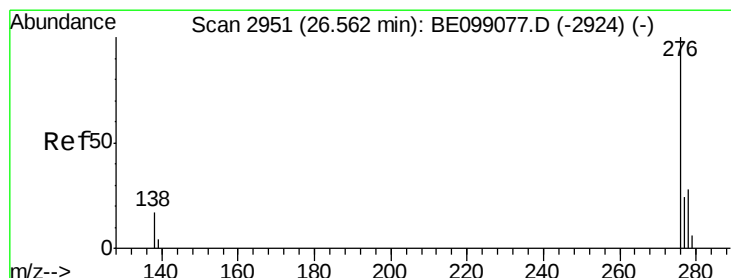
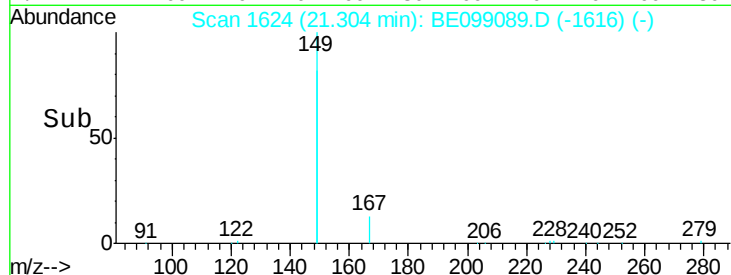
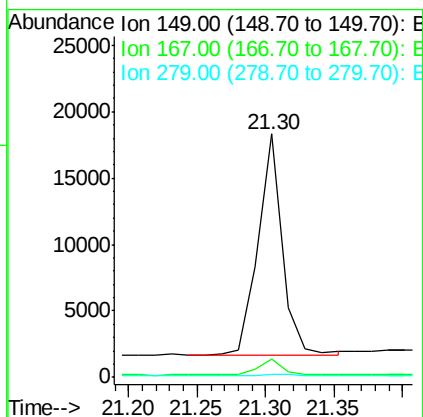
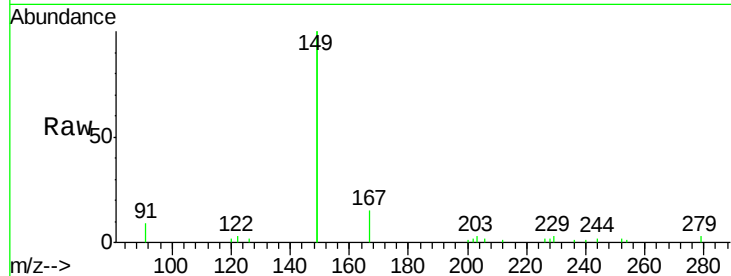




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.140 ng
 RT: 21.30 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

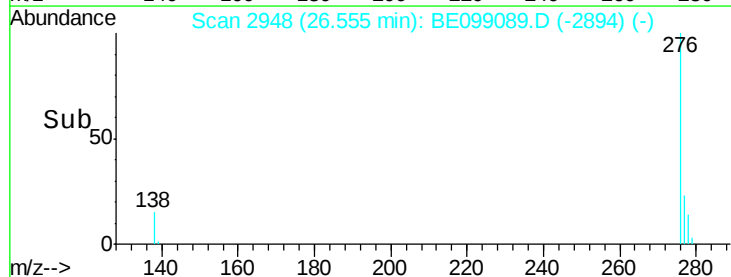
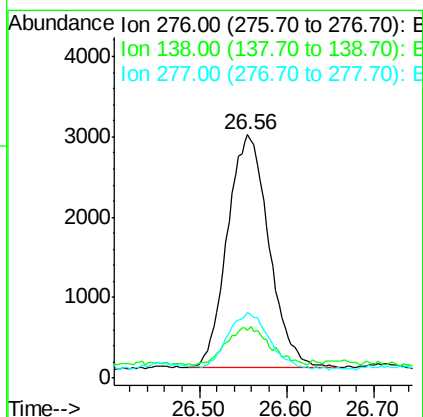
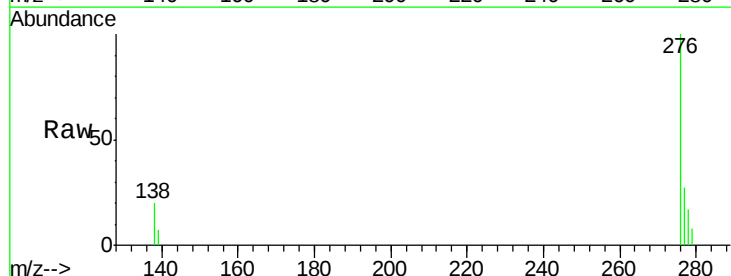
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW02-031319

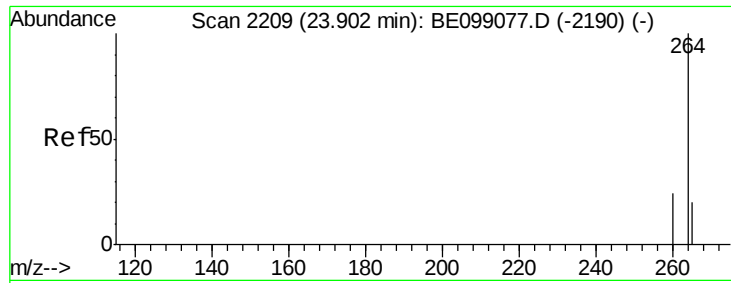
Tgt Ion:149 Resp: 20489
 Ion Ratio Lower Upper
 149 100
 167 6.9 5.4 8.0
 279 1.0 1.0 1.4



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.079 ng
 RT: 26.56 min Scan# 2948
 Delta R.T. -0.01 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

Tgt Ion:276 Resp: 9587
 Ion Ratio Lower Upper
 276 100
 138 17.4 13.8 20.8
 277 23.9 19.5 29.3

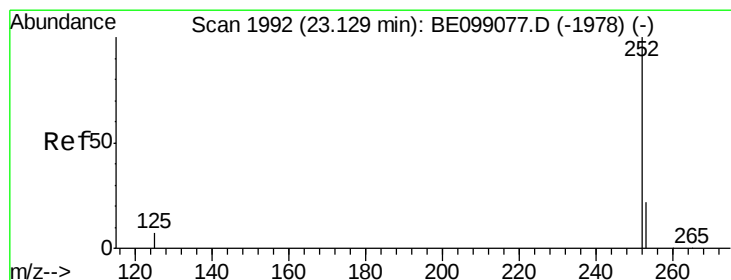
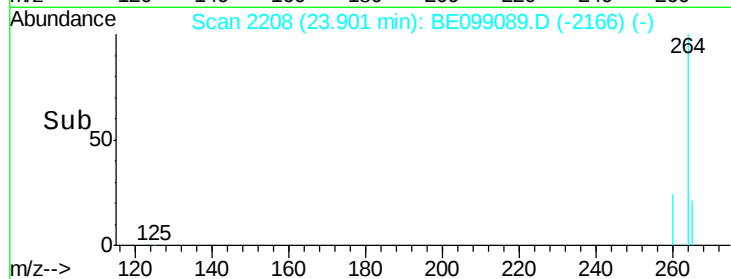
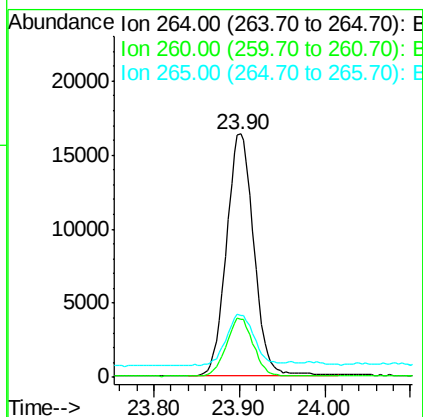
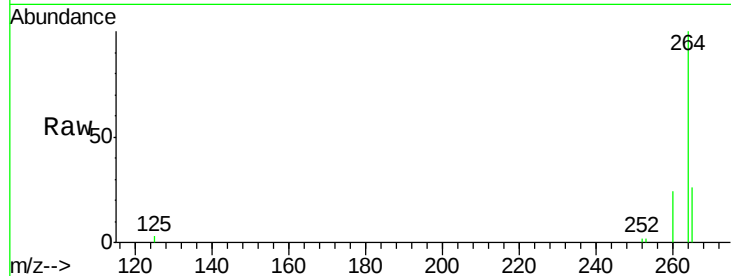




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.90 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

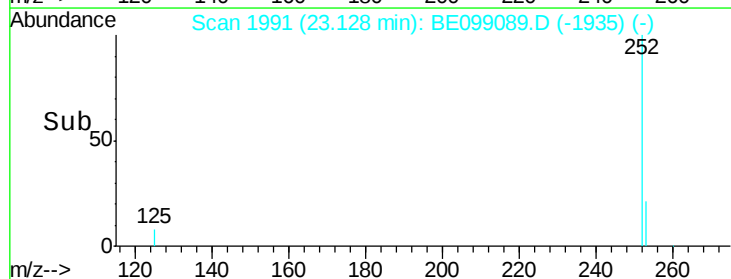
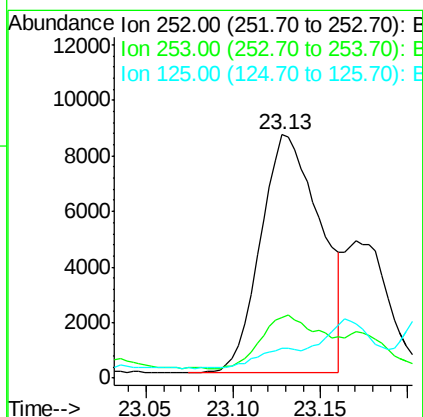
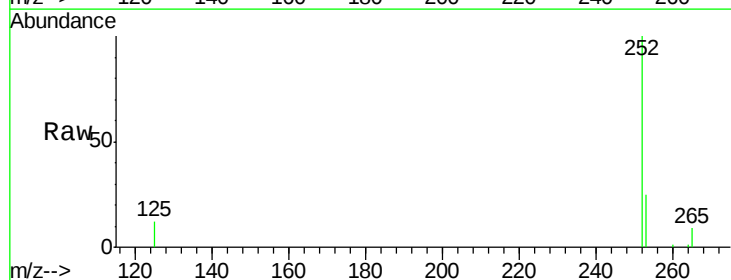
Instrument :
 BNA_E
 ClientSampleId :
 INV-025-SW02-031319

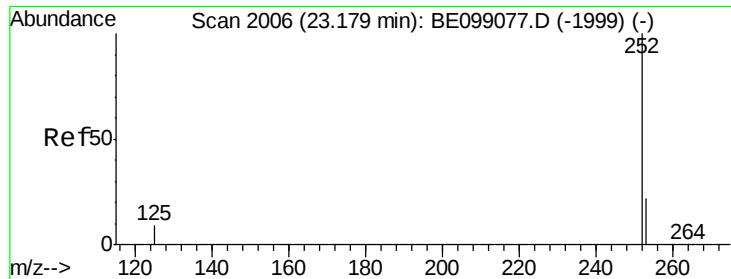
Tgt Ion: 264 Resp: 36536
 Ion Ratio Lower Upper
 264 100
 260 24.0 21.2 31.8
 265 25.6 24.6 36.8



#35
 Benzo(b)fluoranthene
 Concen: 0.162 ng
 RT: 23.13 min Scan# 1991
 Delta R.T. -0.00 min
 Lab File: BE099089.D
 Acq: 22 Mar 2019 20:47

Tgt Ion: 252 Resp: 20416
 Ion Ratio Lower Upper
 252 100
 253 25.0 18.2 27.2
 125 12.4 7.3 10.9#

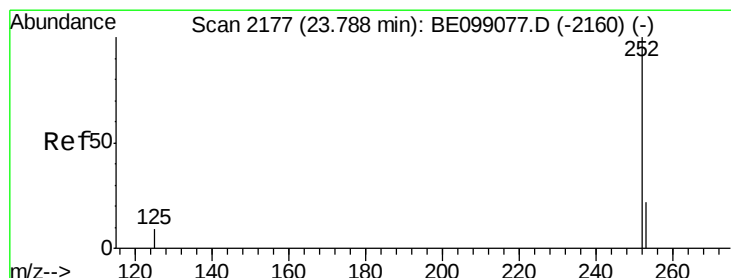
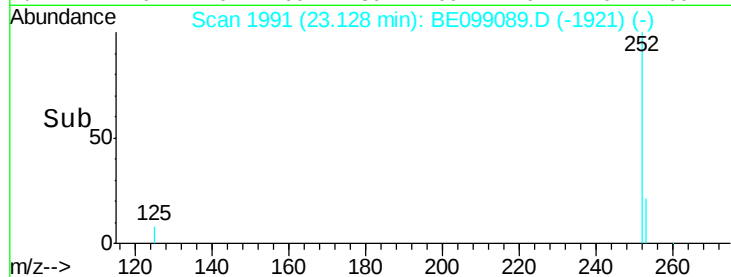
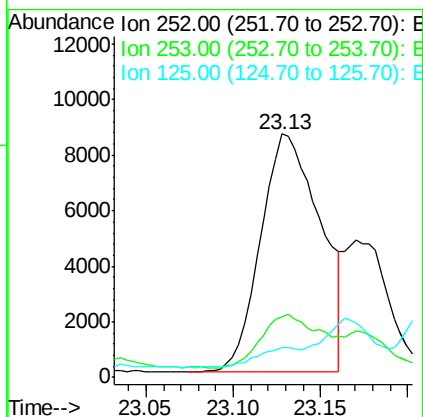
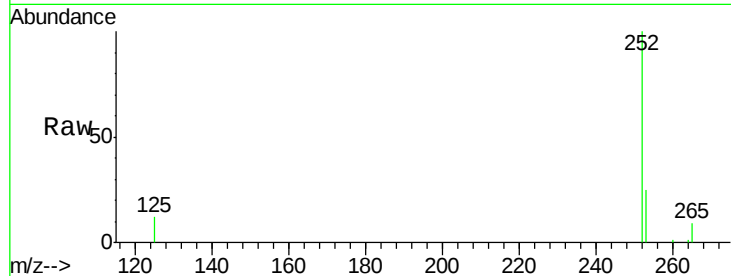




#36
Benzo(k)fluoranthene
Concen: 0.165 ng
RT: 23.13 min Scan# 1991
Delta R.T. -0.05 min
Lab File: BE099089.D
Acq: 22 Mar 2019 20:47

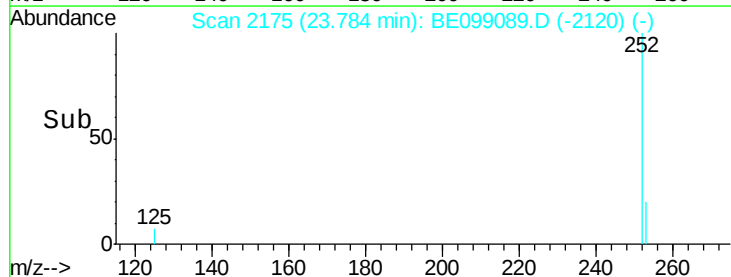
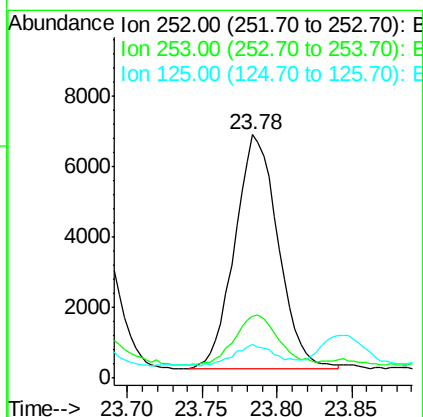
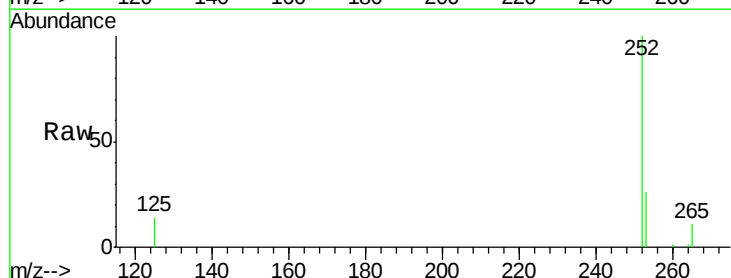
Instrument :
BNA_E
ClientSampleId :
INV-025-SW02-031319

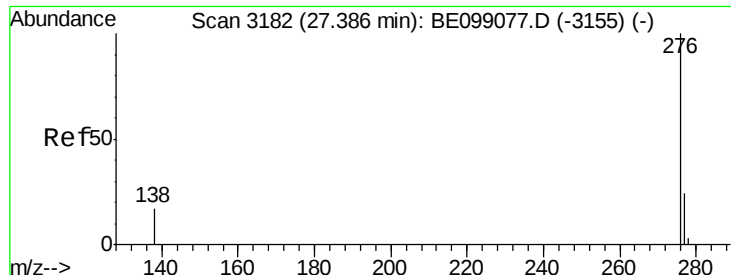
Tgt Ion:252 Resp: 20416
Ion Ratio Lower Upper
252 100
253 25.0 19.3 28.9
125 12.4 7.5 11.3#



#37
Benzo(a)pyrene
Concen: 0.115 ng
RT: 23.78 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BE099089.D
Acq: 22 Mar 2019 20:47

Tgt Ion:252 Resp: 13457
Ion Ratio Lower Upper
252 100
253 25.6 19.9 29.9
125 13.6 9.0 13.4#





#39

Benzo(g,h,i)perylene

Concen: 0.083 ng

RT: 27.38 min Scan# 3179

Delta R.T. -0.01 min

Lab File: BE099089.D

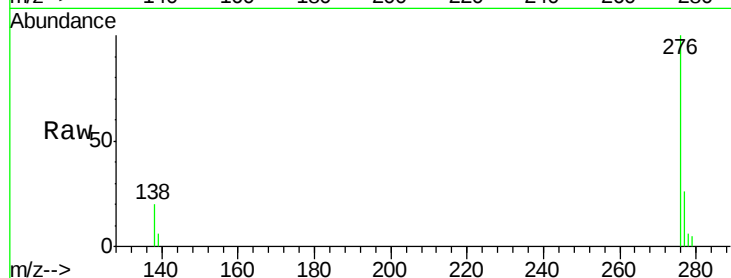
Acq: 22 Mar 2019 20:47

Instrument :

BNA_E

ClientSampleId :

INV-025-SW02-031319



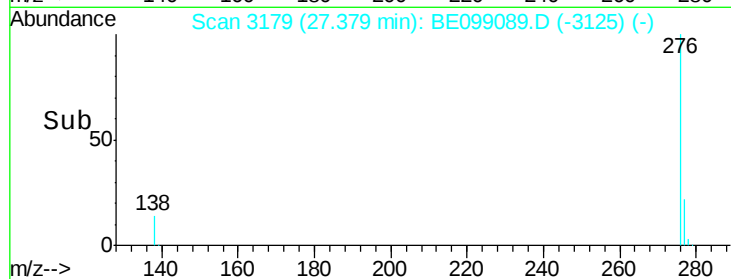
Tgt Ion: 276 Resp: 9675

Ion Ratio Lower Upper

276 100

277 25.5 20.4 30.6

138 20.1 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

