

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052819\
 Data File : BE099768.D
 Acq On : 28 May 2019 21:55
 Operator : JU/SJ
 Sample : K3037-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 29 04:11:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1104	0.40	ng	-0.01
7) Naphthalene-d8	10.60	136	4071	0.40	ng	-0.01
13) Acenaphthene-d10	14.47	164	3351	0.40	ng	-0.01
19) Phenanthrene-d10	17.21	188	10358	0.40	ng	-0.01
27) Chrysene-d12	21.40	240	14608	0.40	ng	-0.01
34) Perylene-d12	23.94	264	17123	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	544	0.19	ng	0.00
5) Phenol-d6	6.96	99	447	0.12	ng	-0.01
8) Nitrobenzene-d5	8.96	82	1590	0.45	ng	-0.01
11) 2-Methylnaphthalene-d10	12.21	152	2938	0.42	ng	-0.01
14) 2,4,6-Tribromophenol	15.97	330	1026	0.53	ng	-0.01
15) 2-Fluorobiphenyl	13.09	172	6219	0.49	ng	-0.01
25) Fluoranthene-d10	19.25	212	64488	0.46	ng	-0.01
29) Terphenyl-d14	19.85	244	25640	0.98	ng	-0.02

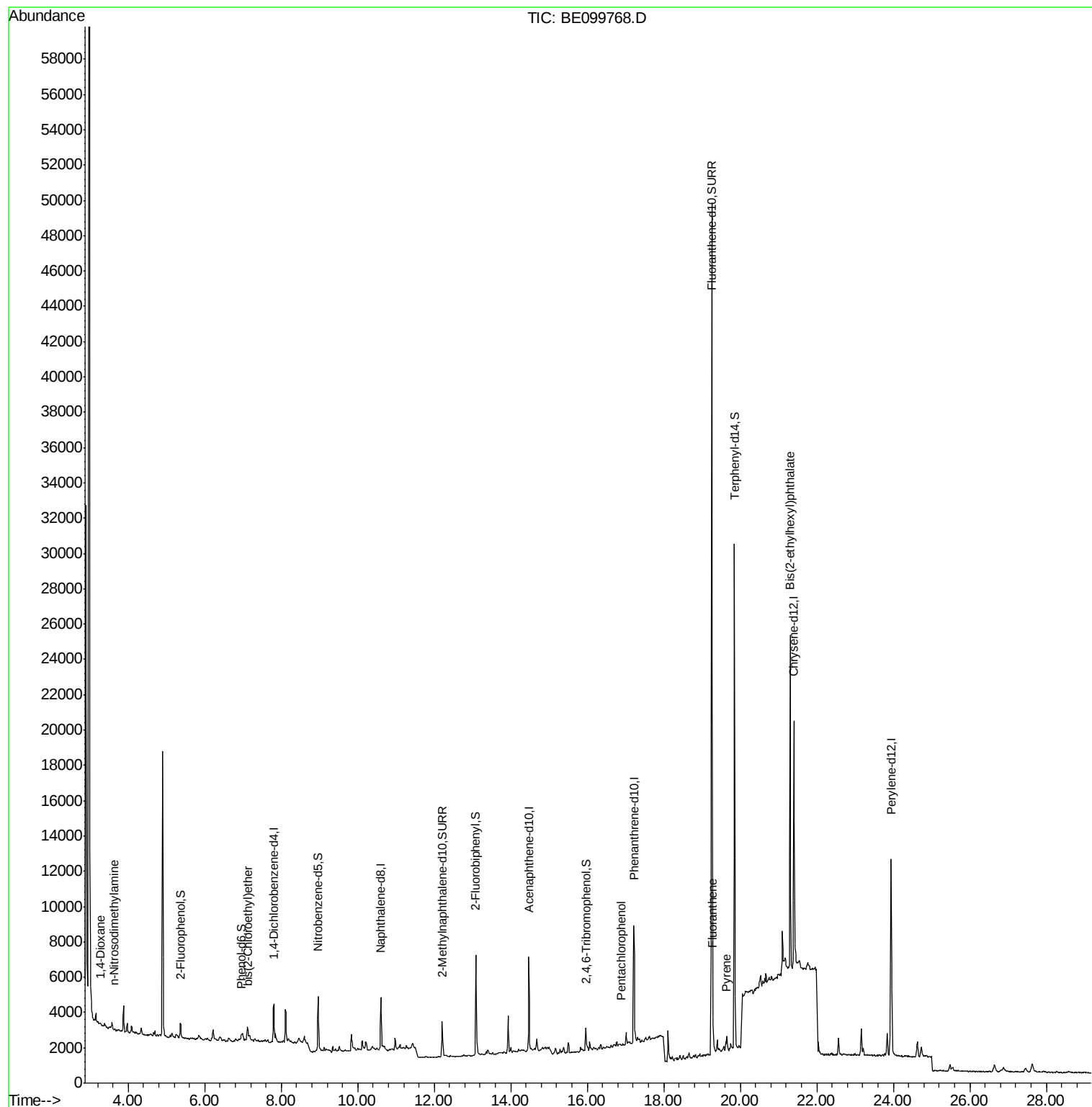
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.28	88	73	0.045	ng	# 34
3) n-Nitrosodimethylamine	3.62	42	26	0.029	ng	# 1
6) bis(2-Chloroethyl)ether	7.14	93	726	0.221	ng	# 1
22) Pentachlorophenol	16.88	266	36	0.200	ng	# 79
26) Fluoranthene	19.28	202	803	0.020	ng	# 85
28) Pyrene	19.65	202	769	0.021	ng	# 86
32) Bis(2-ethylhexyl)phthalate	21.31	149	19964	0.417	ng	100

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.80 min Scan# 429

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

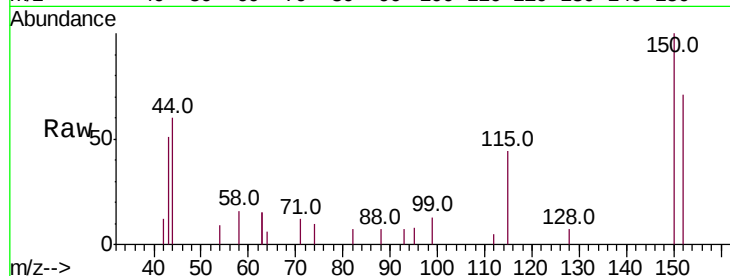
Tot Ion:152 Resp: 1104

Ion Ratio Lower Upper

152 100

150 140.4 109.2 163.8

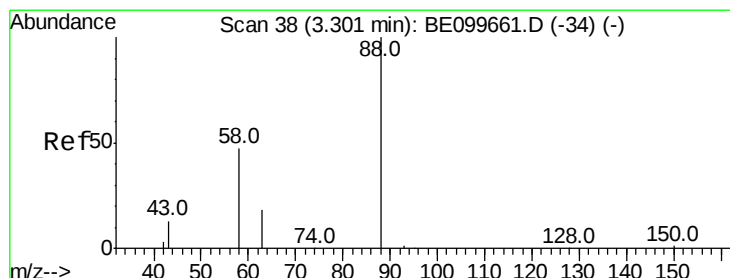
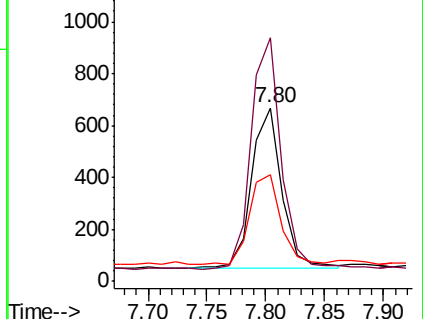
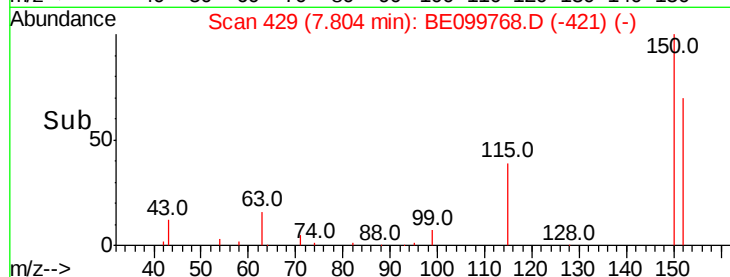
115 61.8 43.7 65.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.045 ng

RT: 3.28 min Scan# 36

Delta R.T. -0.02 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

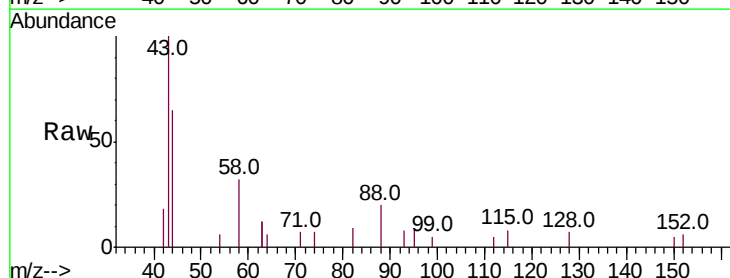
Tgt Ion: 88 Resp: 73

Ion Ratio Lower Upper

88 100

58 0.0 41.8 62.8#

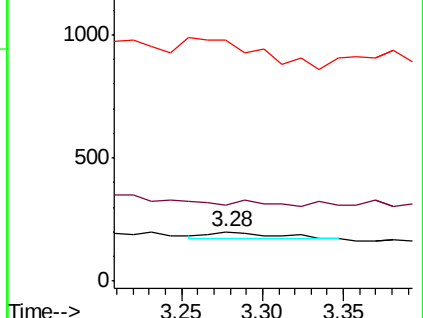
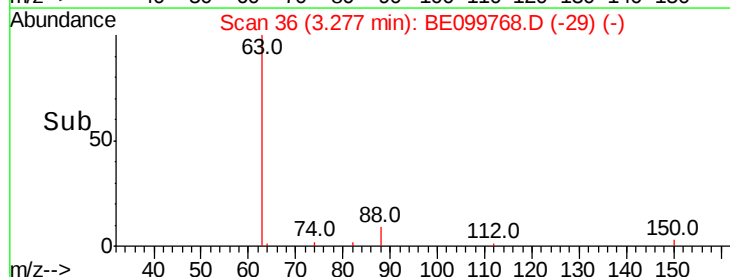
43 0.0 15.0 22.4#



Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



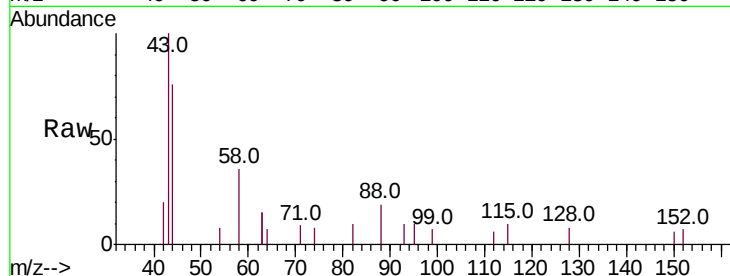


#3

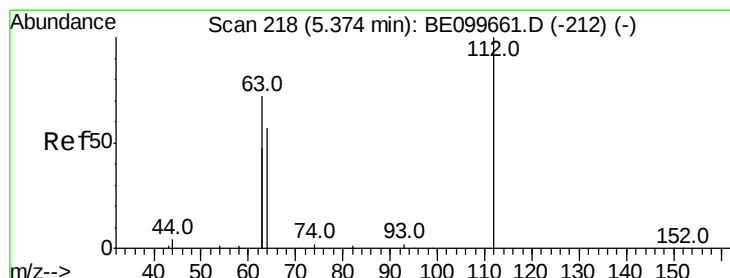
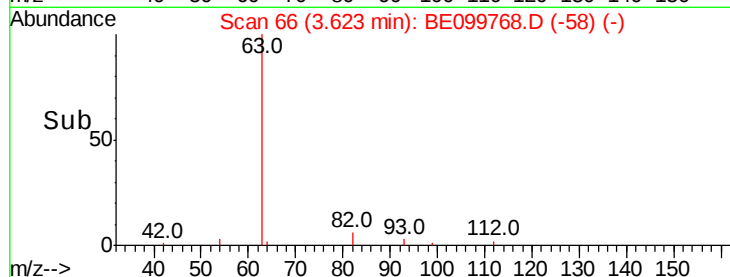
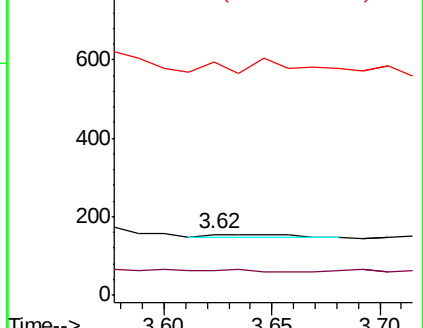
n-Nitrosodimethylamine
 Concen: 0.029 ng
 RT: 3.62 min Scan# 66
 Delta R.T. -0.01 min
 Lab File: BE099768.D
 Acq: 28 May 2019 21:55

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
74	0.0	129.2	193.8#
44	80.8	0.0	0.0#



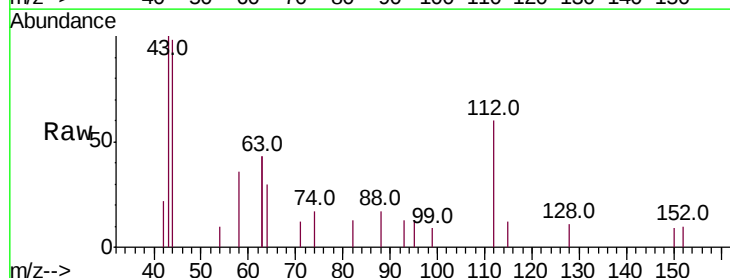
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



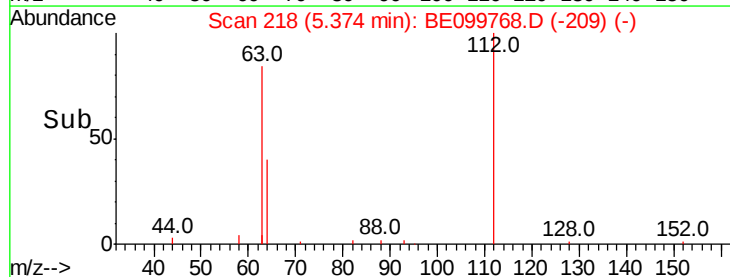
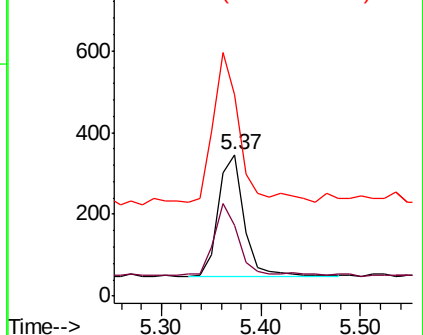
#4

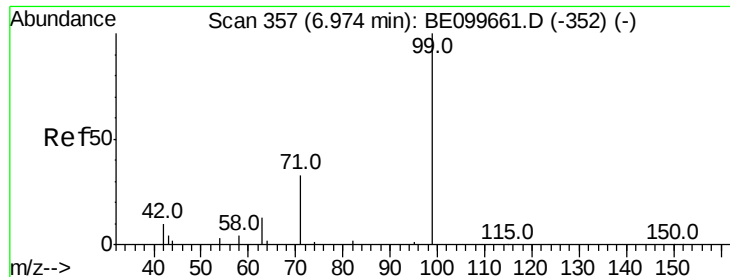
2-Fluorophenol
 Concen: 0.195 ng
 RT: 5.37 min Scan# 218
 Delta R.T. -0.00 min
 Lab File: BE099768.D
 Acq: 28 May 2019 21:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	43.4	65.2
63	125.0	96.9	145.3



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: 0.121 ng

RT: 6.96 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

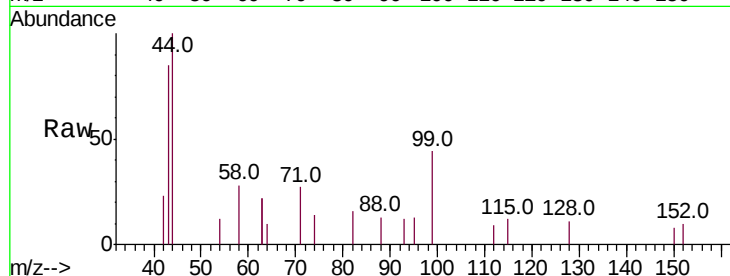
Tot Ion: 99 Resp: 447

Ion Ratio Lower Upper

99 100

42 10.7 12.2 18.2#

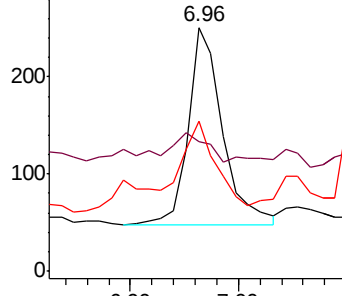
71 40.7 28.9 43.3



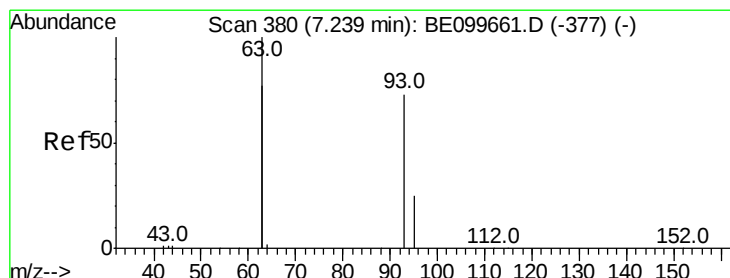
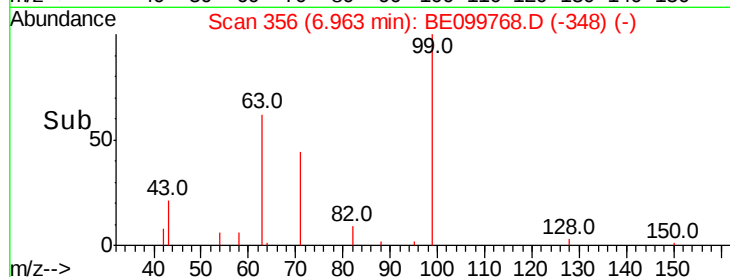
Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.221 ng

RT: 7.14 min Scan# 371

Delta R.T. -0.10 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

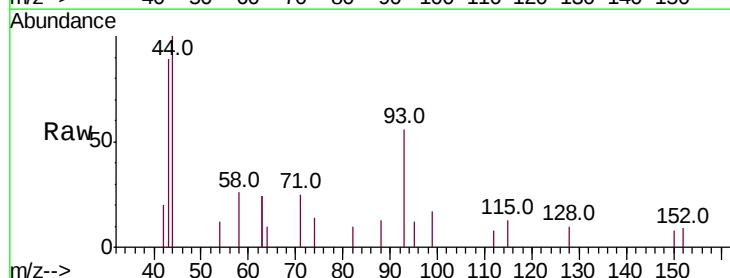
Tgt Ion: 93 Resp: 726

Ion Ratio Lower Upper

93 100

63 18.6 207.8 311.6#

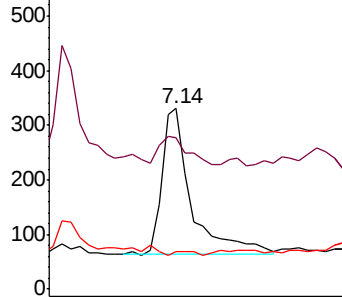
95 1.8 25.9 38.9#



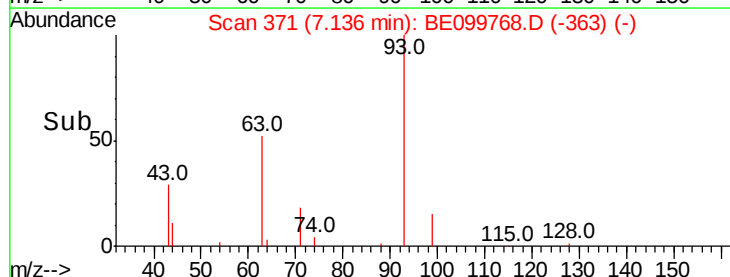
Abundance Ion 93.00 (92.70 to 93.70): BE0

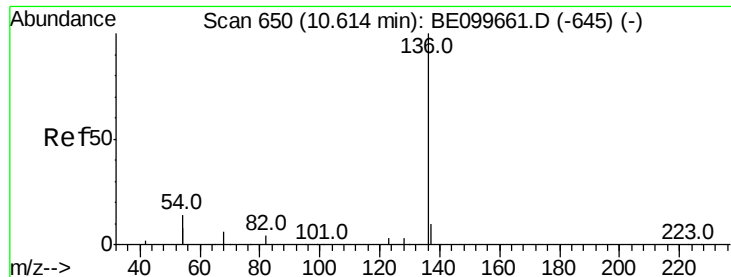
Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.60 min Scan# 649

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 4071

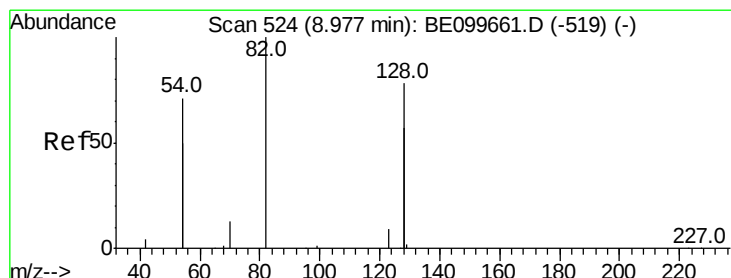
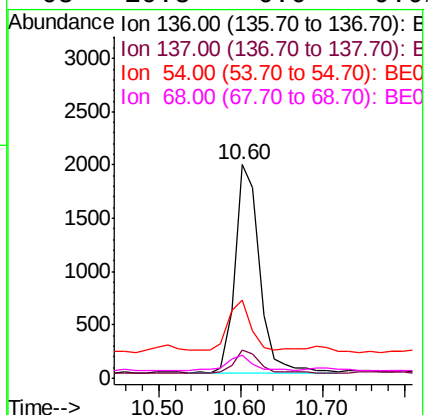
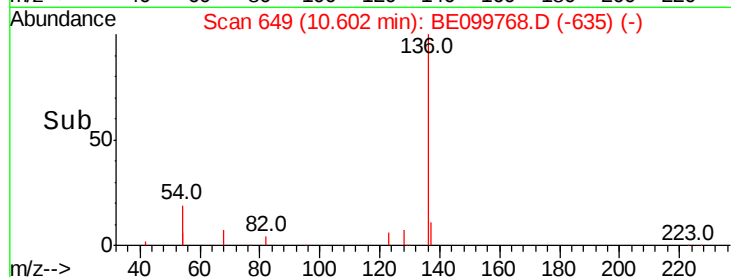
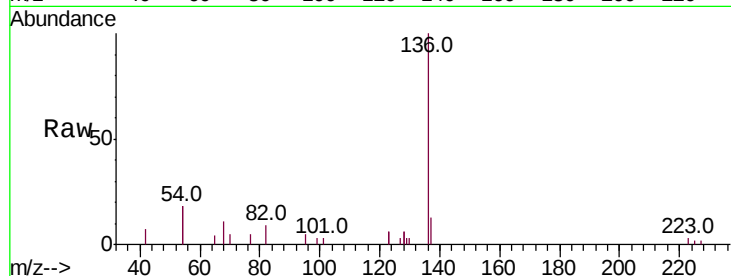
Ion Ratio Lower Upper

136 100

137 13.1 9.0 13.6

54 36.6 22.3 33.5#

68 10.8 6.0 9.0#



#8

Nitrobenzene-d5

Concen: 0.451 ng

RT: 8.96 min Scan# 523

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

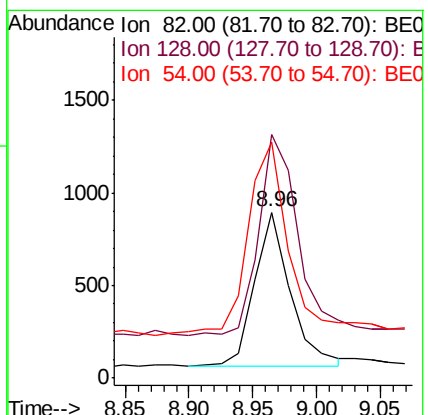
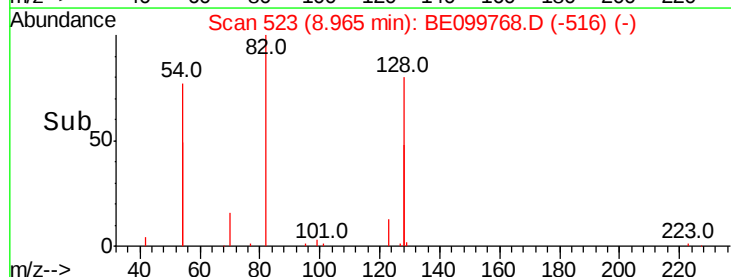
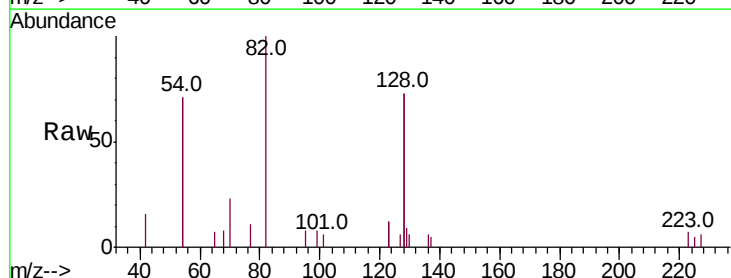
Tgt Ion: 82 Resp: 1590

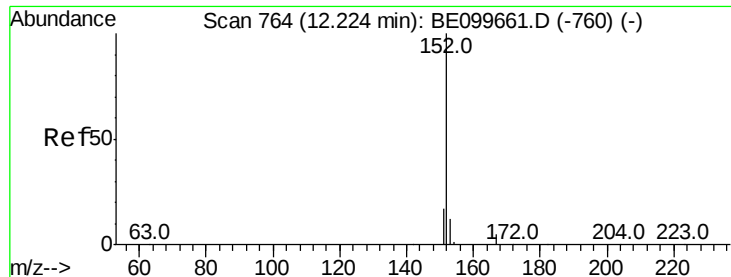
Ion Ratio Lower Upper

82 100

128 146.8 117.7 176.5

54 142.3 106.6 160.0

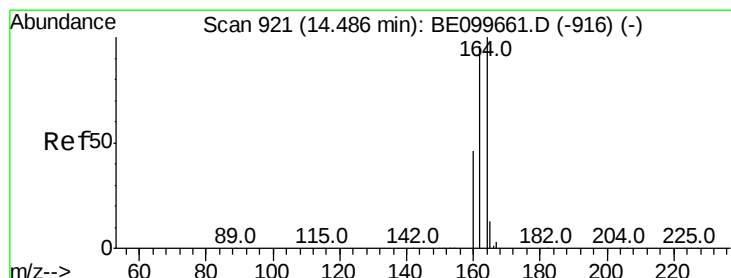
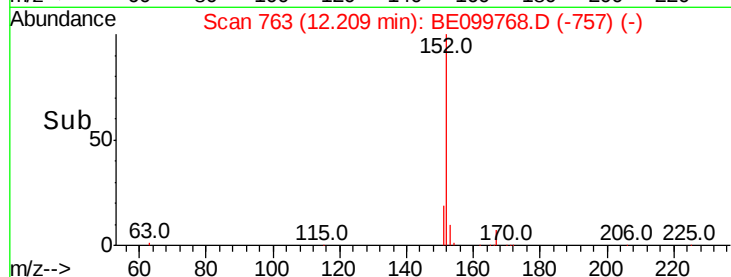
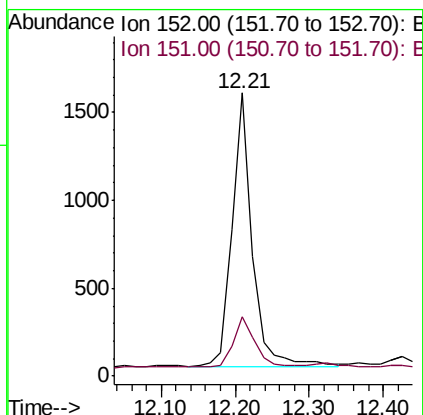
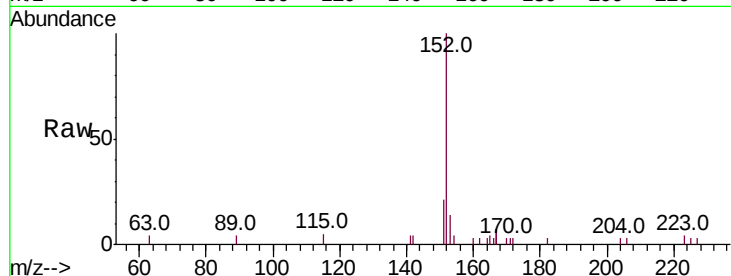




#11
 2-Methylnaphthalene-d10
 Concen: 0.418 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BE099768.D
 Acq: 28 May 2019 21:55

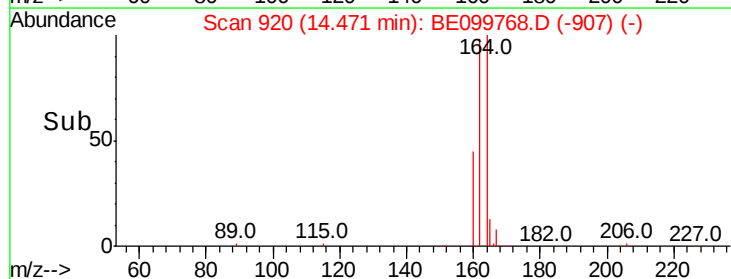
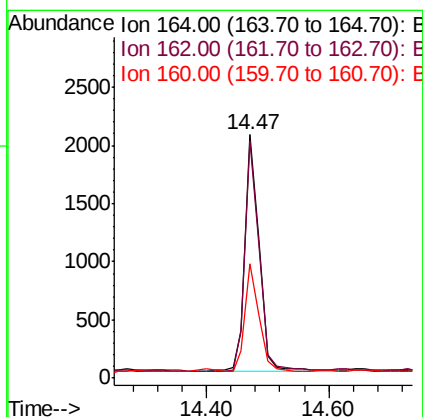
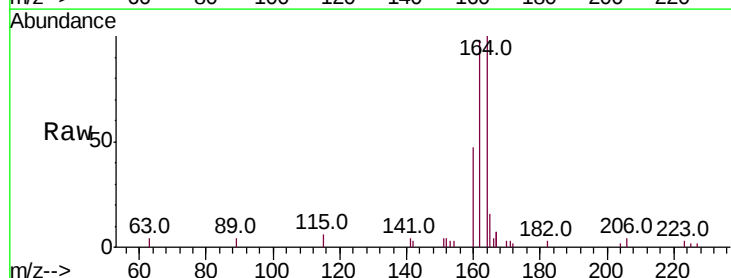
Instrument :
 BNA_E
 ClientSampleId :

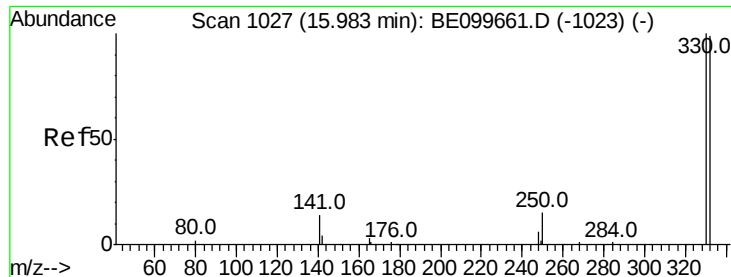
Tot Ion:152 Resp: 2938
 Ion Ratio Lower Upper
 152 100
 151 18.6 15.0 22.4



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: BE099768.D
 Acq: 28 May 2019 21:55

Tgt Ion:164 Resp: 3351
 Ion Ratio Lower Upper
 164 100
 162 97.7 76.5 114.7
 160 46.8 37.4 56.2

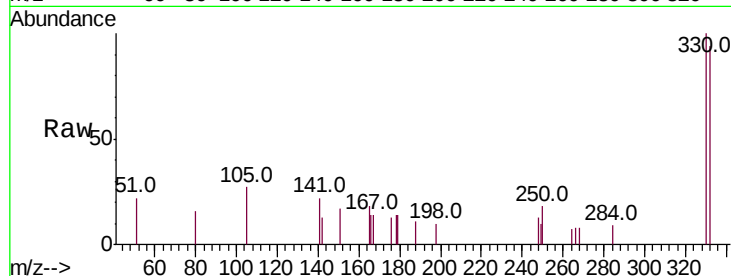




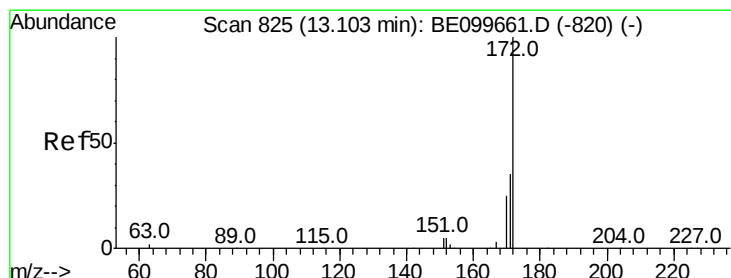
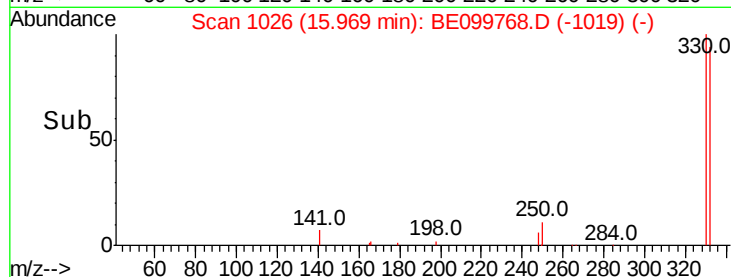
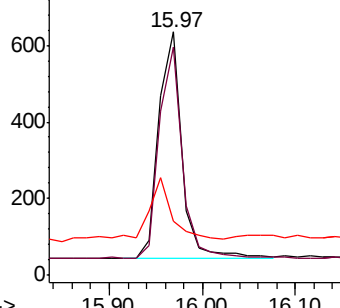
#14
 2,4,6-Tribromophenol
 Concen: 0.527 ng
 RT: 15.97 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: BE099768.D
 Acq: 28 May 2019 21:55

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:330 Resp: 1026
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.3 115.9
 141 24.4 18.9 28.3

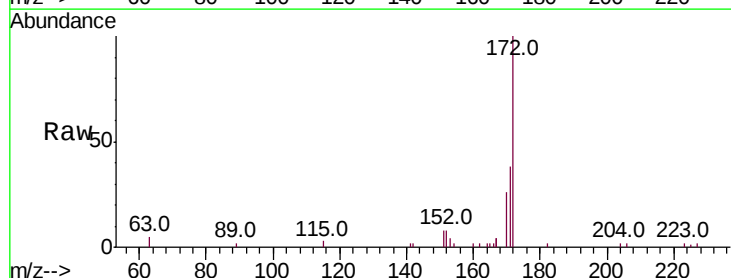


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

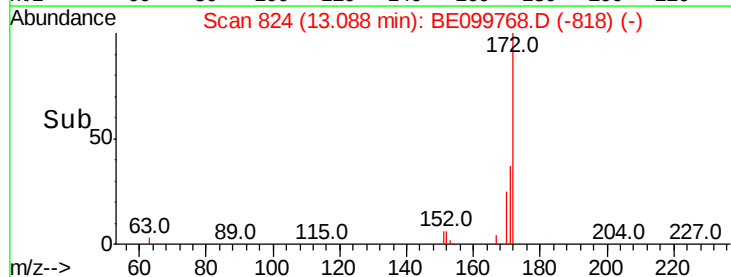
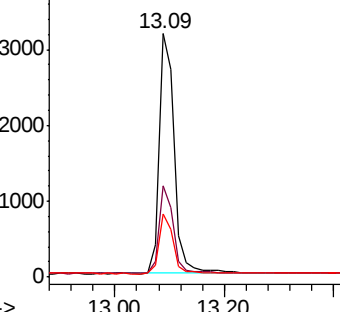


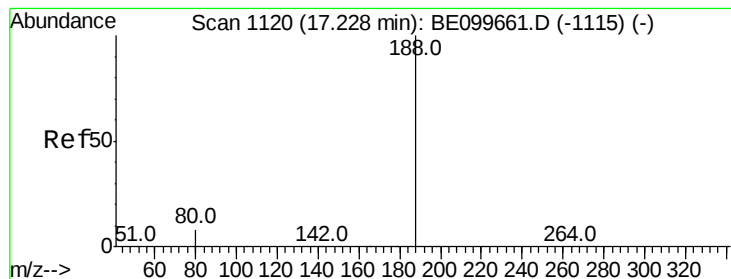
#15
 2-Fluorobiphenyl
 Concen: 0.489 ng
 RT: 13.09 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: BE099768.D
 Acq: 28 May 2019 21:55

Tgt Ion:172 Resp: 6219
 Ion Ratio Lower Upper
 172 100
 171 37.8 28.7 43.1
 170 26.1 20.9 31.3



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. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

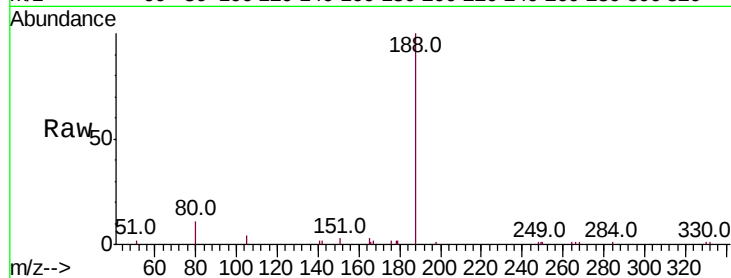
Tot Ion:188 Resp: 10358

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

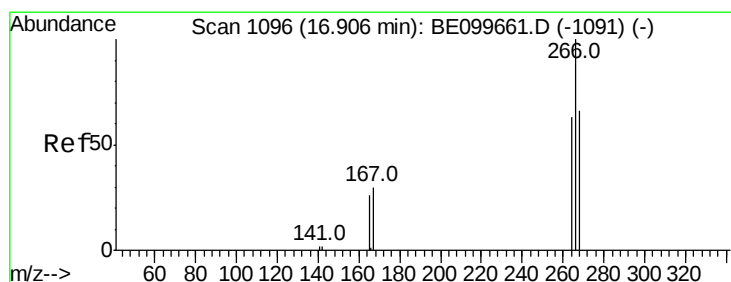
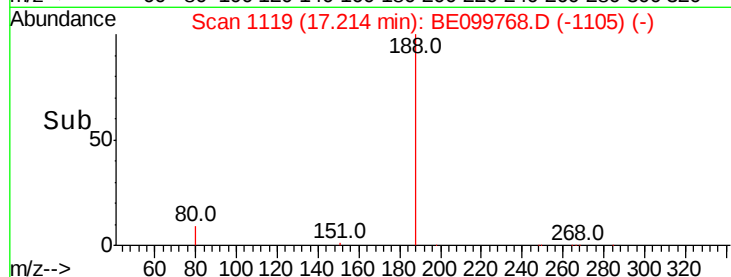
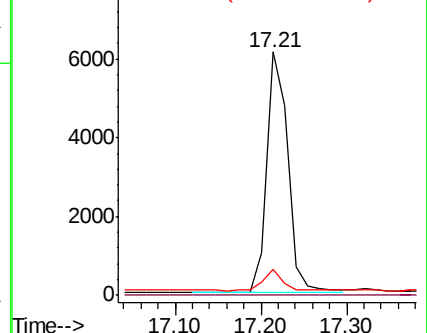
80 10.6 6.7 10.1#



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: 0.200 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.03 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

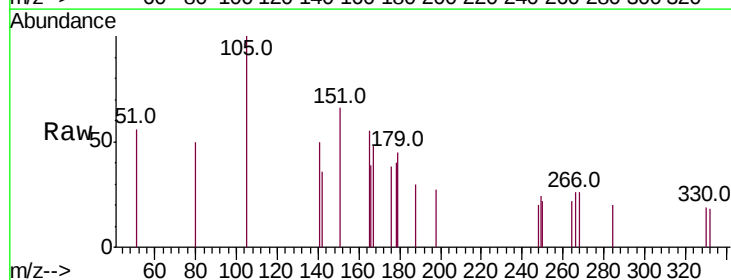
Tgt Ion:266 Resp: 36

Ion Ratio Lower Upper

266 100

264 83.1 57.2 85.8

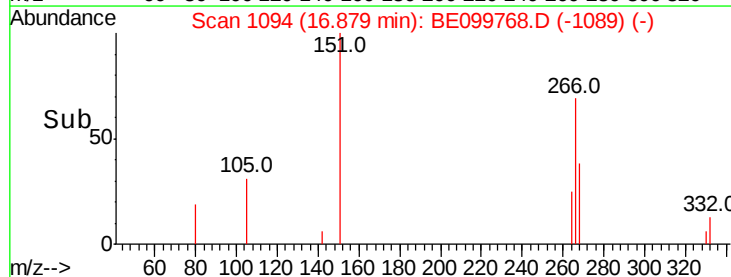
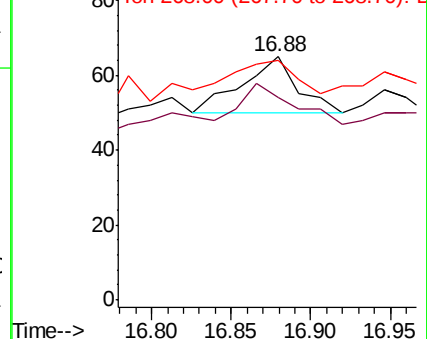
268 98.5 60.5 90.7#

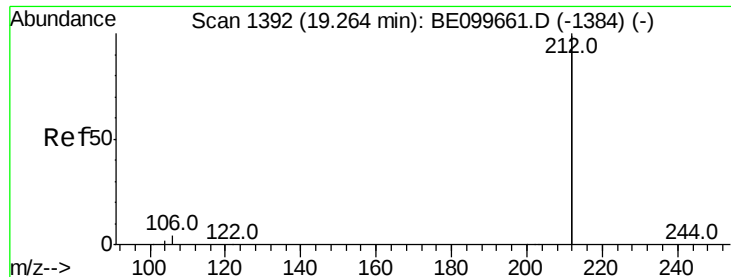


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.456 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

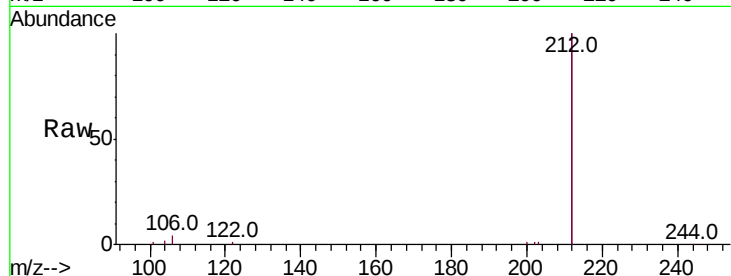
Tot Ion:212 Resp: 64488

Ion Ratio Lower Upper

212 100

106 1.8 1.4 2.2

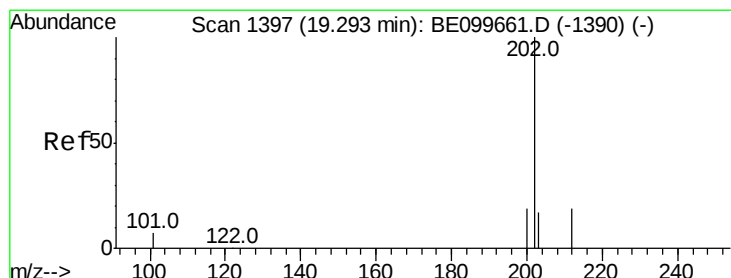
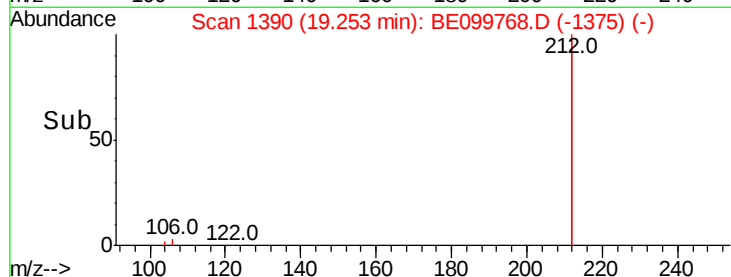
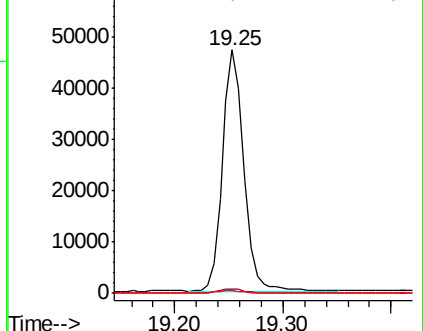
104 1.1 0.8 1.2



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: 0.020 ng

RT: 19.28 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

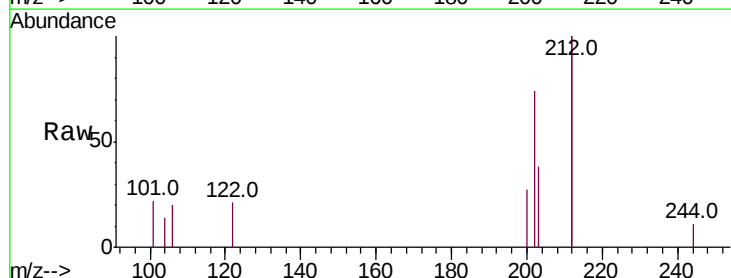
Tgt Ion:202 Resp: 803

Ion Ratio Lower Upper

202 100

101 19.3 5.2 7.8#

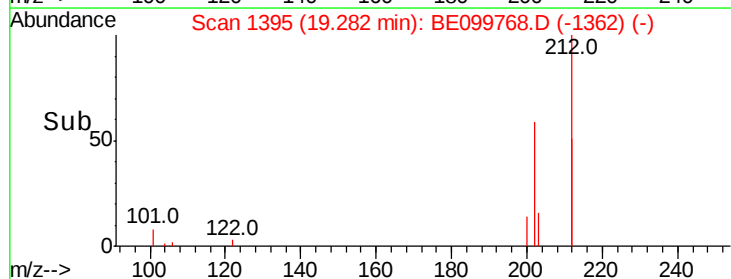
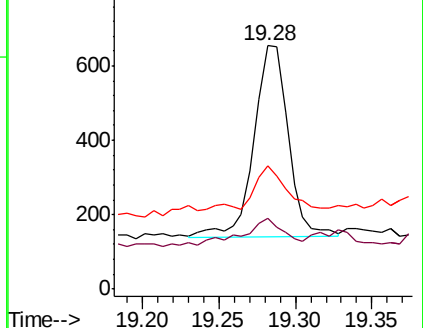
203 19.8 13.8 20.6

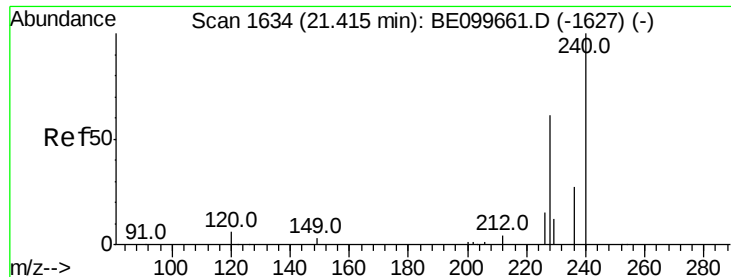


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.40 min Scan# 1633

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampled :

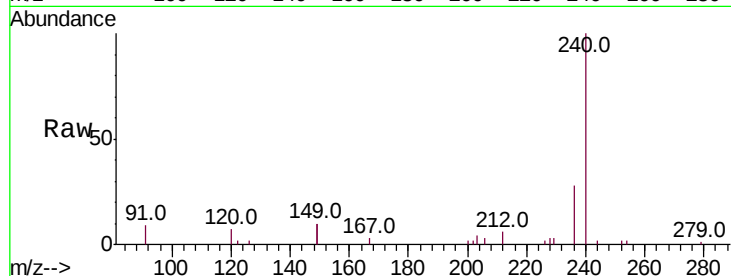
Tot Ion:240 Resp: 14608

Ion Ratio Lower Upper

240 100

120 7.0 5.4 8.0

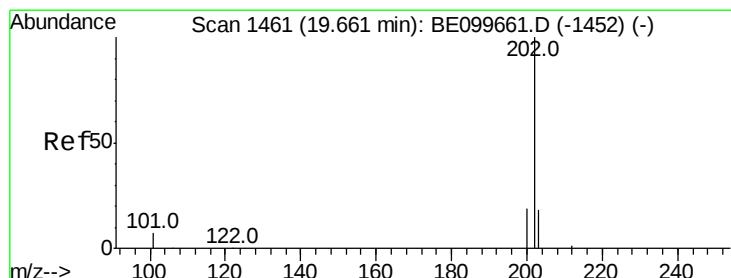
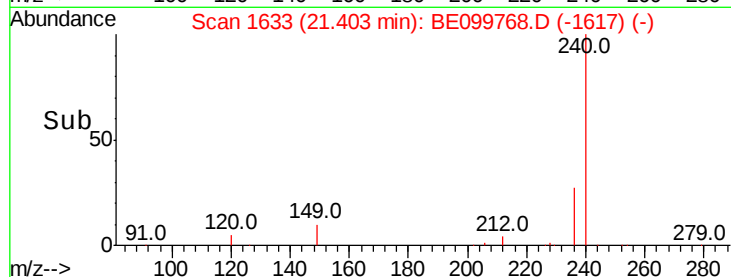
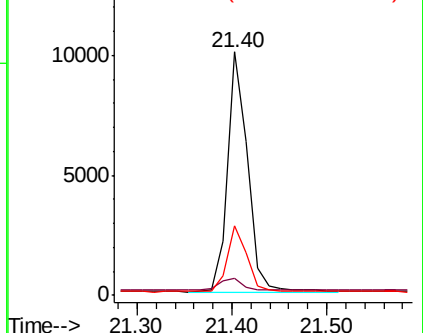
236 28.5 21.7 32.5



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: 0.021 ng

RT: 19.65 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

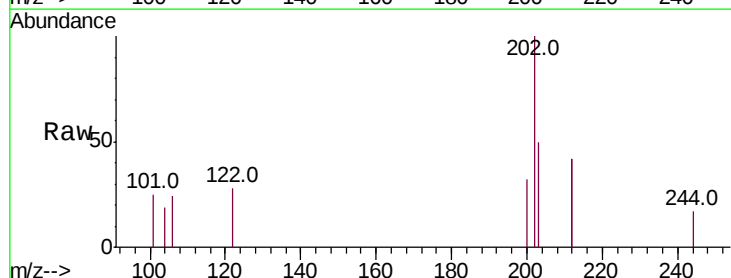
Tgt Ion:202 Resp: 769

Ion Ratio Lower Upper

202 100

200 21.8 15.4 23.2

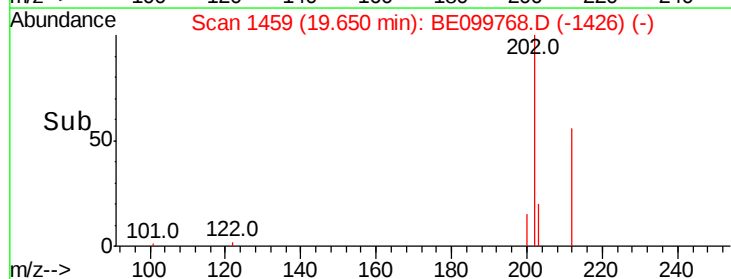
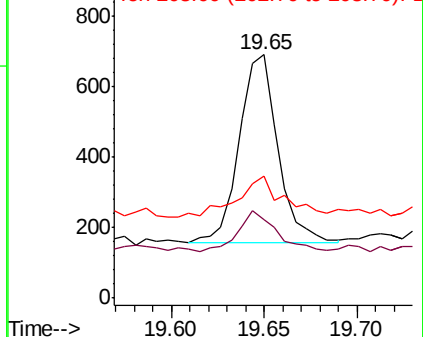
203 27.0 13.8 20.8#

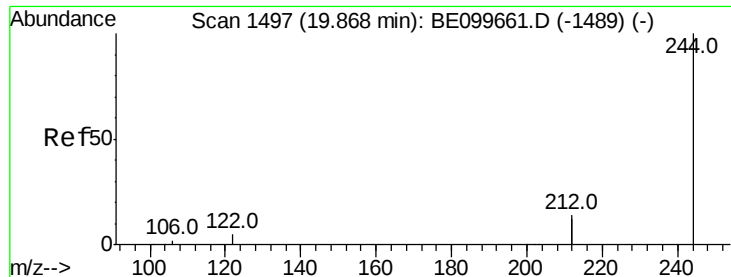


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.983 ng

RT: 19.85 min Scan# 1494

Delta R.T. -0.02 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

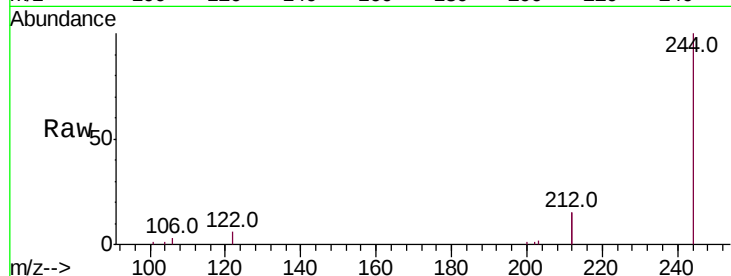
Tot Ion:244 Resp: 25640

Ion Ratio Lower Upper

244 100

212 30.7 22.5 33.7

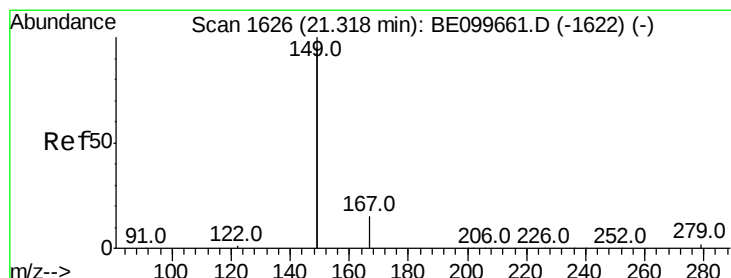
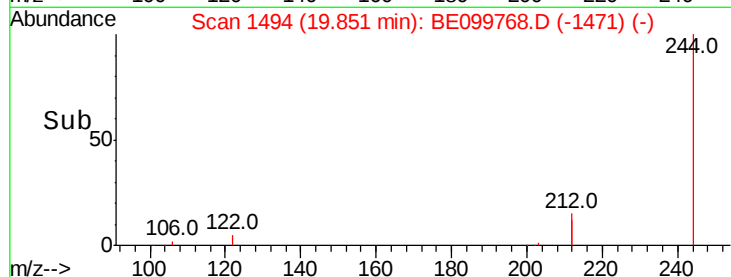
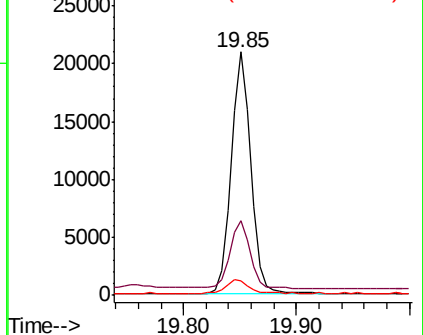
122 6.0 4.3 6.5



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.417 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

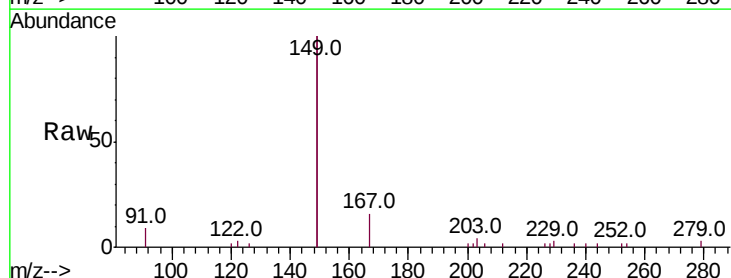
Tgt Ion:149 Resp: 19964

Ion Ratio Lower Upper

149 100

167 7.9 6.2 9.4

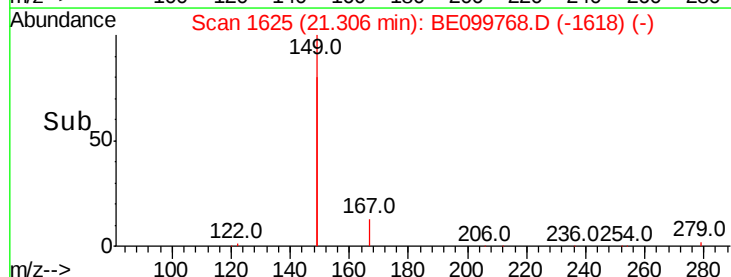
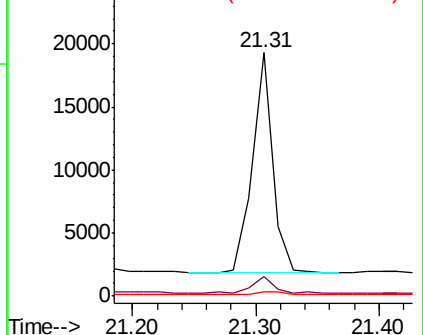
279 1.6 1.2 1.8

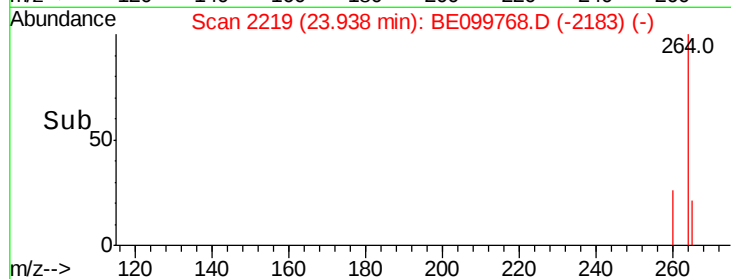
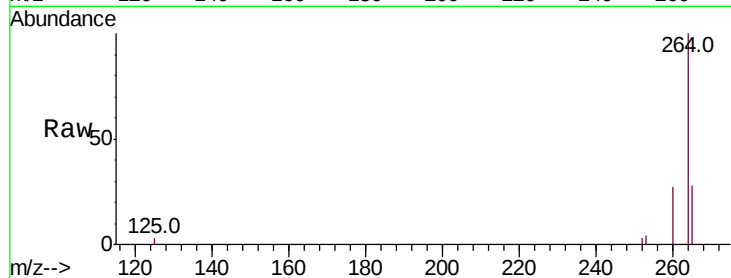
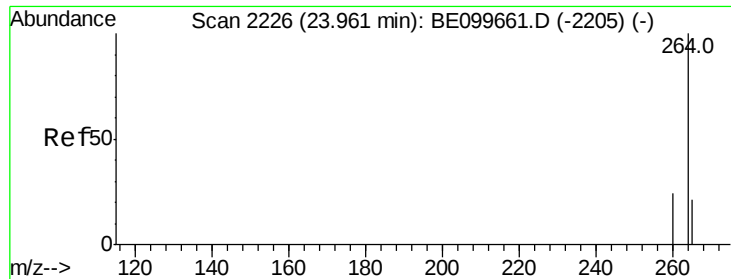


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.94 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BE099768.D

Acq: 28 May 2019 21:55

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 17123

Ion Ratio Lower Upper

264 100

260 26.9 19.6 29.4

265 28.4 19.1 28.7

