

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121118\
 Data File : BE098356.D
 Acq On : 12 Dec 2018 6:02
 Operator : SJ/JU
 Sample : J6314-22
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 12 17:27:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 10 14:59:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1059	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	4530	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	2943	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	7915	0.40	ng	0.00
27) Chrysene-d12	21.46	240	9472	0.40	ng	0.00
34) Perylene-d12	24.01	264	9088	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.45	112	474	0.19	ng	0.00
5) Phenol-d6	7.04	99	387	0.11	ng	0.00
8) Nitrobenzene-d5	9.03	82	1974	0.48	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	3301	0.45	ng	0.00
14) 2,4,6-Tribromophenol	16.02	330	577	0.53	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	6686	0.54	ng	0.00
25) Fluoranthene-d10	19.31	212	49574	0.49	ng	0.00
29) Terphenyl-d14	19.90	244	13985	0.61	ng	0.00

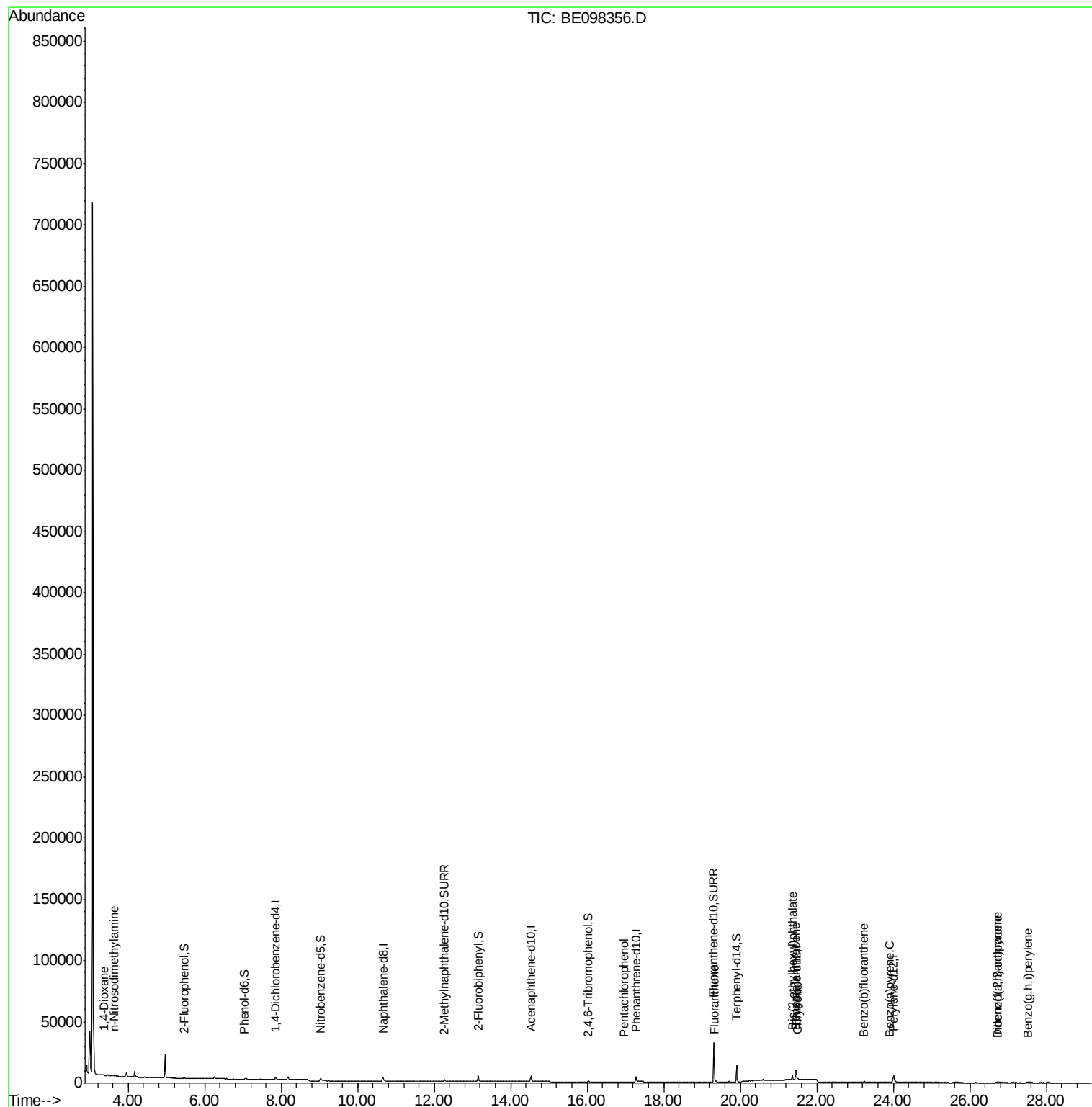
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	209	0.114	ng	# 45
3) n-Nitrosodimethylamine	3.63	42	160	0.097	ng	# 100
22) Pentachlorophenol	16.97	266	23	0.049	ng	# 76
26) Fluoranthene	19.34	202	543	0.021	ng	# 88
30) Benzo(a)anthracene	21.45	228	594	0.022	ng	# 72
31) Chrysene	21.50	228	589	0.021	ng	# 72
32) Bis(2-ethylhexyl)phthalate	21.37	149	5258	0.096	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.71	276	624	0.022	ng	# 78
35) Benzo(b)fluoranthene	23.23	252	589	0.024	ng	# 4
37) Benzo(a)pyrene	23.90	252	544	0.021	ng	# 5
38) Dibenzo(a,h)anthracene	26.73	278	490	0.020	ng	# 21
39) Benzo(g,h,i)perylene	27.53	276	562	0.023	ng	# 50

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

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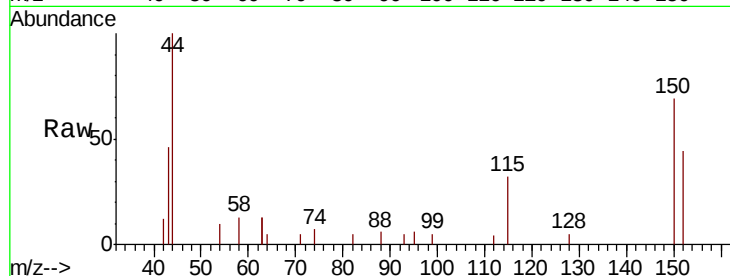


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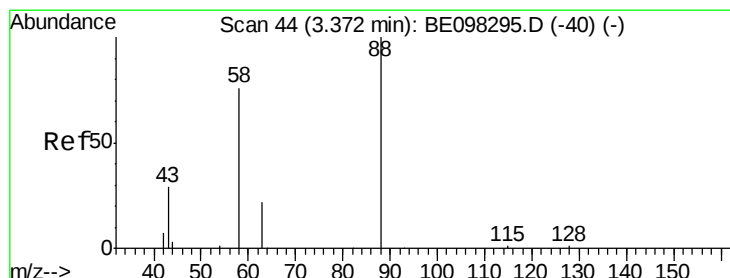
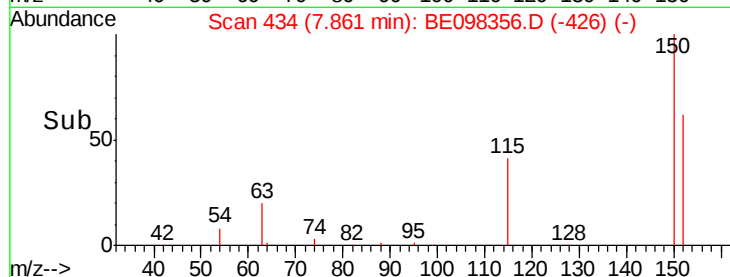
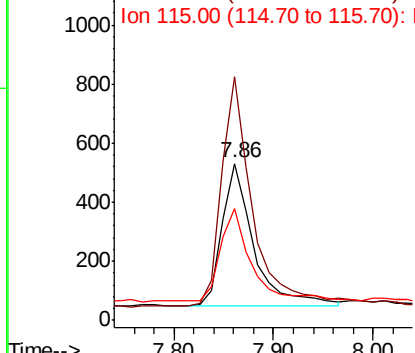
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098356.D
Acq: 12 Dec 2018 6:02

Instrument :
BNA_E
ClientSampled :

Tot Ion:152 Resp: 1059
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.4
115 71.5 53.9 80.9



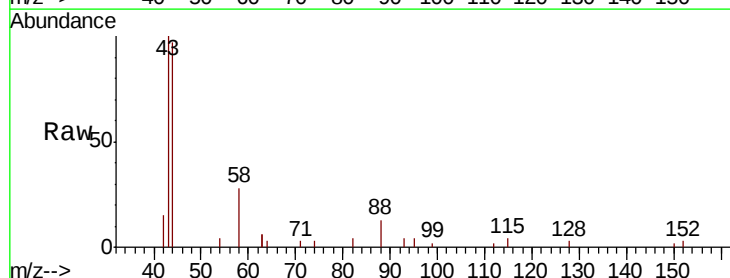
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



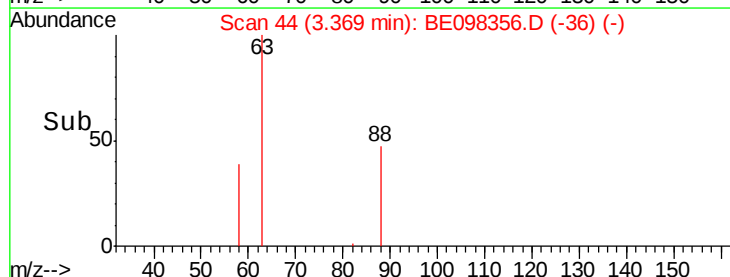
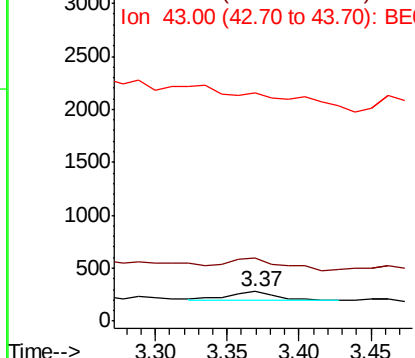
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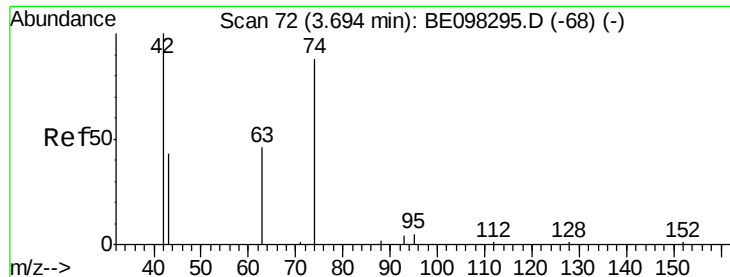
1,4-Dioxane
Concen: 0.114 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098356.D
Acq: 12 Dec 2018 6:02

Tgt Ion: 88 Resp: 209
Ion Ratio Lower Upper
88 100
58 138.8 75.0 112.6#
43 0.0 38.3 57.5#



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



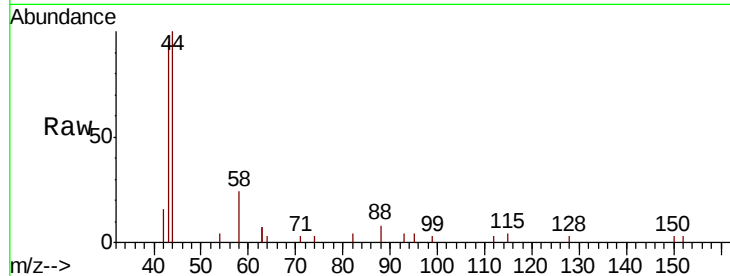


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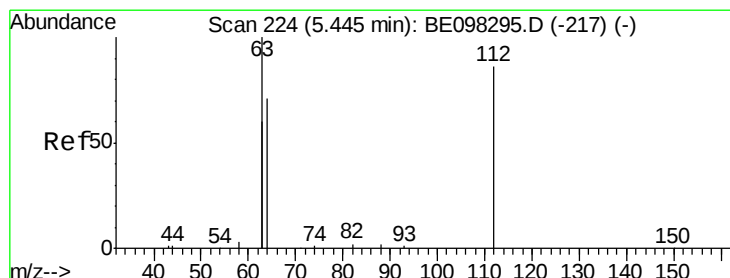
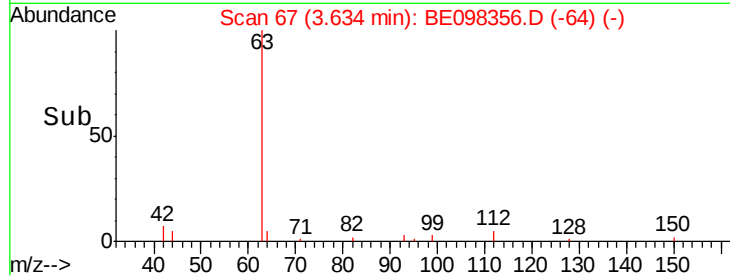
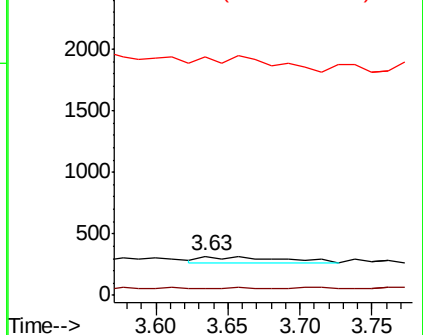
n-Nitrosodimethylamine
 Concen: 0.097 ng
 RT: 3.63 min Scan# 67
 Delta R.T. -0.06 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Instrument :
 BNA_E
 ClientSampled :

Tot Ion: 42 Resp: 160
 Ion Ratio Lower Upper
 42 100
 74 0.0 0.0 0.0
 44 0.0 0.0 0.0



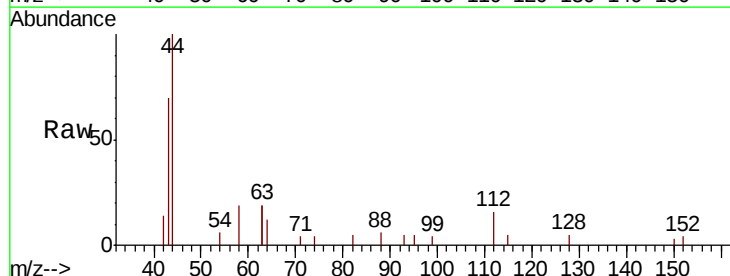
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



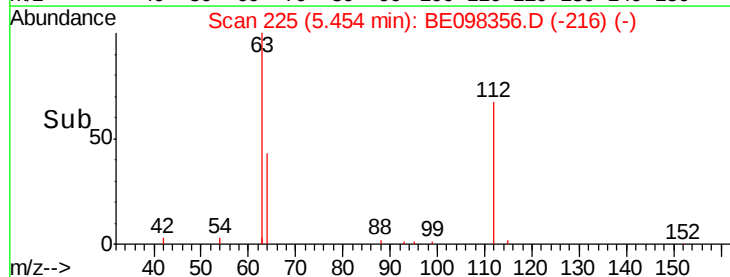
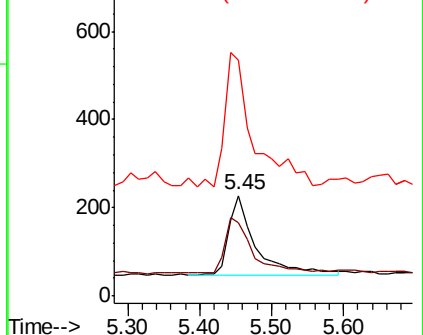
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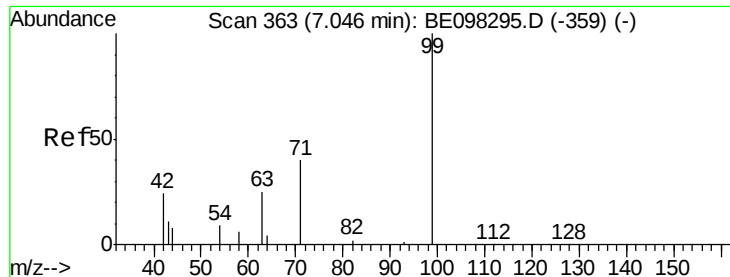
2-Fluorophenol
 Concen: 0.191 ng
 RT: 5.45 min Scan# 225
 Delta R.T. 0.01 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Tgt Ion: 112 Resp: 474
 Ion Ratio Lower Upper
 112 100
 64 69.2 59.8 89.8
 63 182.3 133.7 200.5



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: 0.110 ng

RT: 7.04 min Scan# 363

Delta R.T. -0.00 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

Instrument :

BNA_E

ClientSampled :

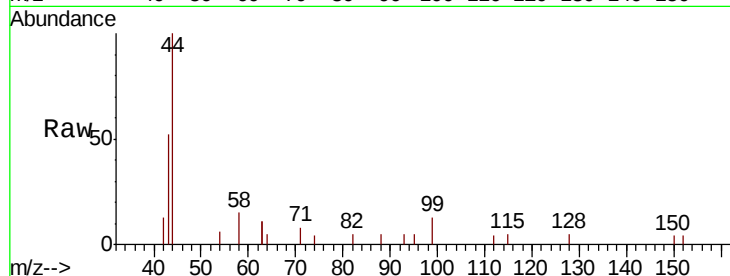
Tot Ion: 99 Resp: 387

Ion Ratio Lower Upper

99 100

42 42.4 26.3 39.5#

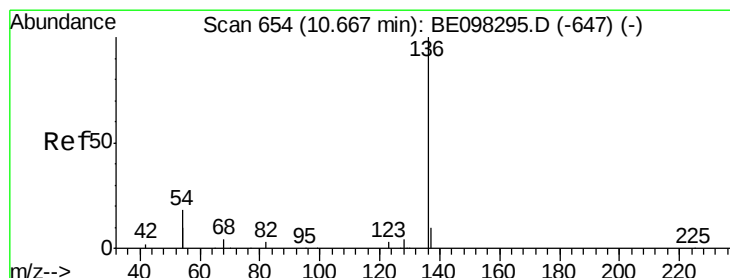
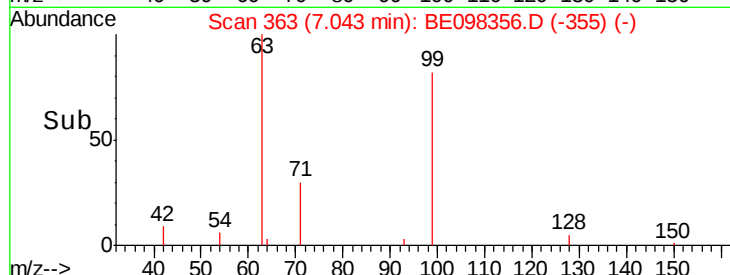
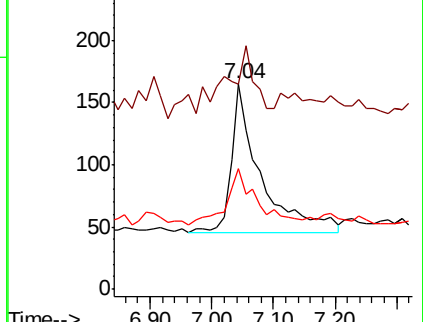
71 39.3 33.6 50.4



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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

Tgt Ion: 136 Resp: 4530

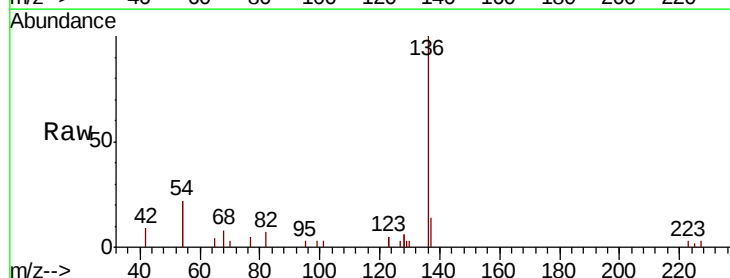
Ion Ratio Lower Upper

136 100

137 13.6 9.2 13.8

54 43.8 28.4 42.6#

68 8.0 5.4 8.0

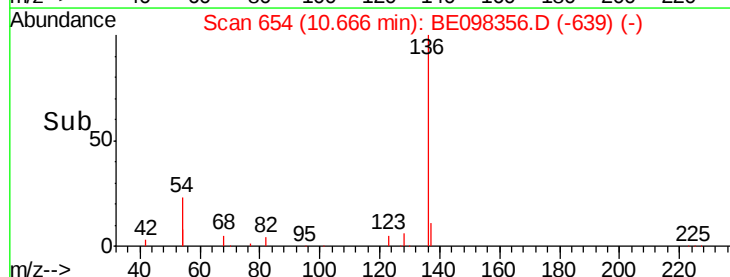
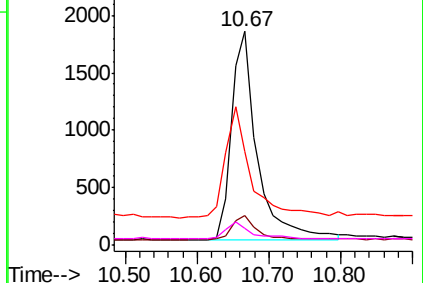


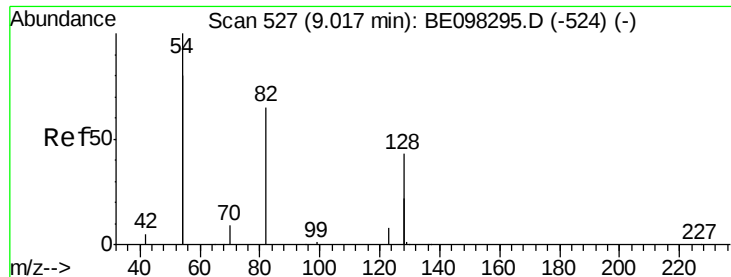
Abundance Ion 136.00 (135.70 to 136.70): E

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

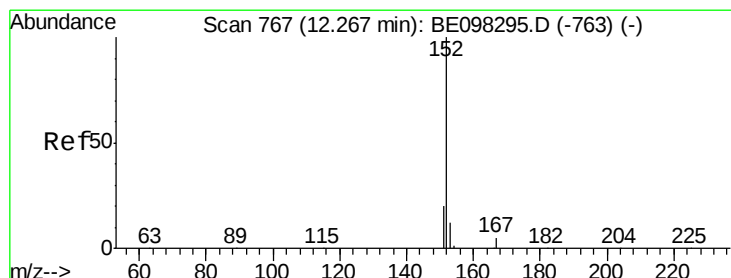
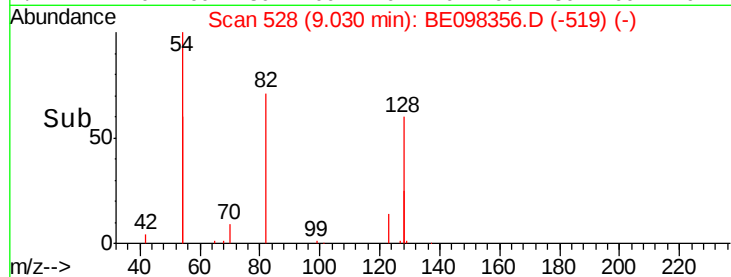
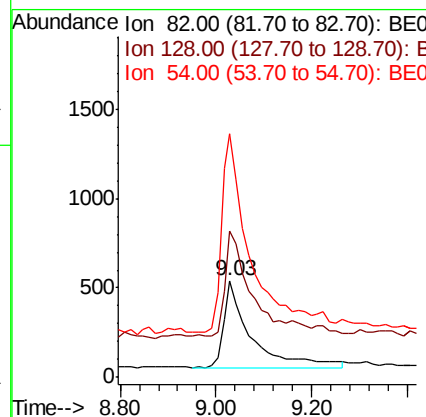
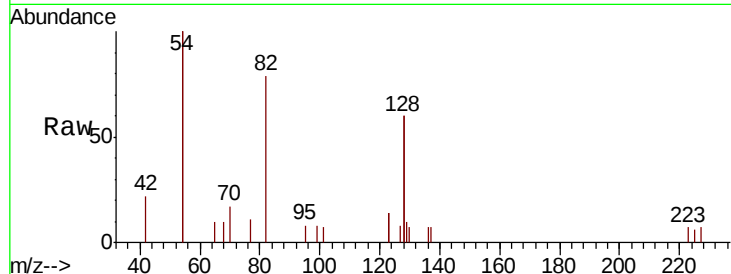




#8
 Nitrobenzene-d5
 Concen: 0.479 ng
 RT: 9.03 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

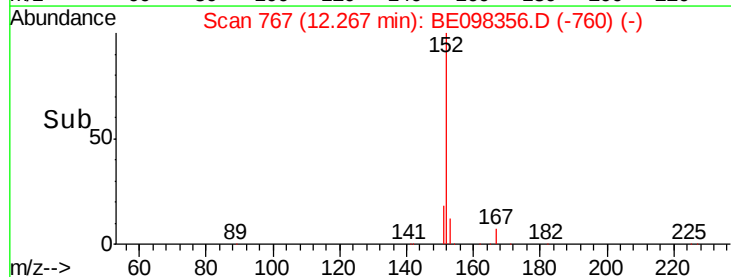
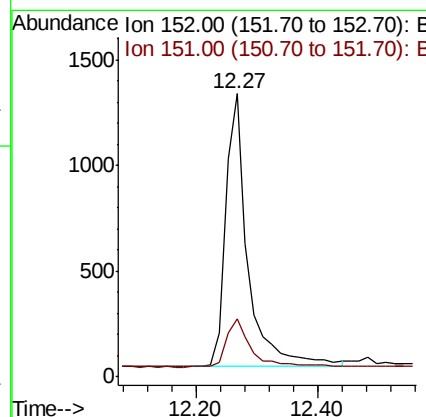
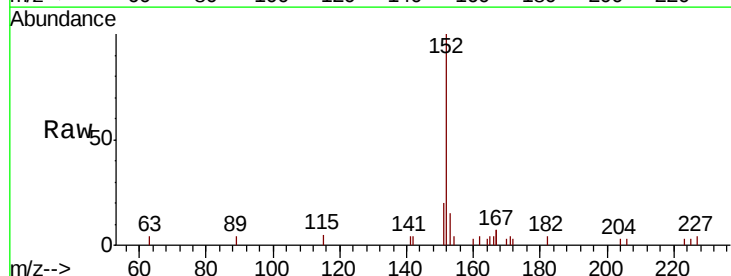
Instrument :
 BNA_E
 ClientSampleId :

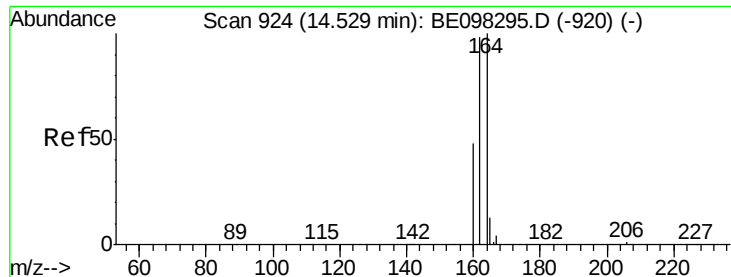
Tot Ion	82.00	Resp	1974
Ion Ratio	Lower	Upper	
82	100		
128	151.9	102.4	153.6
54	251.8	221.8	332.8



#11
 2-Methylnaphthalene-d10
 Concen: 0.448 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Tgt Ion	152.00	Resp	3301
Ion Ratio	Lower	Upper	
152	100		
151	18.9	16.2	24.4

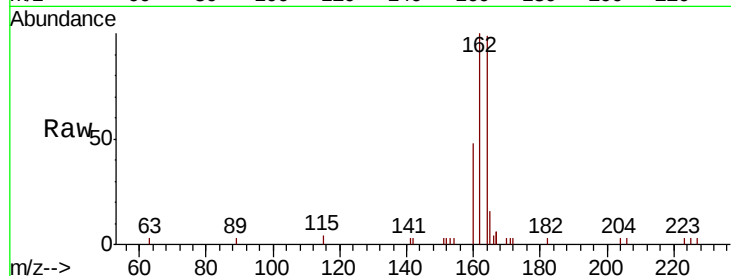




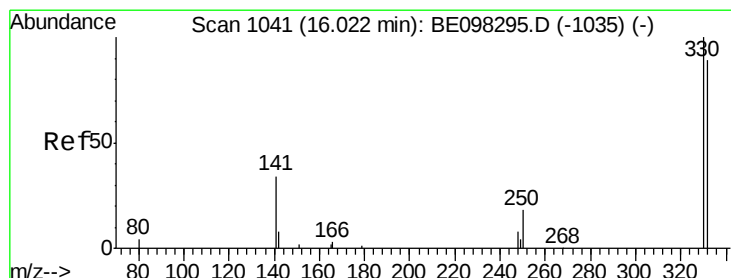
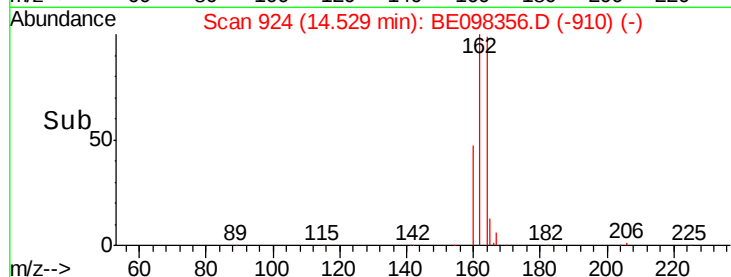
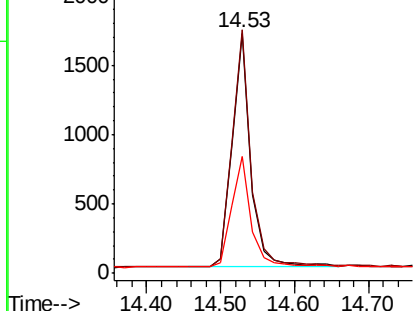
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE098356.D
Acq: 12 Dec 2018 6:02

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 2943
Ion Ratio Lower Upper
164 100
162 101.5 77.6 116.4
160 48.6 36.0 54.0

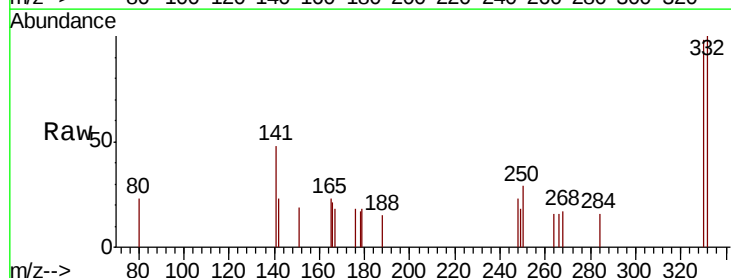


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

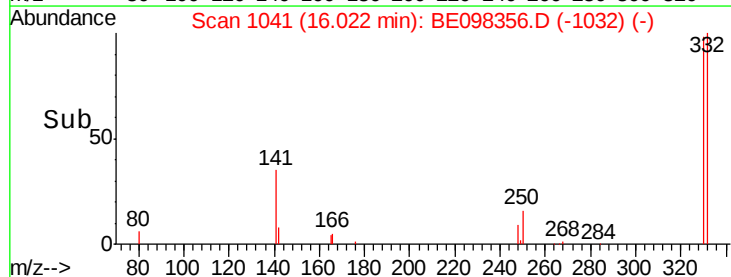
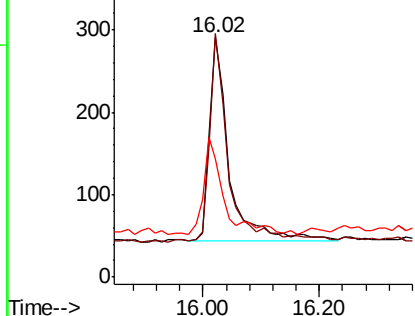


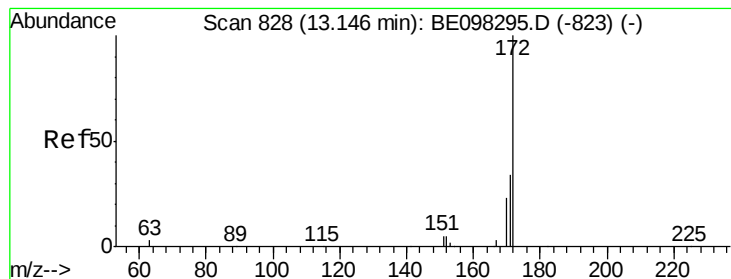
#14
2,4,6-Tribromophenol
Concen: 0.534 ng
RT: 16.02 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BE098356.D
Acq: 12 Dec 2018 6:02

Tgt Ion:330 Resp: 577
Ion Ratio Lower Upper
330 100
332 93.8 76.2 114.4
141 47.0 39.0 58.4



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

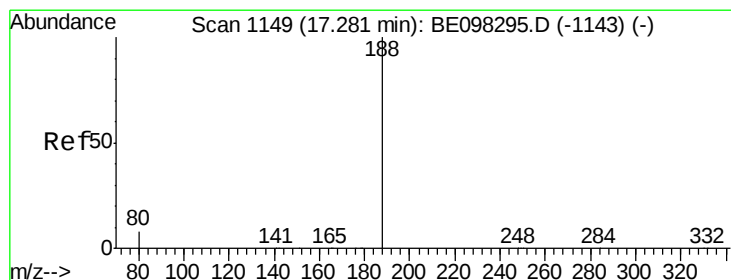
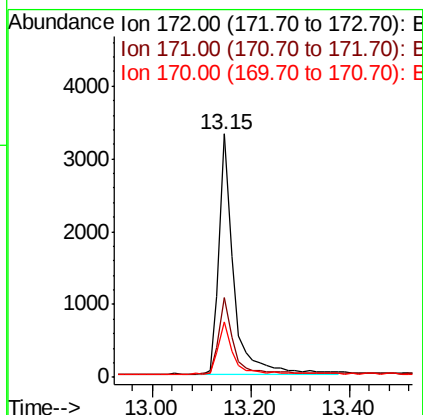
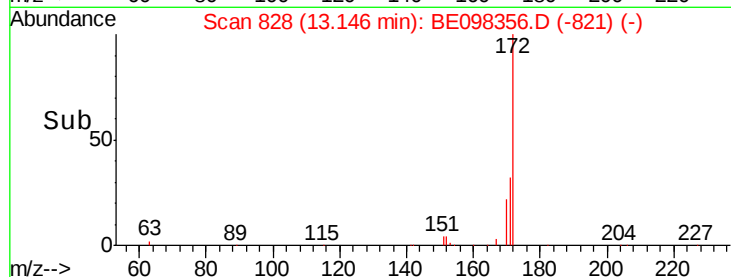
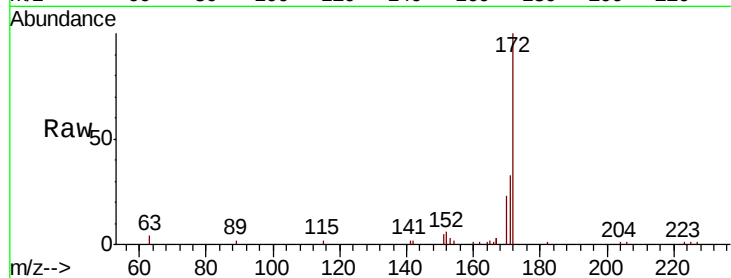




#15
2-Fluorobiphenyl
Concen: 0.539 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE098356.D
Acq: 12 Dec 2018 6:02

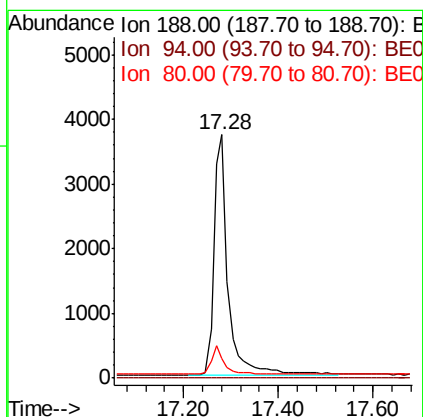
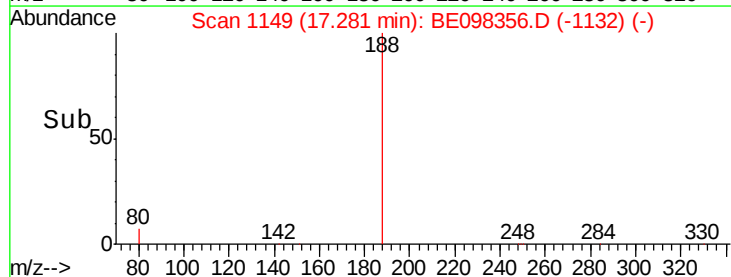
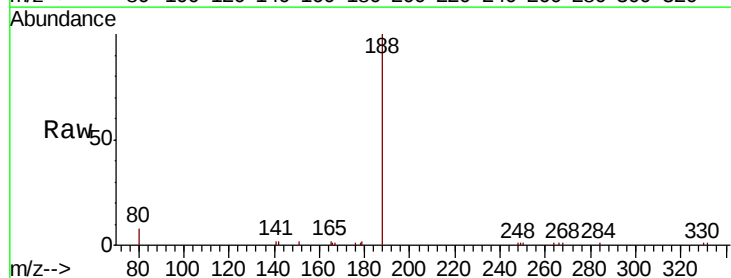
Instrument :
BNA_E
ClientSampleId :

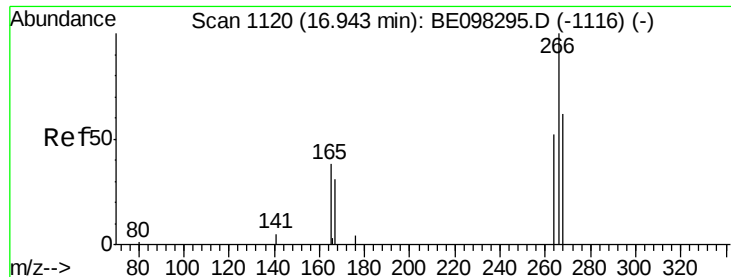
Tot Ion:172 Resp: 6686
Ion Ratio Lower Upper
172 100
171 33.0 27.5 41.3
170 23.0 19.6 29.4



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098356.D
Acq: 12 Dec 2018 6:02

Tgt Ion:188 Resp: 7915
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.3 7.2 10.8

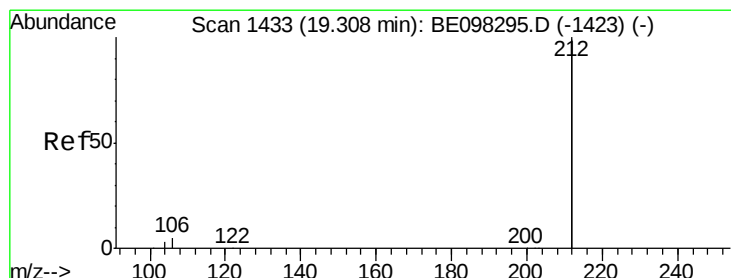
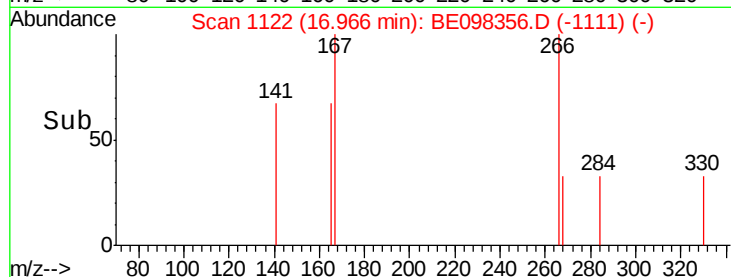
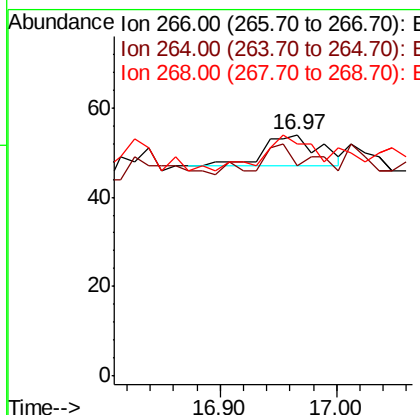
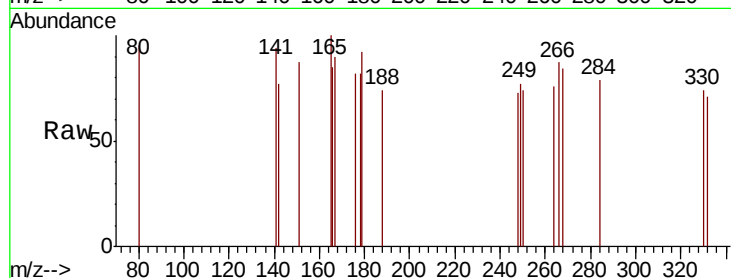




#22
 Pentachlorophenol
 Concen: 0.049 ng
 RT: 16.97 min Scan# 1122
 Delta R.T. 0.02 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

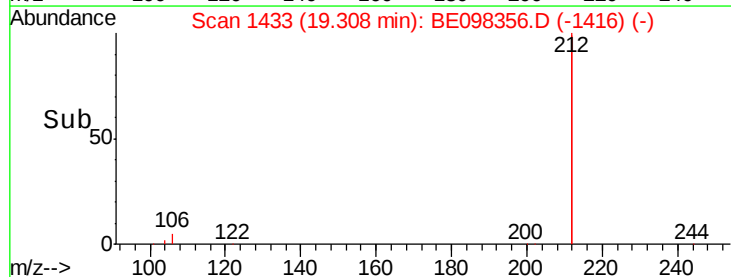
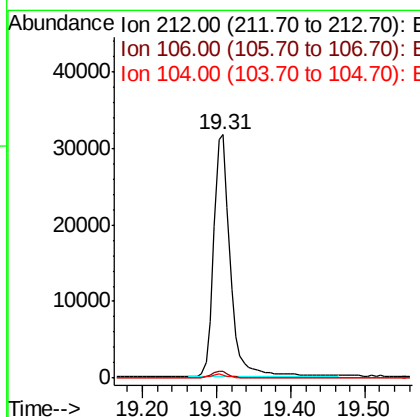
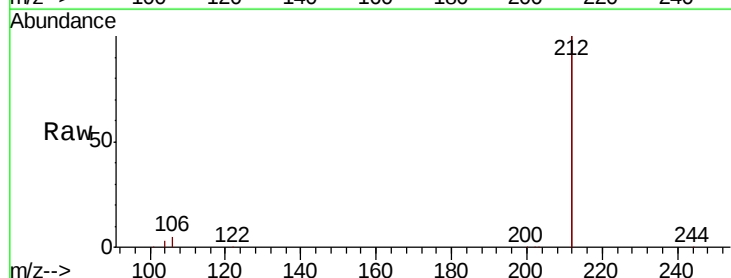
Instrument :
 BNA_E
 ClientSampleId :

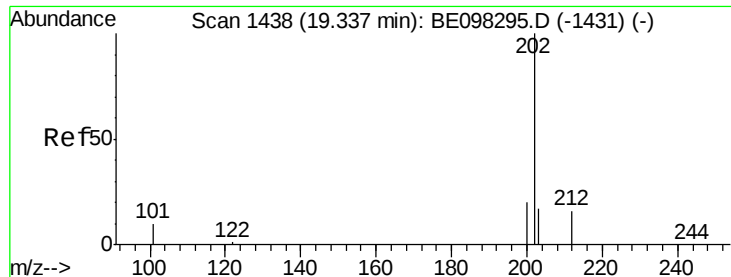
Tot Ion:266 Resp: 23
 Ion Ratio Lower Upper
 266 100
 264 87.0 59.0 88.4
 268 96.3 55.1 82.7#



#25
 Fluoranthene-d10
 Concen: 0.488 ng
 RT: 19.31 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Tgt Ion:212 Resp: 49574
 Ion Ratio Lower Upper
 212 100
 106 2.7 2.2 3.2
 104 1.5 1.3 1.9

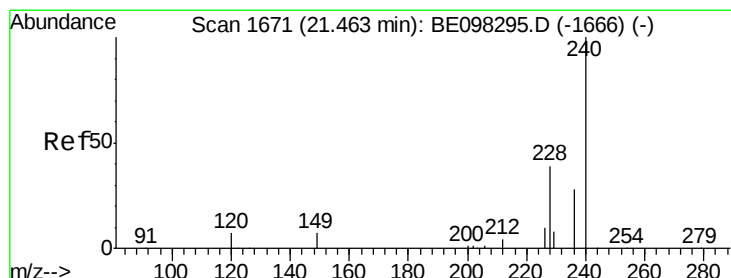
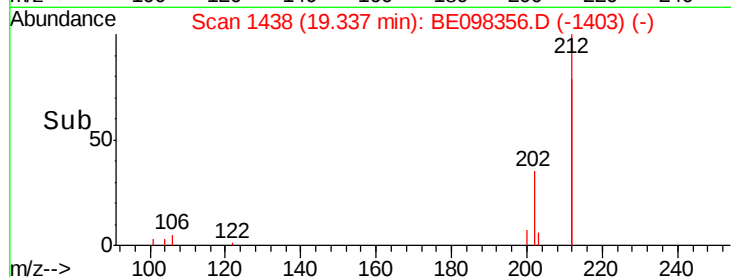
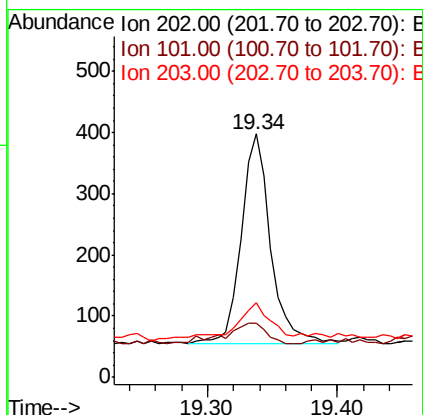
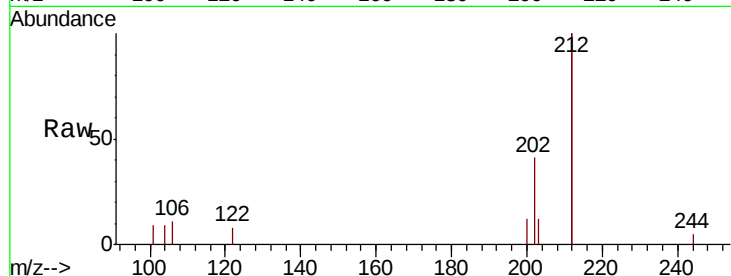




#26
 Fluoranthene
 Concen: 0.021 ng
 RT: 19.34 min Scan# 1438
 Delta R.T. 0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

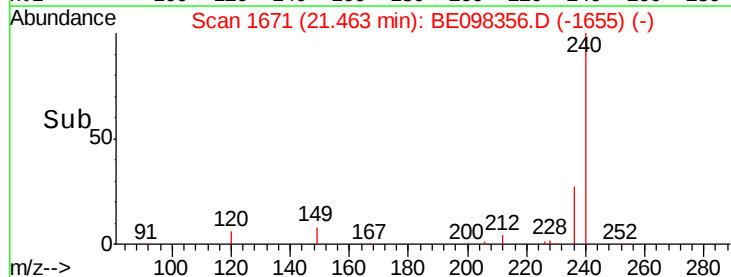
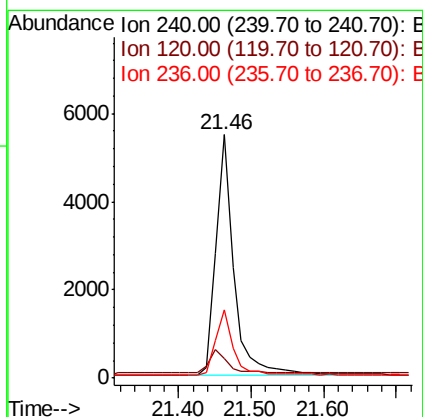
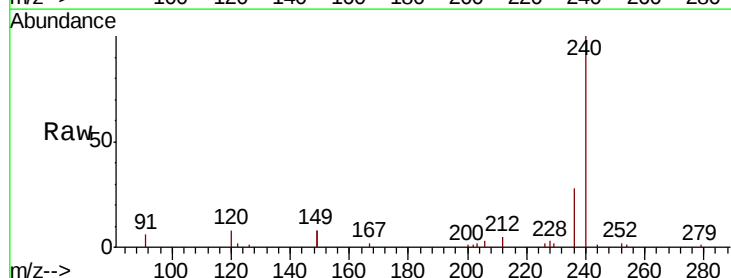
Instrument :
 BNA_E
 ClientSampled :

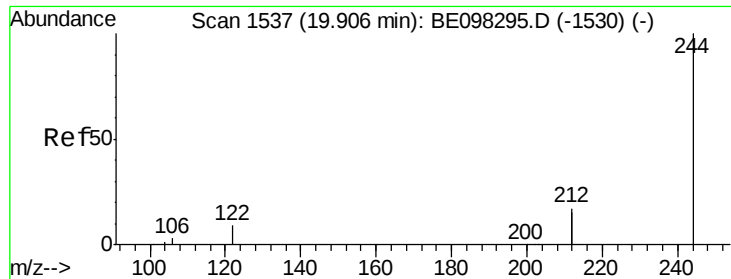
Tot Ion:202 Resp: 543
 Ion Ratio Lower Upper
 202 100
 101 14.9 8.0 12.0#
 203 22.1 13.8 20.6#



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Tgt Ion:240 Resp: 9472
 Ion Ratio Lower Upper
 240 100
 120 8.2 9.5 14.3#
 236 28.0 22.7 34.1





#29

Terphenyl-d14

Concen: 0.608 ng

RT: 19.90 min Scan# 1536

Delta R.T. -0.01 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

Instrument :

BNA_E

ClientSampleId :

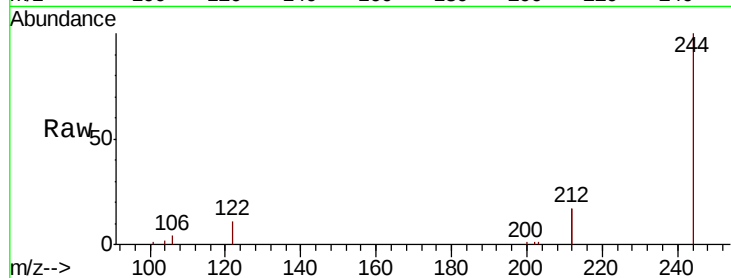
Tot Ion:244 Resp: 13985

Ion Ratio Lower Upper

244 100

212 34.7 27.4 41.0

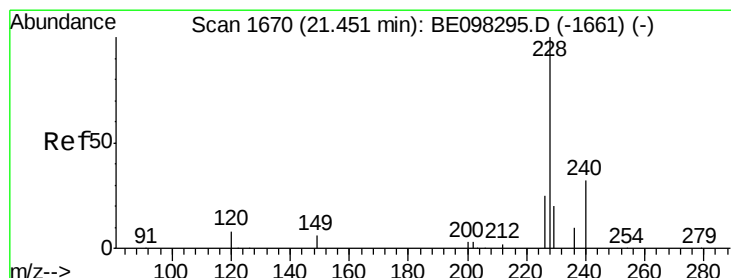
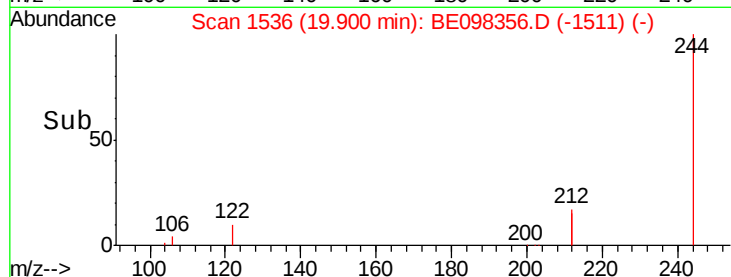
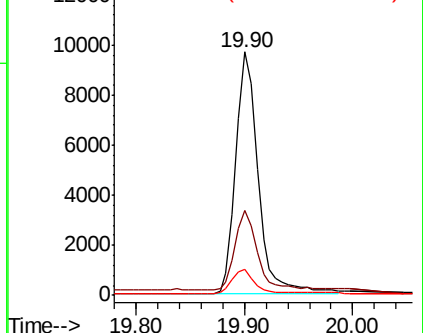
122 10.6 8.3 12.5



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



#30

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.45 min Scan# 1670

Delta R.T. -0.00 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

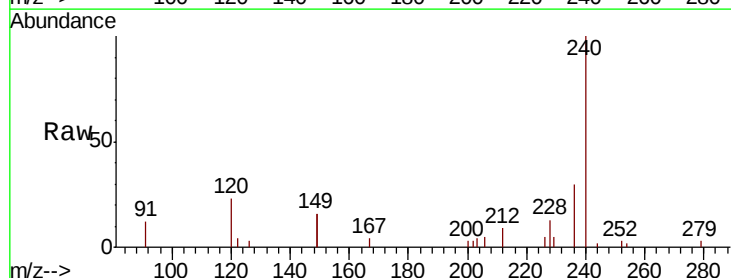
Tgt Ion:228 Resp: 594

Ion Ratio Lower Upper

228 100

226 37.7 21.8 32.8#

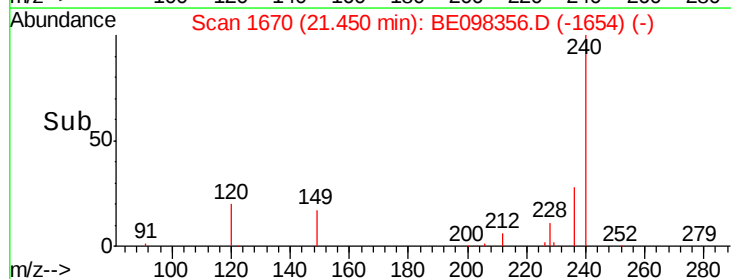
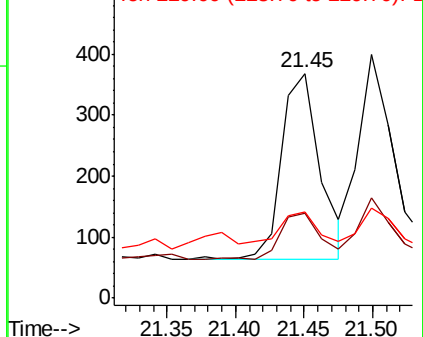
229 38.2 16.3 24.5#

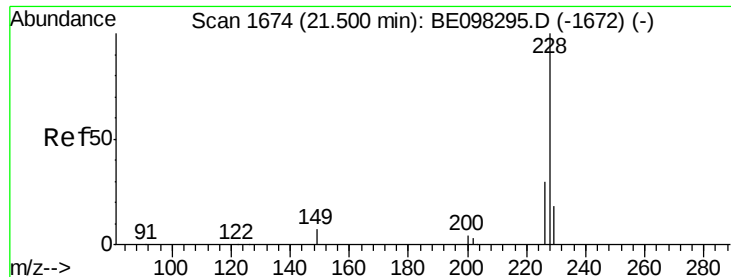


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

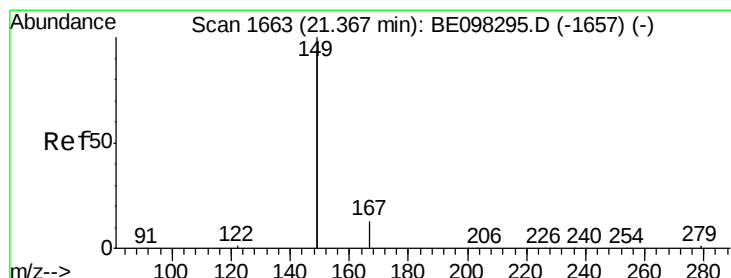
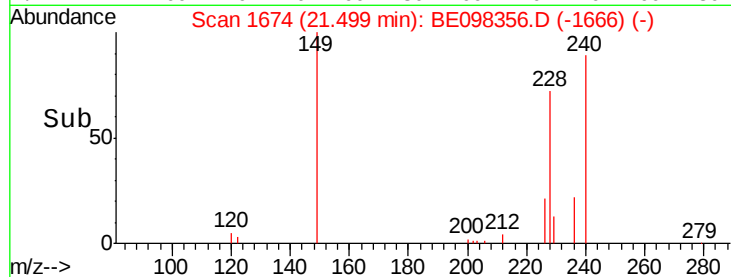
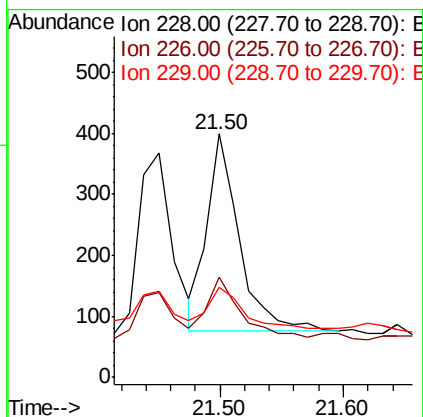
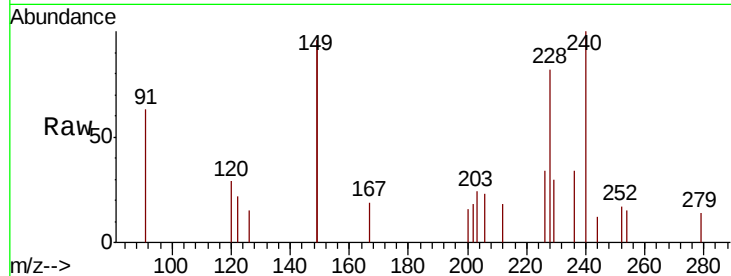




#31
 Chrysene
 Concen: 0.021 ng
 RT: 21.50 min Scan# 1674
 Delta R.T. -0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

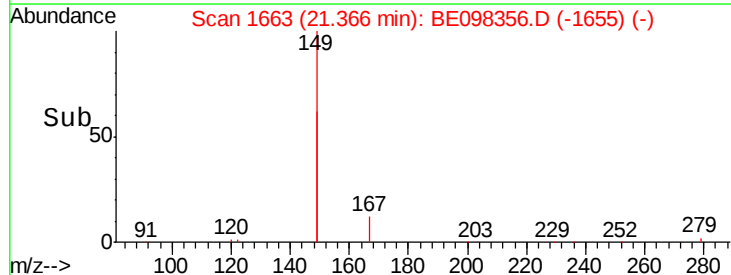
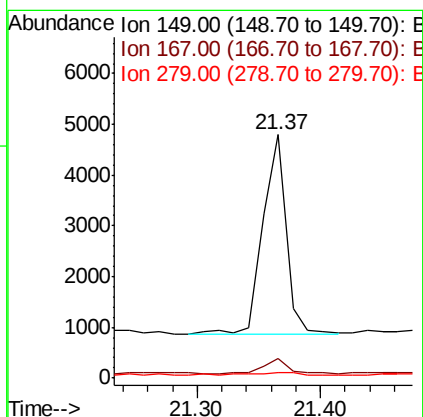
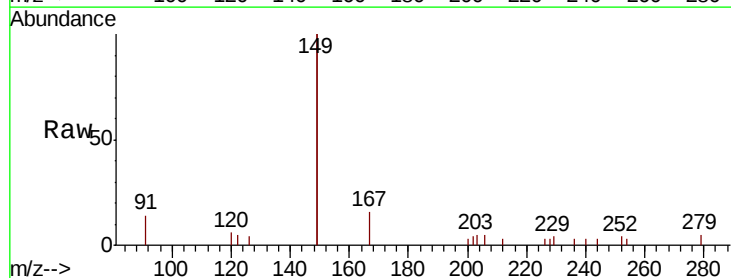
Instrument :
 BNA_E
 ClientSampled :

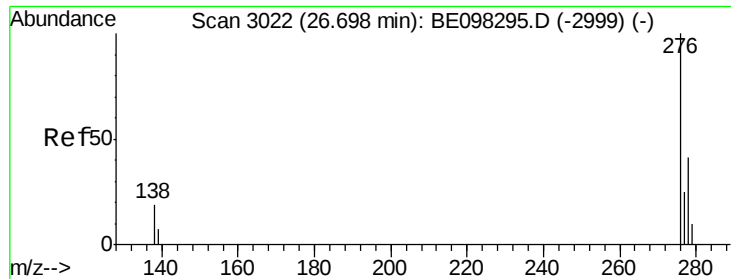
Tot Ion:228 Resp: 589
 Ion Ratio Lower Upper
 228 100
 226 41.1 23.4 35.0#
 229 36.8 16.2 24.4#



#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.096 ng
 RT: 21.37 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Tgt Ion:149 Resp: 5258
 Ion Ratio Lower Upper
 149 100
 167 7.6 5.7 8.5
 279 1.6 1.0 1.4#

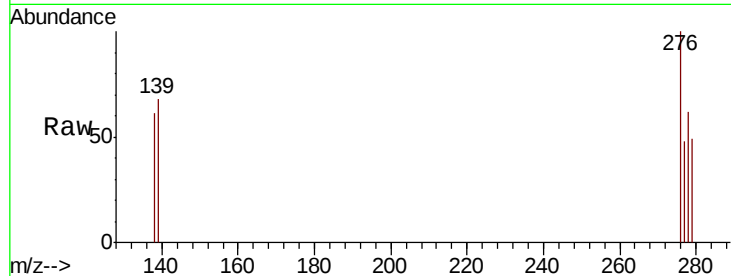




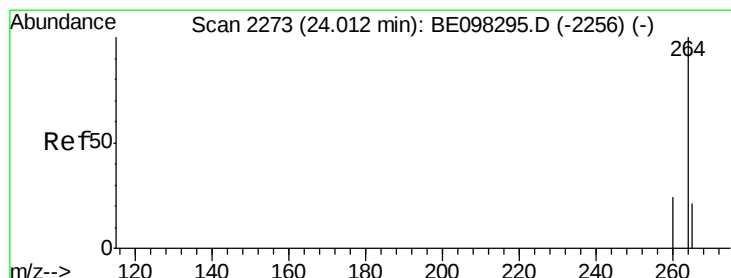
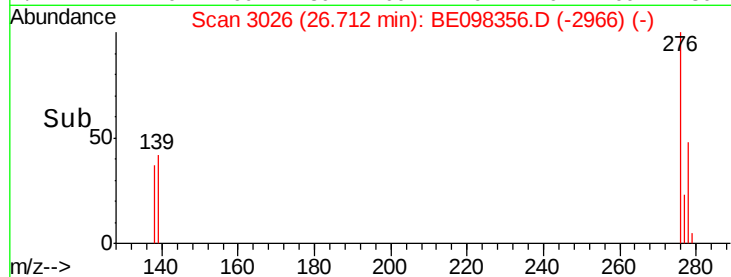
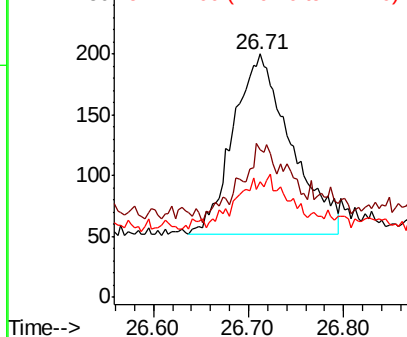
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.022 ng
 RT: 26.71 min Scan# 3026
 Delta R.T. 0.01 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 624
 Ion Ratio Lower Upper
 276 100
 138 26.4 16.3 24.5#
 277 10.6 20.2 30.4#

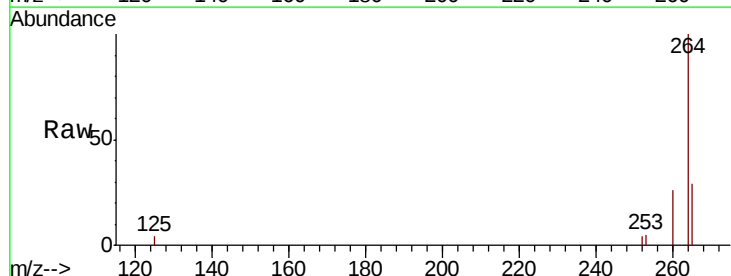


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

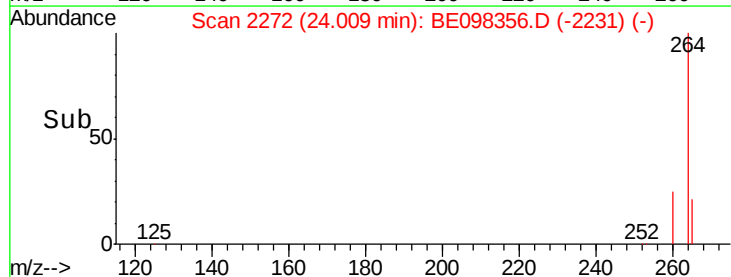
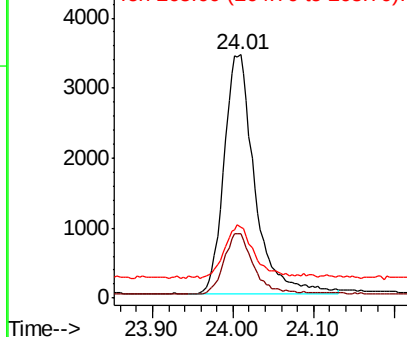


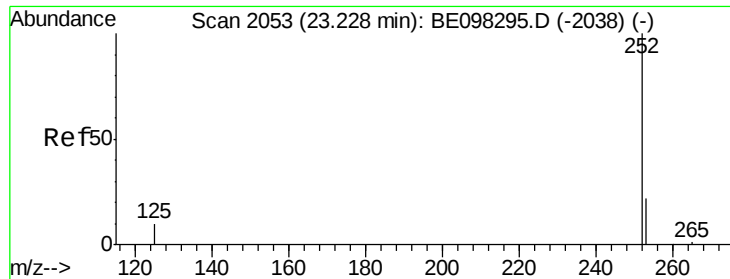
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.01 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: BE098356.D
 Acq: 12 Dec 2018 6:02

Tgt Ion:264 Resp: 9088
 Ion Ratio Lower Upper
 264 100
 260 26.4 20.2 30.2
 265 29.2 25.2 37.8



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: 0.024 ng

RT: 23.23 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

Instrument :

BNA_E

ClientSampleId :

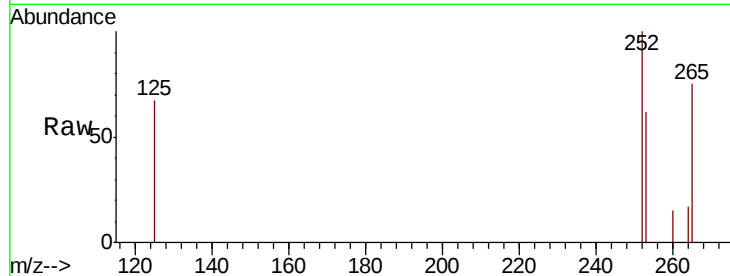
Tot Ion:252 Resp: 589

Ion Ratio Lower Upper

252 100

253 62.2 20.0 30.0#

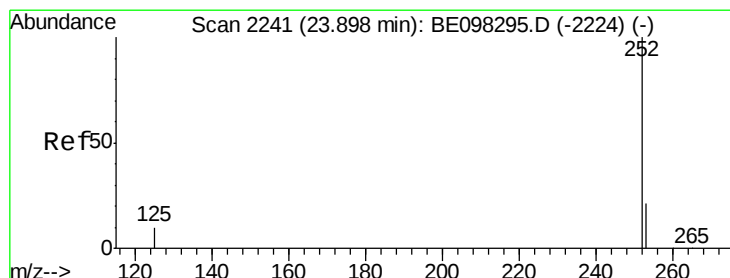
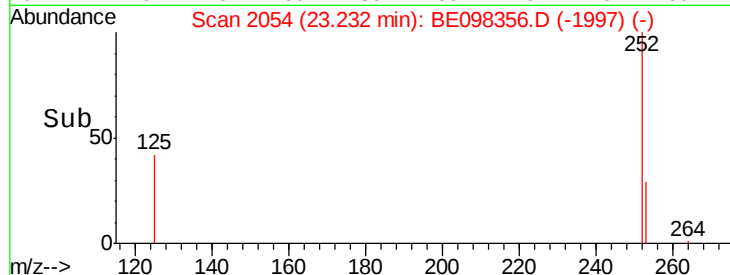
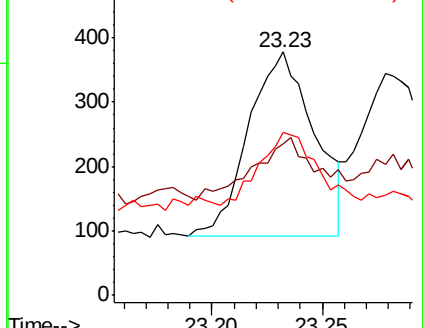
125 66.9 9.6 14.4#



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



#37

Benzo(a)pyrene

Concen: 0.021 ng

RT: 23.90 min Scan# 2240

Delta R.T. -0.00 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

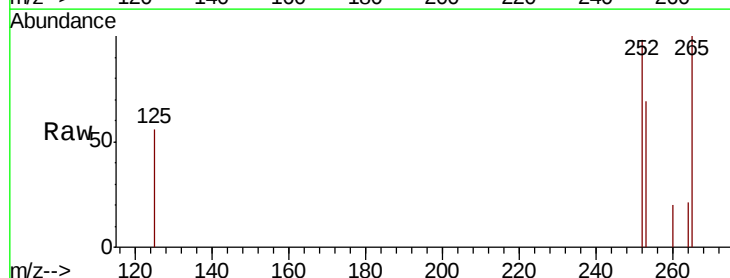
Tgt Ion:252 Resp: 544

Ion Ratio Lower Upper

252 100

253 69.9 20.6 30.8#

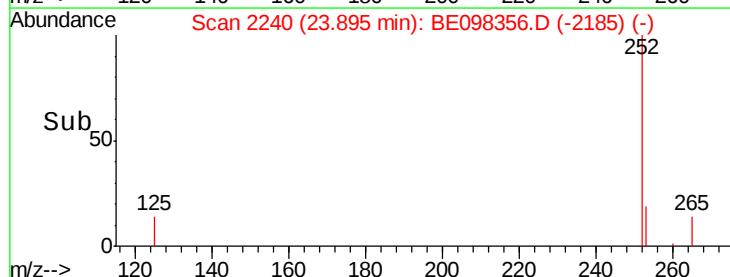
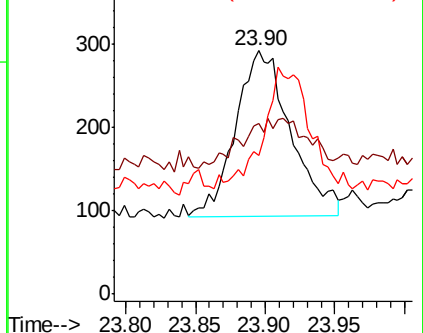
125 56.8 10.5 15.7#

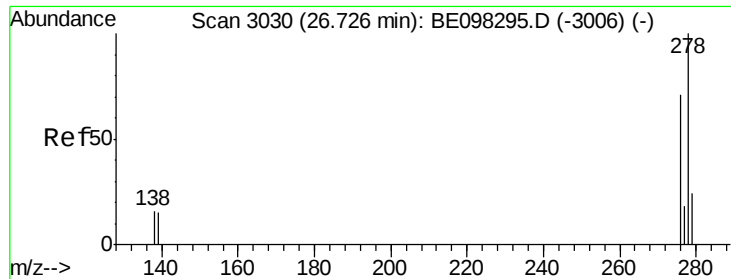


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.020 ng

RT: 26.73 min Scan# 3032

Delta R.T. 0.01 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

Instrument :

BNA_E

ClientSampleId :

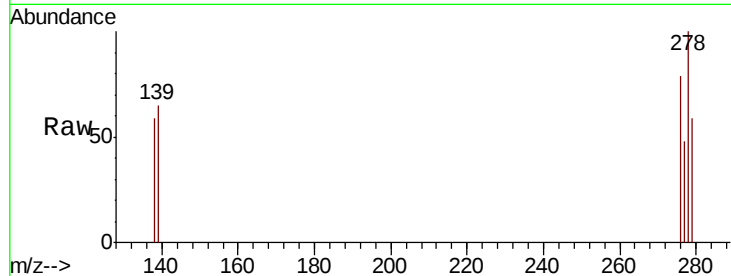
Tot Ion:278 Resp: 490

Ion Ratio Lower Upper

278 100

139 65.4 14.5 21.7#

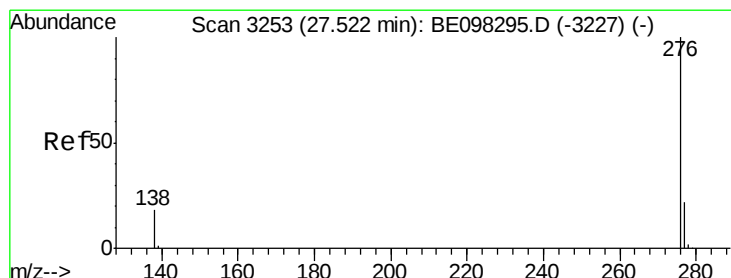
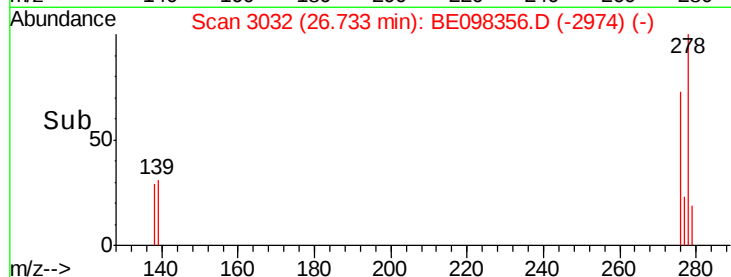
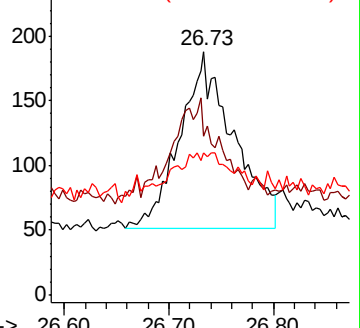
279 58.5 21.8 32.8#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.023 ng

RT: 27.53 min Scan# 3256

Delta R.T. 0.01 min

Lab File: BE098356.D

Acq: 12 Dec 2018 6:02

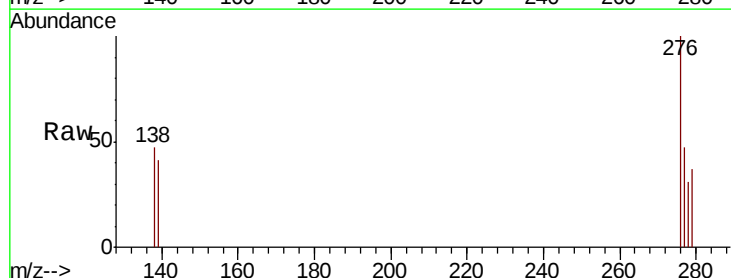
Tgt Ion:276 Resp: 562

Ion Ratio Lower Upper

276 100

277 47.2 20.8 31.2#

138 47.2 15.8 23.6#



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

