

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE110719\
 Data File : BE100705.D
 Acq On : 7 Nov 2019 17:20
 Operator : JU
 Sample : K5725-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SO-3MSD

Quant Time: Nov 08 06:21:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	4395	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	24208	0.40	ng	0.01
13) Acenaphthene-d10	14.51	164	37431	0.40	ng	0.04
19) Phenanthrene-d10	17.25	188	27861	0.40	ng	0.05
27) Chrysene-d12	21.38	240	24023	0.40	ng	0.02
34) Perylene-d12	23.86	264	31716	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	3048	0.22	ng	0.00
5) Phenol-d6	7.01	99	6748	0.35	ng	0.00
8) Nitrobenzene-d5	9.00	82	101382	6.76	ng	0.01
11) 2-Methylnaphthalene-d10	12.25	152	26813	0.70	ng	0.03
14) 2,4,6-Tribromophenol	16.01	330	788	0.08	ng	0.07
15) 2-Fluorobiphenyl	13.19	172	5987	0.04	ng	0.09
25) Fluoranthene-d10	19.26	212	513973	1.43	ng	0.05
29) Terphenyl-d14	19.84	244	25742	0.49	ng	0.03

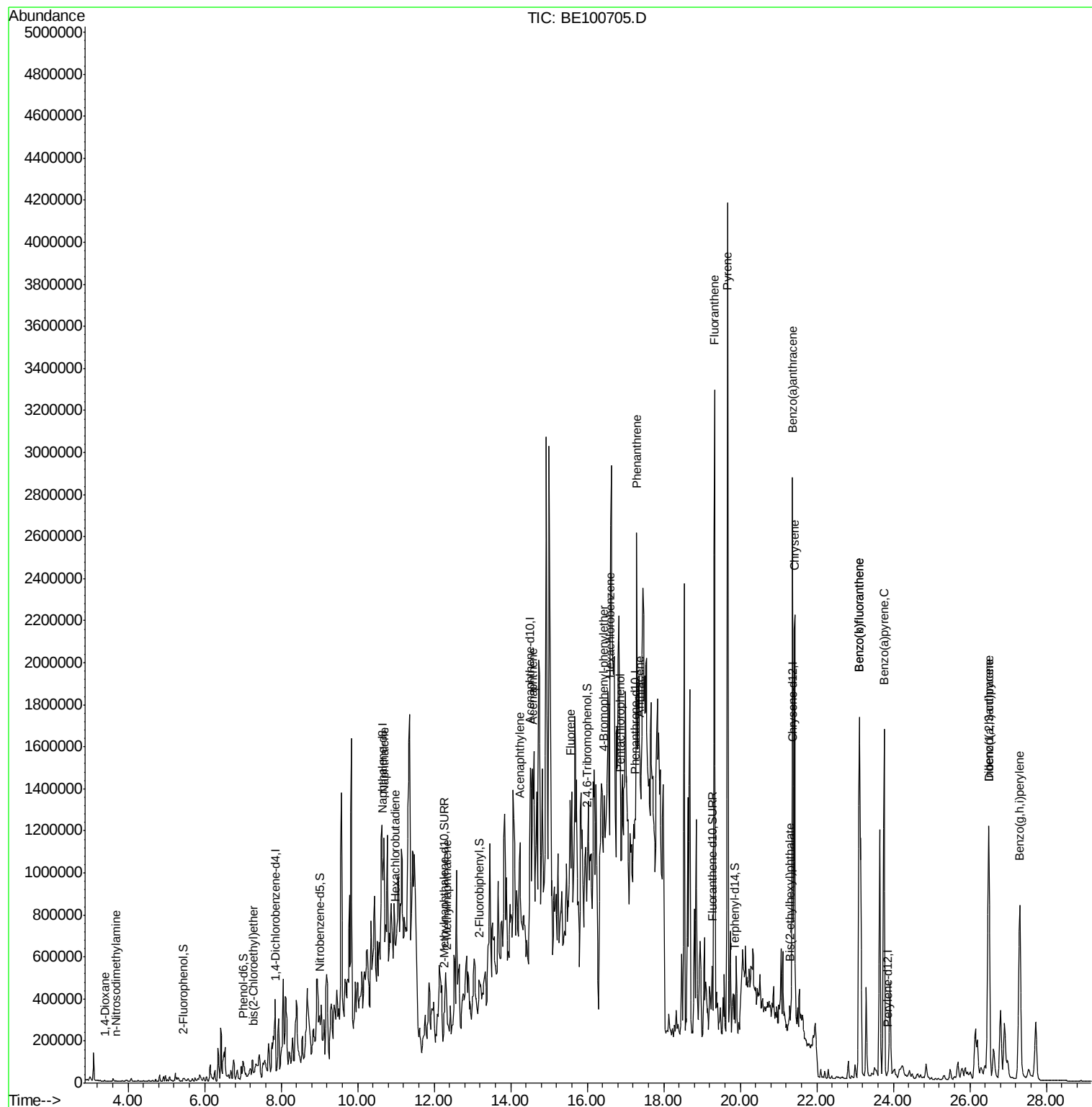
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.38	88	1166	0.149	ng	# 53
3) n-Nitrosodimethylamine	3.68	42	1441	0.174	ng	# 86
6) bis(2-Chloroethyl)ether	7.27	93	6635	0.422	ng	# 1
9) Naphthalene	10.69	128	1075254	4.224	ng	# 95
10) Hexachlorobutadiene	10.99	225	2040	0.184	ng	# 97
12) 2-Methylnaphthalene	12.32	142	142000	3.273	ng	# 42
16) Acenaphthylene	14.24	152	226686	1.407	ng	# 28
17) Acenaphthene	14.57	154	200355	1.925	ng	# 65
18) Fluorene	15.55	166	563737	4.078	ng	# 59
20) 4-Bromophenyl-phenylether	16.44	248	8994	0.634	ng	# 1
21) Hexachlorobenzene	16.60	284	2748	0.203	ng	# 40
22) Pentachlorophenol	16.87	266	1770	0.407	ng	# 8
23) Phenanthrene	17.29	178	2068145	26.987	ng	# 72
24) Anthracene	17.37	178	376936	5.301	ng	# 83
26) Fluoranthene	19.33	202	3329838	33.292	ng	# 98
28) Pyrene	19.67	202	4092693	60.978	ng	# 85
30) Benzo(a)anthracene	21.37	228	2553516	32.585	ng	# 92
31) Chrysene	21.43	228	2155257	27.520	ng	# 94
32) Bis(2-ethylhexyl)phthalate	21.29	149	91899	0.561	ng	# 93
33) Indeno(1,2,3-cd)pyrene	26.49	276	2363713	24.558	ng	# 95
35) Benzo(b)fluoranthene	23.11	252	3601840	38.947	ng	# 99
36) Benzo(k)fluoranthene	23.11	252	3601840	37.869	ng	# 94
37) Benzo(a)pyrene	23.76	252	2825147	32.818	ng	# 98
38) Dibenzo(a,h)anthracene	26.50	278	657085	7.385	ng	# 95
39) Benzo(g,h,i)perylene	27.30	276	2231354	24.935	ng	# 99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

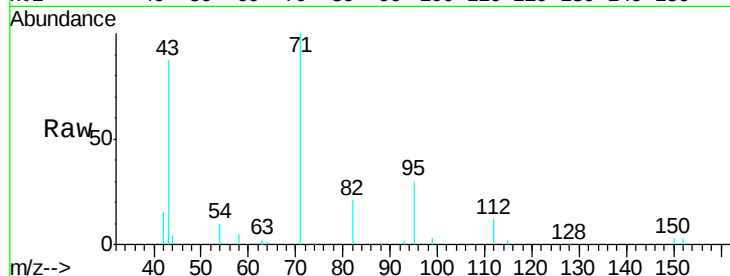
Tgt Ion:152 Resp: 4395

Ion Ratio Lower Upper

152 100

150 124.5 123.3 184.9

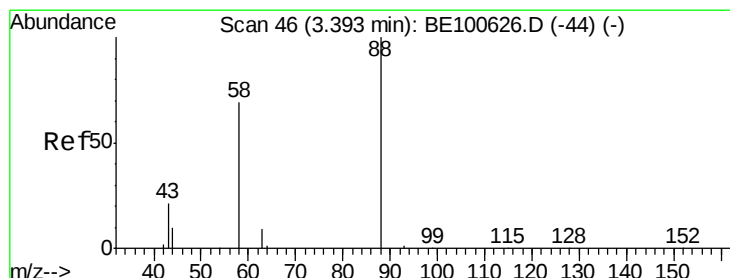
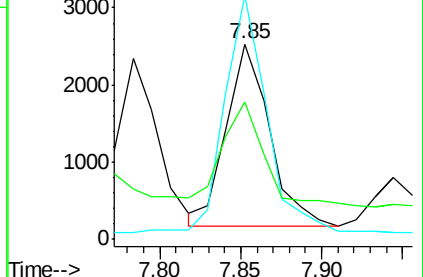
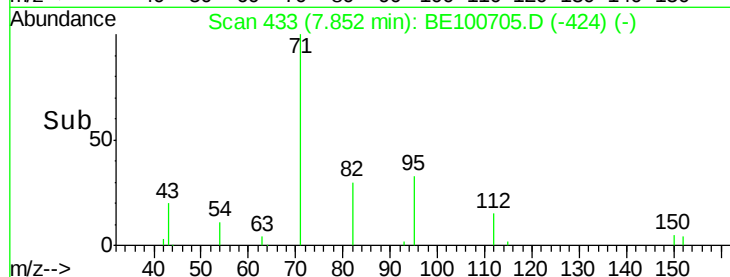
115 70.4 51.9 77.9



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



#2

1,4-Dioxane

Concen: 0.149 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

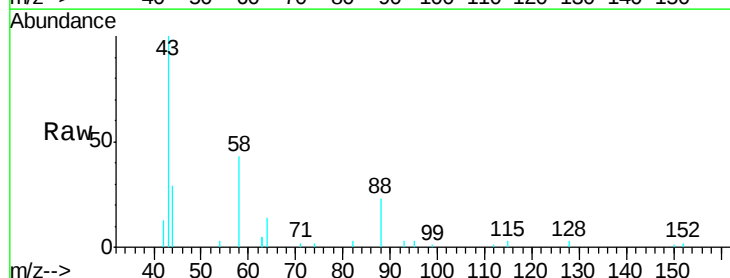
Tgt Ion: 88 Resp: 1166

Ion Ratio Lower Upper

88 100

58 111.1 59.8 89.6#

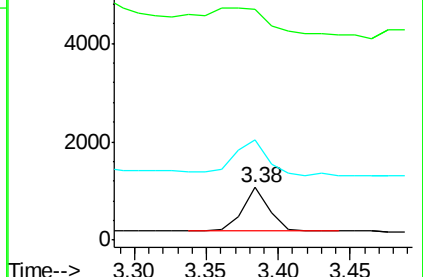
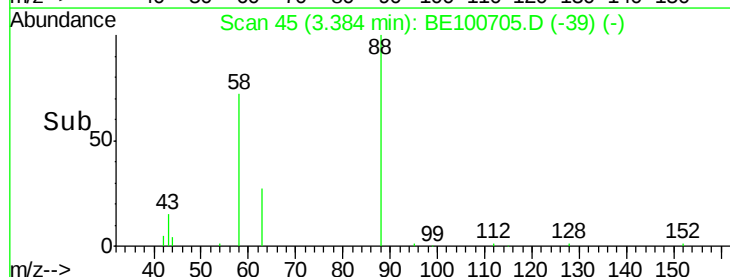
43 0.0 24.6 36.8#

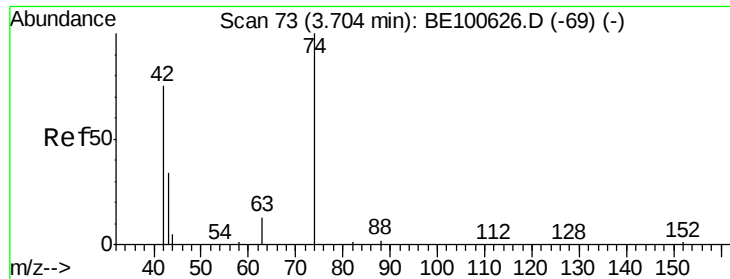


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.174 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

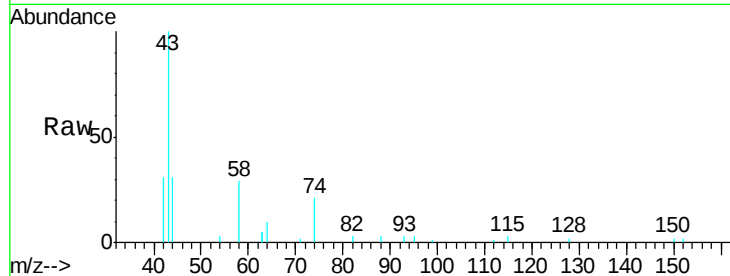
Instrument :

BNA_E

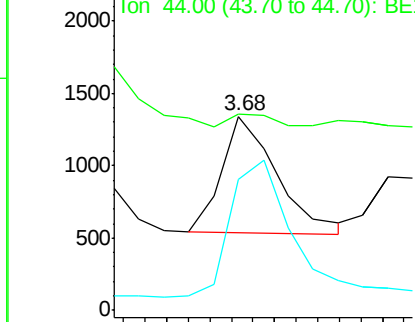
ClientSampled :

SO-3MSD

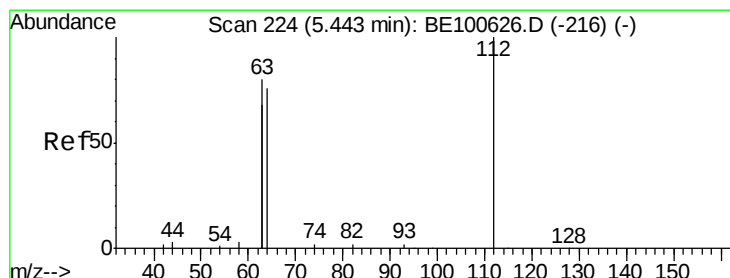
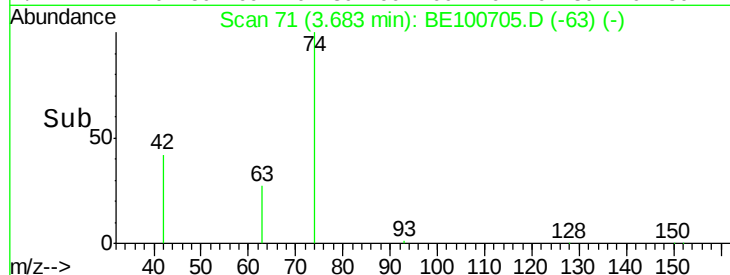
Tgt Ion:	42	Resp:	1441
Ion	Ratio	Lower	Upper
42	100		
74	135.9	97.2	145.8
44	10.5	16.6	24.8#



Abundance Ion 42.00 (41.70 to 42.70): BE1
Ion 74.00 (73.70 to 74.70): BE1
Ion 44.00 (43.70 to 44.70): BE1



Time-->



#4

2-Fluorophenol

Concen: 0.225 ng

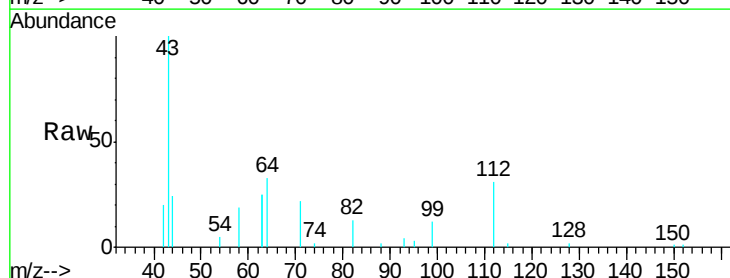
RT: 5.45 min Scan# 224

Delta R.T. 0.00 min

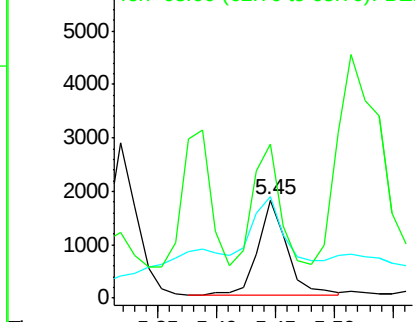
Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

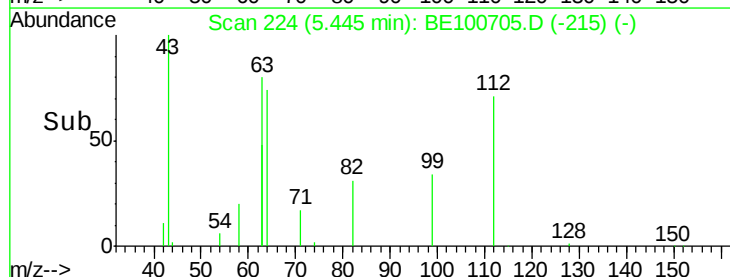
Tgt Ion:	112	Resp:	3048
Ion	Ratio	Lower	Upper
112	100		
64	65.7	55.4	83.2
63	116.3	114.2	171.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1



Time-->





#5

Phenol-d6

Concen: 0.353 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

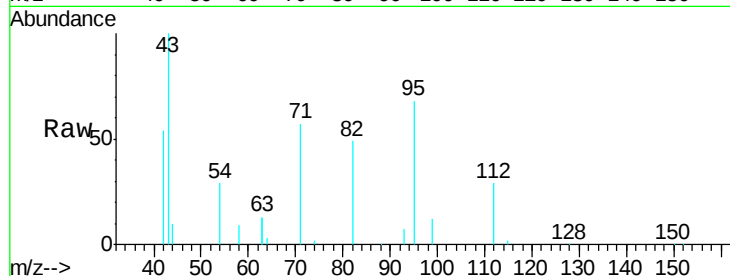
Tgt Ion: 99 Resp: 6748

Ion Ratio Lower Upper

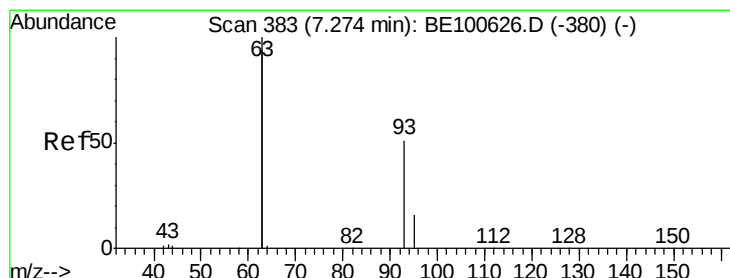
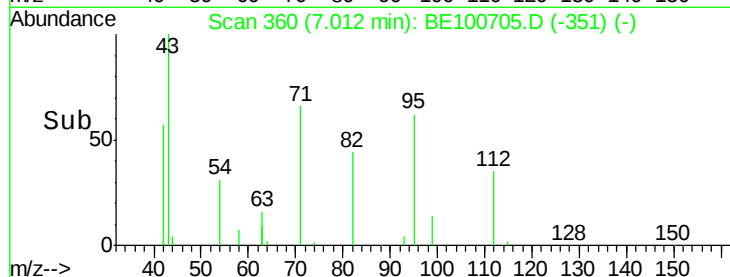
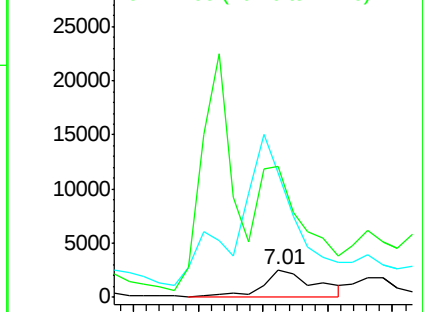
99 100

42 619.6 17.7 26.5#

71 319.0 27.4 41.0#



Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.422 ng

RT: 7.27 min Scan# 382

Delta R.T. -0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

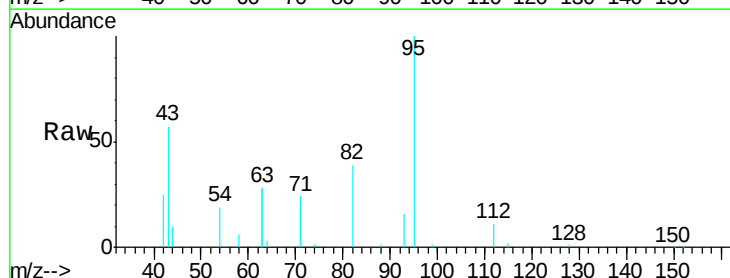
Tgt Ion: 93 Resp: 6635

Ion Ratio Lower Upper

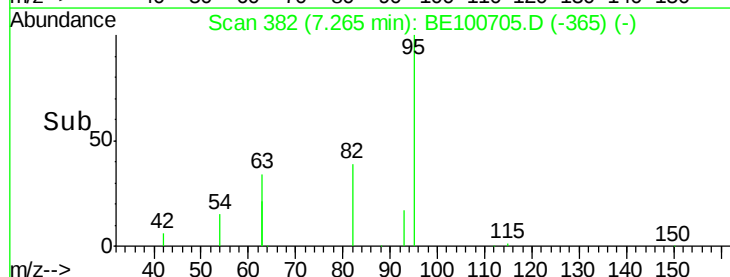
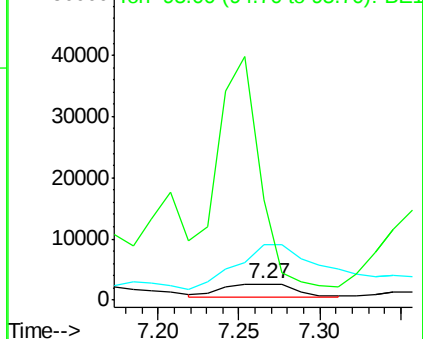
93 100

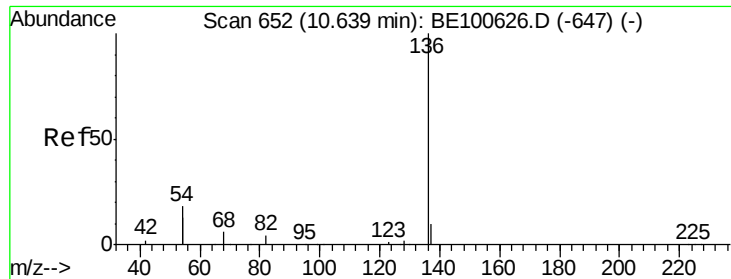
63 520.2 268.8 403.2#

95 1362.6 25.6 38.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.64 min Scan# 652

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

Tgt Ion:136 Resp: 24208

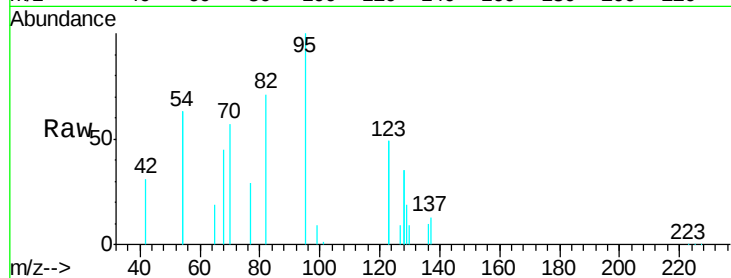
Ion Ratio Lower Upper

136 100

137 127.3 9.2 13.8#

54 1227.6 39.4 59.2#

68 437.2 8.0 12.0#

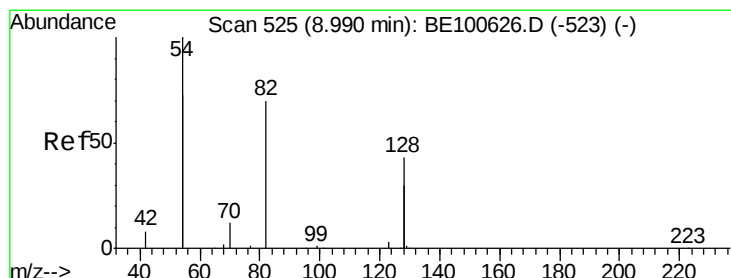
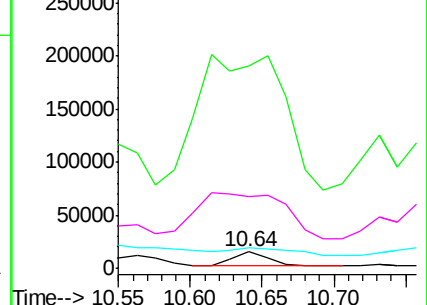
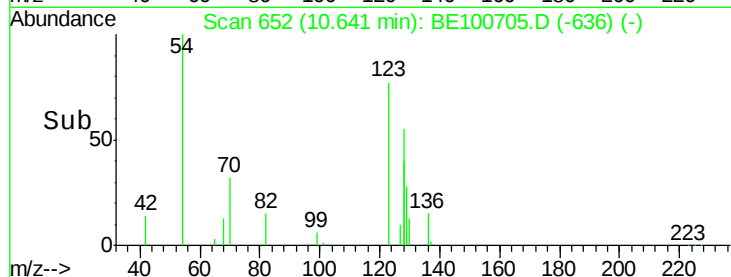


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 6.757 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

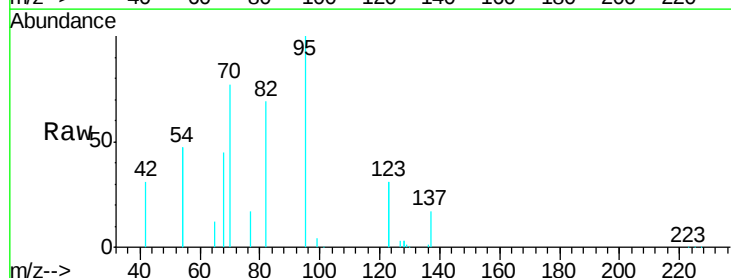
Tgt Ion: 82 Resp: 101382

Ion Ratio Lower Upper

82 100

128 8.7 107.8 161.8#

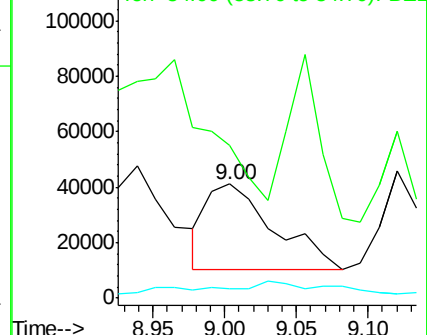
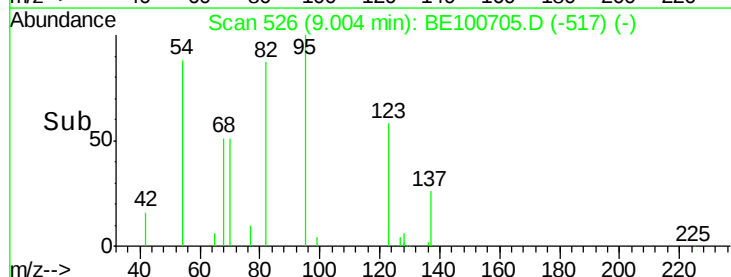
54 134.4 166.1 249.1#



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 4.224 ng

RT: 10.69 min Scan# 656

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

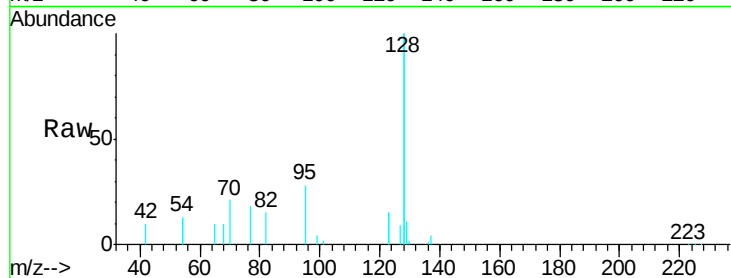
Tgt Ion:128 Resp: 1075254

Ion Ratio Lower Upper

128 100

129 5.3 2.3 3.5#

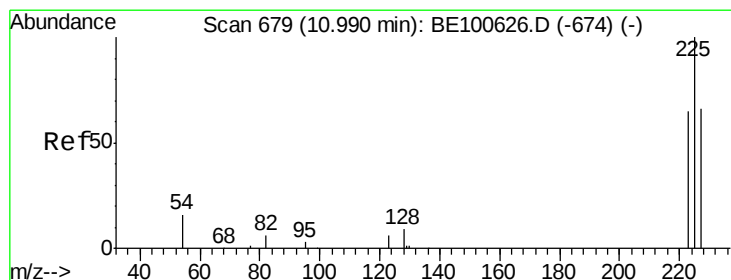
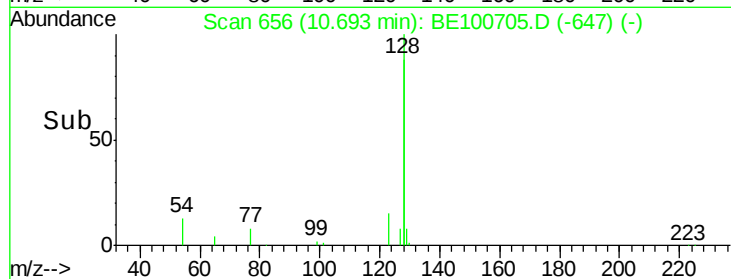
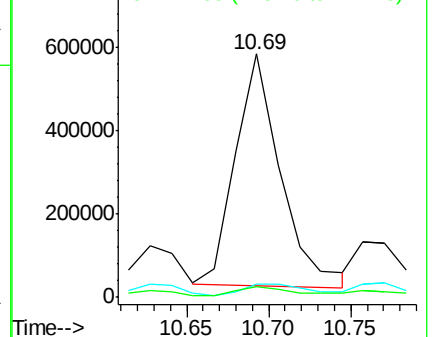
127 4.6 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.184 ng

RT: 10.99 min Scan# 679

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

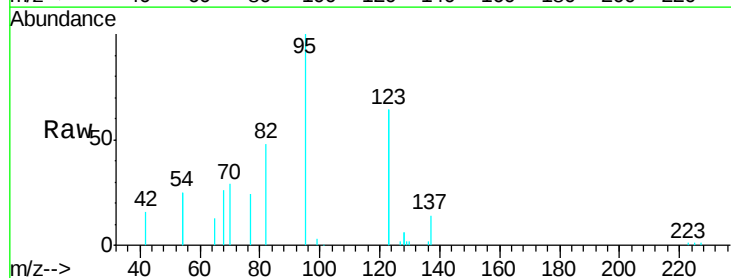
Tgt Ion:225 Resp: 2040

Ion Ratio Lower Upper

225 100

223 63.9 48.6 72.8

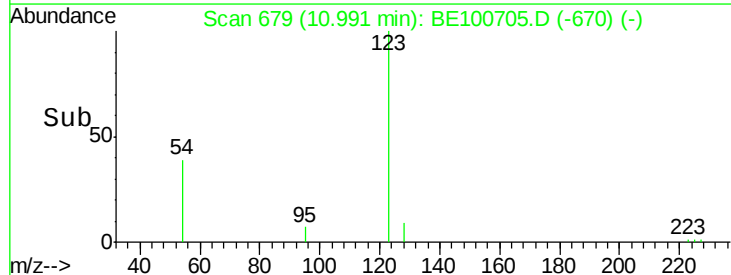
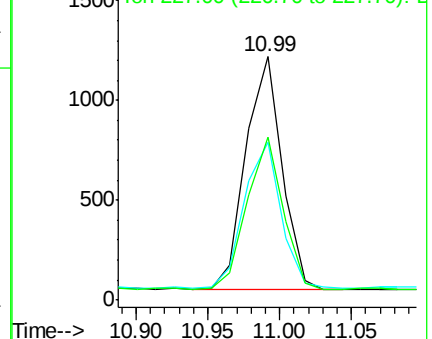
227 65.4 51.6 77.4

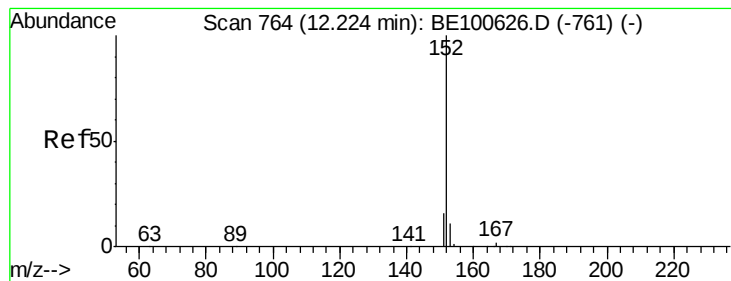


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.702 ng

RT: 12.25 min Scan# 766

Delta R.T. 0.03 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

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ClientSampleId :

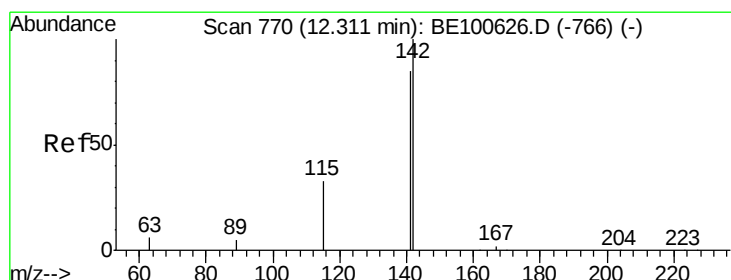
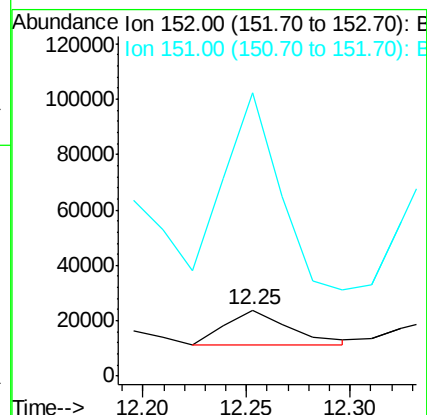
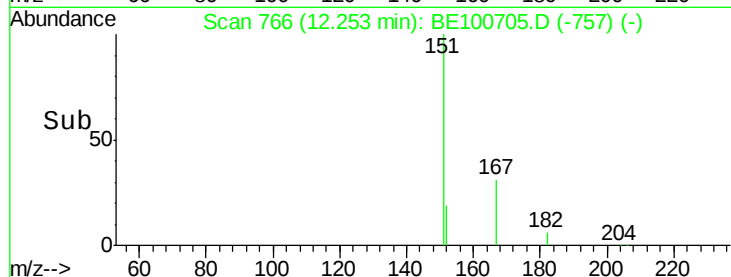
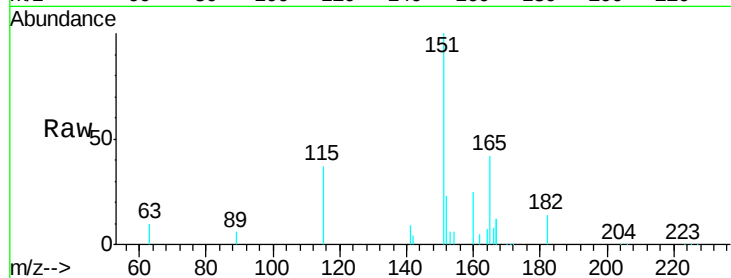
SO-3MSD

Tgt Ion:152 Resp: 26813

Ion Ratio Lower Upper

152 100

151 477.9 14.7 22.1#



#12

2-Methylnaphthalene

Concen: 3.273 ng

RT: 12.32 min Scan# 771

Delta R.T. 0.03 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

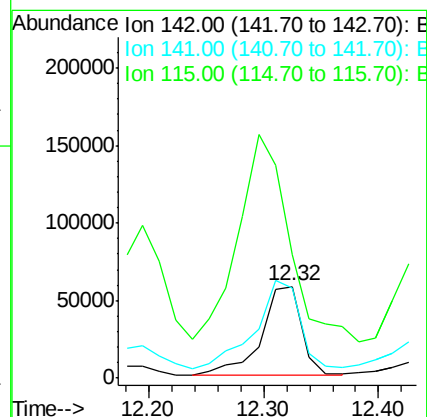
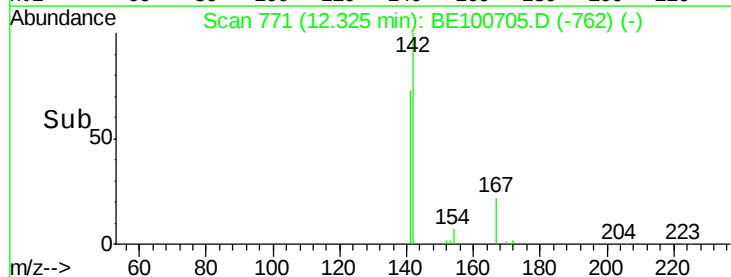
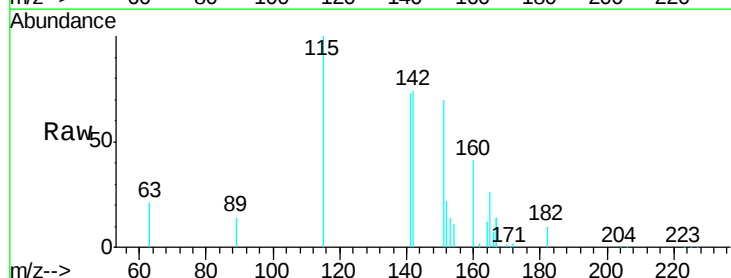
Tgt Ion:142 Resp: 142000

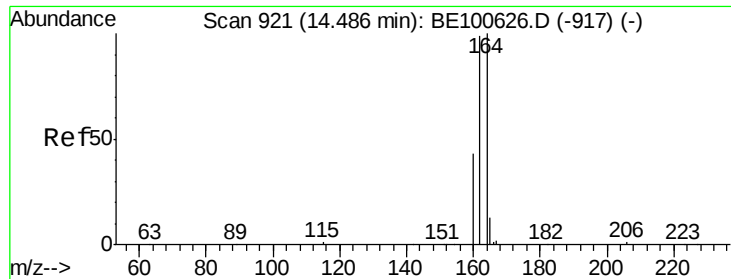
Ion Ratio Lower Upper

142 100

141 98.9 70.1 105.1

115 134.7 28.3 42.5#

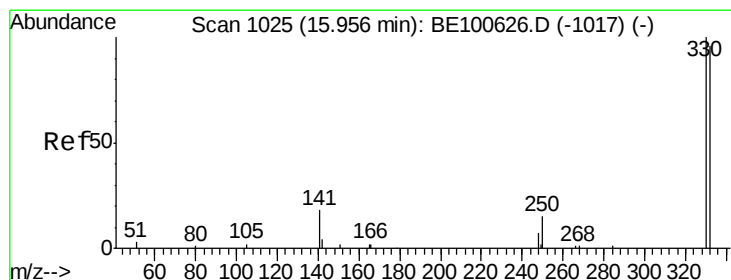
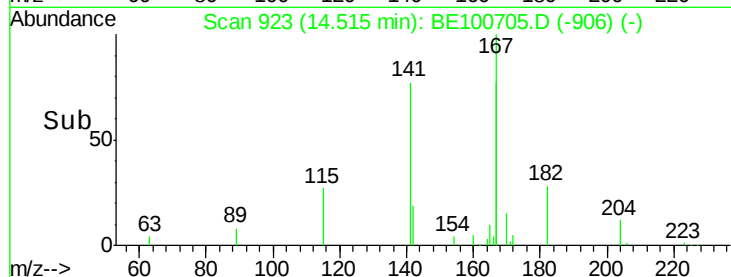
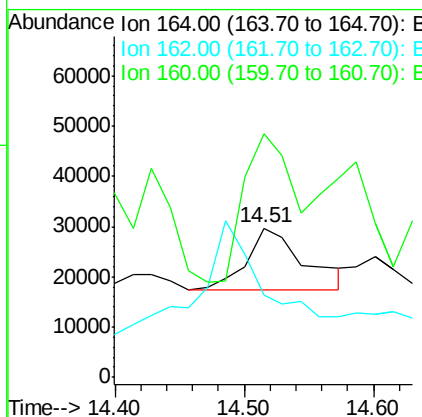
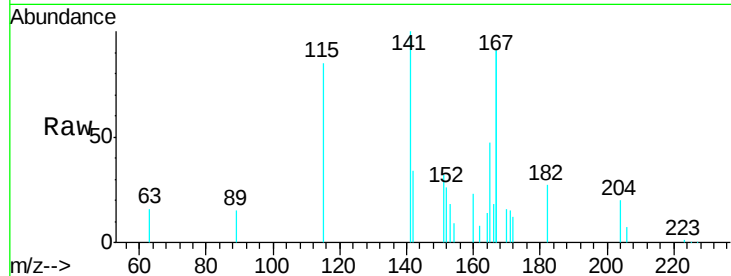




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.04 min
Lab File: BE100705.D
Acq: 7 Nov 2019 17:20

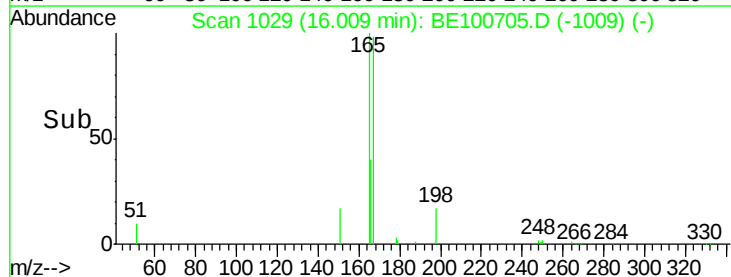
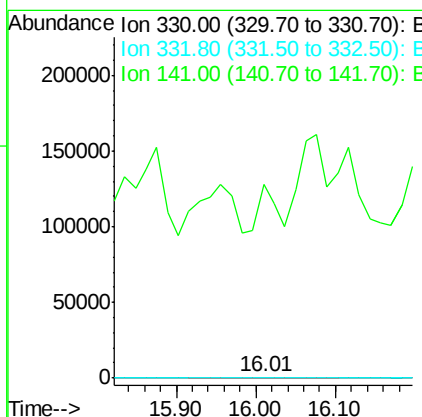
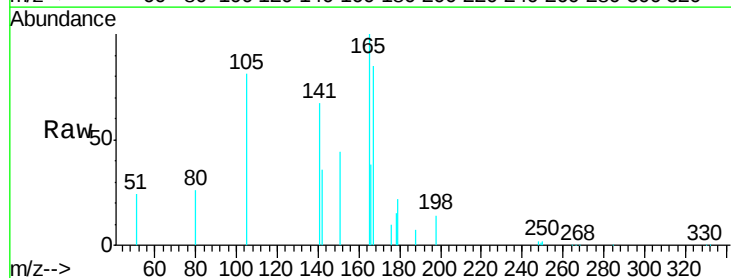
Instrument :
BNA_E
ClientSampleId :
SO-3MSD

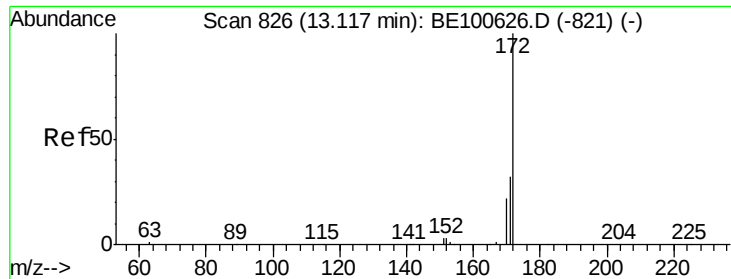
Tgt Ion:164 Resp: 37431
Ion Ratio Lower Upper
164 100
162 55.5 82.0 123.0#
160 163.5 37.5 56.3#



#14
2,4,6-Tribromophenol
Concen: 0.080 ng
RT: 16.01 min Scan# 1029
Delta R.T. 0.07 min
Lab File: BE100705.D
Acq: 7 Nov 2019 17:20

Tgt Ion:330 Resp: 788
Ion Ratio Lower Upper
330 100
332 87.6 77.9 116.9
141 6022.1 33.0 49.6#

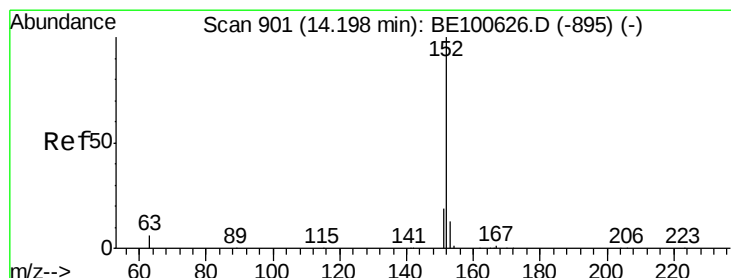
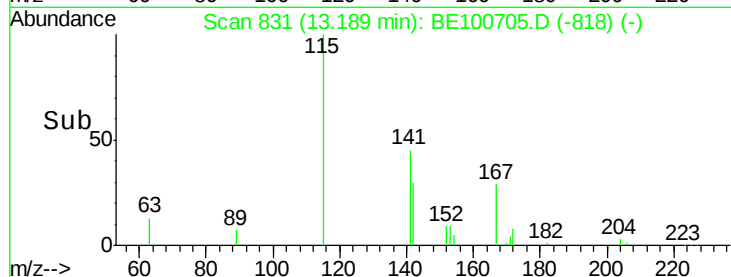
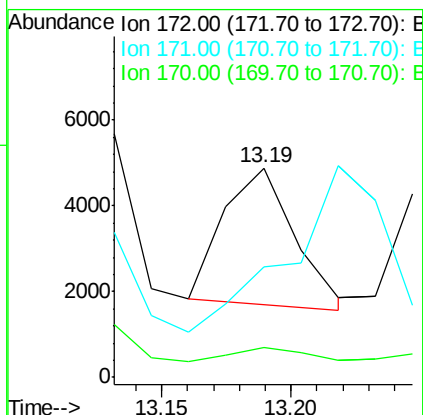
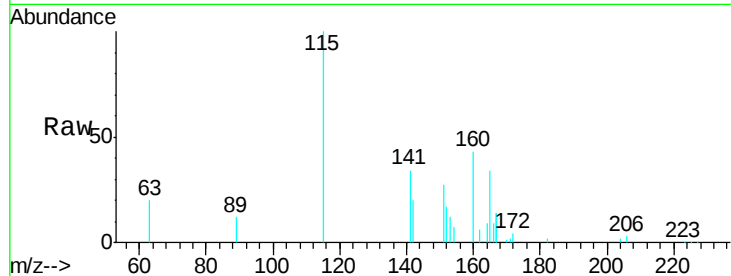




#15
2-Fluorobiphenyl
Concen: 0.044 ng
RT: 13.19 min Scan# 831
Delta R.T. 0.09 min
Lab File: BE100705.D
Acq: 7 Nov 2019 17:20

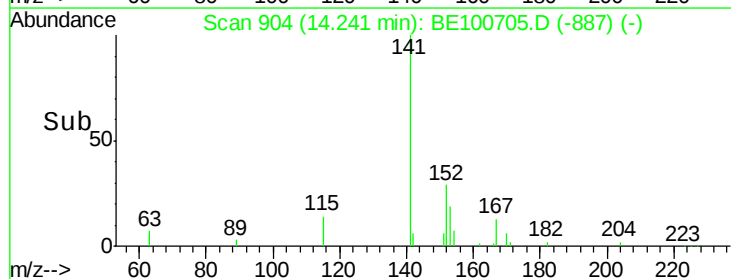
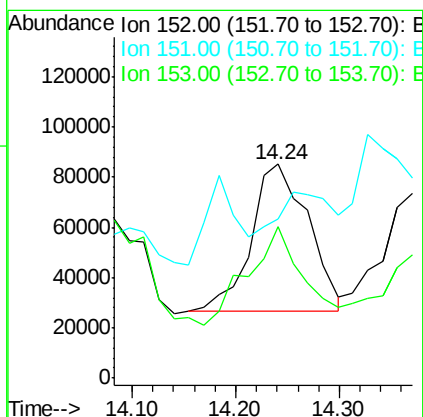
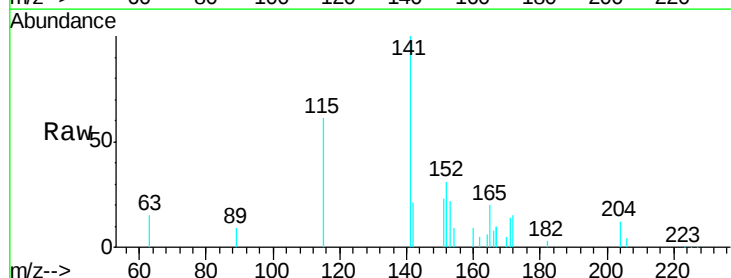
Instrument :
BNA_E
ClientSampleId :
SO-3MSD

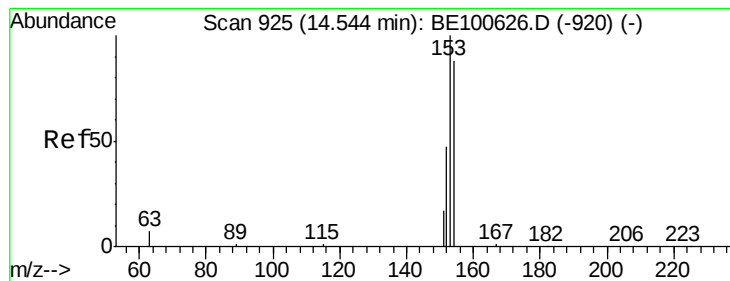
Tgt Ion:172 Resp: 5987
Ion Ratio Lower Upper
172 100
171 52.9 26.5 39.7#
170 14.2 19.0 28.4#



#16
Acenaphthylene
Concen: 1.407 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.04 min
Lab File: BE100705.D
Acq: 7 Nov 2019 17:20

Tgt Ion:152 Resp: 226686
Ion Ratio Lower Upper
152 100
151 33.6 15.2 22.8#
153 65.0 10.3 15.5#





#17

Acenaphthene

Concen: 1.925 ng

RT: 14.57 min Scan# 927

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

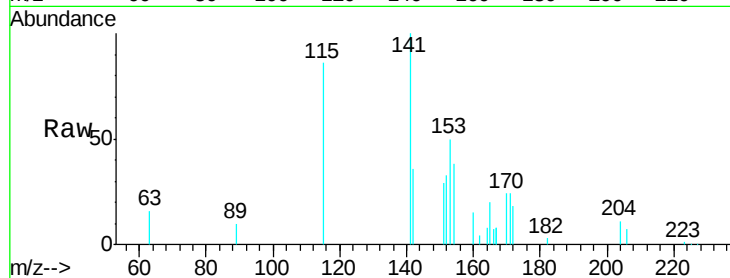
Tgt Ion:154 Resp: 200355

Ion Ratio Lower Upper

154 100

153 153.7 89.4 134.2#

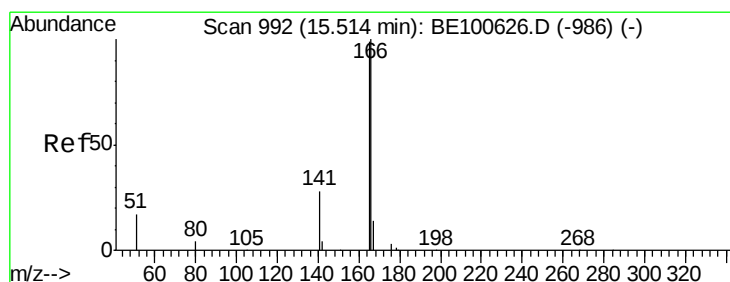
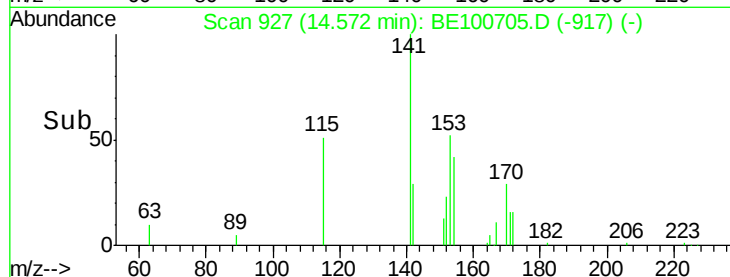
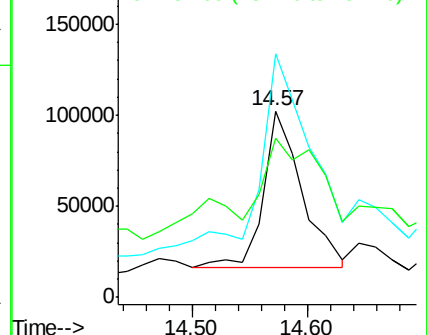
152 73.7 44.1 66.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 4.078 ng

RT: 15.55 min Scan# 995

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

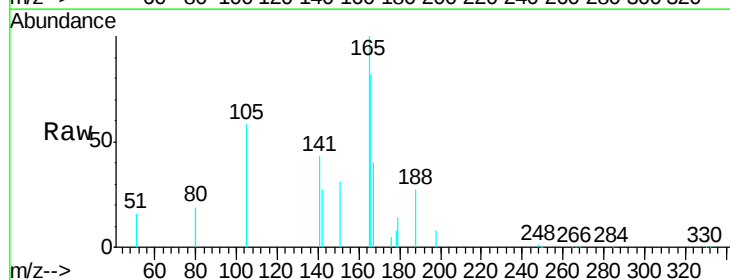
Tgt Ion:166 Resp: 563737

Ion Ratio Lower Upper

166 100

165 135.8 78.6 117.8#

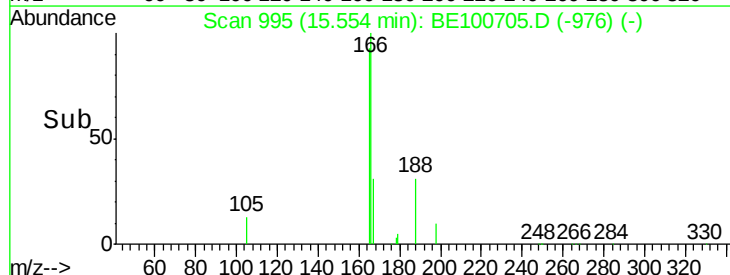
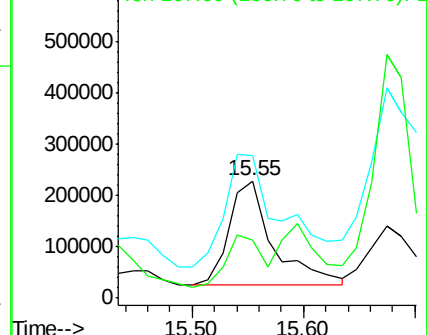
167 39.5 10.9 16.3#

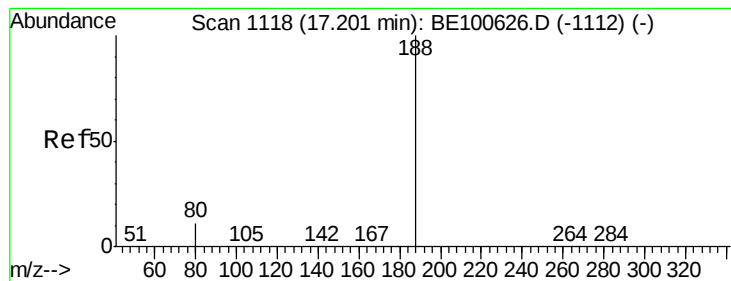


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampled :

SO-3MSD

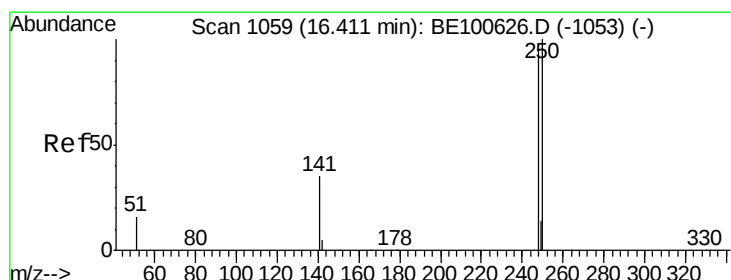
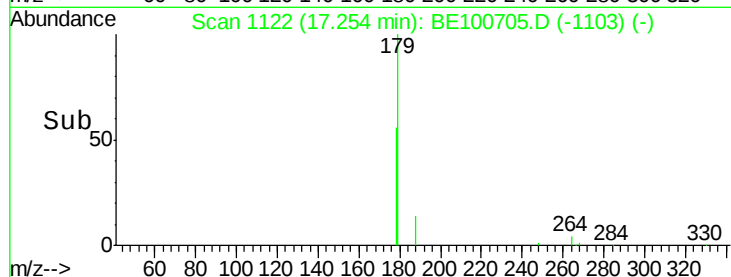
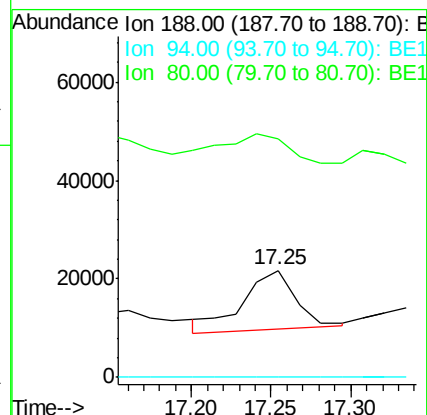
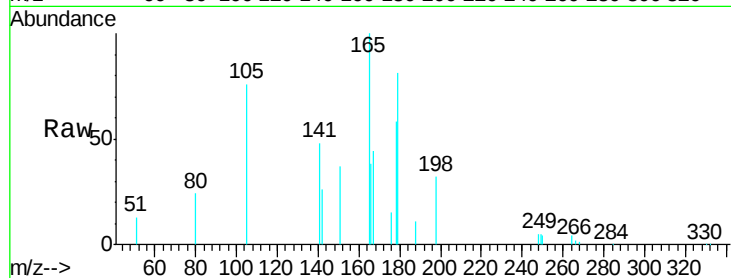
Tgt Ion:188 Resp: 27861

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 223.3 5.4 8.0#



#20

4-Bromophenyl-phenylether

Concen: 0.634 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

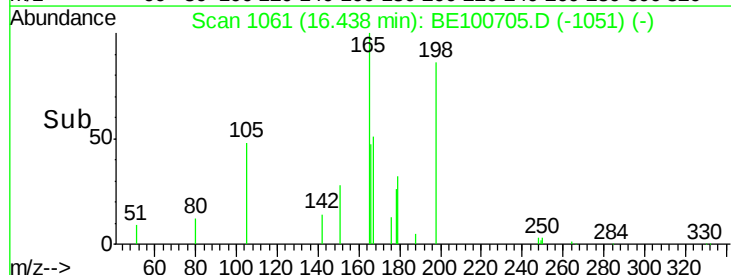
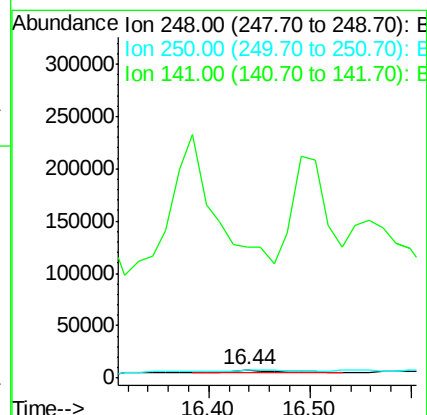
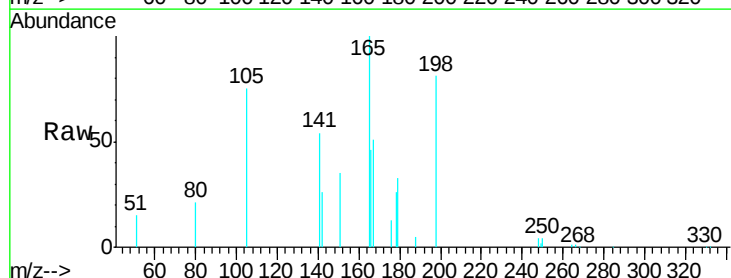
Tgt Ion:248 Resp: 8994

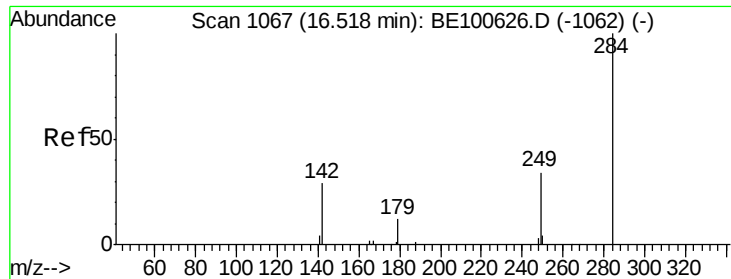
Ion Ratio Lower Upper

248 100

250 100.1 76.3 114.5

141 1519.8 37.3 55.9#





#21

Hexachlorobenzene

Concen: 0.203 ng

RT: 16.60 min Scan# 1073

Delta R.T. 0.08 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

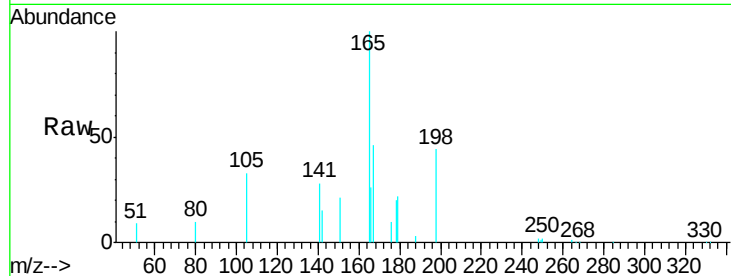
Tgt Ion:284 Resp: 2748

Ion Ratio Lower Upper

284 100

142 0.0 28.6 42.8#

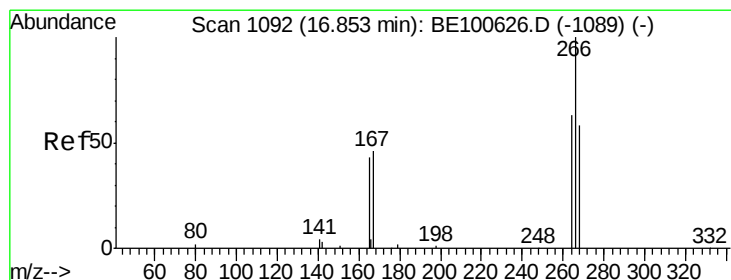
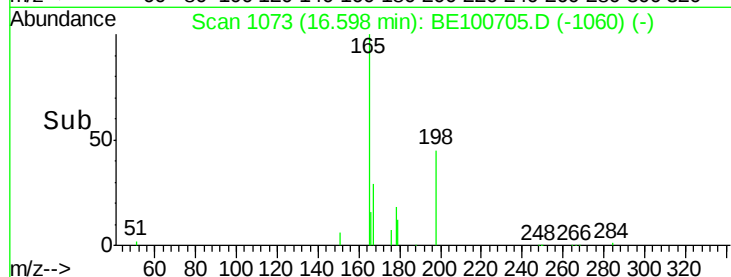
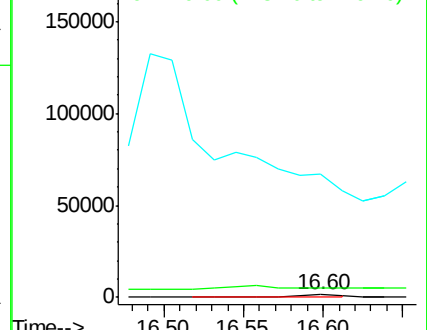
249 0.0 26.3 39.5#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.407 ng

RT: 16.87 min Scan# 1093

Delta R.T. 0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

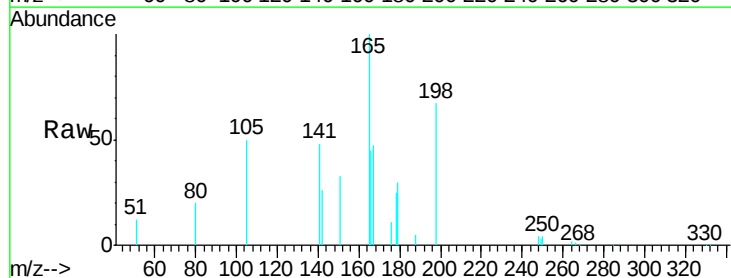
Tgt Ion:266 Resp: 1770

Ion Ratio Lower Upper

266 100

264 160.9 52.2 78.4#

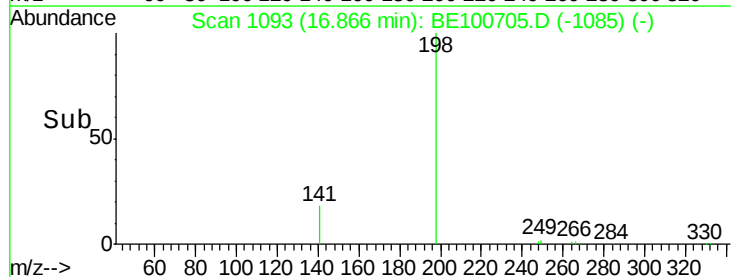
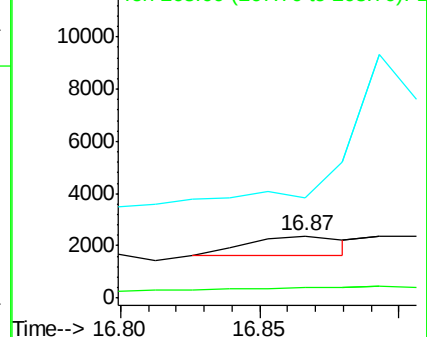
268 16.3 53.1 79.7#

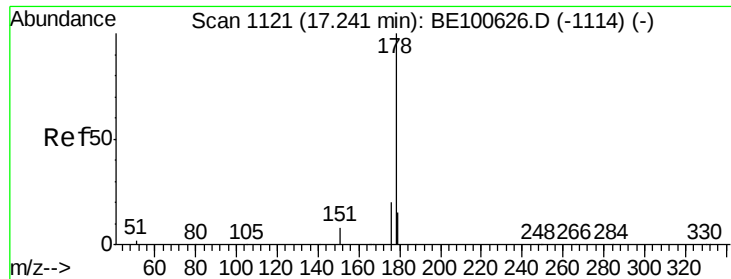


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 26.987 ng

RT: 17.29 min Scan# 1125

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

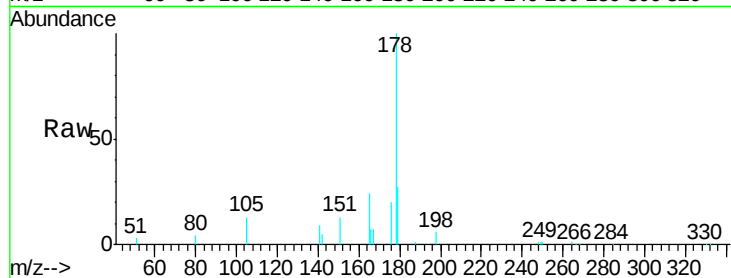
Tgt Ion:178 Resp: 2068145

Ion Ratio Lower Upper

178 100

176 15.3 15.2 22.8

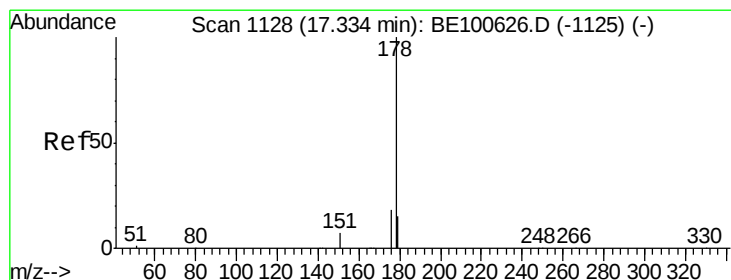
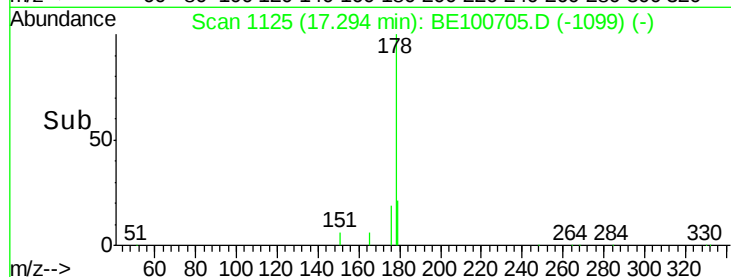
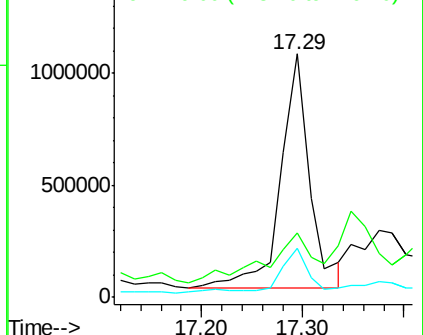
179 36.7 12.1 18.1#



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



#24

Anthracene

Concen: 5.301 ng

RT: 17.37 min Scan# 1131

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

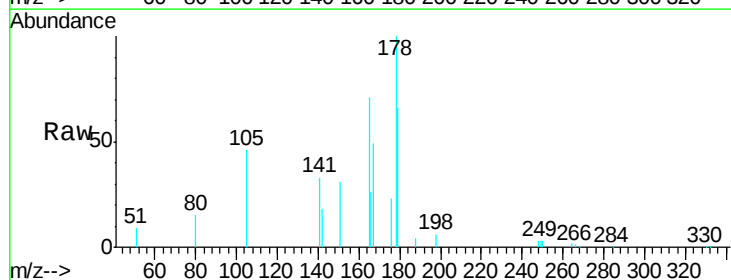
Tgt Ion:178 Resp: 376936

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.4

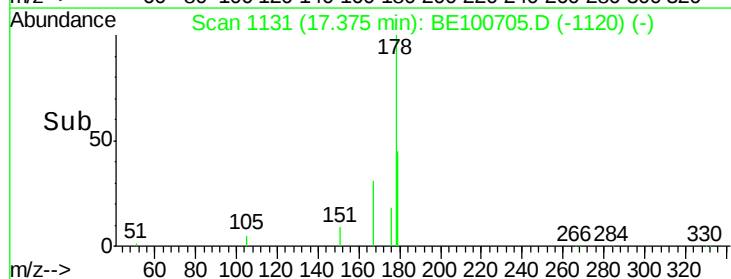
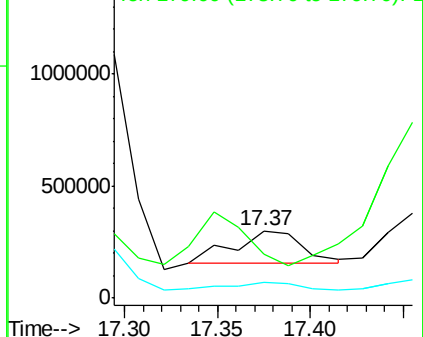
179 0.0 12.5 18.7#

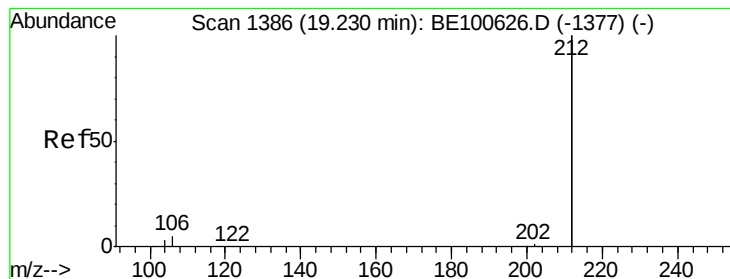


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 1.430 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.05 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

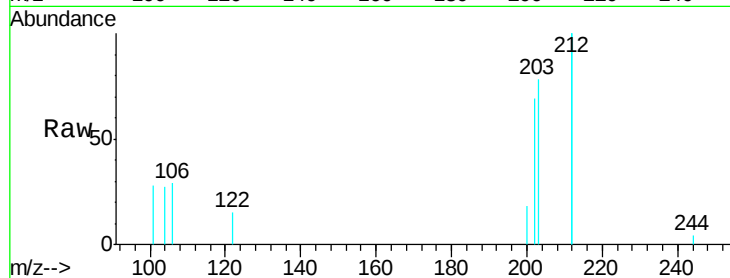
Tgt Ion:212 Resp: 513973

Ion Ratio Lower Upper

212 100

106 3.7 2.3 3.5#

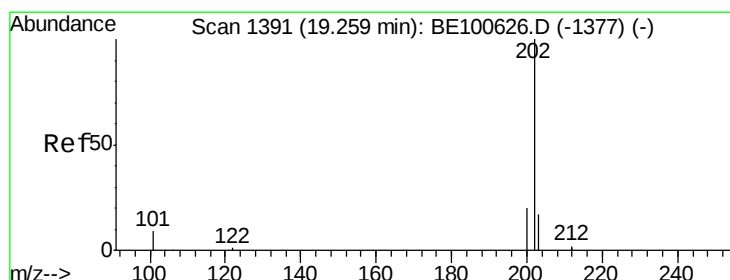
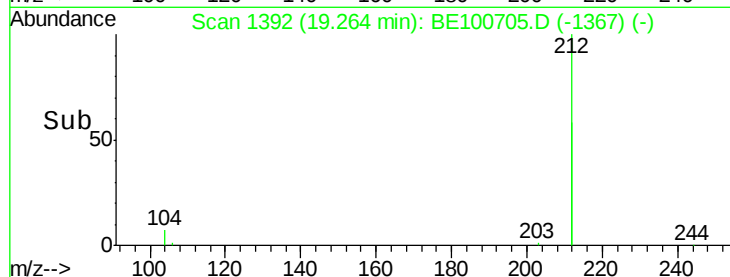
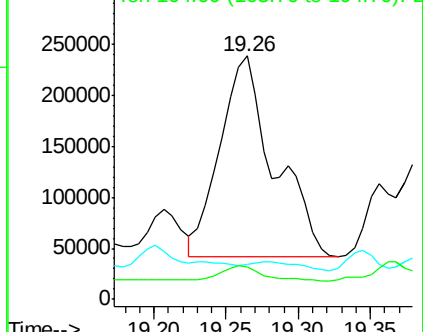
104 5.9 1.3 1.9#



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: 33.292 ng

RT: 19.33 min Scan# 1403

Delta R.T. 0.08 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

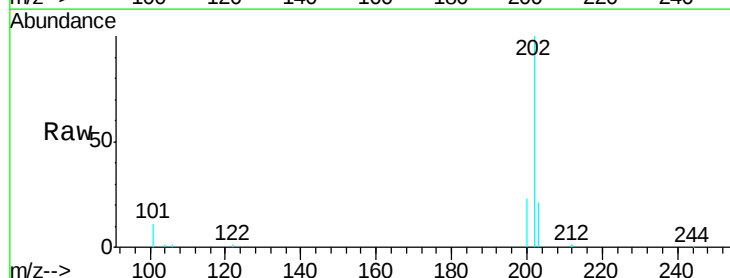
Tgt Ion:202 Resp: 3329838

Ion Ratio Lower Upper

202 100

101 11.0 8.5 12.7

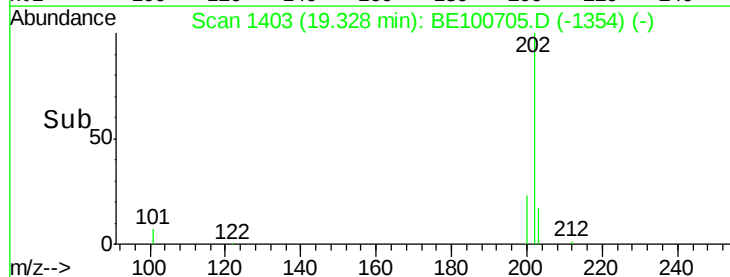
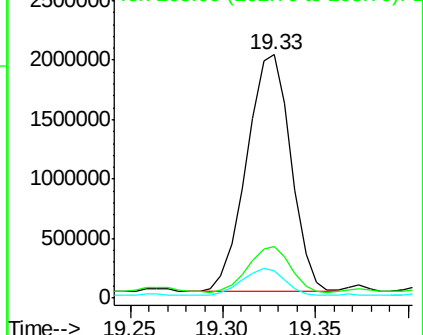
203 18.8 13.8 20.8



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: 21.38 min Scan# 1631

Delta R.T. 0.02 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

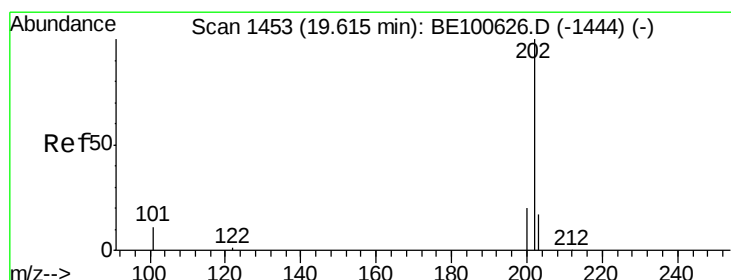
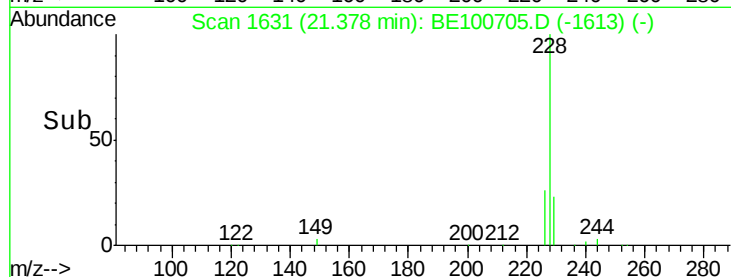
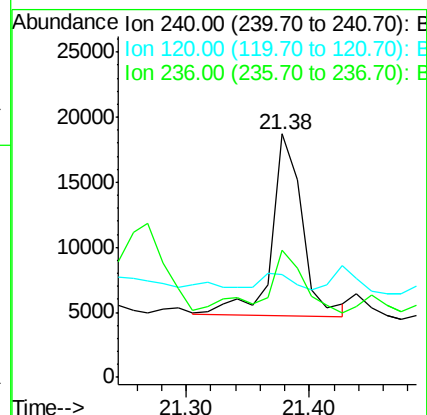
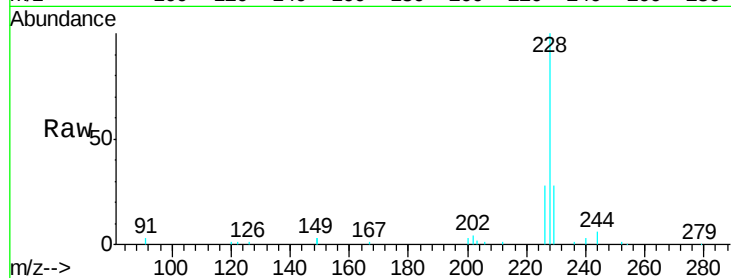
Tgt Ion:240 Resp: 24023

Ion Ratio Lower Upper

240 100

120 42.4 7.6 11.4#

236 52.4 22.1 33.1#



#28

Pyrene

Concen: 60.978 ng

RT: 19.67 min Scan# 1462

Delta R.T. 0.06 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

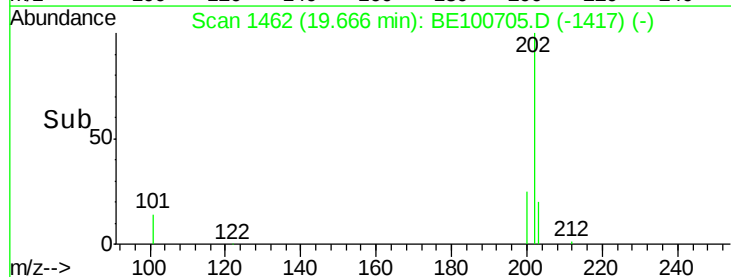
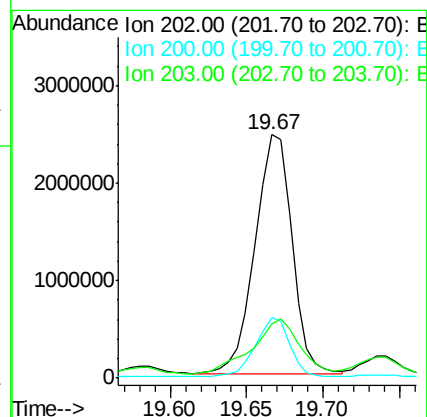
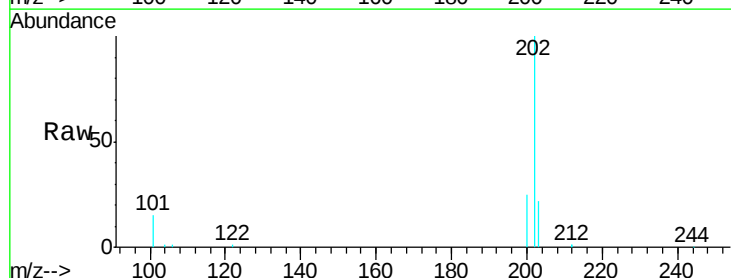
Tgt Ion:202 Resp: 4092693

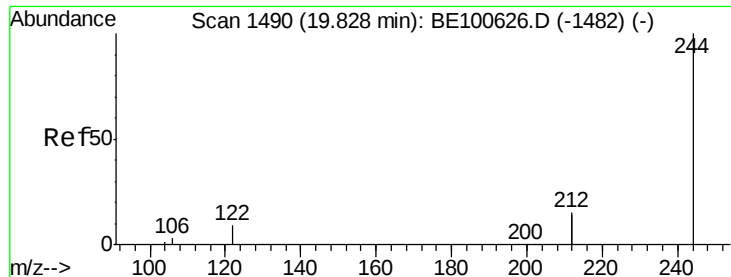
Ion Ratio Lower Upper

202 100

200 23.1 16.7 25.1

203 29.0 14.0 21.0#





#29

Terphenyl-d14

Concen: 0.490 ng

RT: 19.84 min Scan# 1493

Delta R.T. 0.03 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

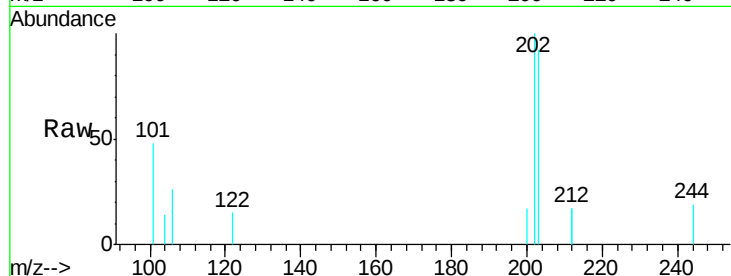
Tgt Ion:244 Resp: 25742

Ion Ratio Lower Upper

244 100

212 176.9 23.7 35.5#

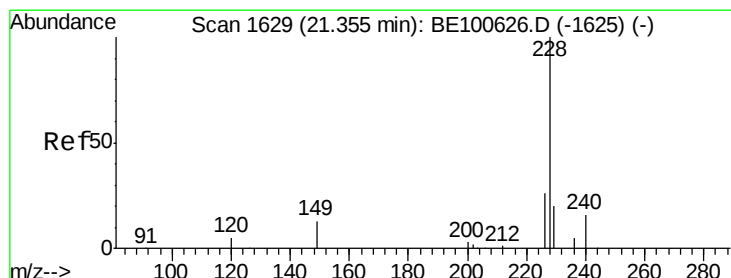
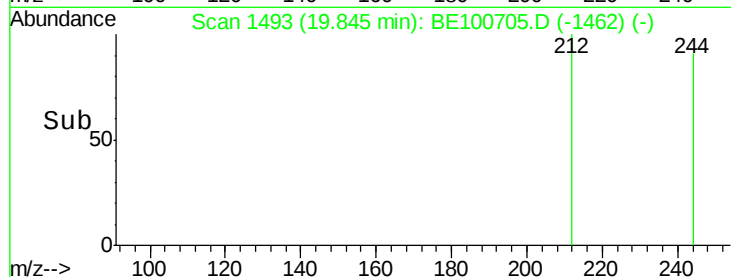
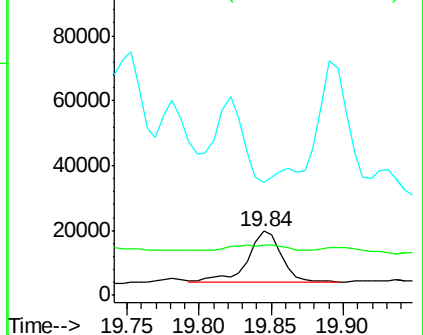
122 78.0 7.9 11.9#



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: 32.585 ng

RT: 21.37 min Scan# 1630

Delta R.T. 0.02 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

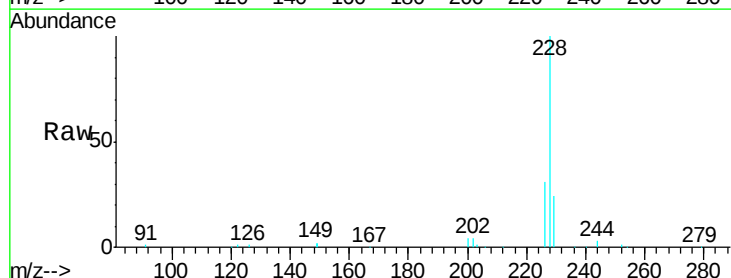
Tgt Ion:228 Resp: 2553516

Ion Ratio Lower Upper

228 100

226 30.6 21.4 32.0

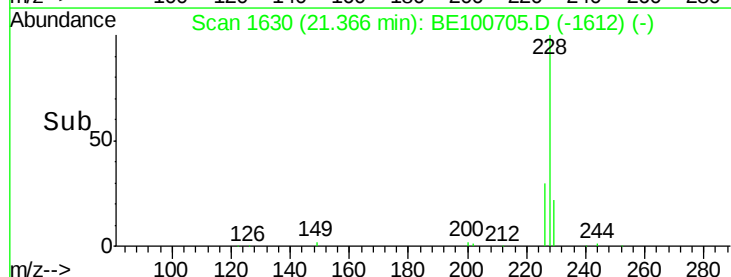
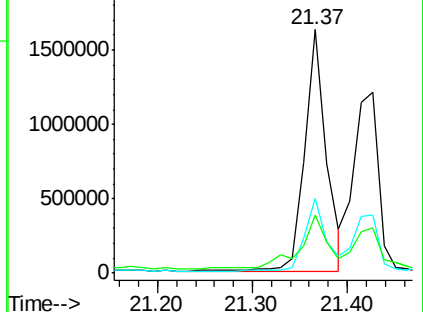
229 23.9 16.0 24.0

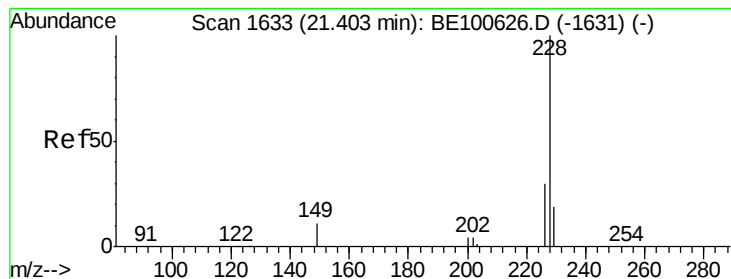


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 27.520 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

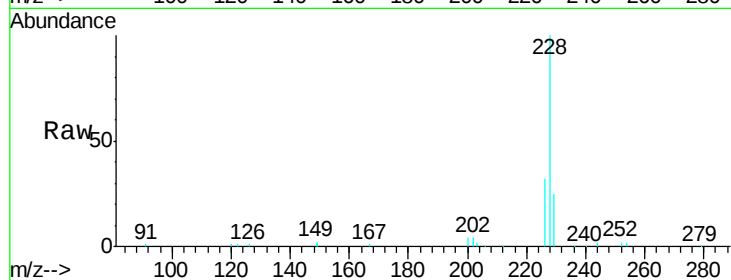
Tgt Ion:228 Resp: 2155257

Ion Ratio Lower Upper

228 100

226 31.9 24.6 37.0

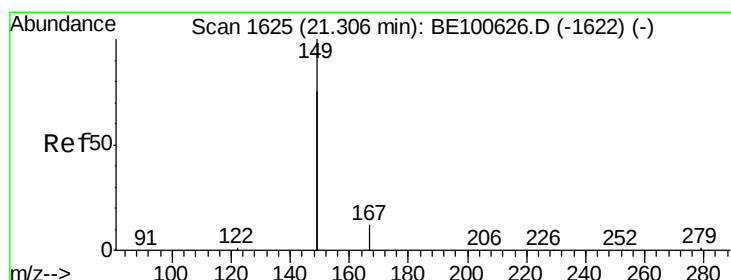
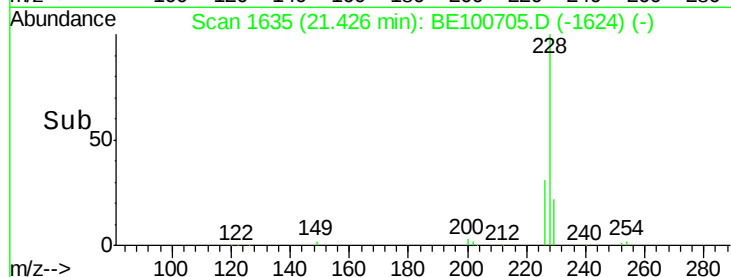
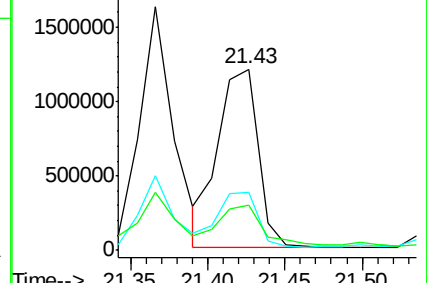
229 25.0 15.8 23.8#



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: 0.561 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

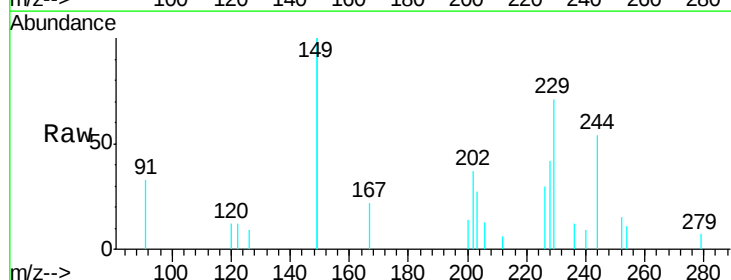
Tgt Ion:149 Resp: 91899

Ion Ratio Lower Upper

149 100

167 9.5 5.5 8.3#

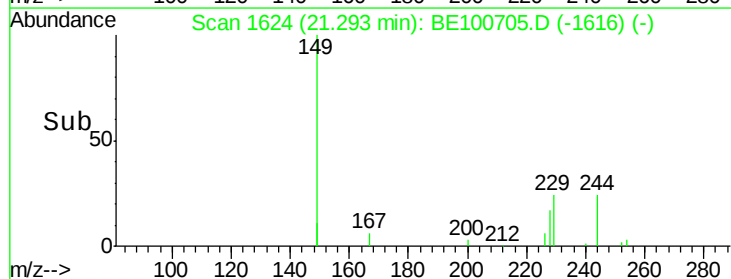
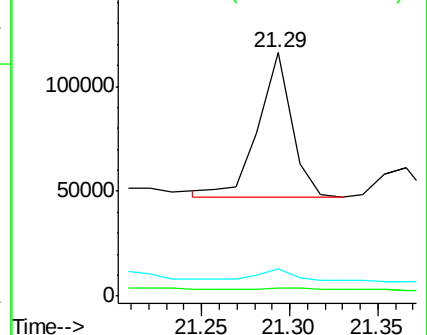
279 3.6 0.9 1.3#



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: 24.558 ng

RT: 26.49 min Scan# 2932

Delta R.T. 0.06 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

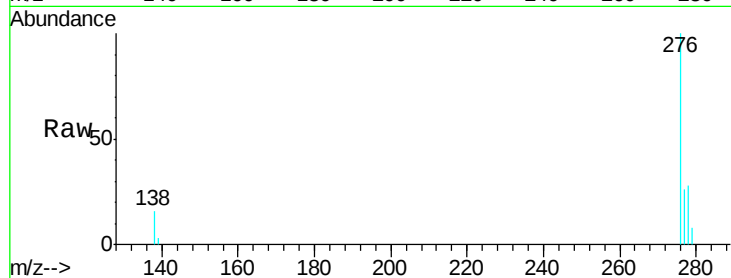
Tgt Ion:276 Resp: 2363713

Ion Ratio Lower Upper

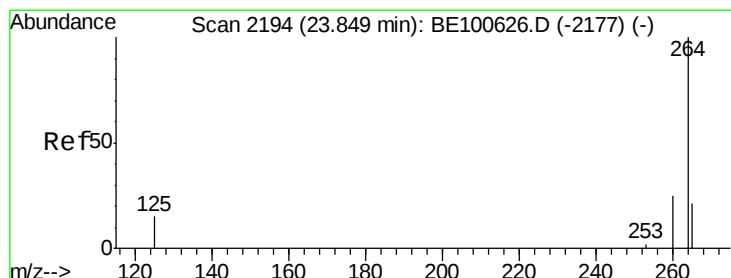
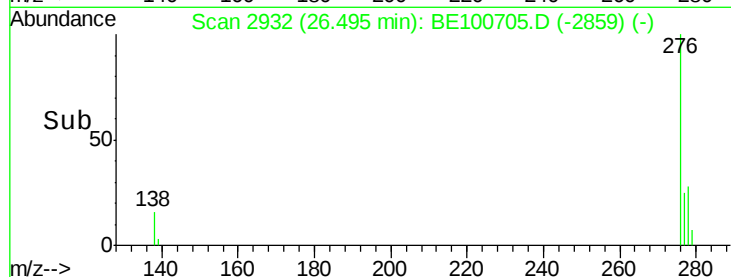
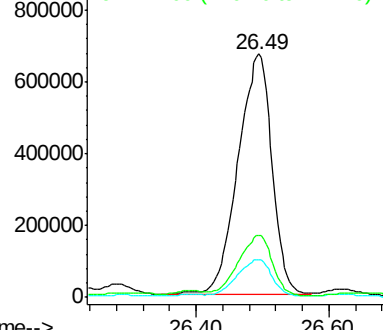
276 100

138 15.4 15.3 22.9

277 25.3 19.4 29.2



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: 23.86 min Scan# 2196

Delta R.T. 0.02 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

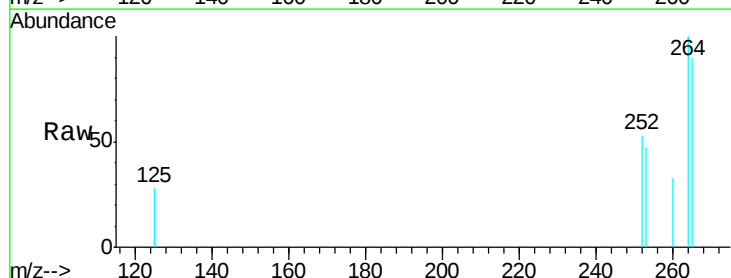
Tgt Ion:264 Resp: 31716

Ion Ratio Lower Upper

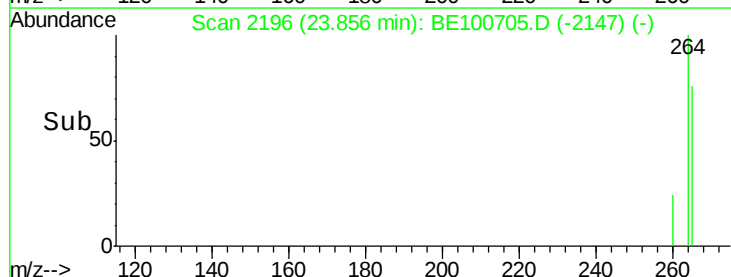
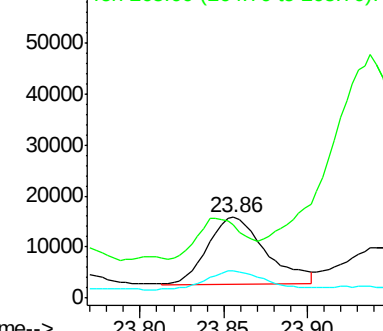
264 100

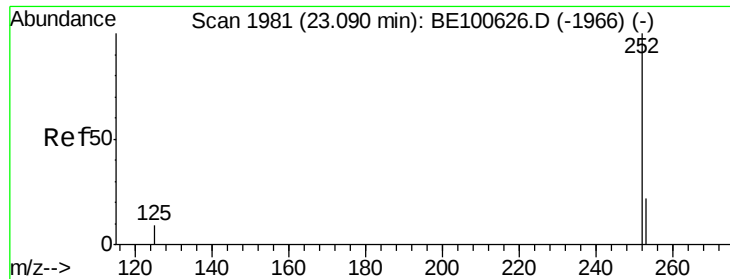
260 33.2 19.4 29.2#

265 90.4 21.7 32.5#



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: 38.947 ng

RT: 23.11 min Scan# 1987

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

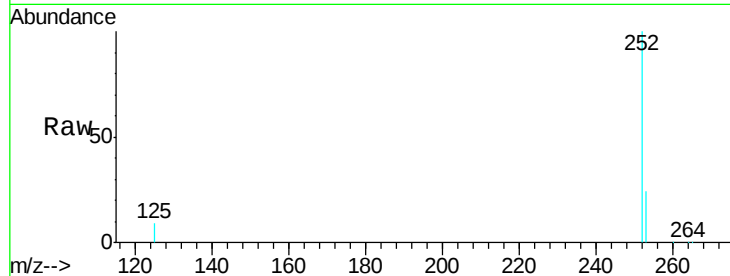
Tgt Ion:252 Resp: 3601840

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

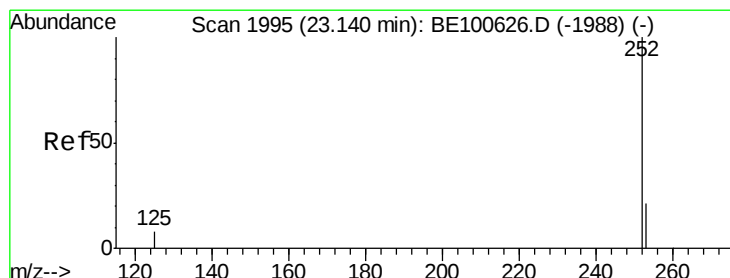
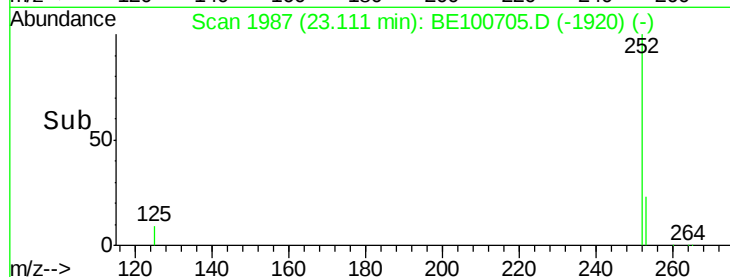
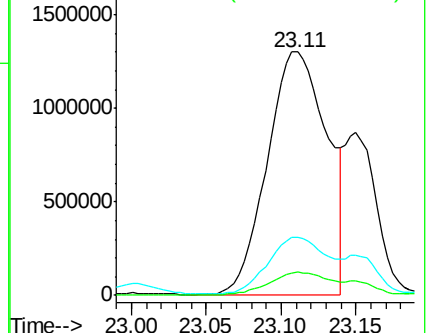
125 9.4 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 37.869 ng

RT: 23.11 min Scan# 1987

Delta R.T. -0.01 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

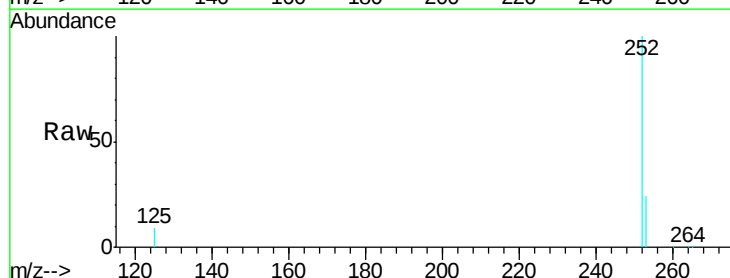
Tgt Ion:252 Resp: 3601840

Ion Ratio Lower Upper

252 100

253 23.9 18.4 27.6

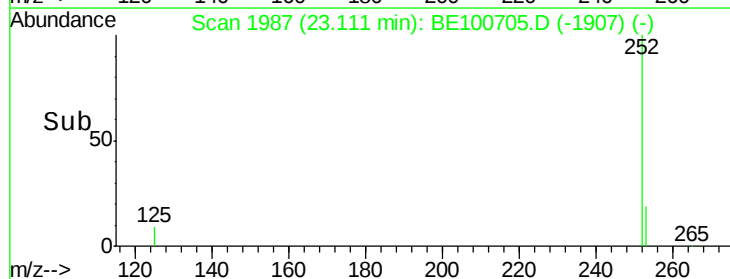
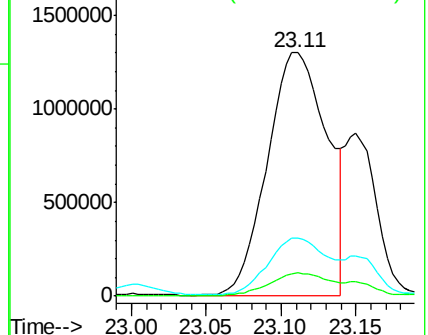
125 9.4 11.6 17.4#

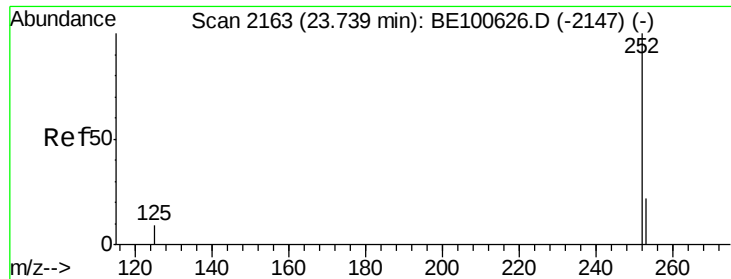


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 32.818 ng

RT: 23.76 min Scan# 2168

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD

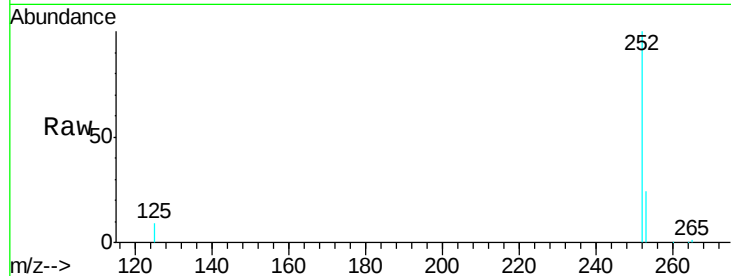
Tgt Ion:252 Resp: 2825147

Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

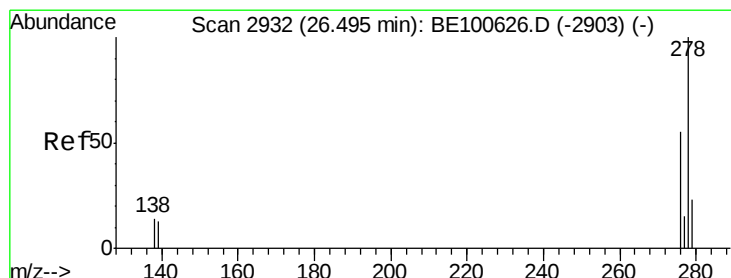
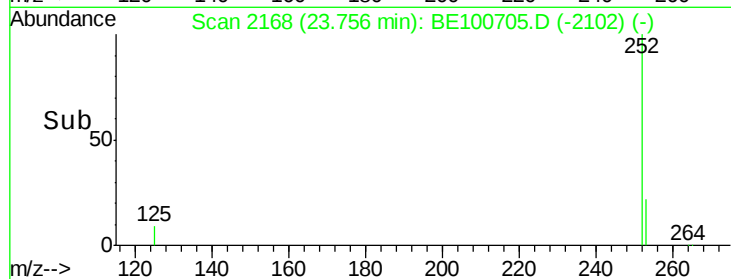
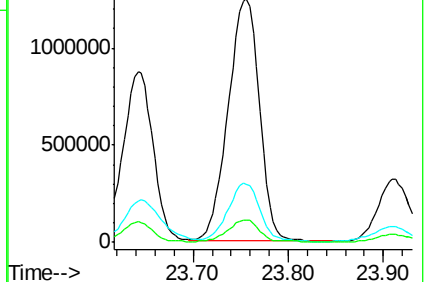
125 9.3 8.2 12.4



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



#38

Dibenzo(a,h)anthracene

Concen: 7.385 ng

RT: 26.50 min Scan# 2934

Delta R.T. 0.04 min

Lab File: BE100705.D

Acq: 7 Nov 2019 17:20

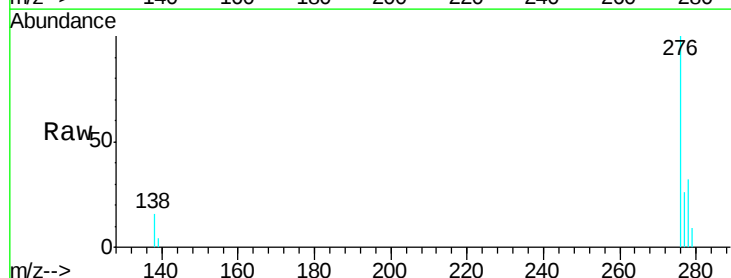
Tgt Ion:278 Resp: 657085

Ion Ratio Lower Upper

278 100

139 11.8 10.9 16.3

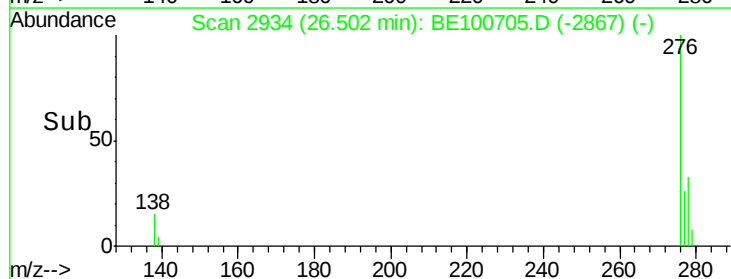
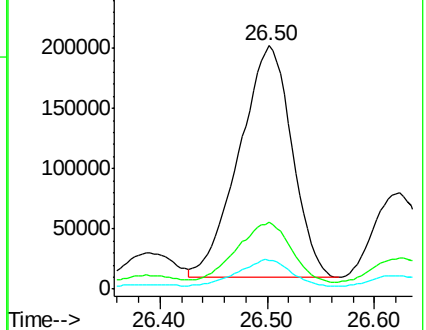
279 27.2 19.4 29.2

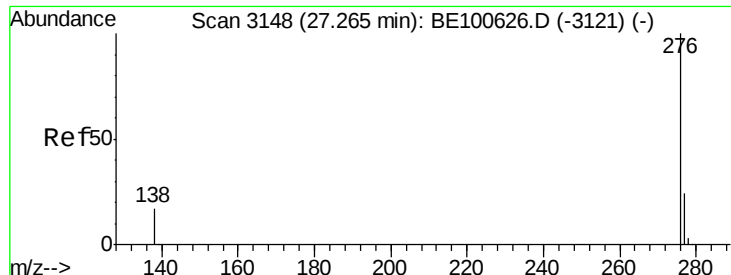


Abundance Ion 278.00 (277.70 to 278.70): E

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: 24.935 ng

RT: 27.30 min Scan# 3159

Delta R.T. 0.07 min

Lab File: BE100705.D

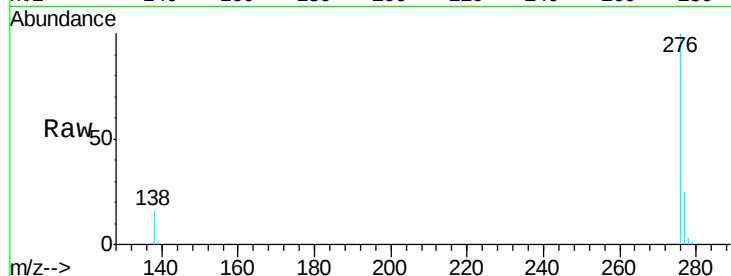
Acq: 7 Nov 2019 17:20

Instrument :

BNA_E

ClientSampleId :

SO-3MSD



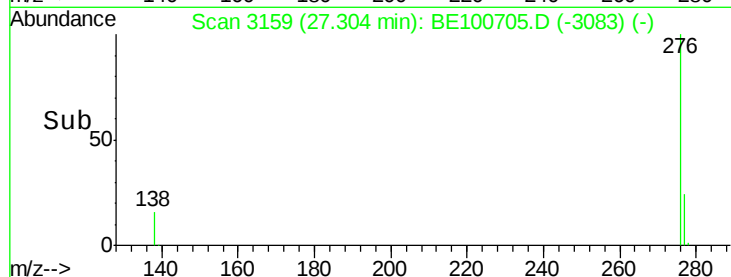
Tgt Ion: 276 Resp: 2231354

Ion Ratio Lower Upper

276 100

277 24.6 19.4 29.0

138 16.0 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

