

Data File : BE101091.D
Acq On : 17 Jan 2020 18:57
Operator : JU
Sample : L1167-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Quant Time: Jan 17 23:21:24 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1162	0.40	ng	-0.02
7) Naphthalene-d8	10.50	136	4770	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	3537	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	10665	0.40	ng	0.00
27) Chrysene-d12	21.27	240	22750	0.40	ng	-0.01
34) Perylene-d12	23.68	264	24951	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	1129	0.43	ng	0.00
5) Phenol-d6	6.90	99	1582	0.48	ng	-0.02
8) Nitrobenzene-d5	8.87	82	1245	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	2921	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.85	330	356	0.36	ng	0.00
15) 2-Fluorobiphenyl	12.99	172	4660	0.35	ng	-0.02
25) Fluoranthene-d10	19.12	212	69558	0.47	ng	-0.01
29) Terphenyl-d14	19.73	244	15886	0.28	ng	-0.01

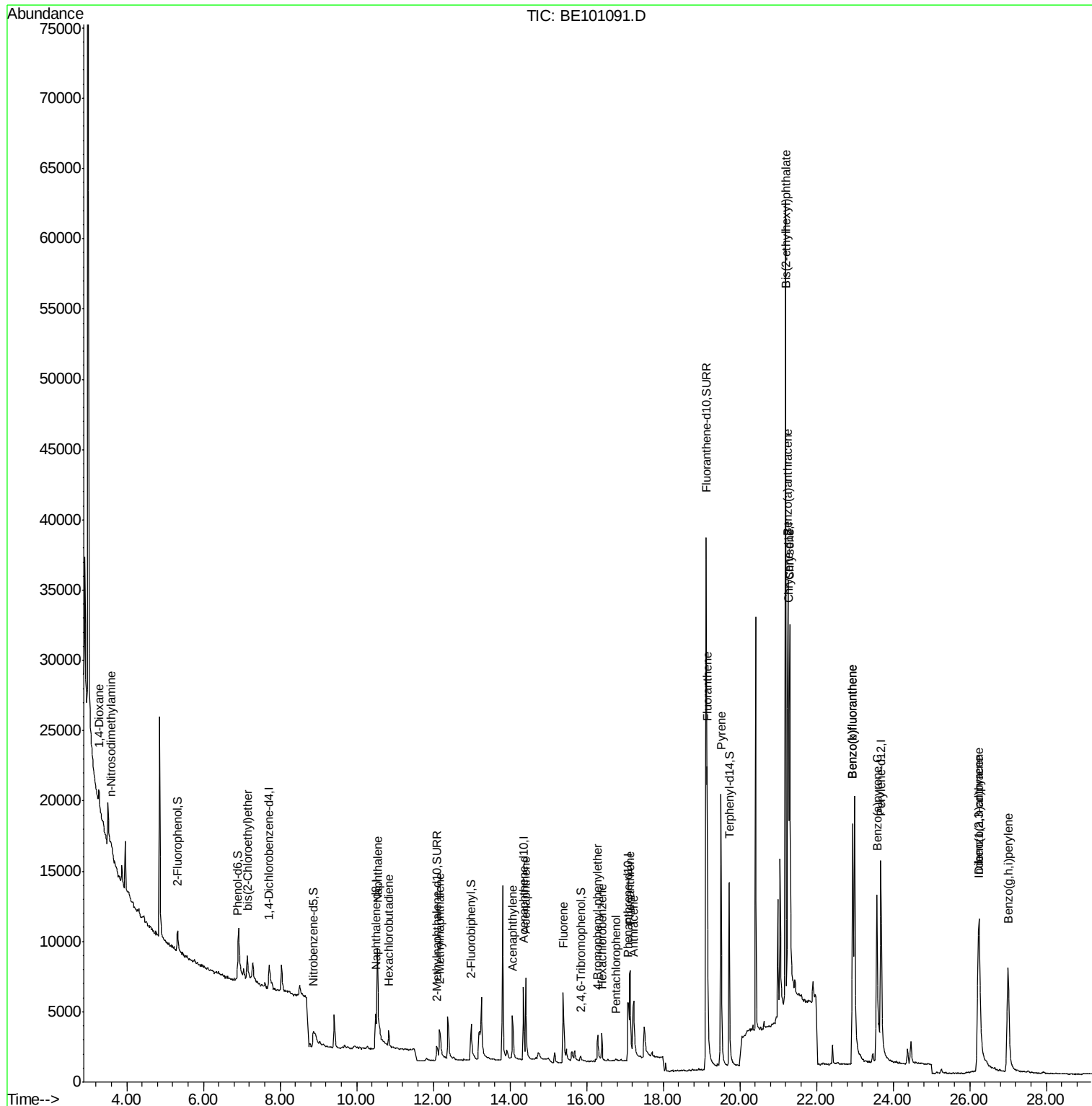
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.28	88	915	0.293	ng	# 27
3) n-Nitrosodimethylamine	3.58	42	821	0.508	ng	# 73
6) bis(2-Chloroethyl)ether	7.15	93	1070	0.272	ng	98
9) Naphthalene	10.55	128	19442	0.367	ng	# 98
10) Hexachlorobutadiene	10.83	225	767	0.342	ng	98
12) 2-Methylnaphthalene	12.17	142	2909	0.363	ng	96
16) Acenaphthylene	14.07	152	4927	0.342	ng	99
17) Acenaphthene	14.41	154	3410	0.331	ng	98
18) Fluorene	15.39	166	4521	0.347	ng	99
20) 4-Bromophenyl-phenylether	16.29	248	1480	0.285	ng	94
21) Hexachlorobenzene	16.40	284	1561	0.274	ng	100
22) Pentachlorophenol	16.76	266	196	0.348	ng	93
23) Phenanthrene	17.13	178	9706	0.333	ng	99
24) Anthracene	17.23	178	9621	0.350	ng	96
26) Fluoranthene	19.15	202	19400	0.532	ng	100
28) Pyrene	19.51	202	22636	0.267	ng	99
30) Benzo(a)anthracene	21.26	228	26154	0.403	ng	97
31) Chrysene	21.30	228	33518	0.347	ng	99
32) Bis(2-ethylhexyl)phthalate	21.20	149	70364	0.650	ng	100
33) Indeno(1,2,3-cd)pyrene	26.22	276	23280	0.305	ng	# 95
35) Benzo(b)fluoranthene	22.95	252	24432	0.349	ng	97
36) Benzo(k)fluoranthene	22.95	252	24432	0.241	ng	99
37) Benzo(a)pyrene	23.58	252	24682	0.365	ng	98
38) Dibenzo(a,h)anthracene	26.25	278	17747	0.285	ng	97
39) Benzo(g,h,i)perylene	27.01	276	21135	0.276	ng	98

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

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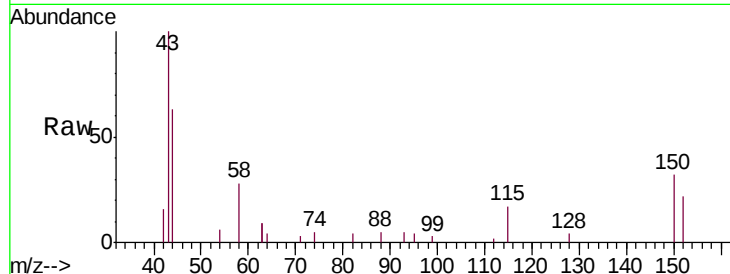


#1

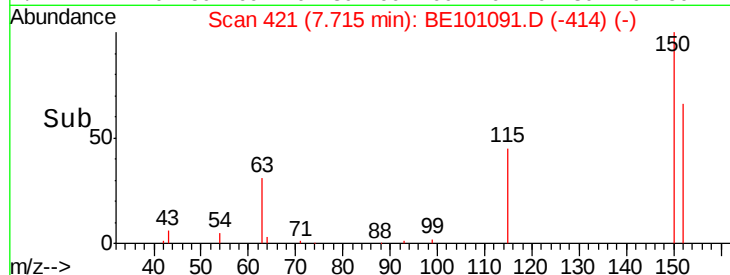
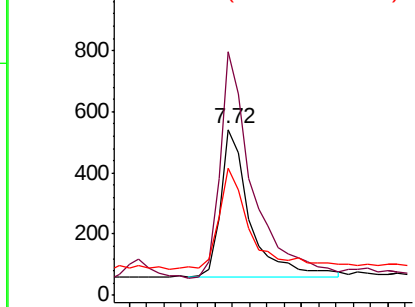
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 421
Delta R.T. -0.02 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Instrument :
BNA_E
ClientSampled :
PF-1MSD

Tgt Ion:152 Resp: 1162
Ion Ratio Lower Upper
152 100
150 146.9 120.3 180.5
115 76.6 51.7 77.5



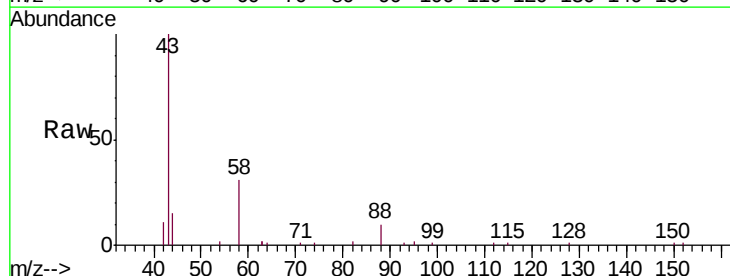
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



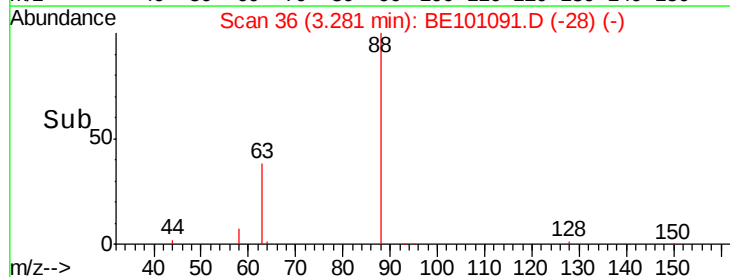
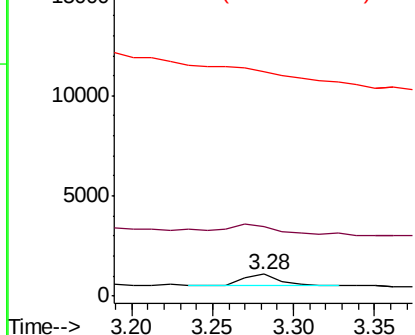
#2

1,4-Dioxane
Concen: 0.293 ng
RT: 3.28 min Scan# 36
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion: 88 Resp: 915
Ion Ratio Lower Upper
88 100
58 130.3 53.0 79.4#
43 0.0 23.4 35.2#



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: 0.508 ng

RT: 3.58 min Scan# 62

Delta R.T. -0.03 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampled :

PF-1MSD

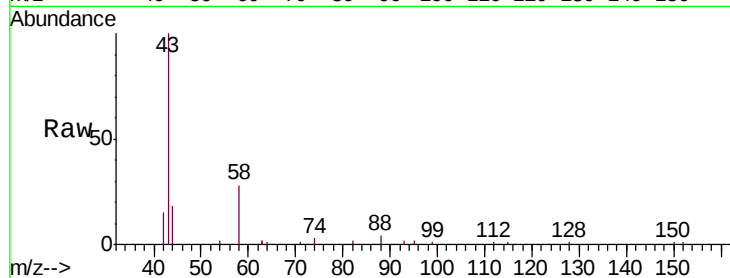
Tgt Ion: 42 Resp: 821

Ion Ratio Lower Upper

42 100

74 101.5 105.7 158.5#

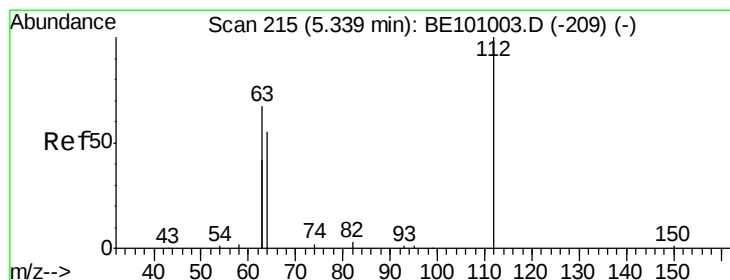
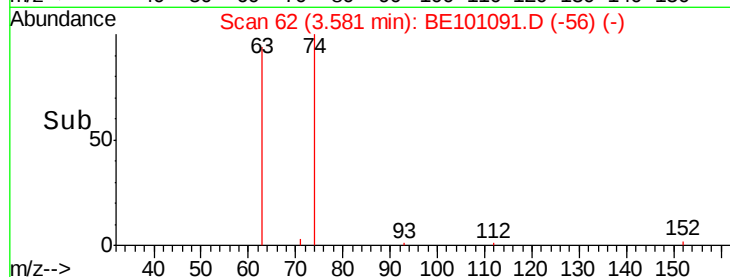
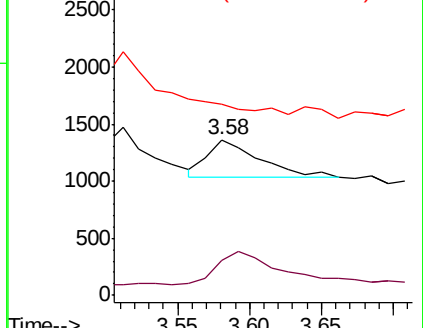
44 0.0 10.0 15.0#



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



#4

2-Fluorophenol

Concen: 0.432 ng

RT: 5.33 min Scan# 214

Delta R.T. -0.01 min

Lab File: BE101091.D

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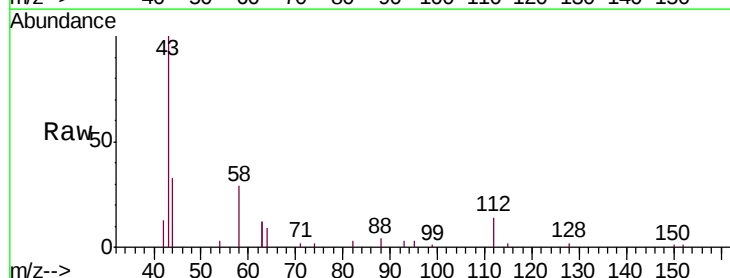
Tgt Ion: 112 Resp: 1129

Ion Ratio Lower Upper

112 100

64 71.4 53.6 80.4

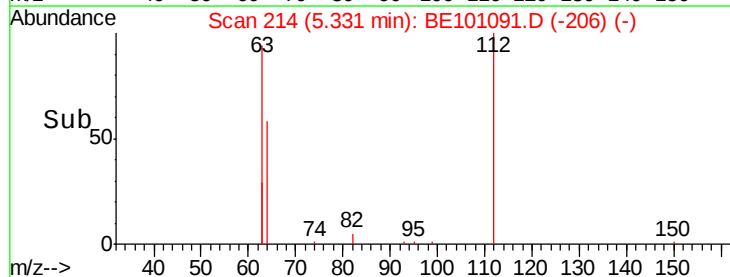
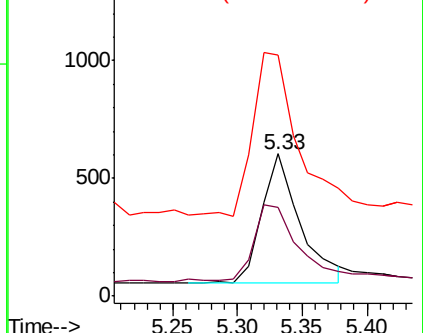
63 144.5 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1

Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.478 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

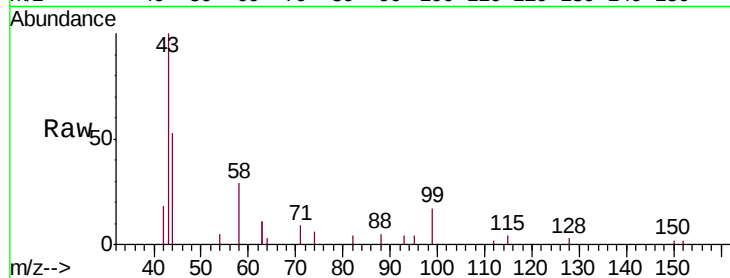
Tgt Ion: 99 Resp: 1582

Ion Ratio Lower Upper

99 100

42 28.3 18.3 27.5#

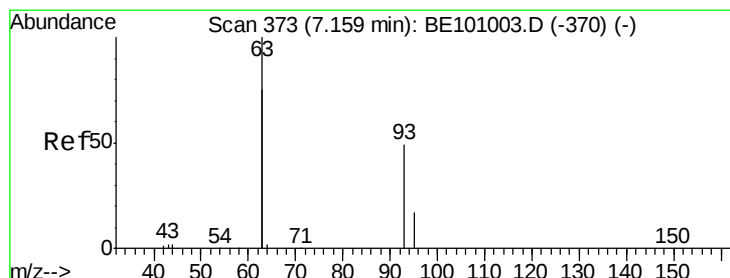
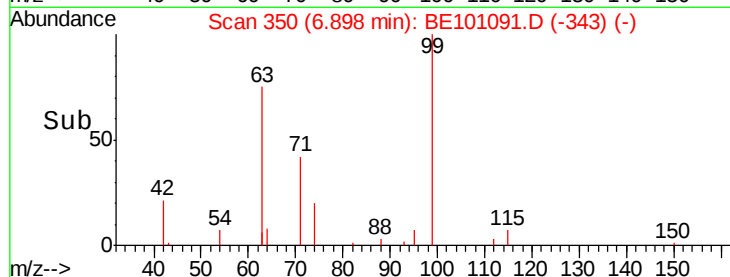
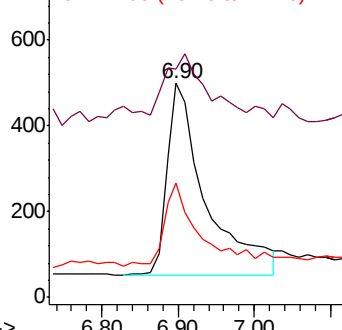
71 42.0 28.0 42.0



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: 0.272 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

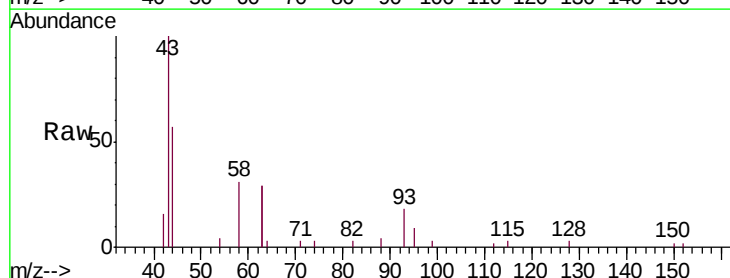
Tgt Ion: 93 Resp: 1070

Ion Ratio Lower Upper

93 100

63 288.6 233.9 350.9

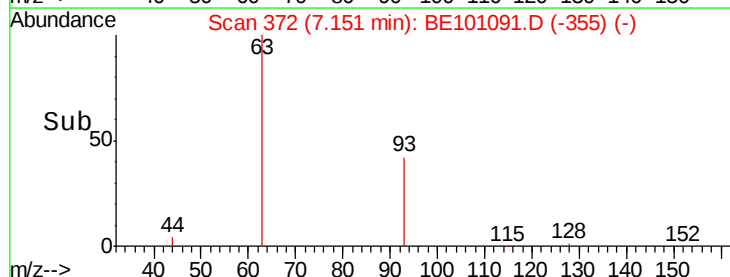
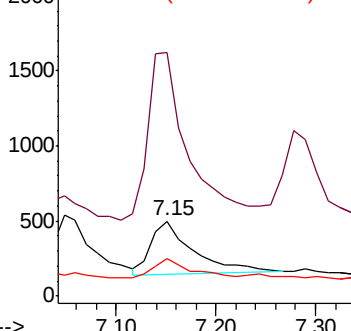
95 29.3 23.5 35.3



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: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

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ClientSampleId :

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Tgt Ion: 136 Resp: 4770

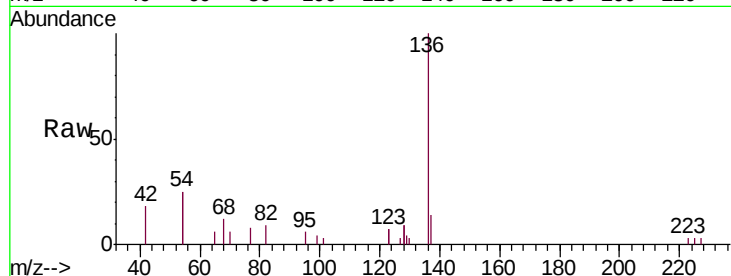
Ion Ratio Lower Upper

136 100

137 14.0 9.3 13.9#

54 49.9 36.8 55.2

68 11.8 8.4 12.6

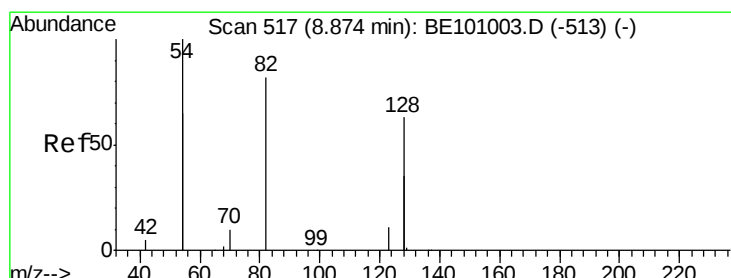
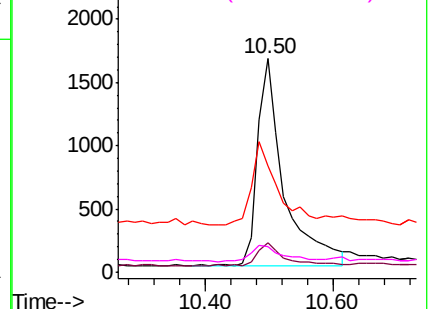
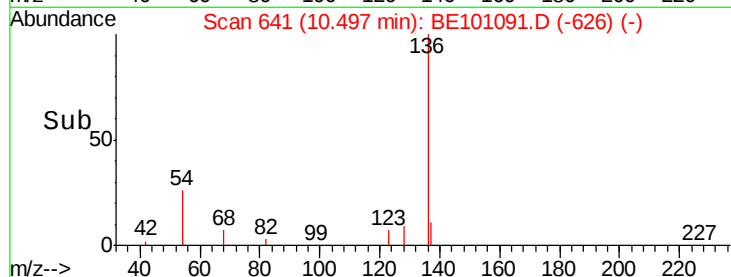


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.365 ng

RT: 8.87 min Scan# 516

Delta R.T. -0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

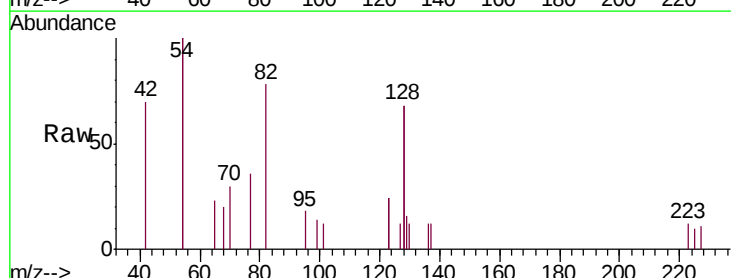
Tgt Ion: 82 Resp: 1245

Ion Ratio Lower Upper

82 100

128 173.2 109.8 164.6#

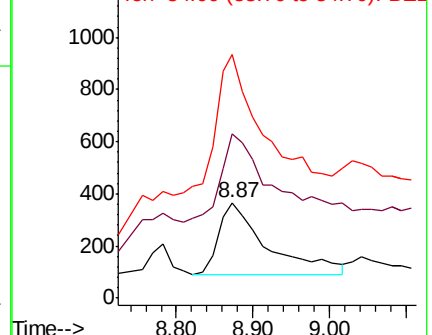
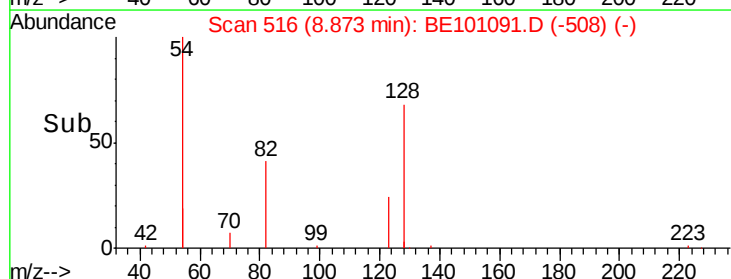
54 255.9 174.5 261.7

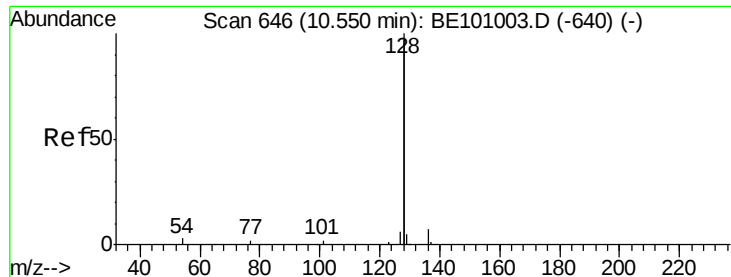


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.367 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101091.D

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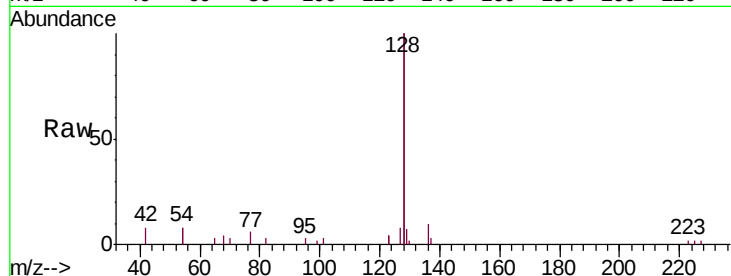
Tgt Ion:128 Resp: 19442

Ion Ratio Lower Upper

128 100

129 3.7 2.3 3.5#

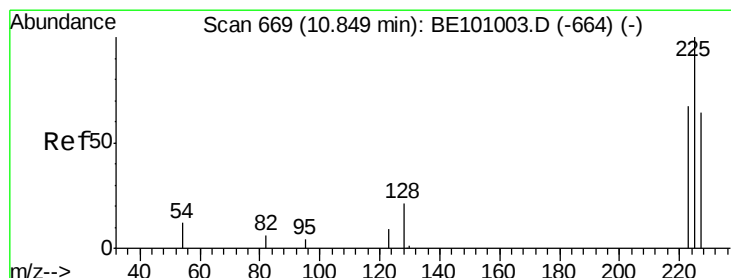
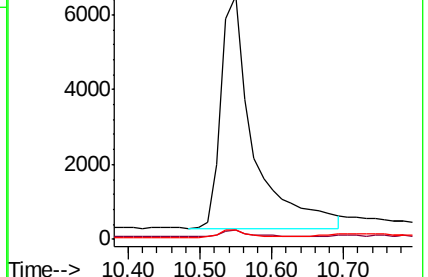
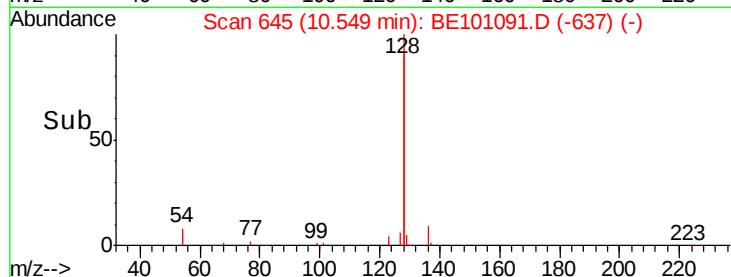
127 4.0 2.7 4.1



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: 0.342 ng

RT: 10.83 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

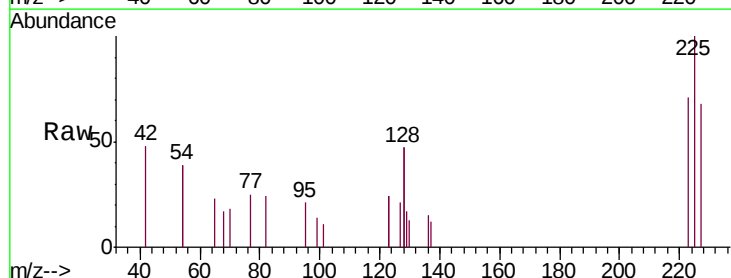
Tgt Ion:225 Resp: 767

Ion Ratio Lower Upper

225 100

223 64.0 52.2 78.4

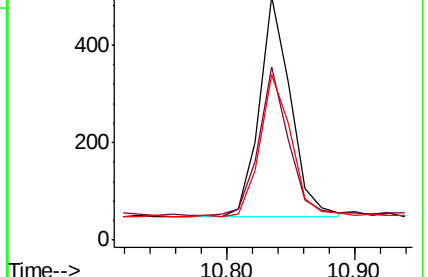
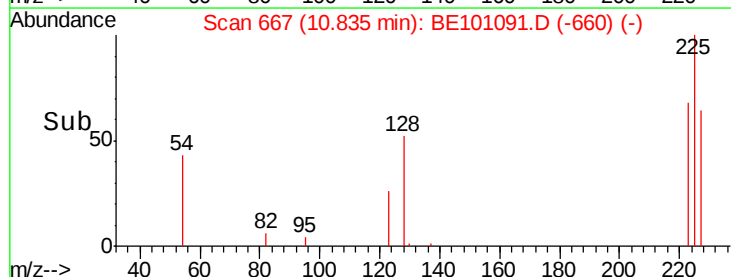
227 64.8 49.9 74.9



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

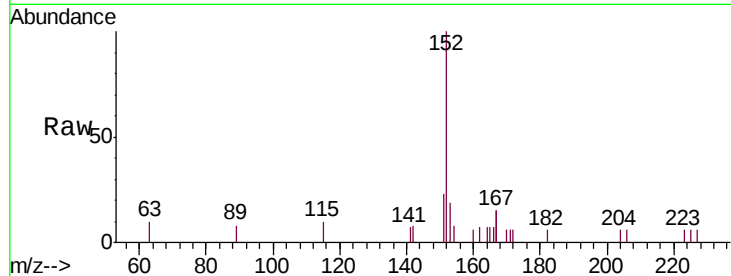




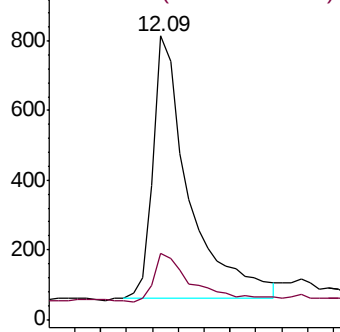
#11
 2-Methylnaphthalene-d10
 Concen: 0.321 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.02 min
 Lab File: BE101091.D
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 PF-1MSD

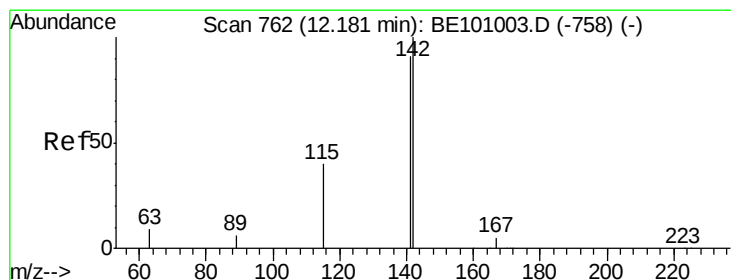
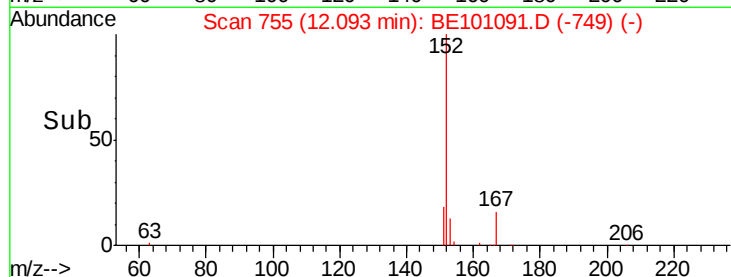
Tgt Ion:152 Resp: 2921
 Ion Ratio Lower Upper
 152 100
 151 20.2 15.0 22.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

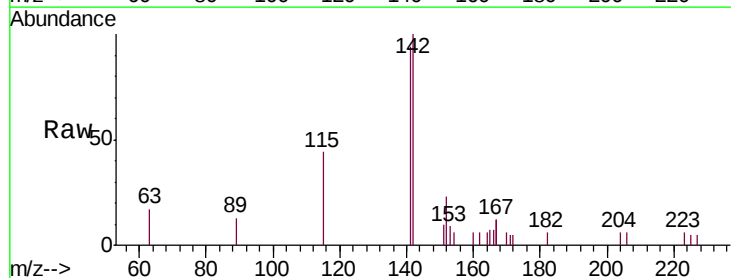


Time-->

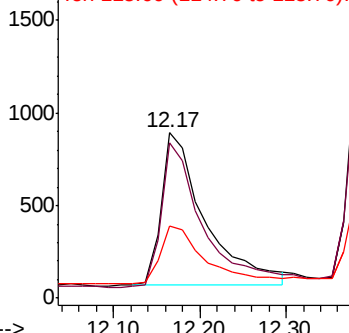


#12
 2-Methylnaphthalene
 Concen: 0.363 ng
 RT: 12.17 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: BE101091.D
 Acq: 17 Jan 2020 18:57

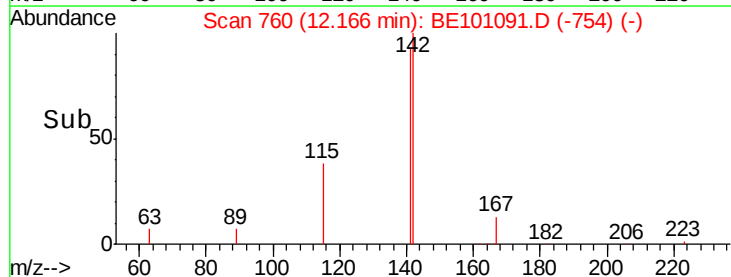
Tgt Ion:142 Resp: 2909
 Ion Ratio Lower Upper
 142 100
 141 93.9 72.5 108.7
 115 44.1 33.0 49.6



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E



Time-->

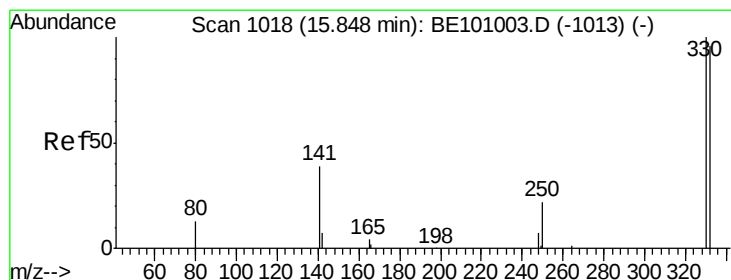
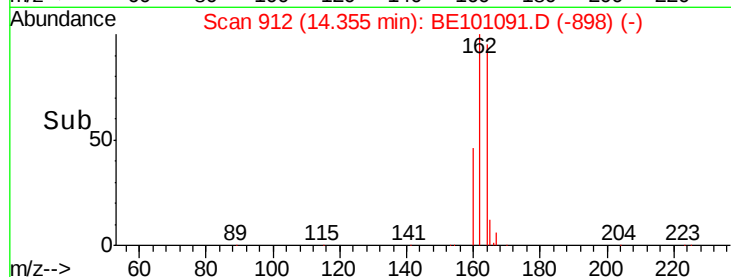
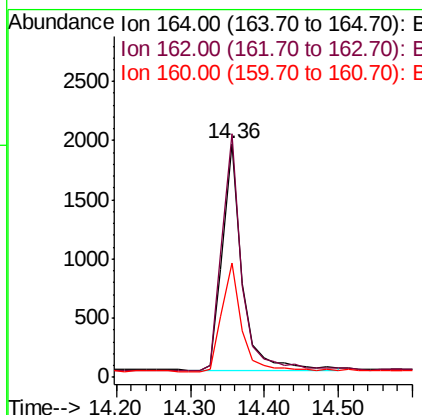
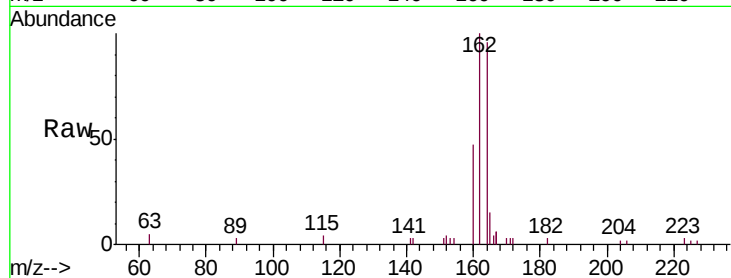




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.36 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: BE101091.D
 Acq: 17 Jan 2020 18:57

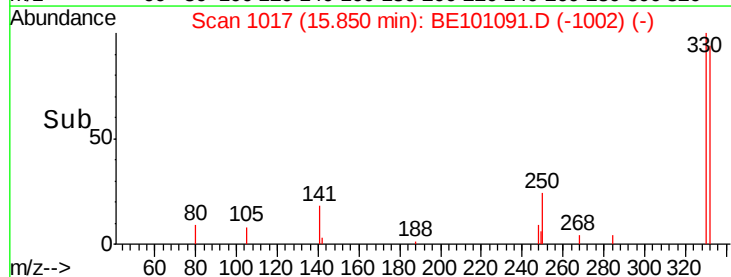
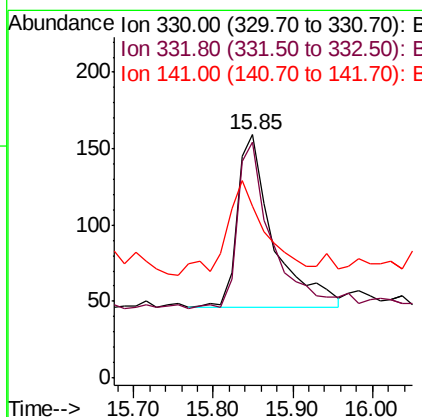
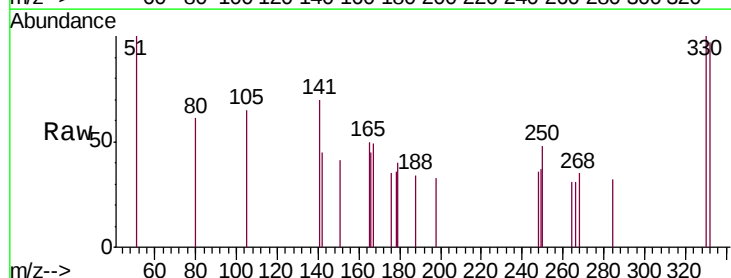
Instrument :
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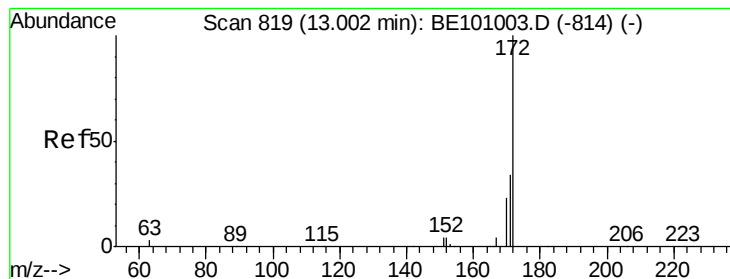
Tgt Ion:164 Resp: 3537
 Ion Ratio Lower Upper
 164 100
 162 104.1 84.1 126.1
 160 49.0 40.4 60.6



#14
 2,4,6-Tribromophenol
 Concen: 0.357 ng
 RT: 15.85 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: BE101091.D
 Acq: 17 Jan 2020 18:57

Tgt Ion:330 Resp: 356
 Ion Ratio Lower Upper
 330 100
 332 96.3 78.4 117.6
 141 60.1 37.0 55.4#





#15

2-Fluorobiphenyl

Concen: 0.347 ng

RT: 12.99 min Scan# 817

Delta R.T. -0.02 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

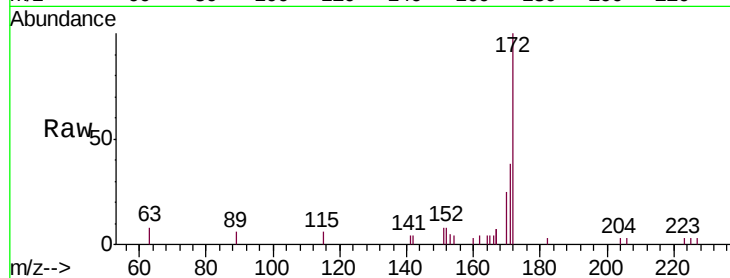
Tgt Ion:172 Resp: 4660

Ion Ratio Lower Upper

172 100

171 37.6 28.2 42.2

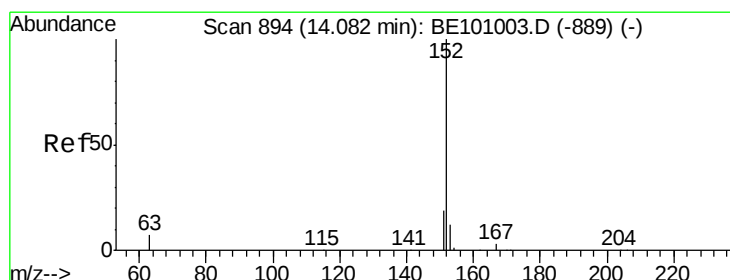
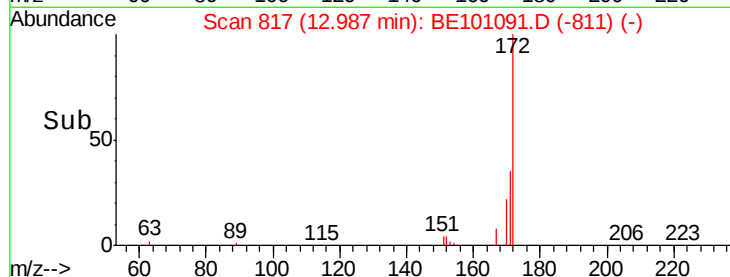
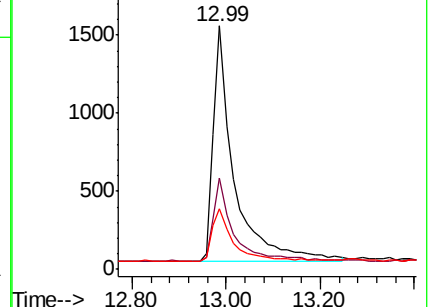
170 24.8 18.9 28.3



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



#16

Acenaphthylene

Concen: 0.342 ng

RT: 14.07 min Scan# 892

Delta R.T. -0.02 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

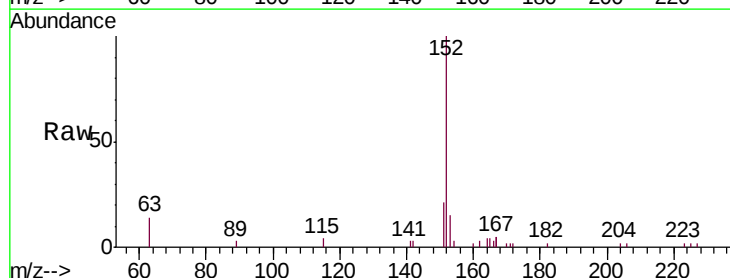
Tgt Ion:152 Resp: 4927

Ion Ratio Lower Upper

152 100

151 20.0 15.5 23.3

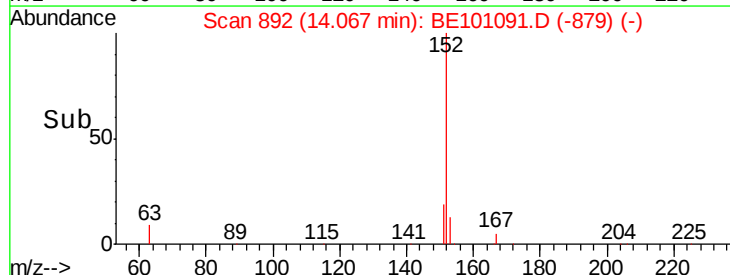
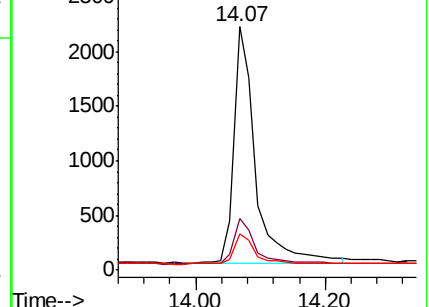
153 13.3 10.4 15.6

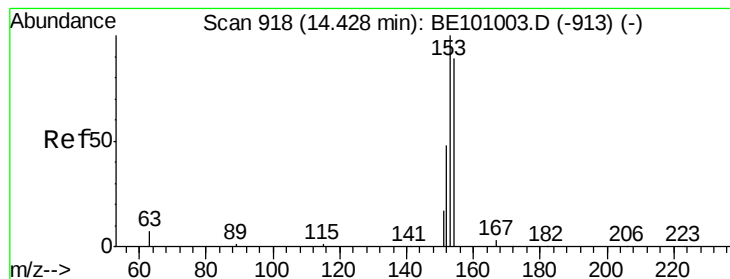


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#17

Acenaphthene

Concen: 0.331 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.02 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

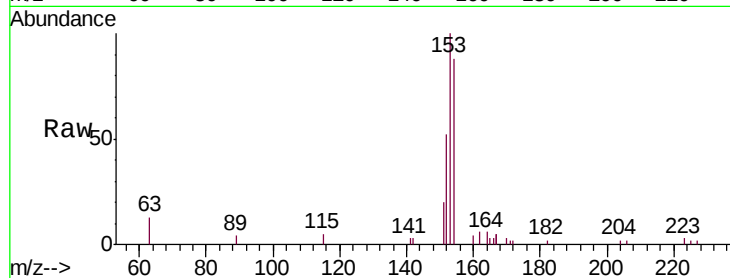
Tgt Ion:154 Resp: 3410

Ion Ratio Lower Upper

154 100

153 113.6 93.6 140.4

152 58.0 46.3 69.5

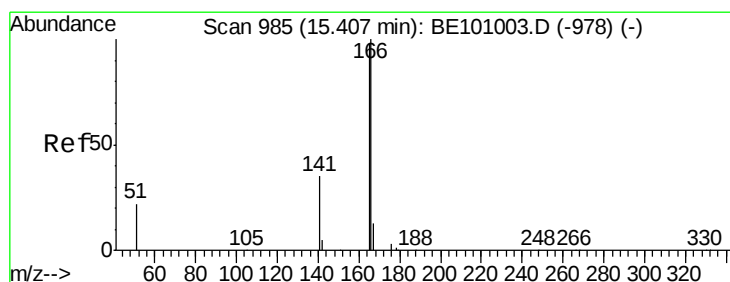
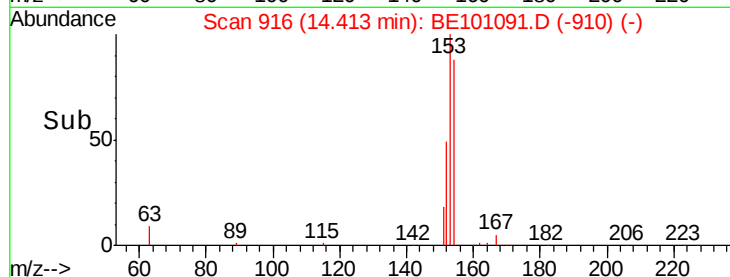
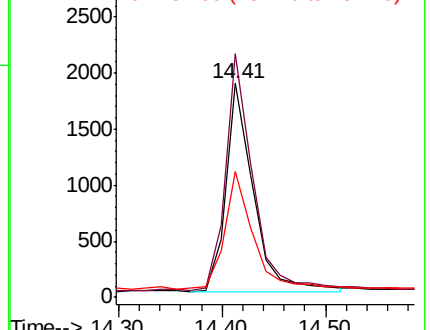


Abundance

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: 0.347 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

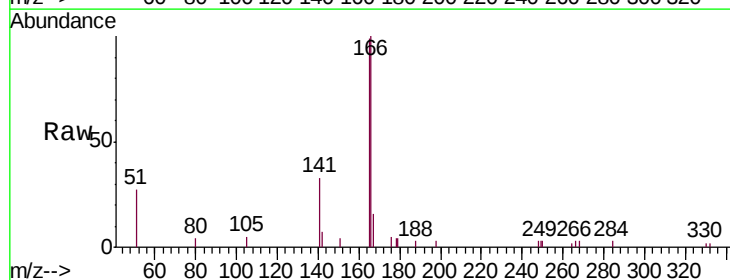
Tgt Ion:166 Resp: 4521

Ion Ratio Lower Upper

166 100

165 101.2 79.8 119.8

167 14.0 11.0 16.6

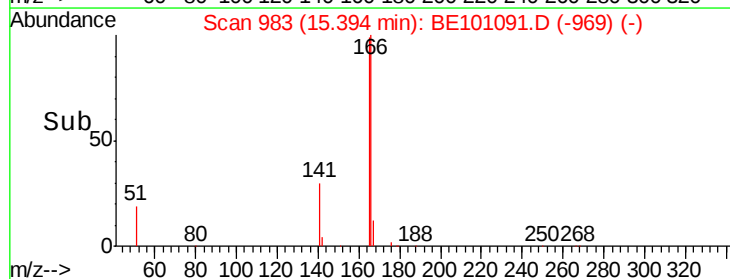
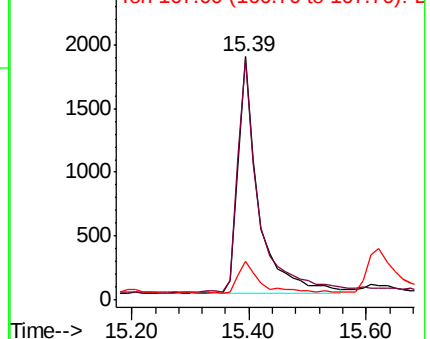


Abundance

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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

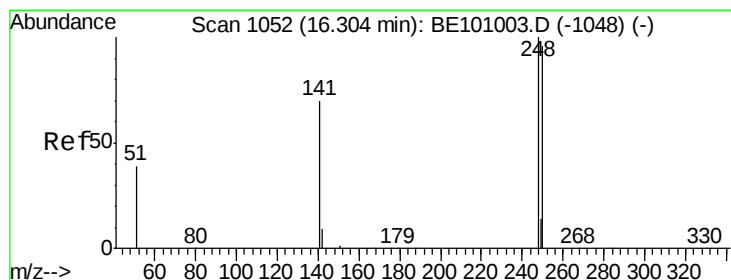
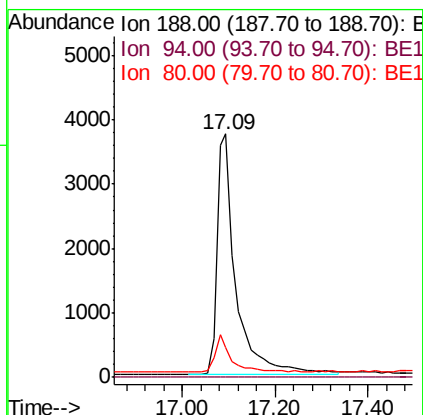
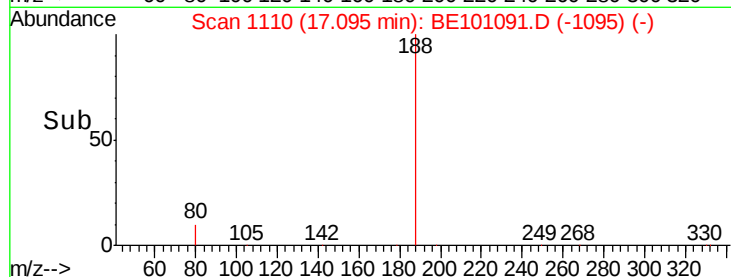
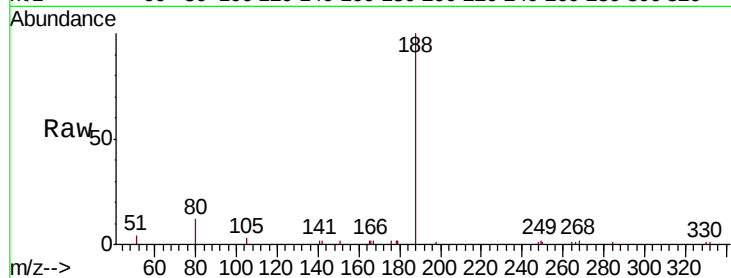
Tgt Ion:188 Resp: 10665

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 10.8 16.2



#20

4-Bromophenyl-phenylether

Concen: 0.285 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

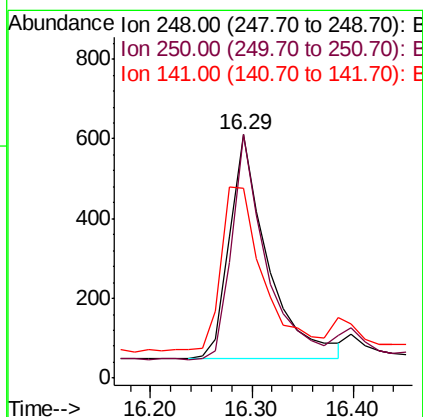
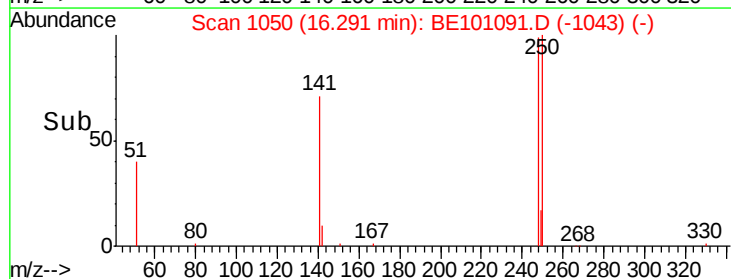
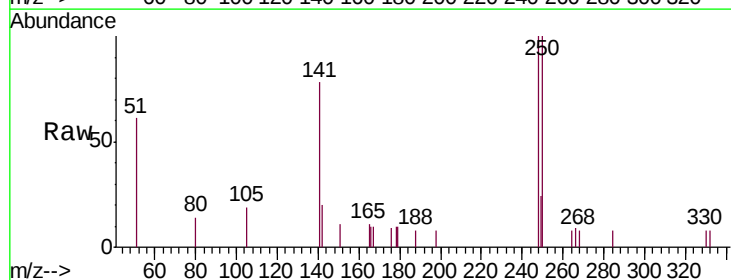
Tgt Ion:248 Resp: 1480

Ion Ratio Lower Upper

248 100

250 100.2 76.6 115.0

141 77.9 57.7 86.5





#21

Hexachlorobenzene

Concen: 0.274 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

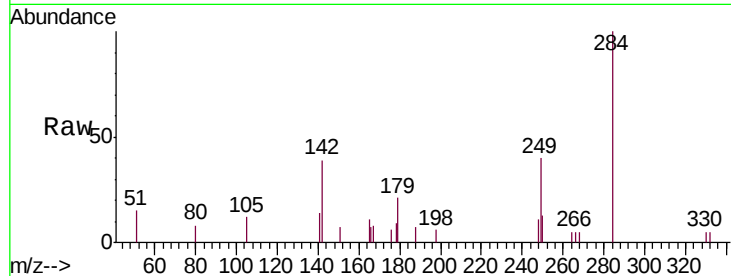
Tgt Ion:284 Resp: 1561

Ion Ratio Lower Upper

284 100

142 42.5 34.0 51.0

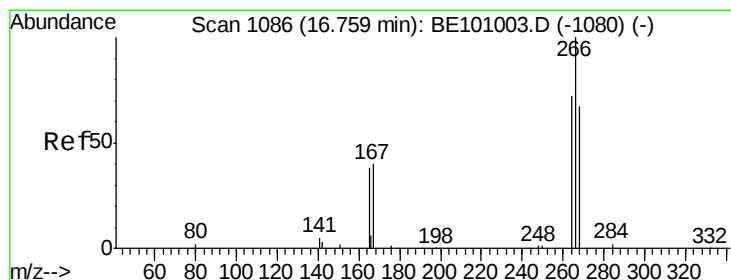
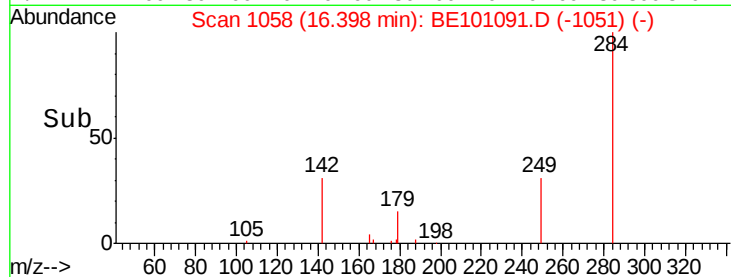
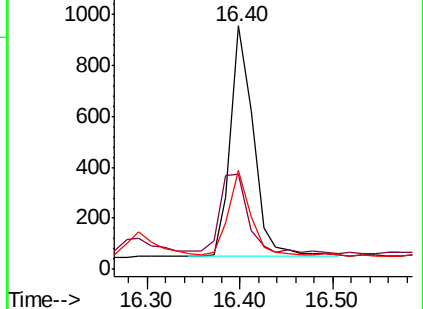
249 34.7 28.2 42.4



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: 0.348 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

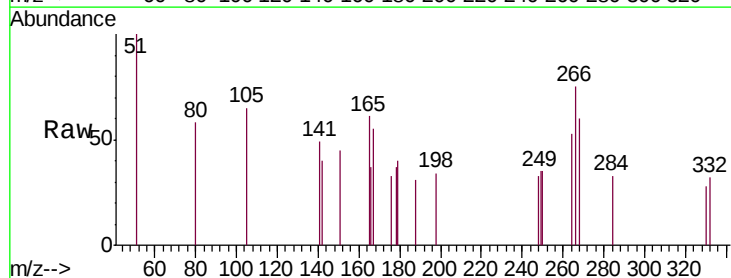
Tgt Ion:266 Resp: 196

Ion Ratio Lower Upper

266 100

264 70.9 61.0 91.4

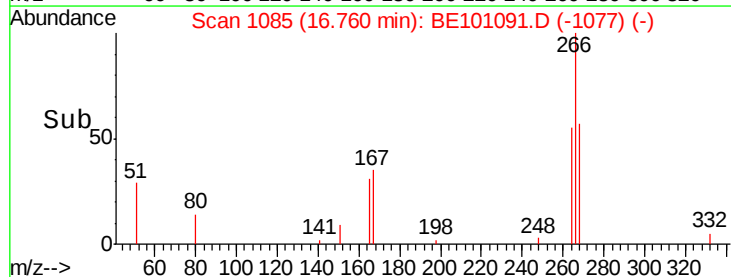
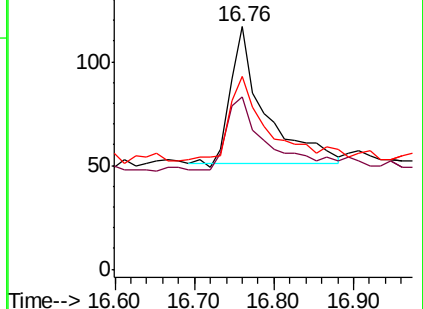
268 79.5 58.5 87.7



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: 0.333 ng

RT: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

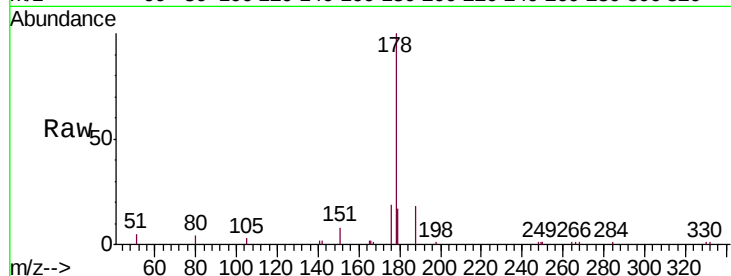
Tgt Ion:178 Resp: 9706

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

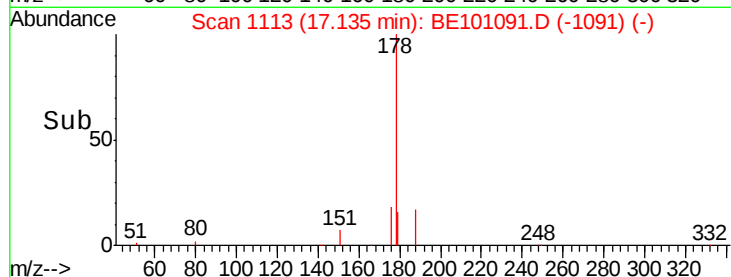
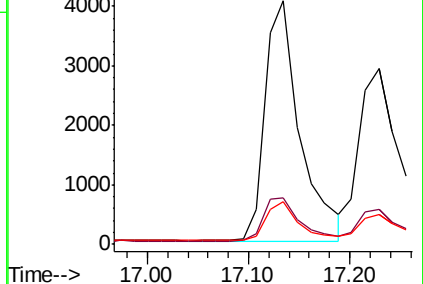
179 15.4 12.0 18.0



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: 0.350 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

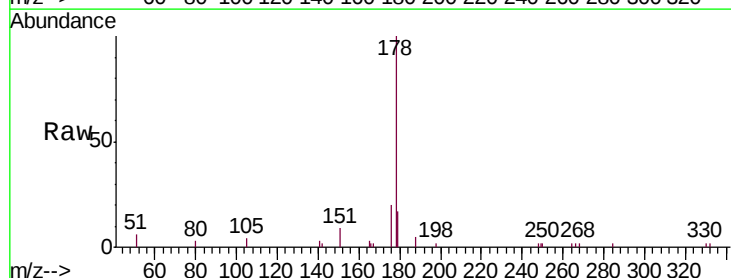
Tgt Ion:178 Resp: 9621

Ion Ratio Lower Upper

178 100

176 17.6 14.8 22.2

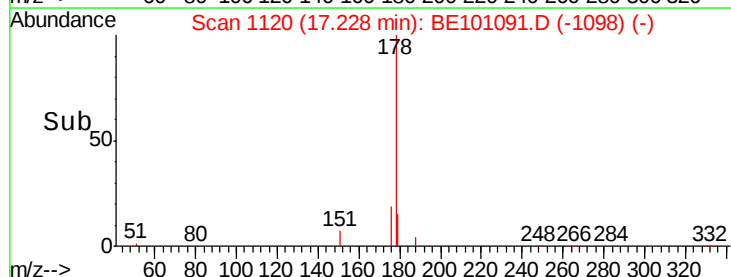
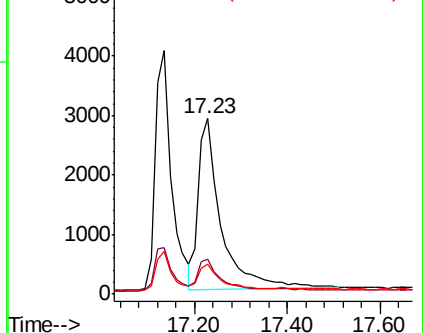
179 13.1 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

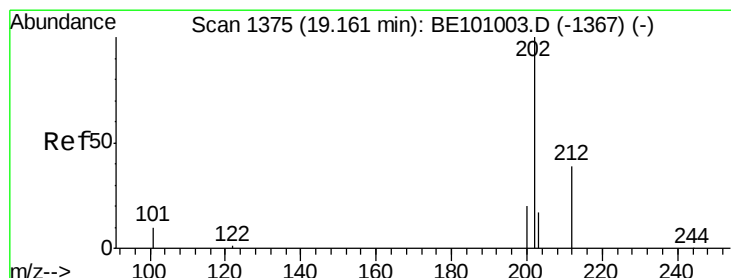
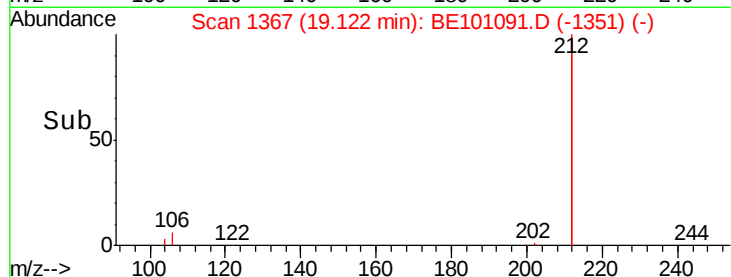
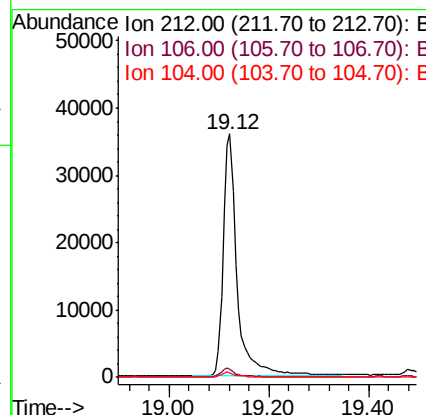
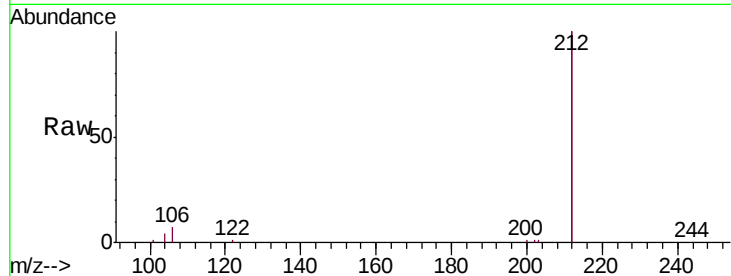




#25
 Fluoranthene-d10
 Concen: 0.470 ng
 RT: 19.12 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: BE101091.D
 Acq: 17 Jan 2020 18:57

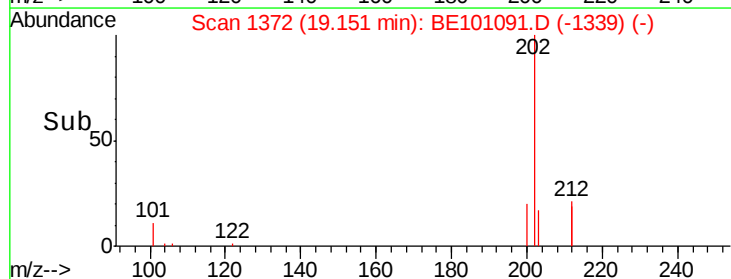
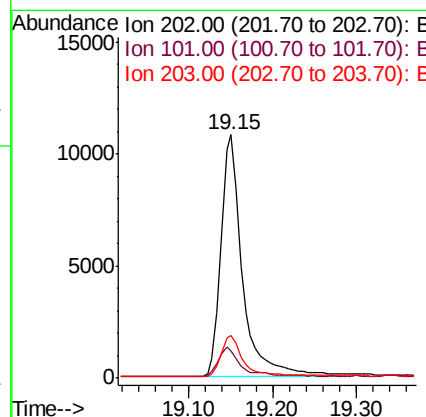
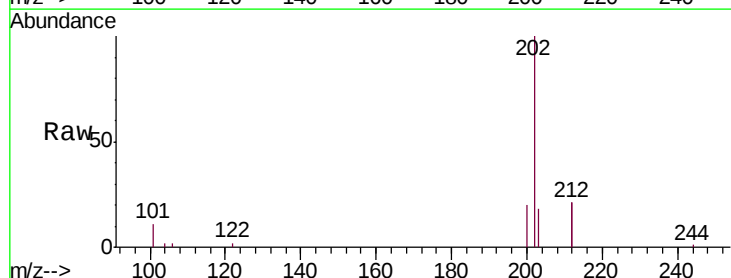
Instrument :
 BNA_E
 ClientSampleId :
 PF-1MSD

Tgt Ion: 212 Resp: 69558
 Ion Ratio Lower Upper
 212 100
 106 3.5 2.6 3.8
 104 1.9 1.4 2.0



#26
 Fluoranthene
 Concen: 0.532 ng
 RT: 19.15 min Scan# 1372
 Delta R.T. -0.01 min
 Lab File: BE101091.D
 Acq: 17 Jan 2020 18:57

Tgt Ion: 202 Resp: 19400
 Ion Ratio Lower Upper
 202 100
 101 11.9 9.6 14.4
 203 17.0 13.8 20.6

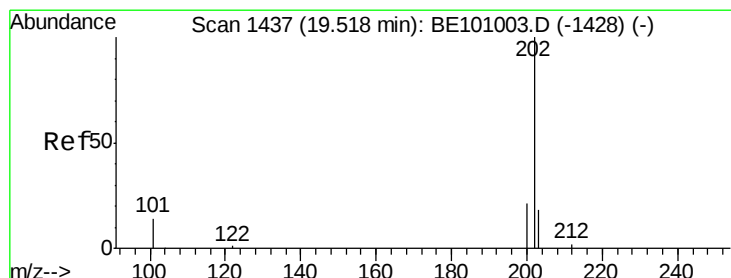
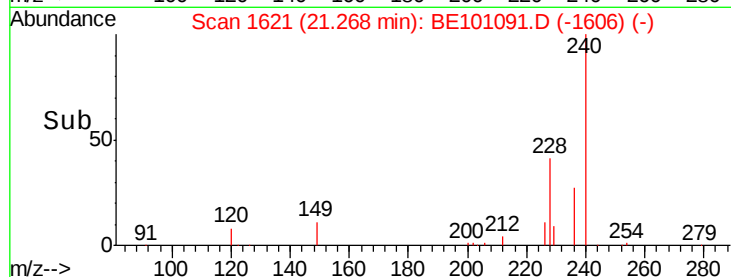
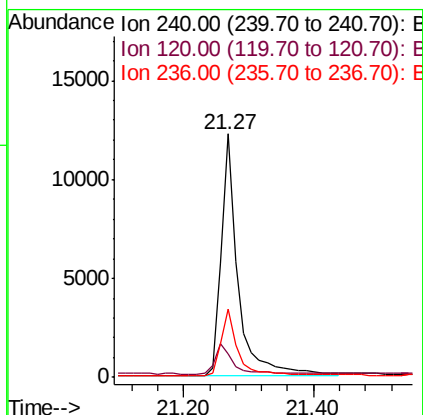
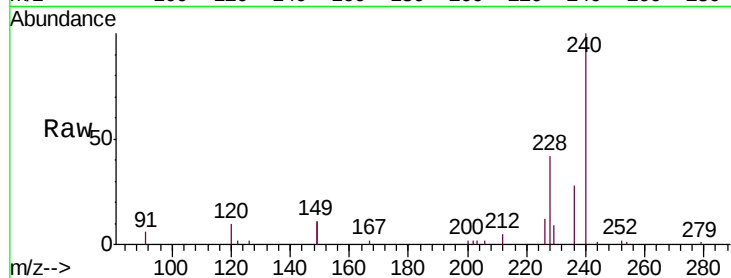




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

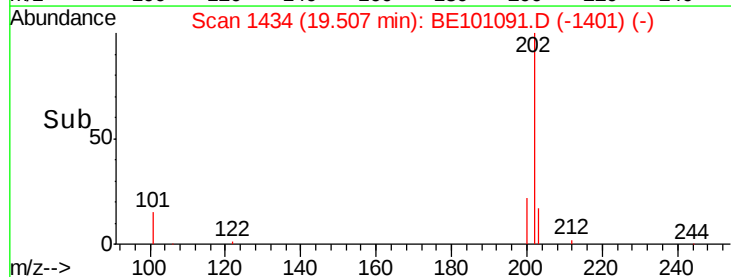
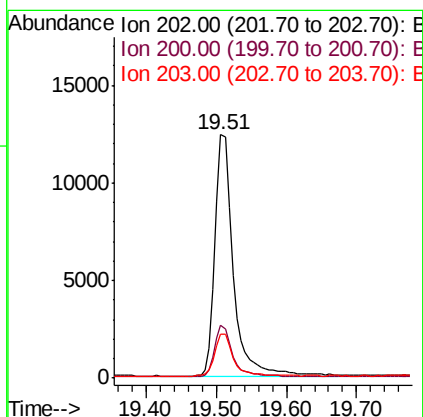
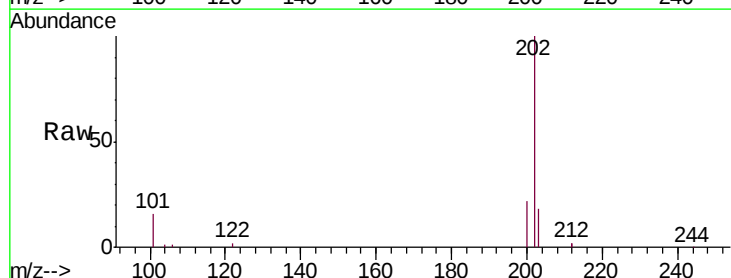
Instrument :
BNA_E
ClientSampleId :
PF-1MSD

Tgt Ion:240 Resp: 22750
Ion Ratio Lower Upper
240 100
120 9.6 8.6 13.0
236 27.9 22.2 33.4



#28
Pyrene
Concen: 0.267 ng
RT: 19.51 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE101091.D
Acq: 17 Jan 2020 18:57

Tgt Ion:202 Resp: 22636
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.8 13.8 20.6





#29

Terphenyl-d14

Concen: 0.284 ng

RT: 19.73 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

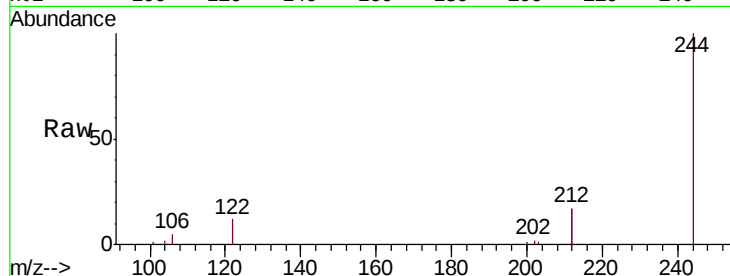
Tgt Ion:244 Resp: 15886

Ion Ratio Lower Upper

244 100

212 33.5 27.2 40.8

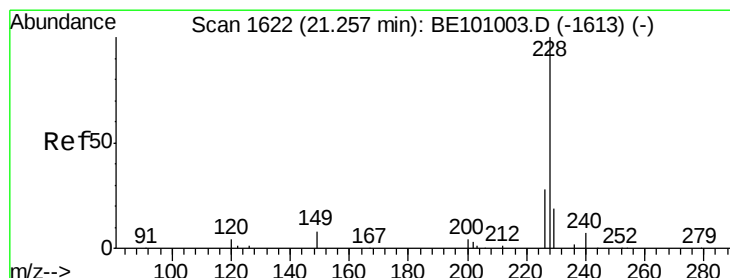
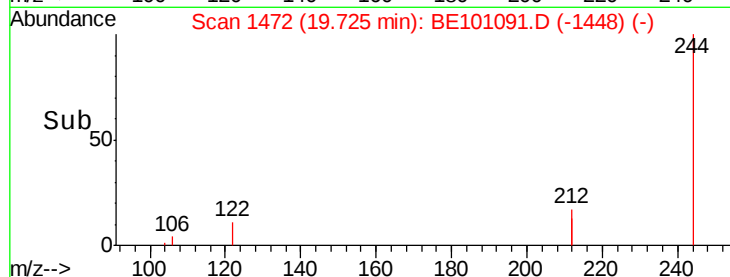
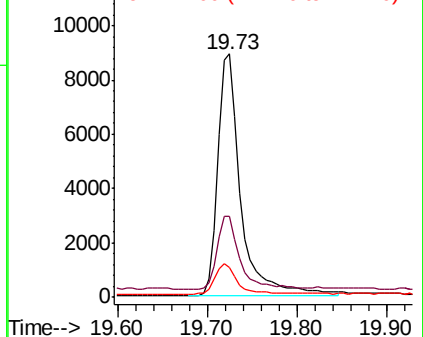
122 12.3 9.8 14.8



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: 0.403 ng

RT: 21.26 min Scan# 1620

Delta R.T. -0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

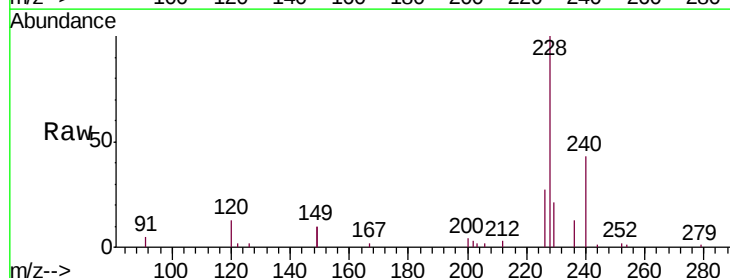
Tgt Ion:228 Resp: 26154

Ion Ratio Lower Upper

228 100

226 26.5 22.7 34.1

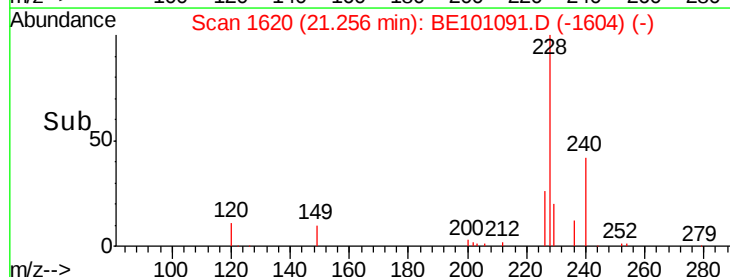
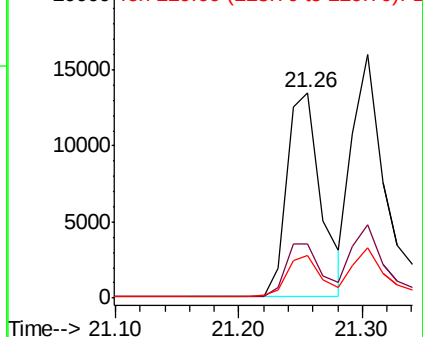
229 20.6 15.5 23.3



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: 0.347 ng

RT: 21.30 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

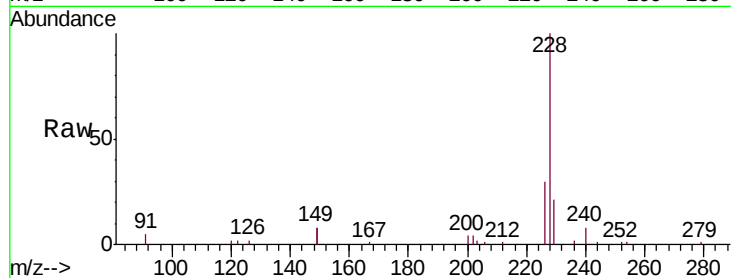
Tgt Ion:228 Resp: 33518

Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

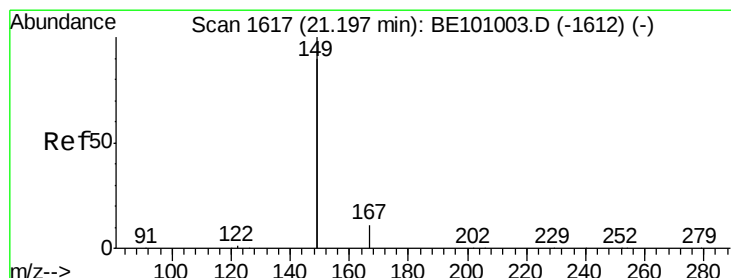
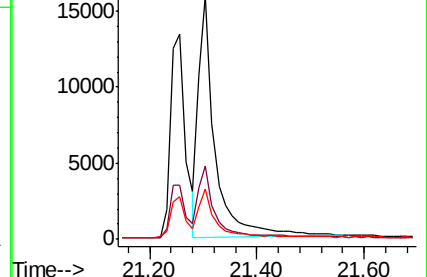
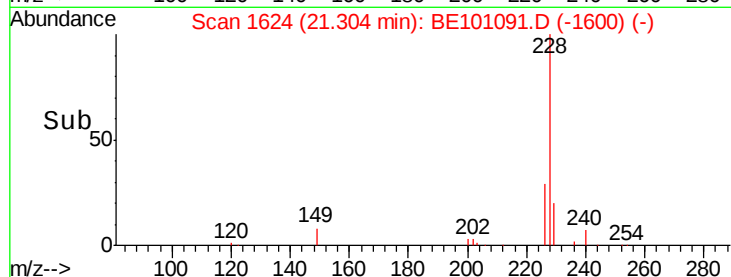
229 20.7 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.650 ng

RT: 21.20 min Scan# 1615

Delta R.T. -0.00 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

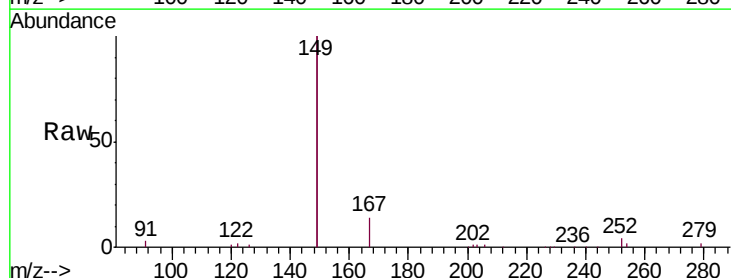
Tgt Ion:149 Resp: 70364

Ion Ratio Lower Upper

149 100

167 6.5 5.2 7.8

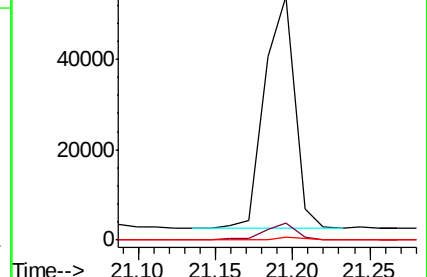
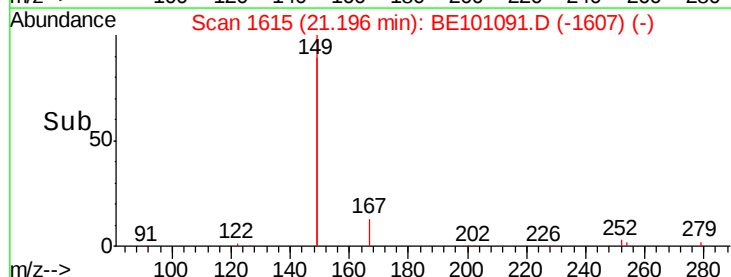
279 0.9 0.8 1.2



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.305 ng

RT: 26.22 min Scan# 2855

Delta R.T. -0.02 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

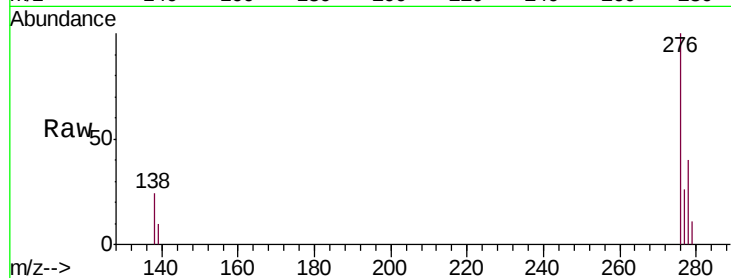
Tgt Ion:276 Resp: 23280

Ion Ratio Lower Upper

276 100

138 24.1 16.1 24.1#

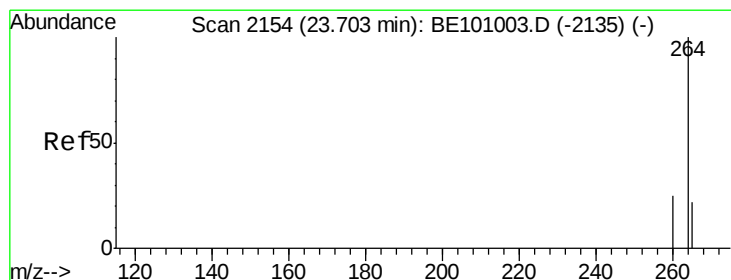
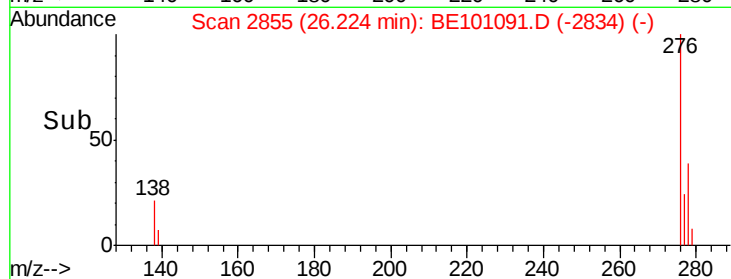
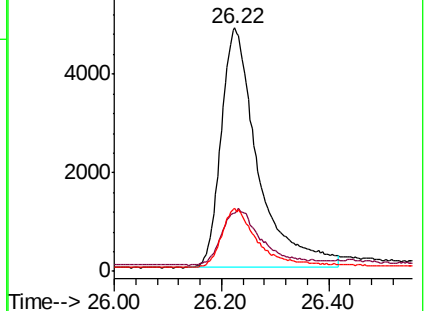
277 23.9 18.1 27.1



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: 23.68 min Scan# 2147

Delta R.T. -0.02 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

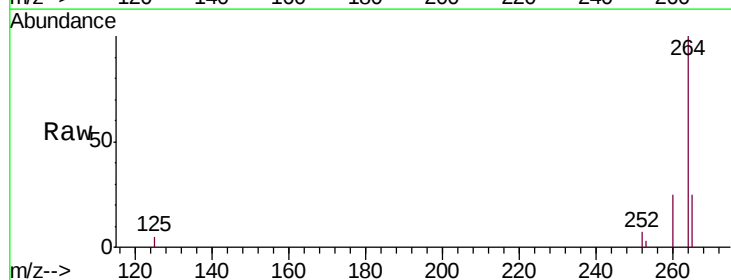
Tgt Ion:264 Resp: 24951

Ion Ratio Lower Upper

264 100

260 24.6 20.3 30.5

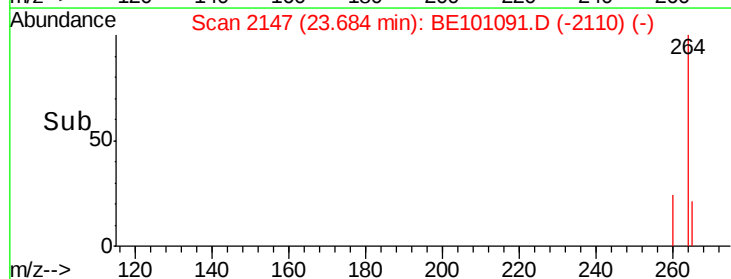
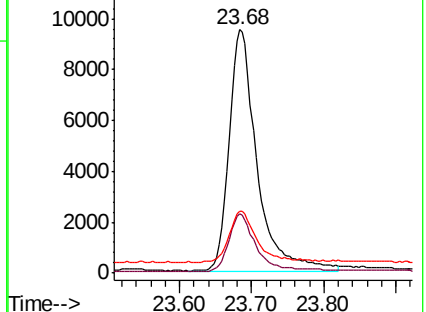
265 25.3 27.0 40.4#



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: 0.349 ng

RT: 22.95 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

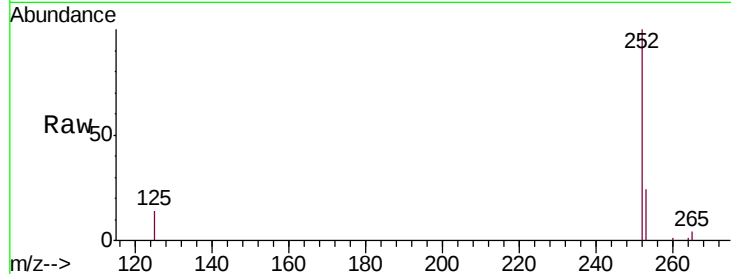
Tgt Ion:252 Resp: 24432

Ion Ratio Lower Upper

252 100

253 23.8 18.5 27.7

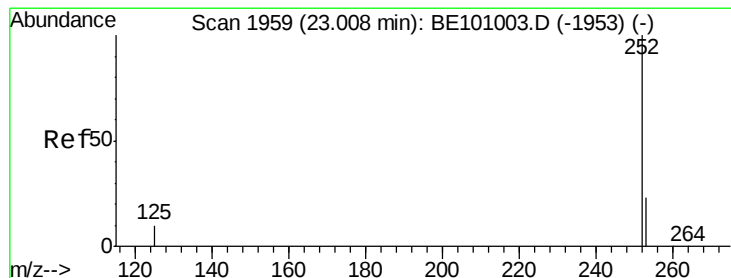
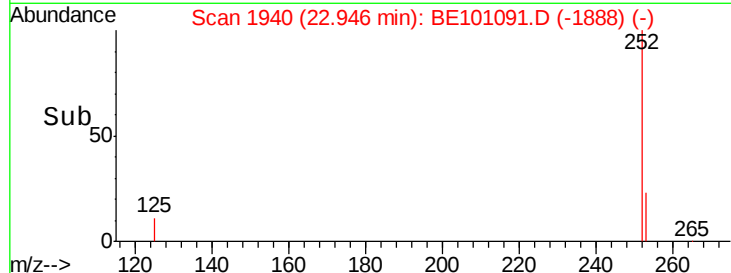
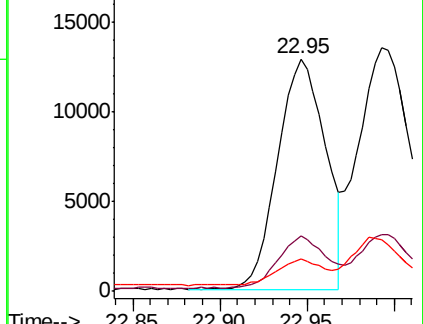
125 13.9 9.5 14.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.241 ng

RT: 22.95 min Scan# 1940

Delta R.T. -0.06 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

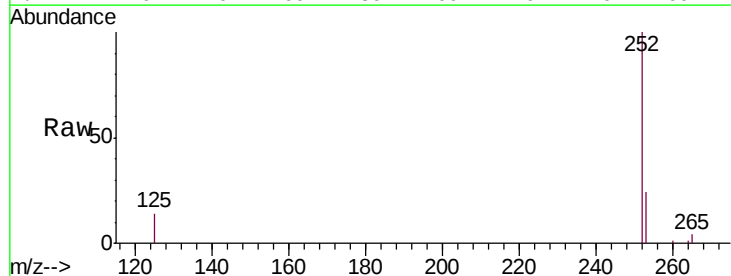
Tgt Ion:252 Resp: 24432

Ion Ratio Lower Upper

252 100

253 23.8 18.9 28.3

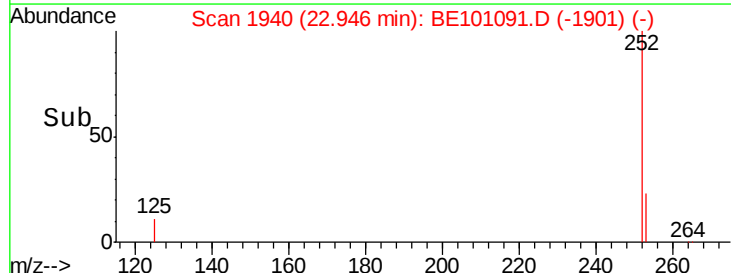
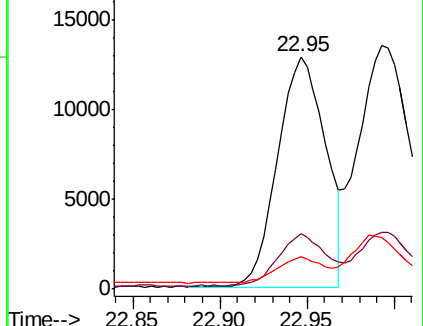
125 13.9 10.1 15.1

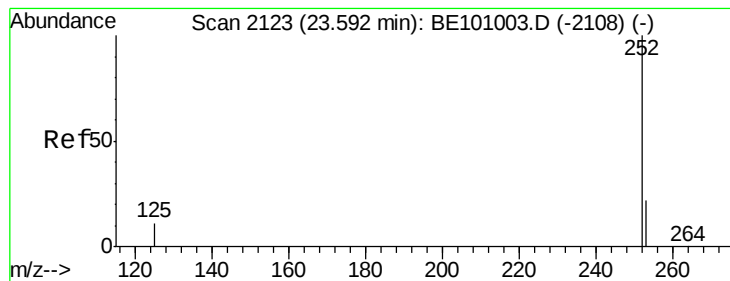


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.365 ng

RT: 23.58 min Scan# 2117

Delta R.T. -0.01 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD

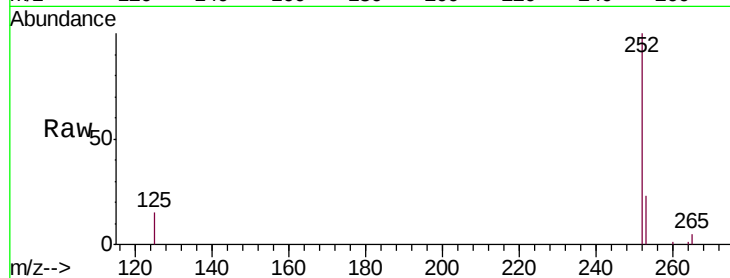
Tgt Ion:252 Resp: 24682

Ion Ratio Lower Upper

252 100

253 23.2 19.4 29.2

125 15.2 11.8 17.6

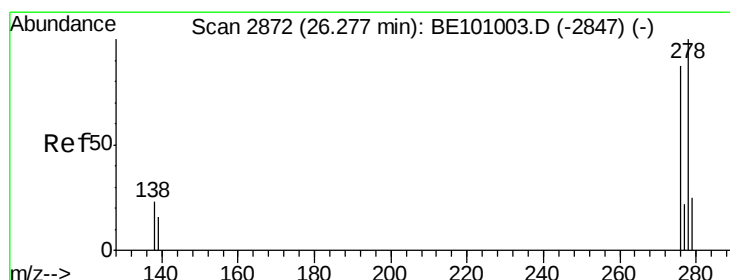
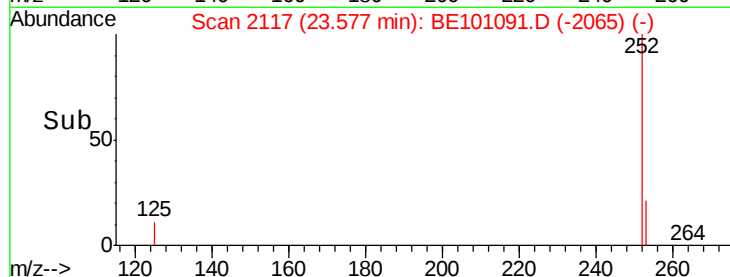
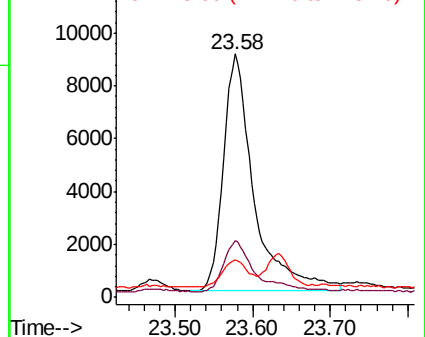


Abundance

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: 0.285 ng

RT: 26.25 min Scan# 2862

Delta R.T. -0.03 min

Lab File: BE101091.D

Acq: 17 Jan 2020 18:57

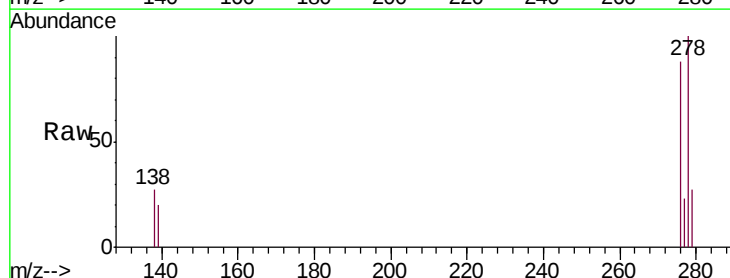
Tgt Ion:278 Resp: 17747

Ion Ratio Lower Upper

278 100

139 19.9 15.0 22.4

279 26.7 22.6 33.8

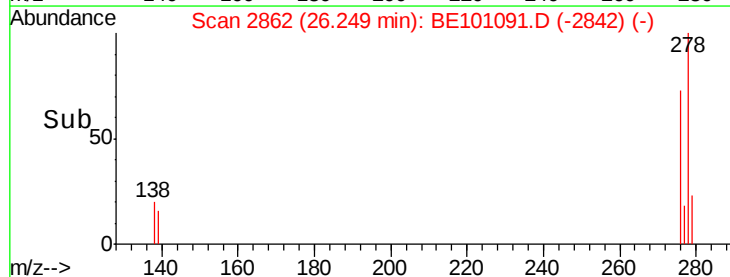
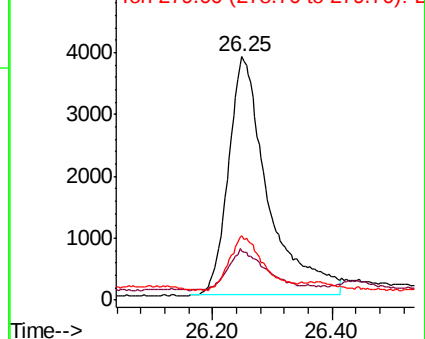


Abundance

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: 0.276 ng

RT: 27.01 min Scan# 3074

Delta R.T. -0.02 min

Lab File: BE101091.D

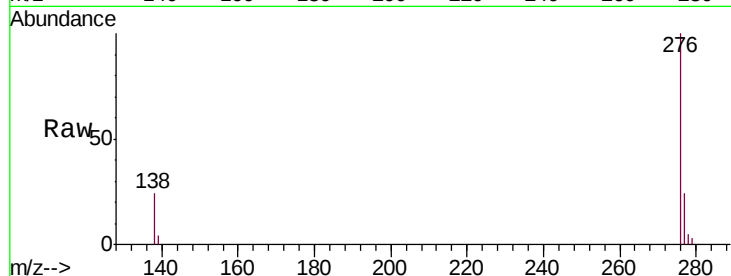
Acq: 17 Jan 2020 18:57

Instrument :

BNA_E

ClientSampleId :

PF-1MSD



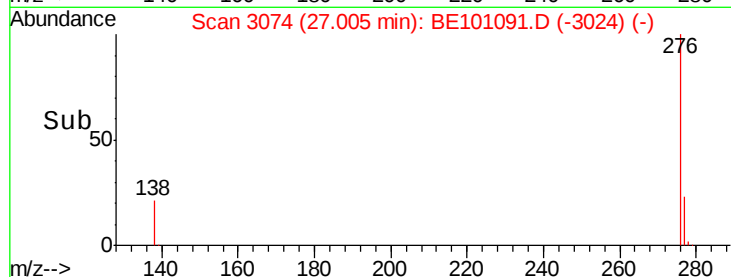
Tgt Ion: 276 Resp: 21135

Ion Ratio Lower Upper

276 100

277 24.1 19.4 29.2

138 24.0 17.9 26.9



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

