

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121119\
 Data File : BE100846.D
 Acq On : 11 Dec 2019 14:38
 Operator : JU
 Sample : K6185-08MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE131D2-20191205MSD

Quant Time: Dec 11 15:14:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 17:18:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4950	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	21474	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	12237	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	31448	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	28935	0.40	ng	0.00
34) Perylene-d12	23.74	264	33349	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.38	112	2541	0.22	ng	0.00
5) Phenol-d6	6.93	99	2348	0.13	ng	0.00
8) Nitrobenzene-d5	8.90	82	5796	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	21068	0.68	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1086	0.80	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	19443	0.40	ng	-0.01
25) Fluoranthene-d10	19.16	212	151873	0.41	ng	0.00
29) Terphenyl-d14	19.76	244	29170	0.42	ng	0.00

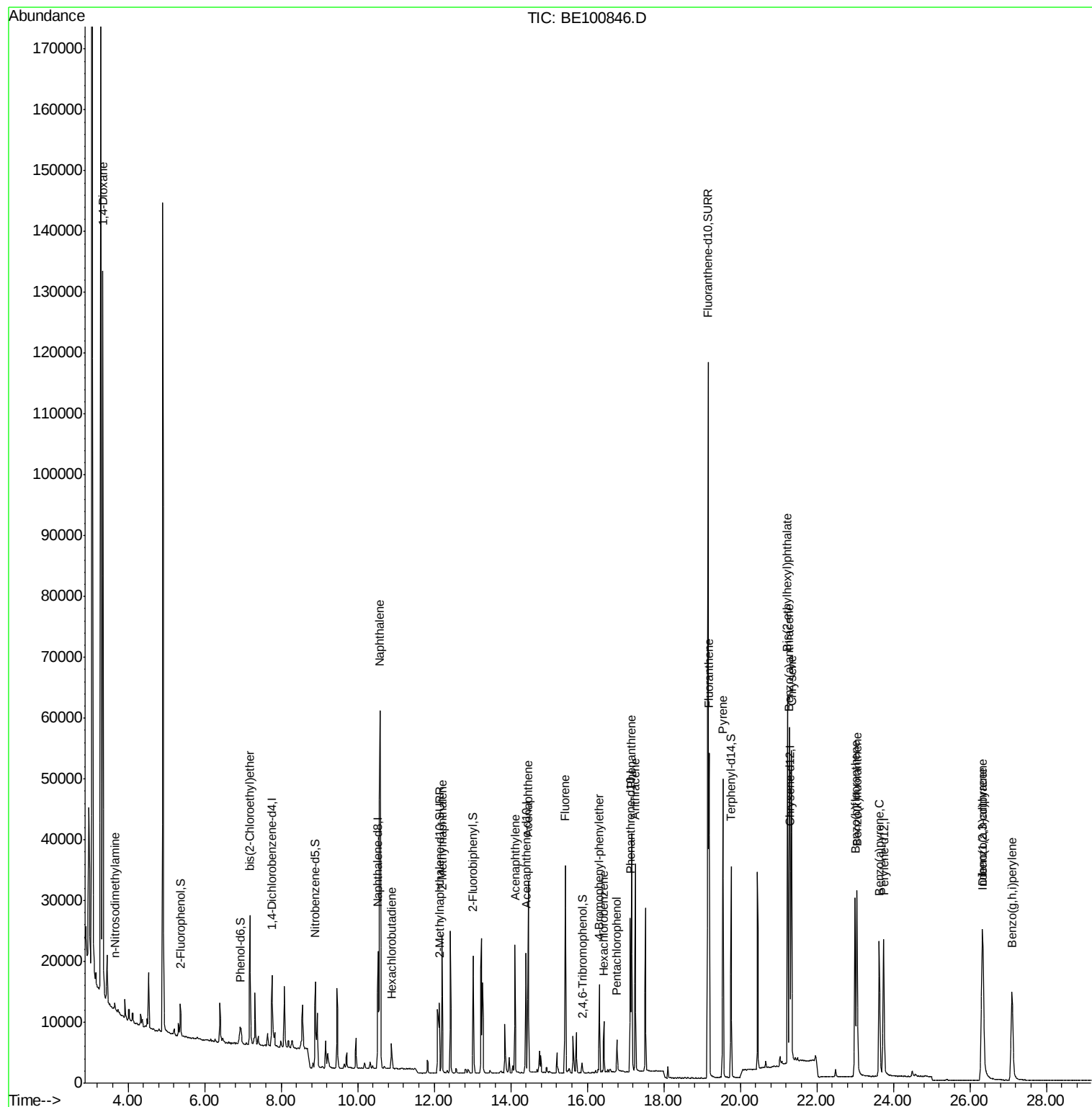
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	71043	7.872	ng	90
3) n-Nitrosodimethylamine	3.65	42	1256	0.171	ng	84
6) bis(2-Chloroethyl)ether	7.18	93	7209	0.421	ng	96
9) Naphthalene	10.59	128	96601	0.423	ng	100
10) Hexachlorobutadiene	10.89	225	2634	0.296	ng	99
12) 2-Methylnaphthalene	12.21	142	15414	0.433	ng	98
16) Acenaphthylene	14.11	152	23100	0.456	ng	99
17) Acenaphthene	14.46	154	15087	0.432	ng	98
18) Fluorene	15.42	166	20562	0.457	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	6085	0.394	ng	# 68
21) Hexachlorobenzene	16.44	284	5981	0.357	ng	99
22) Pentachlorophenol	16.77	266	2984	2.574	ng	# 82
23) Phenanthrene	17.16	178	40199	0.422	ng	100
24) Anthracene	17.26	178	34108	0.428	ng	98
26) Fluoranthene	19.19	202	46209	0.406	ng	100
28) Pyrene	19.55	202	46019	0.489	ng	100
30) Benzo(a)anthracene	21.28	228	45766	0.537	ng	98
31) Chrysene	21.34	228	45836	0.457	ng	97
32) Bis(2-ethylhexyl)phthalate	21.23	149	75936	1.125	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	41548	0.476	ng	100
35) Benzo(b)fluoranthene	23.00	252	41888	0.459	ng	100
36) Benzo(k)fluoranthene	23.05	252	45399	0.443	ng	99
37) Benzo(a)pyrene	23.63	252	37566	0.475	ng	99
38) Dibenzo(a,h)anthracene	26.35	278	33522	0.426	ng	98
39) Benzo(g,h,i)perylene	27.11	276	36499	0.434	ng	99

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

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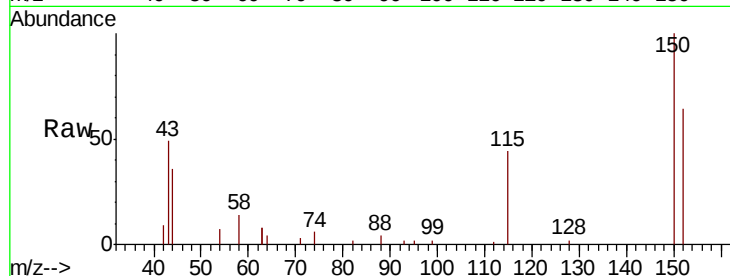


#1

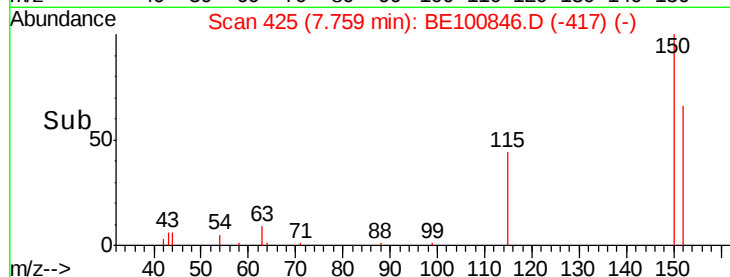
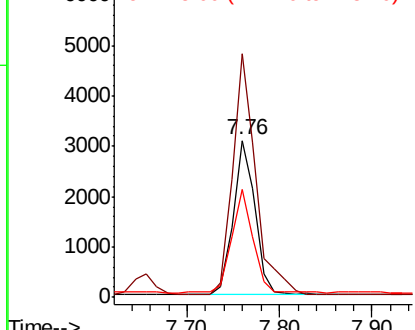
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tot Ion:152 Resp: 4950
Ion Ratio Lower Upper
152 100
150 155.3 120.6 181.0
115 68.9 47.4 71.2



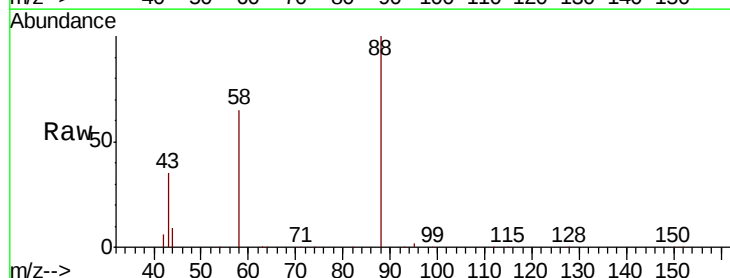
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



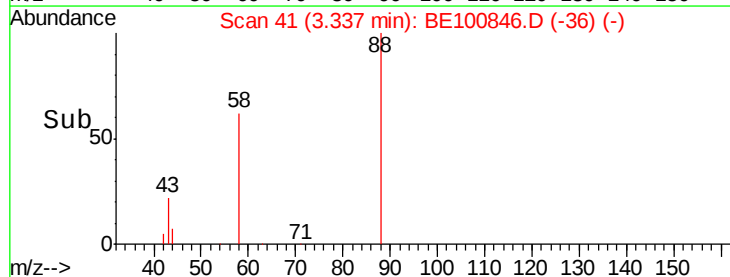
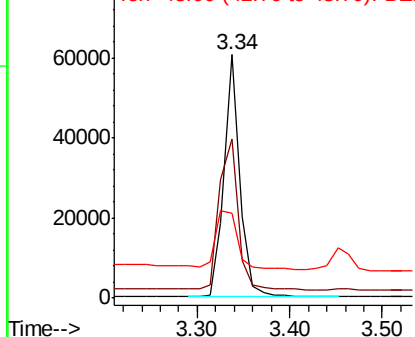
#2

1,4-Dioxane
Concen: 7.872 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion: 88 Resp: 71043
Ion Ratio Lower Upper
88 100
58 74.0 52.5 78.7
43 33.3 23.0 34.6



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: 0.171 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

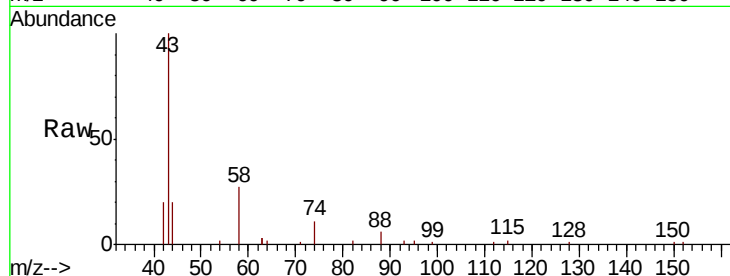
Tot Ion: 42 Resp: 1256

Ion Ratio Lower Upper

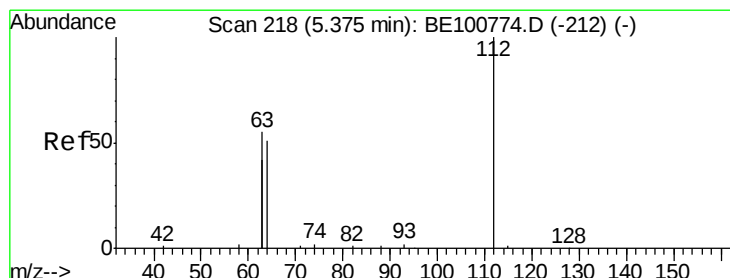
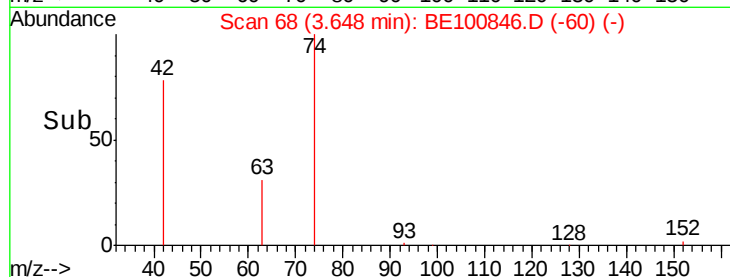
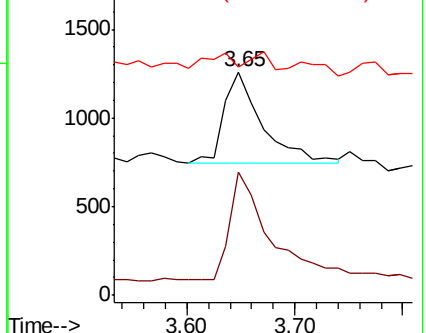
42 100

74 126.9 86.3 129.5

44 13.1 11.6 17.4



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: 0.216 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

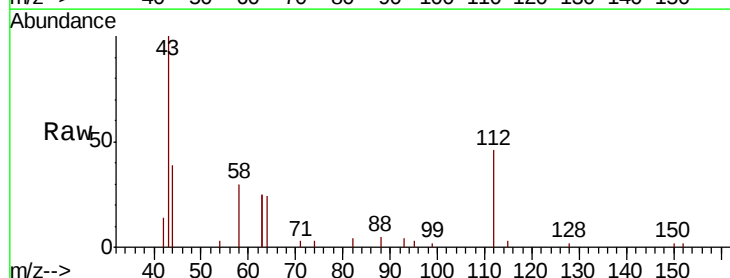
Tgt Ion: 112 Resp: 2541

Ion Ratio Lower Upper

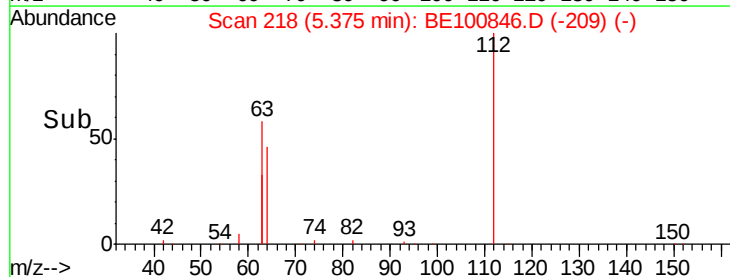
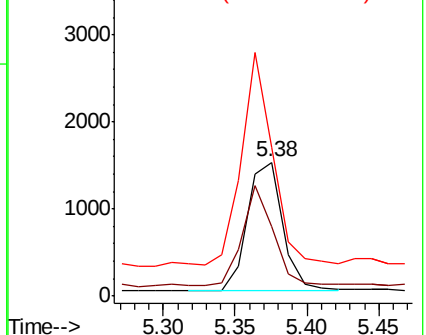
112 100

64 67.7 54.1 81.1

63 147.1 113.2 169.8



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: 0.132 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

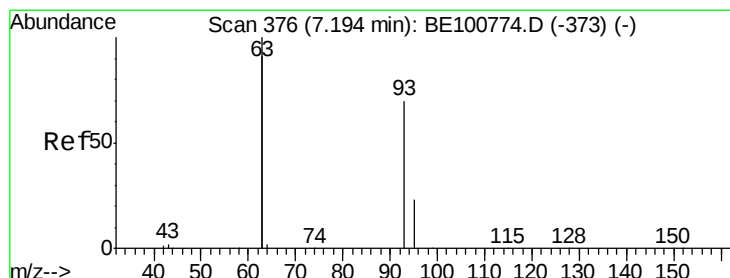
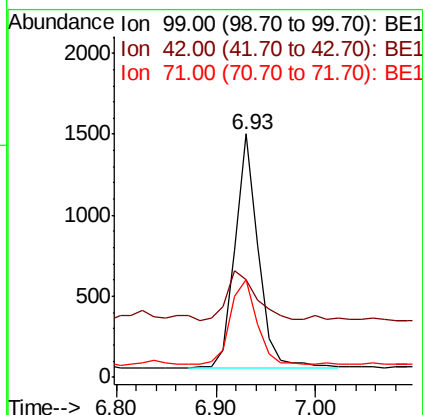
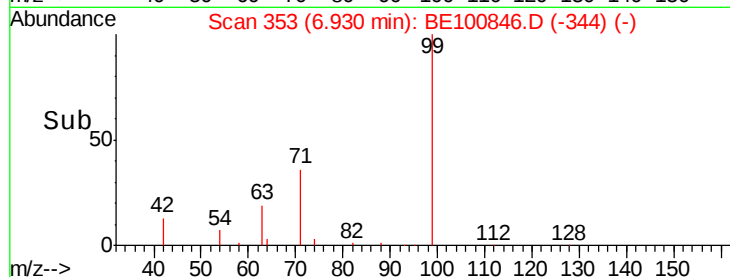
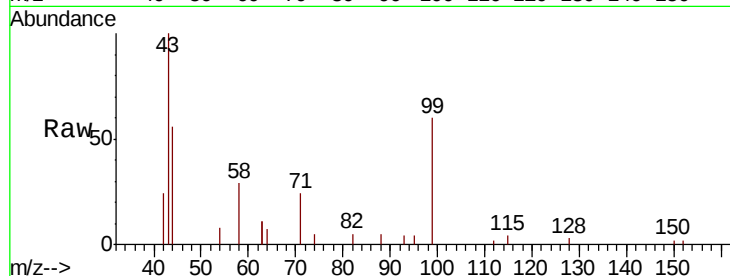
Tot Ion: 99 Resp: 2348

Ion Ratio Lower Upper

99 100

42 25.9 19.1 28.7

71 41.4 27.7 41.5



#6

bis(2-Chloroethyl)ether

Concen: 0.421 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

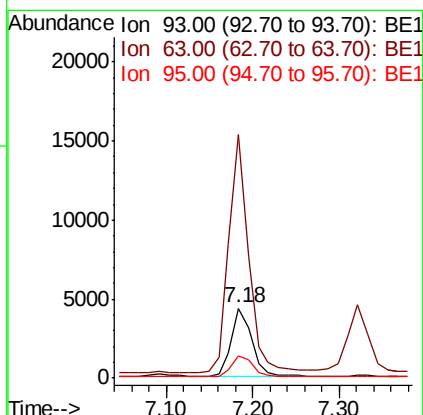
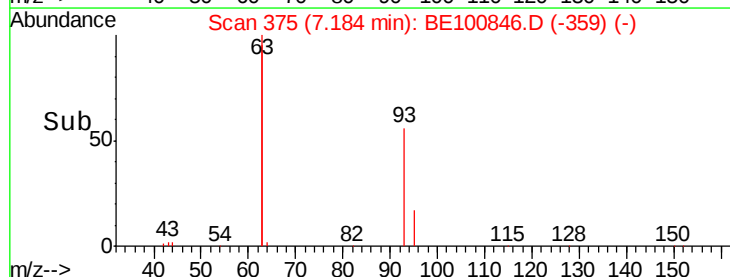
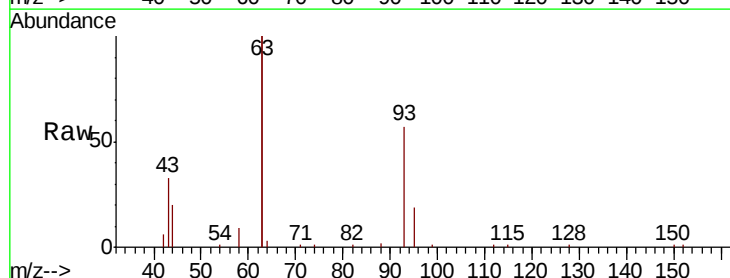
Tgt Ion: 93 Resp: 7209

Ion Ratio Lower Upper

93 100

63 332.3 259.4 389.0

95 32.9 26.2 39.2





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

Tot Ion:136 Resp: 21474

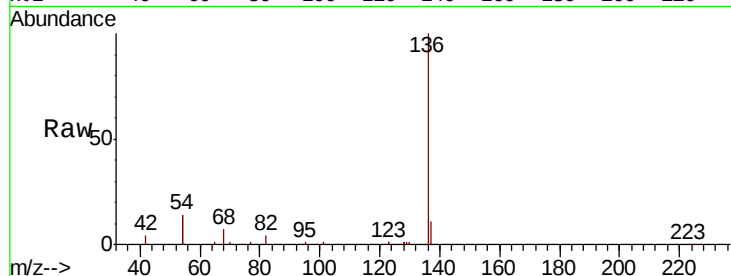
Ion Ratio Lower Upper

136 100

137 10.8 9.4 14.0

54 29.0 31.1 46.7#

68 6.9 6.6 10.0

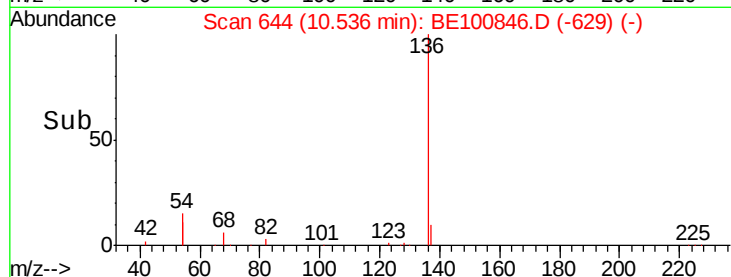
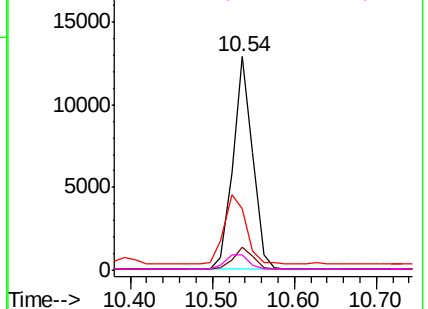


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.567 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

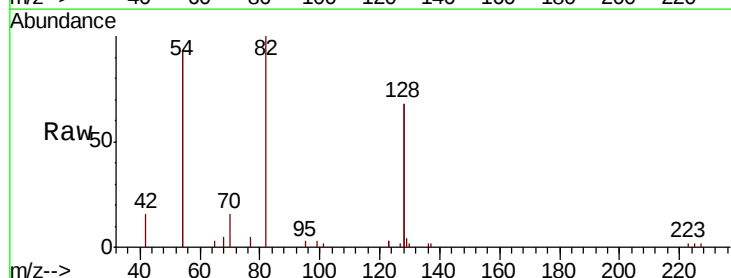
Tgt Ion: 82 Resp: 5796

Ion Ratio Lower Upper

82 100

128 136.2 97.0 145.4

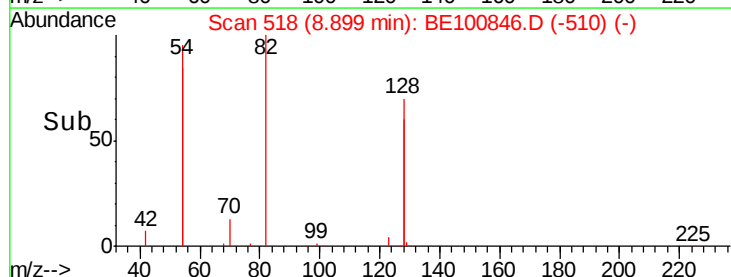
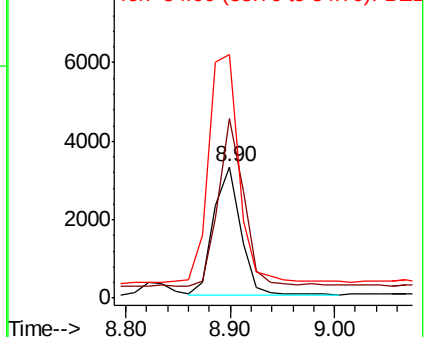
54 185.3 171.8 257.6



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: 0.423 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

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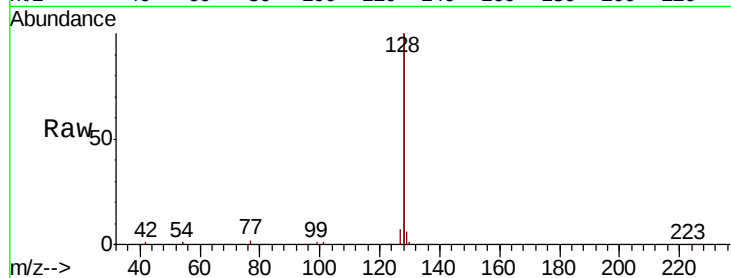
Tot Ion:128 Resp: 96601

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

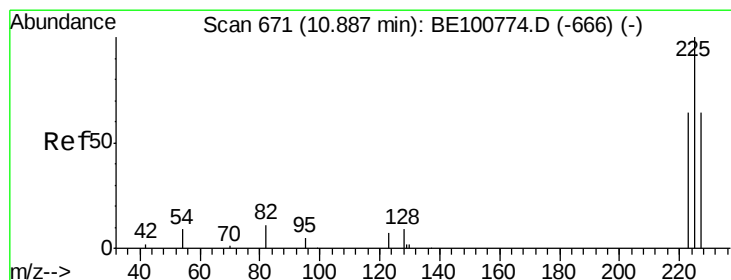
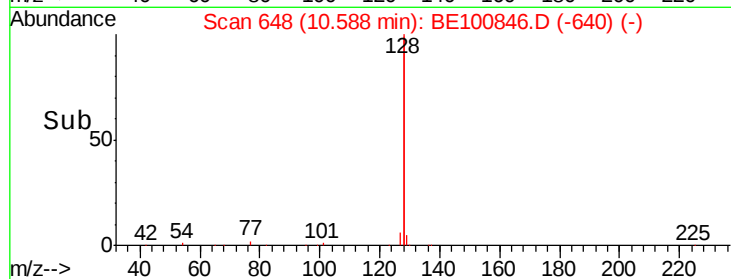
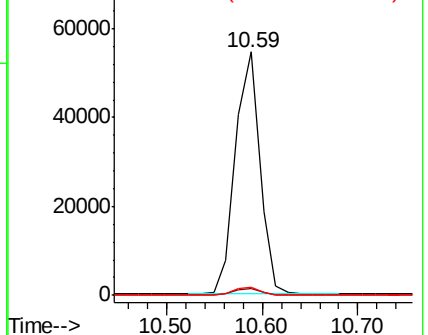
127 3.3 2.7 4.1



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: 0.296 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

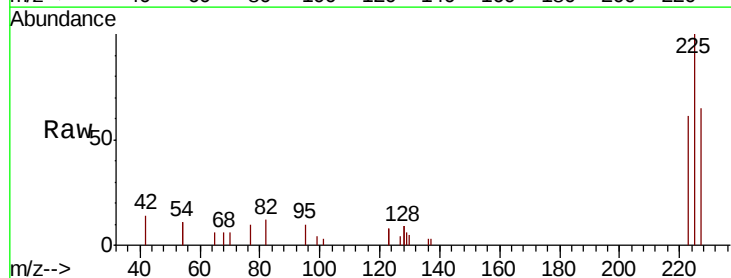
Tgt Ion:225 Resp: 2634

Ion Ratio Lower Upper

225 100

223 62.5 49.9 74.9

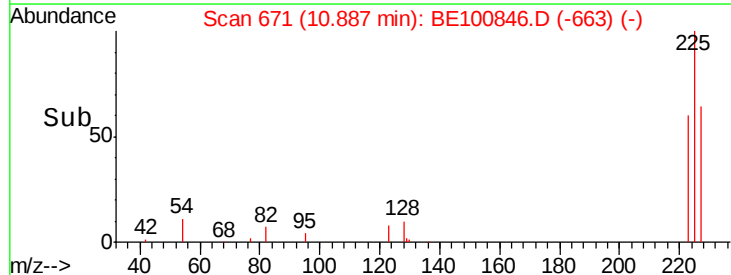
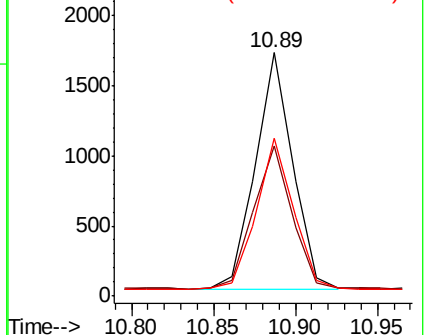
227 63.5 52.2 78.4



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

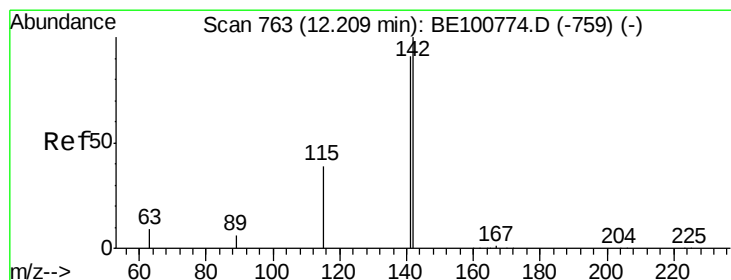
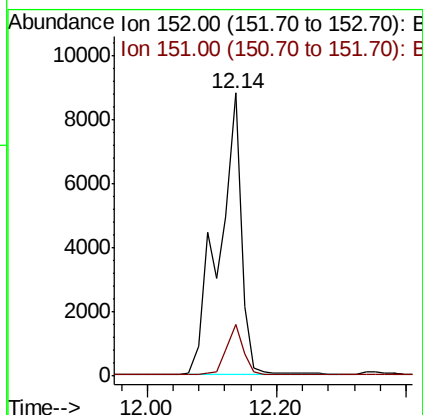
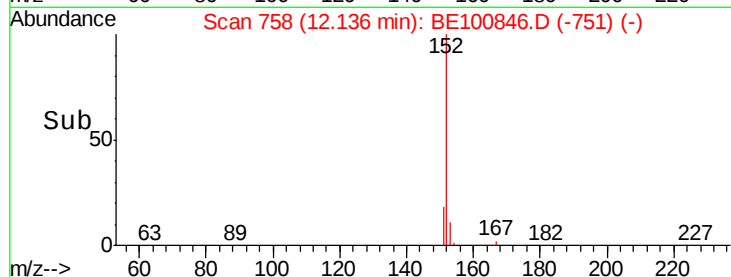
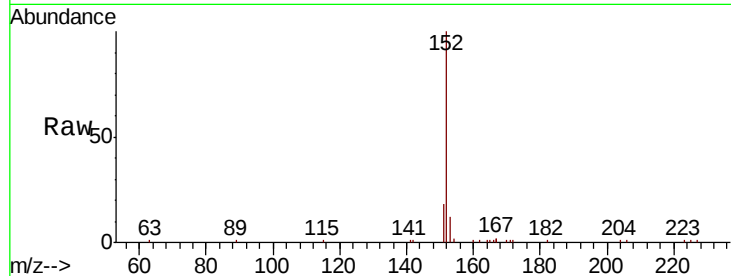




#11
 2-Methylnaphthalene-d10
 Concen: 0.677 ng
 RT: 12.14 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE100846.D
 Acq: 11 Dec 2019 14:38

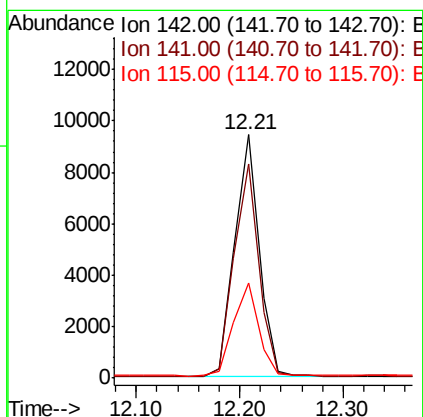
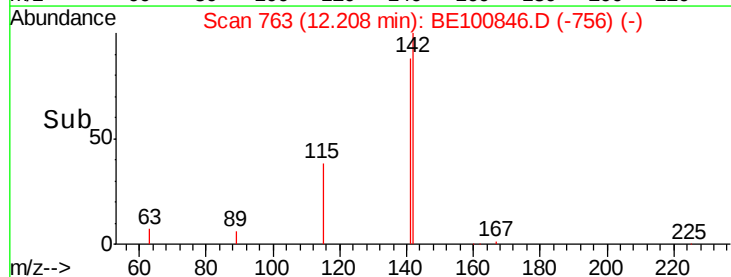
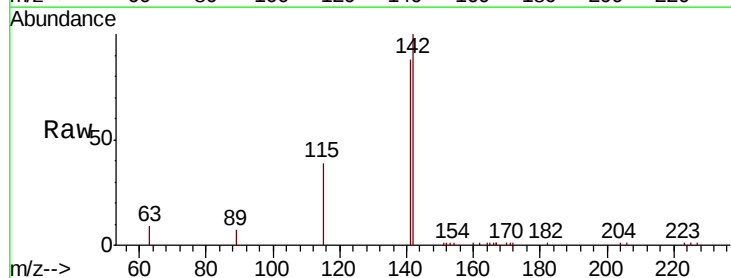
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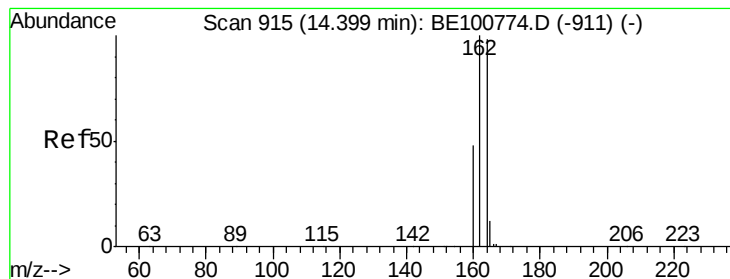
Tot Ion:152 Resp: 21068
 Ion Ratio Lower Upper
 152 100
 151 13.0 15.8 23.8#



#12
 2-Methylnaphthalene
 Concen: 0.433 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BE100846.D
 Acq: 11 Dec 2019 14:38

Tgt Ion:142 Resp: 15414
 Ion Ratio Lower Upper
 142 100
 141 88.2 72.6 108.8
 115 39.0 31.8 47.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. -0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

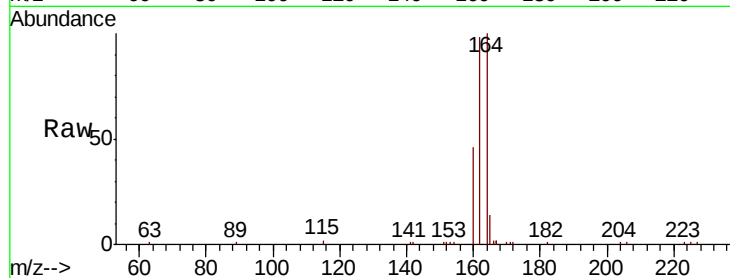
Tot Ion:164 Resp: 12237

Ion Ratio Lower Upper

164 100

162 97.8 81.4 122.0

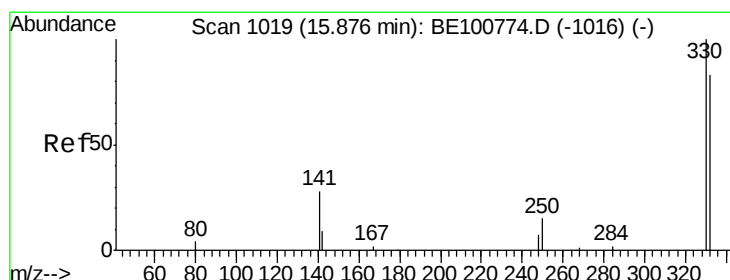
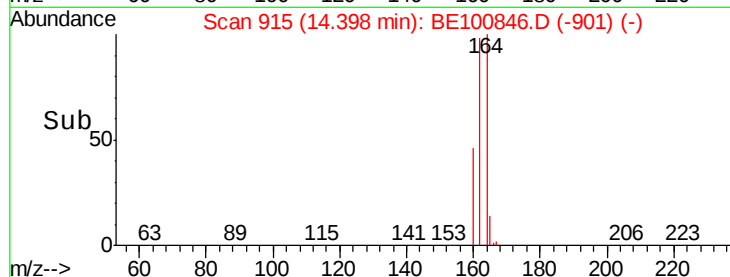
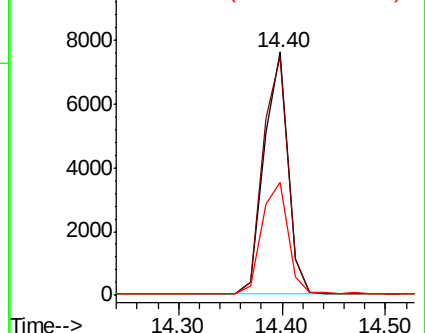
160 46.3 39.4 59.0



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: 0.798 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

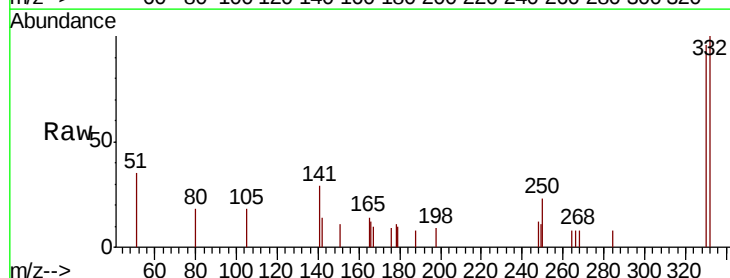
Tgt Ion:330 Resp: 1086

Ion Ratio Lower Upper

330 100

332 97.8 69.4 104.2

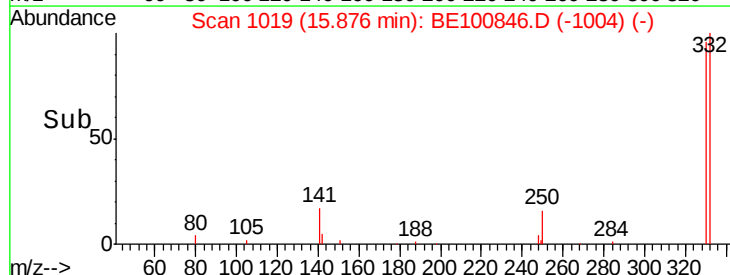
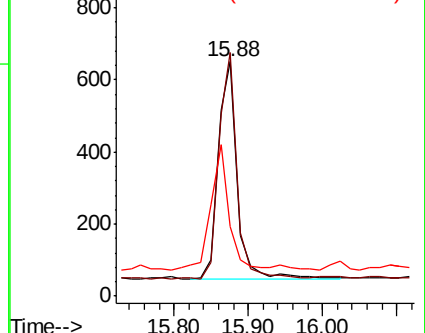
141 54.6 51.1 76.7



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

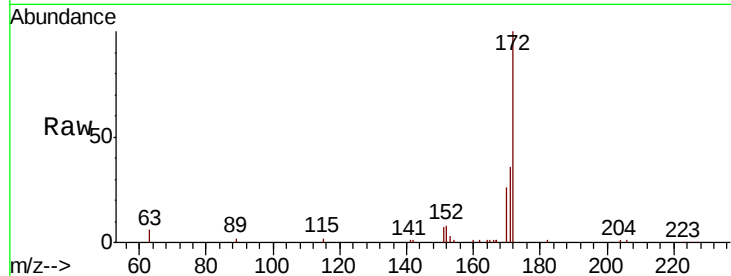




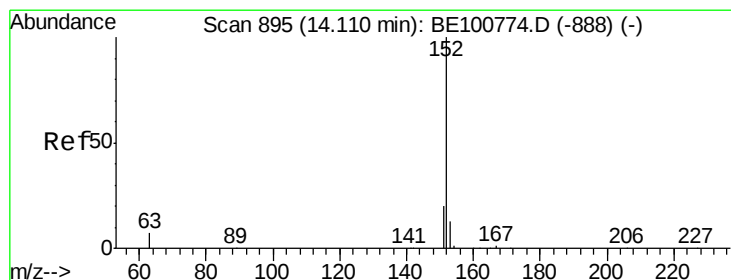
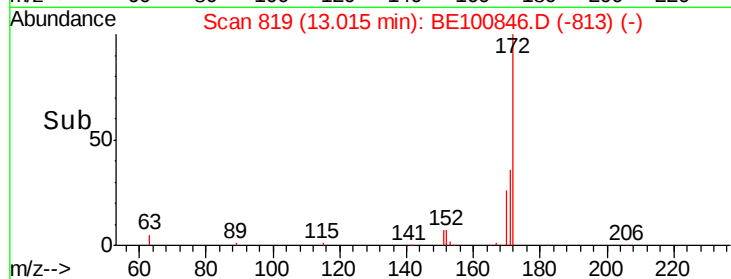
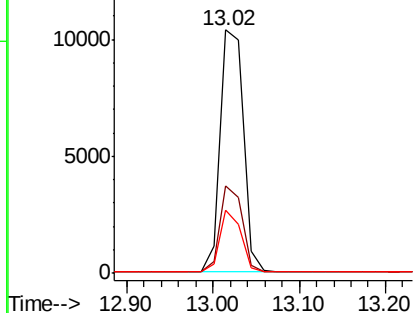
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tot Ion:172 Resp: 19443
Ion Ratio Lower Upper
172 100
171 36.0 27.2 40.8
170 25.9 18.0 27.0

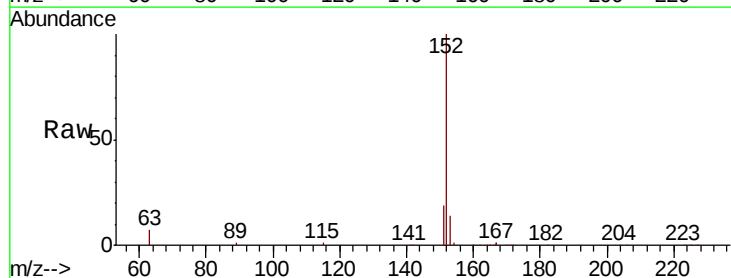


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

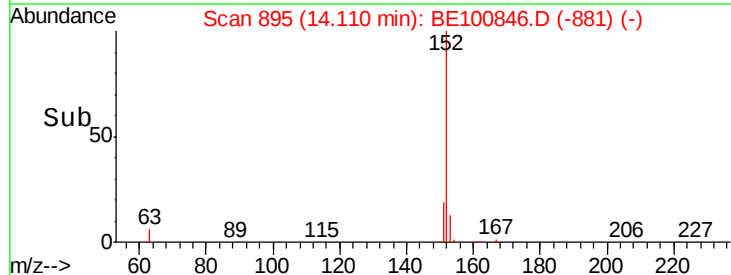
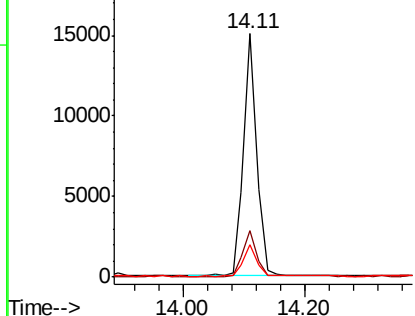


#16
Acenaphthylene
Concen: 0.456 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:152 Resp: 23100
Ion Ratio Lower Upper
152 100
151 19.3 15.8 23.6
153 13.2 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: 0.432 ng

RT: 14.46 min Scan# 919

Delta R.T. -0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

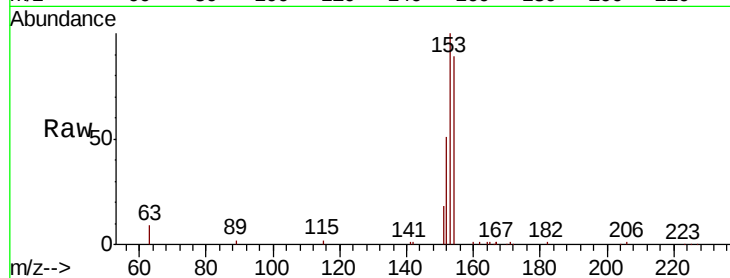
Tot Ion:154 Resp: 15087

Ion Ratio Lower Upper

154 100

153 113.2 92.2 138.2

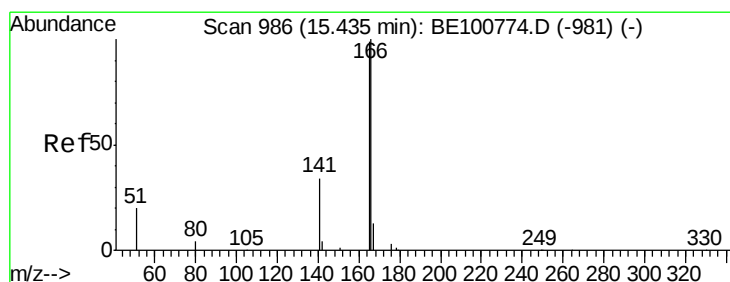
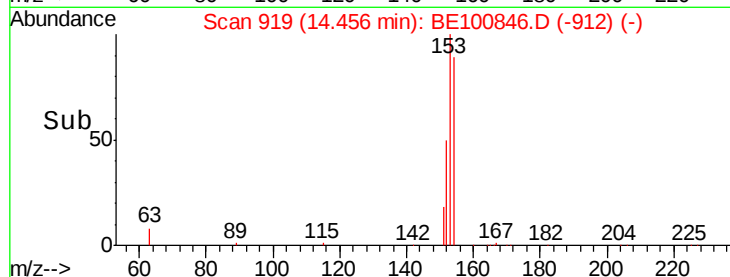
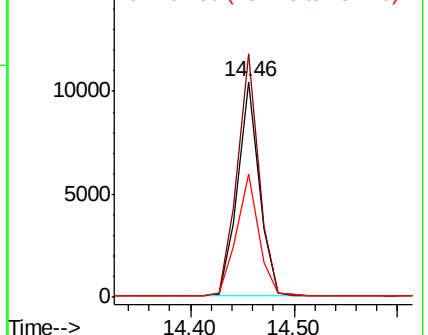
152 58.7 49.1 73.7



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: 0.457 ng

RT: 15.42 min Scan# 985

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

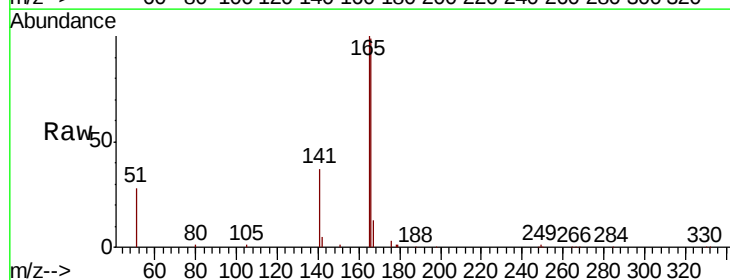
Tgt Ion:166 Resp: 20562

Ion Ratio Lower Upper

166 100

165 98.4 80.5 120.7

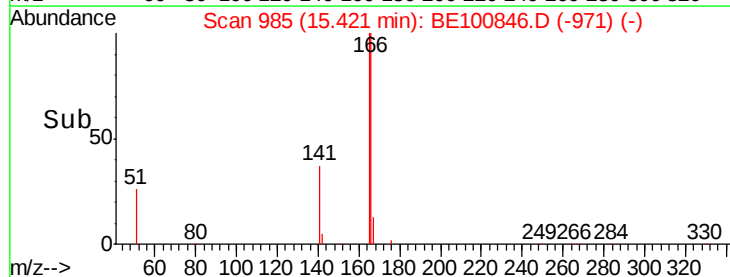
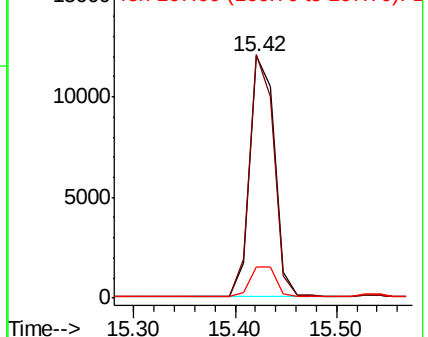
167 13.6 10.7 16.1

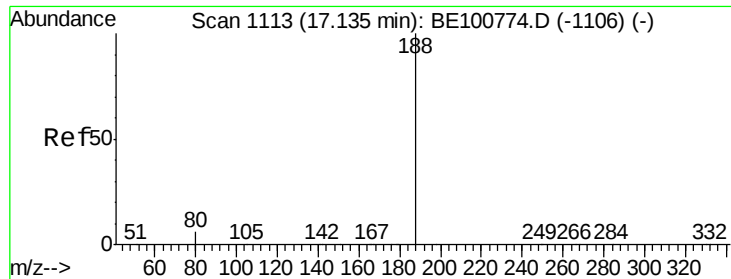


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

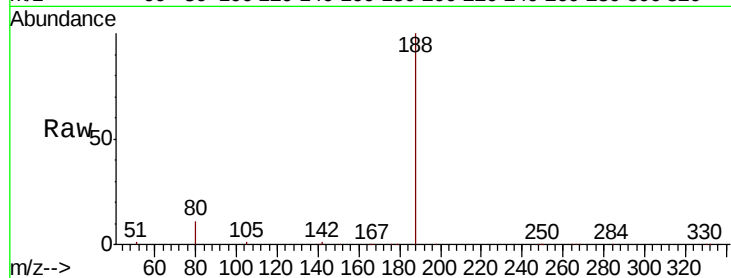
Tot Ion:188 Resp: 31448

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

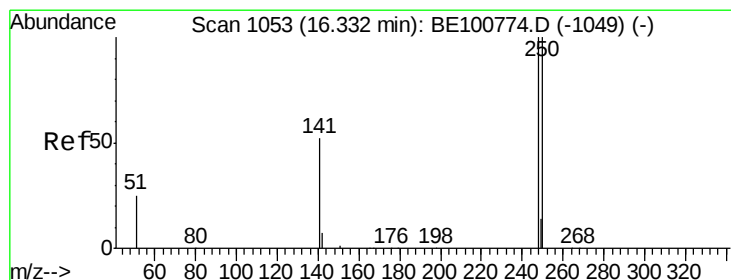
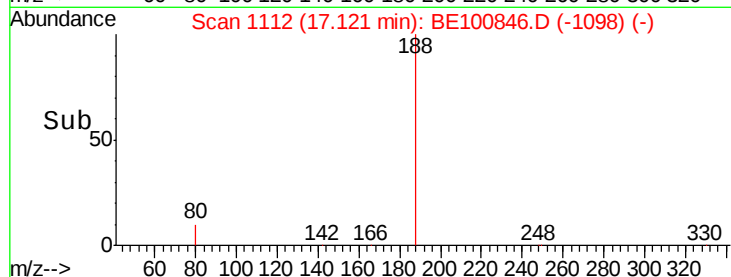
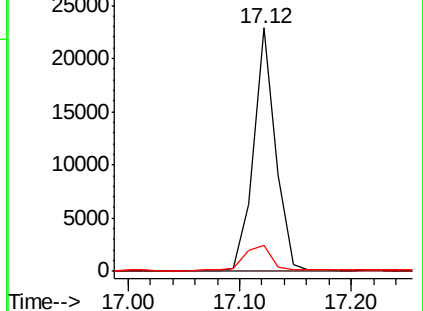
80 10.7 5.2 7.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.394 ng

RT: 16.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

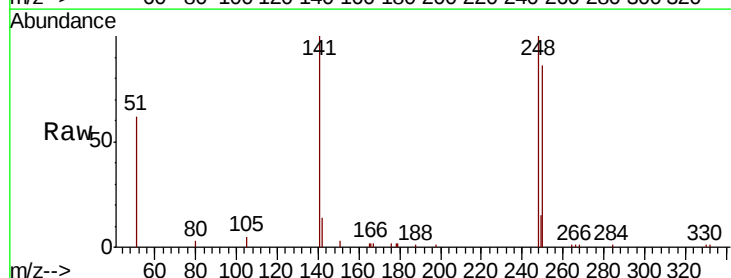
Tgt Ion:248 Resp: 6085

Ion Ratio Lower Upper

248 100

250 85.5 80.5 120.7

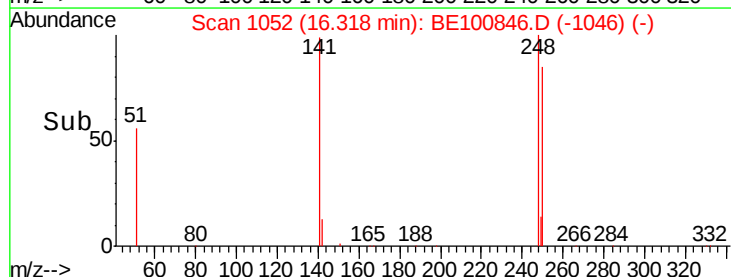
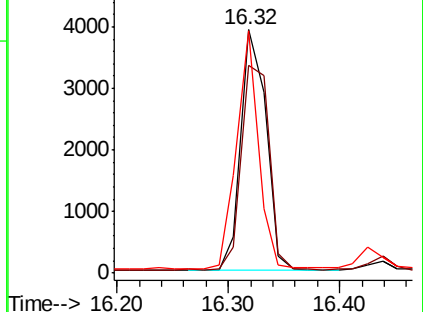
141 99.7 42.6 64.0#

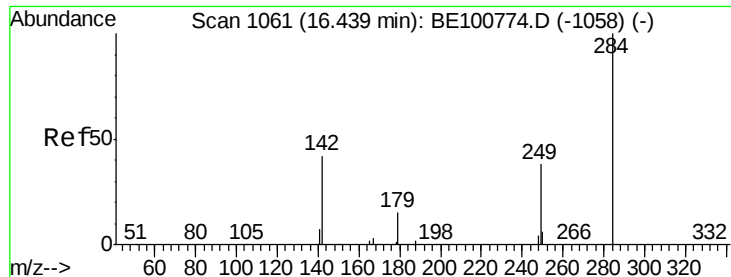


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

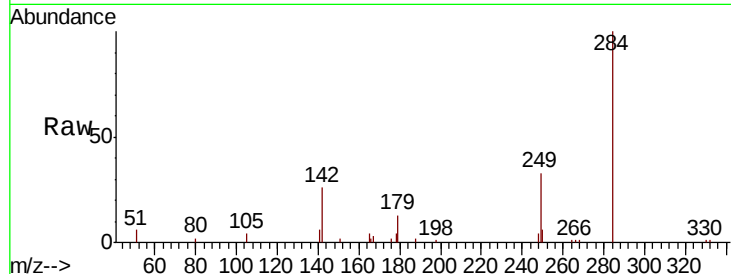




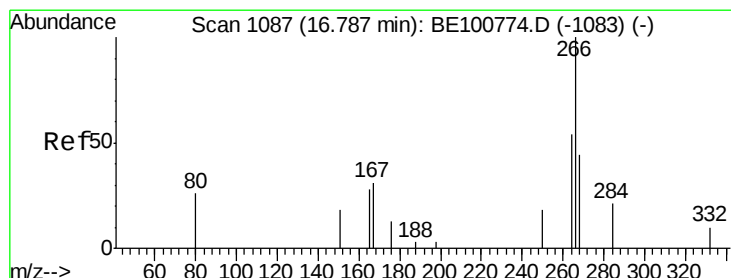
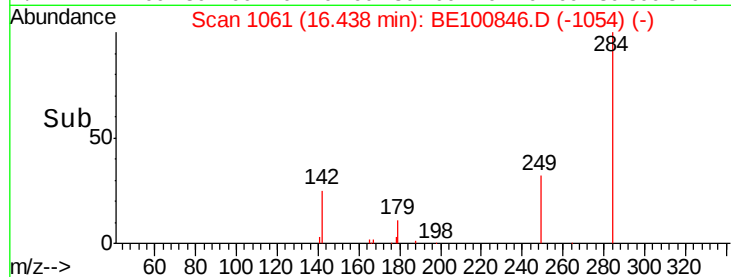
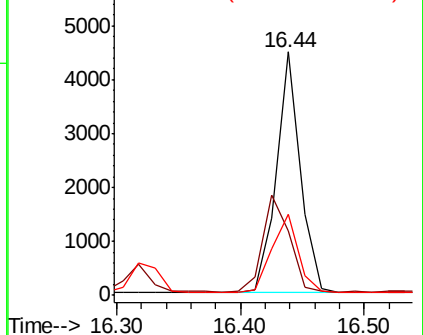
#21
Hexachlorobenzene
Concen: 0.357 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tot Ion:284 Resp: 5981
Ion Ratio Lower Upper
284 100
142 44.3 34.4 51.6
249 35.2 28.5 42.7

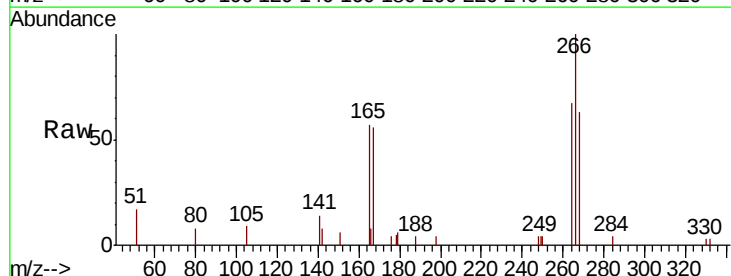


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

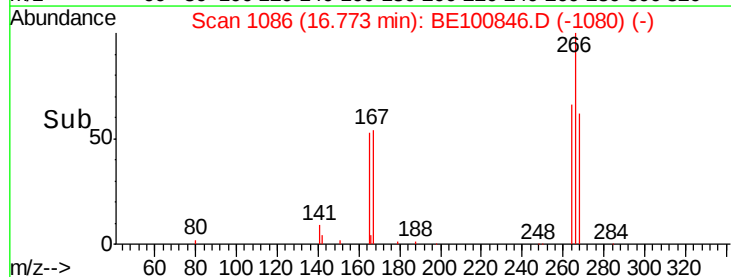
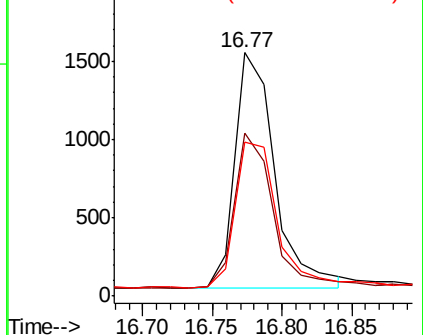


#22
Pentachlorophenol
Concen: 2.574 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:266 Resp: 2984
Ion Ratio Lower Upper
266 100
264 66.9 63.4 95.0
268 63.0 65.8 98.8#



Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.422 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

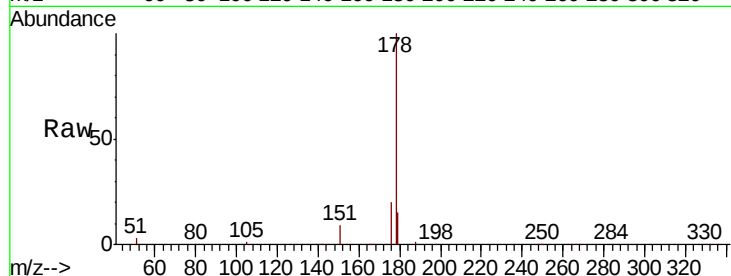
Tot Ion:178 Resp: 40199

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

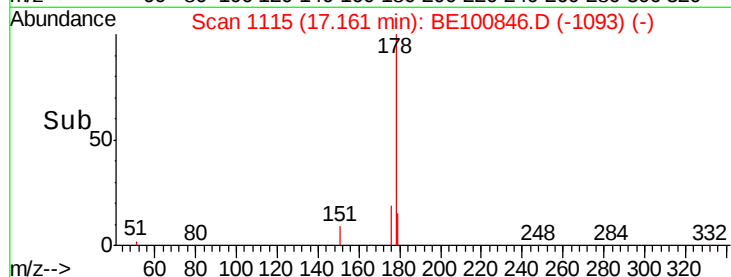
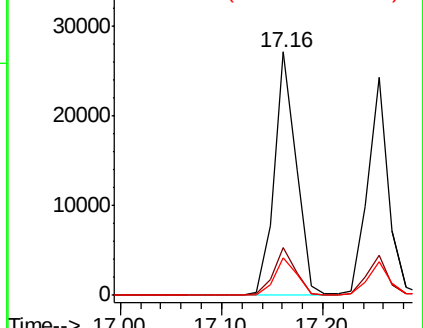
179 15.3 12.3 18.5



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: 0.428 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

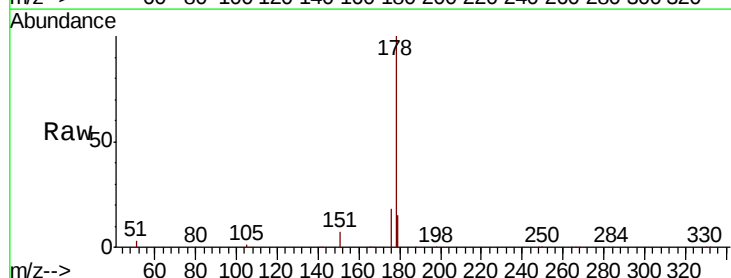
Tgt Ion:178 Resp: 34108

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

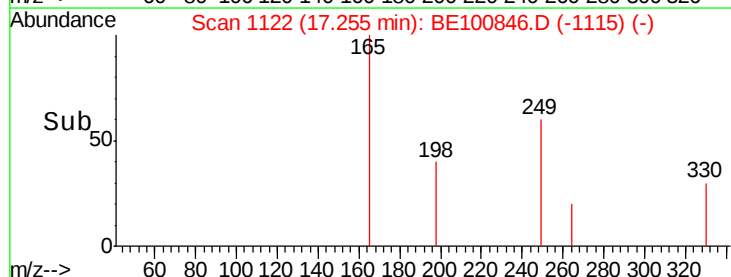
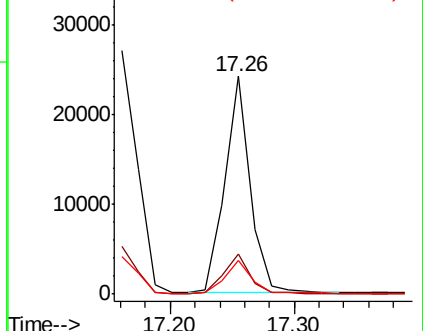
179 15.3 12.7 19.1

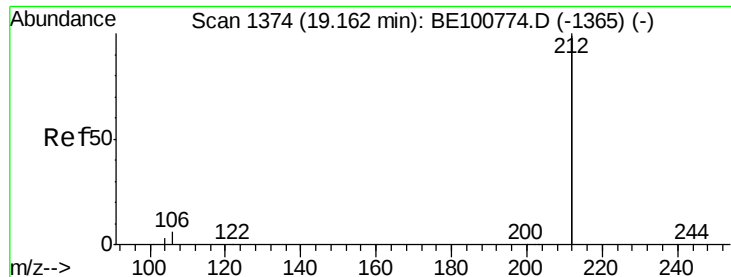


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.409 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

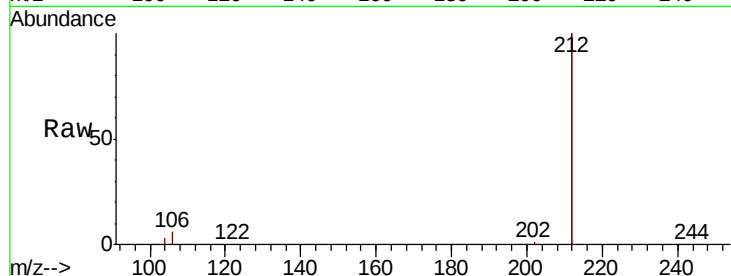
Tot Ion:212 Resp: 151873

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

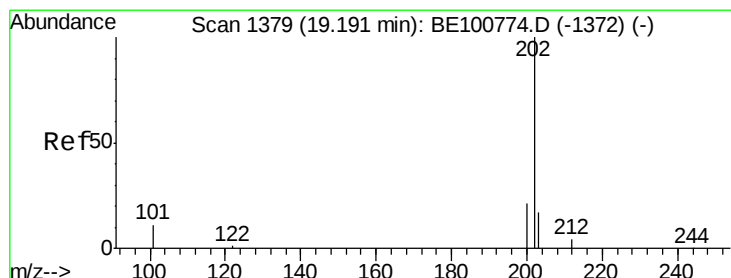
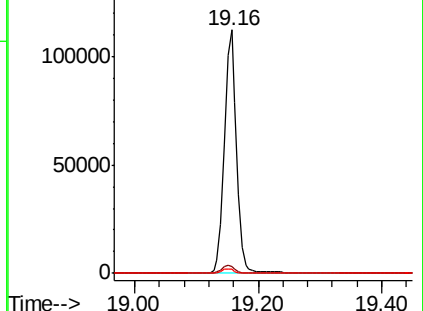
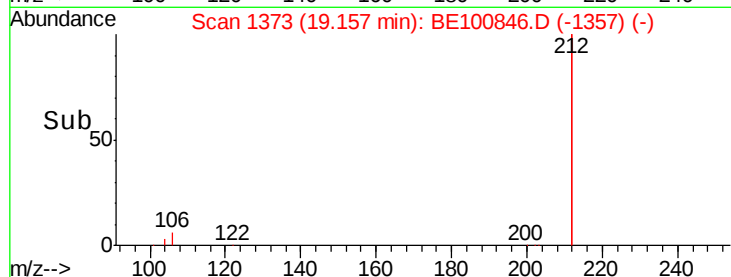
104 1.8 1.4 2.2



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.406 ng

RT: 19.19 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

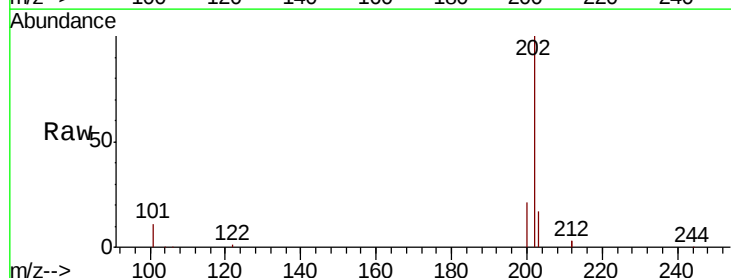
Tgt Ion:202 Resp: 46209

Ion Ratio Lower Upper

202 100

101 11.7 9.1 13.7

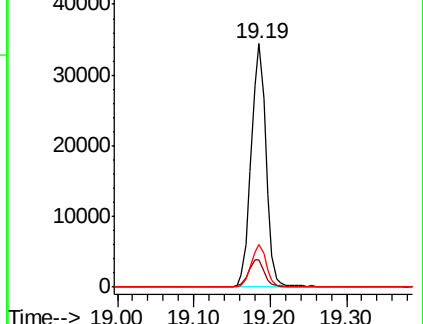
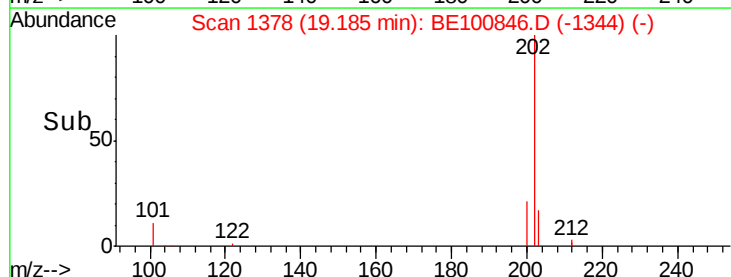
203 17.1 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

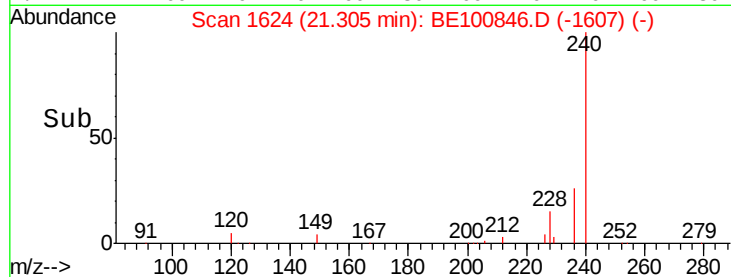
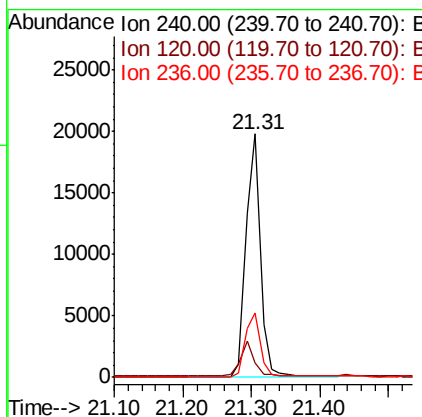
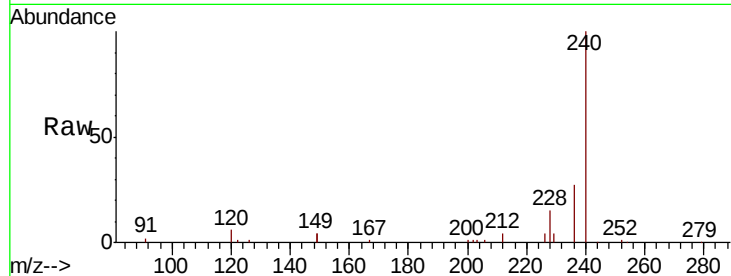




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BE100846.D
 Acq: 11 Dec 2019 14:38

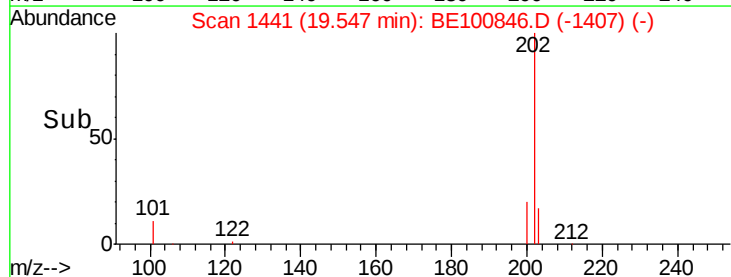
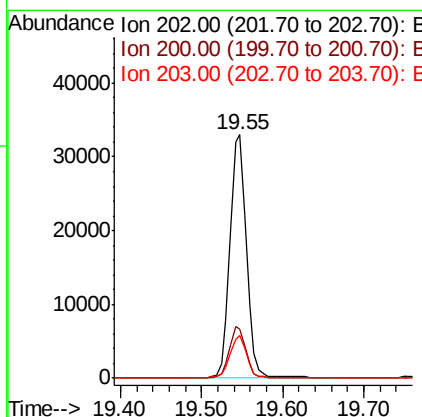
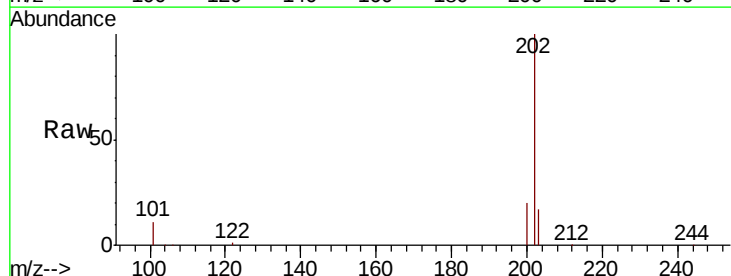
Instrument :
 BNA_E
 ClientSampleId :
 RE131D2-20191205MSD

Tot Ion:240 Resp: 28935
 Ion Ratio Lower Upper
 240 100
 120 5.7 10.2 15.2#
 236 26.7 22.3 33.5



#28
 Pyrene
 Concen: 0.489 ng
 RT: 19.55 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BE100846.D
 Acq: 11 Dec 2019 14:38

Tgt Ion:202 Resp: 46019
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.0 25.4
 203 17.5 13.9 20.9





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

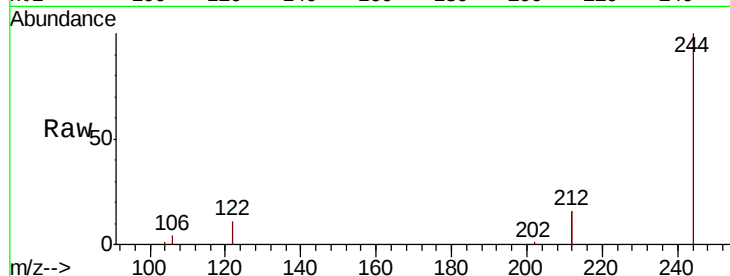
Tot Ion:244 Resp: 29170

Ion Ratio Lower Upper

244 100

212 32.3 26.2 39.4

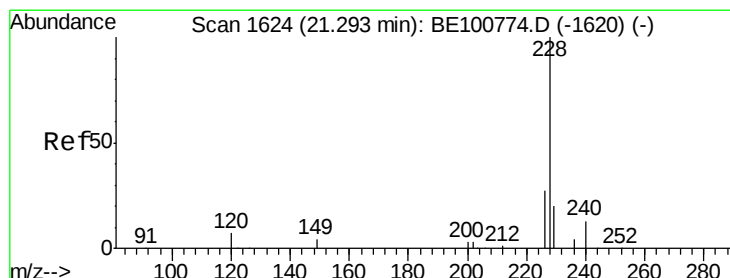
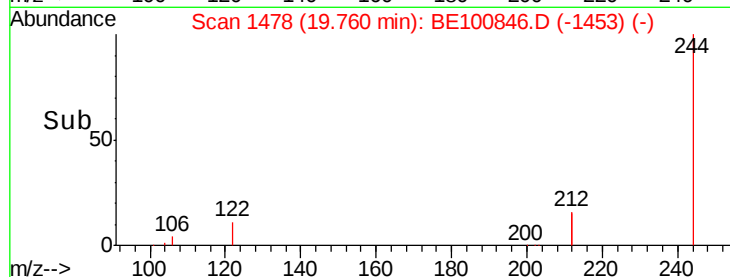
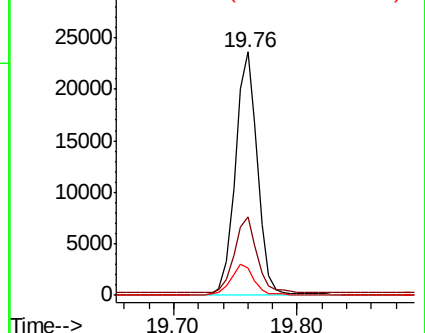
122 11.1 10.2 15.4



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: 0.537 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

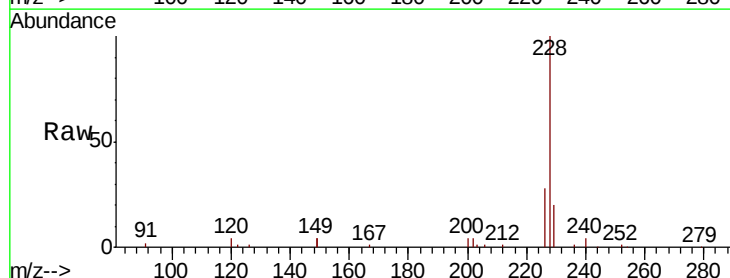
Tgt Ion:228 Resp: 45766

Ion Ratio Lower Upper

228 100

226 28.1 21.5 32.3

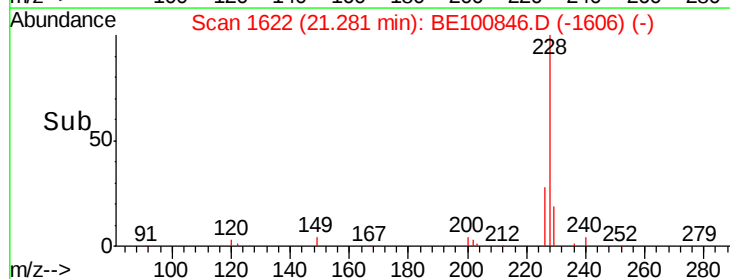
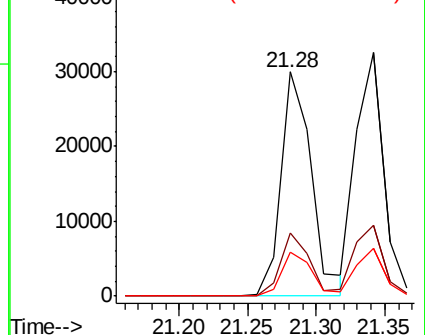
229 19.6 16.0 24.0



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: 0.457 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

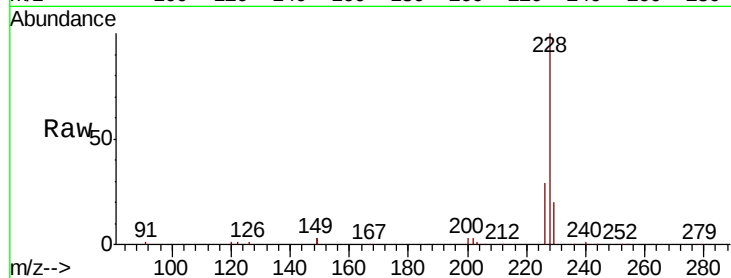
Tot Ion:228 Resp: 45836

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.4

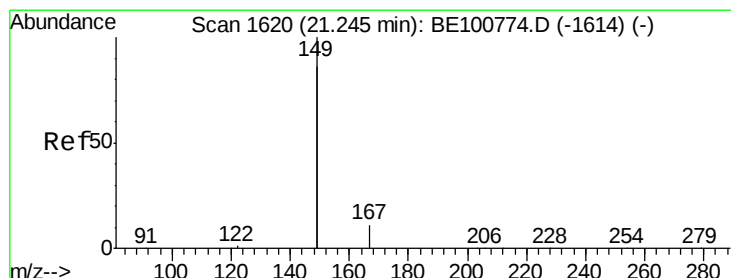
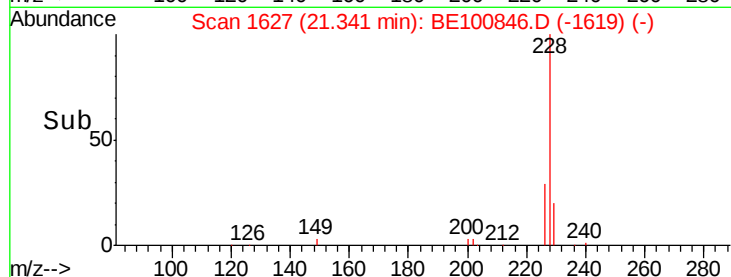
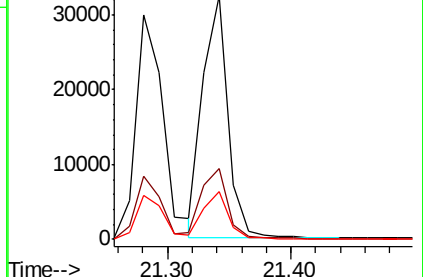
229 19.7 15.4 23.2



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: 1.125 ng

RT: 21.23 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

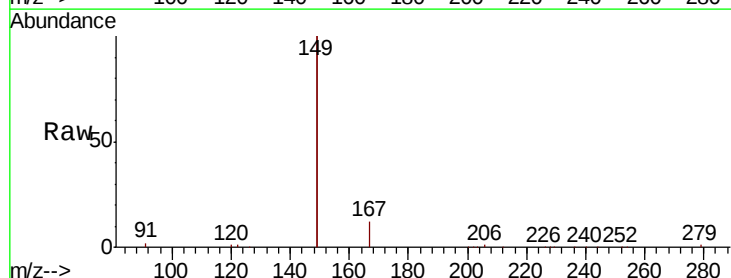
Tgt Ion:149 Resp: 75936

Ion Ratio Lower Upper

149 100

167 6.4 5.0 7.6

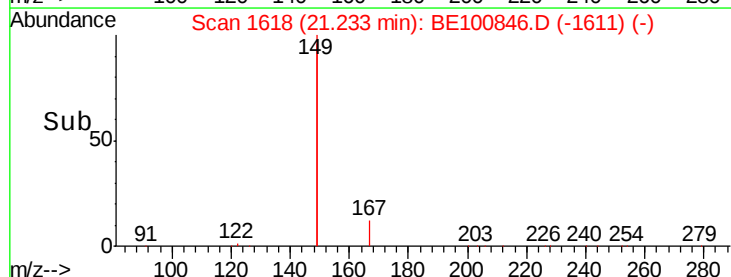
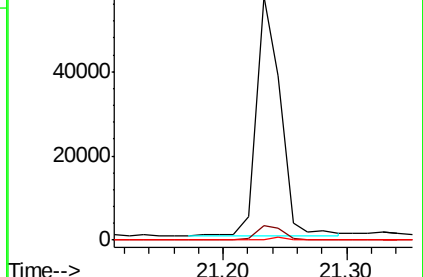
279 0.7 0.7 1.1



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: 0.476 ng

RT: 26.32 min Scan# 2882

Delta R.T. -0.02 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

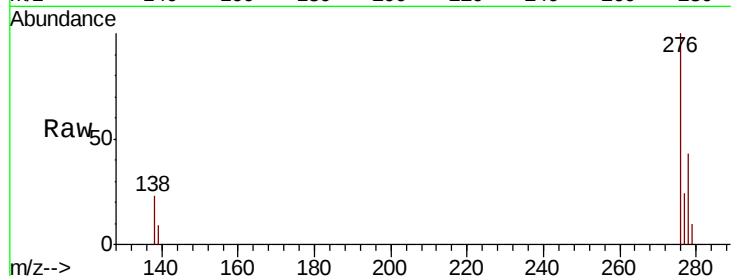
Tot Ion:276 Resp: 41548

Ion Ratio Lower Upper

276 100

138 24.1 19.4 29.0

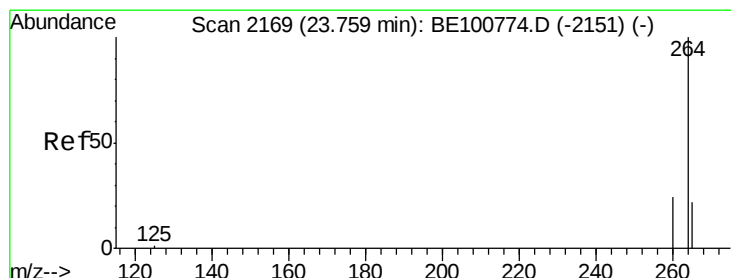
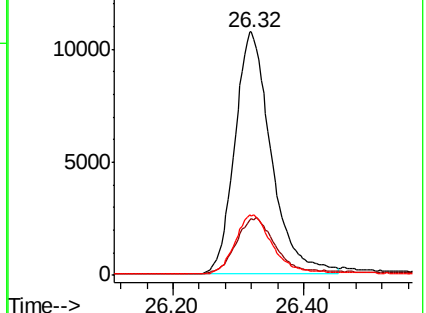
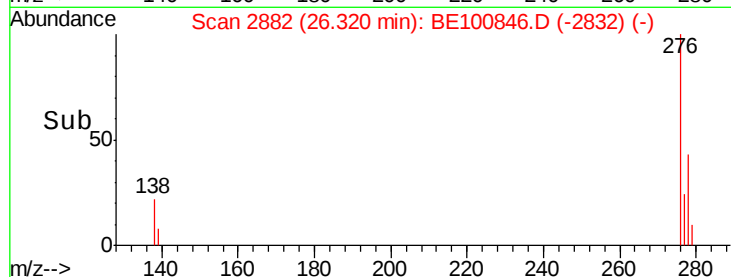
277 24.9 19.8 29.6



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: 23.74 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

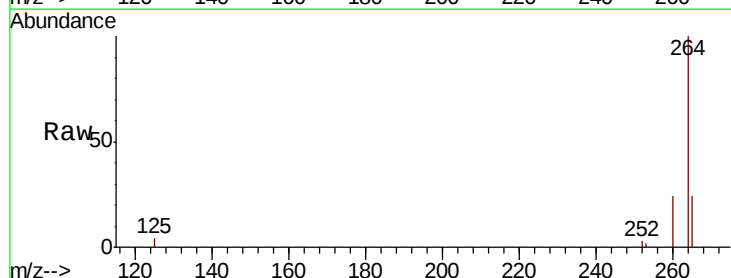
Tgt Ion:264 Resp: 33349

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

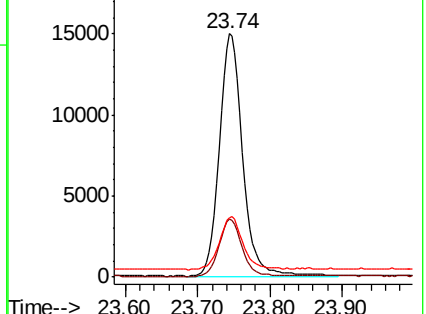
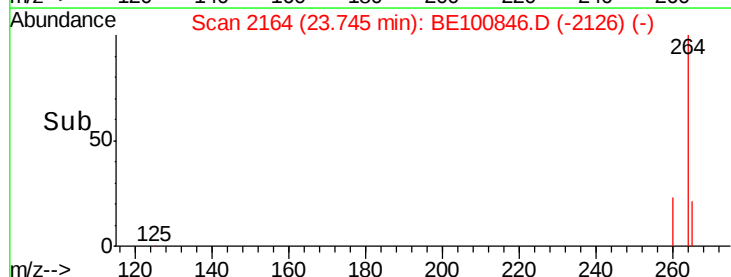
265 24.4 21.8 32.8



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: 0.459 ng

RT: 23.00 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

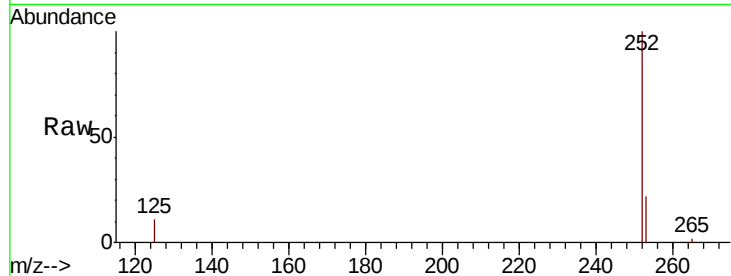
Tot Ion:252 Resp: 41888

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 10.8 9.0 13.4

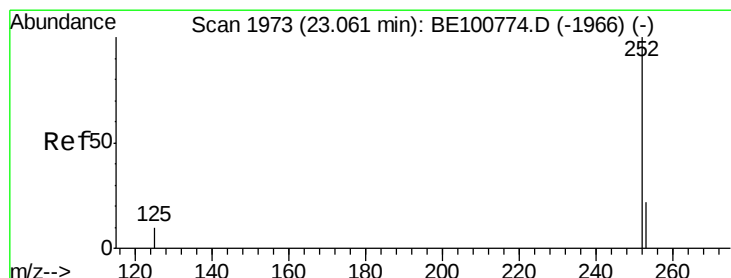
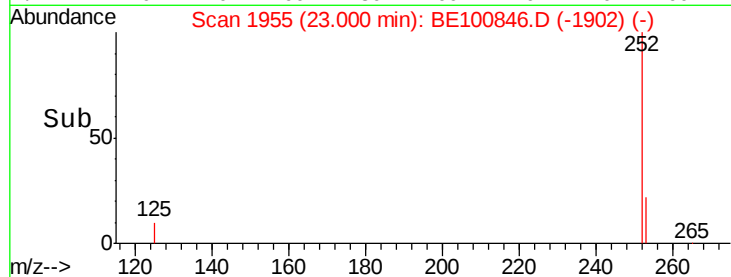
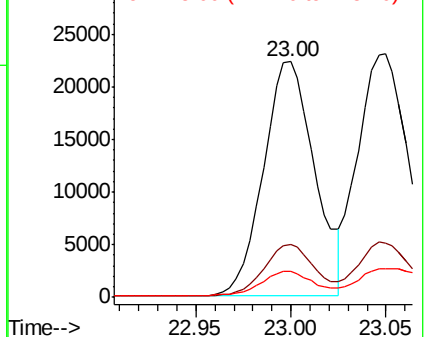


Abundance

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: 0.443 ng

RT: 23.05 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

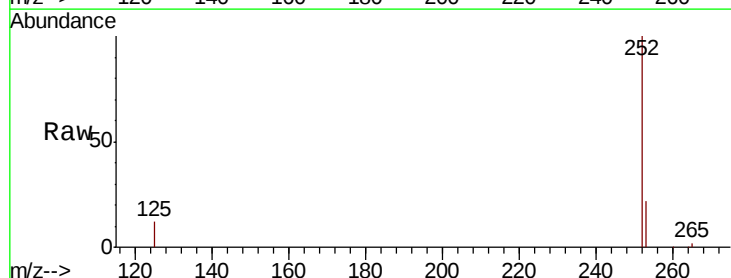
Tgt Ion:252 Resp: 45399

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 11.8 8.7 13.1

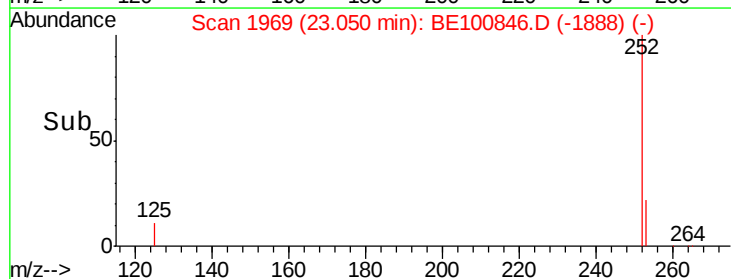
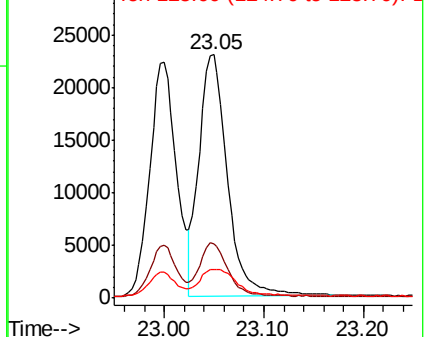


Abundance

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: 0.475 ng

RT: 23.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

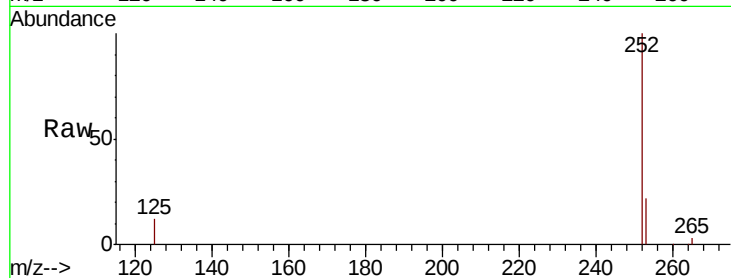
Tot Ion:252 Resp: 37566

Ion Ratio Lower Upper

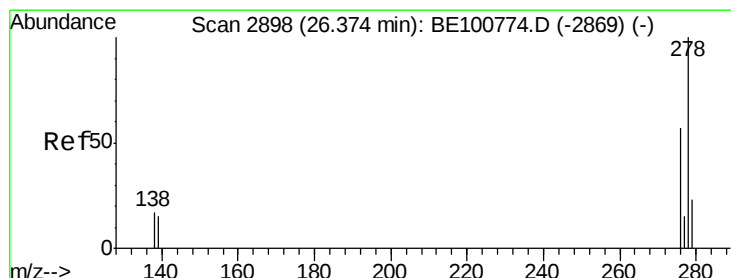
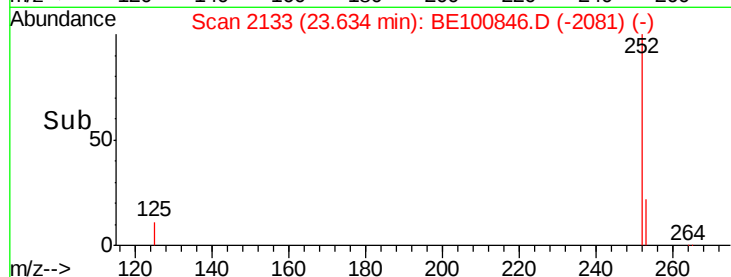
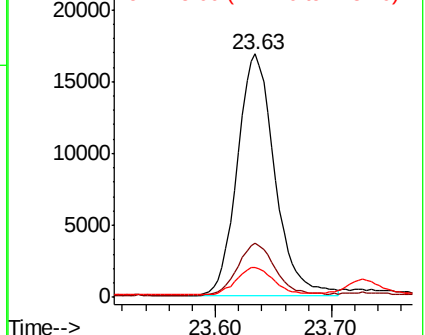
252 100

253 22.3 18.2 27.4

125 12.1 10.4 15.6



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: 0.426 ng

RT: 26.35 min Scan# 2889

Delta R.T. -0.03 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

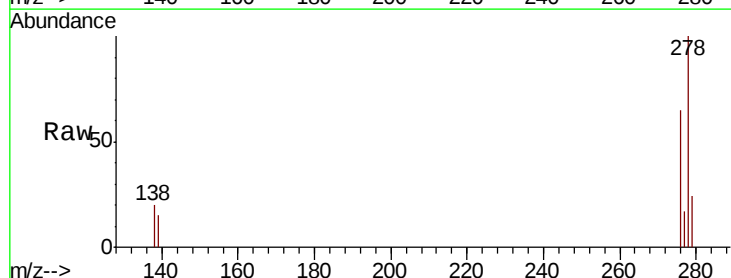
Tgt Ion:278 Resp: 33522

Ion Ratio Lower Upper

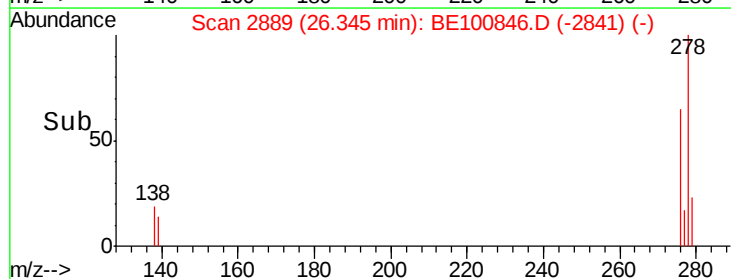
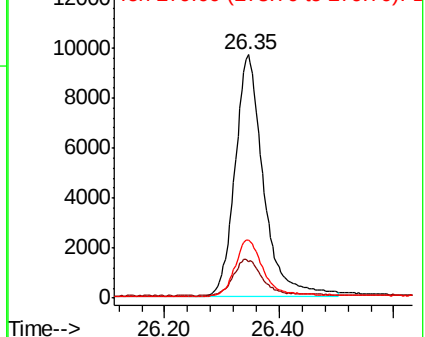
278 100

139 15.0 13.0 19.4

279 23.6 19.6 29.4



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(a,h,i)perylene

Concen: 0.434 ng

RT: 27.11 min Scan# 3102

Delta R.T. -0.02 min

Lab File: BE100846.D

Acq: 11 Dec 2019 14:38

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MSD

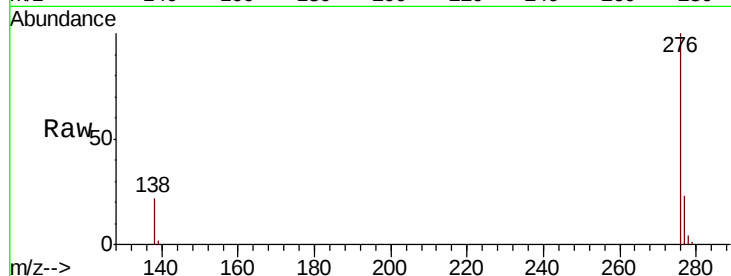
Tot Ion: 276 Resp: 36499

Ion Ratio Lower Upper

276 100

277 23.1 19.3 28.9

138 22.3 17.8 26.6



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

