

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120419\
 Data File : BE100774.D
 Acq On : 4 Dec 2019 13:52
 Operator : JU
 Sample : SSTDICCC0.4
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICCC0.4

Quant Time: Dec 04 15:53:25 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 14:31:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5212	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	23032	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	12347	0.40	ng	0.00
19) Phenanthrene-d10	17.13	188	28371	0.40	ng	0.00
27) Chrysene-d12	21.31	240	29992	0.40	ng	0.00
34) Perylene-d12	23.76	264	31012	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	4641	0.33	ng	0.00
5) Phenol-d6	6.93	99	6915	0.34	ng	0.00
8) Nitrobenzene-d5	8.90	82	3820	0.52	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	12548	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	479	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	18711	0.39	ng	0.00
25) Fluoranthene-d10	19.16	212	121265	0.35	ng	0.00
29) Terphenyl-d14	19.77	244	27466	0.40	ng	0.00

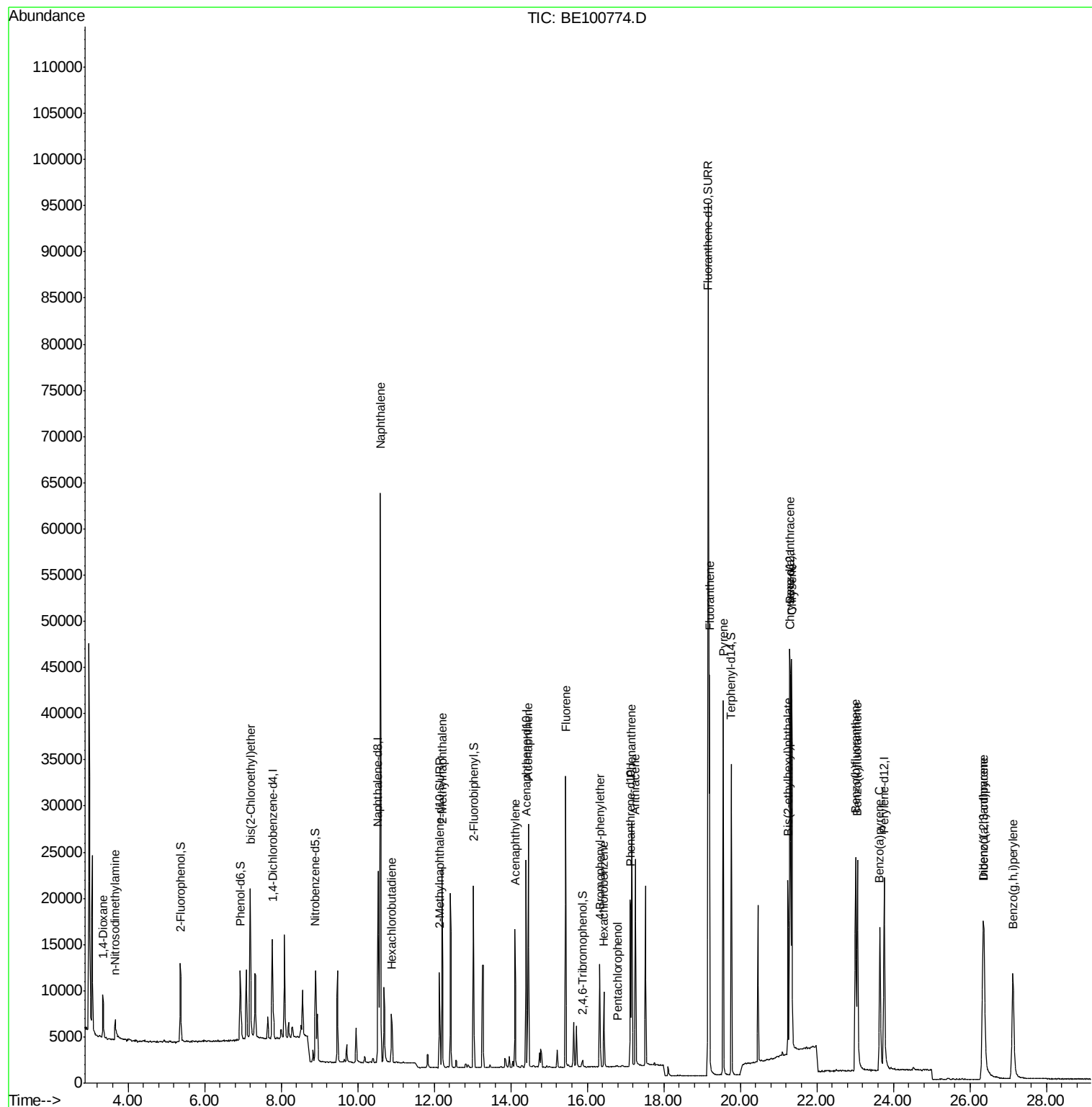
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3800	0.389	ng	100
3) n-Nitrosodimethylamine	3.66	42	2696	0.374	ng	100
6) bis(2-Chloroethyl)ether	7.19	93	6846	0.401	ng	100
9) Naphthalene	10.59	128	93924	0.384	ng	100
10) Hexachlorobutadiene	10.89	225	3714	0.396	ng	100
12) 2-Methylnaphthalene	12.21	142	14384	0.372	ng	100
16) Acenaphthylene	14.11	152	17612	0.331	ng	100
17) Acenaphthene	14.46	154	12825	0.360	ng	100
18) Fluorene	15.43	166	16144	0.355	ng	100
20) 4-Bromophenyl-phenylether	16.33	248	5040	0.361	ng	100
21) Hexachlorobenzene	16.44	284	5694	0.391	ng	100
22) Pentachlorophenol	16.79	266	81	0.031	ng	100
23) Phenanthrene	17.16	178	32400	0.379	ng	100
24) Anthracene	17.26	178	24709	0.336	ng	100
26) Fluoranthene	19.19	202	37045	0.354	ng	100
28) Pyrene	19.55	202	36437	0.392	ng	100
30) Benzo(a)anthracene	21.29	228	31405	0.310	ng	100
31) Chrysene	21.34	228	40237	0.391	ng	100
32) Bis(2-ethylhexyl)phthalate	21.24	149	24314	0.134	ng	100
33) Indeno(1,2,3-cd)pyrene	26.34	276	31964	0.296	ng	100
35) Benzo(b)fluoranthene	23.01	252	32191	0.331	ng	100
36) Benzo(k)fluoranthene	23.06	252	36173	0.356	ng	100
37) Benzo(a)pyrene	23.65	252	26793	0.312	ng	100
38) Dibenzo(a,h)anthracene	26.37	278	25973	0.288	ng	100
39) Benzo(g,h,i)perylene	27.13	276	29459	0.313	ng	100

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

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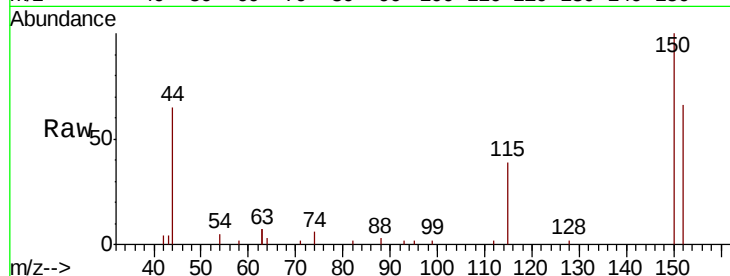


#1

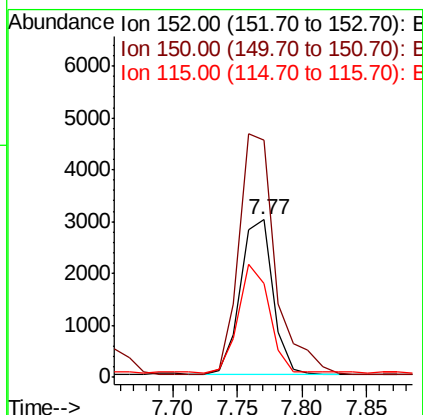
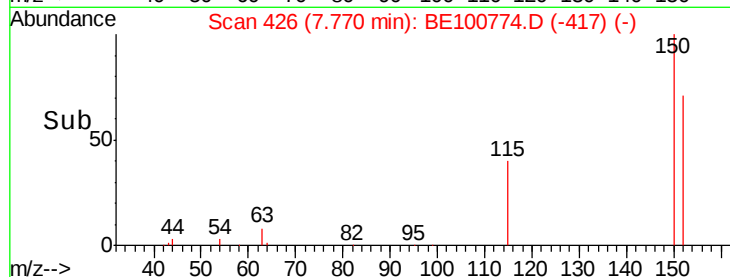
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tot Ion:152 Resp: 5212
Ion Ratio Lower Upper
152 100
150 150.8 120.6 181.0
115 59.3 47.4 71.2



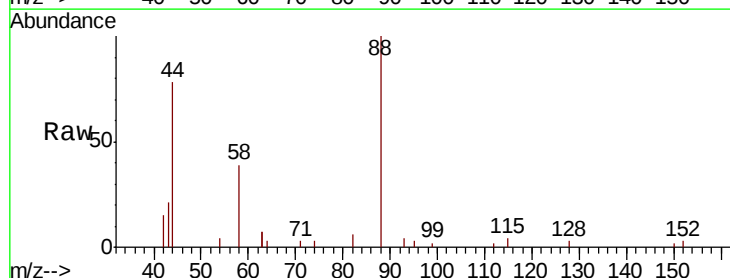
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



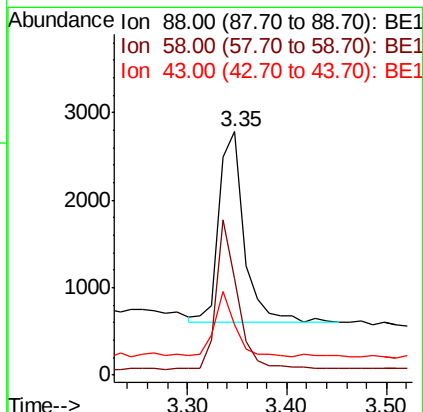
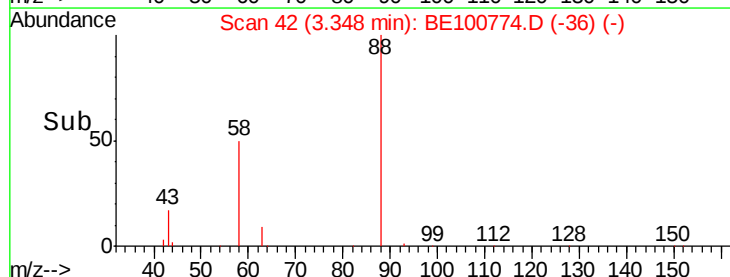
#2

1,4-Dioxane
Concen: 0.389 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

Tgt Ion: 88 Resp: 3800
Ion Ratio Lower Upper
88 100
58 65.6 52.5 78.7
43 28.8 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: 0.374 ng

RT: 3.66 min Scan# 69

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

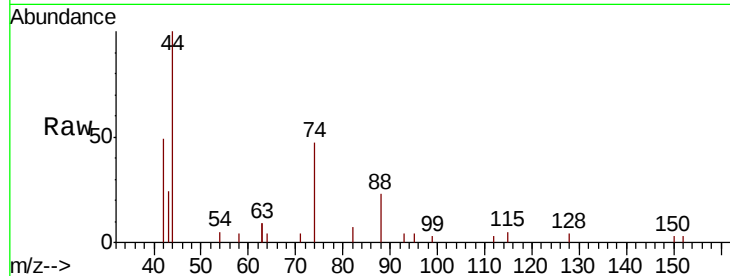
Tot Ion: 42 Resp: 2696

Ion Ratio Lower Upper

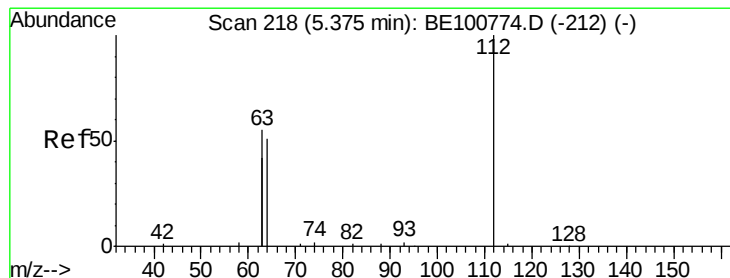
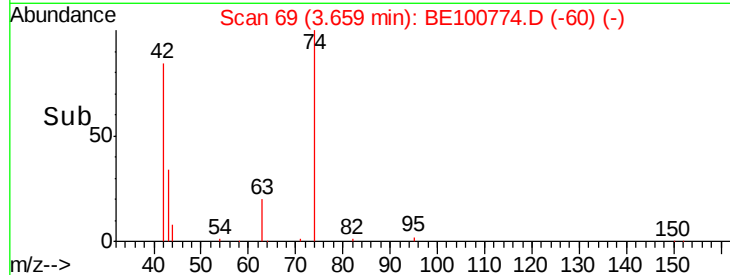
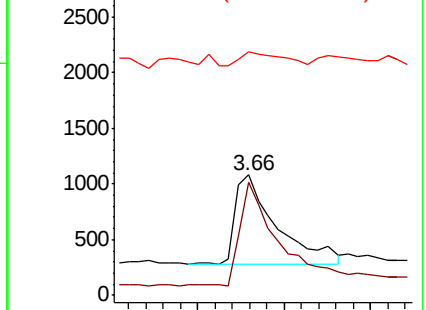
42 100

74 107.9 86.3 129.5

44 14.5 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: 0.329 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

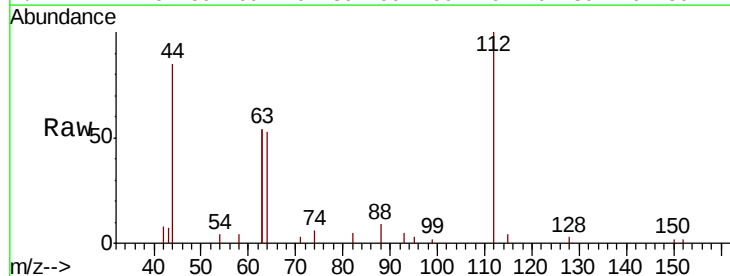
Tgt Ion: 112 Resp: 4641

Ion Ratio Lower Upper

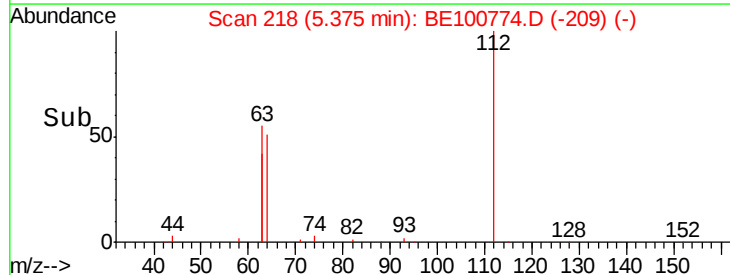
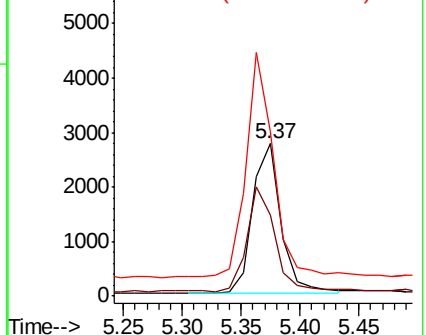
112 100

64 67.6 54.1 81.1

63 141.5 113.2 169.8



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





#5

Phenol-d6

Concen: 0.338 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

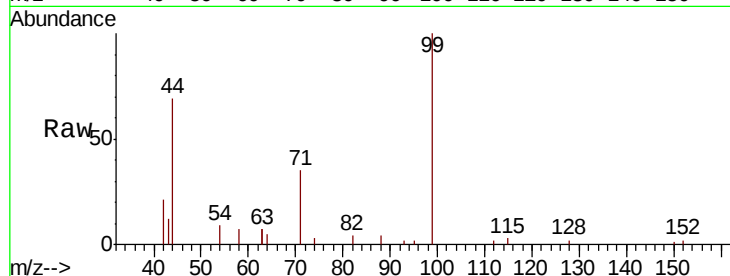
Tot Ion: 99 Resp: 6915

Ion Ratio Lower Upper

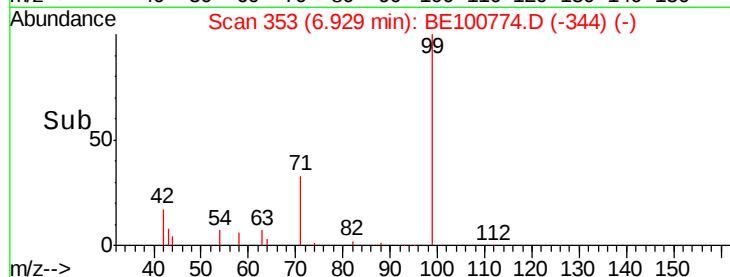
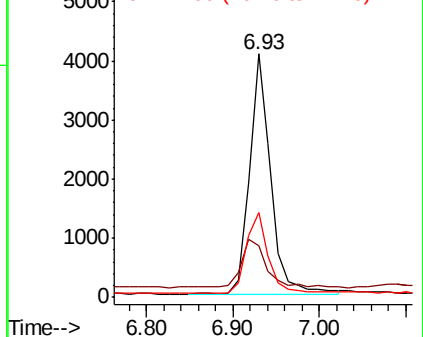
99 100

42 23.9 19.1 28.7

71 34.6 27.7 41.5



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: 0.401 ng

RT: 7.19 min Scan# 376

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

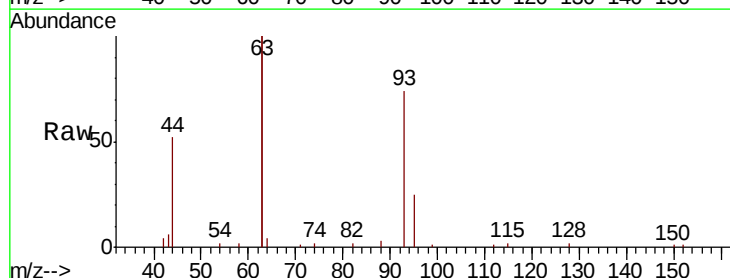
Tgt Ion: 93 Resp: 6846

Ion Ratio Lower Upper

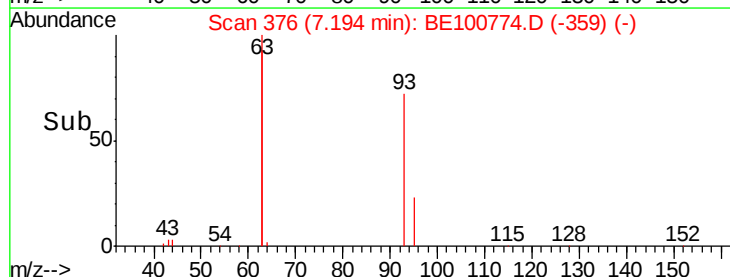
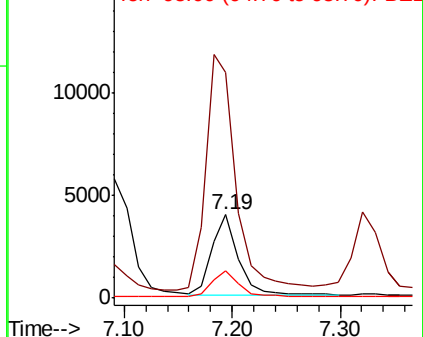
93 100

63 324.2 259.4 389.0

95 32.7 26.2 39.2



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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

Tot Ion:136 Resp: 23032

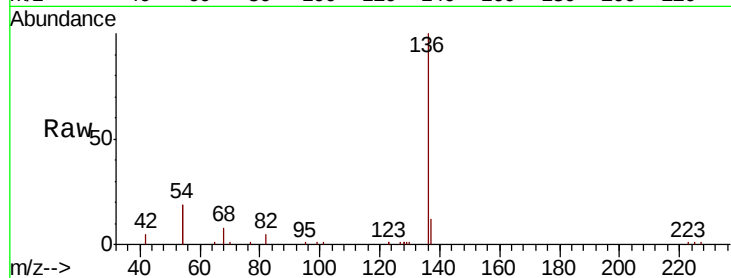
Ion Ratio Lower Upper

136 100

137 11.7 9.4 14.0

54 38.9 31.1 46.7

68 8.3 6.6 10.0

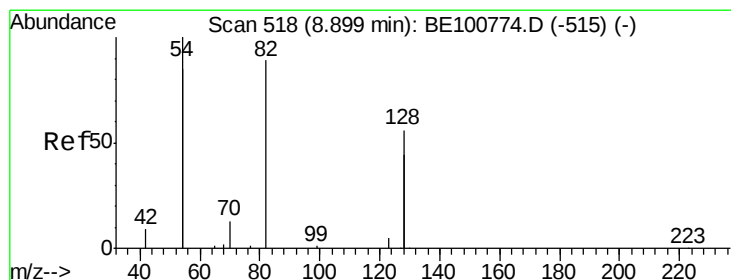
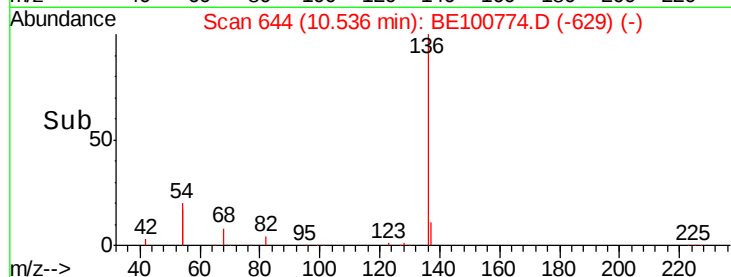
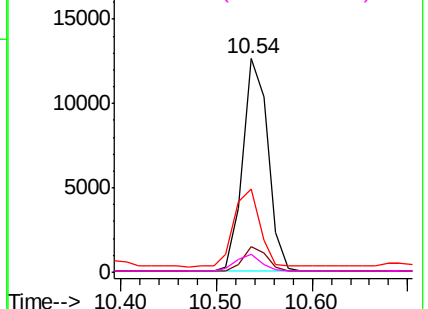


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.517 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

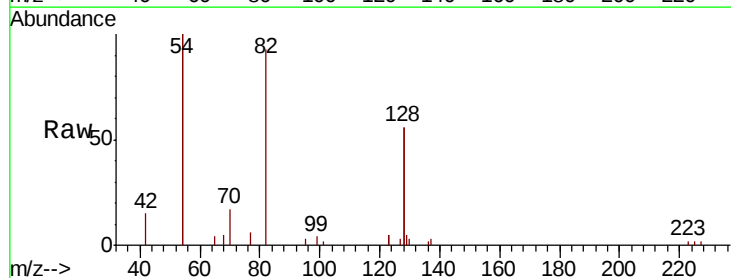
Tgt Ion: 82 Resp: 3820

Ion Ratio Lower Upper

82 100

128 121.2 97.0 145.4

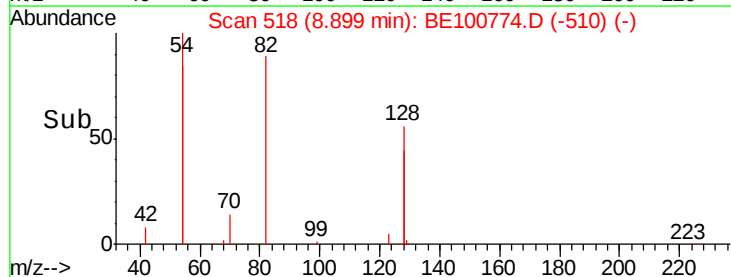
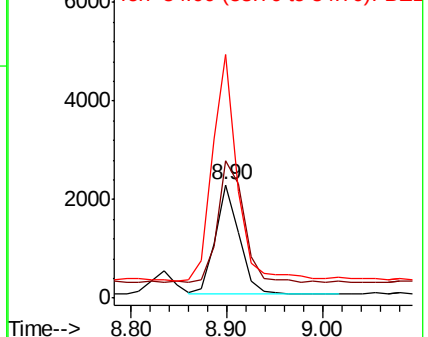
54 214.7 171.8 257.6



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: 0.384 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

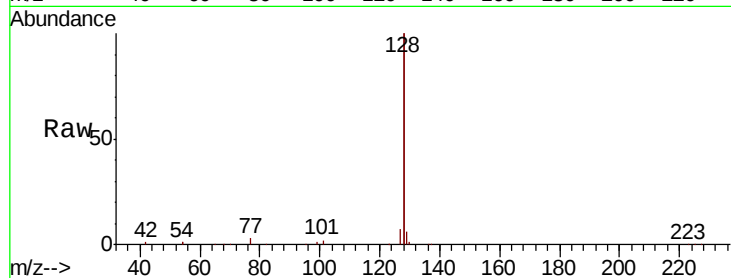
Tot Ion:128 Resp: 93924

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

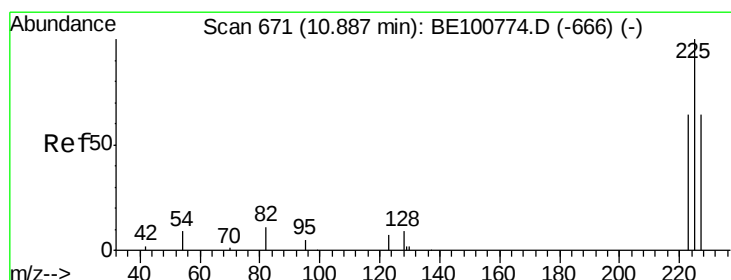
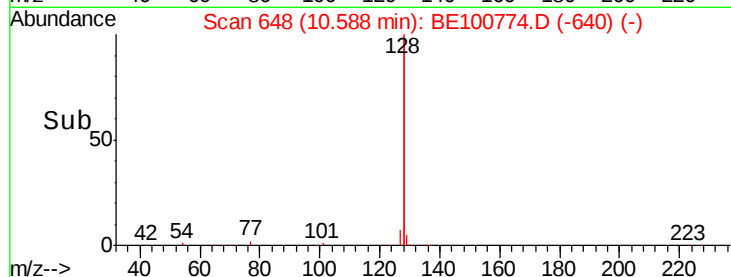
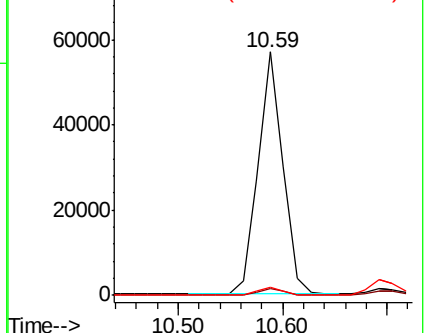
127 3.4 2.7 4.1



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: 0.396 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

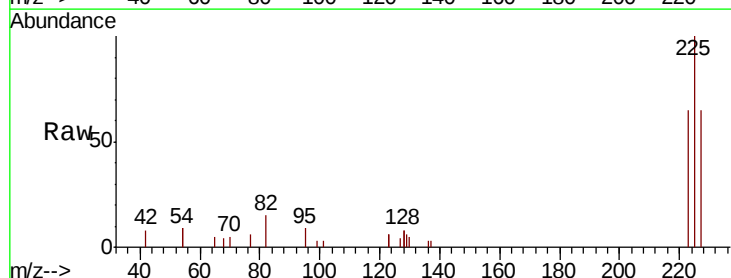
Tgt Ion:225 Resp: 3714

Ion Ratio Lower Upper

225 100

223 62.4 49.9 74.9

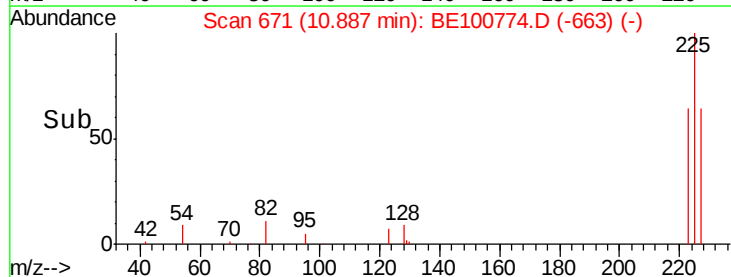
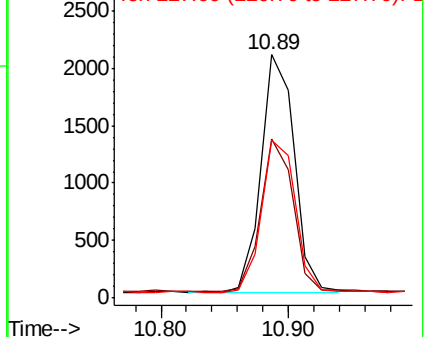
227 65.3 52.2 78.4



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

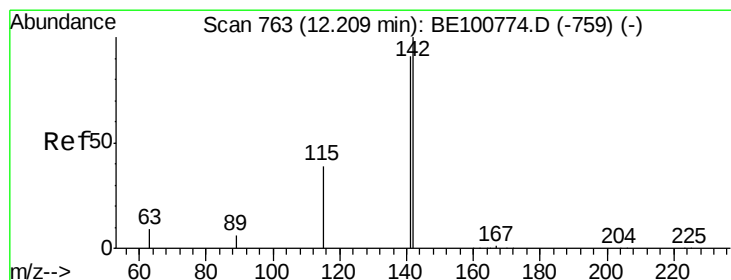
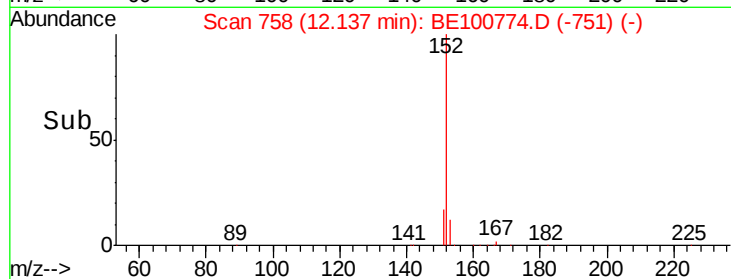
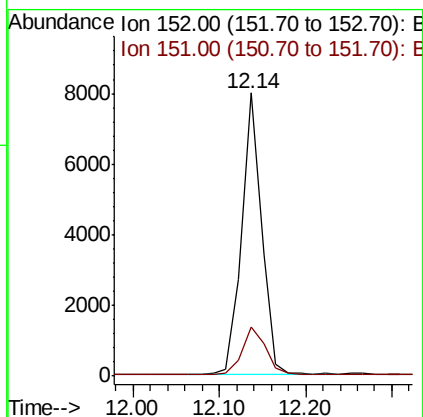
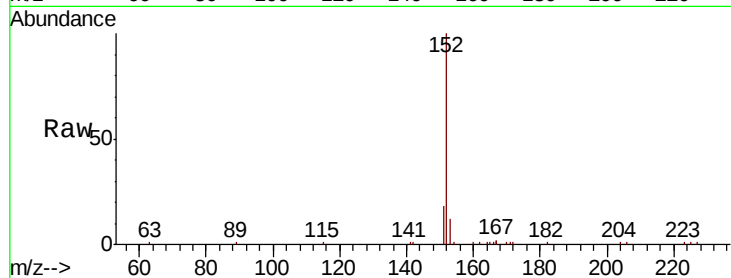




#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

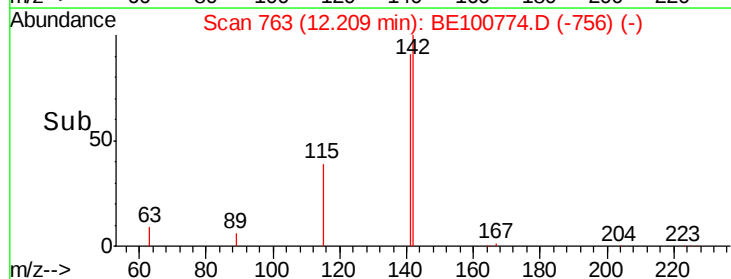
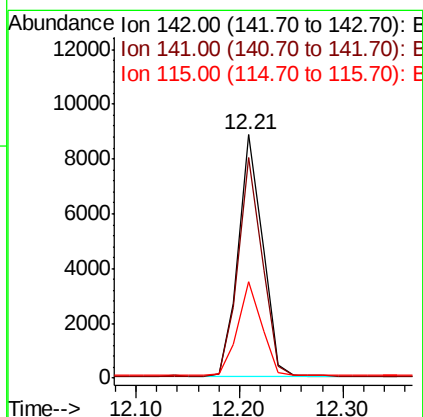
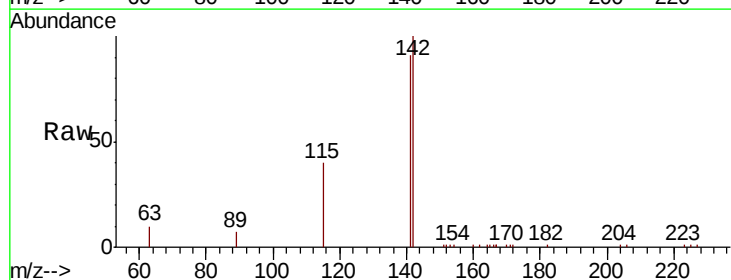
Instrument :
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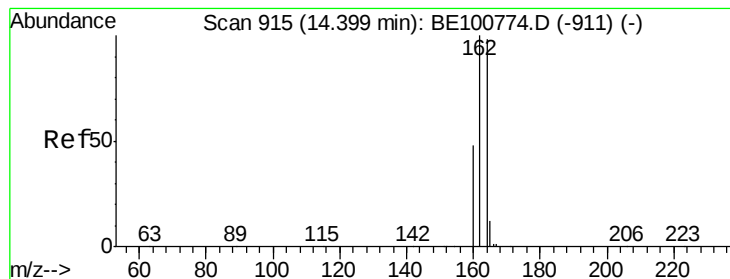
Tot Ion:152 Resp: 12548
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8



#12
2-Methylnaphthalene
Concen: 0.372 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

Tgt Ion:142 Resp: 14384
Ion Ratio Lower Upper
142 100
141 90.7 72.6 108.8
115 39.7 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: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

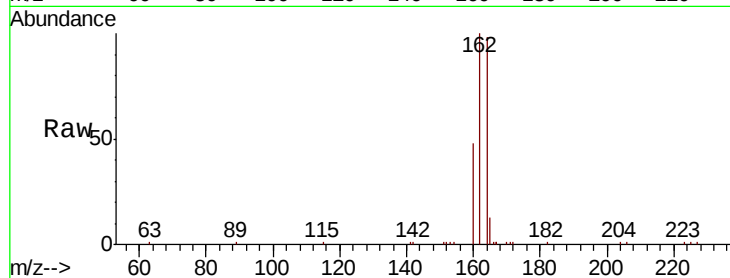
Tot Ion:164 Resp: 12347

Ion Ratio Lower Upper

164 100

162 101.7 81.4 122.0

160 49.2 39.4 59.0

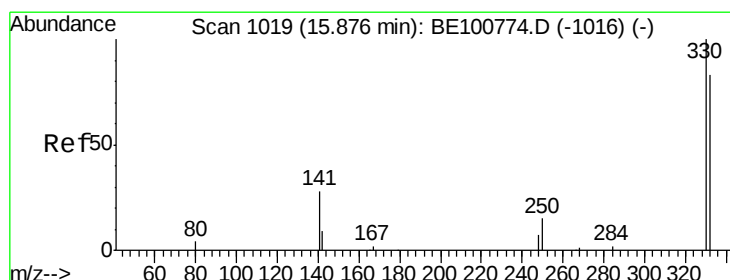
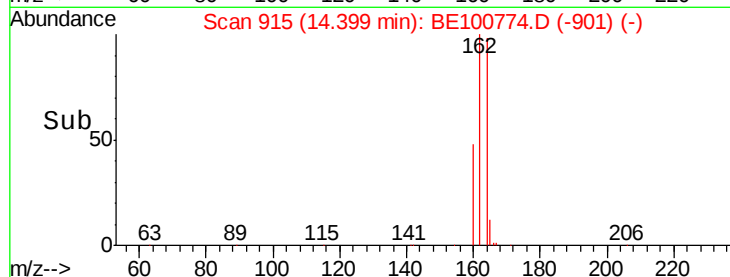
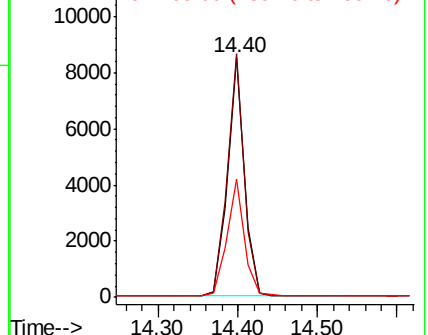


Abundance

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: 0.275 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

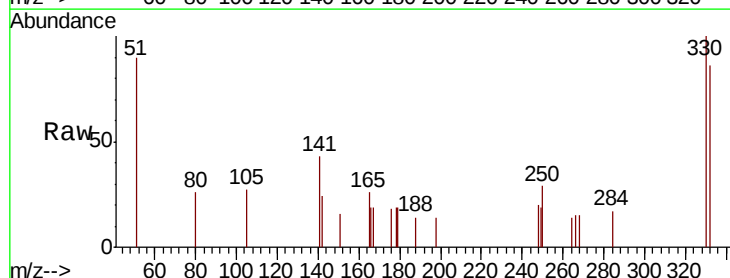
Tgt Ion:330 Resp: 479

Ion Ratio Lower Upper

330 100

332 86.8 69.4 104.2

141 63.9 51.1 76.7

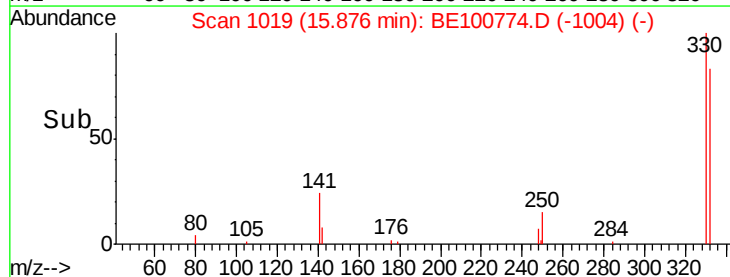
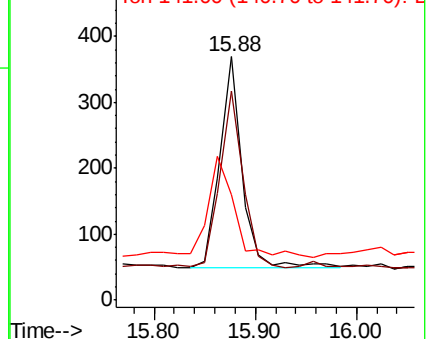


Abundance

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

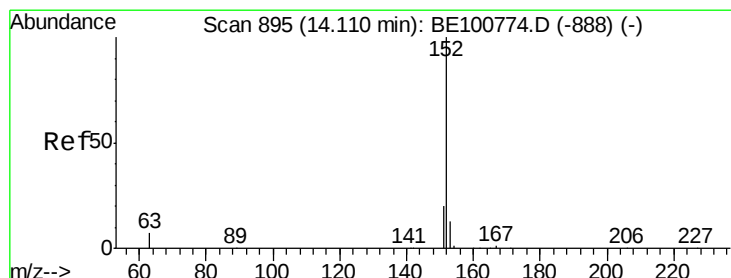
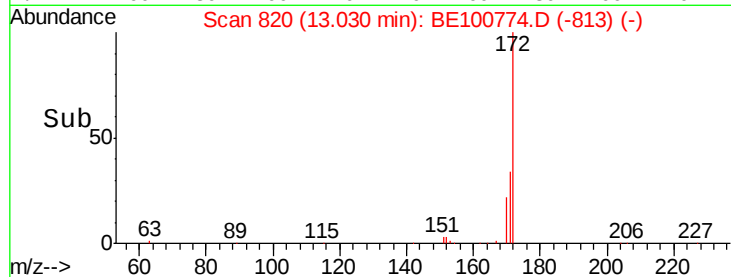
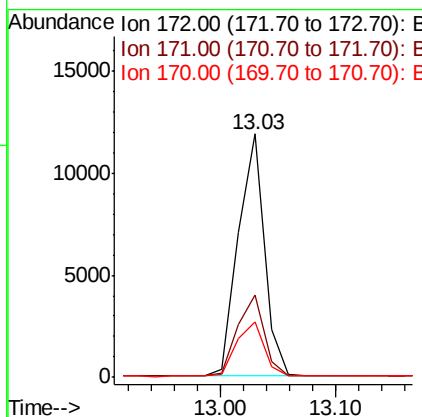
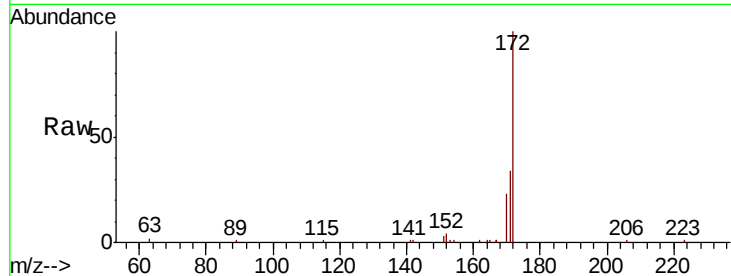




#15
 2-Fluorobiphenyl
 Concen: 0.390 ng
 RT: 13.03 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BE100774.D
 Acq: 4 Dec 2019 13:52

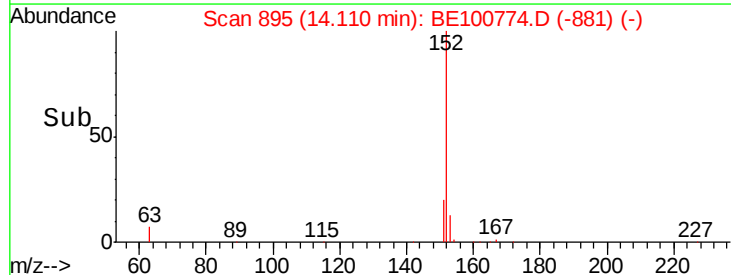
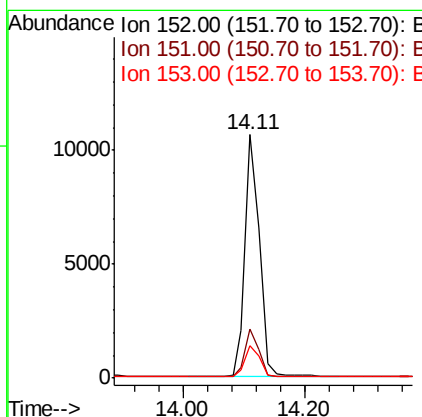
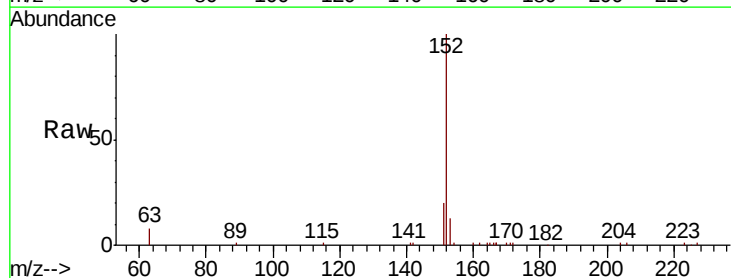
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.4

Tot Ion:172 Resp: 18711
 Ion Ratio Lower Upper
 172 100
 171 34.0 27.2 40.8
 170 22.5 18.0 27.0



#16
 Acenaphthylene
 Concen: 0.331 ng
 RT: 14.11 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: BE100774.D
 Acq: 4 Dec 2019 13:52

Tgt Ion:152 Resp: 17612
 Ion Ratio Lower Upper
 152 100
 151 19.7 15.8 23.6
 153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 0.360 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

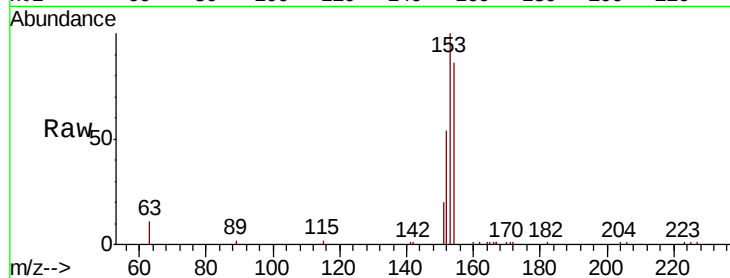
Tot Ion:154 Resp: 12825

Ion Ratio Lower Upper

154 100

153 114.8 92.2 138.2

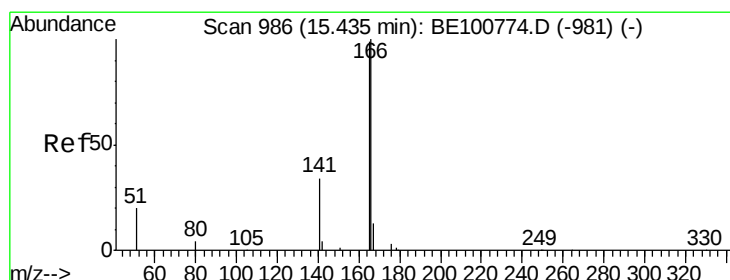
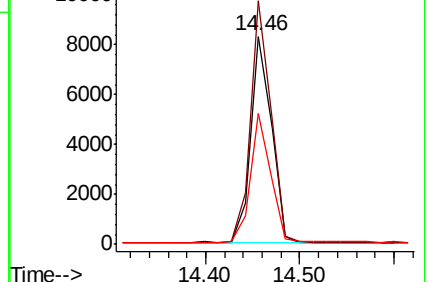
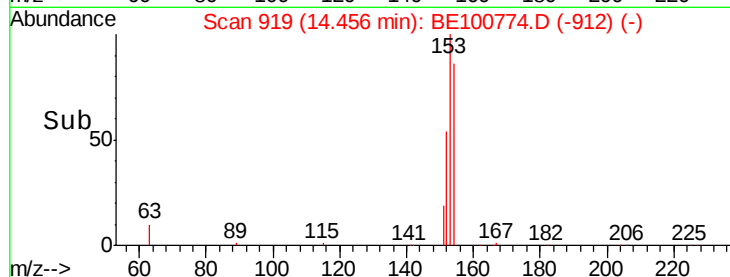
152 60.8 49.1 73.7



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: 0.355 ng

RT: 15.43 min Scan# 986

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

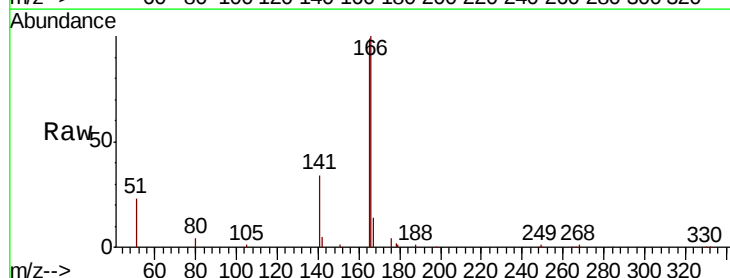
Tgt Ion:166 Resp: 16144

Ion Ratio Lower Upper

166 100

165 100.6 80.5 120.7

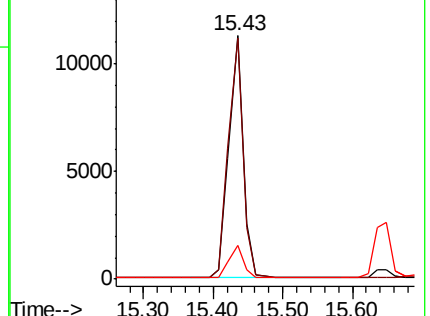
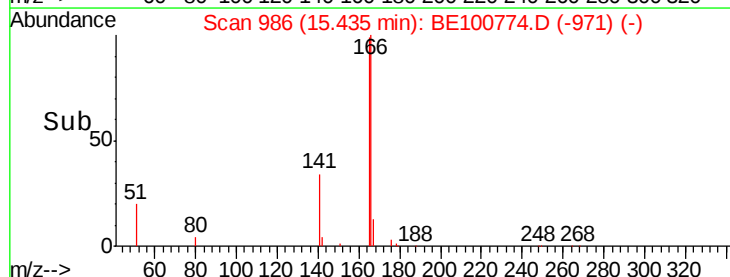
167 13.4 10.7 16.1

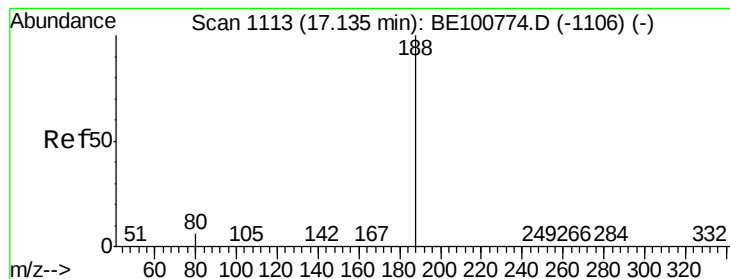


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.13 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

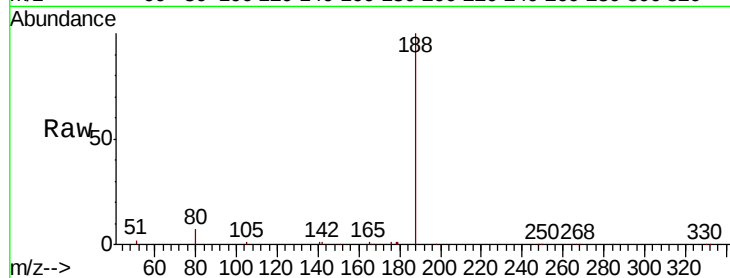
Tot Ion:188 Resp: 28371

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

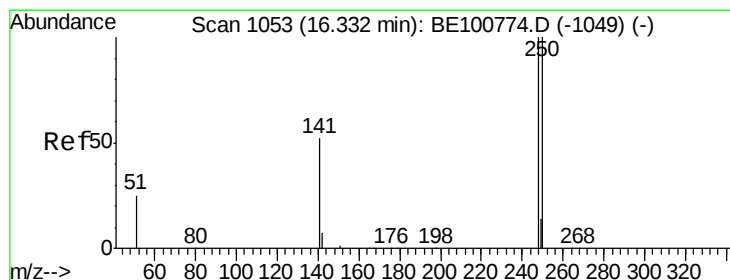
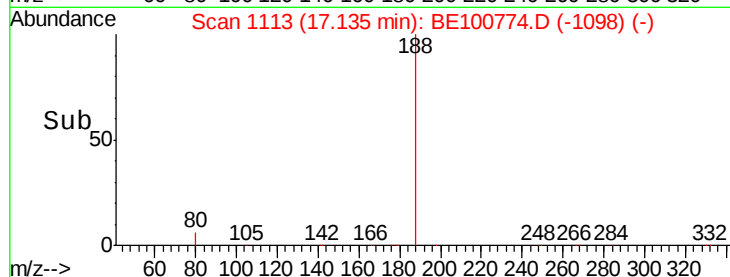
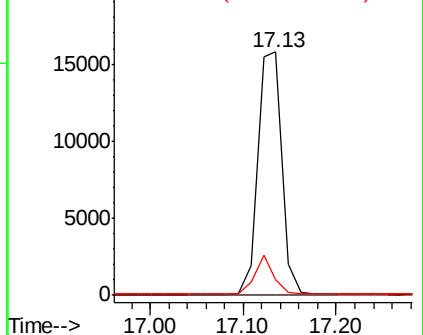
80 6.5 5.2 7.8



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: 0.361 ng

RT: 16.33 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

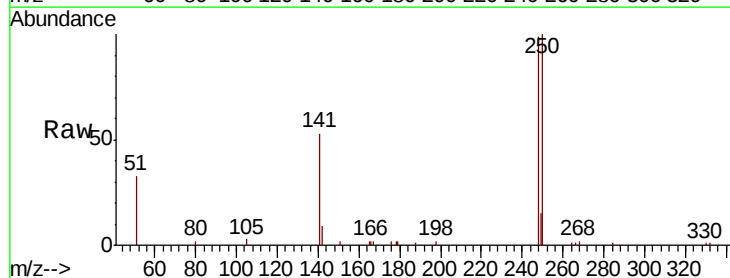
Tgt Ion:248 Resp: 5040

Ion Ratio Lower Upper

248 100

250 100.6 80.5 120.7

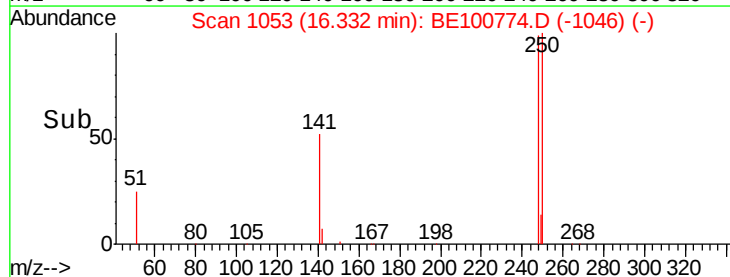
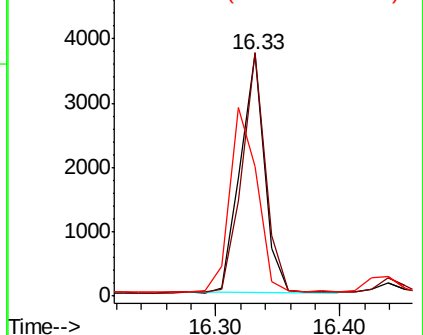
141 53.3 42.6 64.0



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

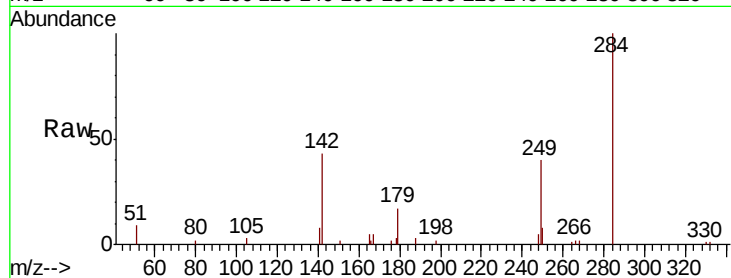




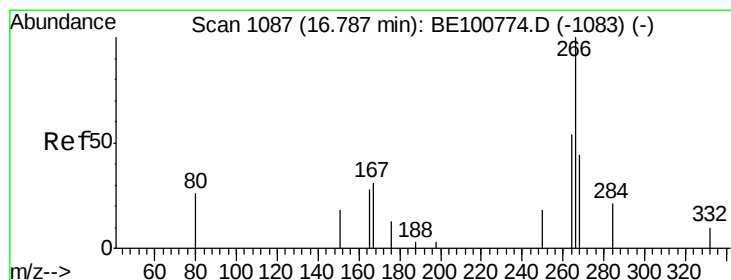
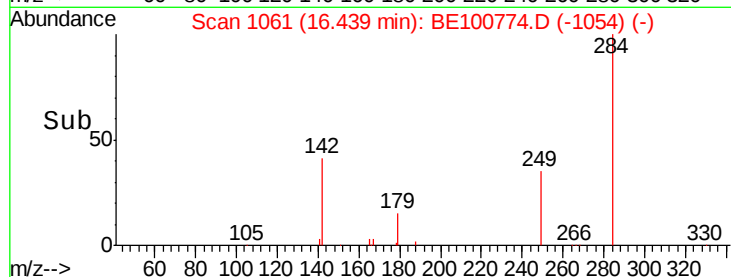
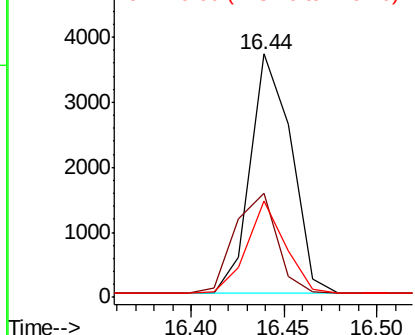
#21
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tot Ion:284 Resp: 5694
Ion Ratio Lower Upper
284 100
142 42.6 34.4 51.6
249 35.6 28.5 42.7

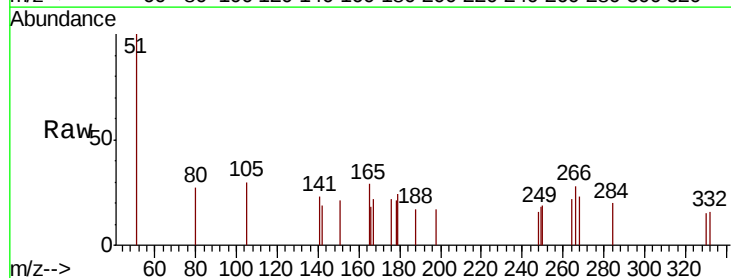


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

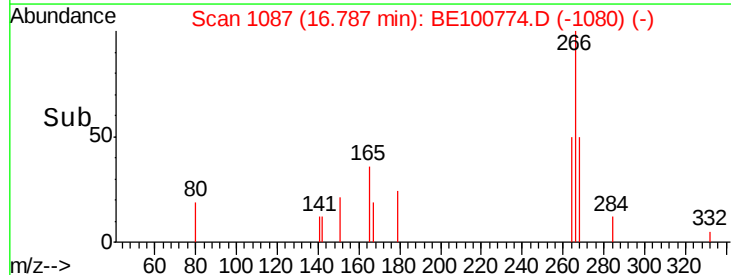
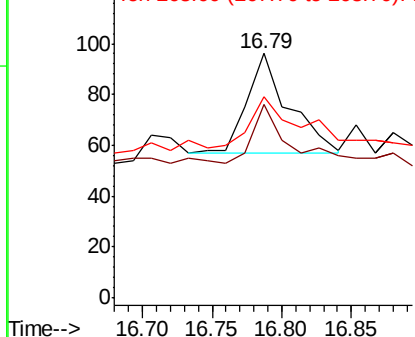


#22
Pentachlorophenol
Concen: 0.031 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

Tgt Ion:266 Resp: 81
Ion Ratio Lower Upper
266 100
264 79.2 63.4 95.0
268 82.3 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: 0.379 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

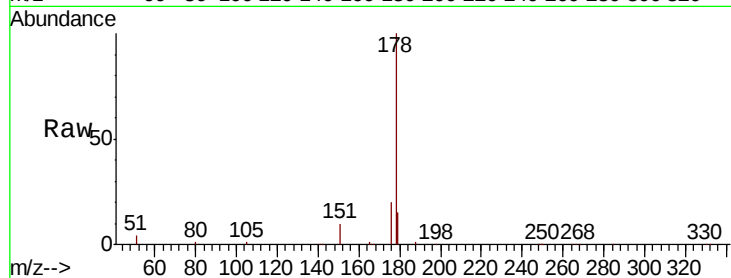
Tot Ion:178 Resp: 32400

Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.4 12.3 18.5

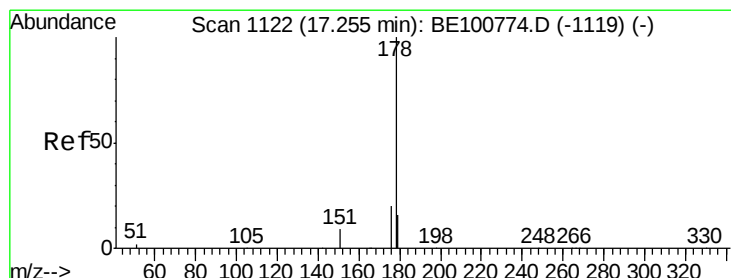
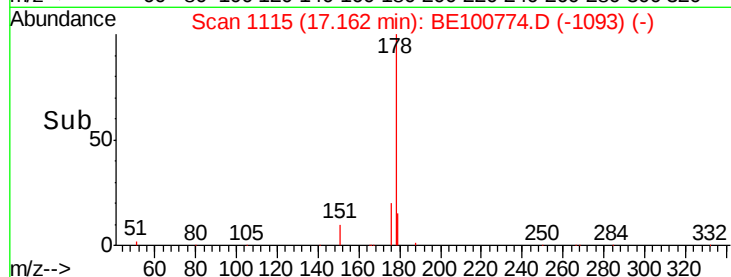
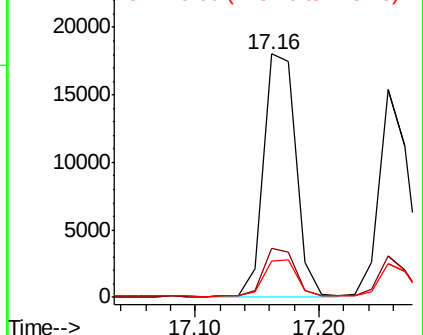


Abundance

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: 0.336 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

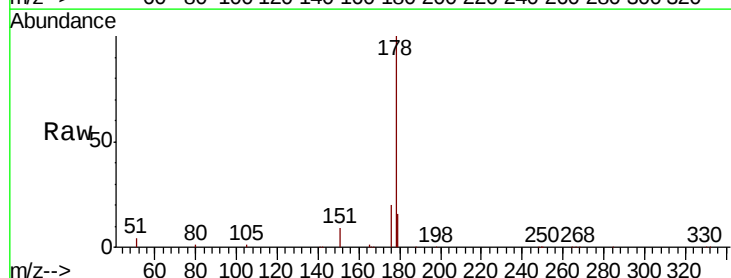
Tgt Ion:178 Resp: 24709

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 16.0 12.7 19.1

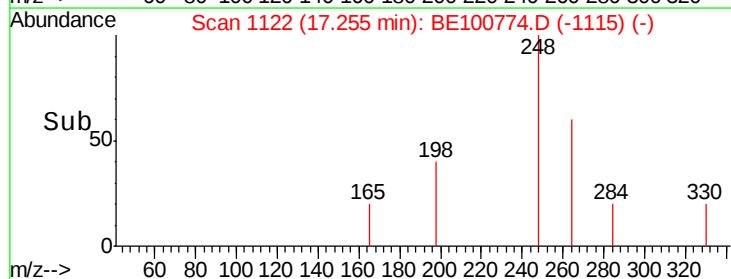
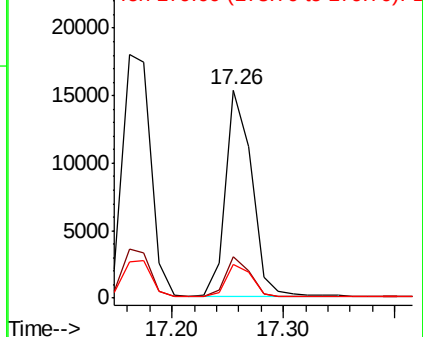


Abundance

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: 0.349 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

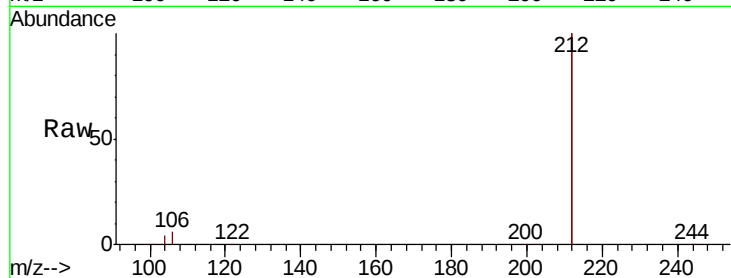
Tot Ion:212 Resp: 121265

Ion Ratio Lower Upper

212 100

106 3.2 2.6 3.8

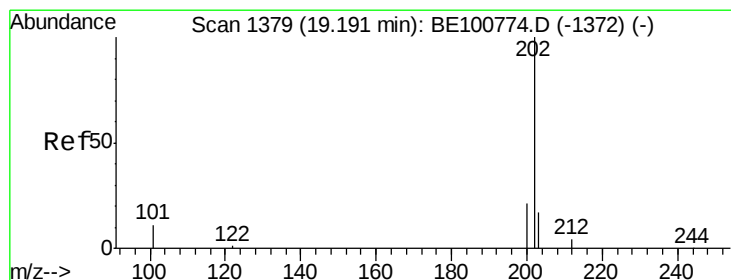
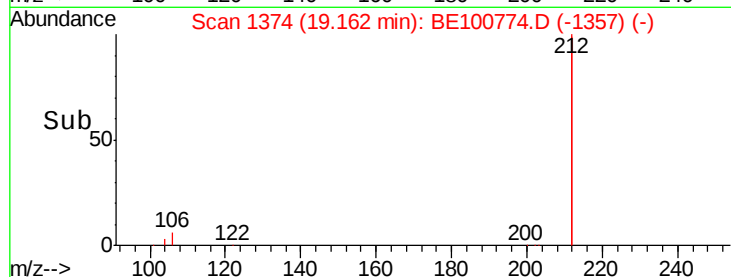
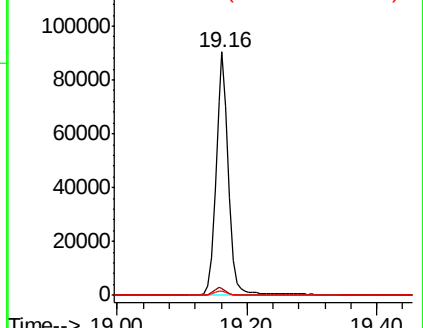
104 1.8 1.4 2.2



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: 0.354 ng

RT: 19.19 min Scan# 1379

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

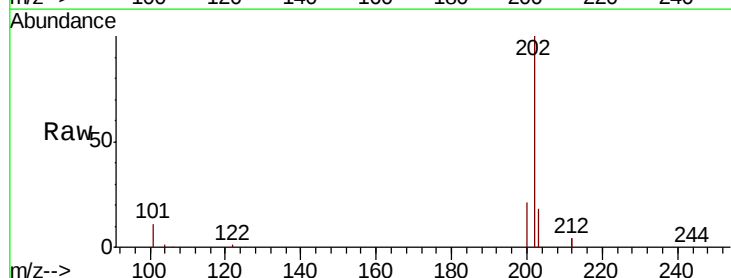
Tgt Ion:202 Resp: 37045

Ion Ratio Lower Upper

202 100

101 11.4 9.1 13.7

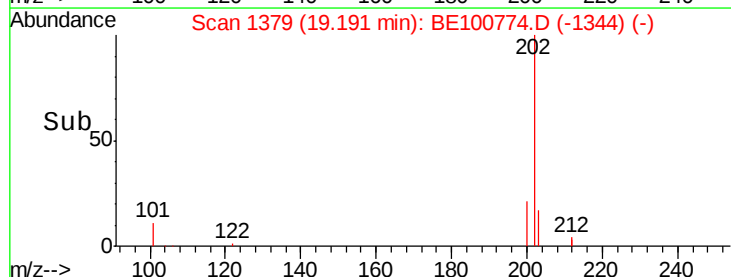
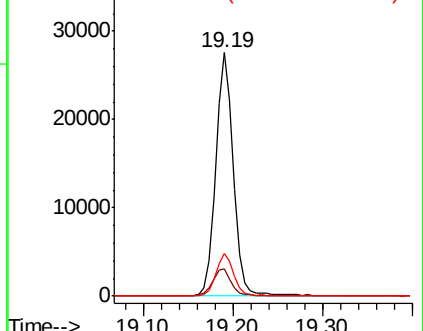
203 17.2 13.8 20.6



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

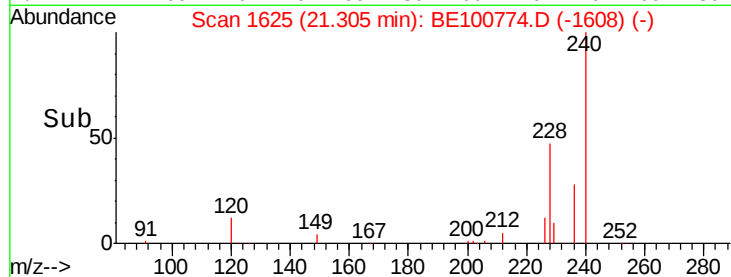
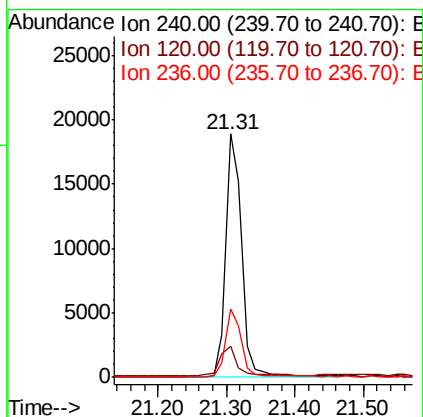
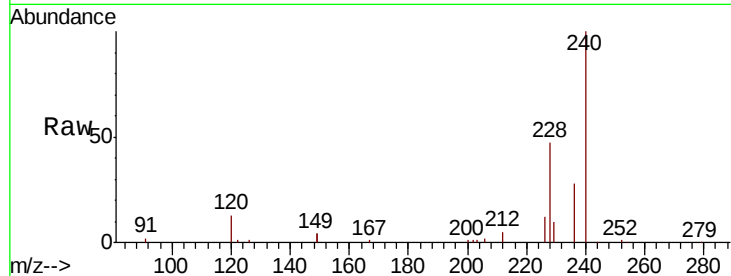




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

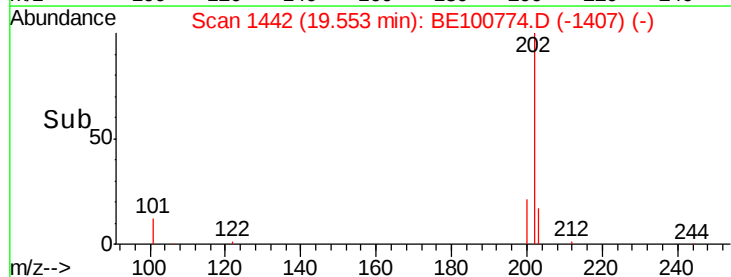
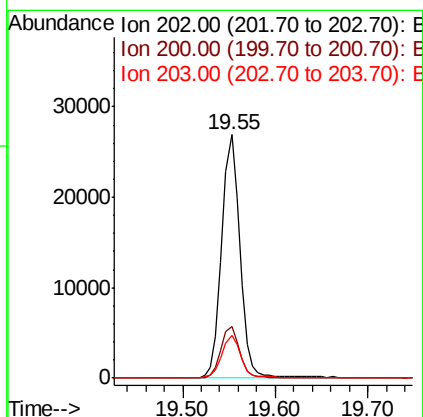
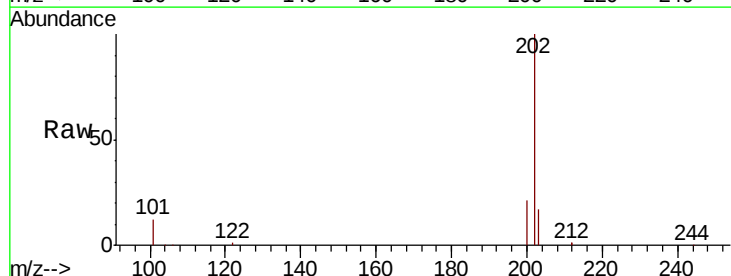
Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tot Ion:240 Resp: 29992
Ion Ratio Lower Upper
240 100
120 12.7 10.2 15.2
236 27.9 22.3 33.5



#28
Pyrene
Concen: 0.392 ng
RT: 19.55 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE100774.D
Acq: 4 Dec 2019 13:52

Tgt Ion:202 Resp: 36437
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.4 13.9 20.9





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 19.77 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

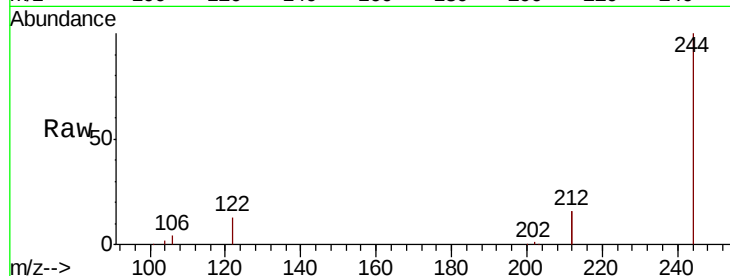
Tot Ion:244 Resp: 27466

Ion Ratio Lower Upper

244 100

212 32.8 26.2 39.4

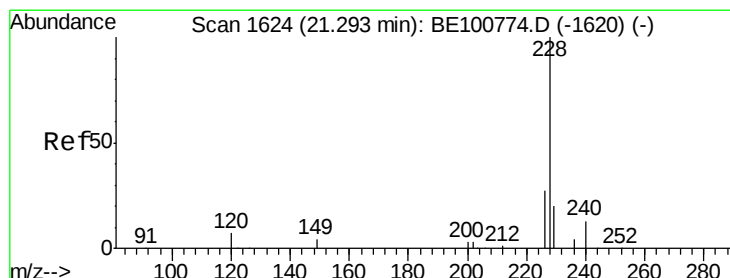
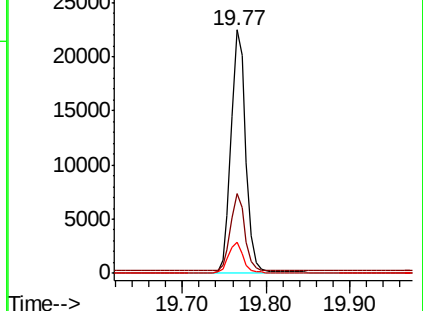
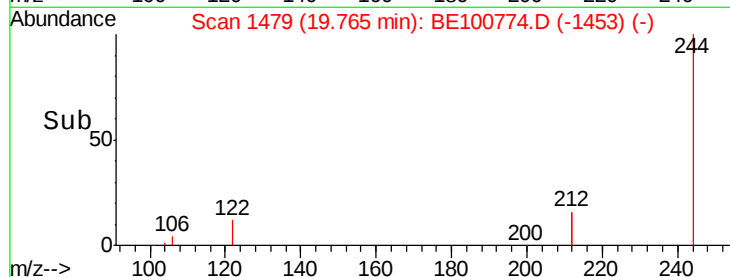
122 12.8 10.2 15.4



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: 0.310 ng

RT: 21.29 min Scan# 1624

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

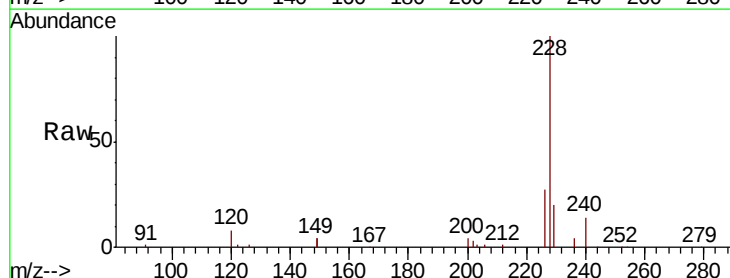
Tgt Ion:228 Resp: 31405

Ion Ratio Lower Upper

228 100

226 26.9 21.5 32.3

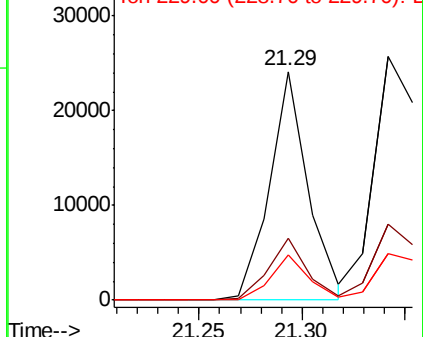
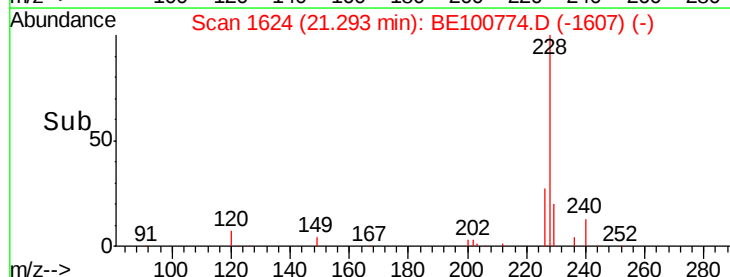
229 20.0 16.0 24.0



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: 0.391 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

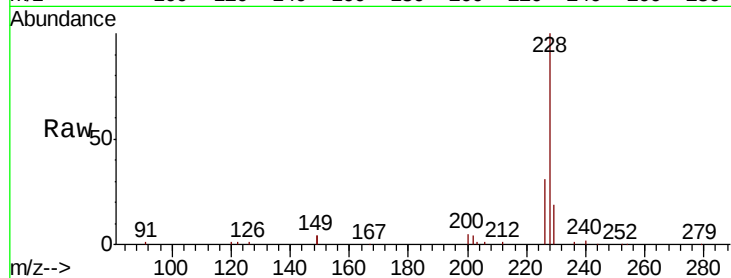
Tot Ion:228 Resp: 40237

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.4

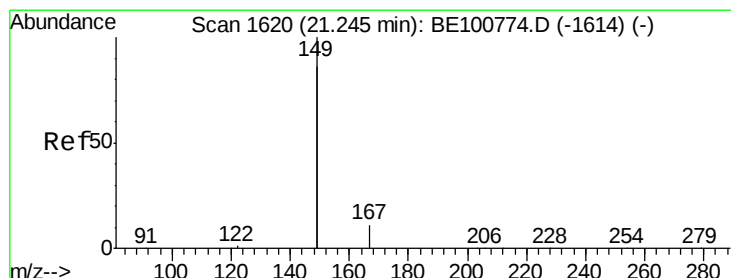
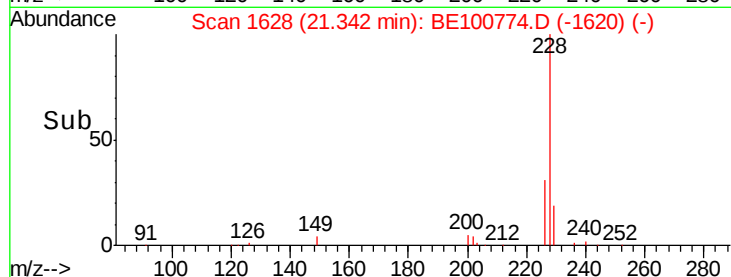
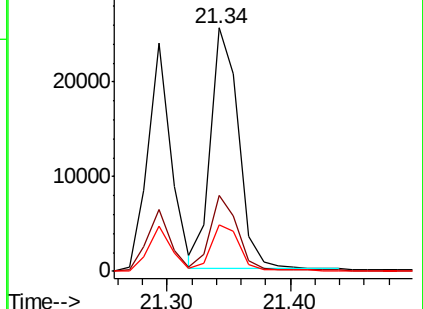
229 19.3 15.4 23.2



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: 0.134 ng

RT: 21.24 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

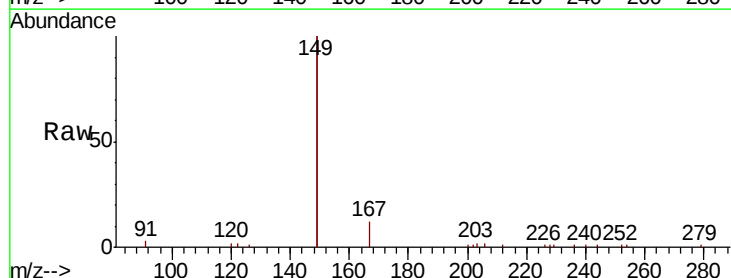
Tgt Ion:149 Resp: 24314

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.6

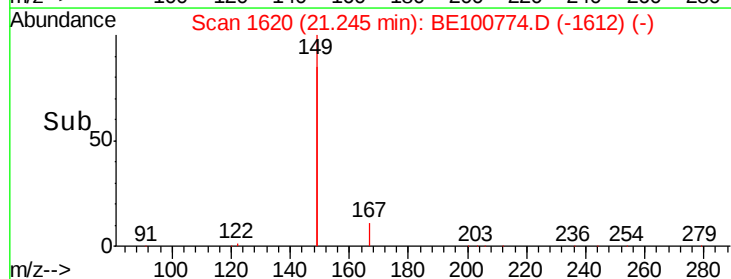
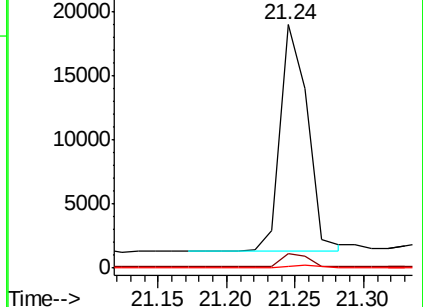
279 0.9 0.7 1.1



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: 0.296 ng

RT: 26.34 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

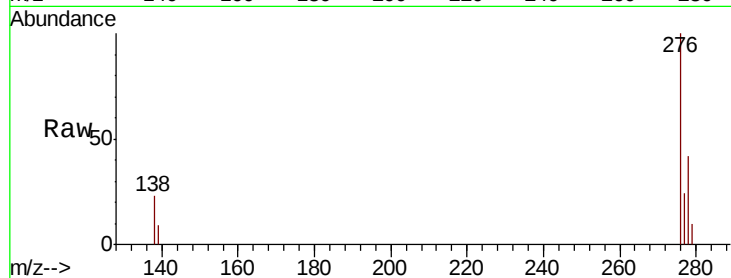
Tot Ion:276 Resp: 31964

Ion Ratio Lower Upper

276 100

138 24.2 19.4 29.0

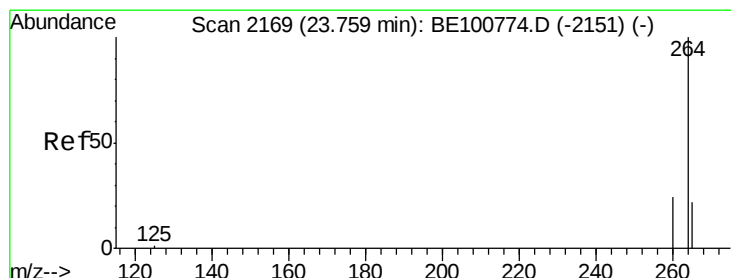
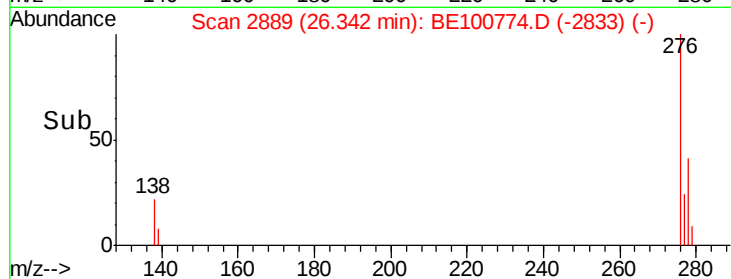
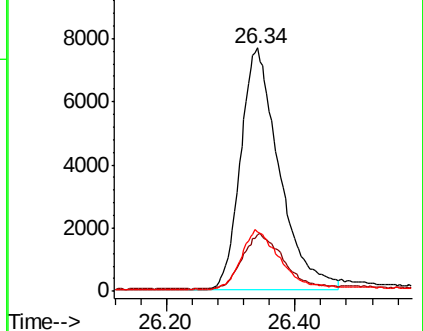
277 24.7 19.8 29.6



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: 23.76 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

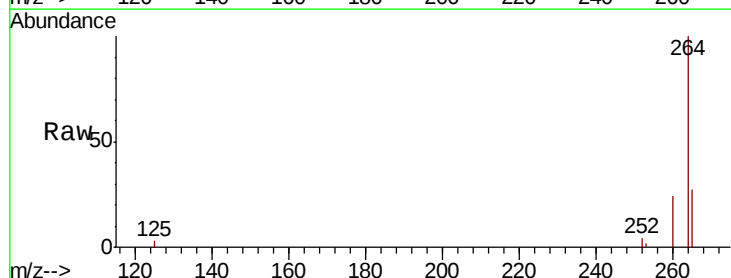
Tgt Ion:264 Resp: 31012

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.2

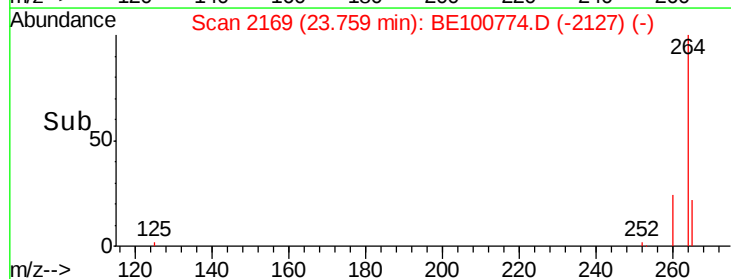
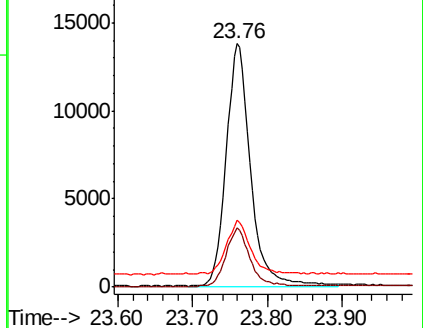
265 27.3 21.8 32.8

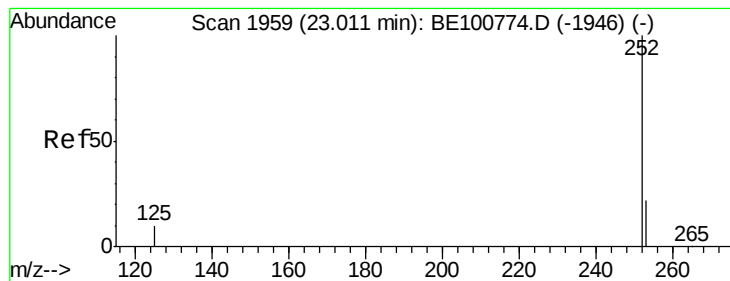


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.331 ng

RT: 23.01 min Scan# 1959

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

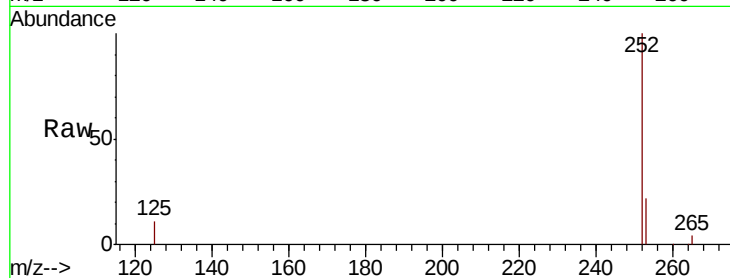
Tot Ion:252 Resp: 32191

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

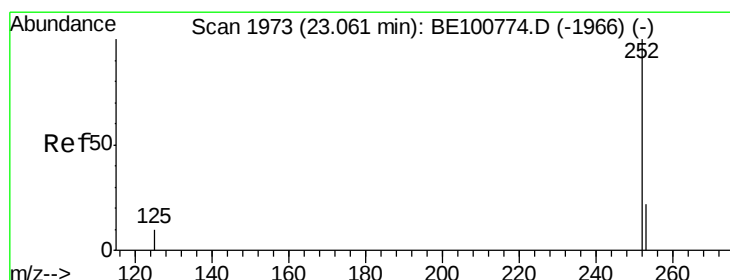
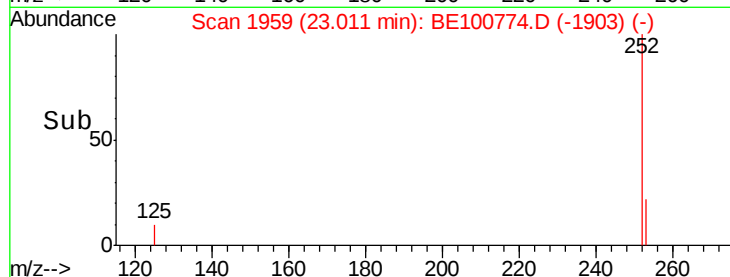
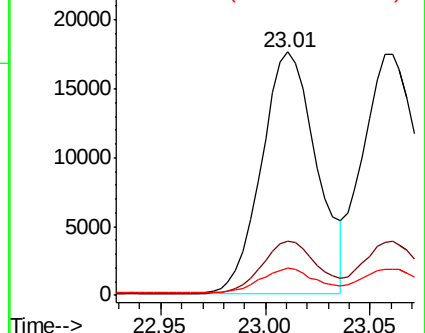
125 11.2 9.0 13.4



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: 0.356 ng

RT: 23.06 min Scan# 1973

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

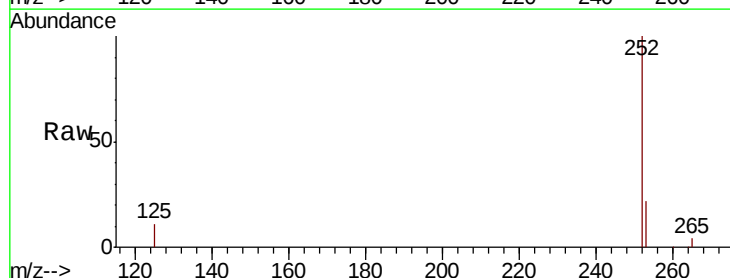
Tgt Ion:252 Resp: 36173

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

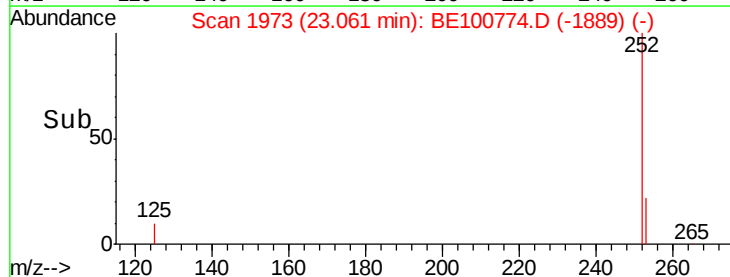
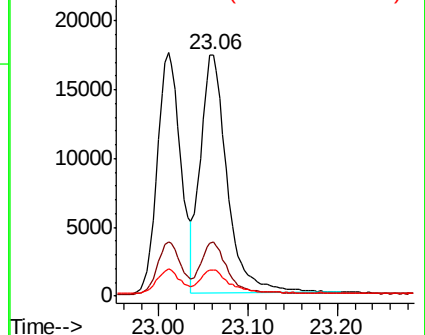
125 10.9 8.7 13.1



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: 0.312 ng

RT: 23.65 min Scan# 2138

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

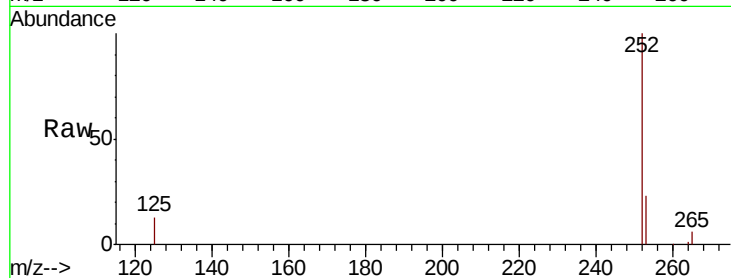
Tot Ion:252 Resp: 26793

Ion Ratio Lower Upper

252 100

253 22.8 18.2 27.4

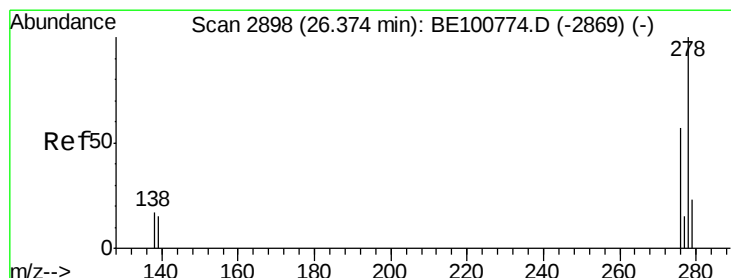
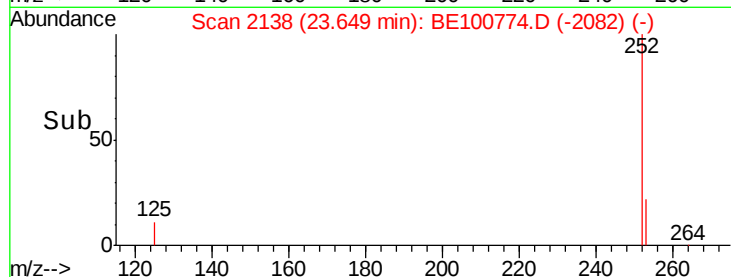
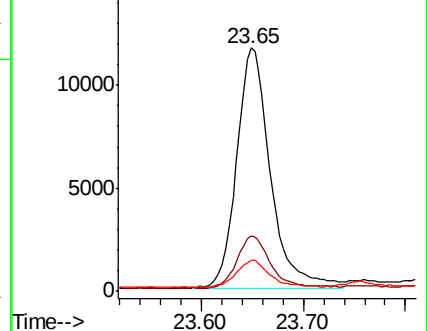
125 13.0 10.4 15.6



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: 0.288 ng

RT: 26.37 min Scan# 2898

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

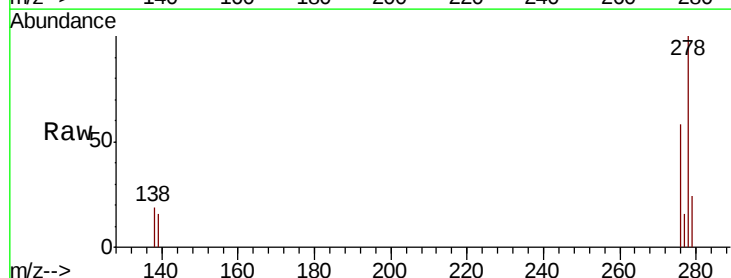
Tgt Ion:278 Resp: 25973

Ion Ratio Lower Upper

278 100

139 16.2 13.0 19.4

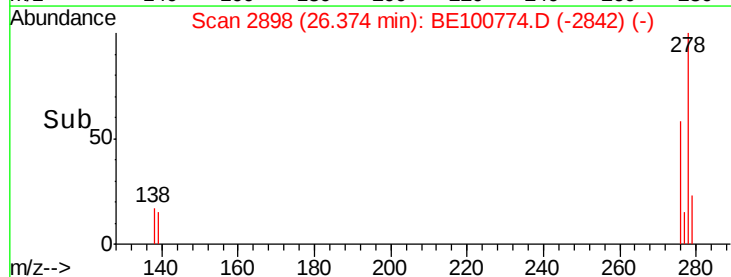
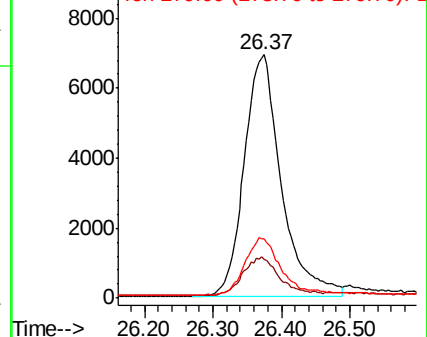
279 24.5 19.6 29.4



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: 0.313 ng

RT: 27.13 min Scan# 3109

Delta R.T. 0.00 min

Lab File: BE100774.D

Acq: 4 Dec 2019 13:52

Instrument :

BNA_E

ClientSampleId :

SSTDICCC0.4

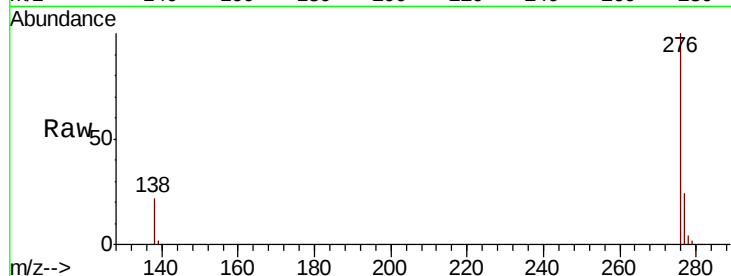
Tot Ion: 276 Resp: 29459

Ion Ratio Lower Upper

276 100

277 24.1 19.3 28.9

138 22.2 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

