

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100921.D
 Acq On : 16 Dec 2019 15:45
 Operator : JU
 Sample : K6252-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 16 16:48:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

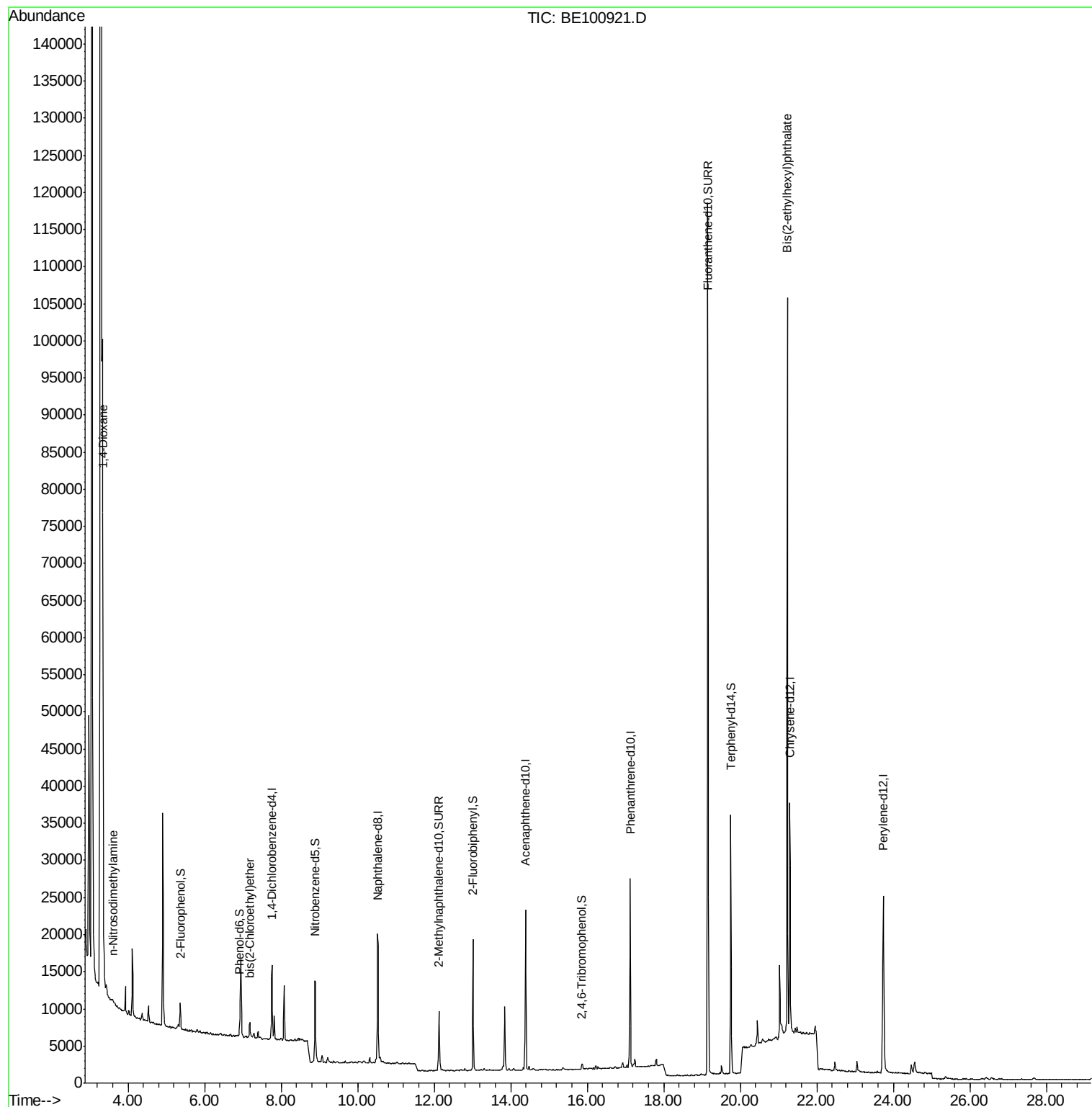
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4637	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	21397	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	12686	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	33905	0.40	ng	0.00
27) Chrysene-d12	21.29	240	32470	0.40	ng	-0.01
34) Perylene-d12	23.74	264	36095	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1751	0.16	ng	0.00
5) Phenol-d6	6.92	99	2058	0.12	ng	0.00
8) Nitrobenzene-d5	8.90	82	5210	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	11268	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	427	0.30	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	15561	0.31	ng	0.00
25) Fluoranthene-d10	19.15	212	151992	0.38	ng	0.00
29) Terphenyl-d14	19.75	244	28816	0.37	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	35555	4.206	ng	Qvalue 88
3) n-Nitrosodimethylamine	3.60	42	214	0.031	ng	# 2
6) bis(2-Chloroethyl)ether	7.18	93	788	0.049	ng	94
32) Bis(2-ethylhexyl)phthalate	21.23	149	106380	1.335	ng	99

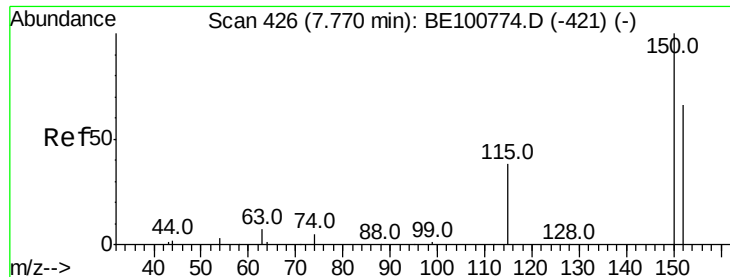
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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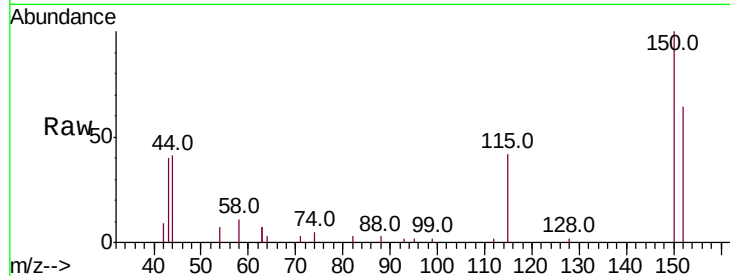


#1

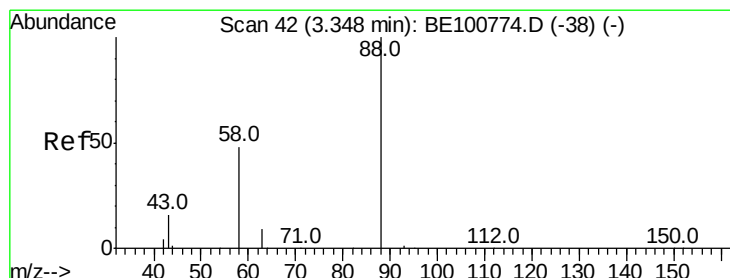
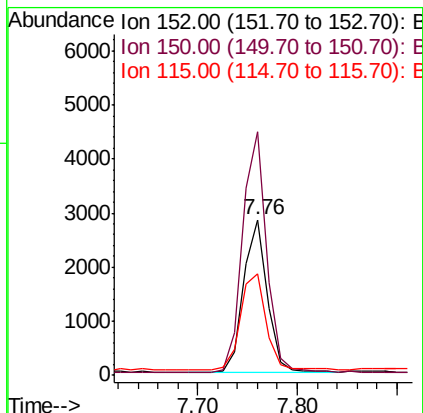
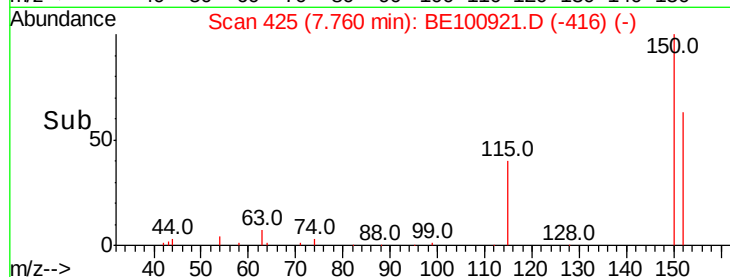
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100921.D
Acq: 16 Dec 2019 15:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4637
Ion Ratio Lower Upper
152 100
150 156.4 125.5 188.3
115 65.3 55.7 83.5



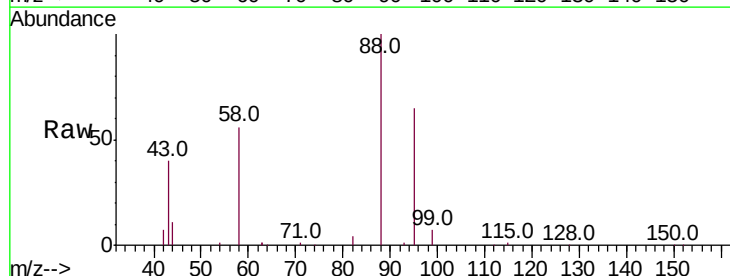
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



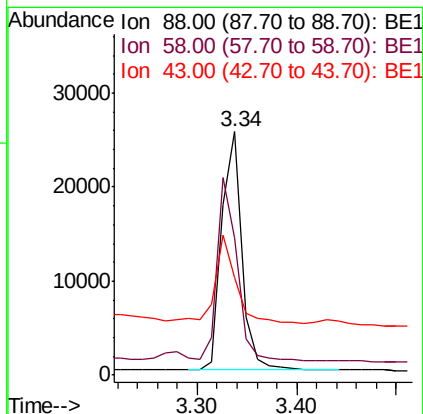
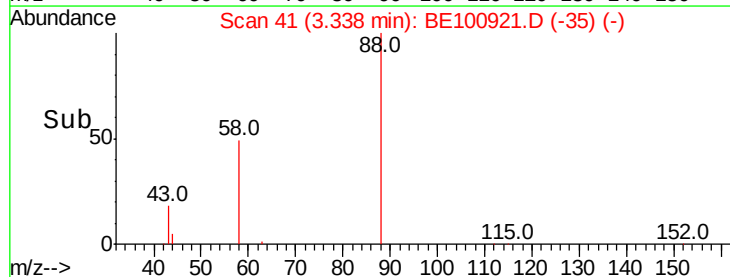
#2

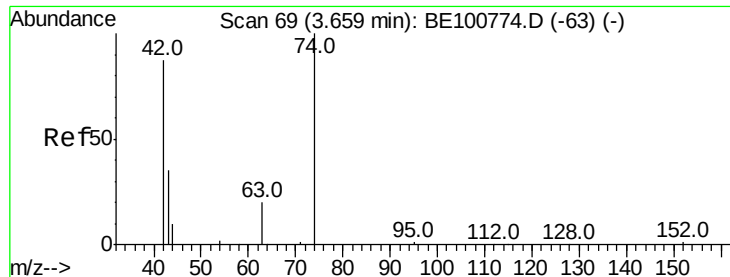
1,4-Dioxane
Concen: 4.206 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100921.D
Acq: 16 Dec 2019 15:45

Tgt Ion: 88 Resp: 35555
Ion Ratio Lower Upper
88 100
58 74.8 52.3 78.5
43 35.3 23.5 35.3



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



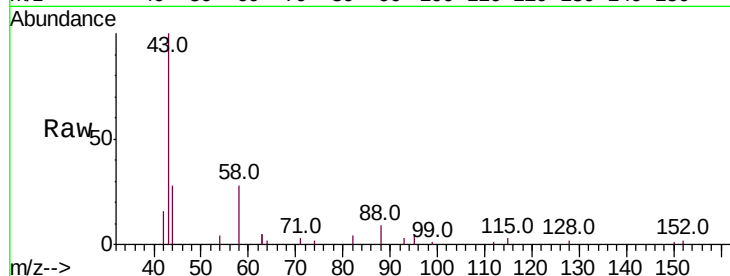


#3

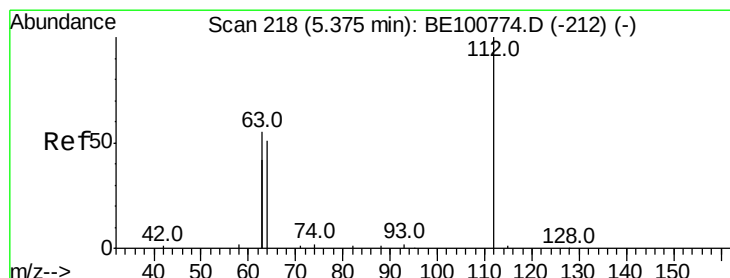
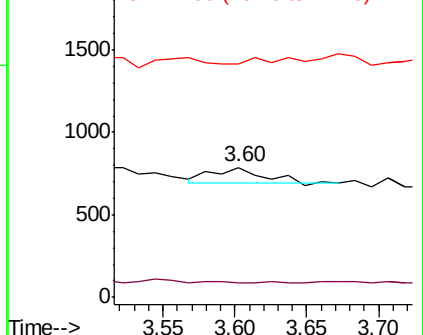
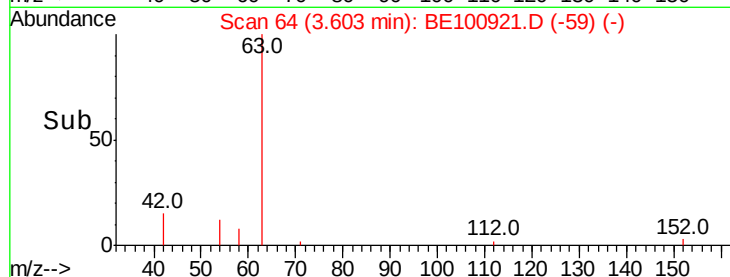
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.04 min
Lab File: BE100921.D
Acq: 16 Dec 2019 15:45

Instrument :
BNA_E
ClientSampleId :

Tot Ion: 42 Resp: 214
Ion Ratio Lower Upper
42 100
74 0.0 90.3 135.5#
44 0.0 9.0 13.4#



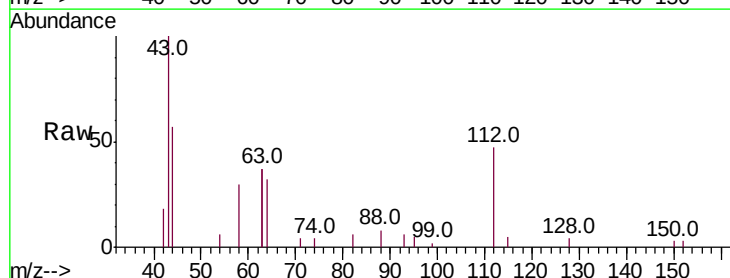
Abundance Ion 42.00 (41.70 to 42.70): BE1
2000 Ion 74.00 (73.70 to 74.70): BE1
1500 Ion 44.00 (43.70 to 44.70): BE1



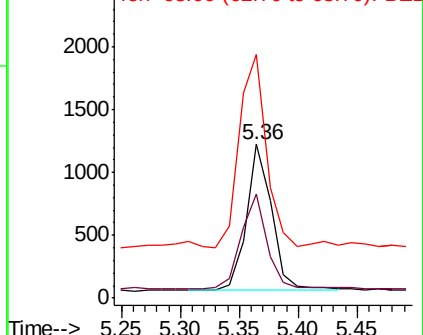
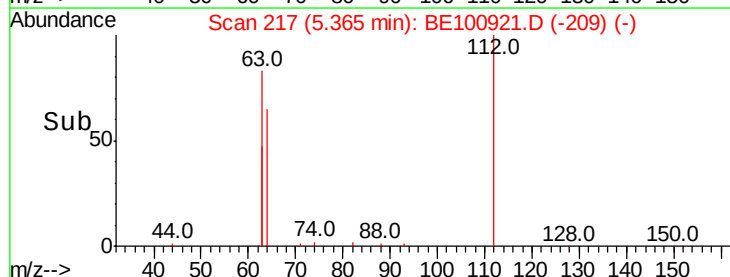
#4

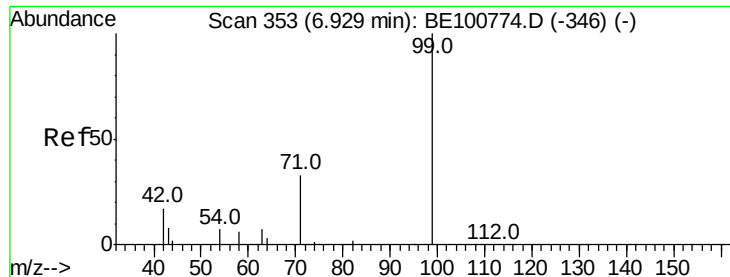
2-Fluorophenol
Concen: 0.159 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE100921.D
Acq: 16 Dec 2019 15:45

Tgt Ion: 112 Resp: 1751
Ion Ratio Lower Upper
112 100
64 68.3 54.5 81.7
63 138.0 116.1 174.1



Abundance Ion 112.00 (111.70 to 112.70): E
2500 Ion 64.00 (63.70 to 64.70): BE1
2000 Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.124 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

Instrument :

BNA_E

ClientSampleId :

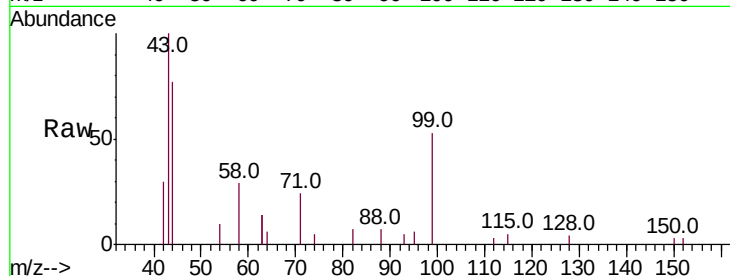
Tot Ion: 99 Resp: 2058

Ion Ratio Lower Upper

99 100

42 0.0 18.2 27.2#

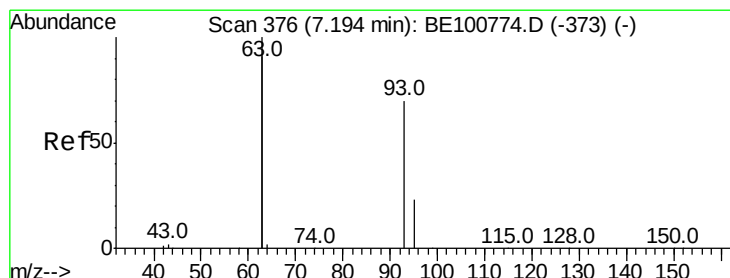
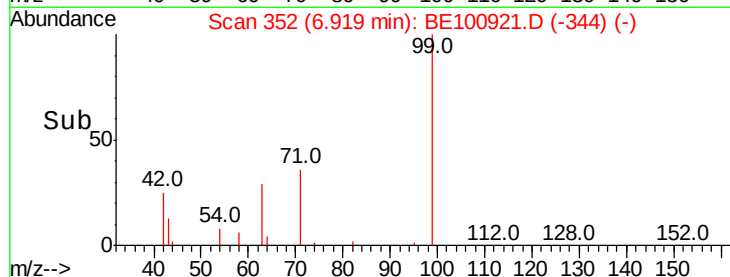
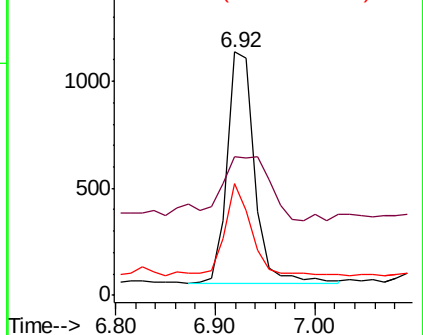
71 40.4 29.1 43.7



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: 0.049 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

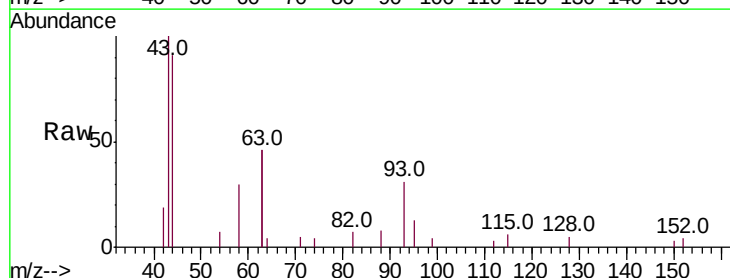
Tgt Ion: 93 Resp: 788

Ion Ratio Lower Upper

93 100

63 329.2 253.9 380.9

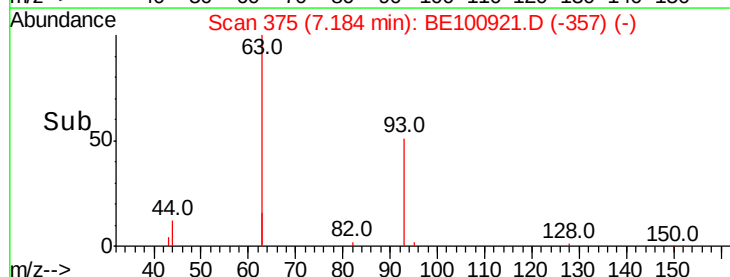
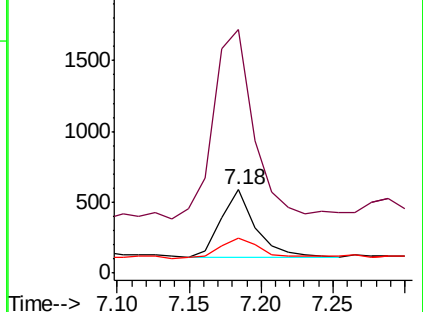
95 35.9 25.0 37.6

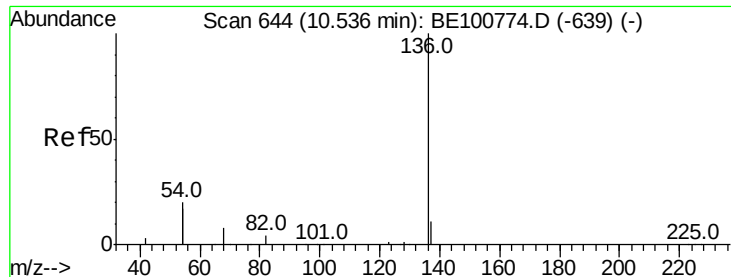


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: BE100921.D

Acq: 16 Dec 2019 15:45

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 21397

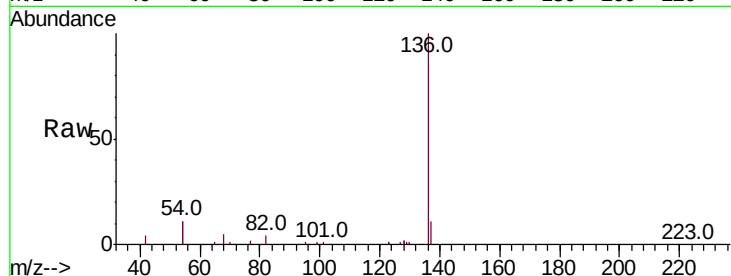
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 21.2 18.9 28.3

68 4.9 4.6 6.8

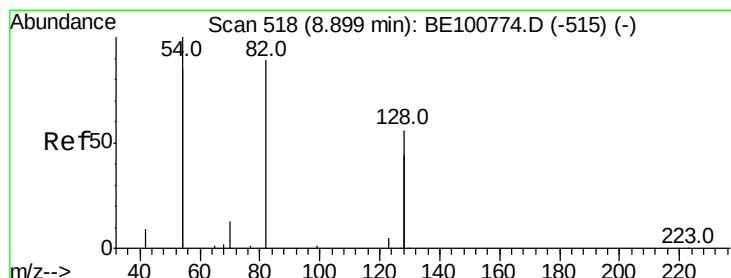
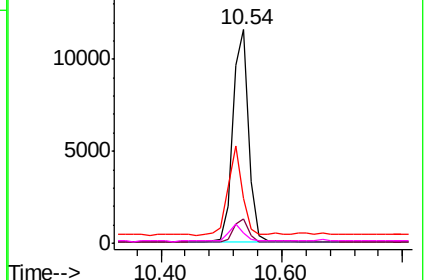
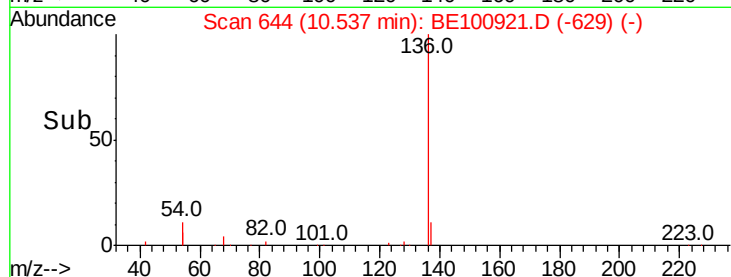


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.511 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

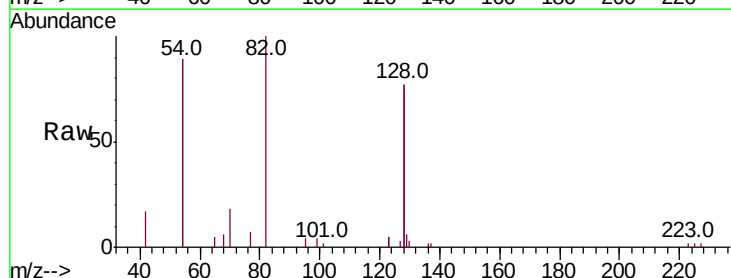
Tgt Ion: 82 Resp: 5210

Ion Ratio Lower Upper

82 100

128 154.3 113.5 170.3

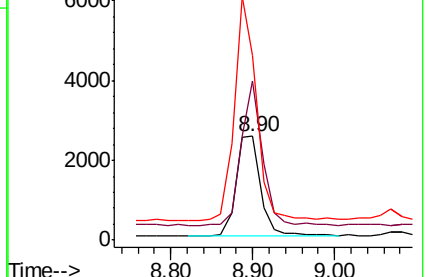
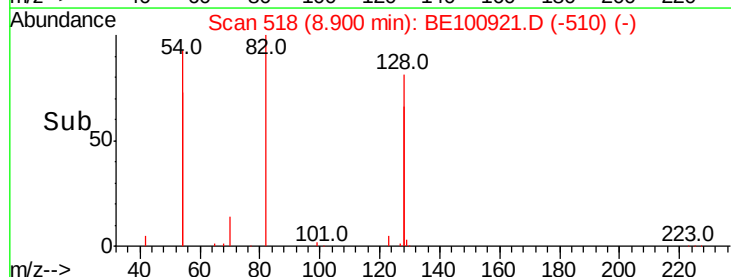
54 178.0 138.9 208.3

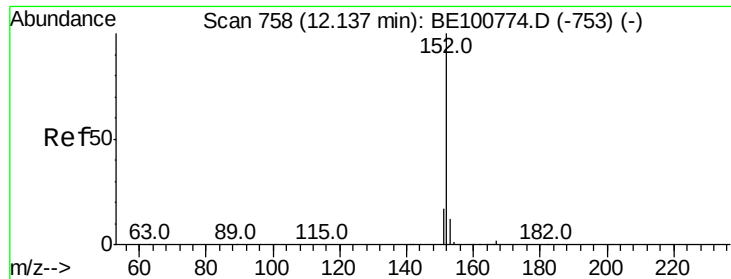


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

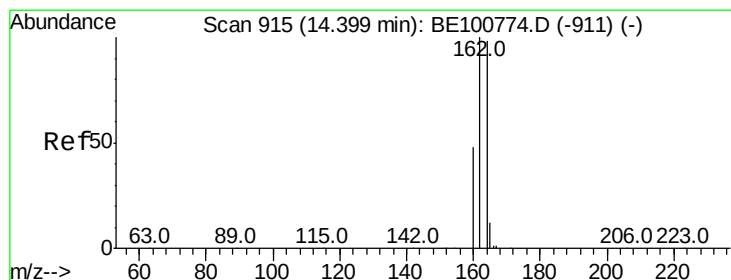
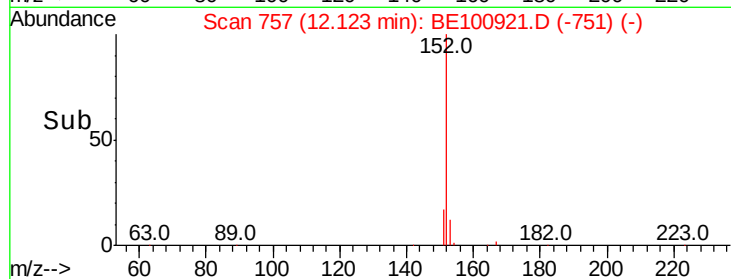
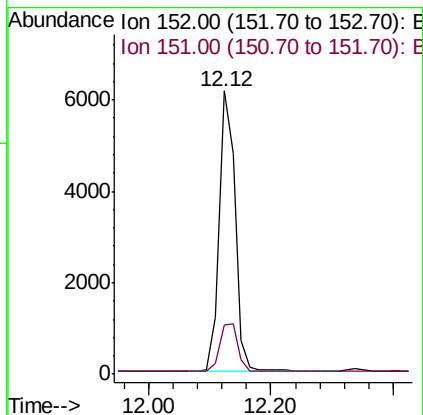
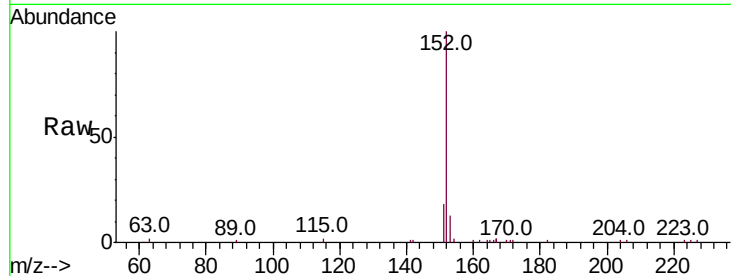




#11
 2-Methylnaphthalene-d10
 Concen: 0.363 ng
 RT: 12.12 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BE100921.D
 Acq: 16 Dec 2019 15:45

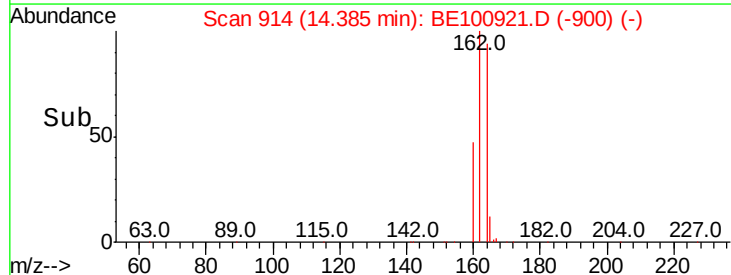
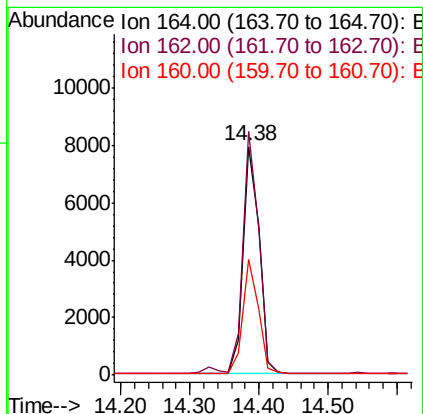
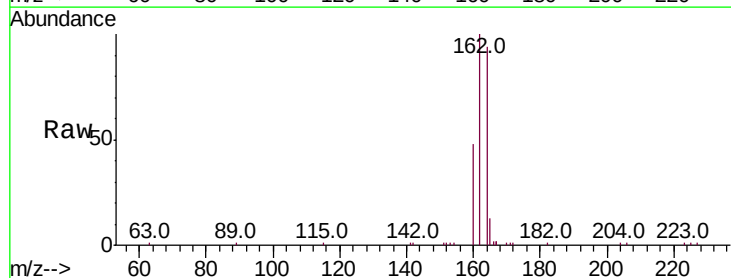
Instrument :
 BNA_E
 ClientSampleId :

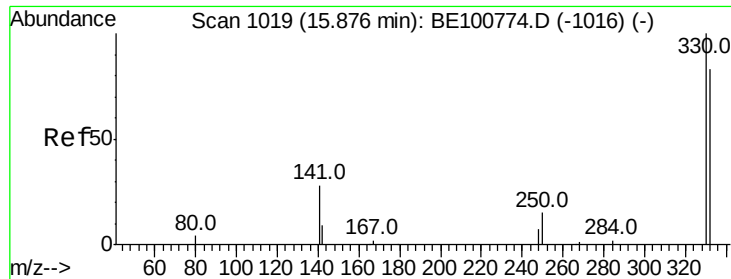
Tot Ion:152 Resp: 11268
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.1 22.7



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.38 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BE100921.D
 Acq: 16 Dec 2019 15:45

Tgt Ion:164 Resp: 12686
 Ion Ratio Lower Upper
 164 100
 162 106.7 86.0 129.0
 160 50.8 42.3 63.5

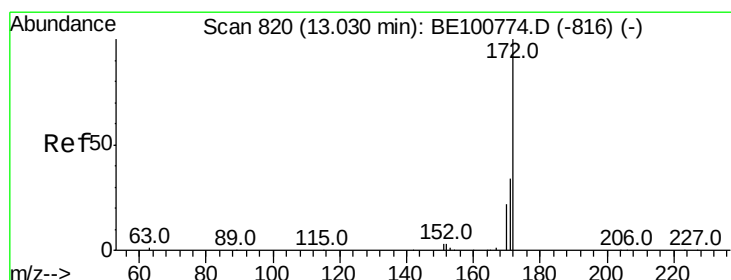
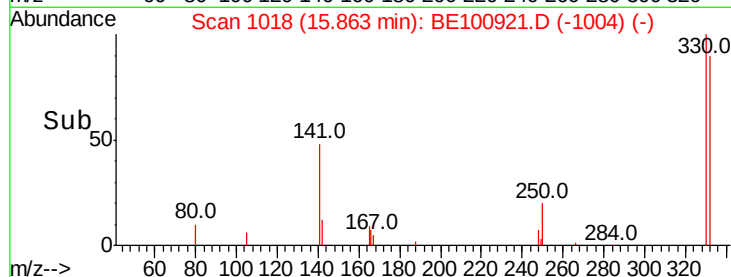
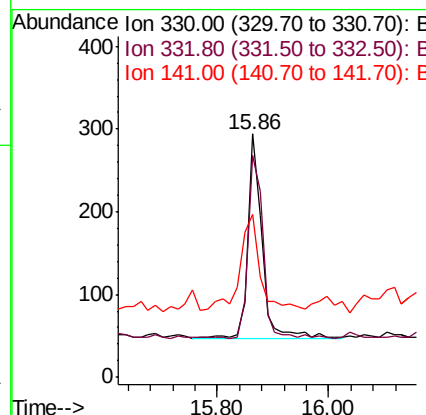
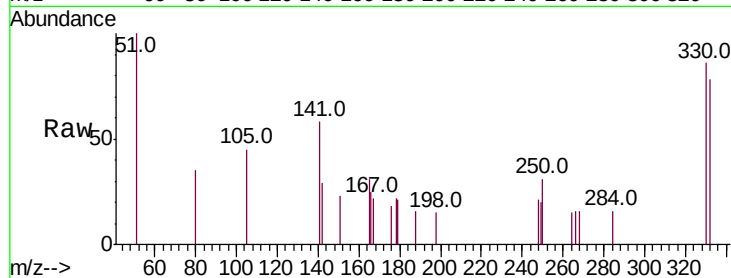




#14
 2,4,6-Tribromophenol
 Concen: 0.303 ng
 RT: 15.86 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE100921.D
 Acq: 16 Dec 2019 15:45

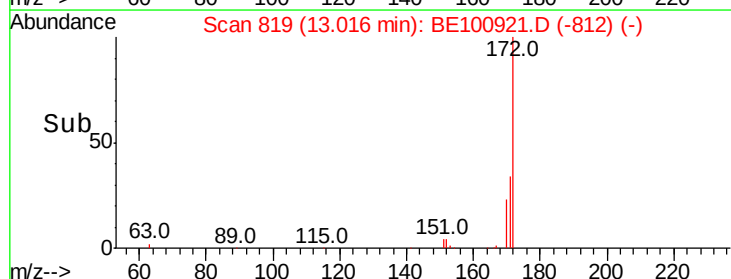
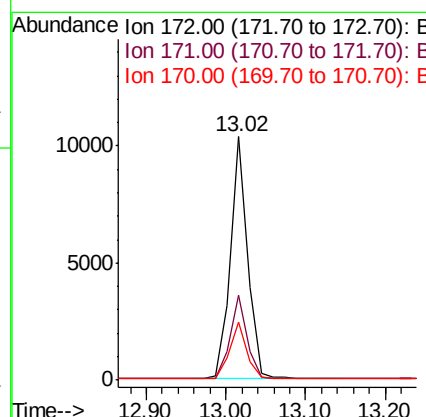
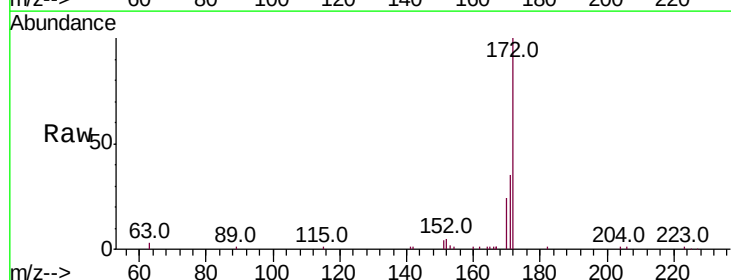
Instrument :
 BNA_E
 ClientSampleId :

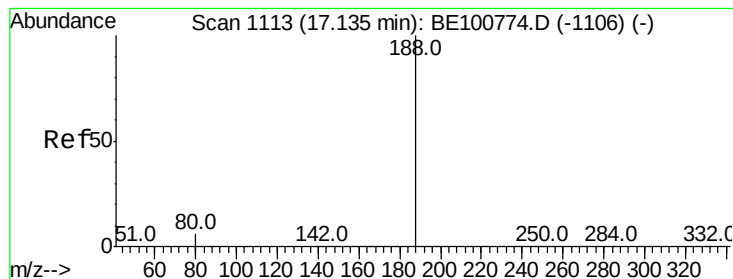
Tot Ion:330 Resp: 427
 Ion Ratio Lower Upper
 330 100
 332 93.0 74.1 111.1
 141 63.0 46.7 70.1



#15
 2-Fluorobiphenyl
 Concen: 0.309 ng
 RT: 13.02 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BE100921.D
 Acq: 16 Dec 2019 15:45

Tgt Ion:172 Resp: 15561
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.4
 170 23.7 19.4 29.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

Instrument :

BNA_E

ClientSampleId :

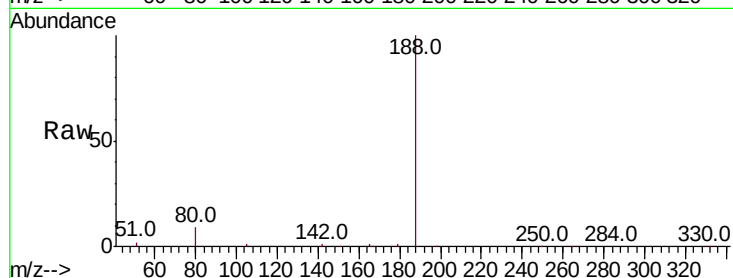
Tot Ion:188 Resp: 33905

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

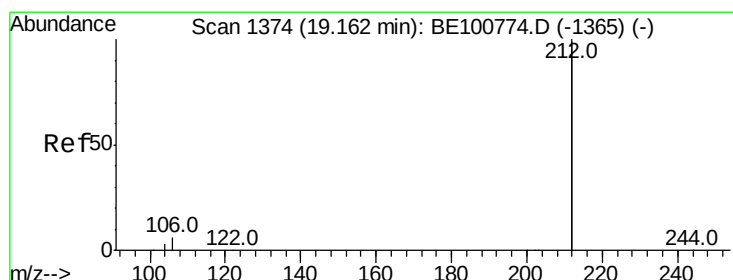
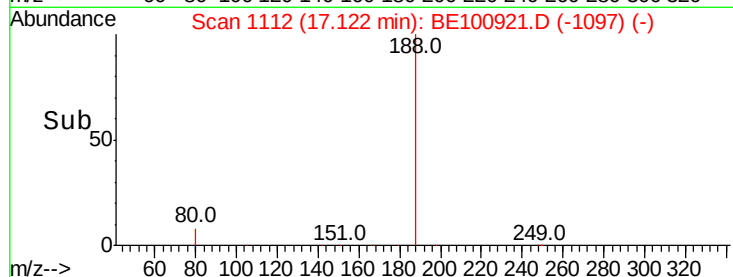
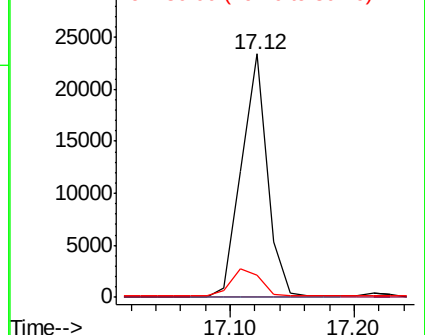
80 8.9 7.9 11.9



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



#25

Fluoranthene-d10

Concen: 0.379 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

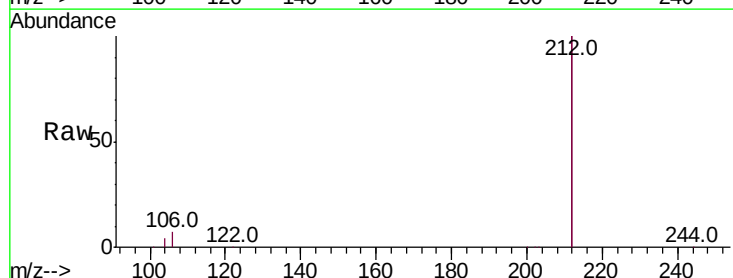
Tgt Ion:212 Resp: 151992

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

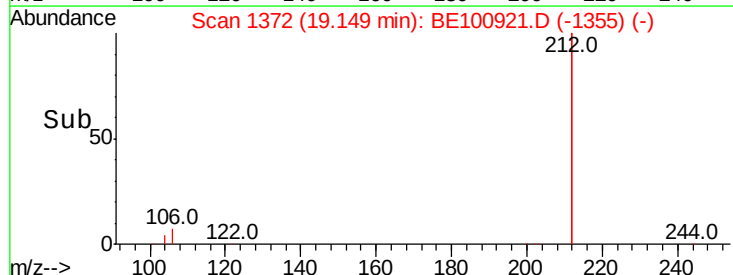
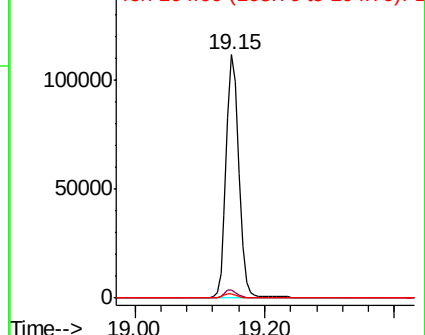
104 1.9 1.4 2.2

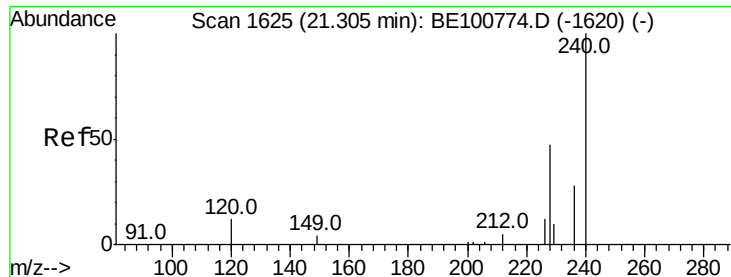


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

Instrument :

BNA_E

ClientSampleId :

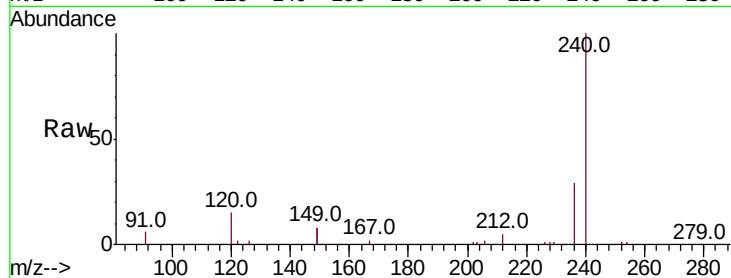
Tot Ion:240 Resp: 32470

Ion Ratio Lower Upper

240 100

120 15.4 4.0 6.0#

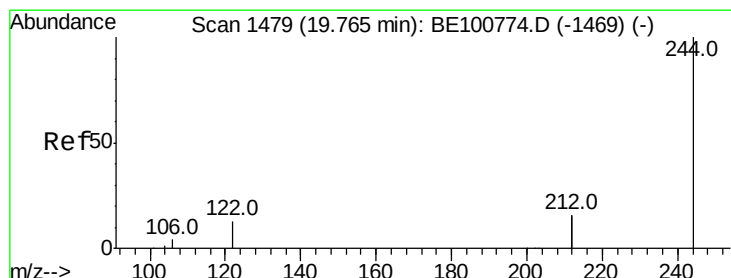
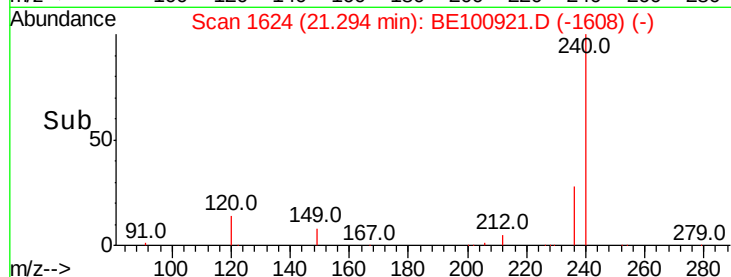
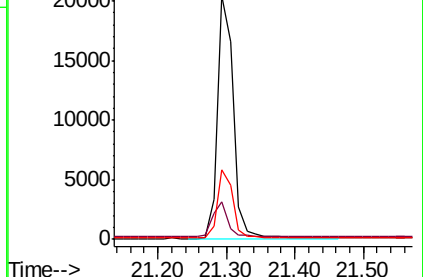
236 28.6 21.6 32.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#29

Terphenyl-d14

Concen: 0.370 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

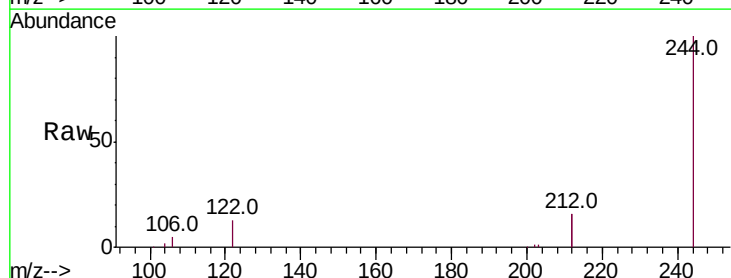
Tgt Ion:244 Resp: 28816

Ion Ratio Lower Upper

244 100

212 32.5 25.2 37.8

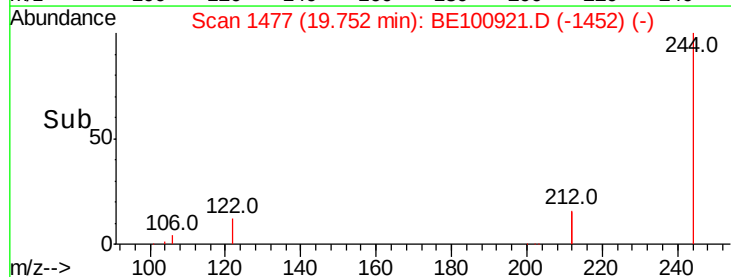
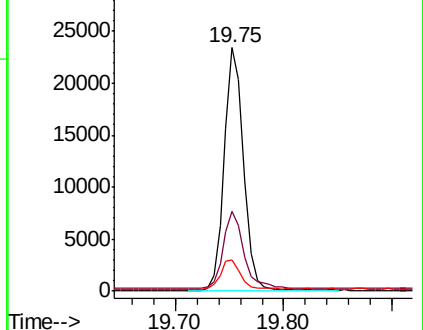
122 13.0 8.9 13.3

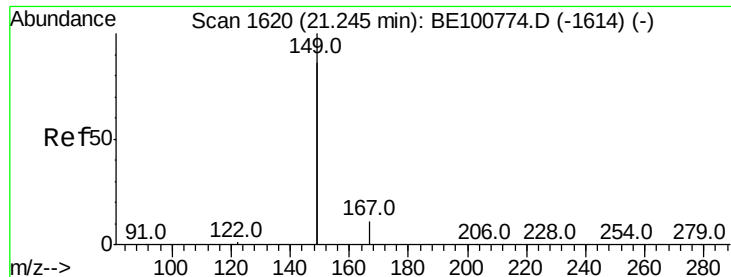


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.335 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

Instrument :

BNA_E

ClientSampleId :

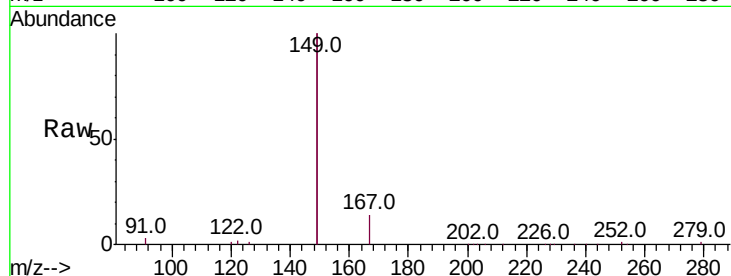
Tot Ion:149 Resp: 106380

Ion Ratio Lower Upper

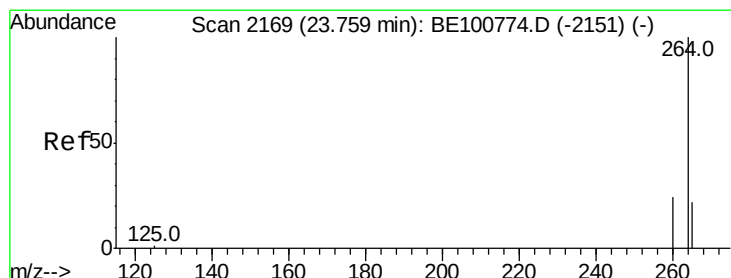
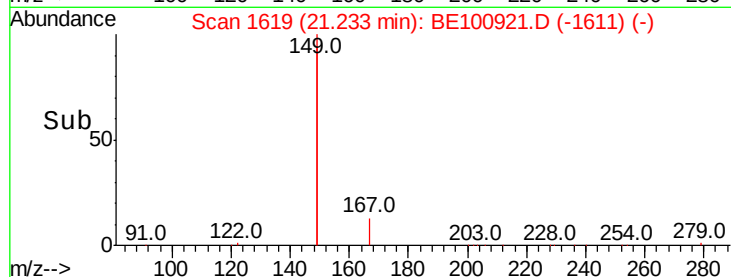
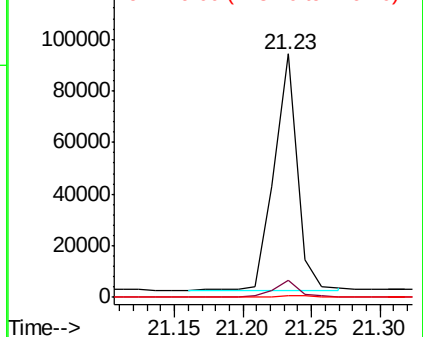
149 100

167 6.6 5.0 7.4

279 0.8 0.6 1.0



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2163

Delta R.T. -0.00 min

Lab File: BE100921.D

Acq: 16 Dec 2019 15:45

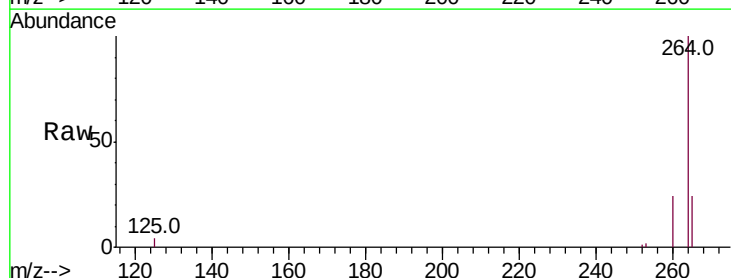
Tgt Ion:264 Resp: 36095

Ion Ratio Lower Upper

264 100

260 23.7 19.4 29.0

265 24.2 20.1 30.1



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

