

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100907.D
 Acq On : 14 Dec 2019 4:26
 Operator : JU
 Sample : K6251-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 14 05:44:22 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

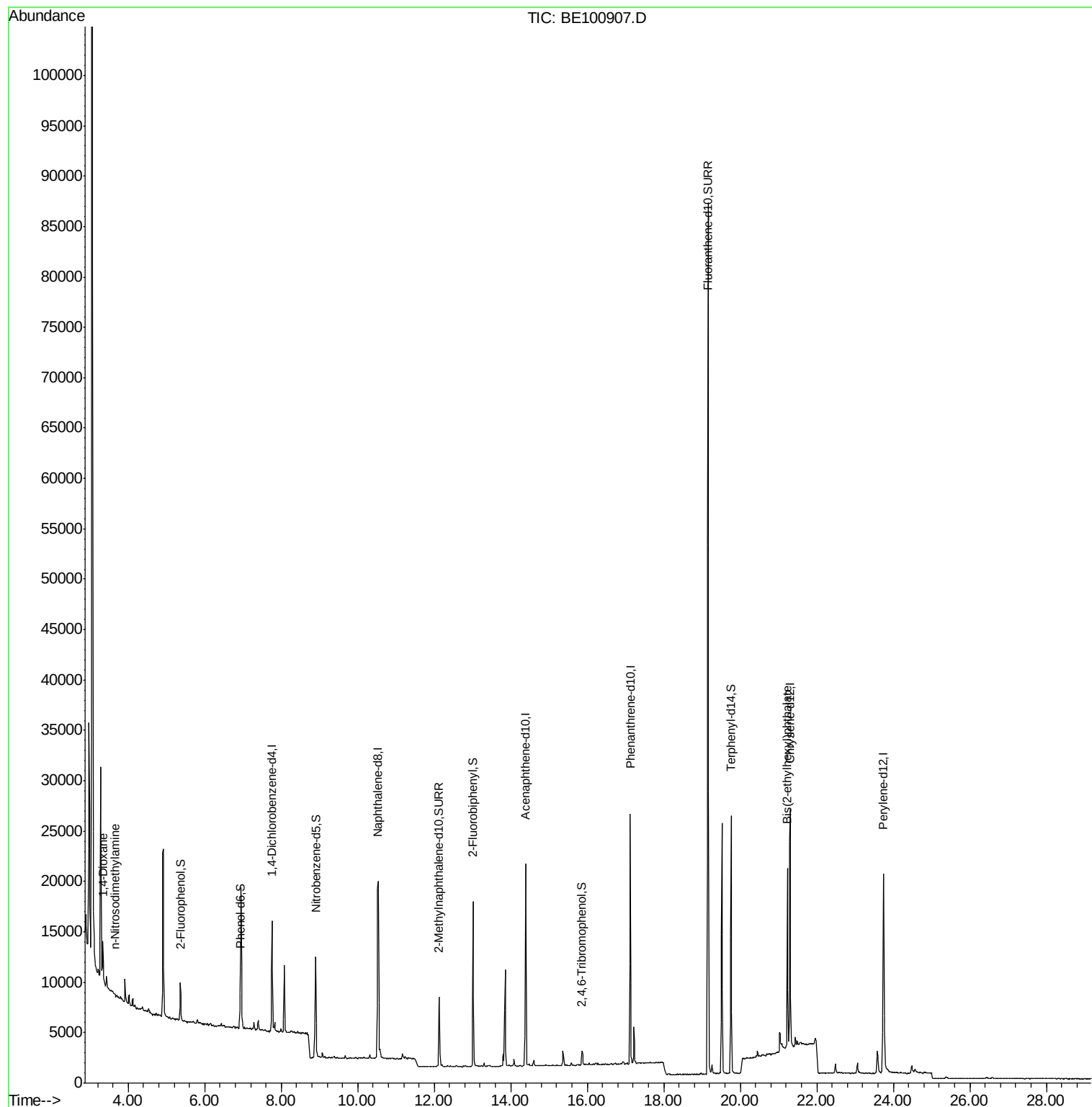
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4856	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	22248	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	12927	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	31356	0.40	ng	0.00
27) Chrysene-d12	21.31	240	26550	0.40	ng	0.00
34) Perylene-d12	23.74	264	30420	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1793	0.16	ng	0.00
5) Phenol-d6	6.93	99	1820	0.10	ng	0.00
8) Nitrobenzene-d5	8.90	82	4550	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	10588	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	831	0.58	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	14519	0.28	ng	0.00
25) Fluoranthene-d10	19.16	212	115375	0.31	ng	0.00
29) Terphenyl-d14	19.76	244	21624	0.34	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	2575	0.291	ng	# 39
3) n-Nitrosodimethylamine	3.66	42	221	0.031	ng	# 18
32) Bis(2-ethylhexyl)phthalate	21.23	149	19481	0.350	ng	98

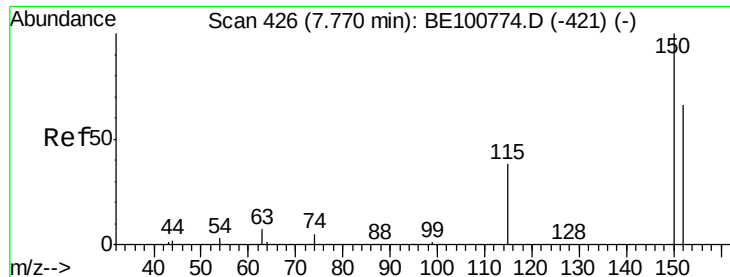
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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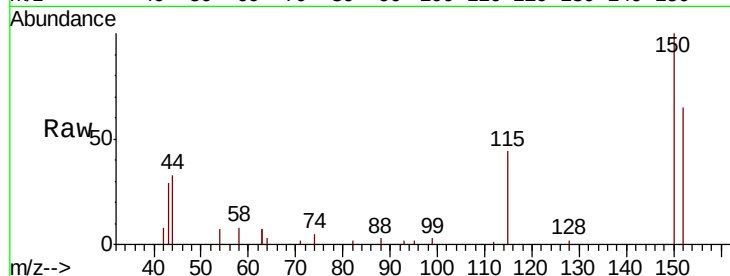


#1

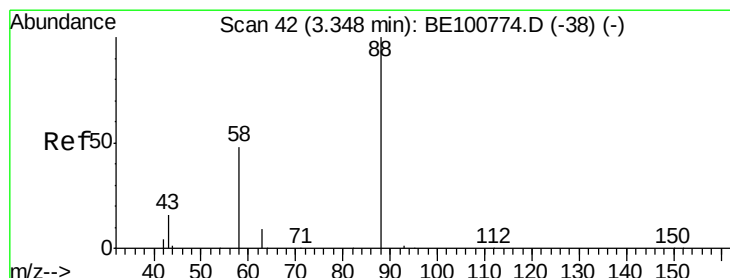
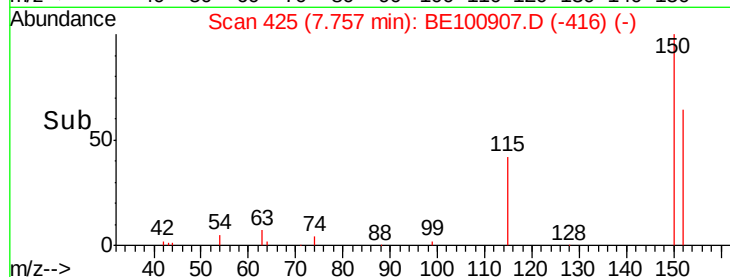
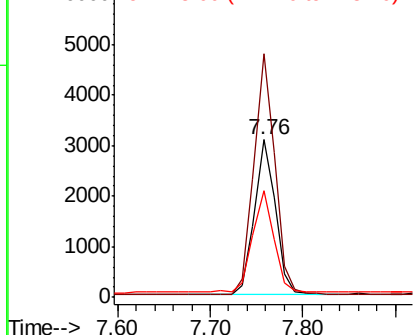
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.00 min
Lab File: BE100907.D
Acq: 14 Dec 2019 4:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4856
Ion Ratio Lower Upper
152 100
150 154.6 125.5 188.3
115 67.9 55.7 83.5



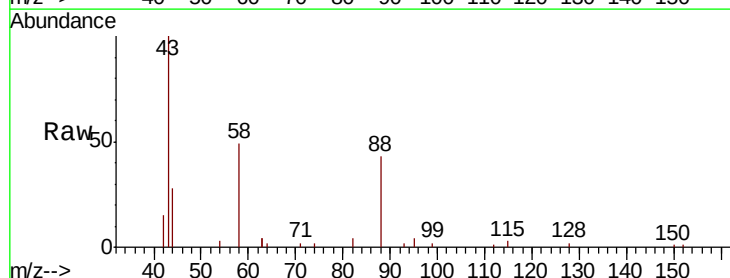
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



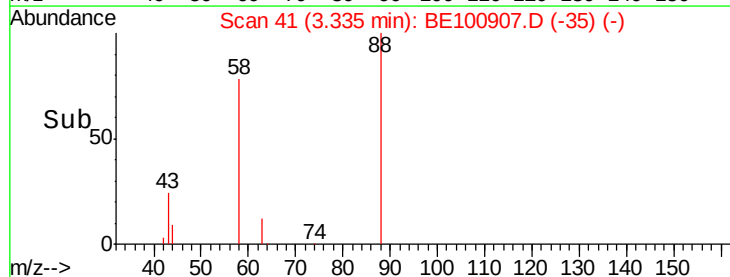
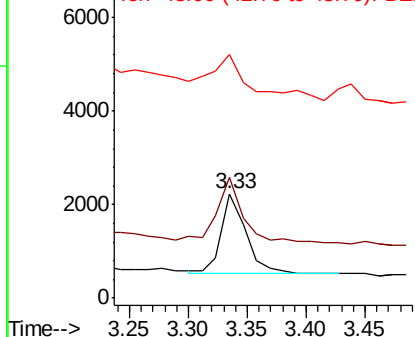
#2

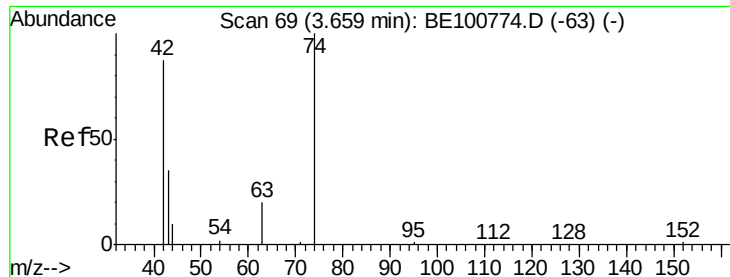
1,4-Dioxane
Concen: 0.291 ng
RT: 3.33 min Scan# 41
Delta R.T. -0.00 min
Lab File: BE100907.D
Acq: 14 Dec 2019 4:26

Tgt Ion: 88 Resp: 2575
Ion Ratio Lower Upper
88 100
58 92.5 52.3 78.5#
43 94.1 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: 3.66 min Scan# 69

Delta R.T. 0.01 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Instrument :

BNA_E

ClientSampleId :

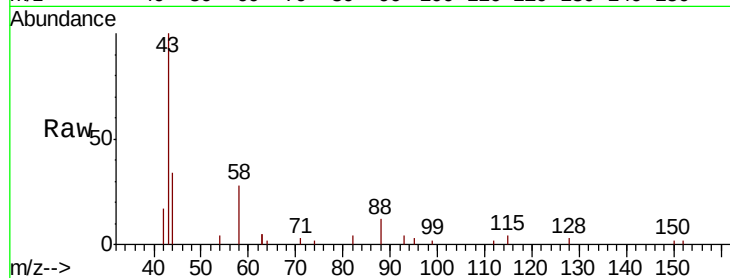
Tot Ion: 42 Resp: 221

Ion Ratio Lower Upper

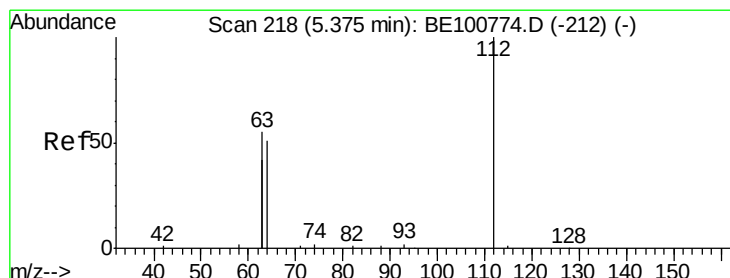
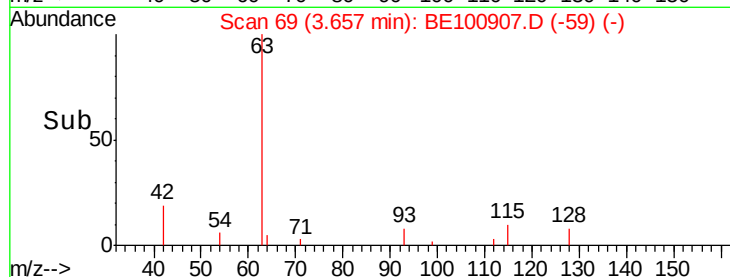
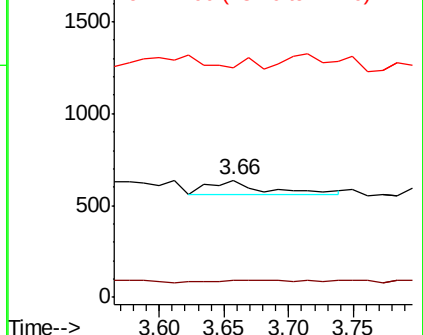
42 100

74 18.6 90.3 135.5#

44 20.8 9.0 13.4#



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: 0.156 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

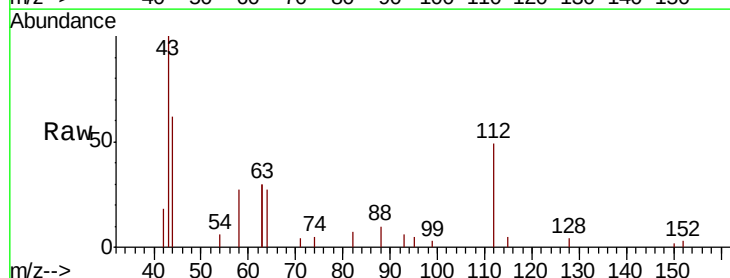
Tgt Ion: 112 Resp: 1793

Ion Ratio Lower Upper

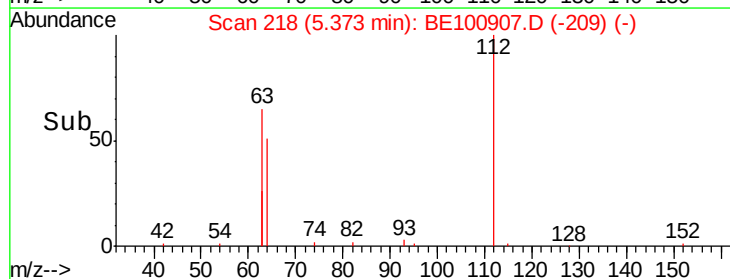
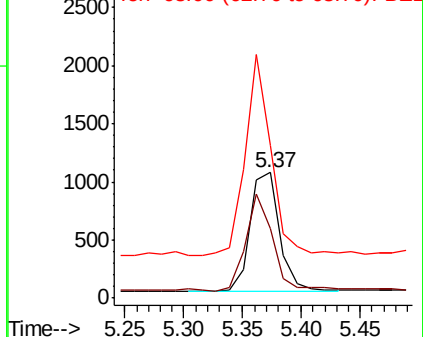
112 100

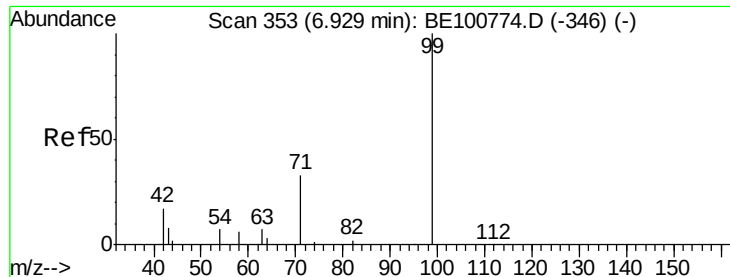
64 74.5 54.5 81.7

63 149.9 116.1 174.1



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: 0.105 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Instrument :

BNA_E

ClientSampled :

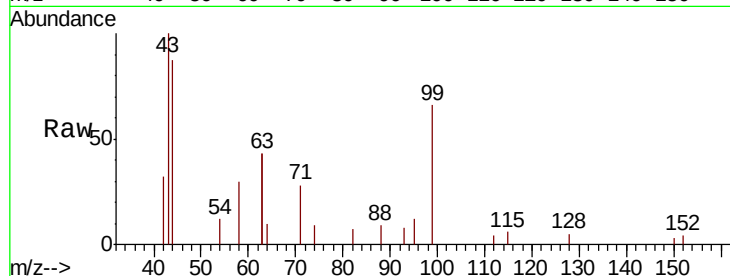
Tot Ion: 99 Resp: 1820

Ion Ratio Lower Upper

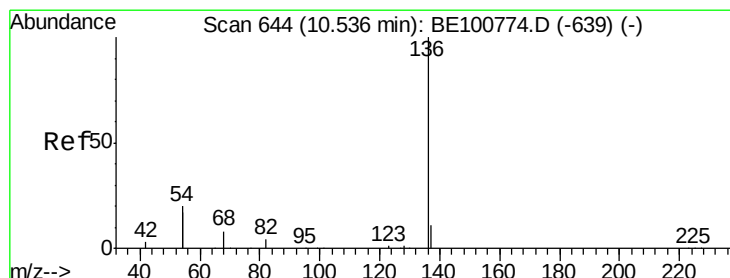
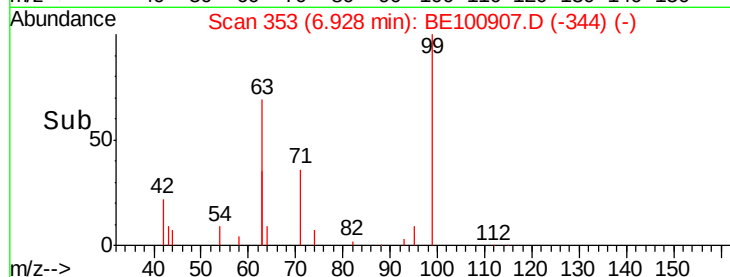
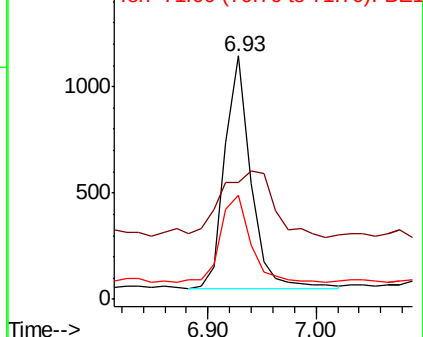
99 100

42 61.3 18.2 27.2#

71 43.6 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 645

Delta R.T. 0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Tgt Ion: 136 Resp: 22248

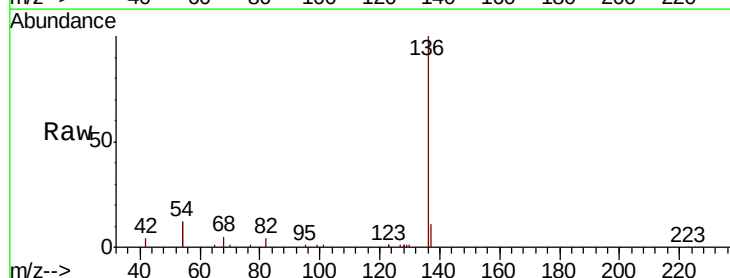
Ion Ratio Lower Upper

136 100

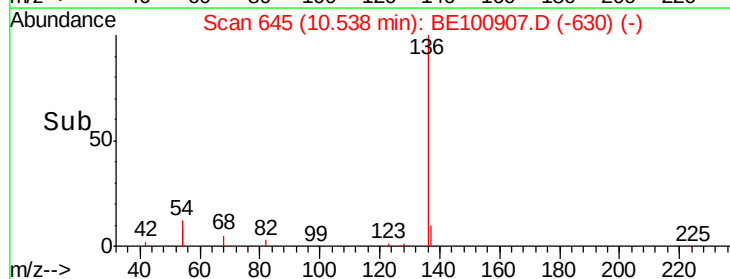
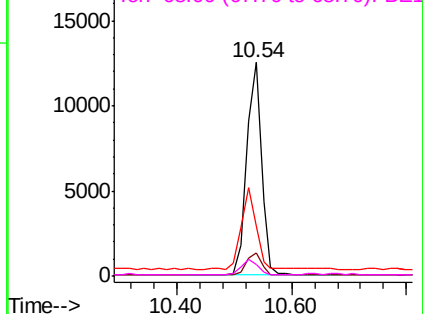
137 10.8 9.1 13.7

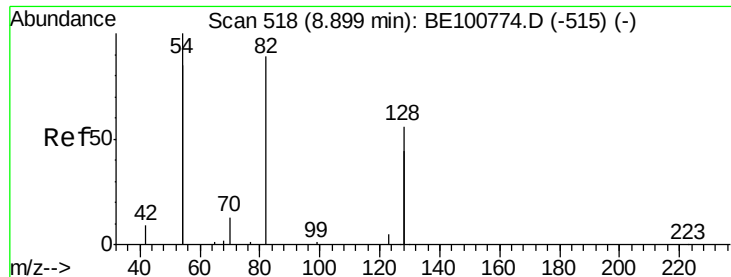
54 23.1 18.9 28.3

68 5.4 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: 0.429 ng

RT: 8.90 min Scan# 519

Delta R.T. 0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Instrument :

BNA_E

ClientSampleId :

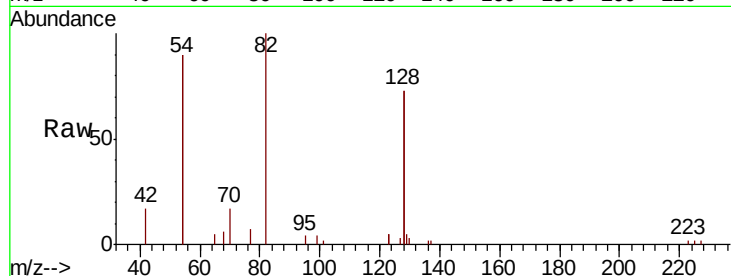
Tot Ion: 82 Resp: 4550

Ion Ratio Lower Upper

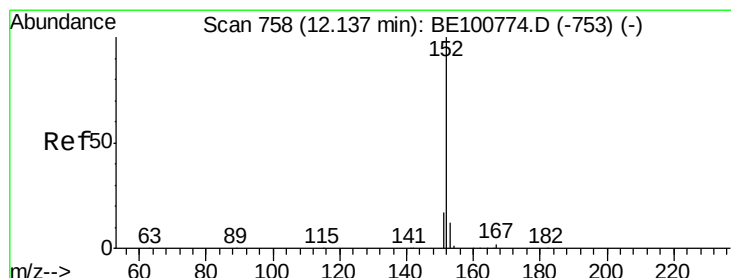
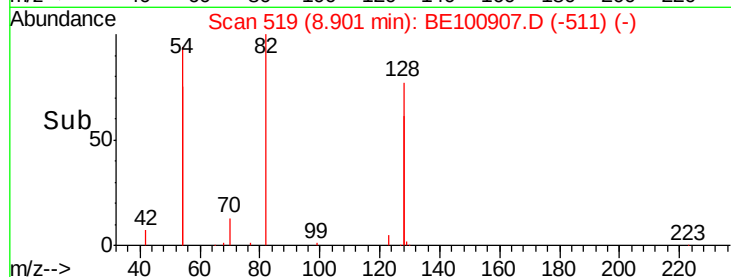
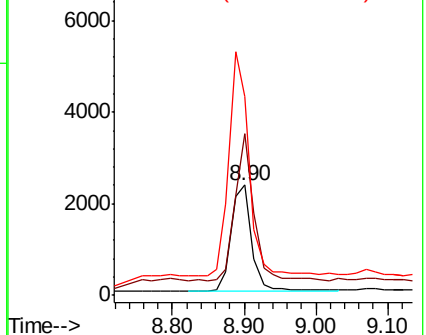
82 100

128 146.4 113.5 170.3

54 180.5 138.9 208.3



Abundance Ion 82.00 (81.70 to 82.70): BE1
Ion 128.00 (127.70 to 128.70): BE1
Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.328 ng

RT: 12.12 min Scan# 758

Delta R.T. -0.01 min

Lab File: BE100907.D

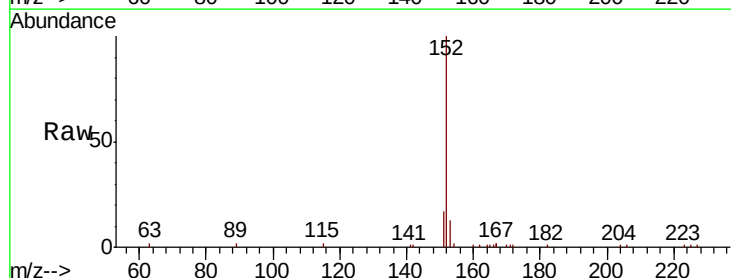
Acq: 14 Dec 2019 4:26

Tgt Ion: 152 Resp: 10588

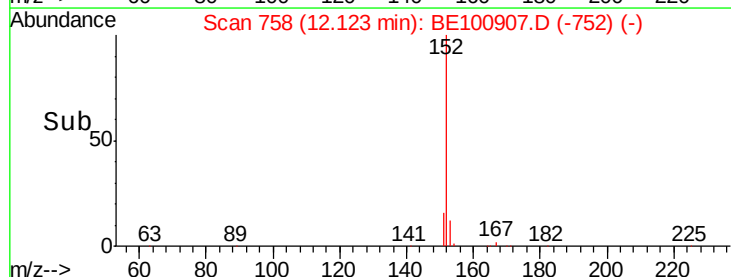
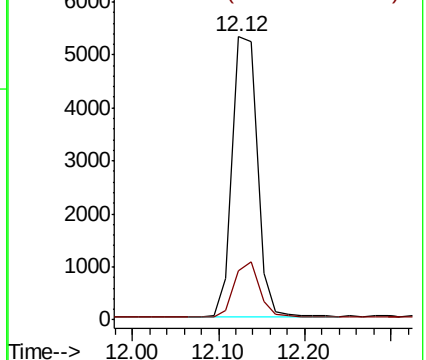
Ion Ratio Lower Upper

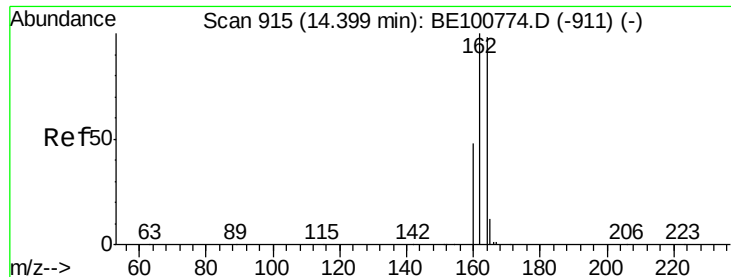
152 100

151 20.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): BE1
Ion 151.00 (150.70 to 151.70): BE1

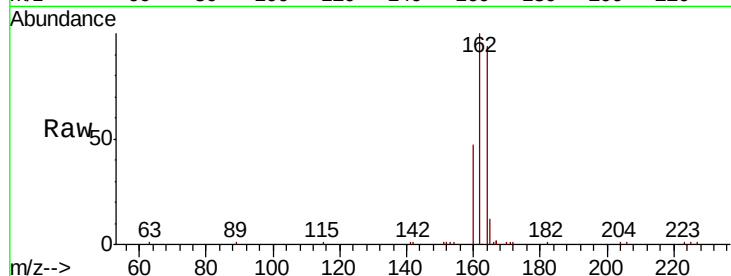




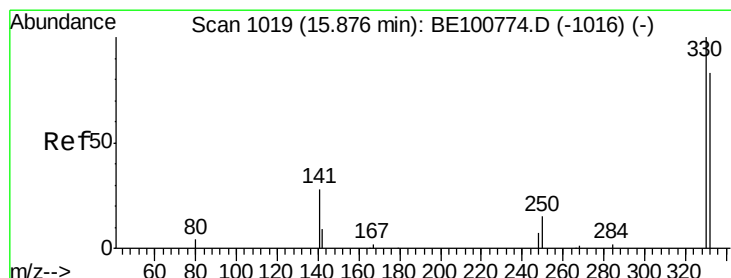
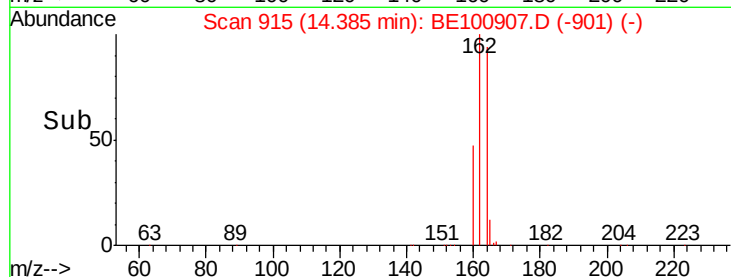
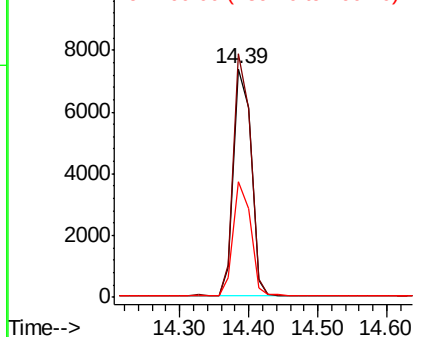
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100907.D
Acq: 14 Dec 2019 4:26

Instrument :
BNA_E
ClientSampled :

Tot Ion:164 Resp: 12927
Ion Ratio Lower Upper
164 100
162 106.5 86.0 129.0
160 50.6 42.3 63.5

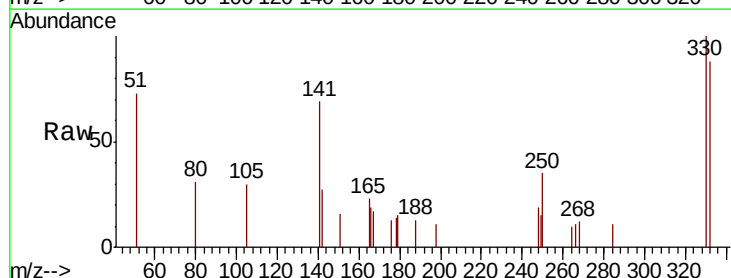


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

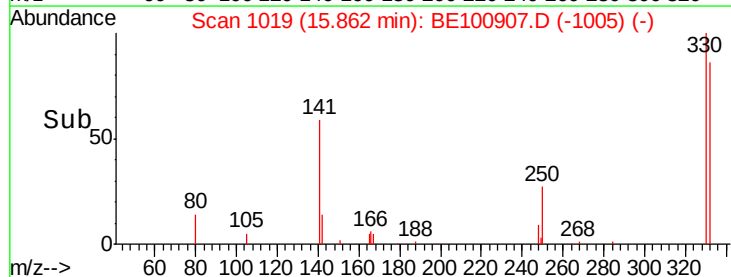
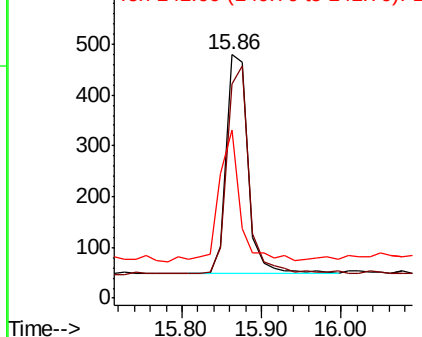


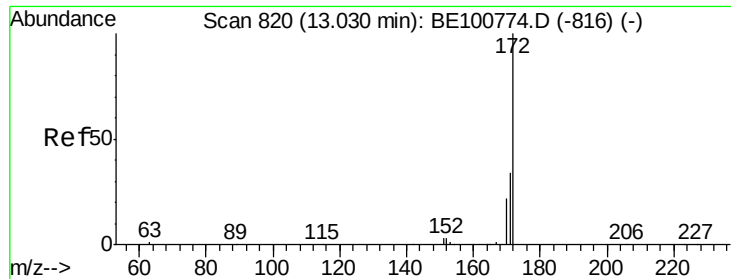
#14
2,4,6-Tribromophenol
Concen: 0.578 ng
RT: 15.86 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BE100907.D
Acq: 14 Dec 2019 4:26

Tgt Ion:330 Resp: 831
Ion Ratio Lower Upper
330 100
332 95.9 74.1 111.1
141 58.6 46.7 70.1



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

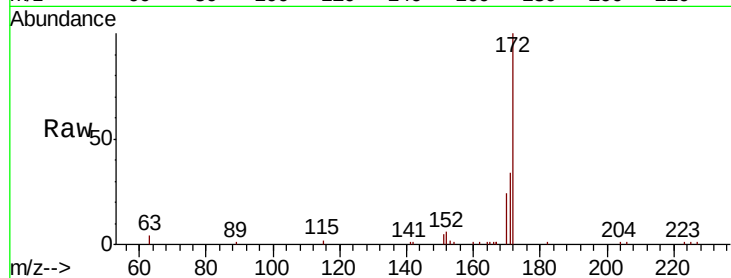




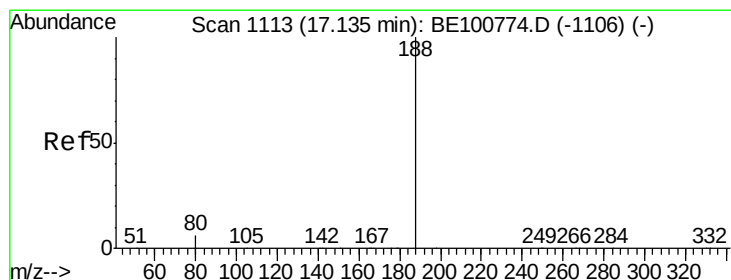
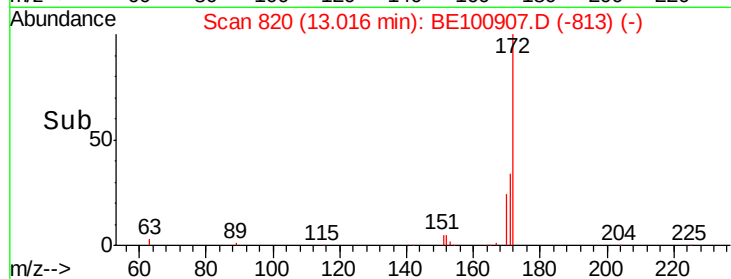
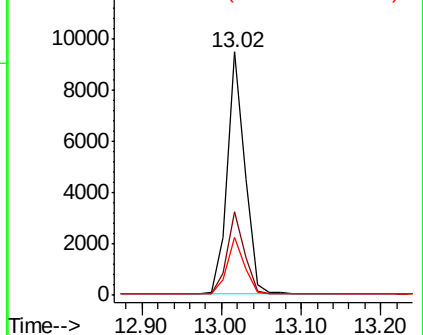
#15
2-Fluorobiphenyl
Concen: 0.283 ng
RT: 13.02 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100907.D
Acq: 14 Dec 2019 4:26

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 14519
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.4
170 24.0 19.4 29.0

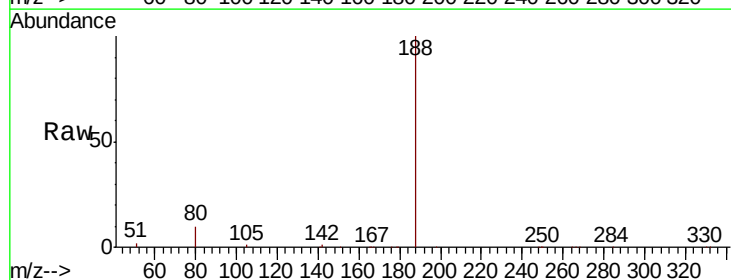


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

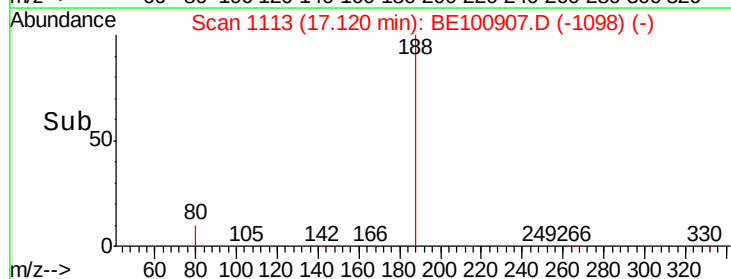
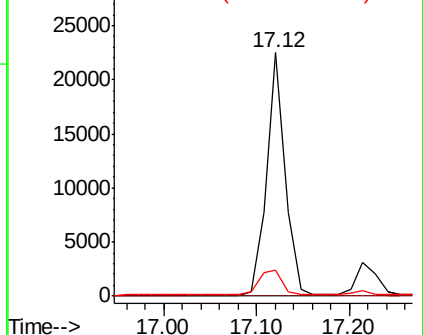


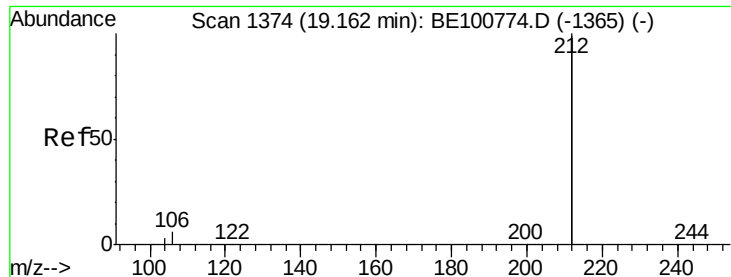
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE100907.D
Acq: 14 Dec 2019 4:26

Tgt Ion:188 Resp: 31356
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 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: 0.311 ng

RT: 19.16 min Scan# 1374

Delta R.T. 0.01 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Instrument :

BNA_E

ClientSampleId :

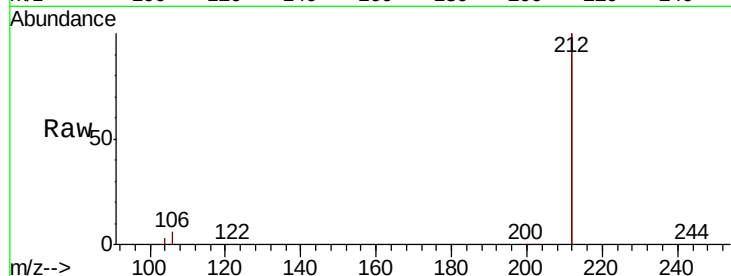
Tot Ion:212 Resp: 115375

Ion Ratio Lower Upper

212 100

106 3.5 2.6 4.0

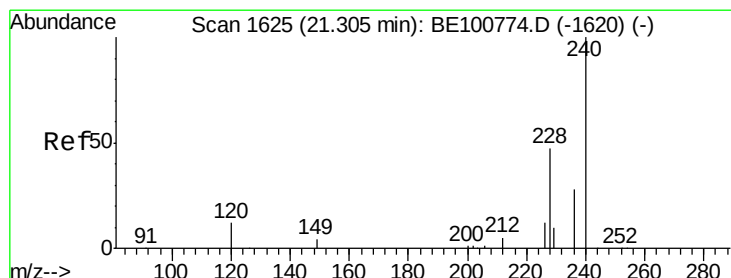
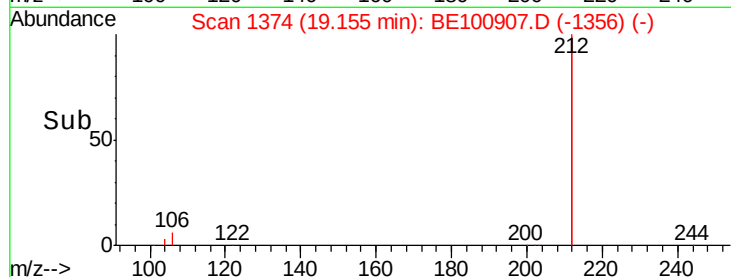
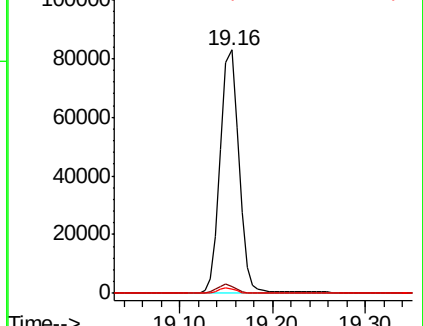
104 1.9 1.4 2.2



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: 21.31 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

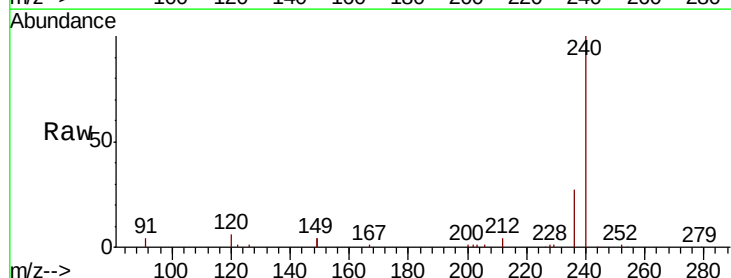
Tgt Ion:240 Resp: 26550

Ion Ratio Lower Upper

240 100

120 6.0 4.0 6.0#

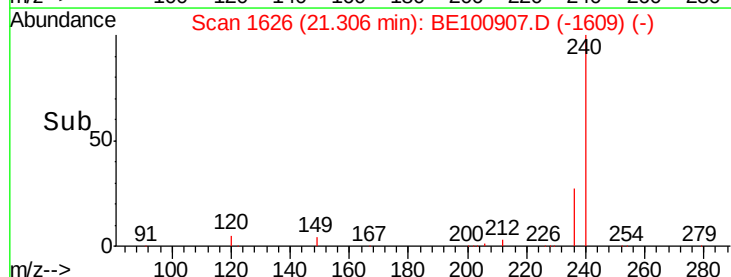
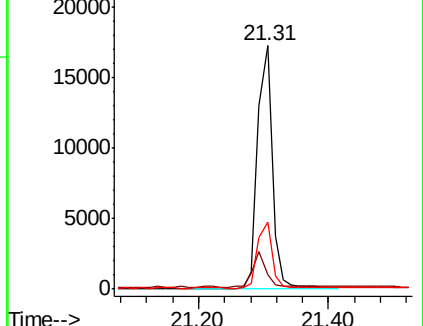
236 27.3 21.6 32.4

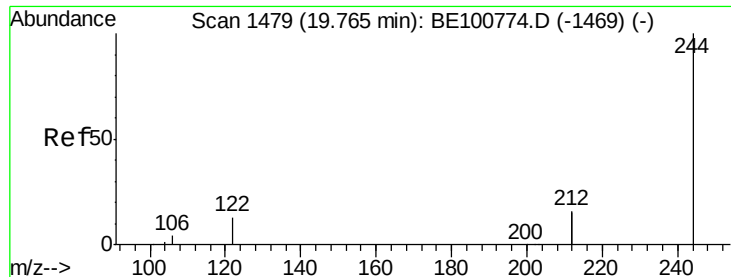


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.340 ng

RT: 19.76 min Scan# 1479

Delta R.T. 0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Instrument :

BNA_E

ClientSampled :

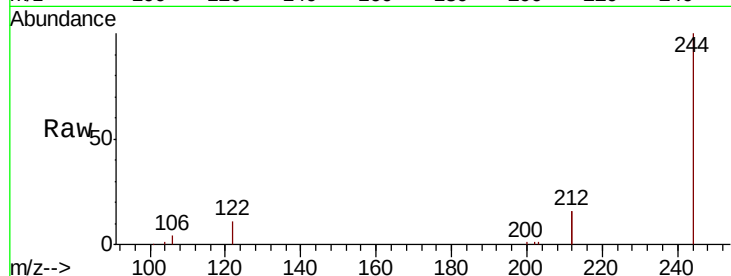
Tot Ion:244 Resp: 21624

Ion Ratio Lower Upper

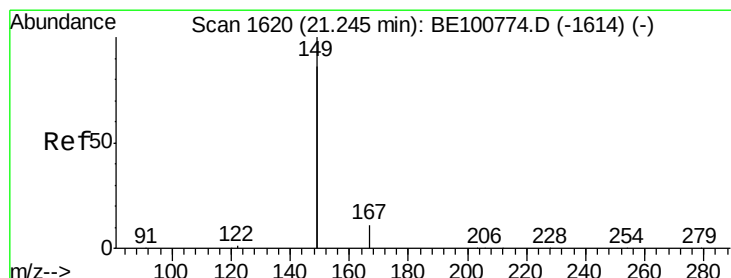
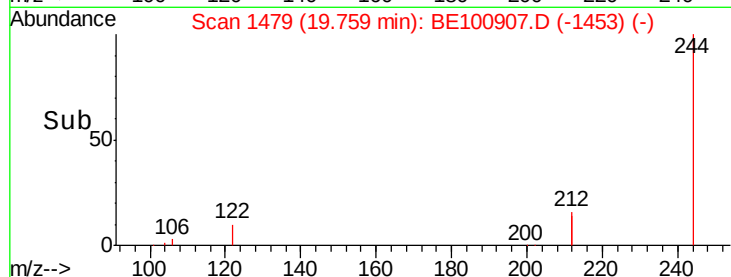
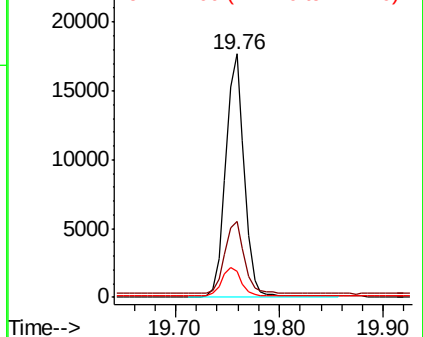
244 100

212 31.4 25.2 37.8

122 10.7 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: 0.350 ng

RT: 21.23 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

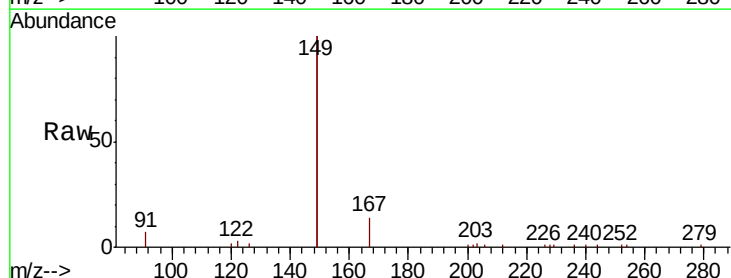
Tgt Ion:149 Resp: 19481

Ion Ratio Lower Upper

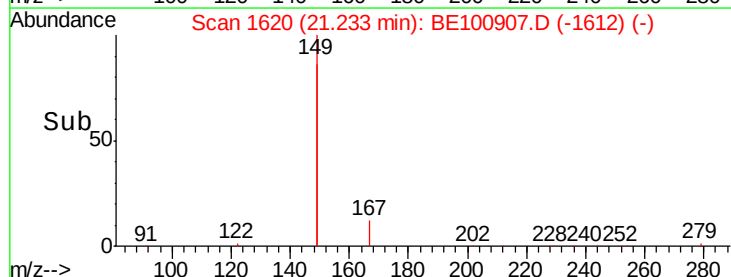
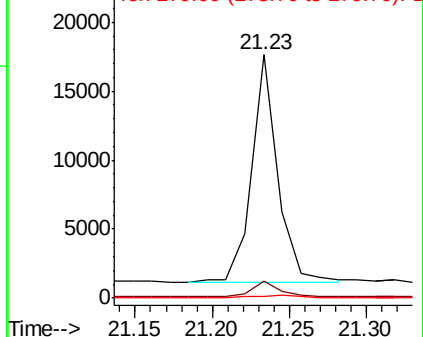
149 100

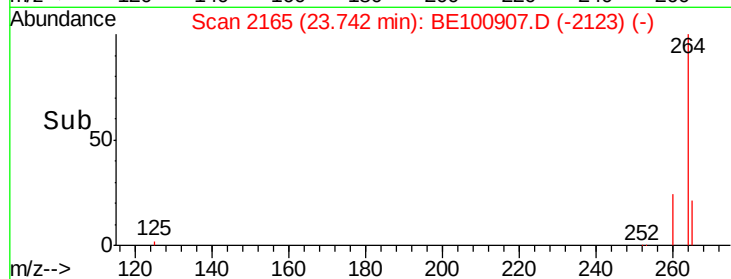
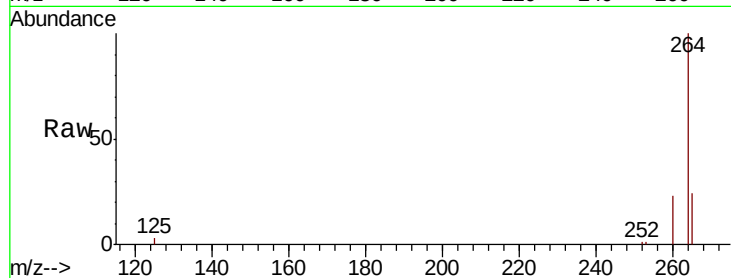
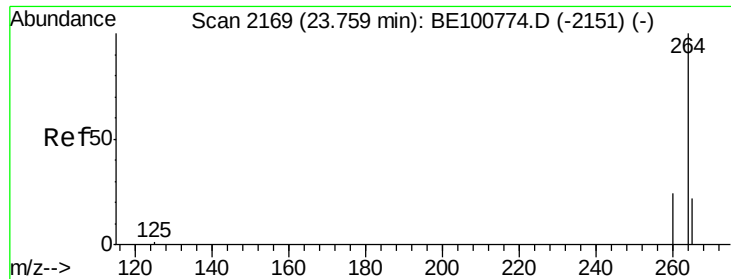
167 6.9 5.0 7.4

279 0.9 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

Pervlene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100907.D

Acq: 14 Dec 2019 4:26

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 30420

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

265 24.0 20.1 30.1

