

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
 Data File : BN007554.D
 Acq On : 06 Sep 2019 22:36
 Operator : HP/JU
 Sample : K4722-15
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 07 00:04:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 12:18:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	5955	0.40	ng	-0.02
7) Naphthalene-d8	10.15	136	23185	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	13302	0.40	ng	-0.02
19) Phenanthrene-d10	16.78	188	29860	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	30095	0.40	ng	-0.01
34) Perylene-d12	23.11	264	32628	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.02	112	3326	0.14	ng	-0.02
5) Phenol-d6	6.58	99	2634	0.08	ng	0.00
8) Nitrobenzene-d5	8.53	82	6401	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	14168	0.37	ng	-0.01
14) 2,4,6-Tribromophenol	15.54	330	2072	0.30	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	23132	0.43	ng	0.00
25) Fluoranthene-d10	18.84	212	36749	0.38	ng	-0.01
29) Terphenyl-d14	19.45	244	30096	0.38	ng	-0.02

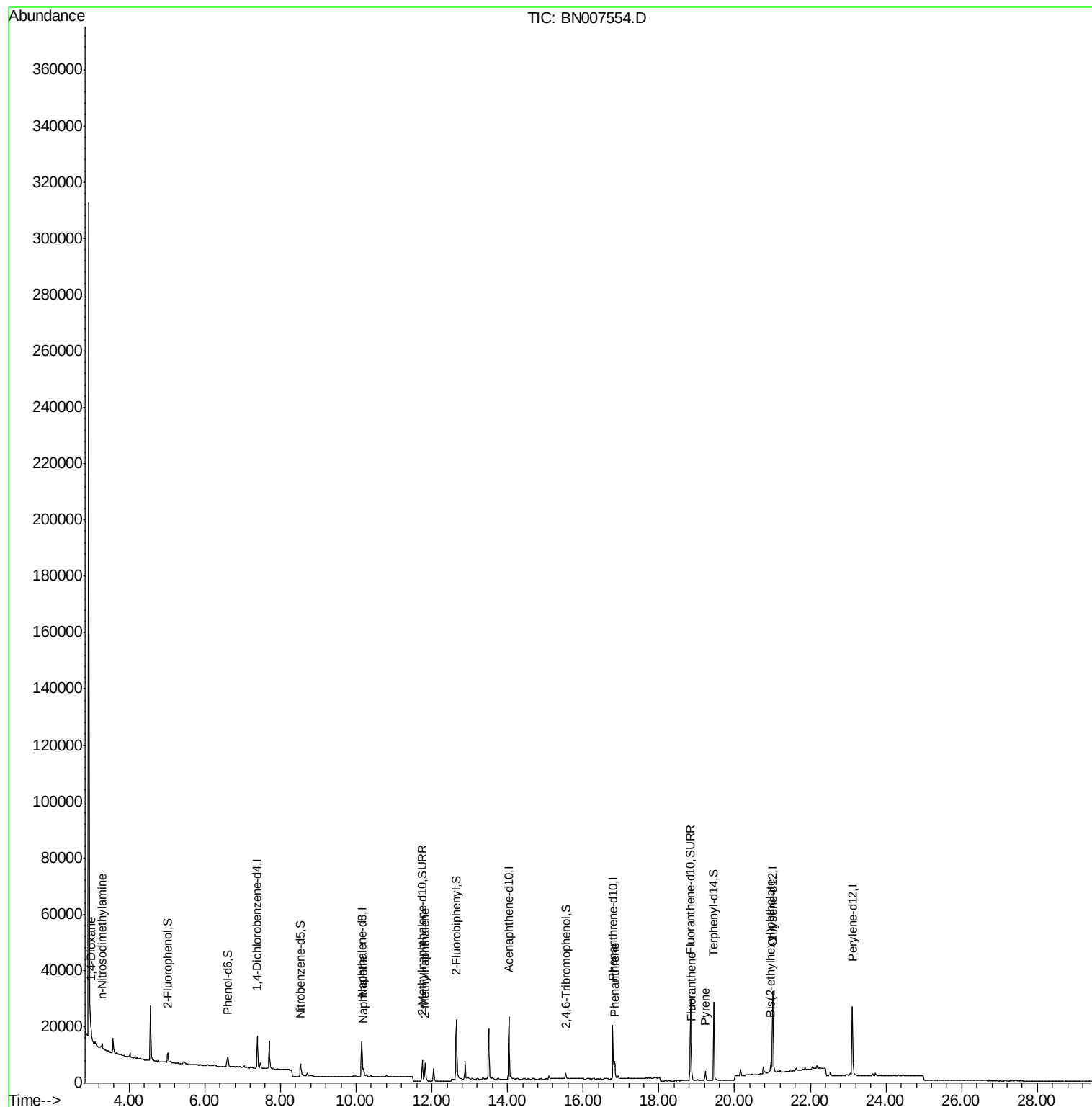
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.00	88	1266	0.128	ng	# 92
3) n-Nitrosodimethylamine	3.29	42	215	0.047	ng	# 1
9) Naphthalene	10.19	128	3346	0.051	ng	93
12) 2-Methylnaphthalene	11.82	142	5907	0.131	ng	96
23) Phenanthrene	16.83	178	6782	0.076	ng	99
26) Fluoranthene	18.86	202	3212	0.028	ng	# 95
28) Pyrene	19.23	202	3504	0.029	ng	97
32) Bis(2-ethylhexyl)phthalate	20.95	149	3715	0.030	ng	98

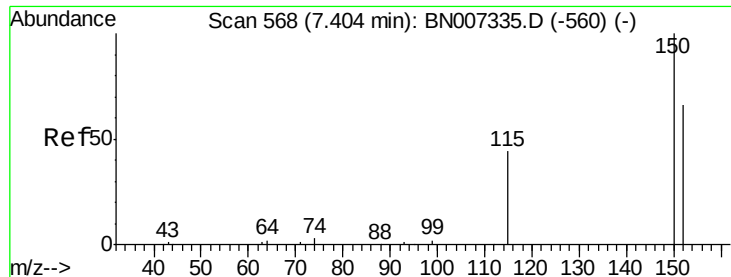
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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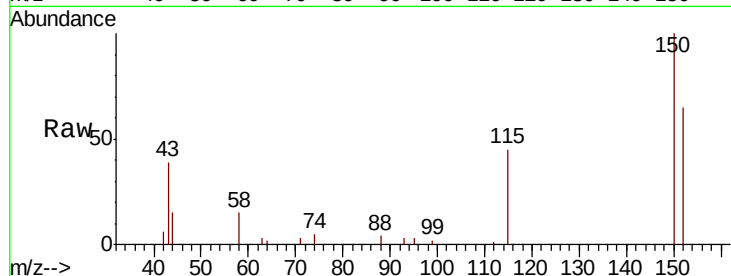


#1

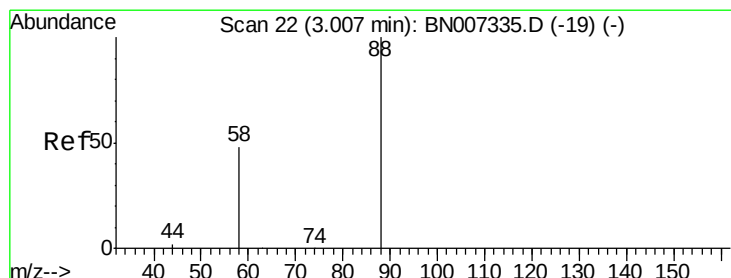
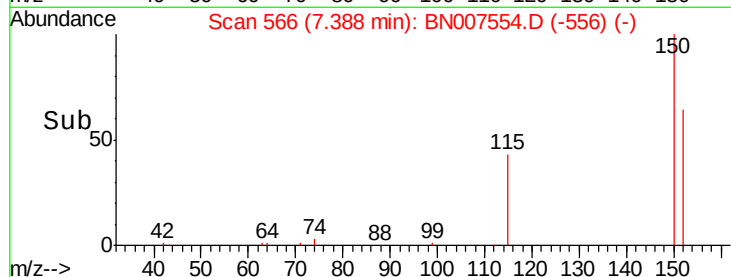
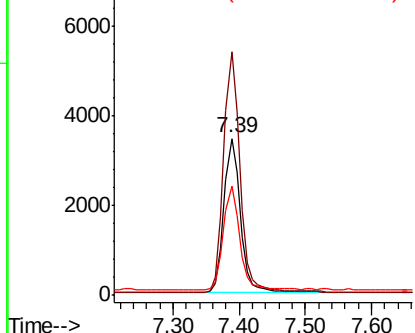
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 5955
Ion Ratio Lower Upper
152 100
150 155.0 109.1 163.7
115 69.7 59.6 89.4



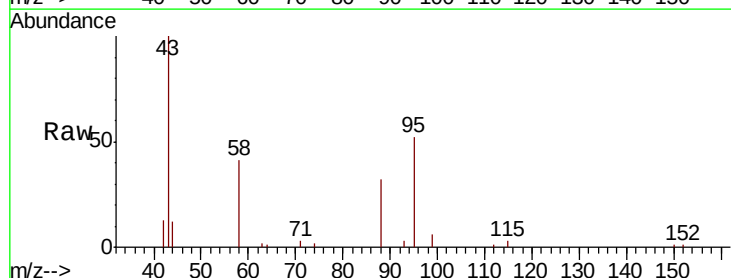
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



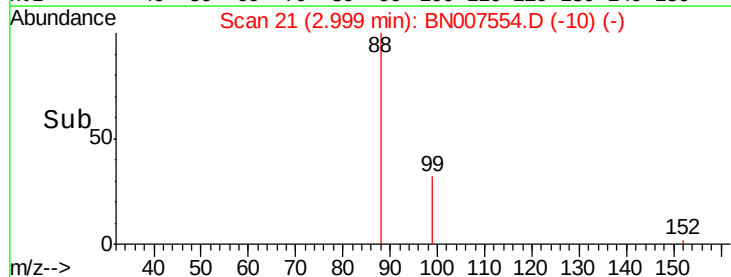
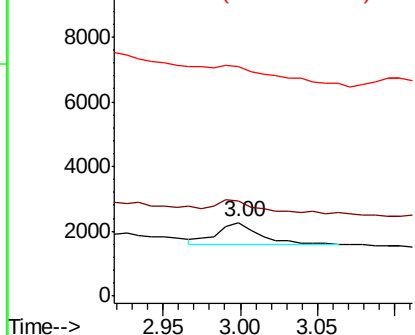
#2

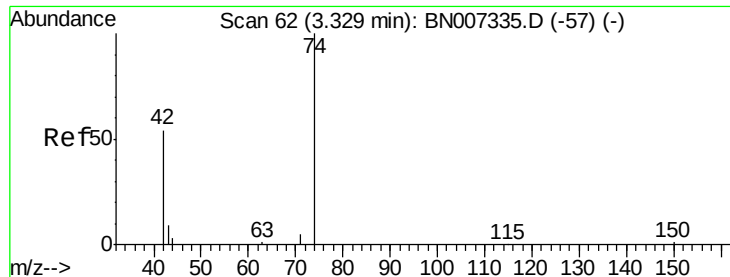
1,4-Dioxane
Concen: 0.128 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

Tgt Ion: 88 Resp: 1266
Ion Ratio Lower Upper
88 100
58 57.3 50.5 75.7
43 0.0 0.0 0.0



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

n-Nitrosodimethylamine

Concen: 0.047 ng

RT: 3.29 min Scan# 57

Delta R.T. -0.04 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

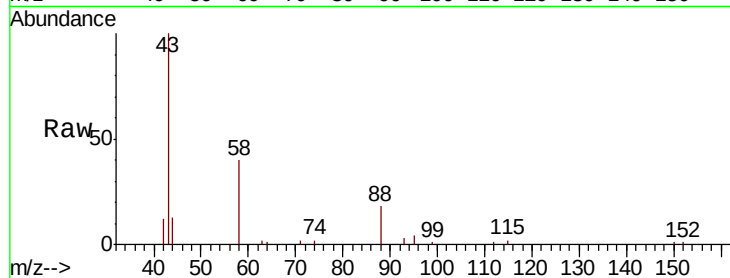
Tot Ion: 42 Resp: 215

Ion Ratio Lower Upper

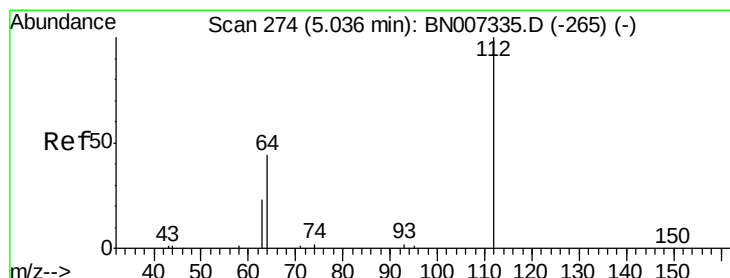
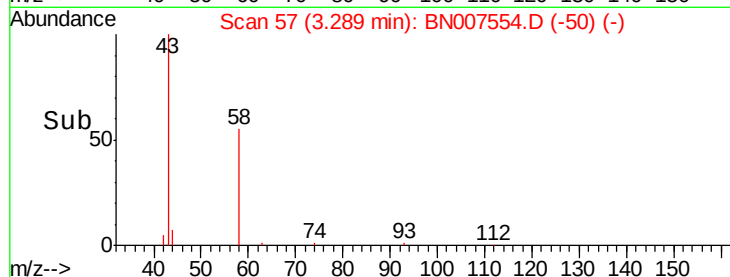
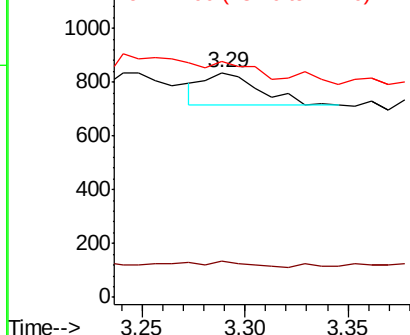
42 100

74 23.7 144.7 217.1#

44 0.0 3.2 4.8#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.143 ng

RT: 5.02 min Scan# 272

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

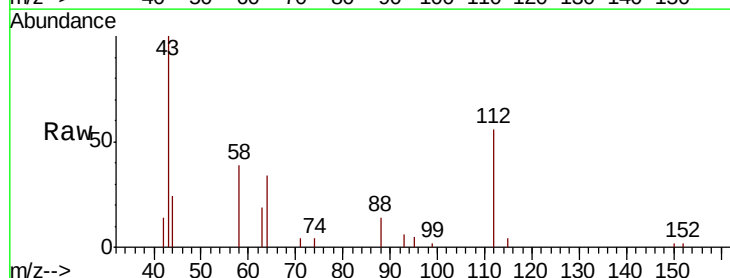
Tgt Ion: 112 Resp: 3326

Ion Ratio Lower Upper

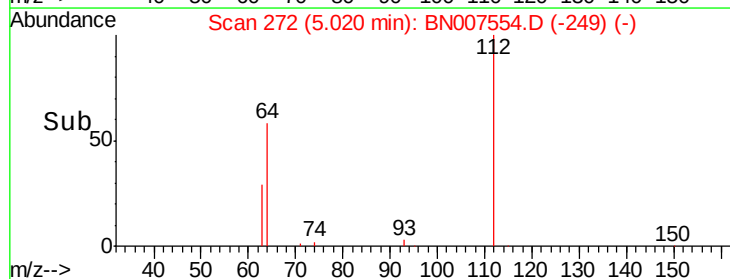
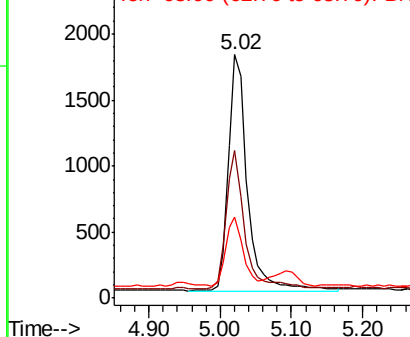
112 100

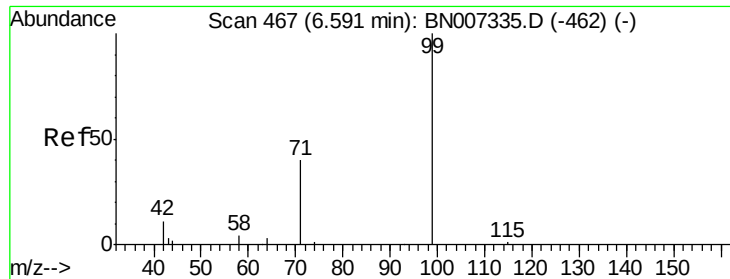
64 56.0 42.3 63.5

63 25.8 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BN0
Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.076 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

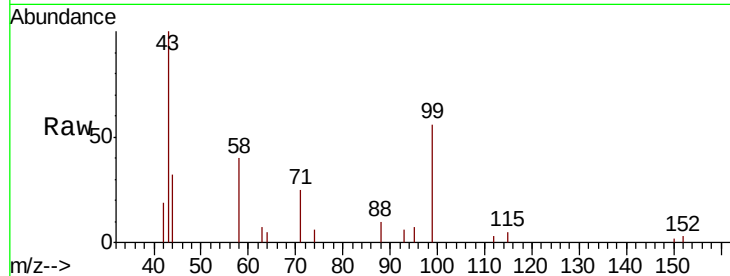
Tot Ion: 99 Resp: 2634

Ion Ratio Lower Upper

99 100

42 18.1 11.2 16.8#

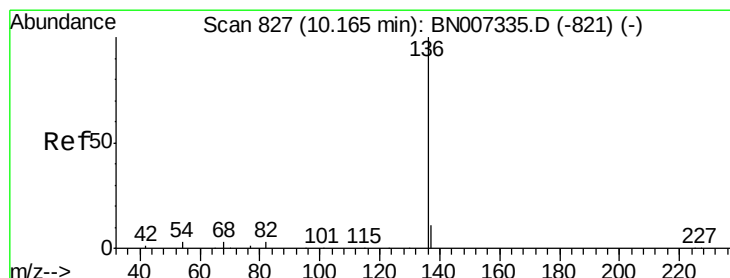
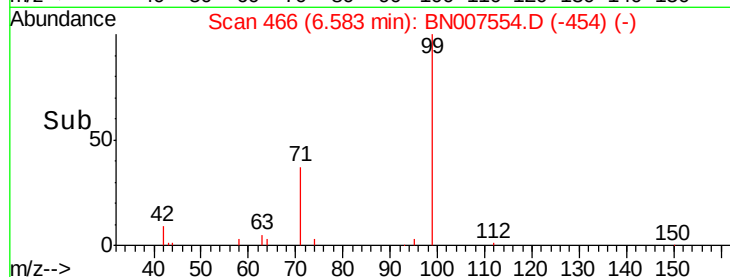
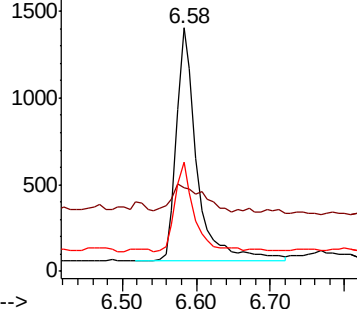
71 35.2 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Tgt Ion: 136 Resp: 23185

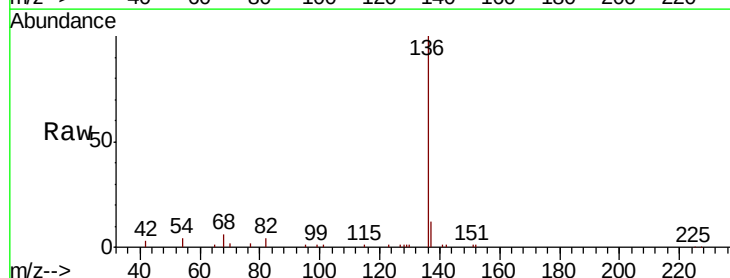
Ion Ratio Lower Upper

136 100

137 11.6 12.9 19.3#

54 4.3 8.6 12.8#

68 5.7 17.0 25.4#

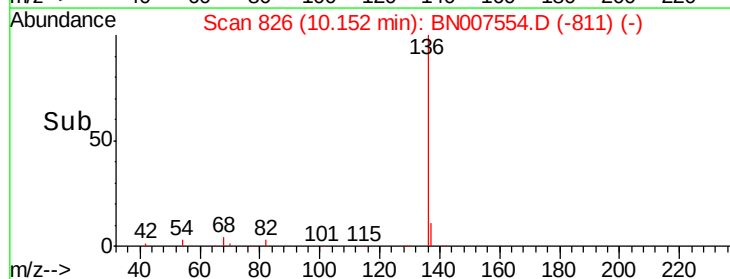
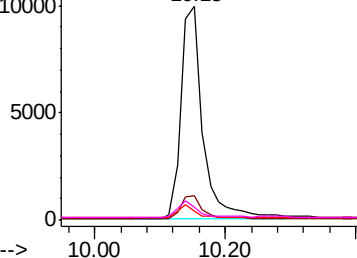


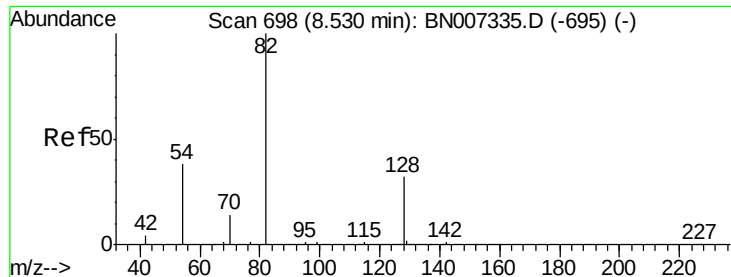
Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007335.D (-821) (-)





#8

Nitrobenzene-d5

Concen: 0.317 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

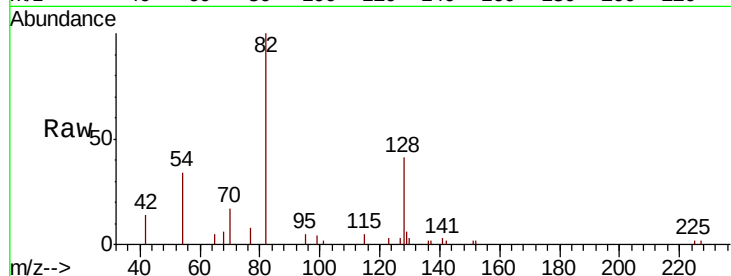
Tot Ion: 82 Resp: 6401

Ion Ratio Lower Upper

82 100

128 40.7 19.7 29.5#

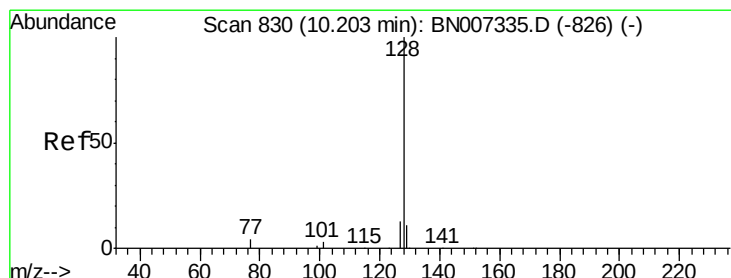
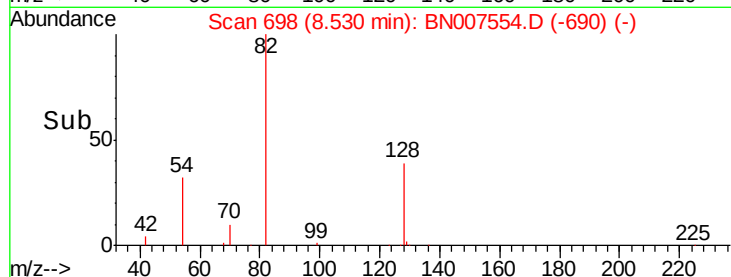
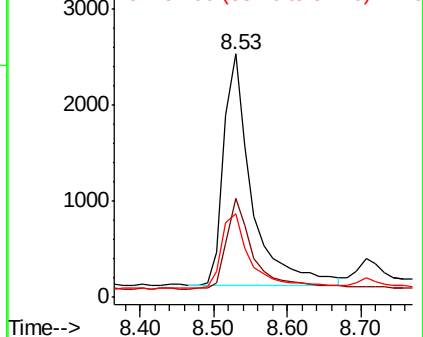
54 34.3 25.8 38.6



Abundance Ion 82.00 (81.70 to 82.70): BN007554.D (-690) (-)

Ion 128.00 (127.70 to 128.70): BN007554.D (-690) (-)

Ion 54.00 (53.70 to 54.70): BN007554.D (-690) (-)



#9

Naphthalene

Concen: 0.051 ng

RT: 10.19 min Scan# 829

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

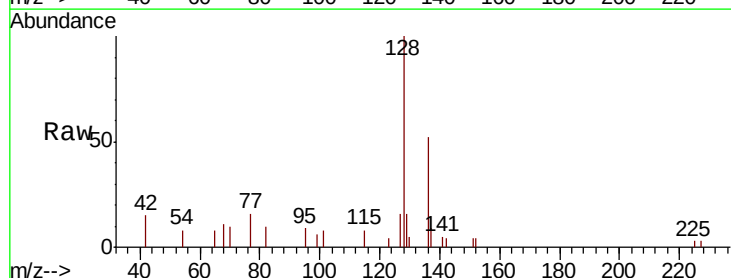
Tgt Ion: 128 Resp: 3346

Ion Ratio Lower Upper

128 100

129 15.7 11.1 16.7

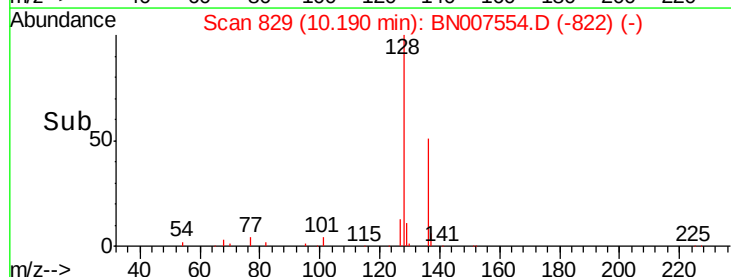
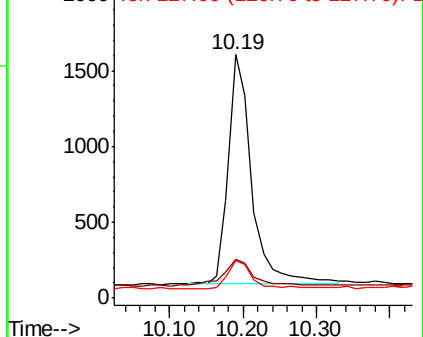
127 15.6 15.5 23.3

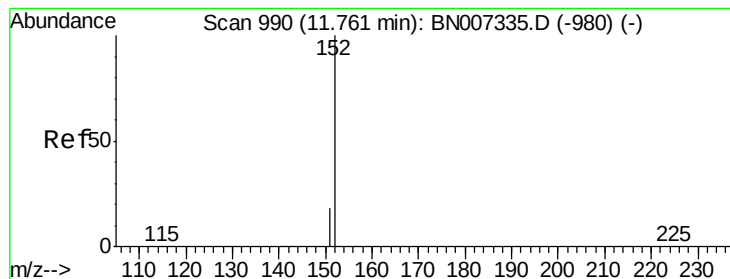


Abundance Ion 128.00 (127.70 to 128.70): BN007554.D (-822) (-)

Ion 129.00 (128.70 to 129.70): BN007554.D (-822) (-)

Ion 127.00 (126.70 to 127.70): BN007554.D (-822) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.368 ng

RT: 11.75 min Scan# 987

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

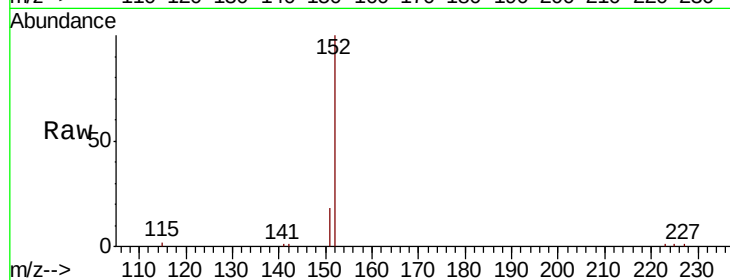
ClientSampleId :

Tot Ion:152 Resp: 14168

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.75

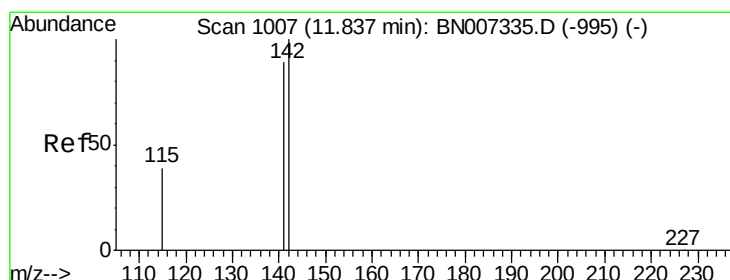
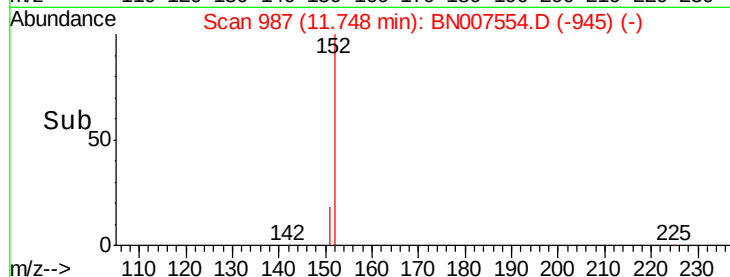
6000

4000

2000

0

Time--> 11.60 11.80 12.00



#12

2-Methylnaphthalene

Concen: 0.131 ng

RT: 11.82 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

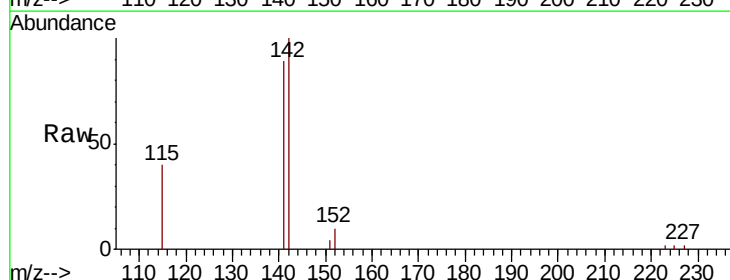
Tgt Ion:142 Resp: 5907

Ion Ratio Lower Upper

142 100

141 88.8 72.8 109.2

115 39.5 35.2 52.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.82

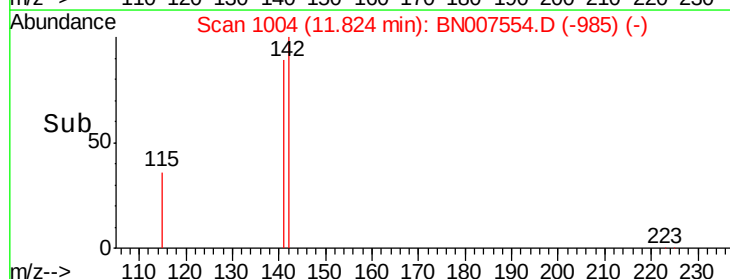
3000

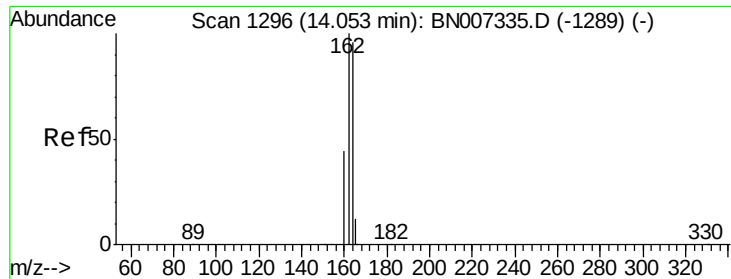
2000

1000

0

Time--> 11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

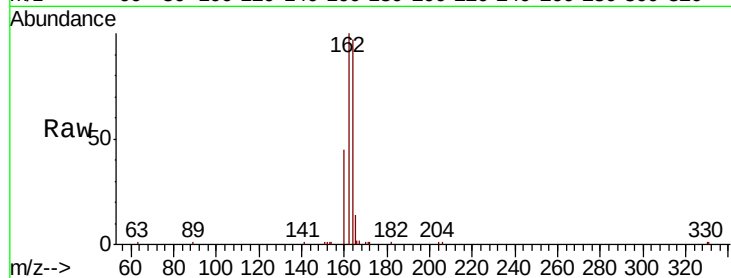
Tot Ion:164 Resp: 13302

Ion Ratio Lower Upper

164 100

162 102.7 83.5 125.3

160 45.8 38.2 57.4

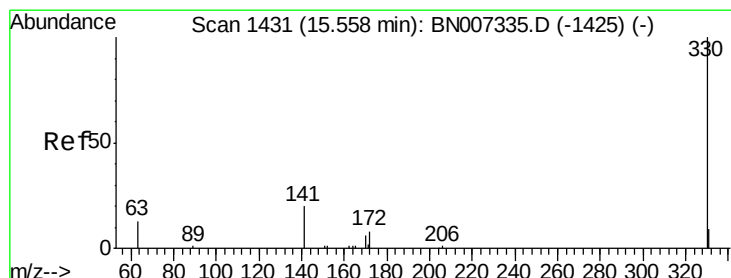
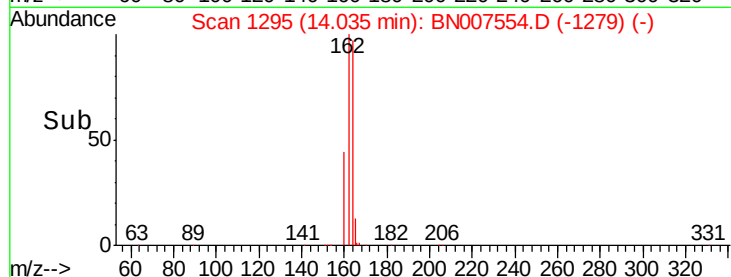
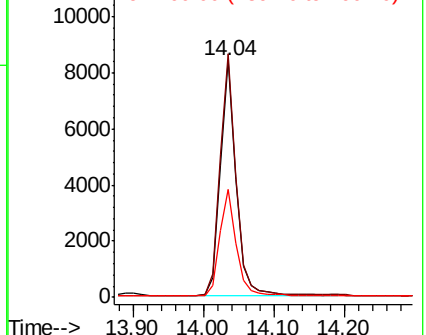


Abundance

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: 0.298 ng

RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

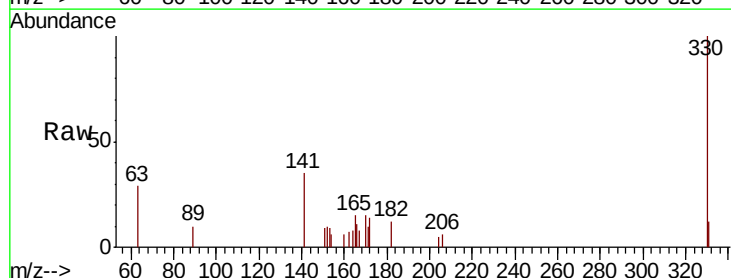
Tgt Ion:330 Resp: 2072

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

141 33.4 26.9 40.3

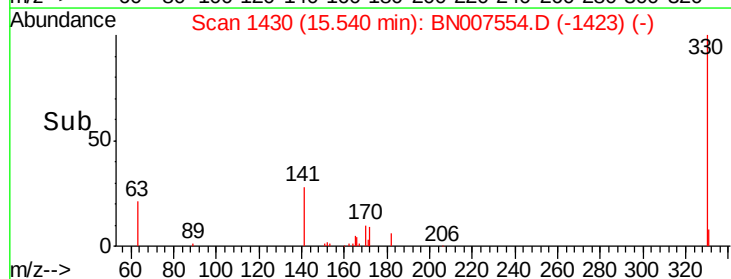
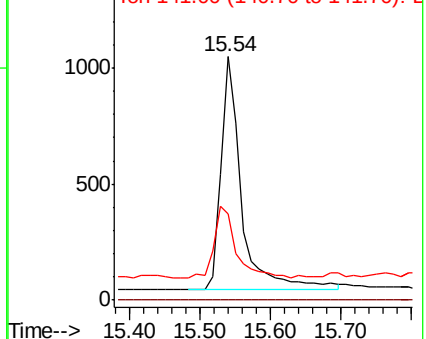


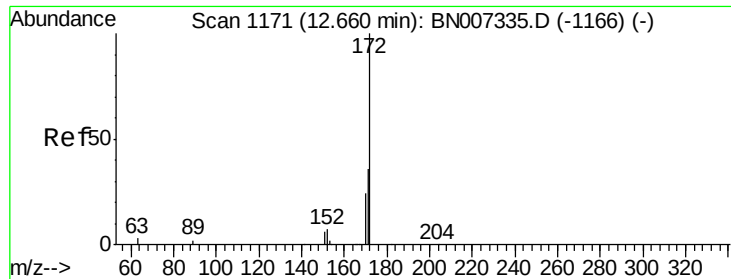
Abundance

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

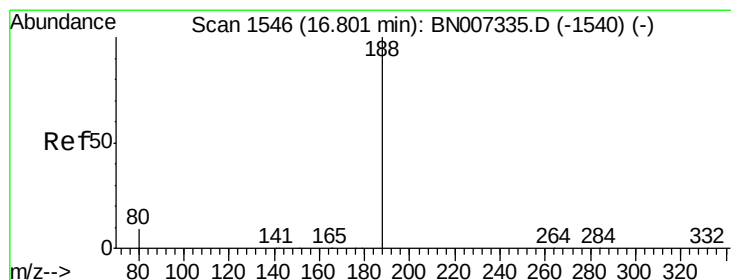
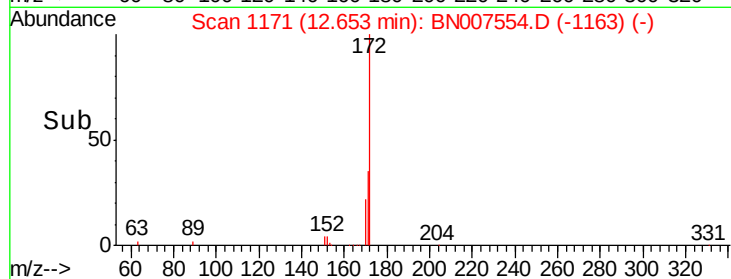
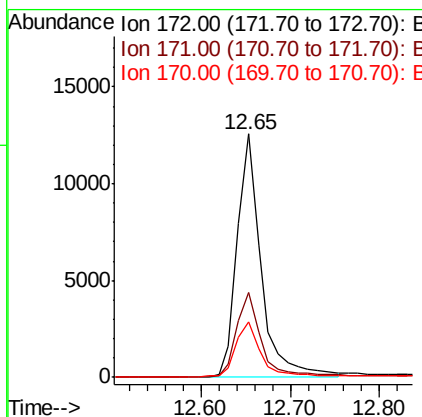
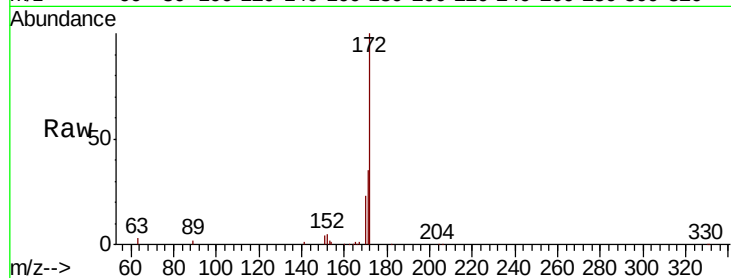




#15
2-Fluorobiphenyl
Concen: 0.431 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

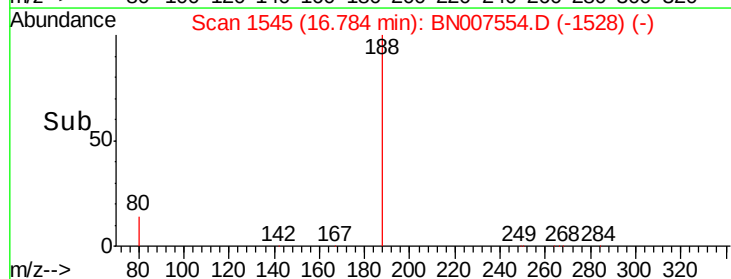
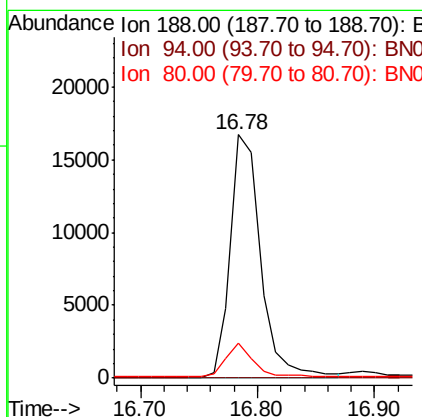
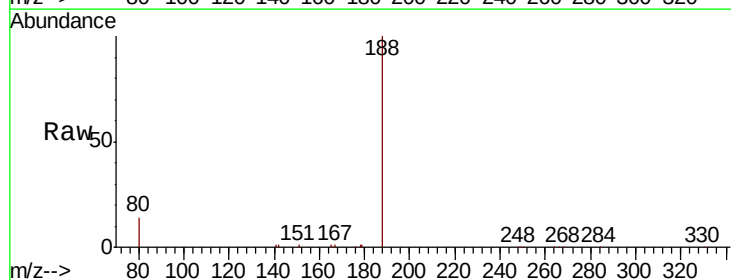
Instrument :
BNA_N
ClientSampleId :

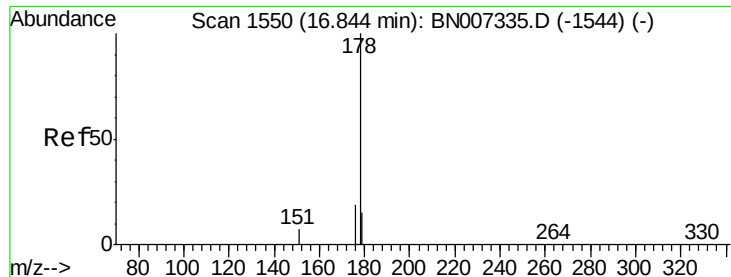
Tot Ion:172 Resp: 23132
Ion Ratio Lower Upper
172 100
171 34.8 30.3 45.5
170 22.7 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1545
Delta R.T. -0.02 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

Tgt Ion:188 Resp: 29860
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.3 11.8 17.8





#23

Phenanthrene

Concen: 0.076 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampled :

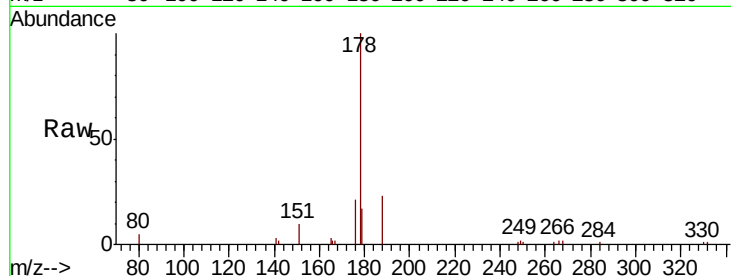
Tot Ion:178 Resp: 6782

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

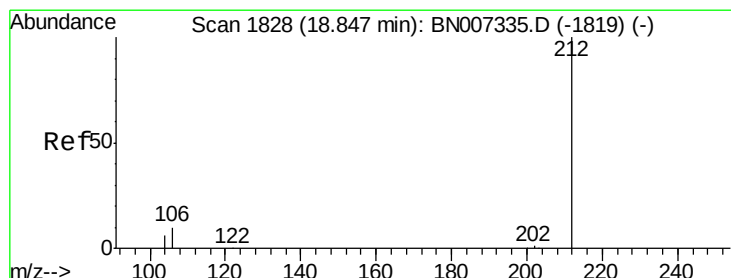
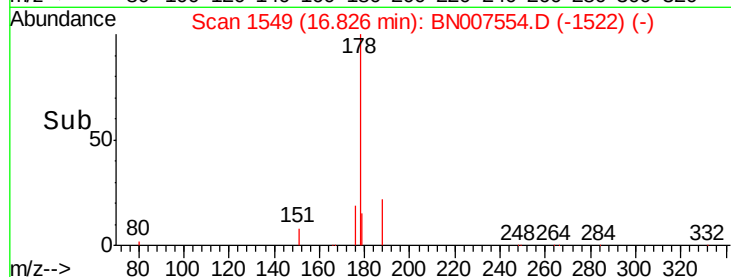
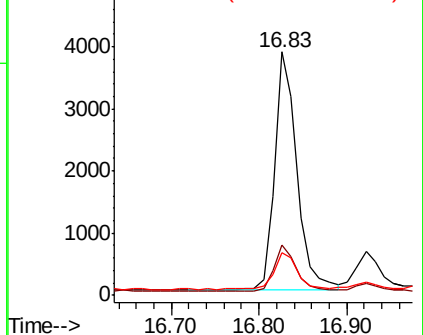
179 16.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.382 ng

RT: 18.84 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

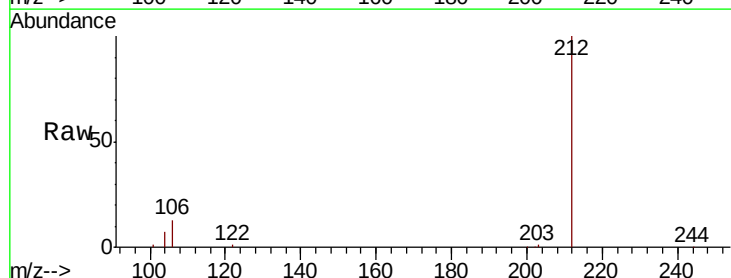
Tgt Ion:212 Resp: 36749

Ion Ratio Lower Upper

212 100

106 13.4 9.0 13.4

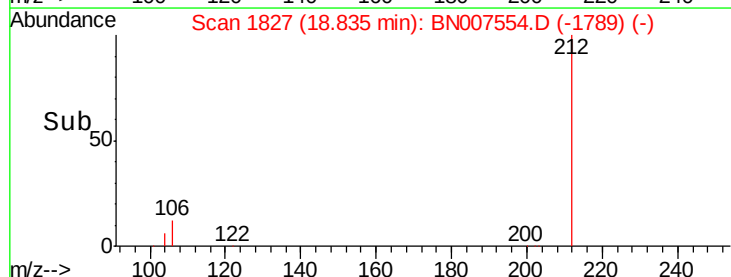
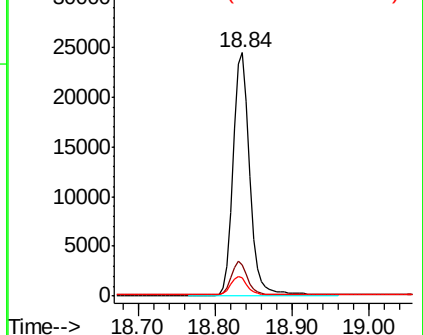
104 7.5 5.4 8.2

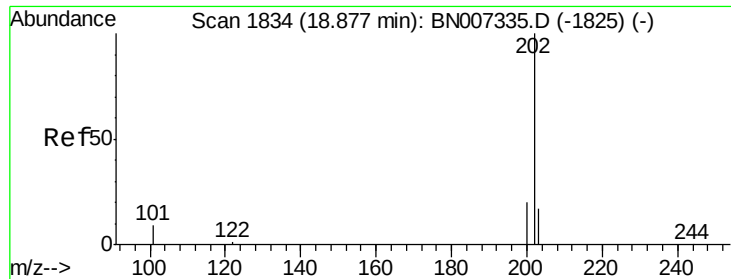


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

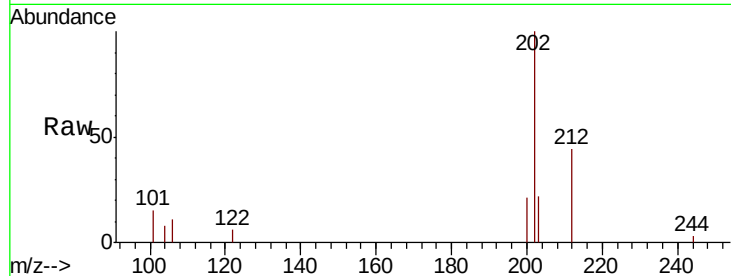




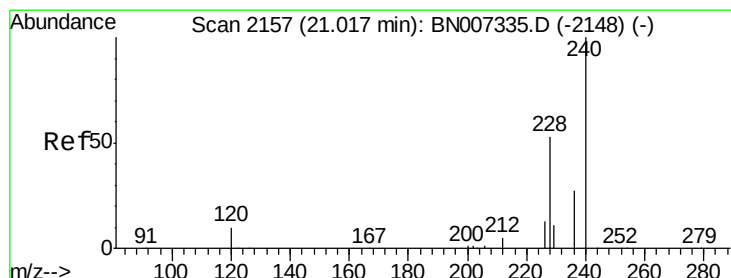
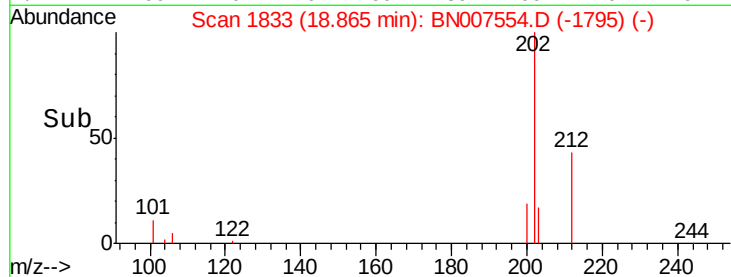
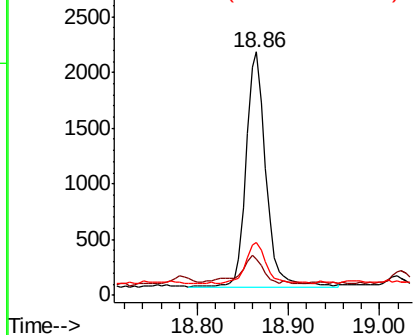
#26
Fluoranthene
Concen: 0.028 ng
RT: 18.86 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 3212
Ion Ratio Lower Upper
202 100
101 13.3 7.7 11.5#
203 18.2 13.7 20.5

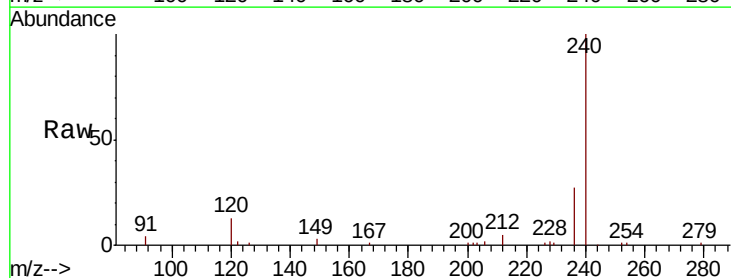


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

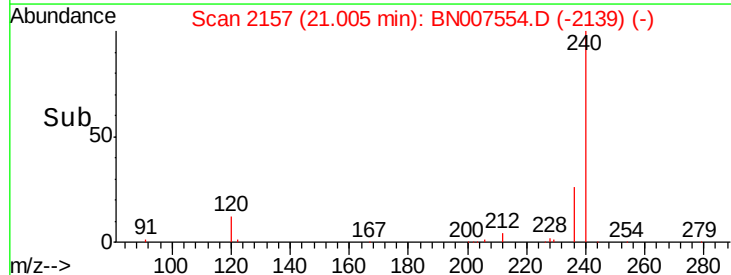
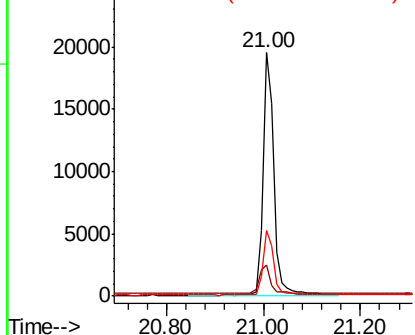


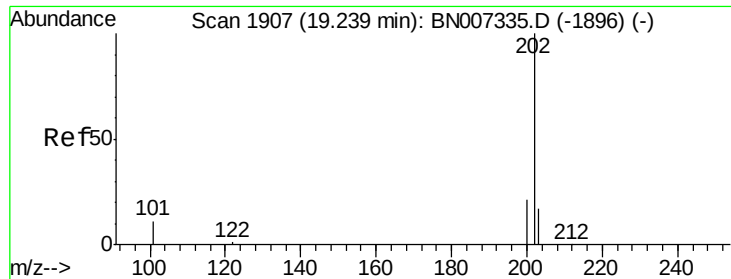
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

Tgt Ion:240 Resp: 30095
Ion Ratio Lower Upper
240 100
120 12.6 9.6 14.4
236 26.8 22.2 33.2



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

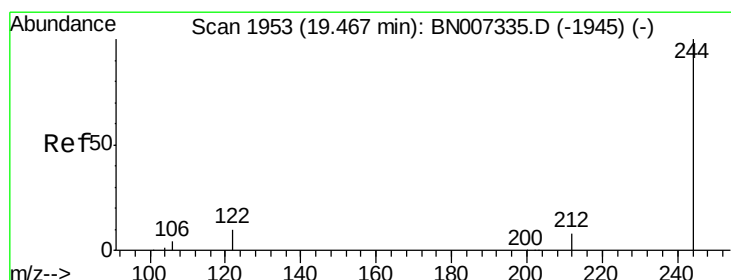
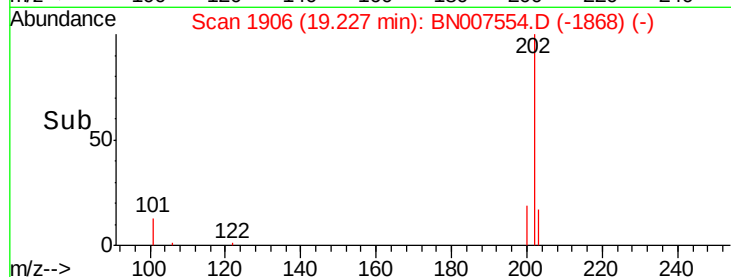
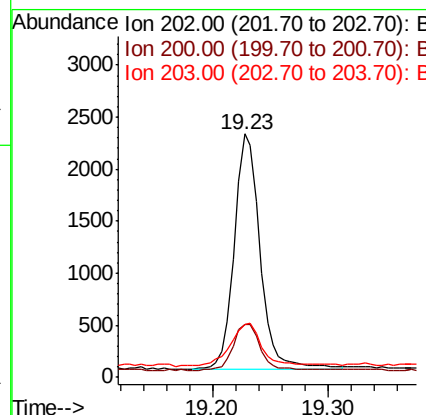
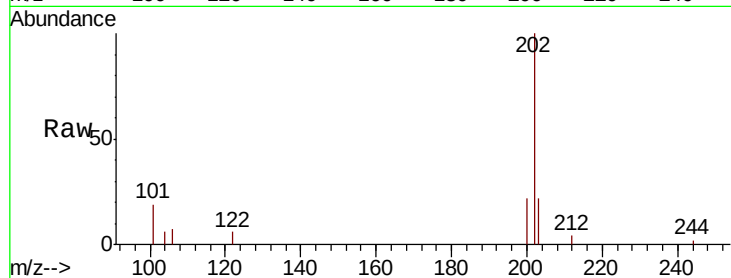




#28
Pvrene
Concen: 0.029 ng
RT: 19.23 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

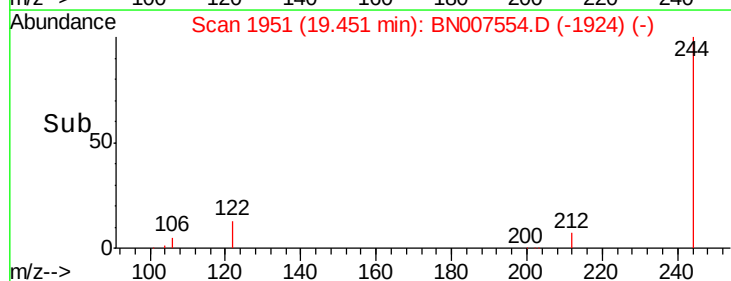
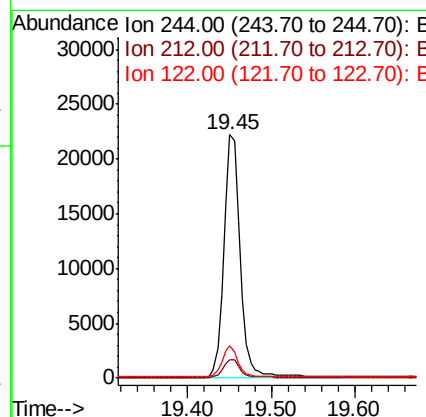
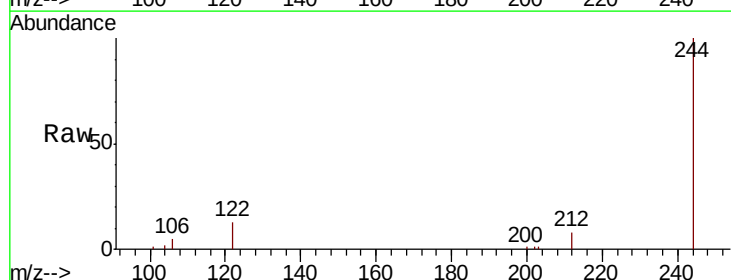
Instrument :
BNA_N
ClientSampleId :

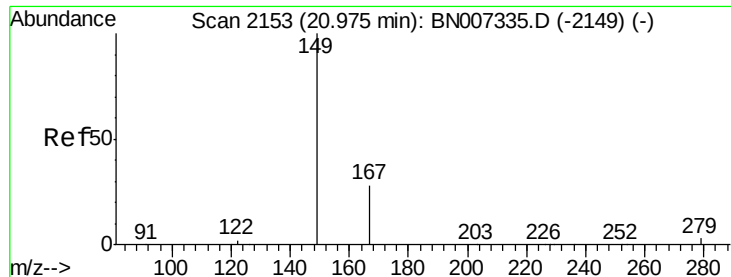
Tot Ion:202 Resp: 3504
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 20.7 14.2 21.4



#29
Terphenyl-d14
Concen: 0.382 ng
RT: 19.45 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BN007554.D
Acq: 06 Sep 2019 22:36

Tgt Ion:244 Resp: 30096
Ion Ratio Lower Upper
244 100
212 7.7 7.0 10.6
122 13.1 9.6 14.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.030 ng

RT: 20.95 min Scan# 2152

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

Instrument :

BNA_N

ClientSampleId :

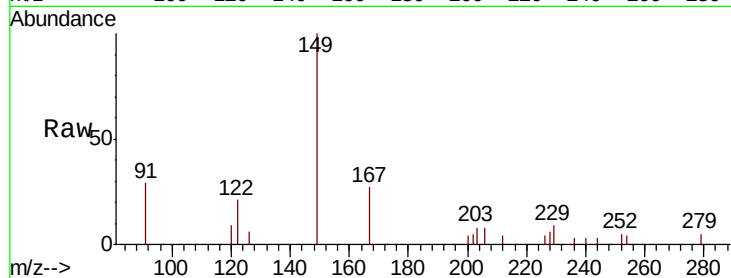
Tot Ion:149 Resp: 3715

Ion Ratio Lower Upper

149 100

167 29.7 22.8 34.2

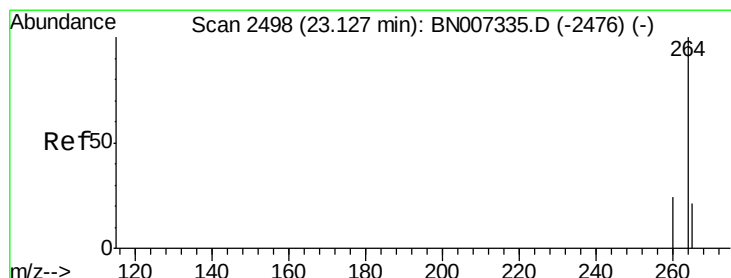
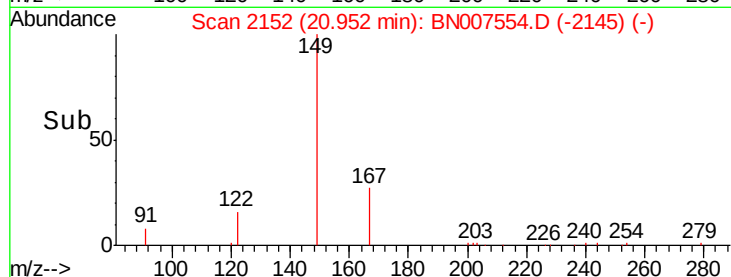
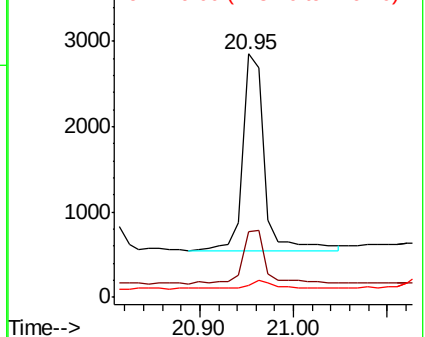
279 4.3 3.5 5.3



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: 23.11 min Scan# 2494

Delta R.T. -0.02 min

Lab File: BN007554.D

Acq: 06 Sep 2019 22:36

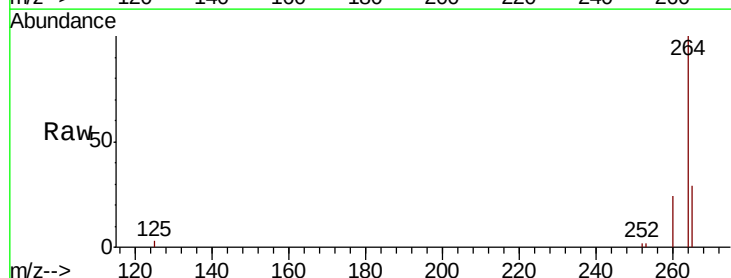
Tgt Ion:264 Resp: 32628

Ion Ratio Lower Upper

264 100

260 24.5 19.7 29.5

265 29.1 29.9 44.9#



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

