

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
 Data File : BN007546.D
 Acq On : 06 Sep 2019 17:42
 Operator : HP/JU
 Sample : K4697-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 06 18:24:28 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	5511	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	21344	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	11890	0.40	ng	-0.02
19) Phenanthrene-d10	16.78	188	26190	0.40	ng	-0.02
27) Chrysene-d12	21.02	240	25175	0.40	ng	0.00
34) Perylene-d12	23.11	264	27763	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.02	112	1599	0.06	ng	-0.02
5) Phenol-d6	6.58	99	1420	0.03	ng	0.00
8) Nitrobenzene-d5	8.52	82	3538	0.19	ng	-0.01
11) 2-Methylnaphthalene-d10	11.74	152	7044	0.20	ng	-0.02
14) 2,4,6-Tribromophenol	15.54	330	1171	0.19	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	20292	0.42	ng	0.00
25) Fluoranthene-d10	18.83	212	14454	0.17	ng	-0.01
29) Terphenyl-d14	19.45	244	13010	0.20	ng	-0.02

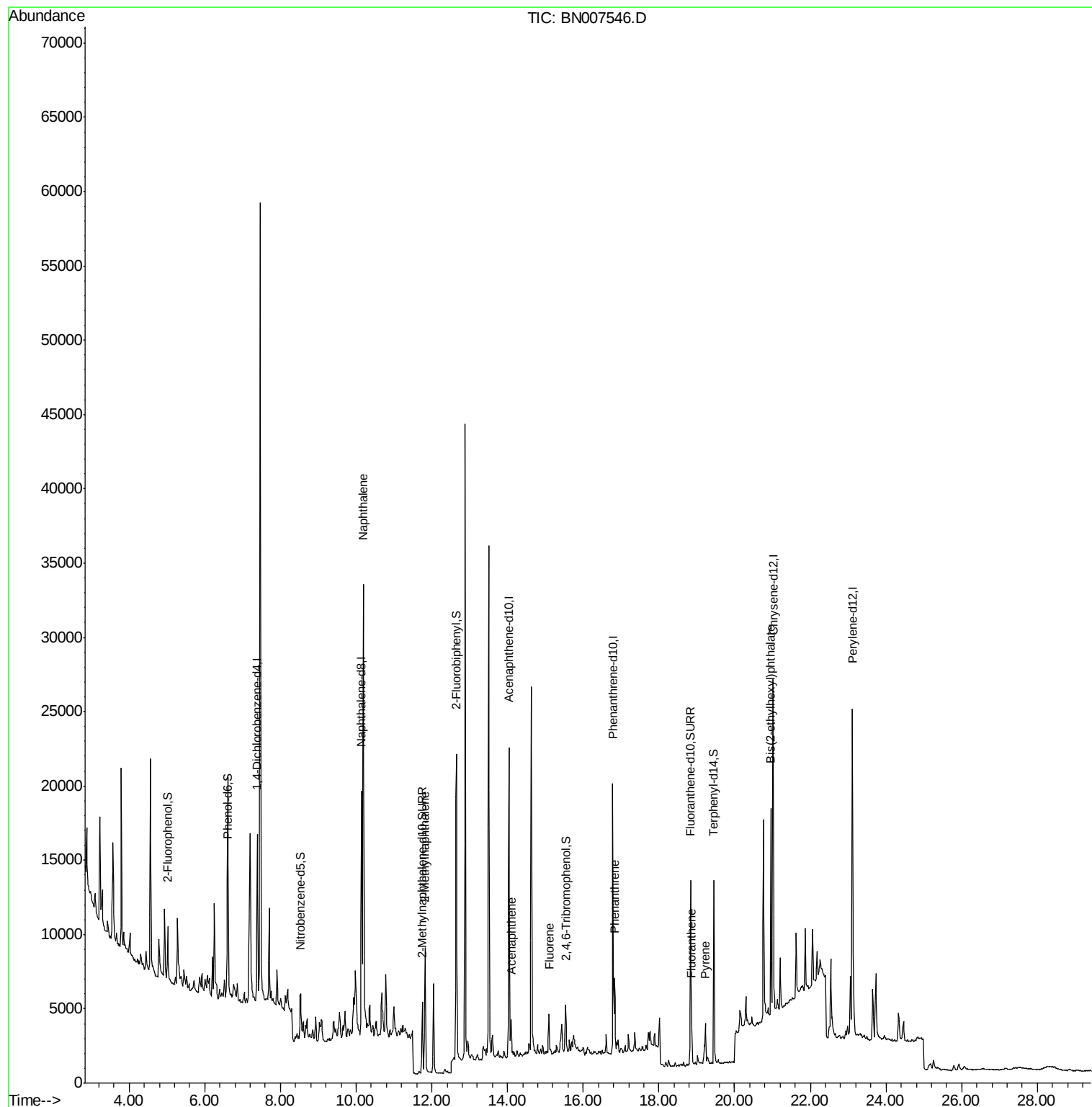
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Naphthalene	10.19	128	40198	0.659	ng	# 90
12) 2-Methylnaphthalene	11.82	142	6493	0.156	ng	99
17) Acenaphthene	14.10	154	1345	0.033	ng	92
18) Fluorene	15.09	166	1458	0.028	ng	# 92
23) Phenanthrene	16.83	178	5182	0.066	ng	98
26) Fluoranthene	18.86	202	2392	0.024	ng	99
28) Pyrene	19.23	202	2615	0.026	ng	# 94
32) Bis(2-ethylhexyl)phthalate	20.96	149	12347	0.174	ng	98

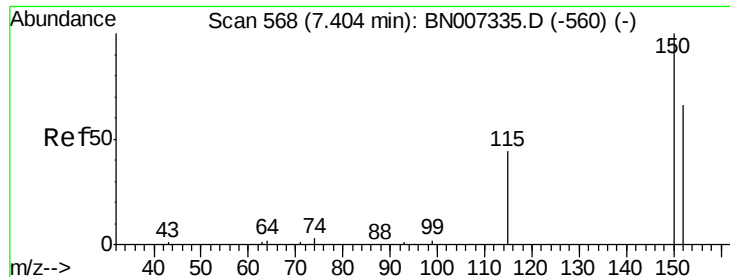
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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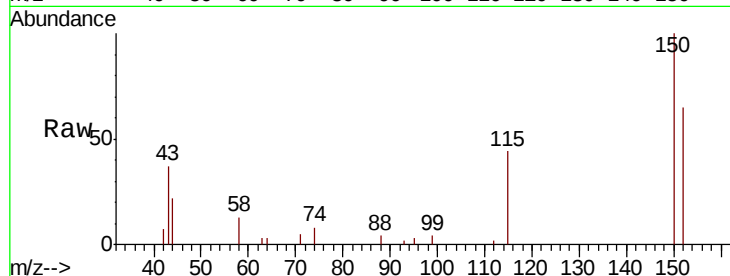


#1

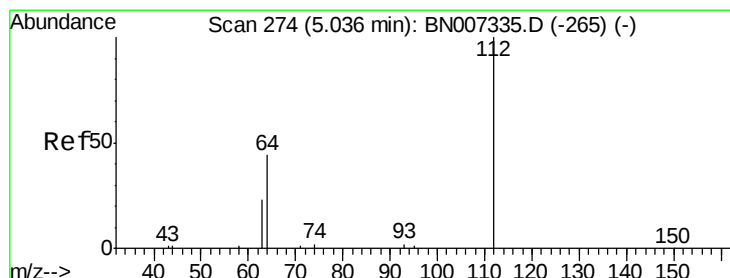
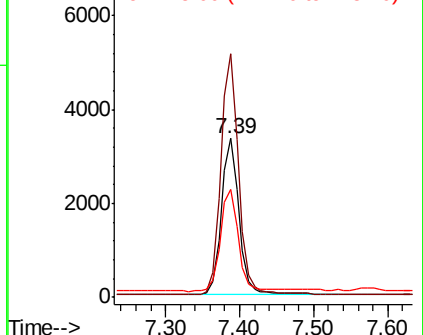
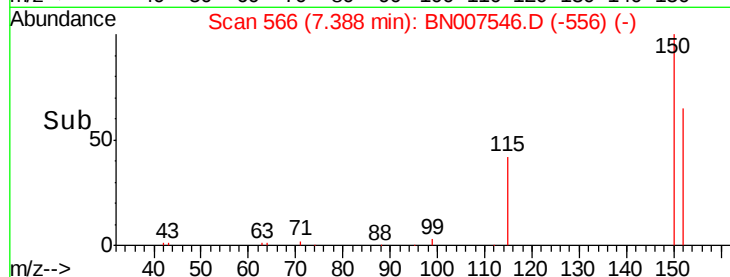
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007546.D
Acq: 06 Sep 2019 17:42

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 5511
Ion Ratio Lower Upper
152 100
150 153.2 109.1 163.7
115 67.7 59.6 89.4



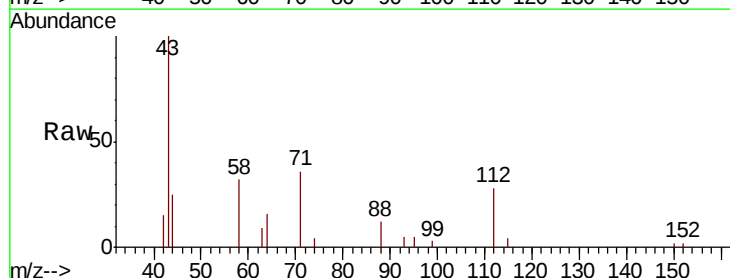
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



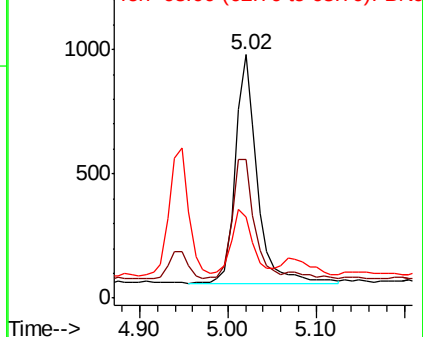
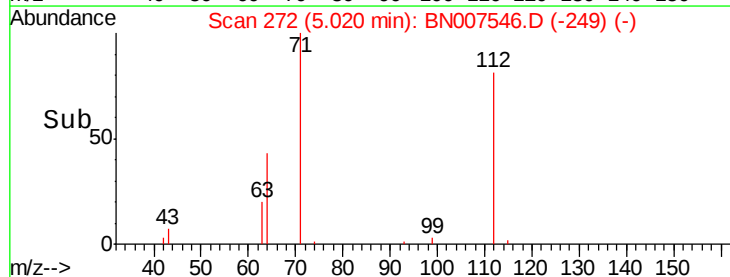
#4

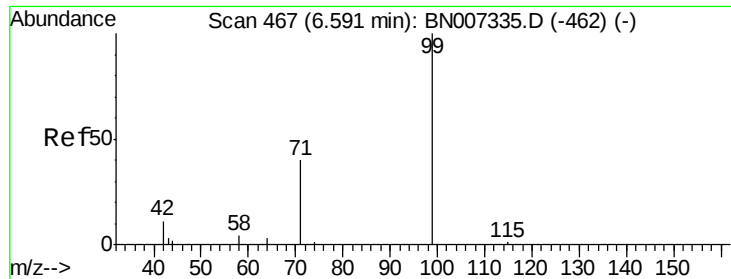
2-Fluorophenol
Concen: 0.060 ng
RT: 5.02 min Scan# 272
Delta R.T. -0.02 min
Lab File: BN007546.D
Acq: 06 Sep 2019 17:42

Tgt Ion:112 Resp: 1599
Ion Ratio Lower Upper
112 100
64 56.0 42.3 63.5
63 27.2 23.6 35.4



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





#5

Phenol-d6

Concen: 0.030 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Instrument :

BNA_G

ClientSampled :

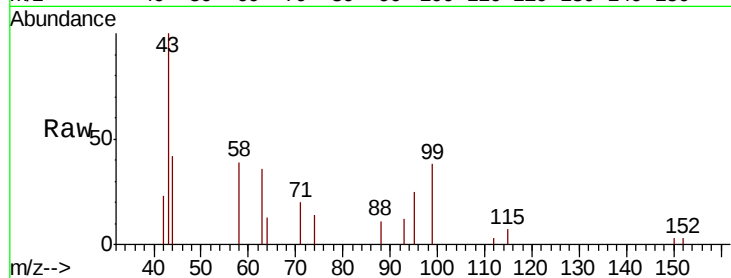
Tot Ion: 99 Resp: 1420

Ion Ratio Lower Upper

99 100

42 61.4 11.2 16.8#

71 48.6 31.8 47.8#

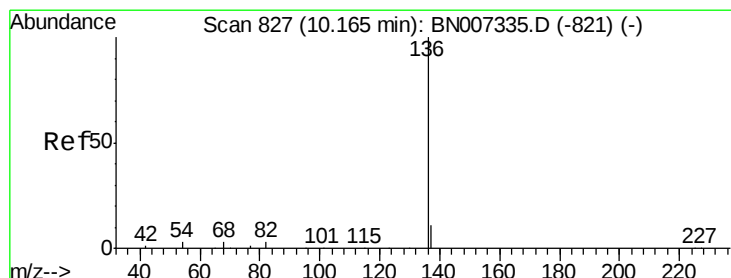
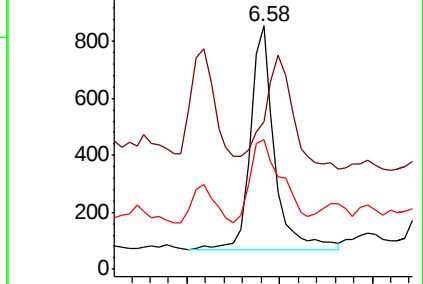
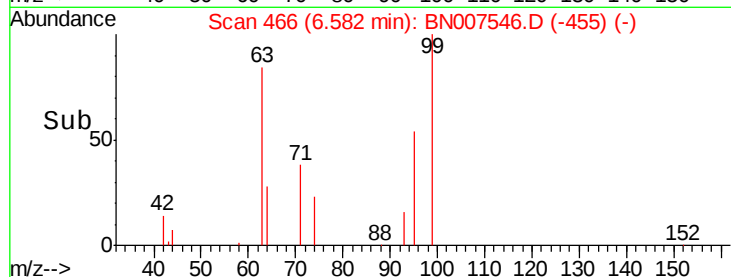


Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

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

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

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Tgt Ion: 136 Resp: 21344

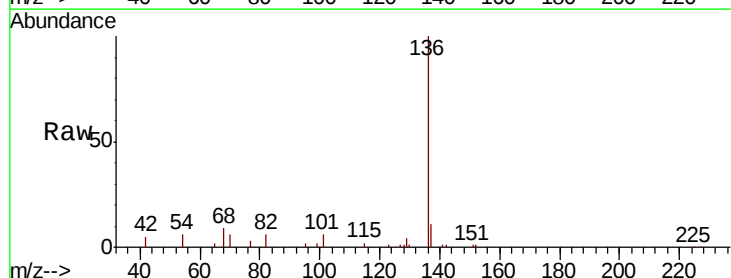
Ion Ratio Lower Upper

136 100

137 11.4 12.9 19.3#

54 6.4 8.6 12.8#

68 8.7 17.0 25.4#



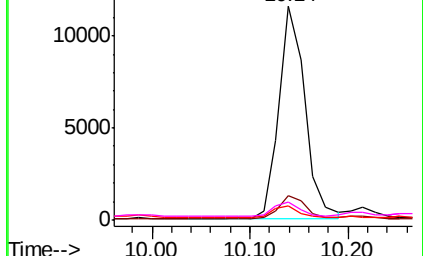
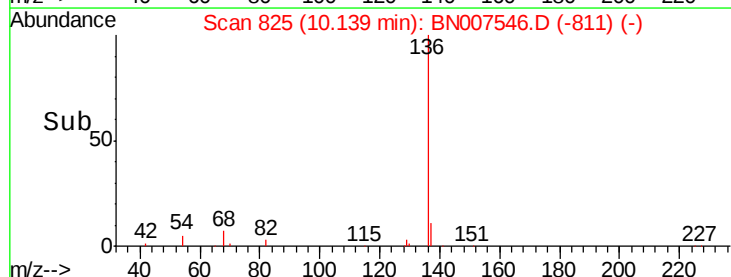
Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

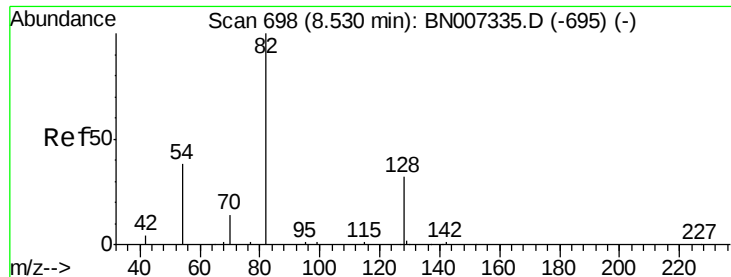
Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

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

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

Time-->

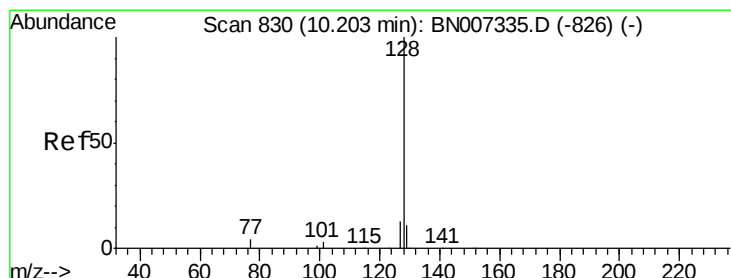
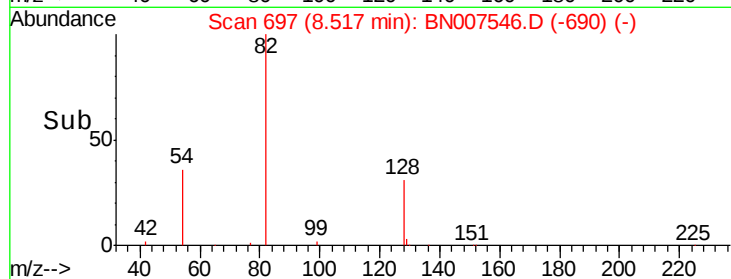
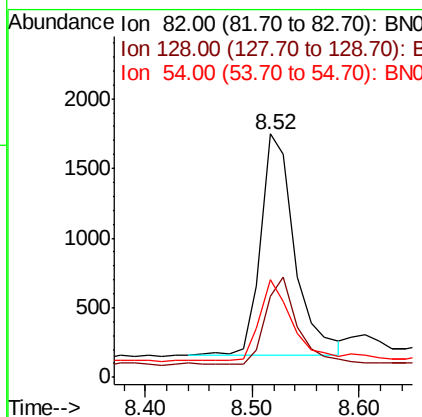
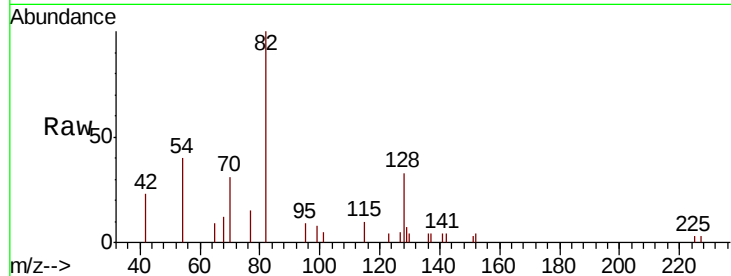




#8
 Nitrobenzene-d5
 Concen: 0.190 ng
 RT: 8.52 min Scan# 697
 Delta R.T. -0.01 min
 Lab File: BN007546.D
 Acq: 06 Sep 2019 17:42

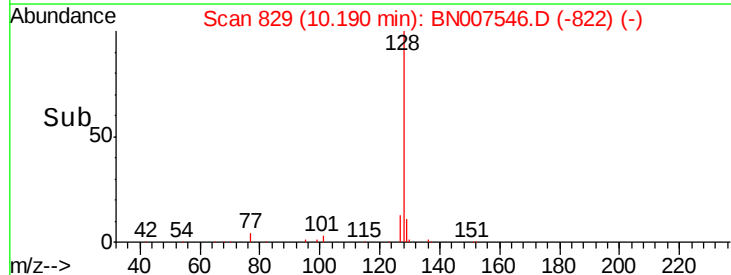
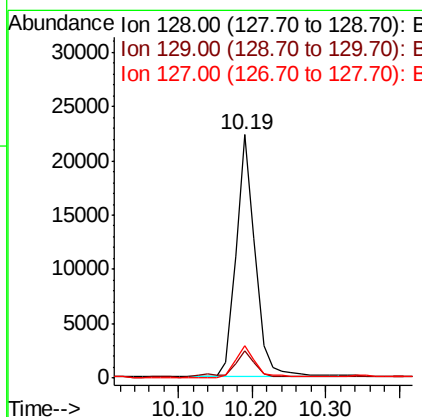
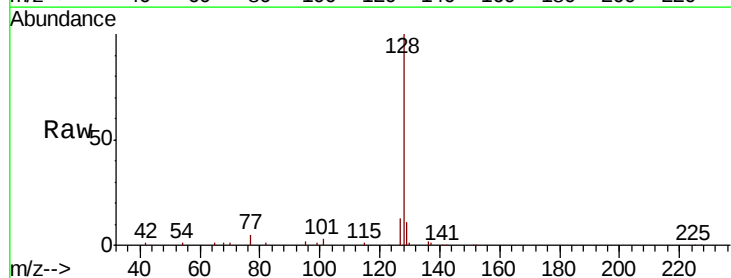
Instrument :
 BNA_G
 ClientSampleId :

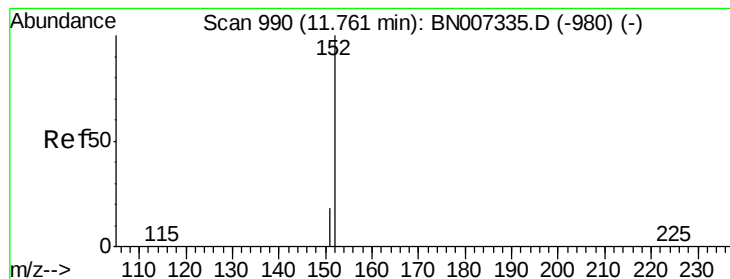
Tot Ion	82	Resp	3538
Ion Ratio	100	Lower	Upper
128	33.5	19.7	29.5#
54	40.2	25.8	38.6#



#9
 Naphthalene
 Concen: 0.659 ng
 RT: 10.19 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BN007546.D
 Acq: 06 Sep 2019 17:42

Tgt Ion	128	Resp	40198
Ion Ratio	100	Lower	Upper
129	11.2	11.1	16.7
127	13.4	15.5	23.3#





#11

2-Methylnaphthalene-d10

Concen: 0.199 ng

RT: 11.74 min Scan# 986

Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Instrument :

BNA_G

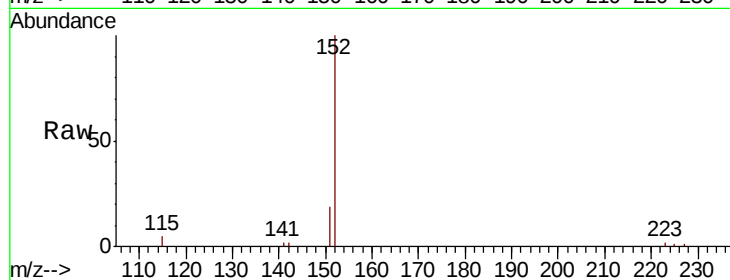
ClientSampleId :

Tot Ion:152 Resp: 7044

Ion Ratio Lower Upper

152 100

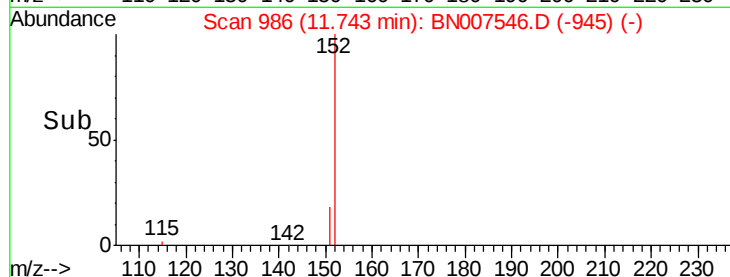
151 21.6 16.2 24.2



Abundance Ion 152.00 (151.70 to 152.70): E

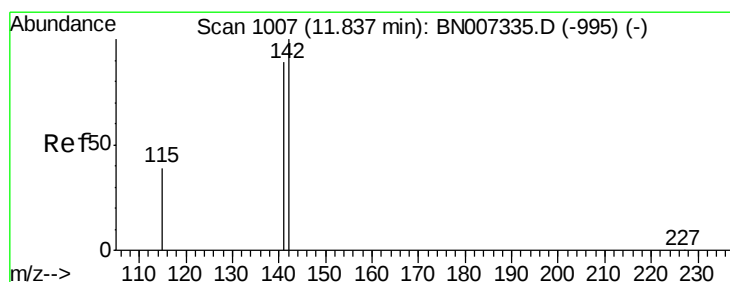
Ion 151.00 (150.70 to 151.70): E

11.74



Time-->

11.65 11.70 11.75 11.80



#12

2-Methylnaphthalene

Concen: 0.156 ng

RT: 11.82 min Scan# 1003

Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

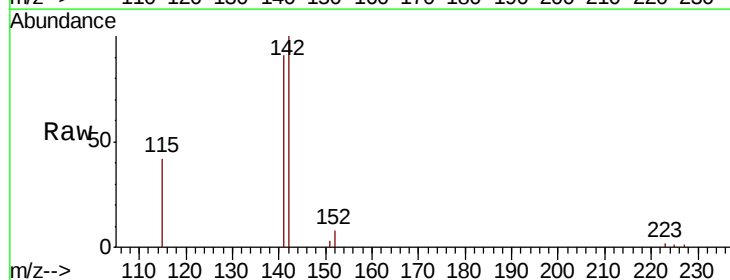
Tgt Ion:142 Resp: 6493

Ion Ratio Lower Upper

142 100

141 90.9 72.8 109.2

115 42.4 35.2 52.8

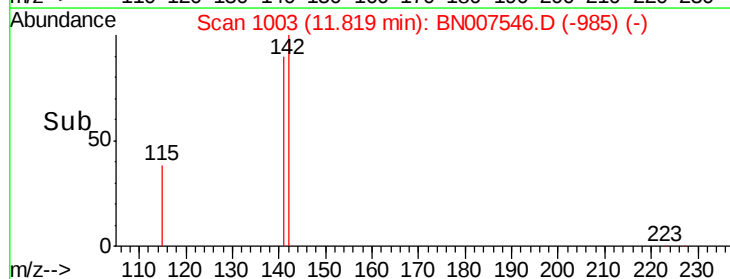


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

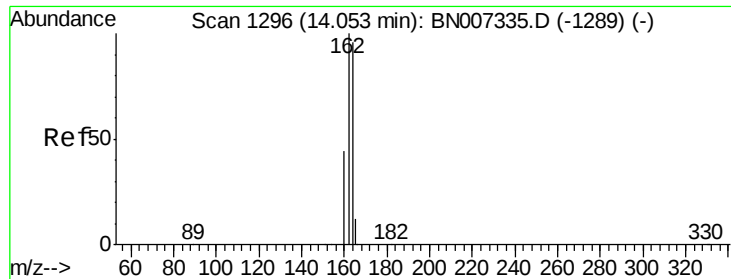
Ion 115.00 (114.70 to 115.70): E

11.82



Time-->

11.80 11.90



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

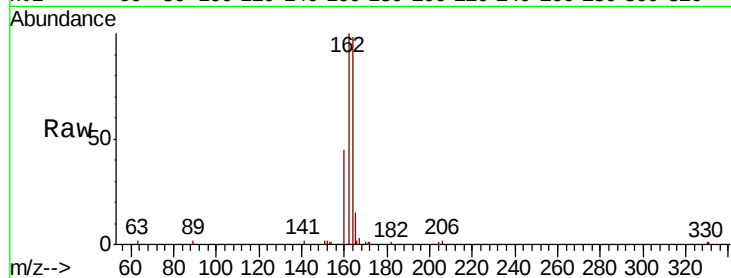
Instrument :

BNA_G

ClientSampled :

Tot Ion:164 Resp: 11890

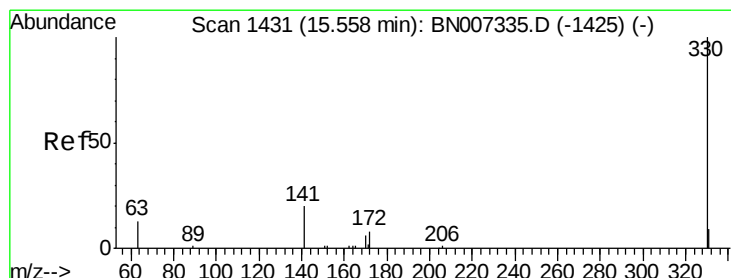
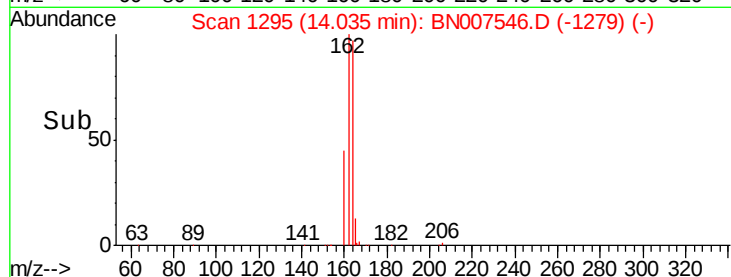
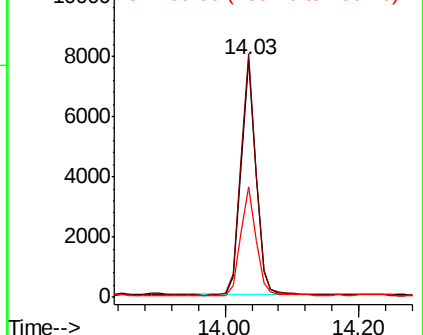
Ion	Ratio	Lower	Upper
164	100		
162	102.4	83.5	125.3
160	46.3	38.2	57.4



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: 0.188 ng

RT: 15.54 min Scan# 1430

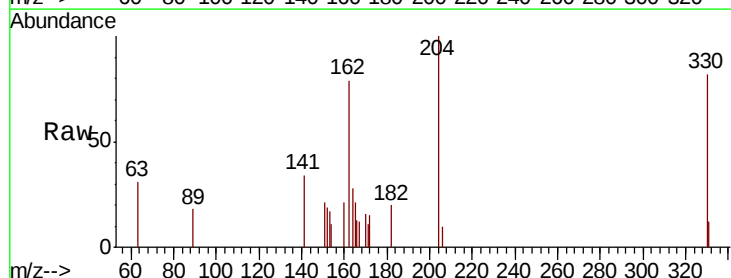
Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Tgt Ion:330 Resp: 1171

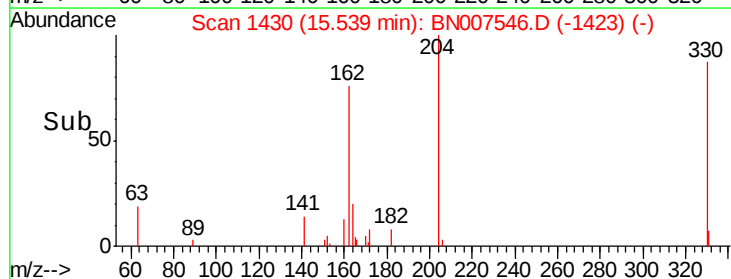
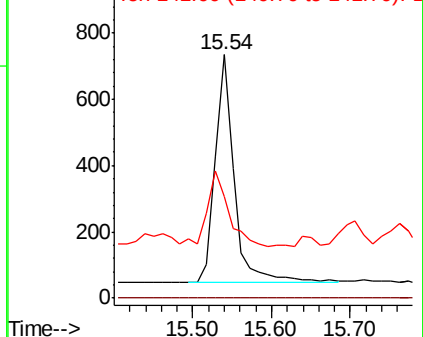
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.6	26.9	40.3

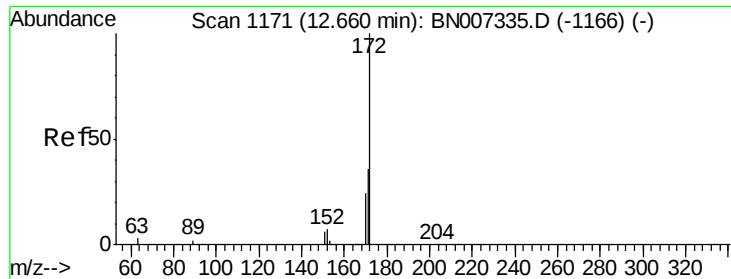


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

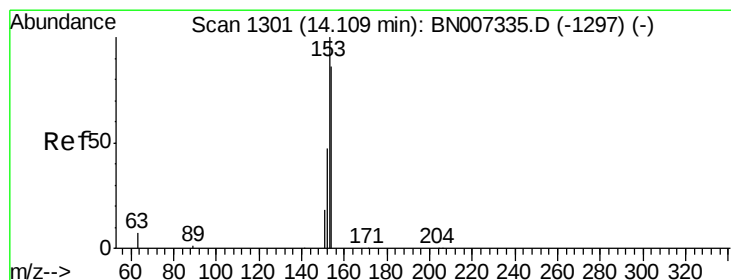
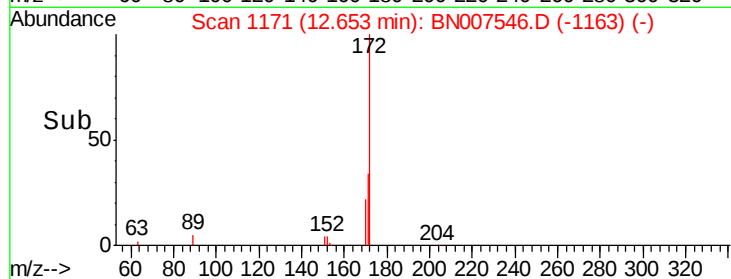
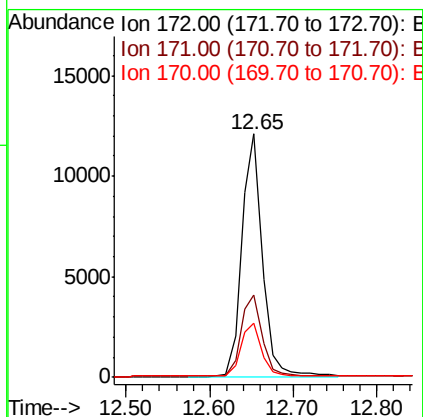
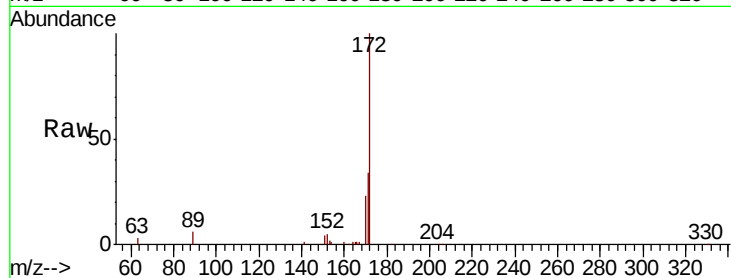




#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007546.D
Acq: 06 Sep 2019 17:42

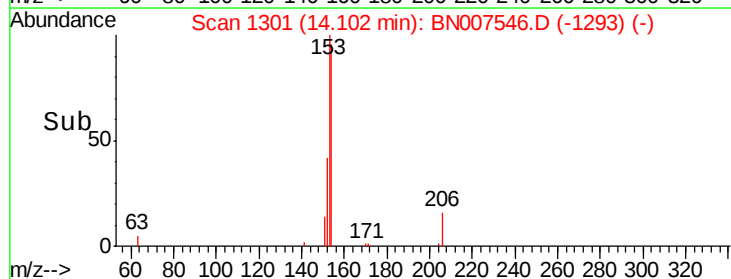
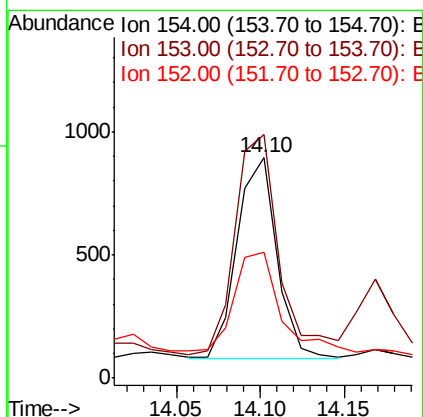
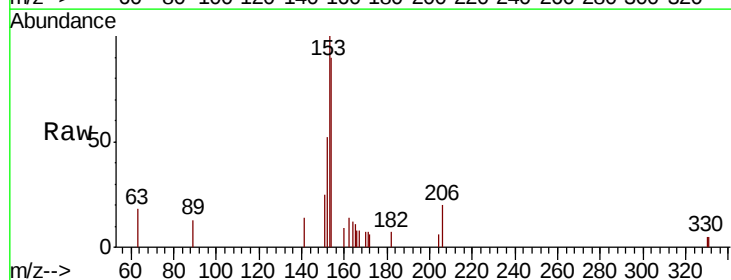
Instrument :
BNA_G
ClientSampleId :

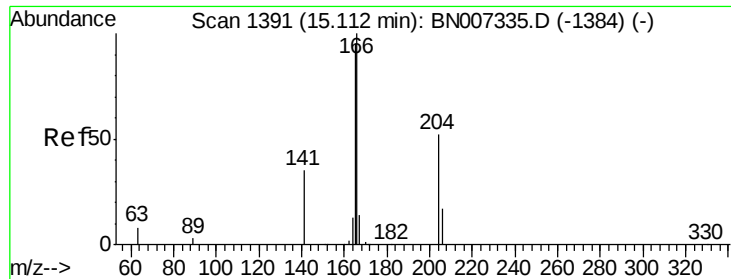
Tot Ion:172 Resp: 20292
Ion Ratio Lower Upper
172 100
171 33.9 30.3 45.5
170 22.5 20.7 31.1



#17
Acenaphthene
Concen: 0.033 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007546.D
Acq: 06 Sep 2019 17:42

Tgt Ion:154 Resp: 1345
Ion Ratio Lower Upper
154 100
153 121.7 92.8 139.2
152 65.7 43.8 65.8

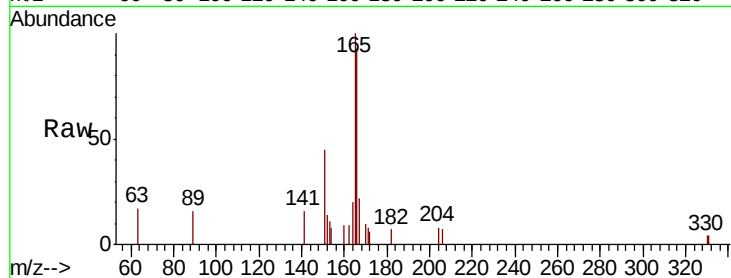




#18
 Fluorene
 Concen: 0.028 ng
 RT: 15.09 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BN007546.D
 Acq: 06 Sep 2019 17:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.7	79.0	118.4
167	23.3	10.6	15.8#

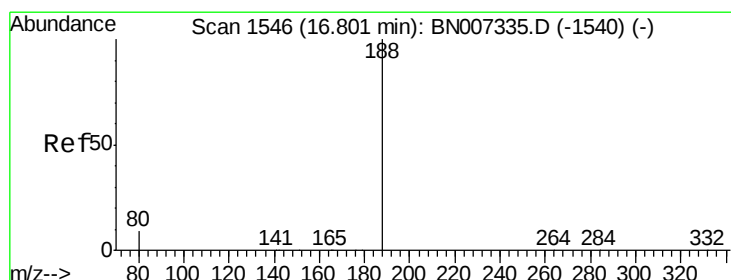
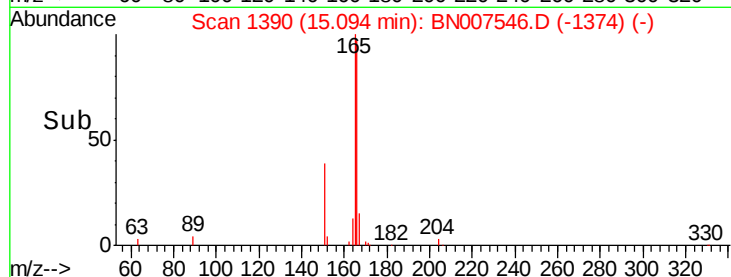
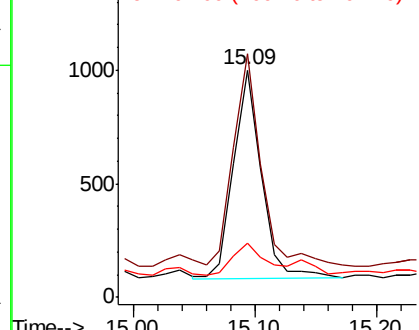


Abundance

Ion 166.00 (165.70 to 166.70): E

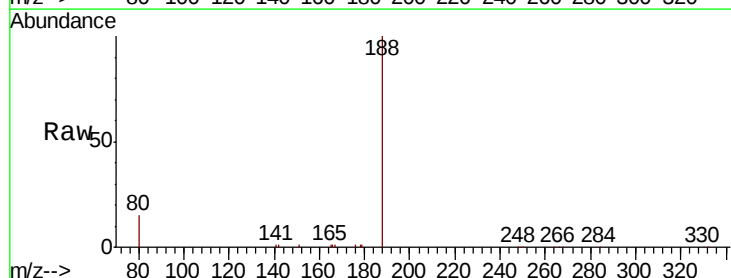
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.78 min Scan# 1545
 Delta R.T. -0.02 min
 Lab File: BN007546.D
 Acq: 06 Sep 2019 17:42

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.6	11.8	17.8

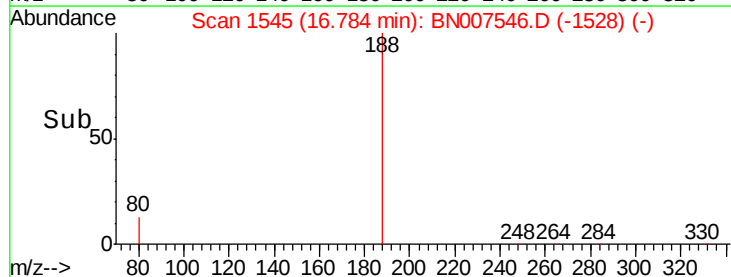
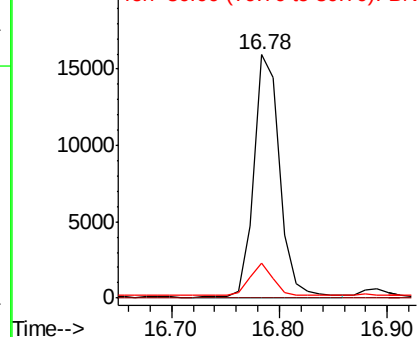


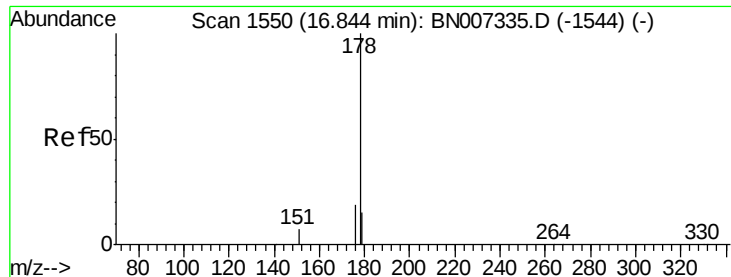
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#23

Phenanthrene

Concen: 0.066 ng

RT: 16.83 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Instrument :

BNA_G

ClientSampleId :

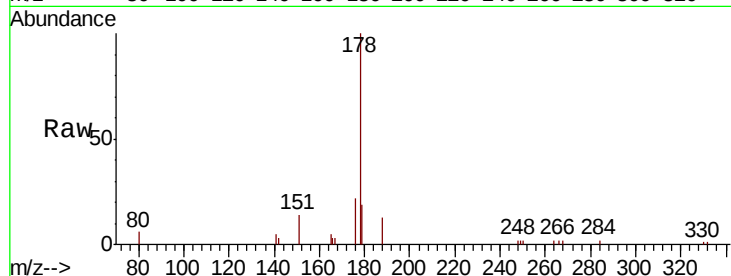
Tot Ion:178 Resp: 5182

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

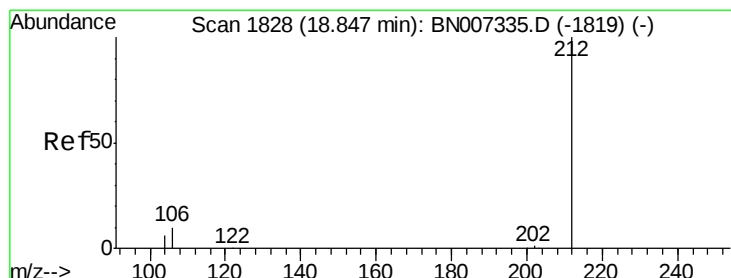
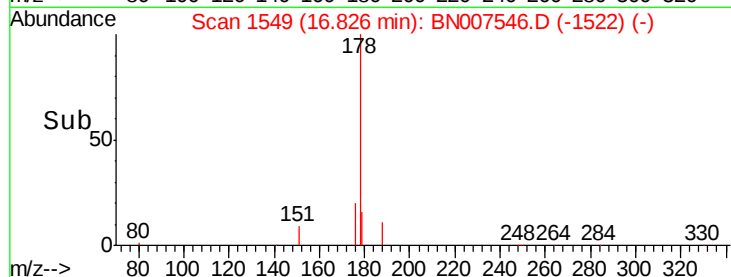
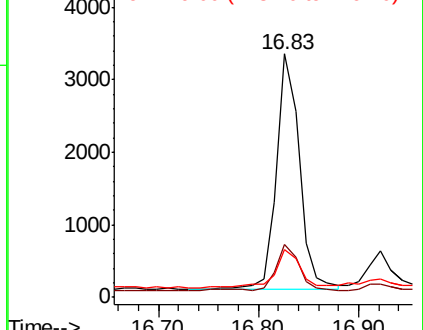
179 17.7 12.6 19.0



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: 0.171 ng

RT: 18.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

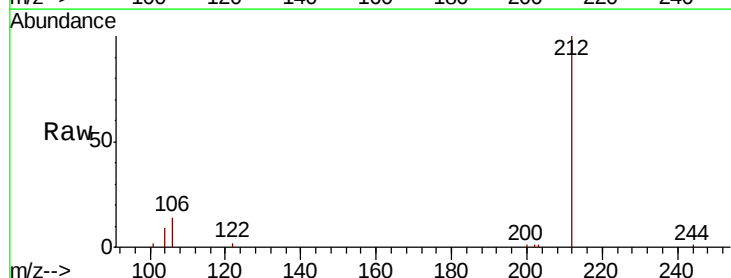
Tgt Ion:212 Resp: 14454

Ion Ratio Lower Upper

212 100

106 13.1 9.0 13.4

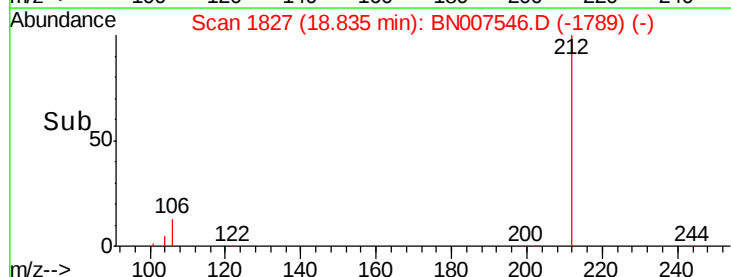
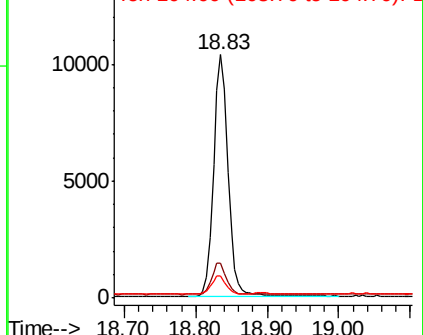
104 7.8 5.4 8.2

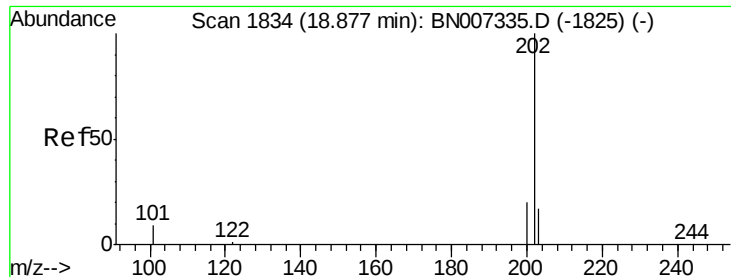


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

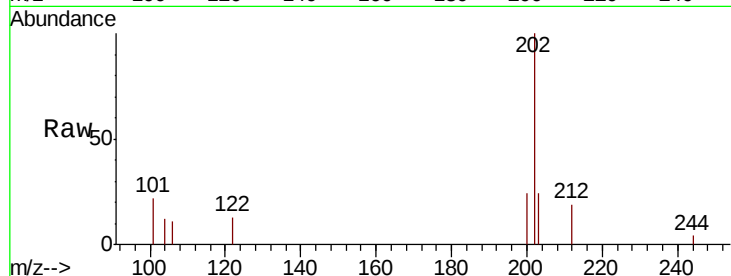




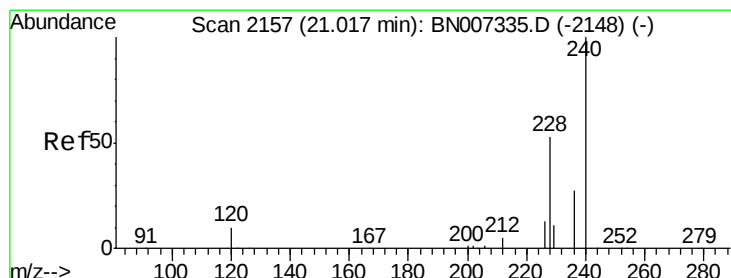
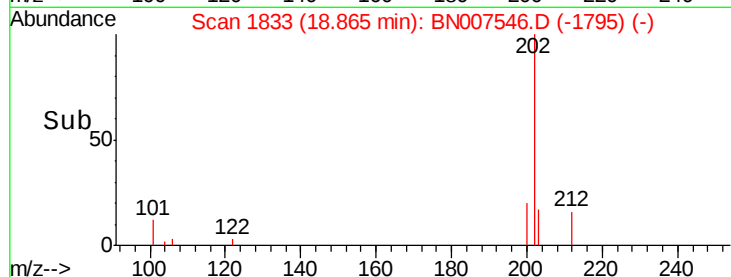
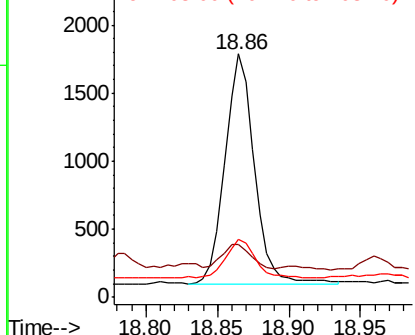
#26
 Fluoranthene
 Concen: 0.024 ng
 RT: 18.86 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BN007546.D
 Acq: 06 Sep 2019 17:42

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:202 Resp: 2392
 Ion Ratio Lower Upper
 202 100
 101 9.6 7.7 11.5
 203 17.8 13.7 20.5

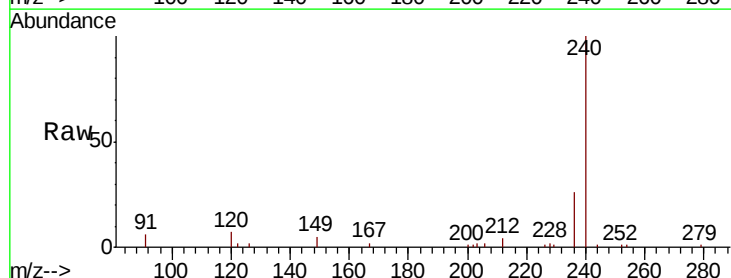


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

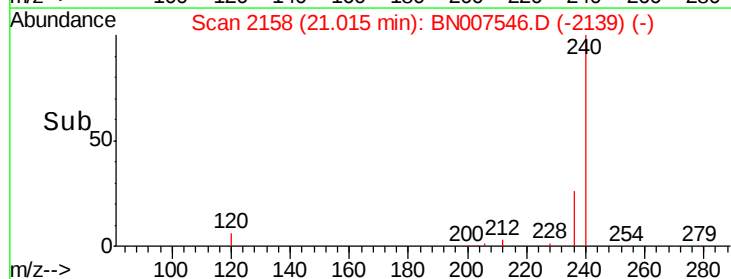
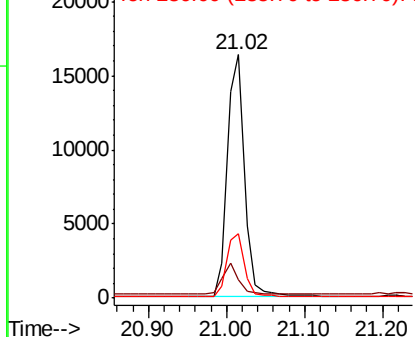


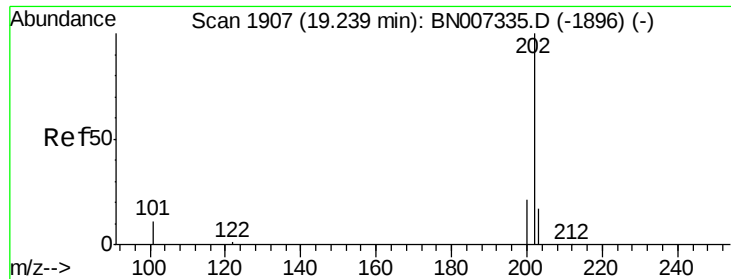
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007546.D
 Acq: 06 Sep 2019 17:42

Tgt Ion:240 Resp: 25175
 Ion Ratio Lower Upper
 240 100
 120 7.5 9.6 14.4#
 236 26.3 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: 0.026 ng

RT: 19.23 min Scan# 1907

Delta R.T. -0.01 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Instrument :

BNA_G

ClientSampleId :

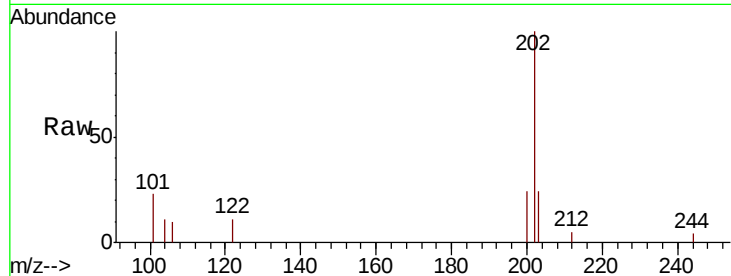
Tot Ion:202 Resp: 2615

Ion Ratio Lower Upper

202 100

200 19.8 16.6 25.0

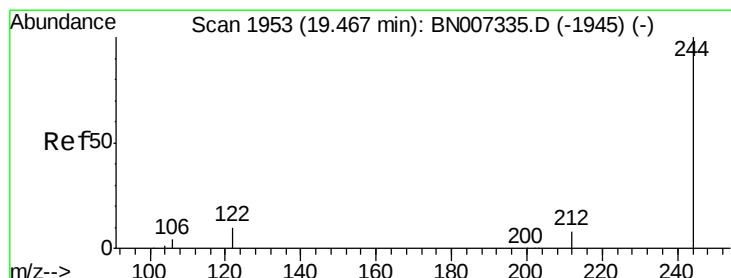
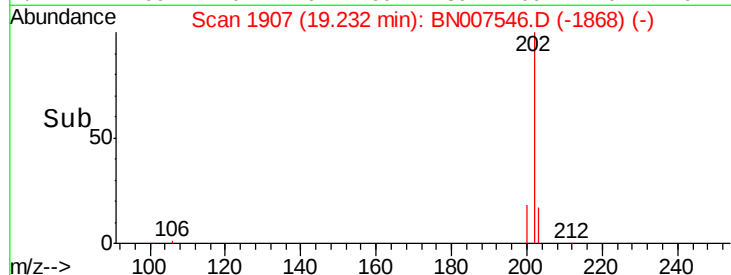
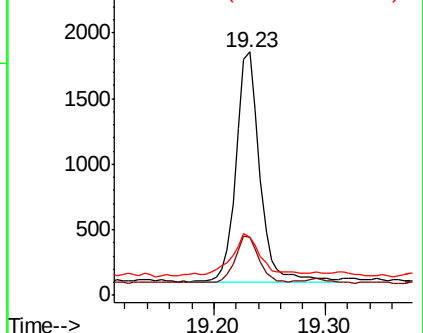
203 22.8 14.2 21.4#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.197 ng

RT: 19.45 min Scan# 1951

Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

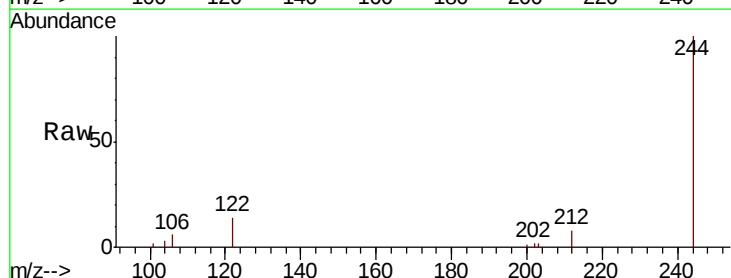
Tgt Ion:244 Resp: 13010

Ion Ratio Lower Upper

244 100

212 8.3 7.0 10.6

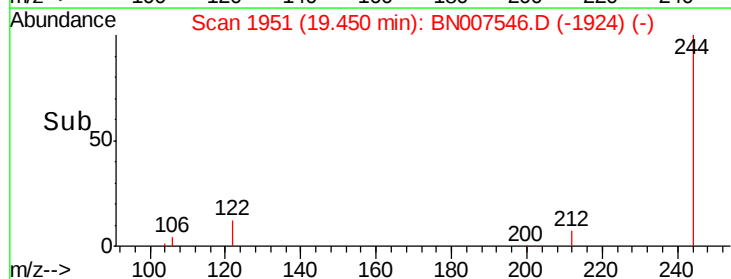
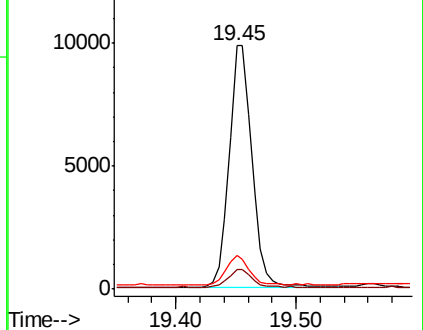
122 13.7 9.6 14.4

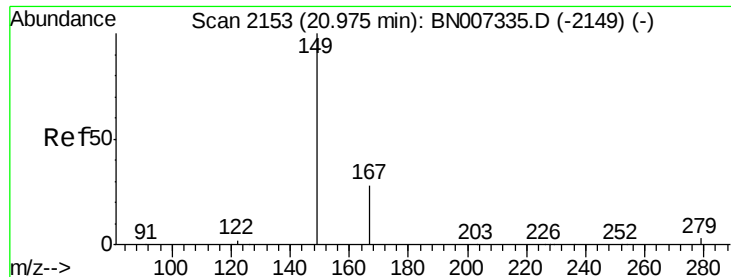


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.174 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

Instrument :

BNA_G

ClientSampled :

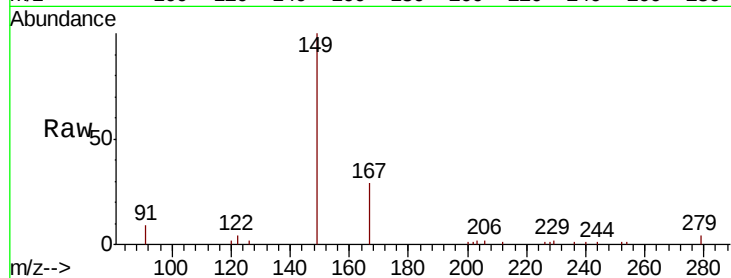
Tot Ion:149 Resp: 12347

Ion Ratio Lower Upper

149 100

167 27.4 22.8 34.2

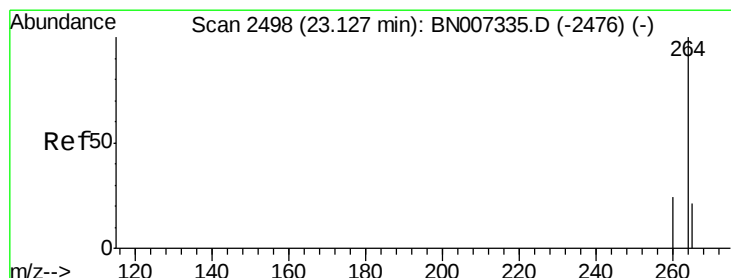
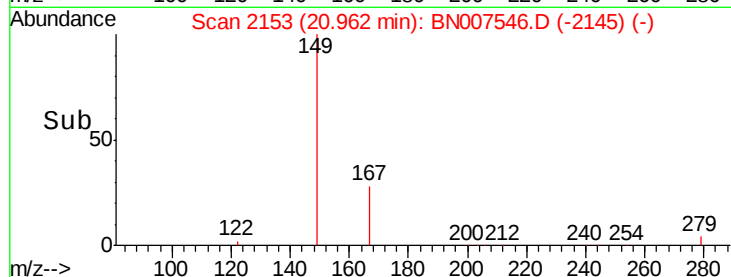
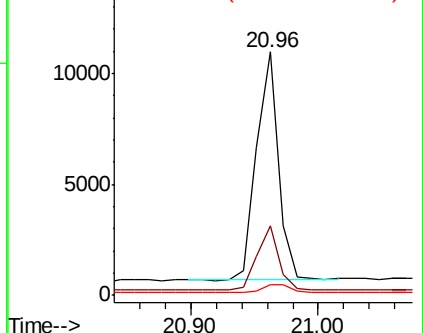
279 4.4 3.5 5.3



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# 2495

Delta R.T. -0.02 min

Lab File: BN007546.D

Acq: 06 Sep 2019 17:42

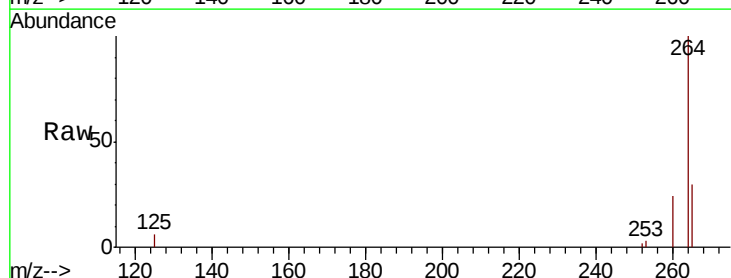
Tgt Ion:264 Resp: 27763

Ion Ratio Lower Upper

264 100

260 24.3 19.7 29.5

265 30.5 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

