

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
 Data File : BF117550.D
 Acq On : 25 Oct 2019 21:34
 Operator : JU
 Sample : K5500-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 804-00-(0-1.8)

Quant Time: Oct 26 00:14:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

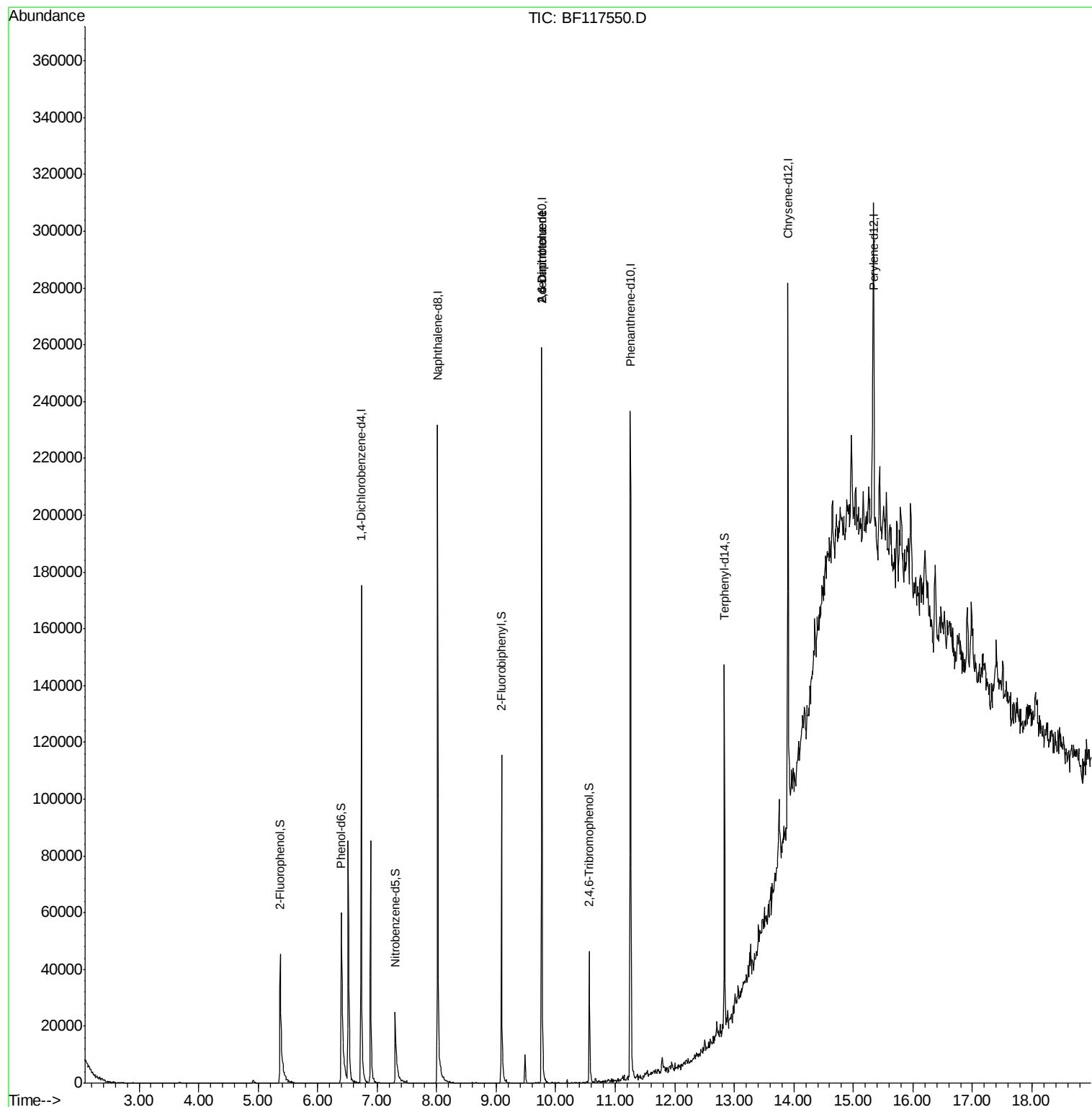
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	32906	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	134613	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	61626	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	94175	20.00	ng	0.00
76) Chrysene-d12	13.90	240	65215	20.00	ng	0.00
87) Perylene-d12	15.34	264	52031	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	30782	13.92	ng	0.02
7) Phenol-d6	6.40	99	44907	15.12	ng	0.02
23) Nitrobenzene-d5	7.30	82	18834	6.91	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	6111	11.46	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	43735	10.00	ng	0.00
79) Terphenyl-d14	12.83	244	39093	9.78	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	641	Below Cal	#	76
51) 2,6-Dinitrotoluene	9.76	165	7692	8.390 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	7692	6.311 ng	#	12
77) Benzidine	12.83	184	669	Below Cal	#	56

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.73 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Instrument :

BNA_F

ClientSampleId :

804-00-(0-1.8)

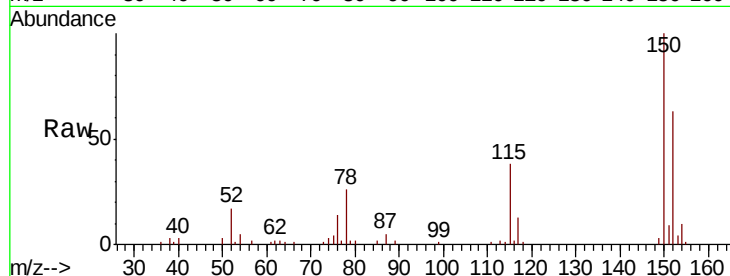
Tot Ion:152 Resp: 32906

Ion Ratio Lower Upper

152 100

150 157.7 126.8 190.2

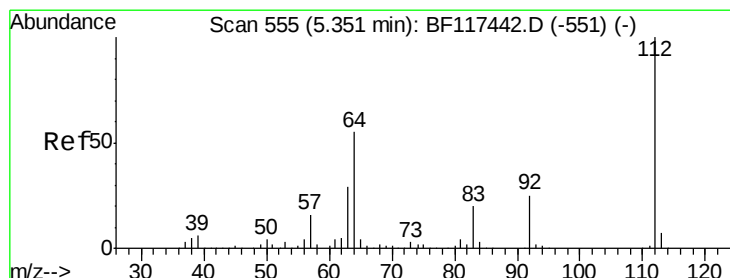
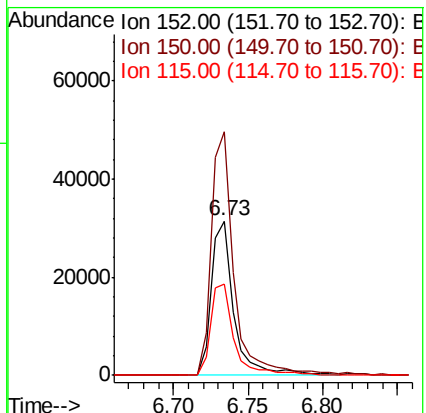
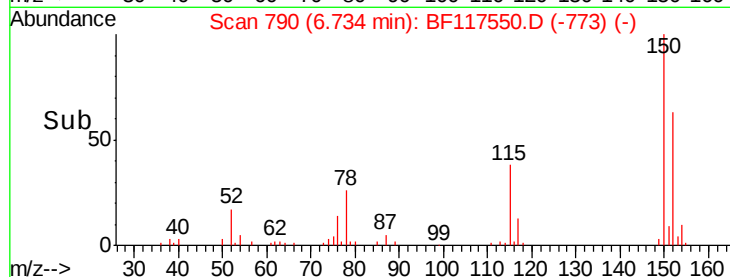
115 59.4 51.6 77.4



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



#5

2-Fluorophenol

Concen: 13.917 ng

RT: 5.37 min Scan# 558

Delta R.T. 0.02 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

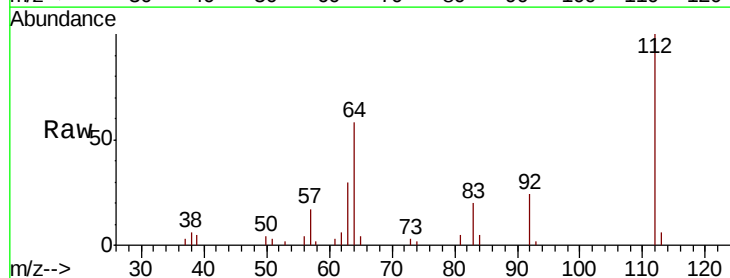
Tgt Ion:112 Resp: 30782

Ion Ratio Lower Upper

112 100

64 57.8 44.1 66.1

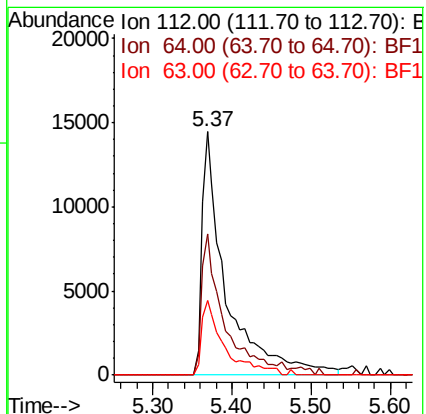
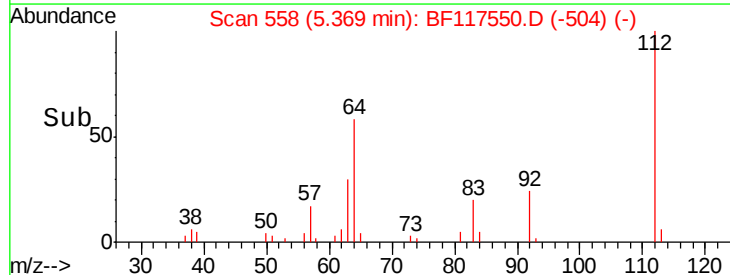
63 30.5 23.4 35.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 15.116 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.02 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Instrument :

BNA_F

ClientSampleId :

804-00-(0-1.8)

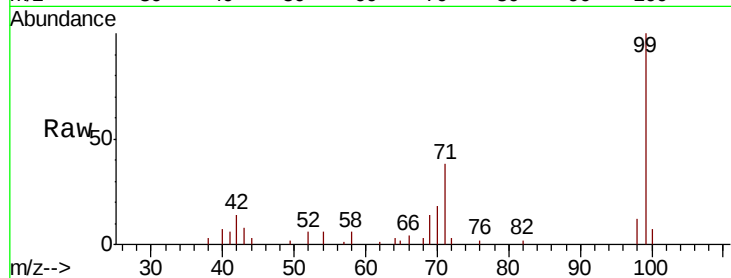
Tot Ion: 99 Resp: 44907

Ion Ratio Lower Upper

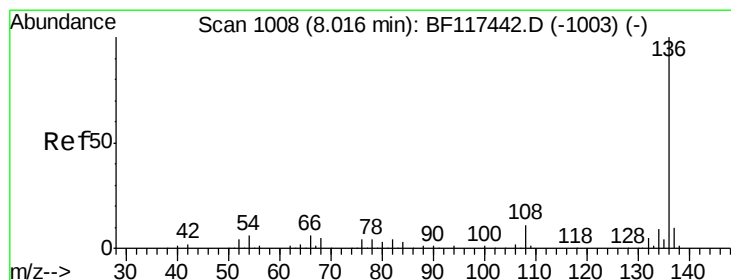
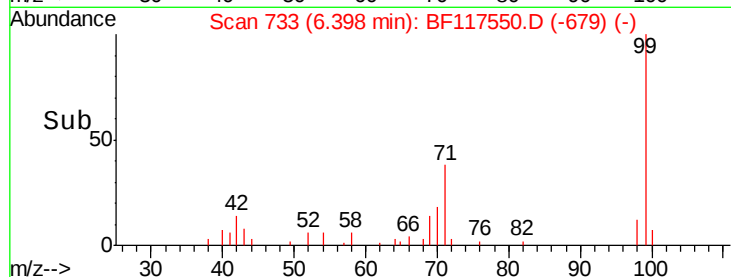
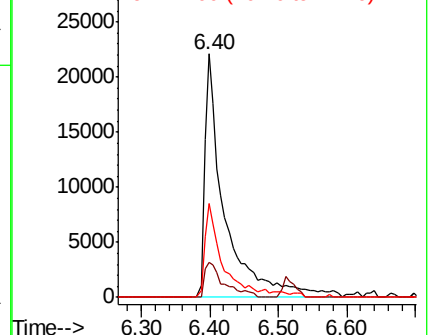
99 100

42 14.3 12.8 19.2

71 38.5 28.6 43.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Tgt Ion: 136 Resp: 134613

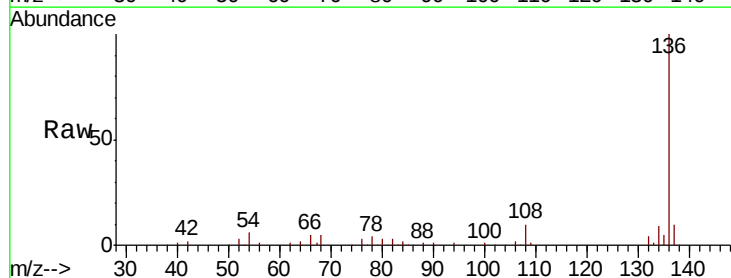
Ion Ratio Lower Upper

136 100

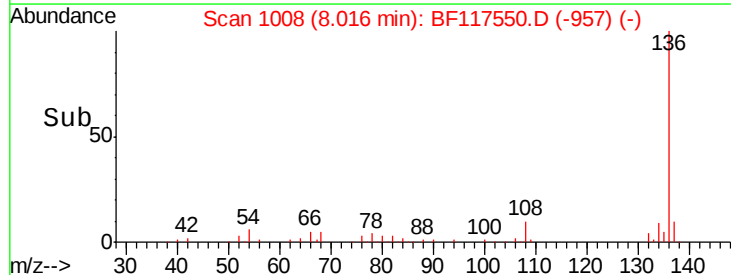
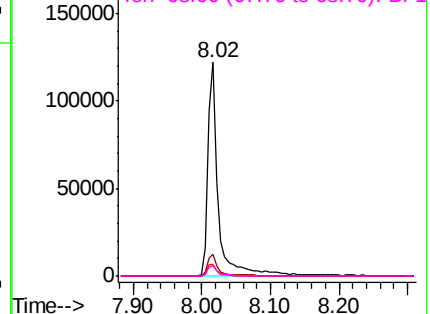
137 10.5 8.2 12.4

54 5.7 4.5 6.7

68 4.8 4.3 6.5



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): BF1
Ion 68.00 (67.70 to 68.70): BF1

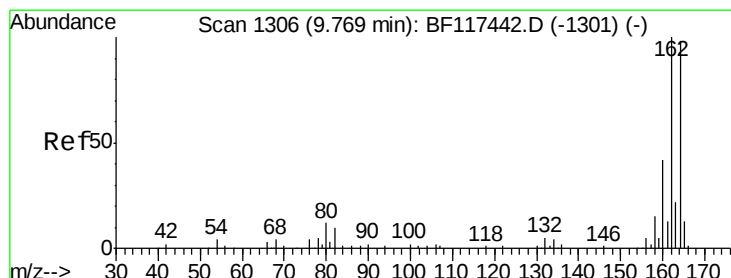
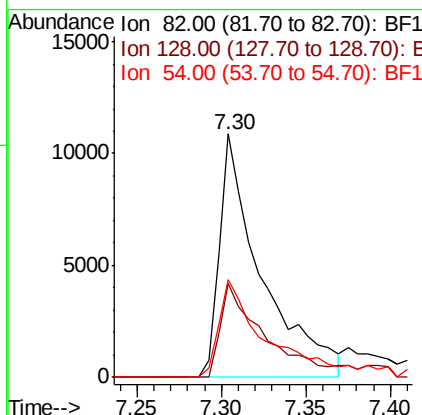
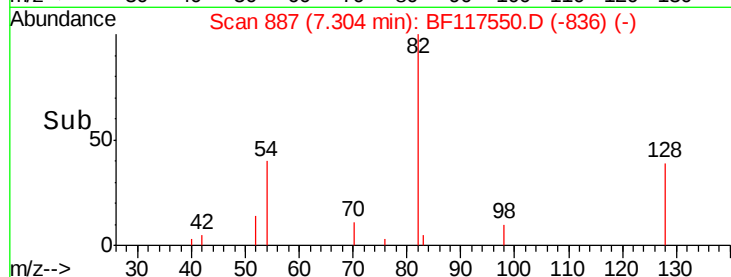
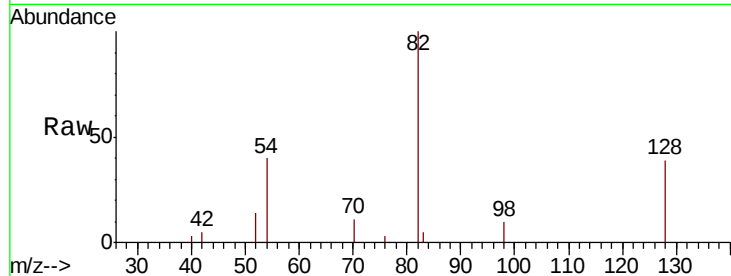




#23
 Nitrobenzene-d5
 Concen: 6.907 ng
 RT: 7.30 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: BF117550.D
 Acq: 25 Oct 2019 21:34

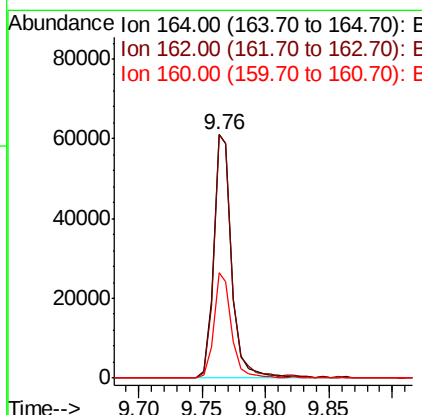
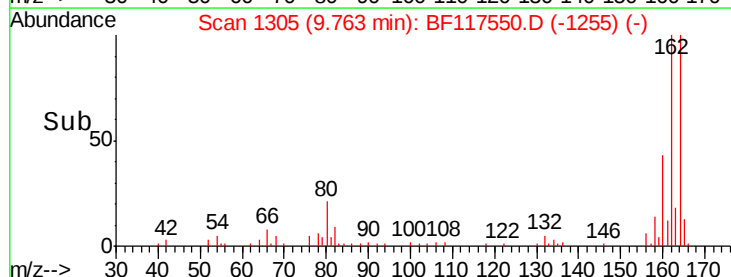
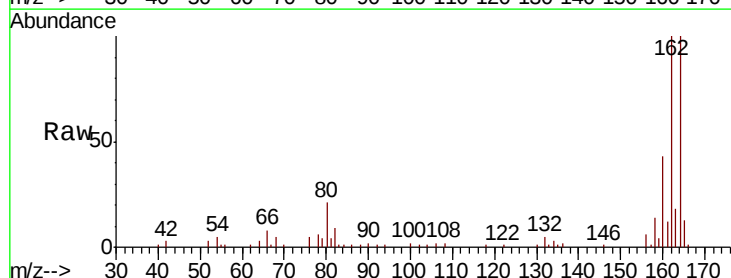
Instrument :
 BNA_F
 ClientSampleId :
 804-00-(0-1.8)

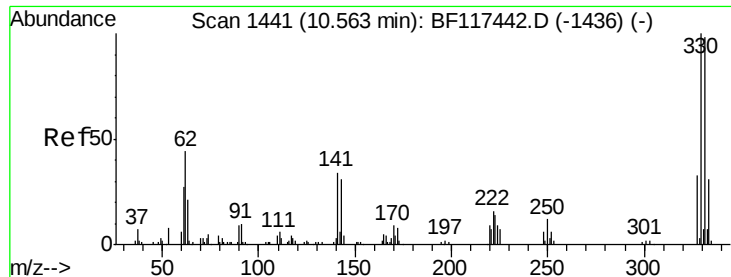
Tot Ion	82	Resp	18834
Ion Ratio	Lower	Upper	
82	100		
128	38.7	32.2	48.2
54	40.4	34.2	51.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117550.D
 Acq: 25 Oct 2019 21:34

Tgt Ion	164	Resp	61626
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.8	122.6
160	43.0	34.4	51.6

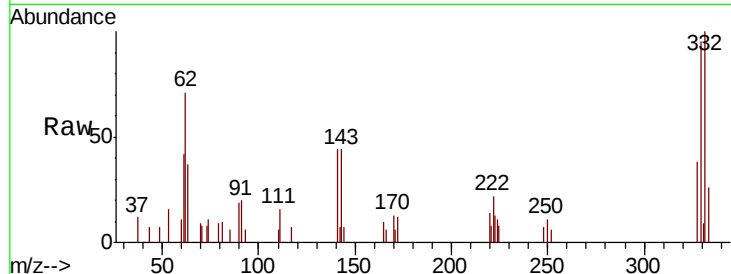




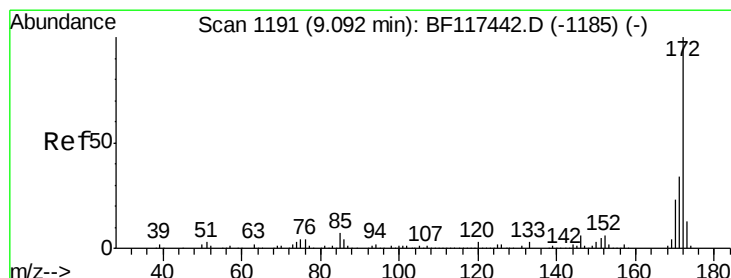
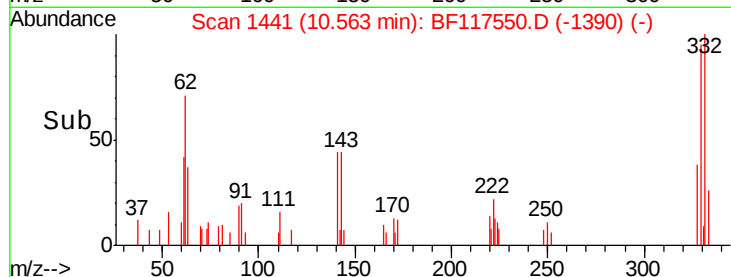
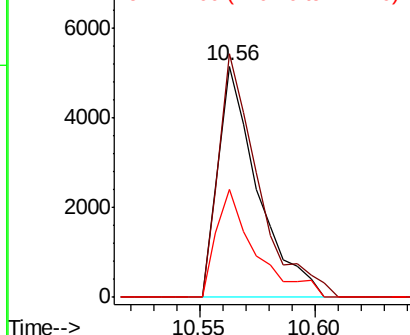
#42
 2,4,6-Tribromophenol
 Concen: 11.460 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: BF117550.D
 Acq: 25 Oct 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :
 804-00-(0-1.8)

Tot Ion:330 Resp: 6111
 Ion Ratio Lower Upper
 330 100
 332 105.8 78.5 117.7
 141 46.3 37.0 55.6

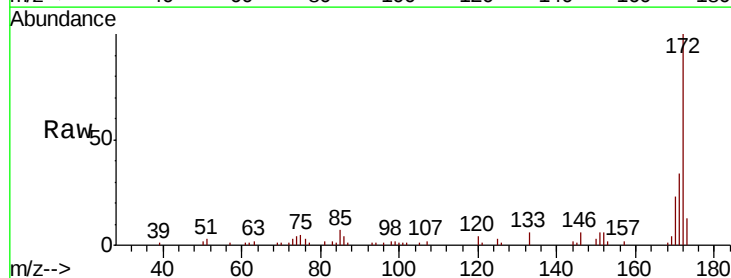


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

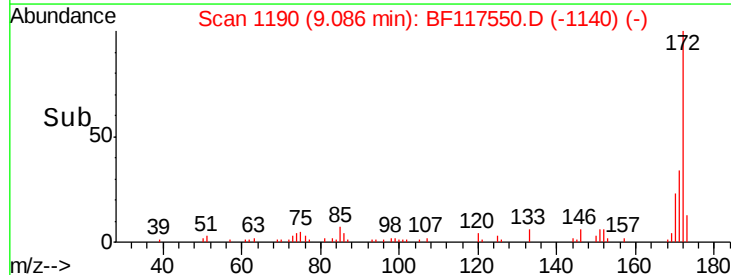
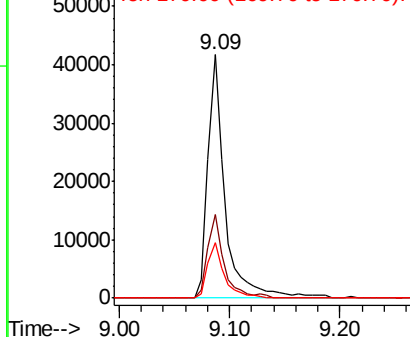


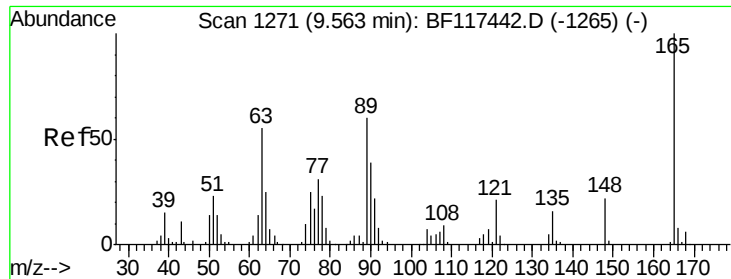
#45
 2-Fluorobiphenyl
 Concen: 9.999 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117550.D
 Acq: 25 Oct 2019 21:34

Tgt Ion:172 Resp: 43735
 Ion Ratio Lower Upper
 172 100
 171 34.4 27.5 41.3
 170 22.7 18.6 27.8



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





#51

2,6-Dinitrotoluene

Concen: 8.390 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Instrument :

BNA_F

ClientSampleId :

804-00-(0-1.8)

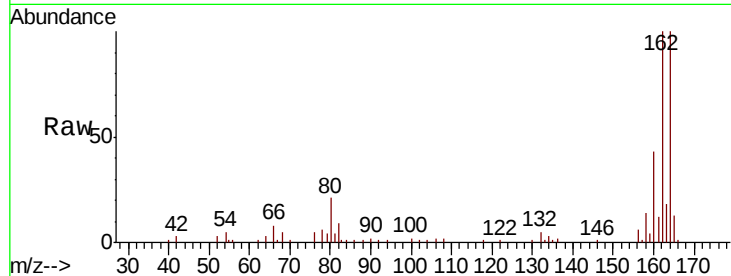
Tot Ion:165 Resp: 7692

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

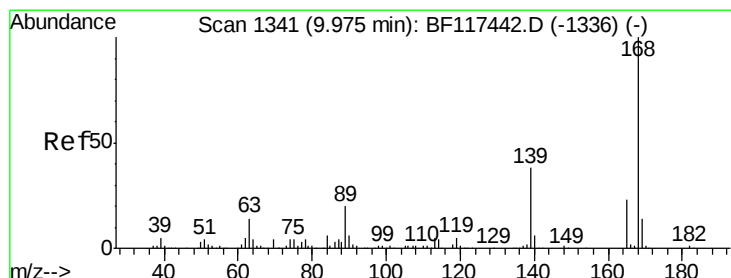
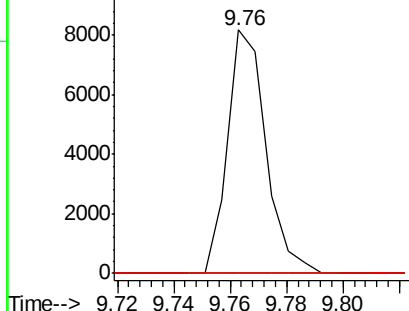
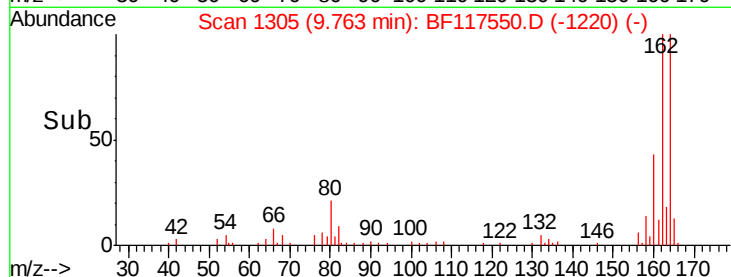
89 0.0 47.6 71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.311 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Tgt Ion:165 Resp: 7692

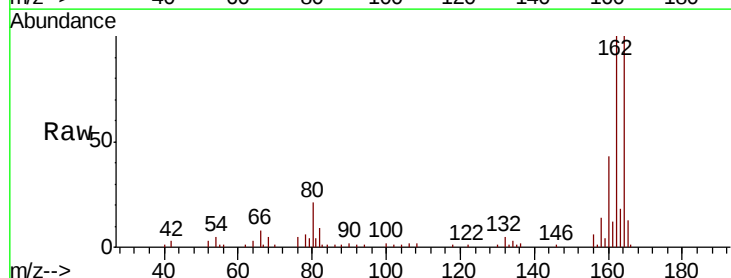
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

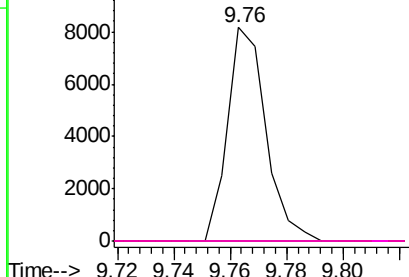
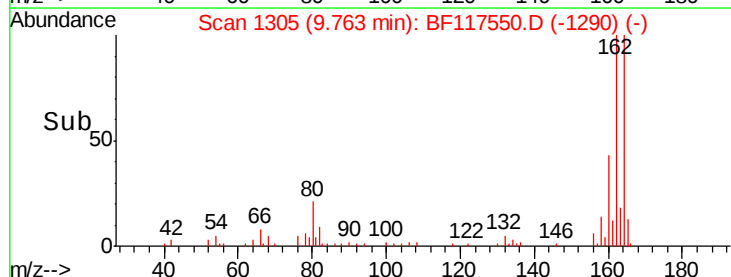


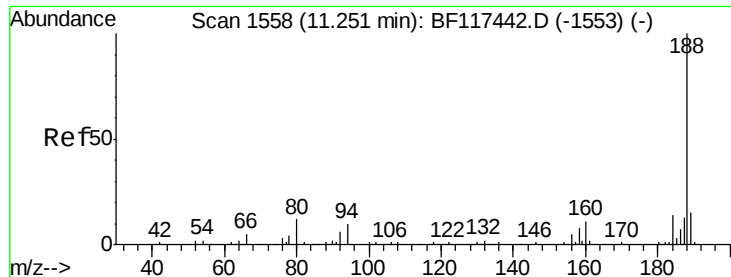
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Instrument :

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ClientSampleId :

804-00-(0-1.8)

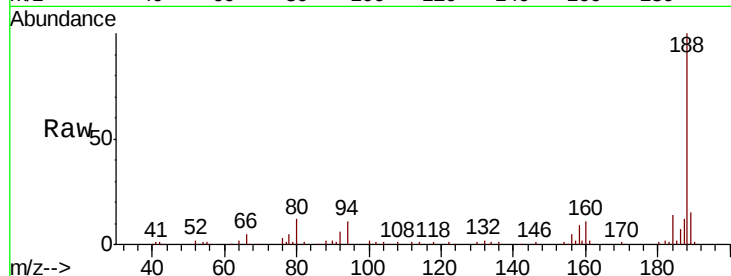
Tot Ion:188 Resp: 94175

Ion Ratio Lower Upper

188 100

94 11.2 8.0 12.0

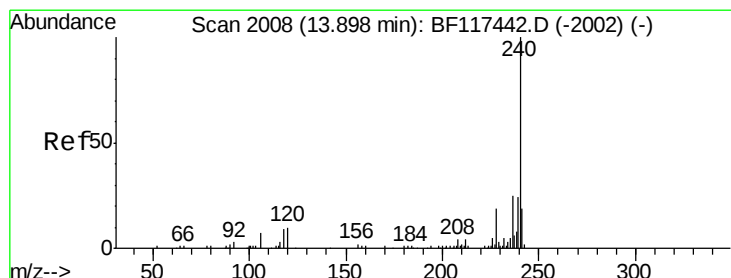
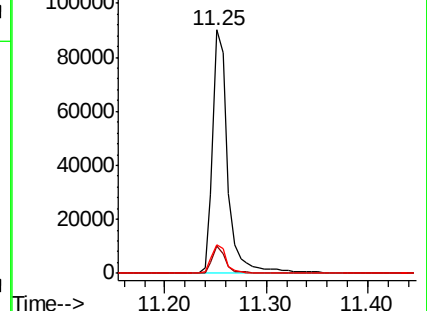
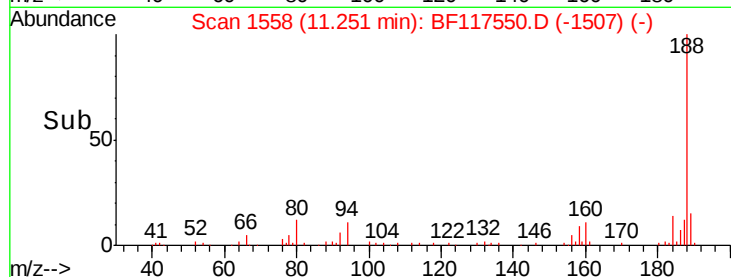
80 12.0 9.5 14.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

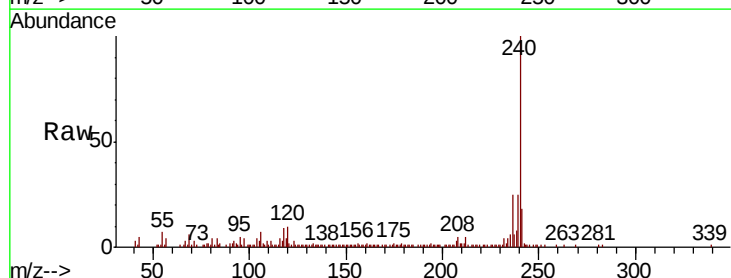
Tgt Ion:240 Resp: 65215

Ion Ratio Lower Upper

240 100

120 10.3 8.4 12.6

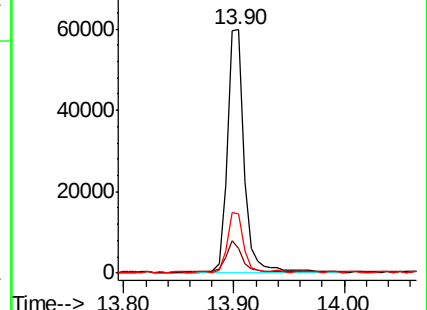
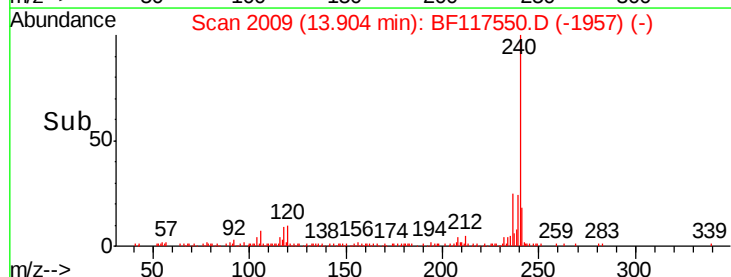
236 24.5 20.0 30.0

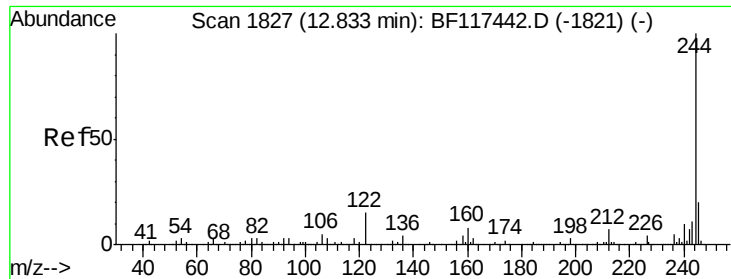


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 9.778 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

Instrument :

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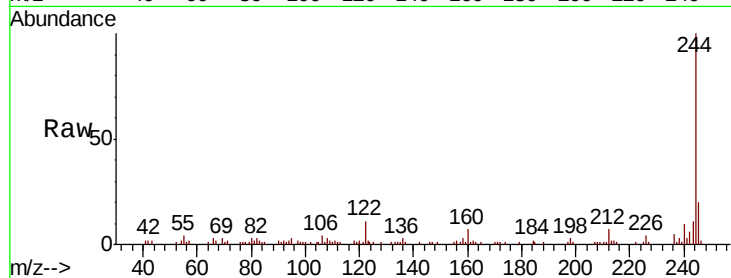
Tot Ion:244 Resp: 39093

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

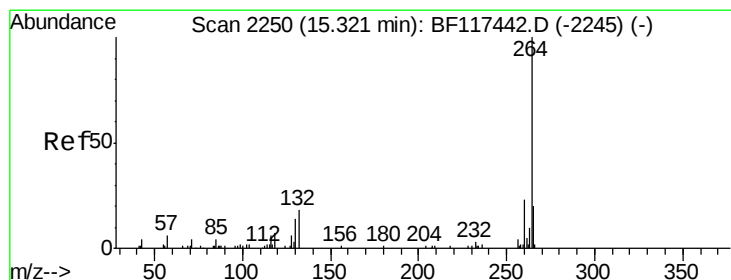
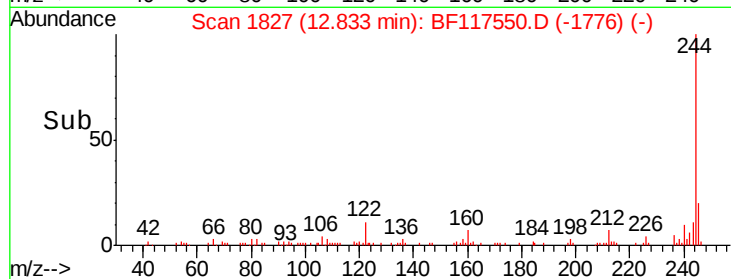
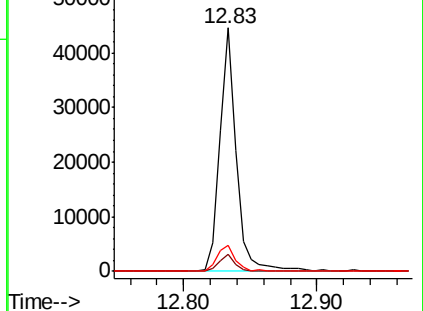
122 10.8 11.8 17.8#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF117550.D

Acq: 25 Oct 2019 21:34

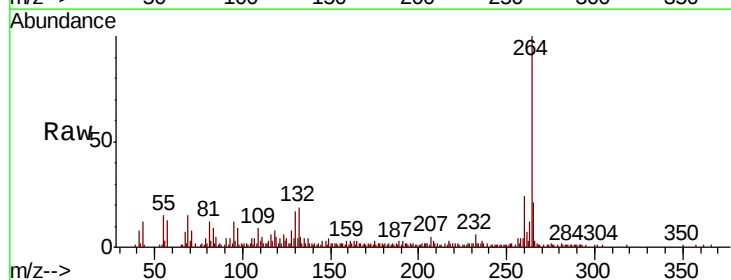
Tgt Ion:264 Resp: 52031

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 21.3 16.1 24.1



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

