

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117314.D
 Acq On : 2 Oct 2019 21:50
 Operator : JU
 Sample : K5095-05 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:33:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	21827	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	91173	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	48133	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	79893	20.00	ng	0.00
76) Chrysene-d12	13.97	240	57265	20.00	ng	0.00
87) Perylene-d12	15.43	264	52276	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	20969	15.00	ng	0.00
7) Phenol-d6	6.46	99	22212	12.29	ng	0.00
23) Nitrobenzene-d5	7.37	82	24320	14.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	10290	25.58	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	51387	16.69	ng	-0.01
79) Terphenyl-d14	12.91	244	60372	19.71	ng	0.00

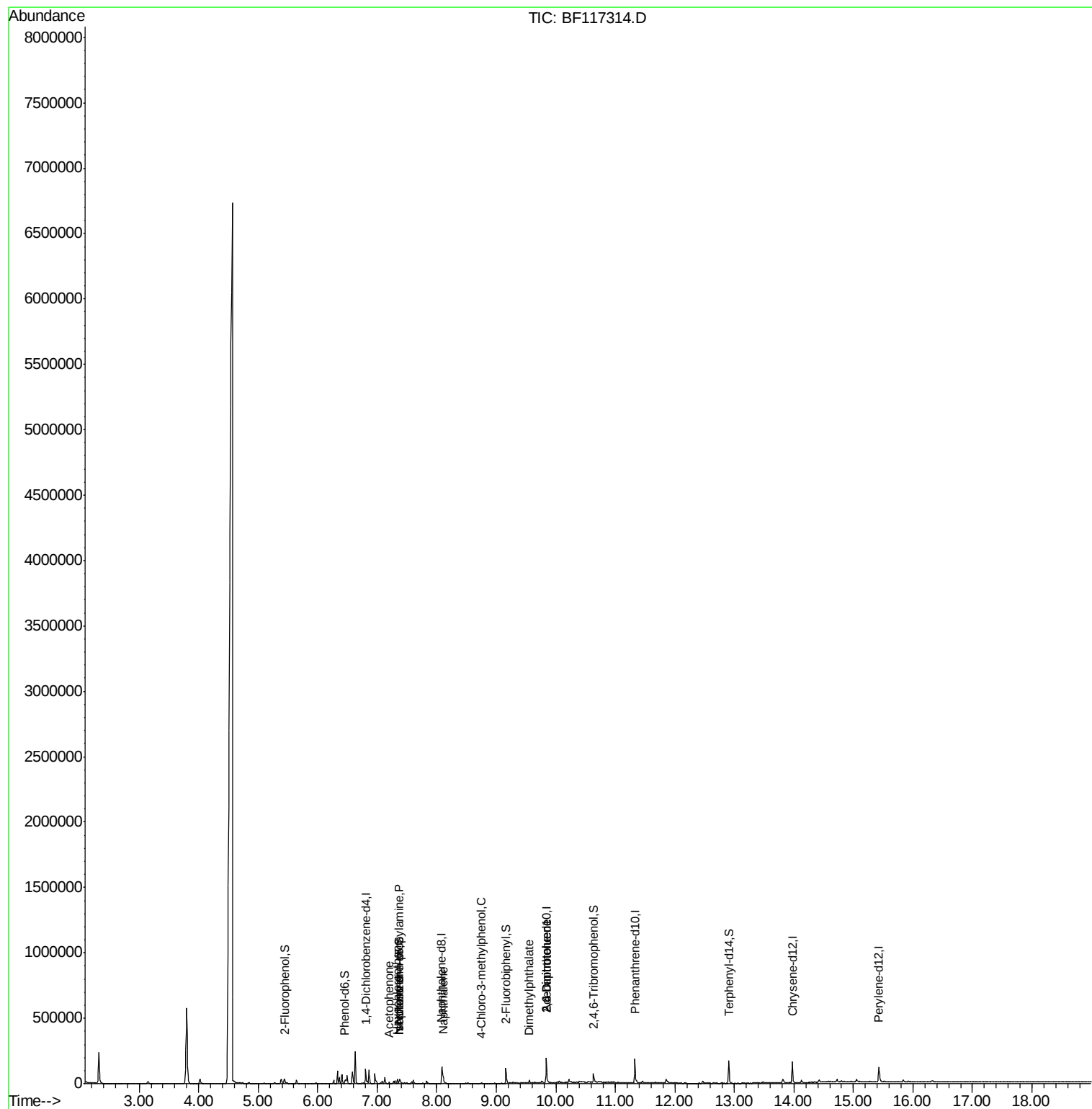
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	2244	Below Cal		# 1
18) Hexachloroethane	7.34	117	1777	2.674	ng	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	2553	2.320	ng	# 81
22) Acetophenone	7.20	105	7674	3.313	ng	# 54
25) Isophorone	7.37	82	24320	7.916	ng	# 66
31) Naphthalene	8.11	128	10894	2.484	ng	# 100
36) 4-Chloro-3-methylphenol	8.75	107	3117	2.186	ng	# 22
50) Dimethylphthalate	9.56	163	9517	2.793	ng	# 95
51) 2,6-Dinitrotoluene	9.85	165	6097	8.784	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	6097	6.767	ng	# 18

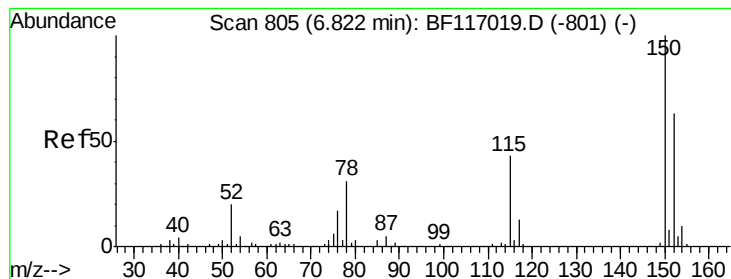
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 03 01:33:19 2019
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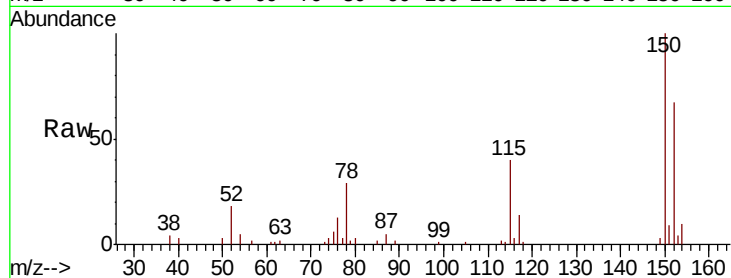


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	152	Resp	21827
Ion Ratio	100	Lower	Upper
150	149.2	127.5	191.3
115	59.7	55.0	82.4

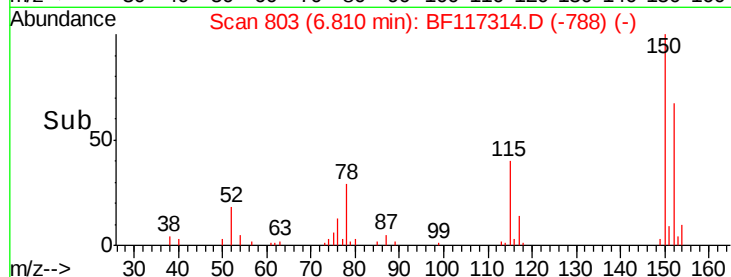
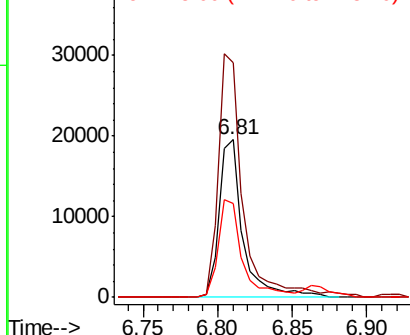


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

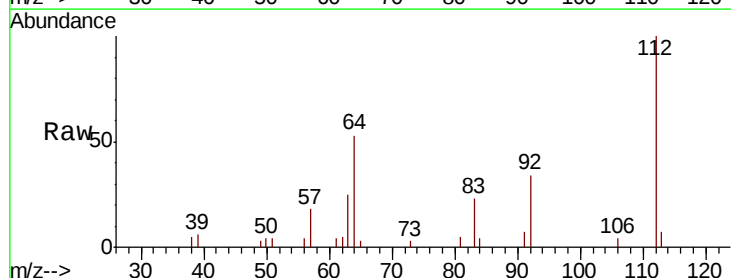
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.999 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.00 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Tgt Ion	112	Resp	20969
Ion Ratio	100	Lower	Upper
64	52.9	45.7	68.5
63	25.3	24.9	37.3

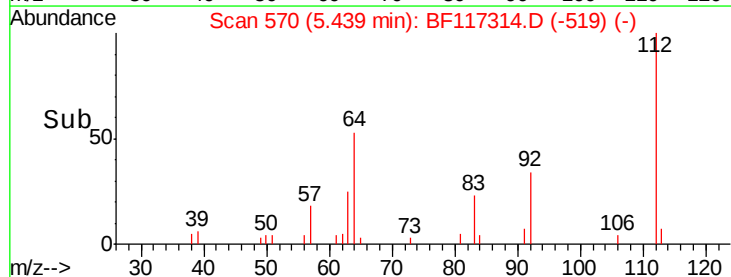
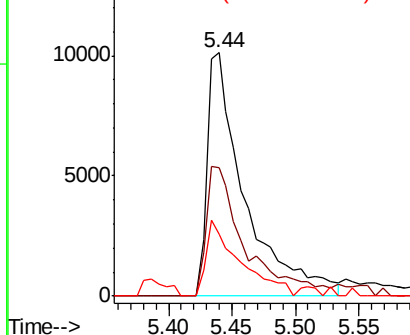


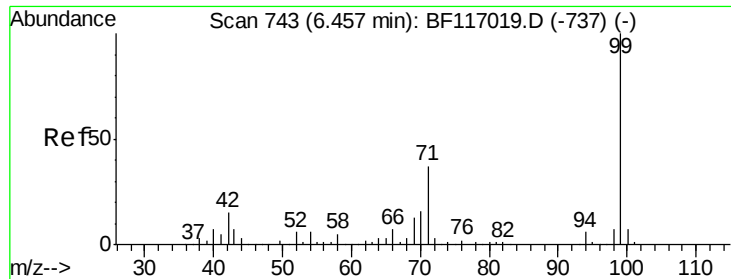
Abundance

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: 12.294 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

Instrument :

BNA_F

ClientSampleId :

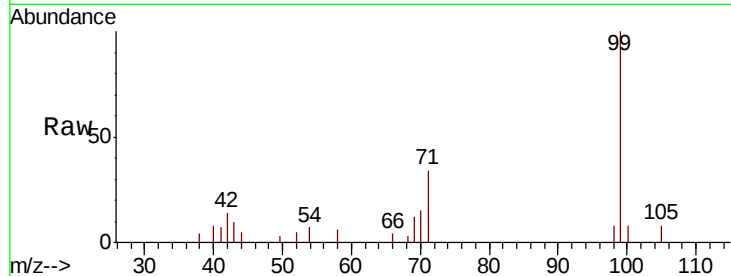
Tot Ion: 99 Resp: 22212

Ion Ratio Lower Upper

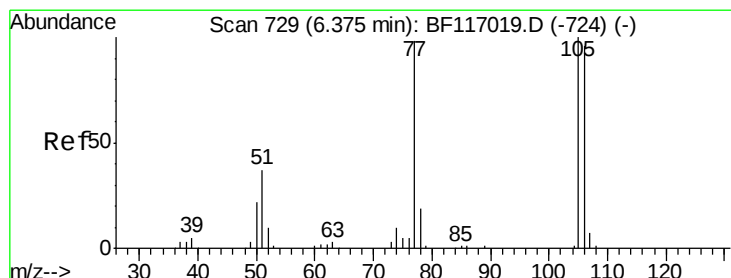
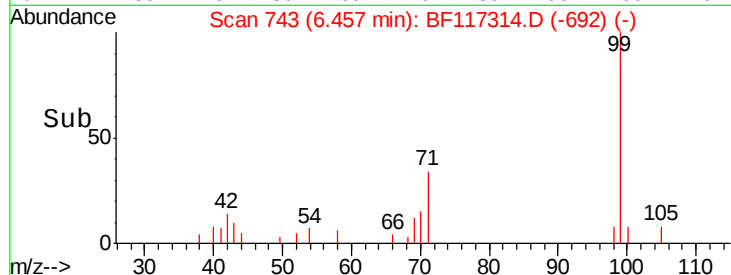
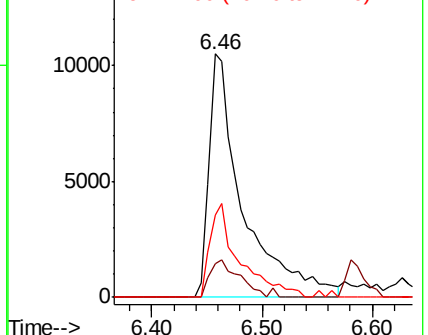
99 100

42 13.7 12.2 18.2

71 34.0 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

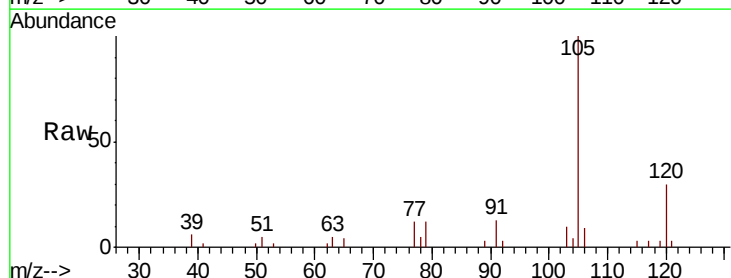
Tgt Ion: 77 Resp: 2244

Ion Ratio Lower Upper

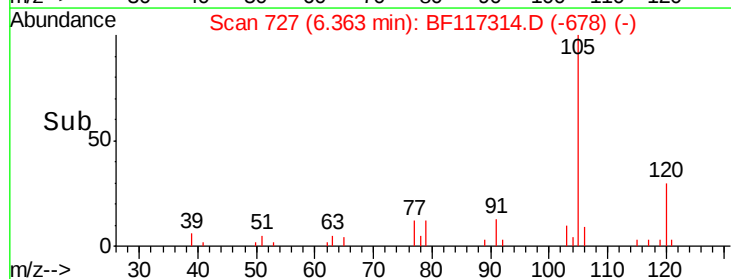
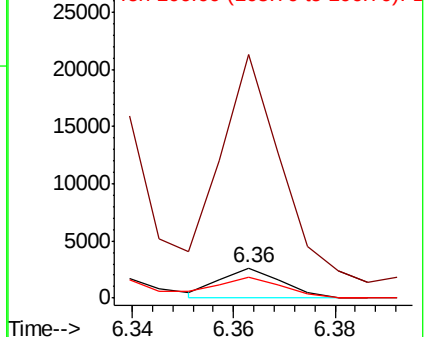
77 100

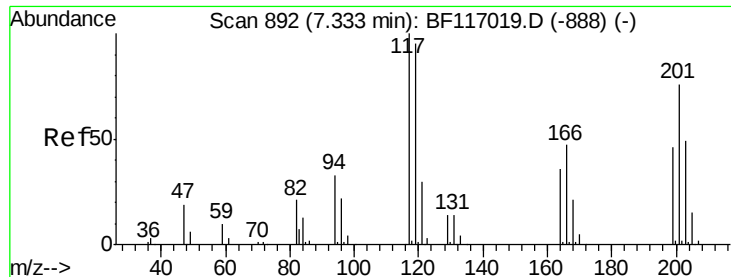
105 811.3 81.8 121.8#

106 69.2 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

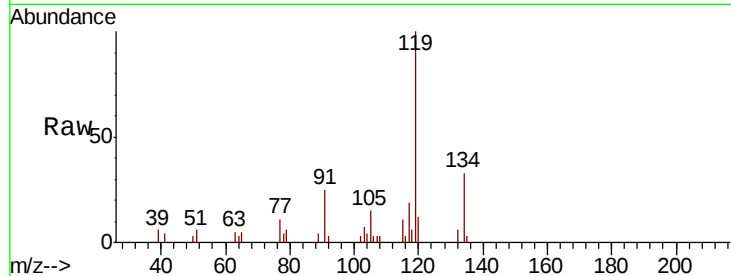




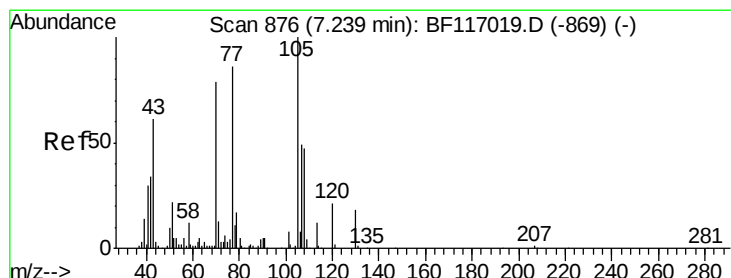
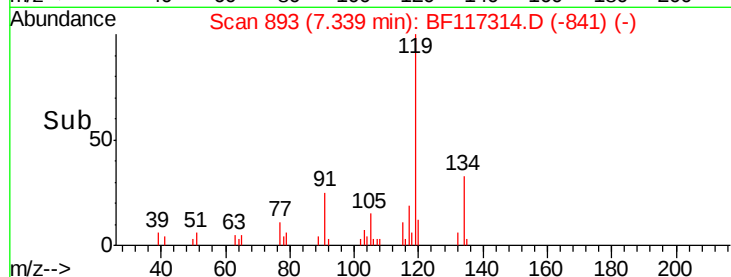
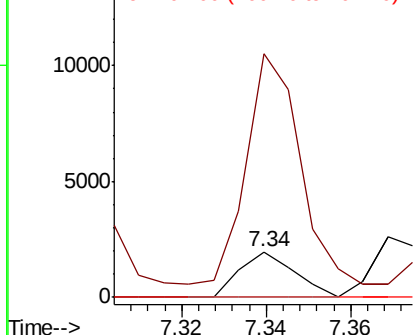
#18
Hexachloroethane
Concen: 2.674 ng
RT: 7.34 min Scan# 893
Delta R.T. 0.01 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:117 Resp: 1777
Ion Ratio Lower Upper
117 100
119 534.1 75.8 113.8#
201 0.0 60.9 91.3#

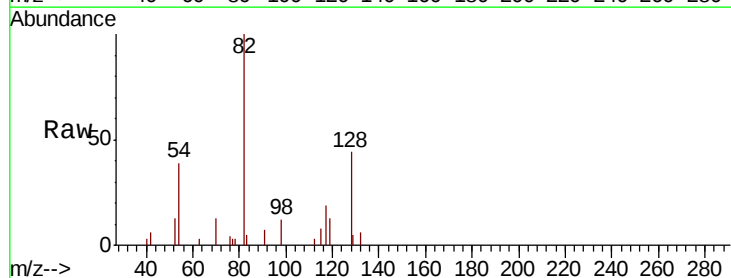


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

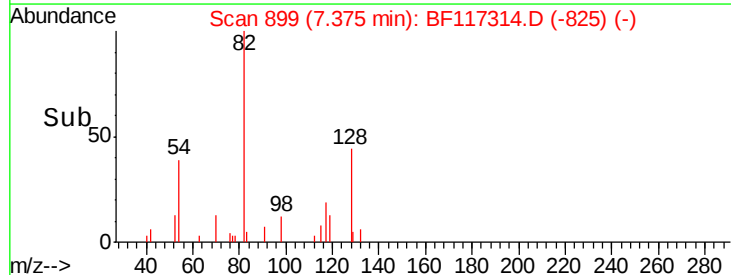
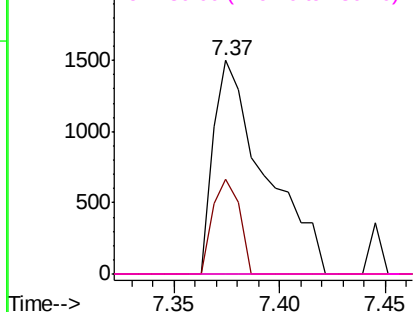


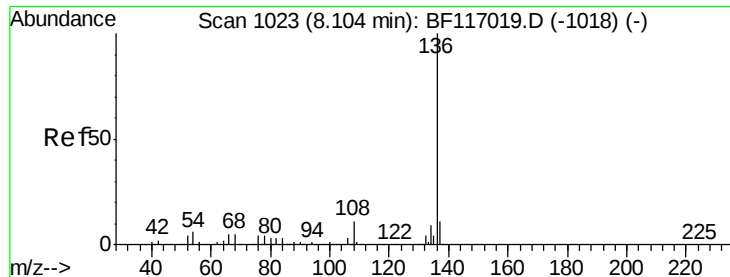
#19
n-Nitroso-di-n-propylamine
Concen: 2.320 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.14 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Tgt Ion: 70 Resp: 2553
Ion Ratio Lower Upper
70 100
42 44.3 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 91173

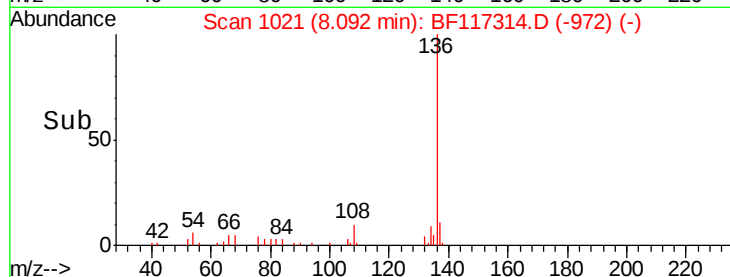
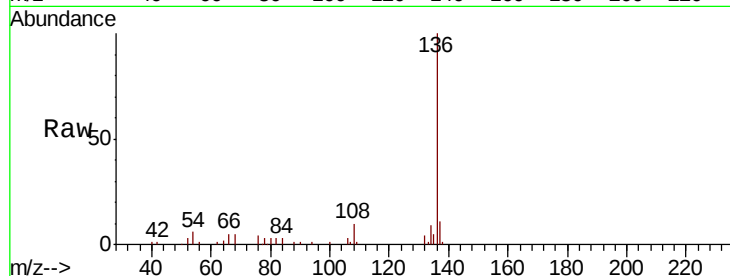
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 5.6 4.5 6.7

68 4.8 4.0 6.0

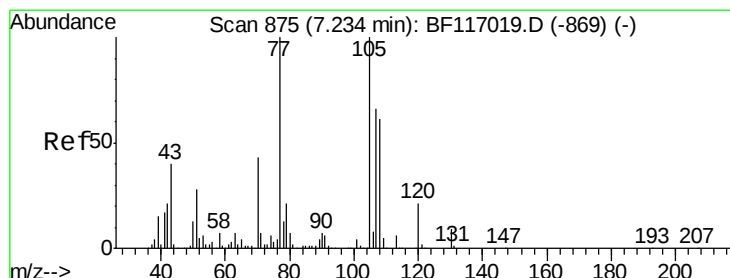
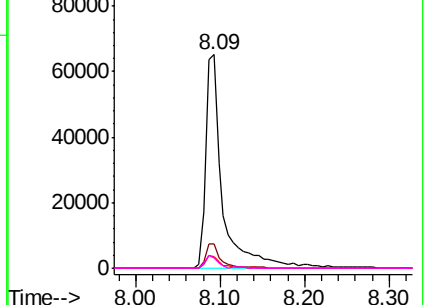


Abundance Ion 136.00 (135.70 to 136.70): E

100000 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



#22

Acetophenone

Concen: 3.313 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.04 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

Tgt Ion:105 Resp: 7674

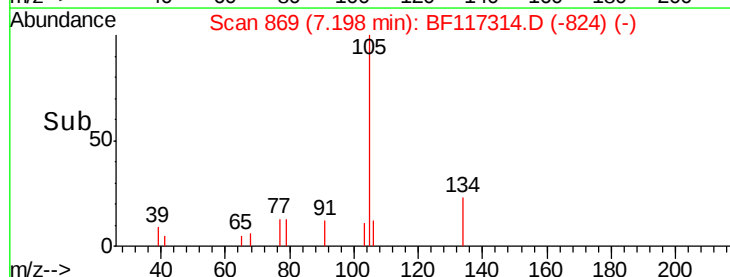
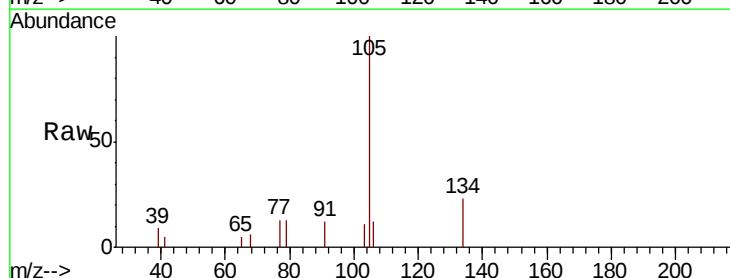
Ion Ratio Lower Upper

105 100

71 0.0 5.7 8.5#

51 0.0 22.1 33.1#

120 0.0 17.1 25.7#

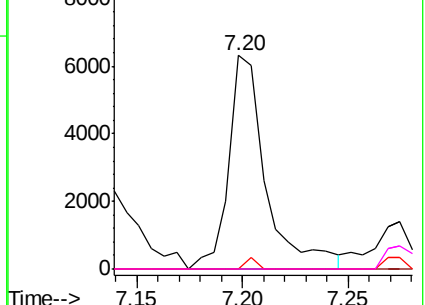


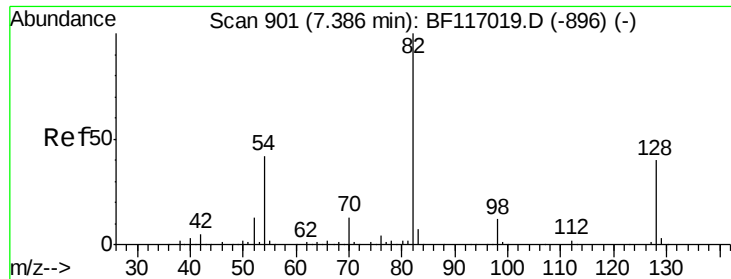
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

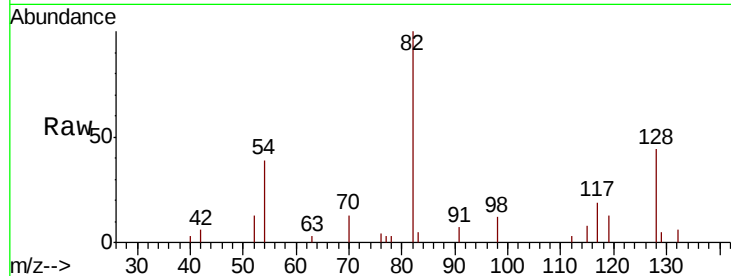




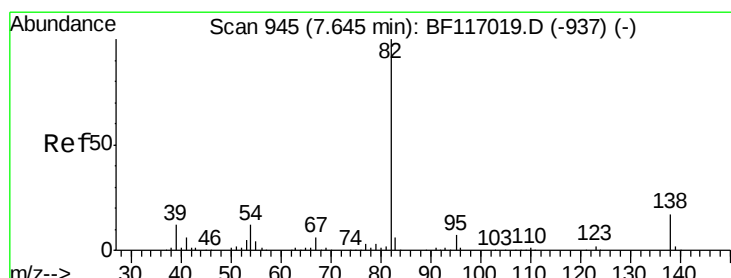
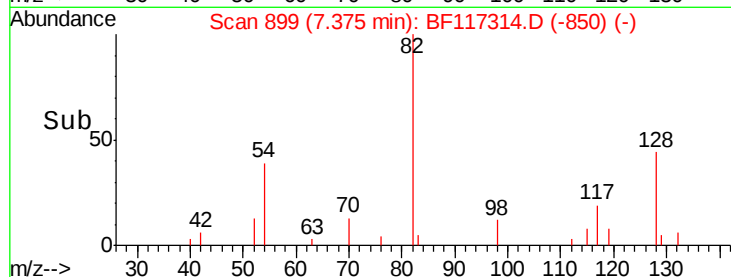
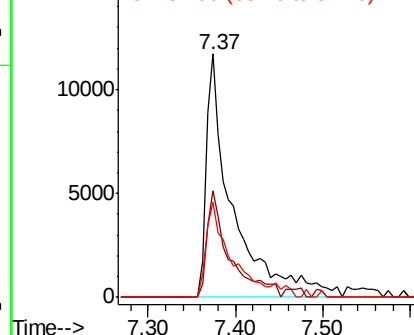
#23
Nitrobenzene-d5
Concen: 14.015 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.7	32.3	48.5
54	38.9	33.3	49.9

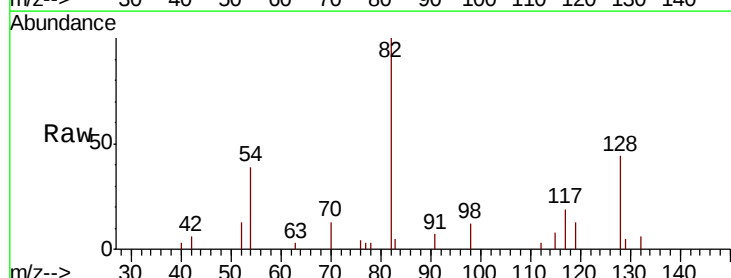


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

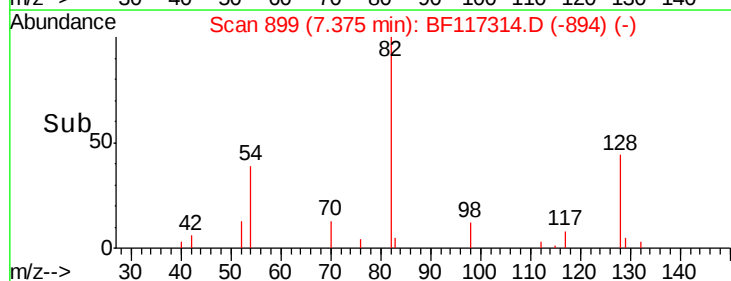
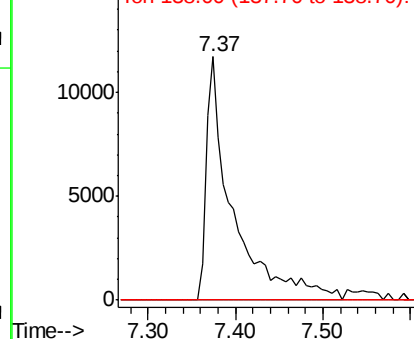


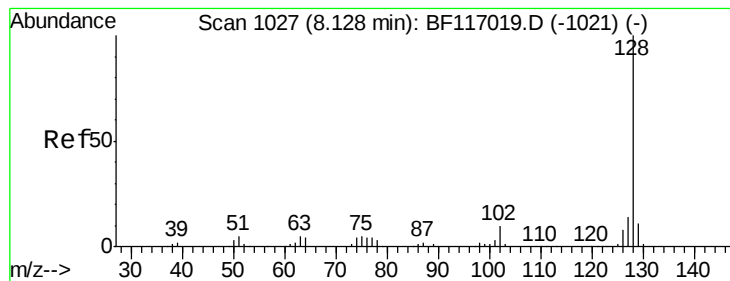
#25
Isophorone
Concen: 7.916 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.27 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 2.484 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

Instrument :

BNA_F

ClientSampleId :

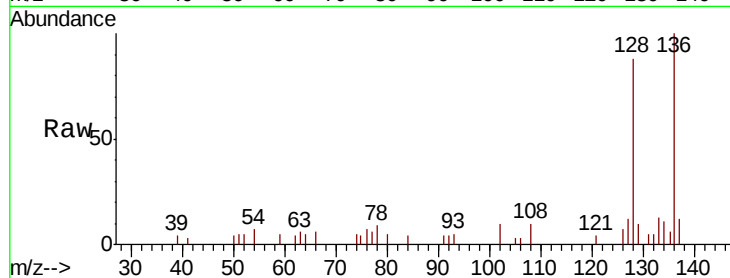
Tot Ion:128 Resp: 10894

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

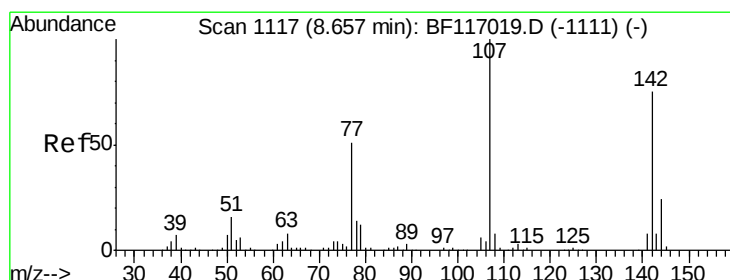
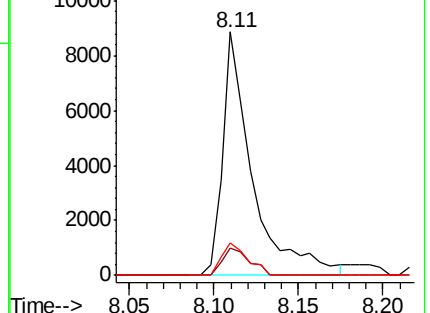
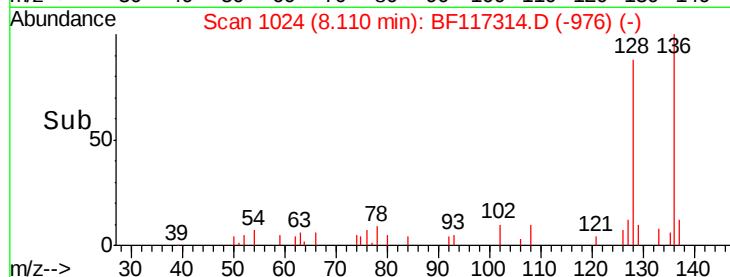
127 13.6 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#36

4-Chloro-3-methylphenol

Concen: 2.186 ng

RT: 8.75 min Scan# 1132

Delta R.T. 0.09 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

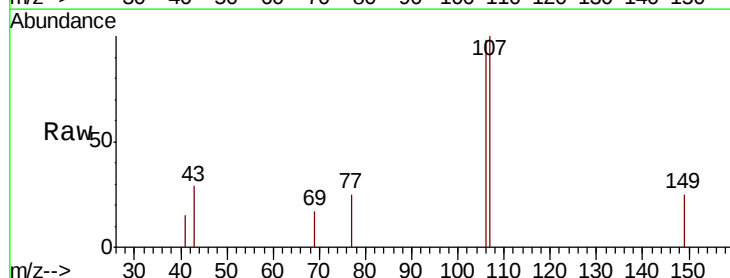
Tgt Ion:107 Resp: 3117

Ion Ratio Lower Upper

107 100

144 0.0 19.2 28.8#

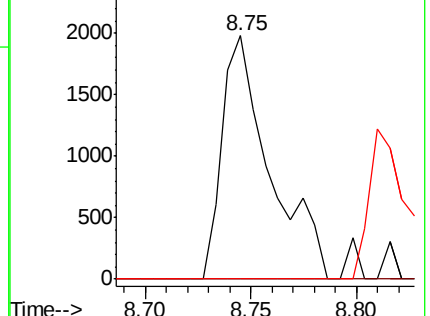
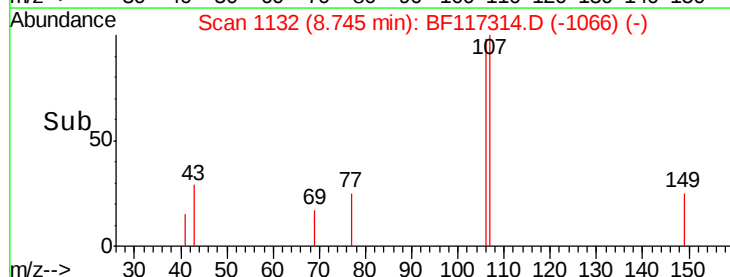
142 0.0 59.6 89.4#

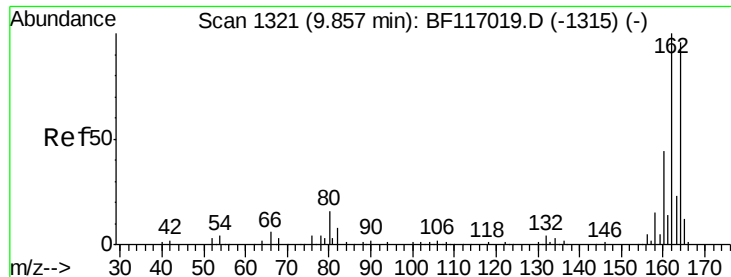


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

Instrument :

BNA_F

ClientSampled :

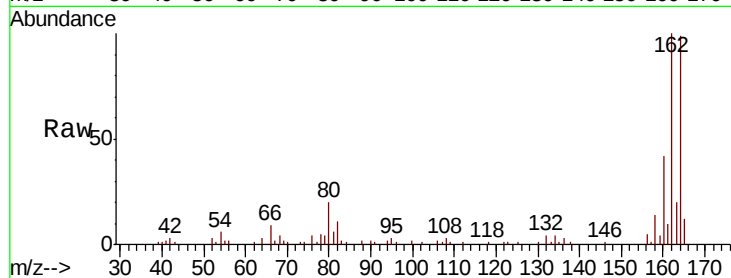
Tot Ion:164 Resp: 48133

Ion Ratio Lower Upper

164 100

162 100.5 83.4 125.2

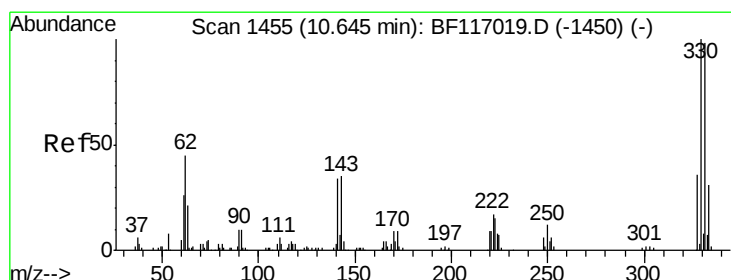
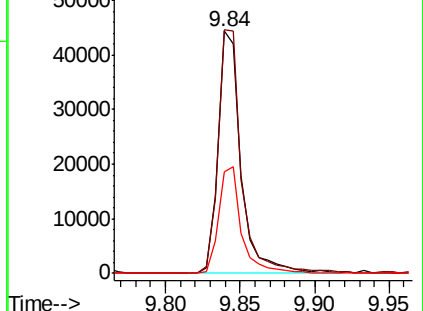
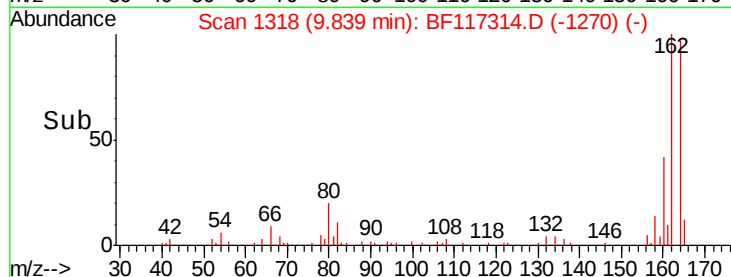
160 42.1 36.4 54.6



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



#42

2,4,6-Tribromophenol

Concen: 25.579 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

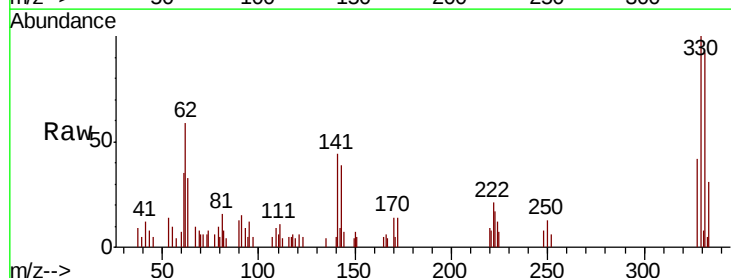
Tgt Ion:330 Resp: 10290

Ion Ratio Lower Upper

330 100

332 93.2 78.0 117.0

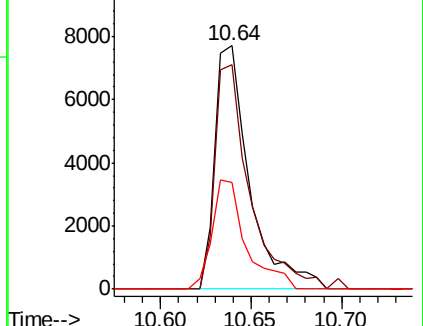
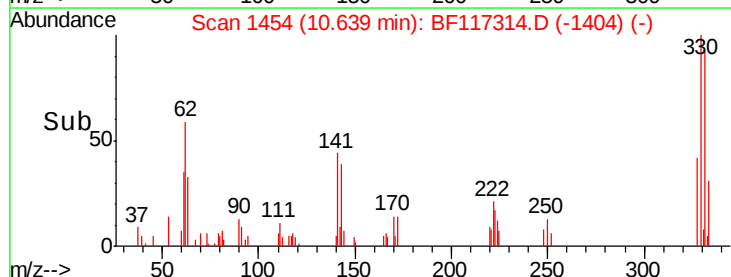
141 43.9 35.8 53.6

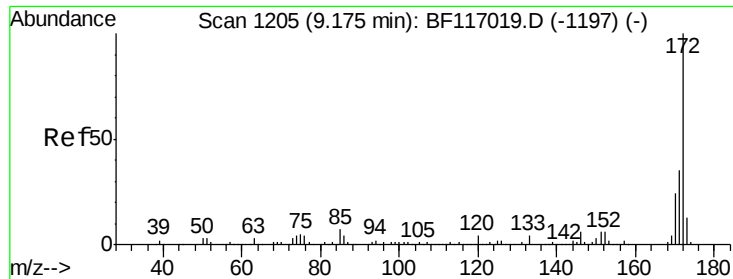


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

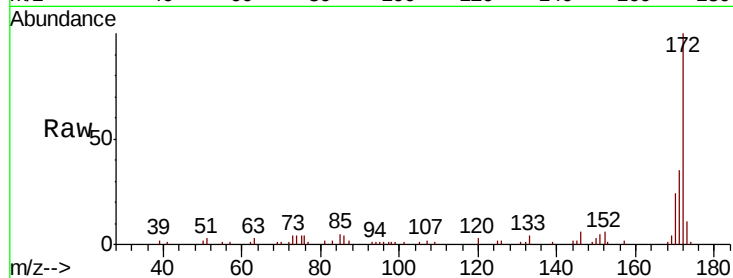




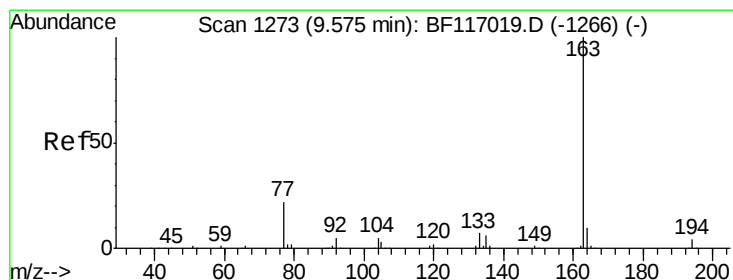
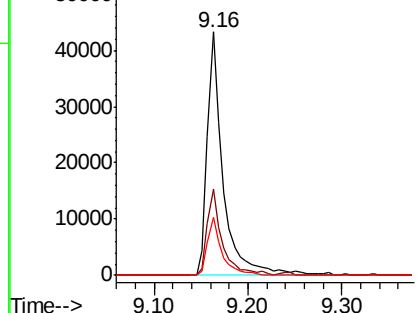
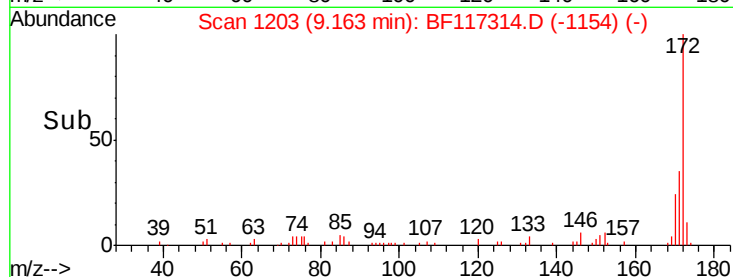
#45
2-Fluorobiphenyl
Concen: 16.693 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 51387
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.9 18.9 28.3

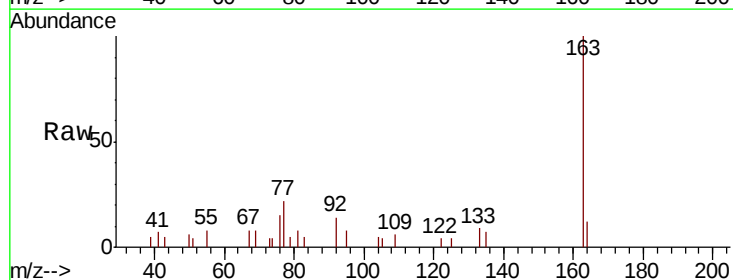


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

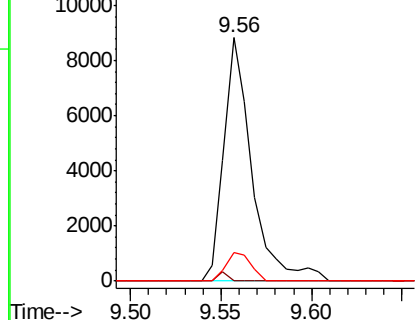
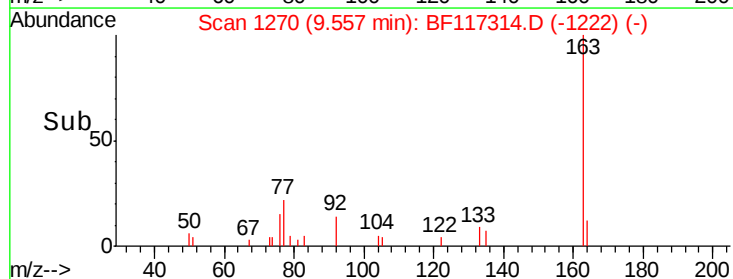


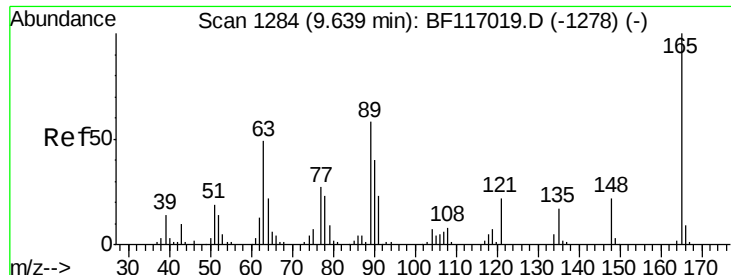
#50
Dimethylphthalate
Concen: 2.793 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Tgt Ion:163 Resp: 9517
Ion Ratio Lower Upper
163 100
194 0.0 2.9 4.3#
164 11.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

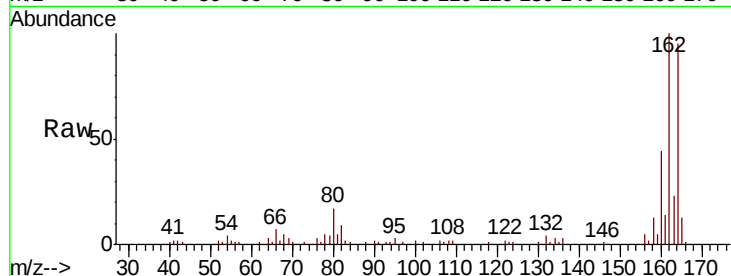




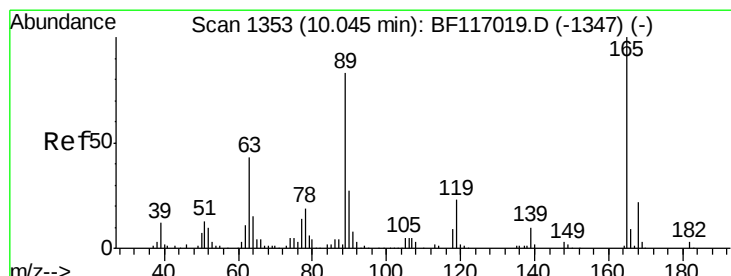
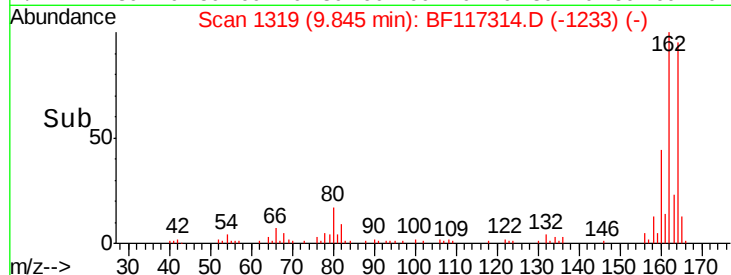
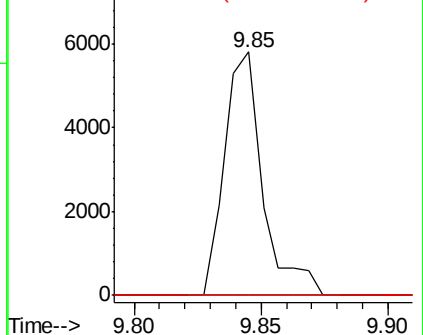
#51
 2,6-Dinitrotoluene
 Concen: 8.784 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF117314.D
 Acq: 2 Oct 2019 21:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#

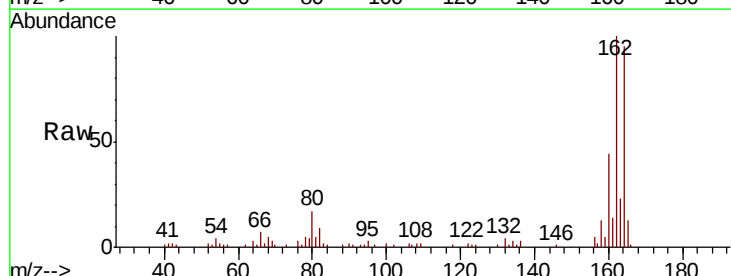


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

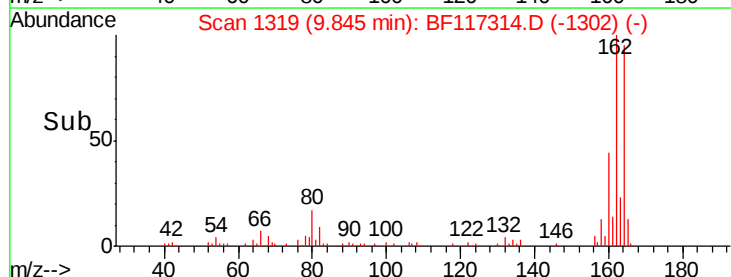
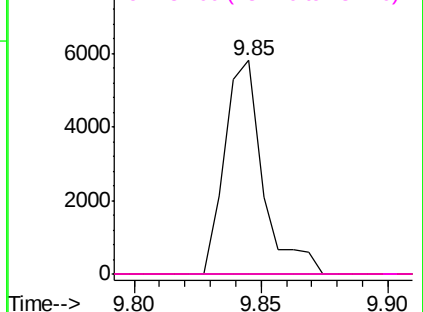


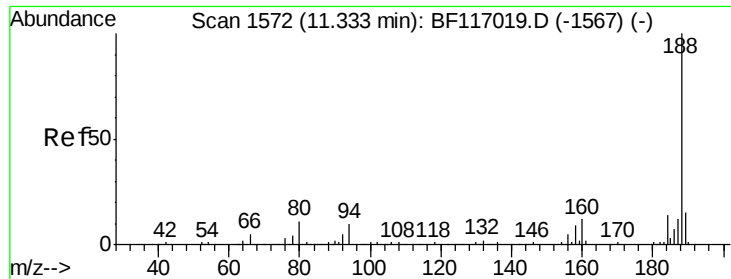
#57
 2,4-Dinitrotoluene
 Concen: 6.767 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF117314.D
 Acq: 2 Oct 2019 21:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



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

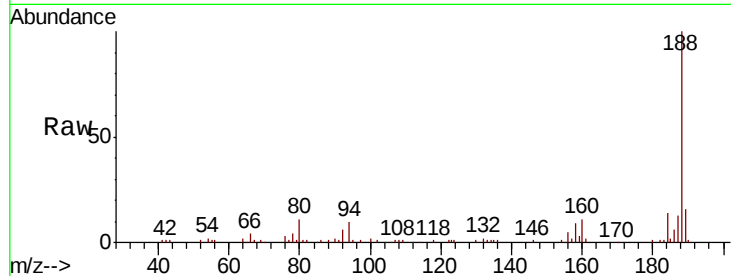




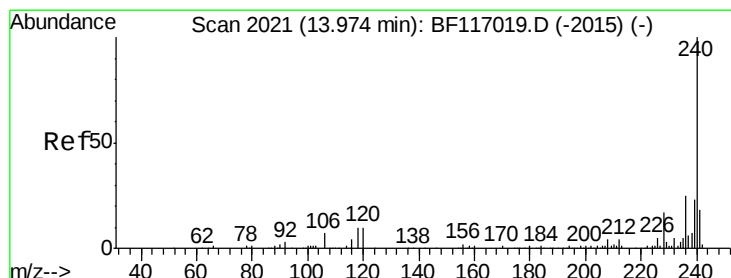
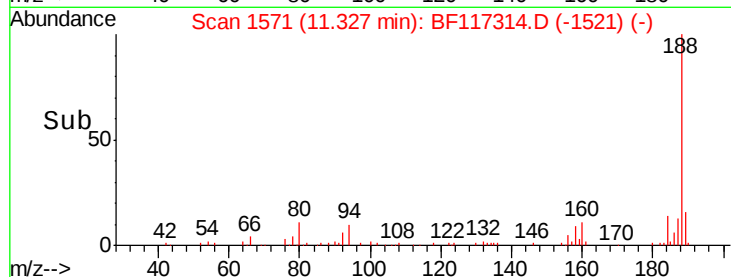
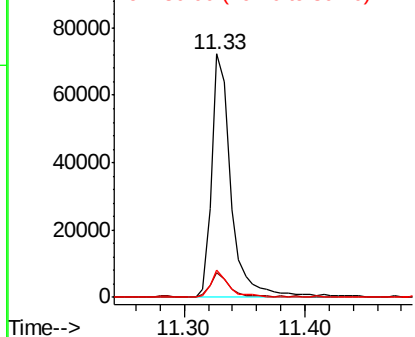
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 79893
Ion Ratio Lower Upper
188 100
94 10.4 8.2 12.2
80 11.3 9.0 13.6

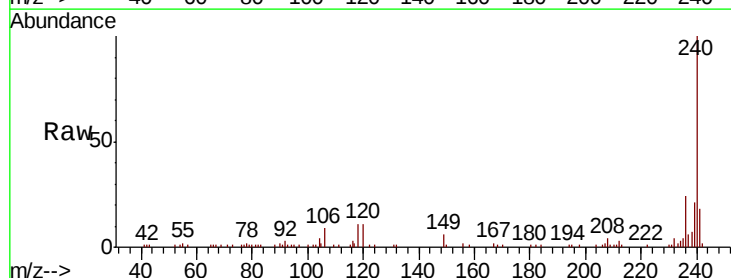


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

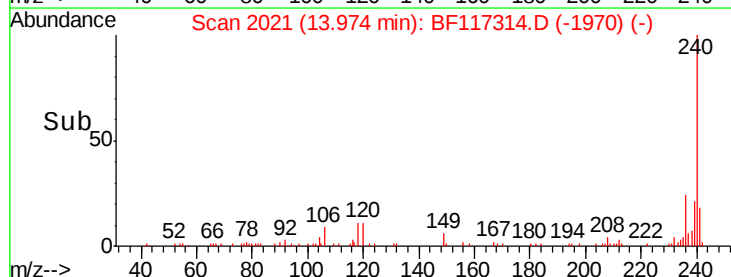
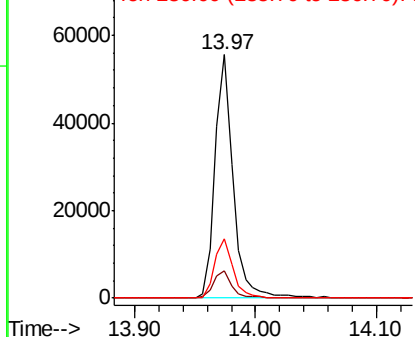


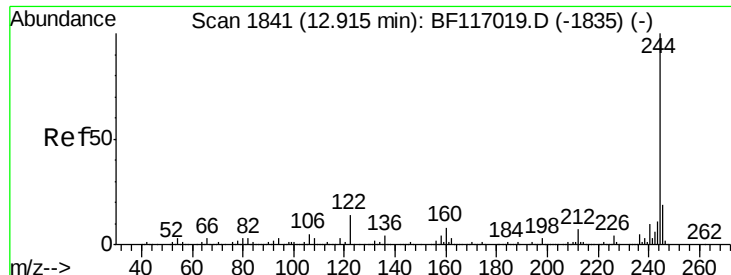
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF117314.D
Acq: 2 Oct 2019 21:50

Tgt Ion:240 Resp: 57265
Ion Ratio Lower Upper
240 100
120 11.1 8.3 12.5
236 24.5 20.3 30.5



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: 19.706 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

Instrument :

BNA_F

ClientSampleId :

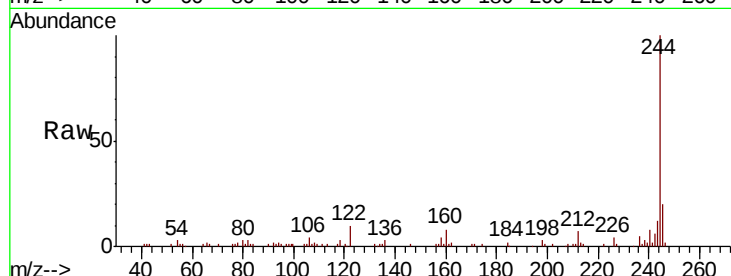
Tot Ion:244 Resp: 60372

Ion Ratio Lower Upper

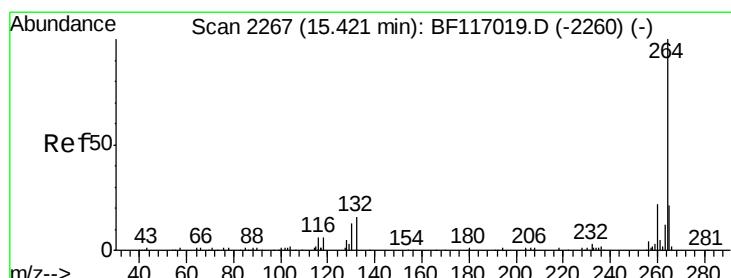
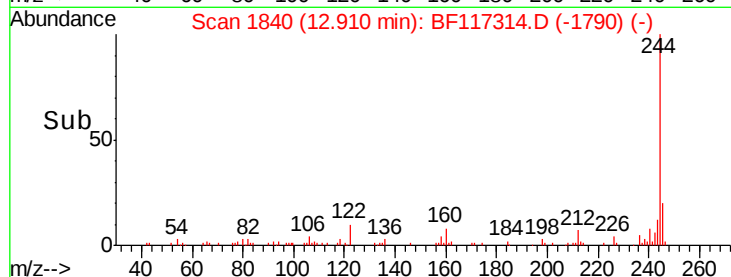
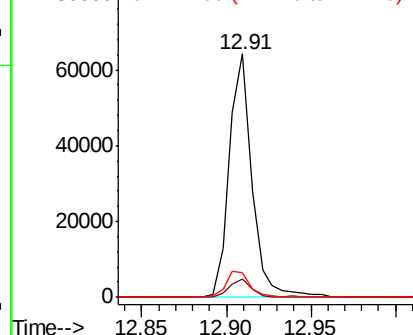
244 100

212 7.4 5.8 8.8

122 10.3 11.3 16.9#



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: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF117314.D

Acq: 2 Oct 2019 21:50

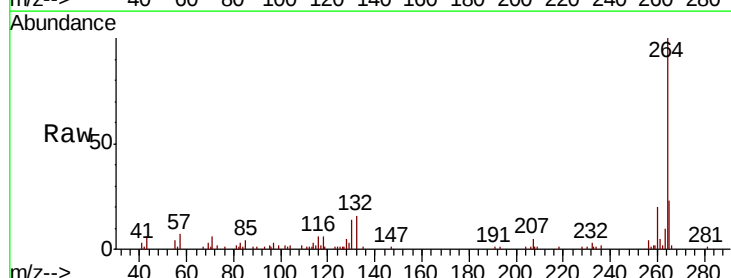
Tgt Ion:264 Resp: 52276

Ion Ratio Lower Upper

264 100

260 20.2 17.6 26.4

265 23.0 16.6 24.8



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

