

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119118.D
 Acq On : 27 Feb 2020 19:10
 Operator : CG/JU
 Sample : L1688-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:57:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

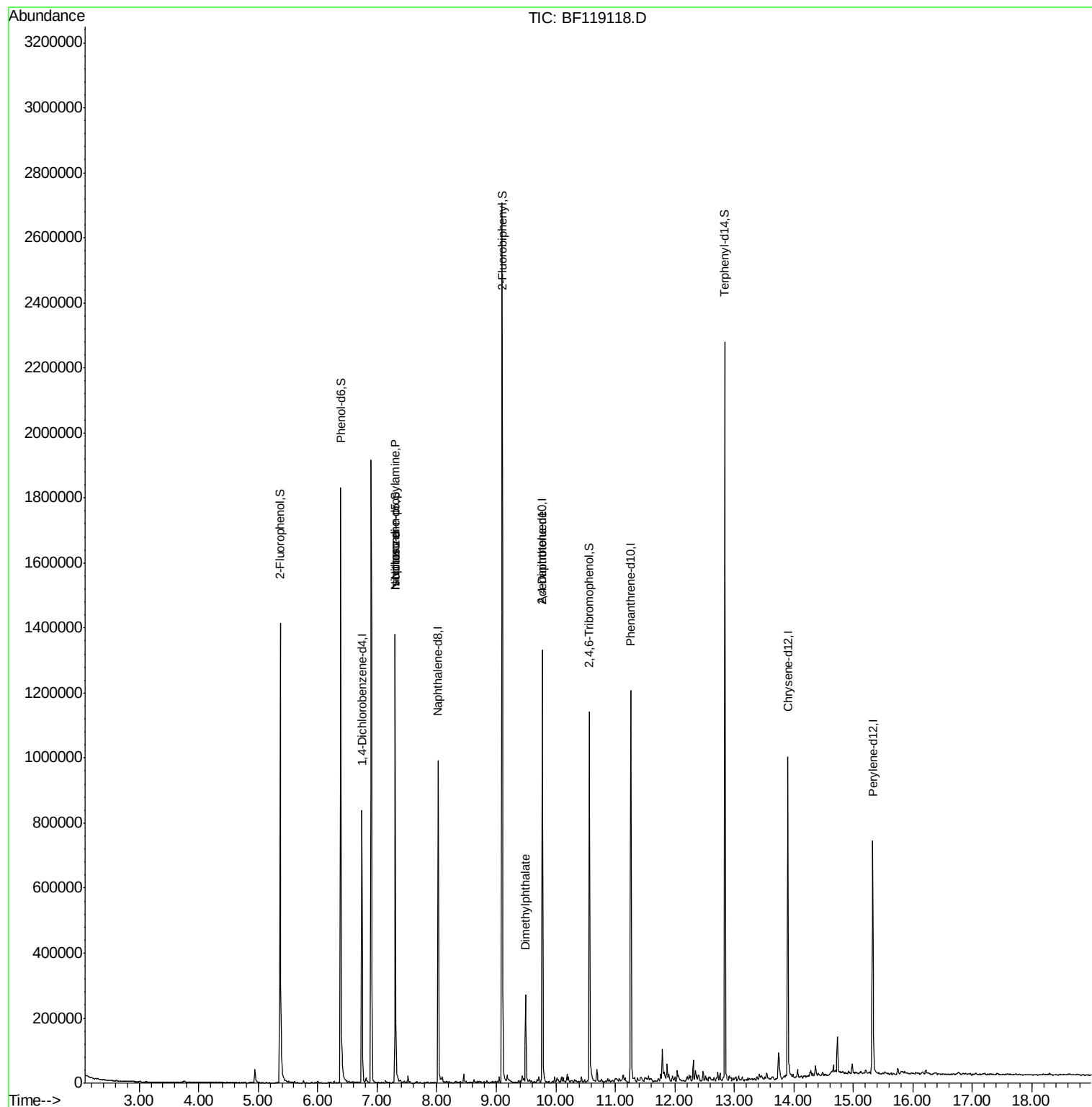
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	137313	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	515479	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	275138	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	475066	20.00	ng	0.00
76) Chrysene-d12	13.90	240	321974	20.00	ng	0.00
87) Perylene-d12	15.32	264	334492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	481712	58.63	ng	0.00
7) Phenol-d6	6.39	99	627402	62.79	ng	-0.02
23) Nitrobenzene-d5	7.30	82	459694	47.09	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	158637	44.07	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	825461	44.20	ng	-0.01
79) Terphenyl-d14	12.84	244	786595	42.06	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	63652	10.931	ng	# 75
25) Isophorone	7.30	82	449718	26.524	ng	# 63
50) Dimethylphthalate	9.49	163	106886	5.080	ng	99
57) 2,4-Dinitrotoluene	9.77	165	35312	5.828	ng	# 21

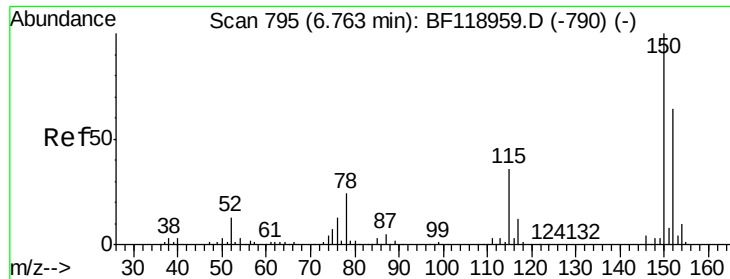
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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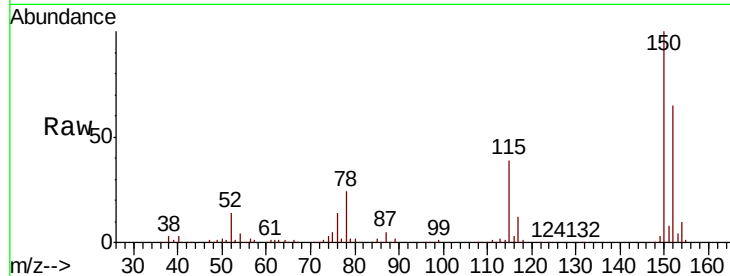


#1

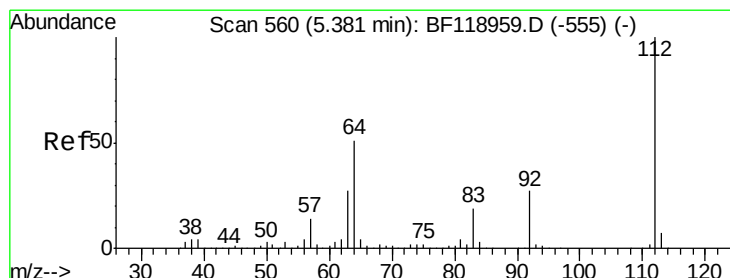
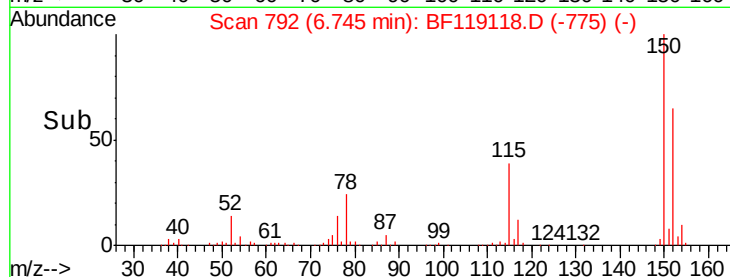
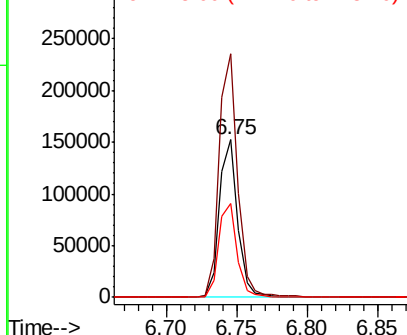
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119118.D
Acq: 27 Feb 2020 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 137313
Ion Ratio Lower Upper
152 100
150 154.6 123.0 184.6
115 59.6 49.5 74.3



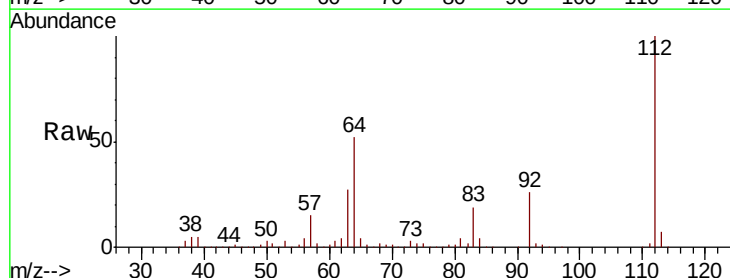
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



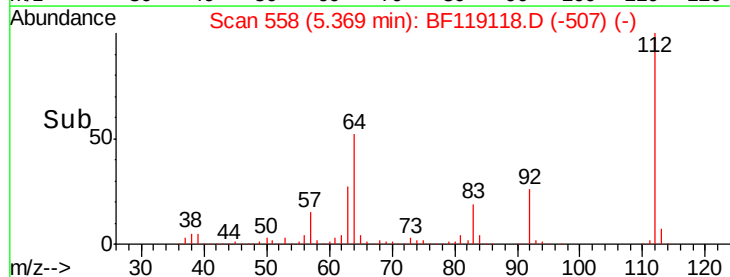
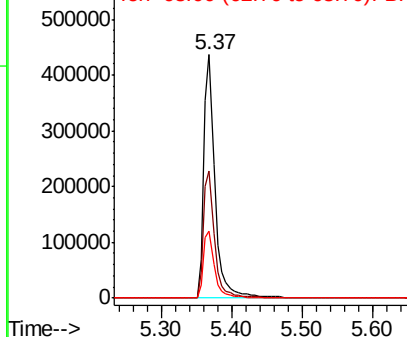
#5

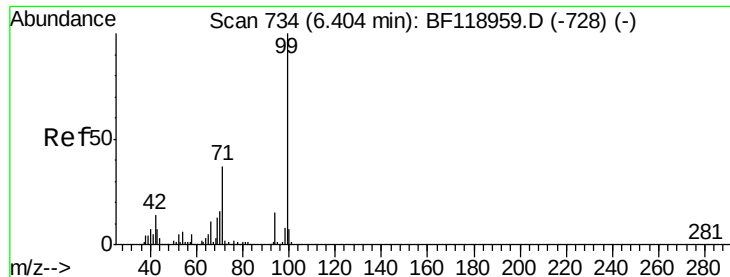
2-Fluorophenol
Concen: 58.627 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119118.D
Acq: 27 Feb 2020 19:10

Tgt Ion:112 Resp: 481712
Ion Ratio Lower Upper
112 100
64 52.4 45.0 67.4
63 27.4 24.2 36.4



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: 62.785 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Instrument :

BNA_F

ClientSampleId :

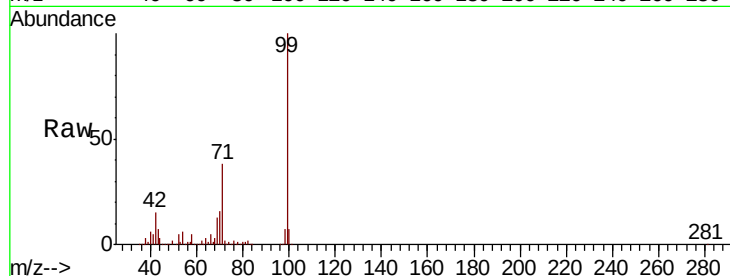
Tot Ion: 99 Resp: 627402

Ion Ratio Lower Upper

99 100

42 14.5 12.6 18.8

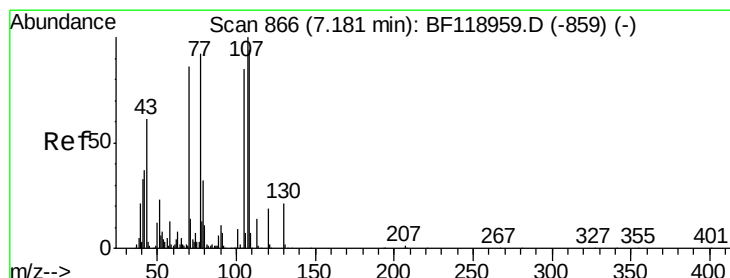
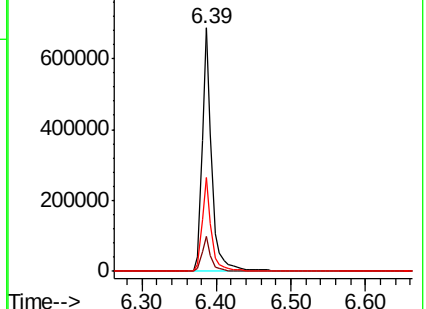
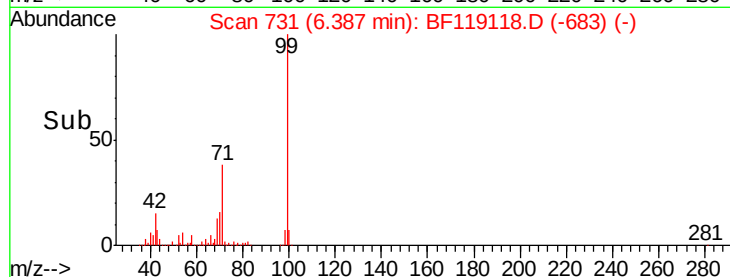
71 38.4 31.0 46.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.931 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Tgt Ion: 70 Resp: 63652

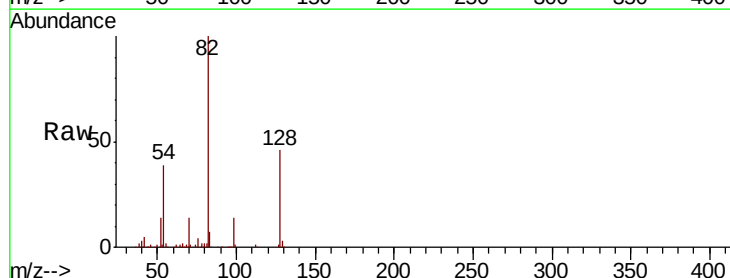
Ion Ratio Lower Upper

70 100

42 36.3 38.0 57.0#

101 0.0 8.2 12.4#

130 2.2 18.2 27.4#

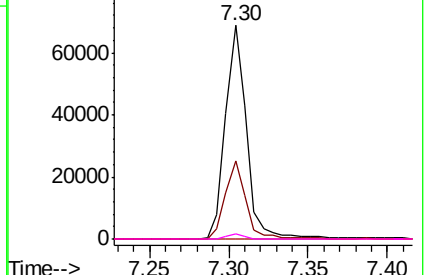
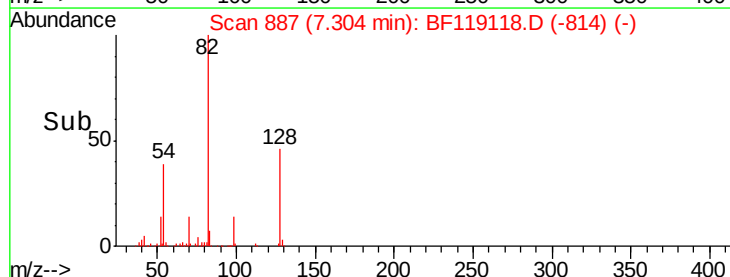


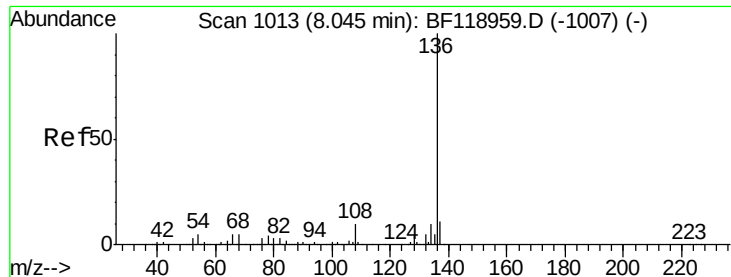
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

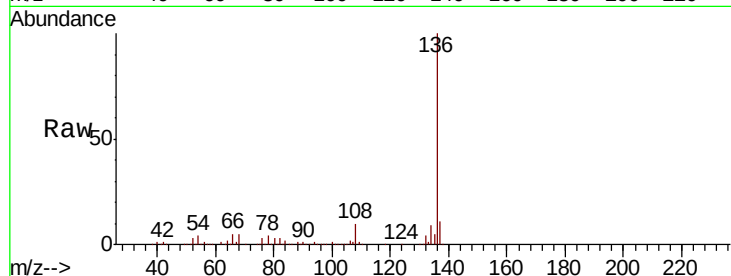




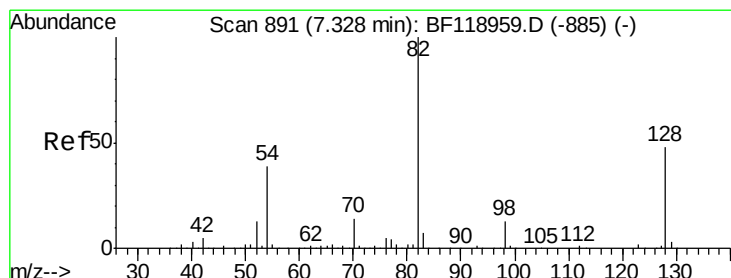
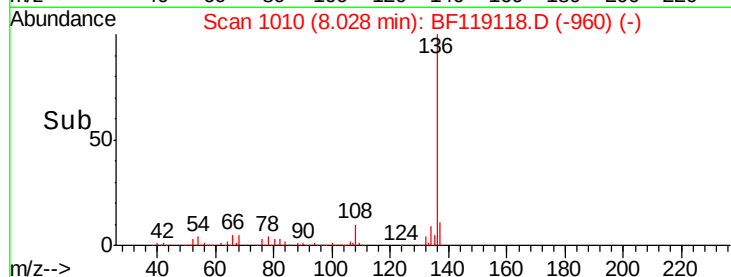
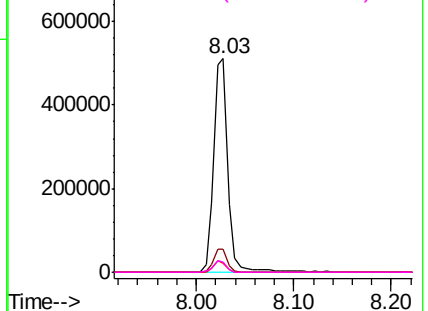
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF119118.D
Acq: 27 Feb 2020 19:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	515479
Ion	Ratio	Lower Upper
136	100	
137	10.6	8.8 13.2
54	4.5	3.8 5.6
68	4.8	3.9 5.9

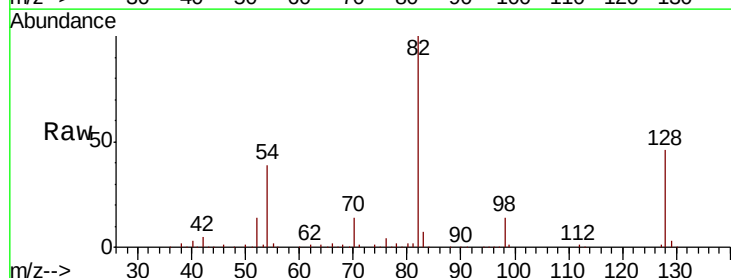


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

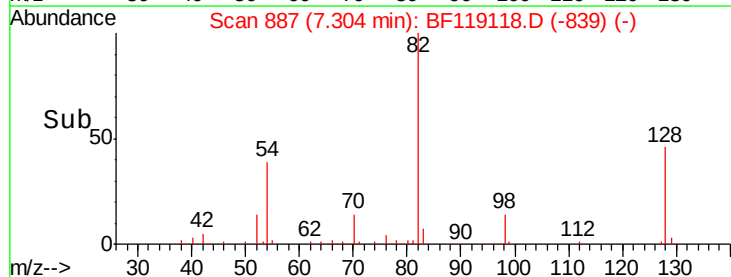
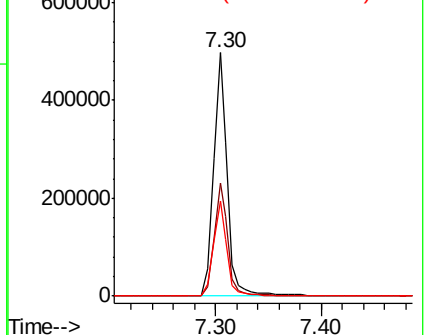


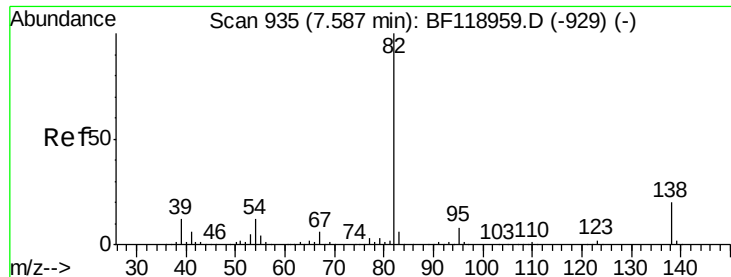
#23
Nitrobenzene-d5
Concen: 47.086 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF119118.D
Acq: 27 Feb 2020 19:10

Tgt Ion: 82	Resp:	459694
Ion	Ratio	Lower Upper
82	100	
128	46.3	37.9 56.9
54	38.9	33.4 50.2



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





#25

Isophorone

Concen: 26.524 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Instrument :

BNA_F

ClientSampleId :

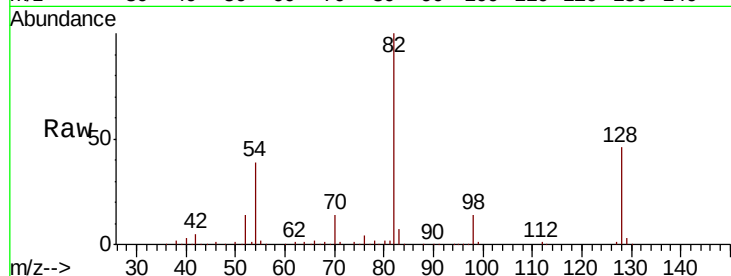
Tot Ion: 82 Resp: 449718

Ion Ratio Lower Upper

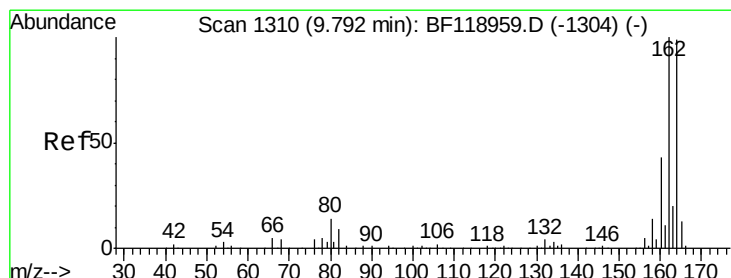
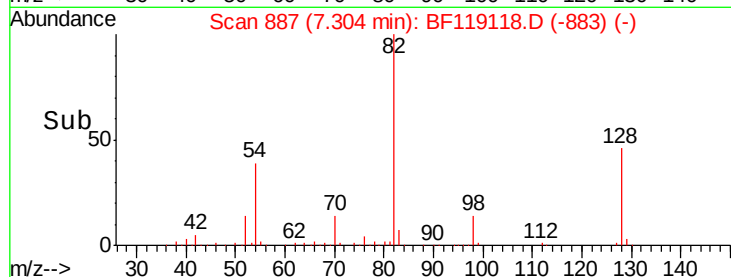
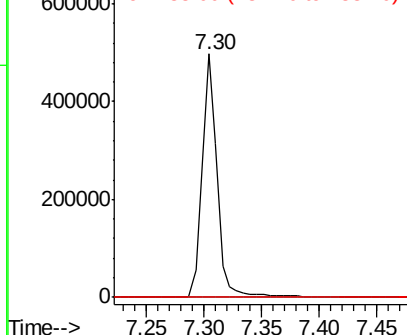
82 100

95 0.1 6.4 9.6#

138 0.0 15.7 23.5#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

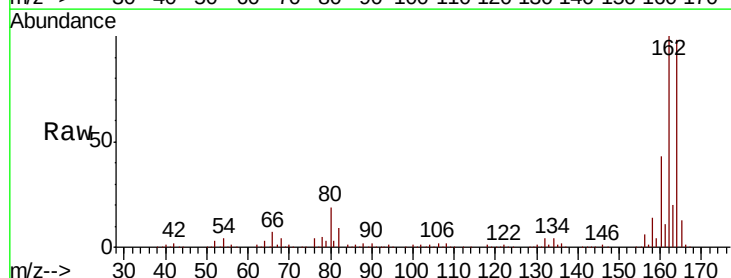
Tgt Ion: 164 Resp: 275138

Ion Ratio Lower Upper

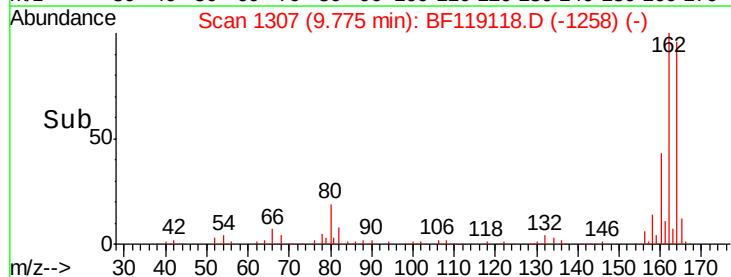
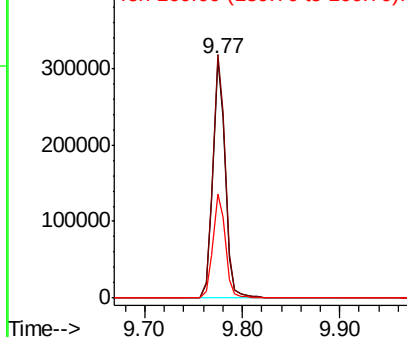
164 100

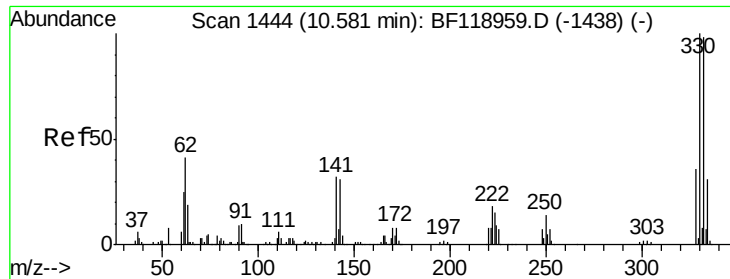
162 102.0 81.8 122.8

160 43.5 36.0 54.0



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

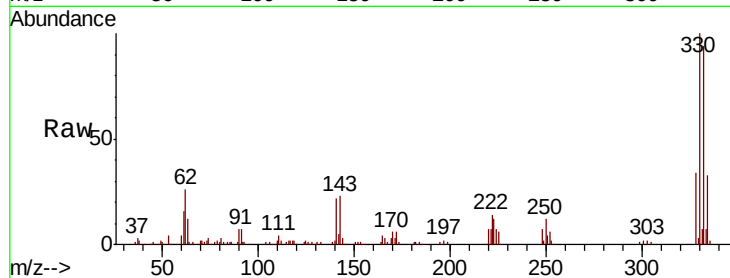




#42
 2,4,6-Tribromophenol
 Concen: 44.075 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119118.D
 Acq: 27 Feb 2020 19:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.0	114.0
141	29.5	22.9	34.3

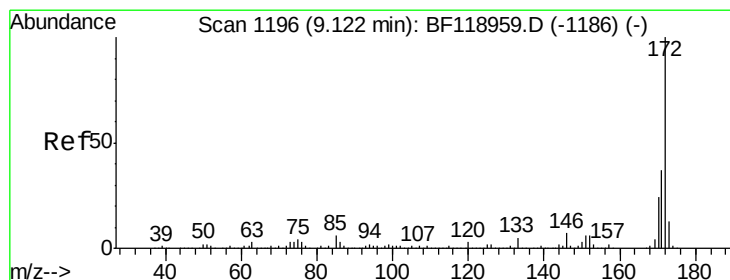
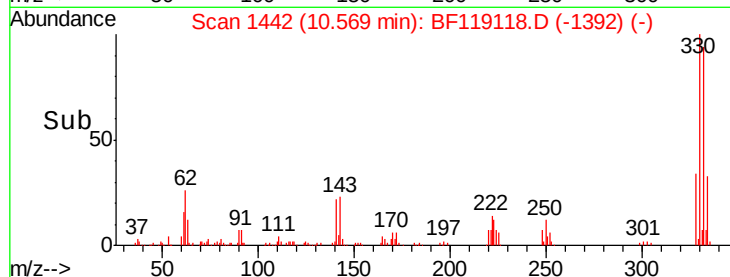
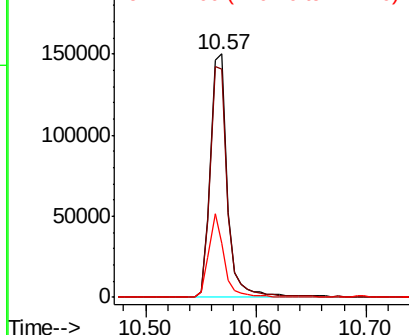


Abundance

Ion 329.80 (329.50 to 330.50): E

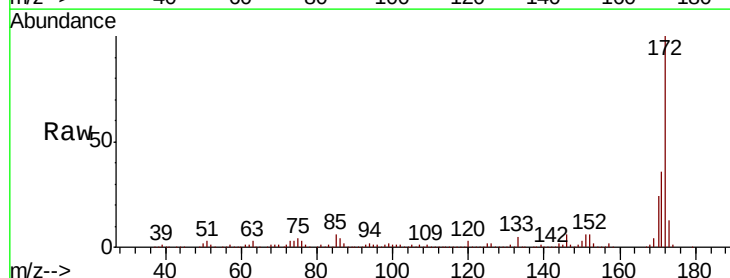
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 44.198 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119118.D
 Acq: 27 Feb 2020 19:10

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.6	45.8
170	23.6	20.2	30.2

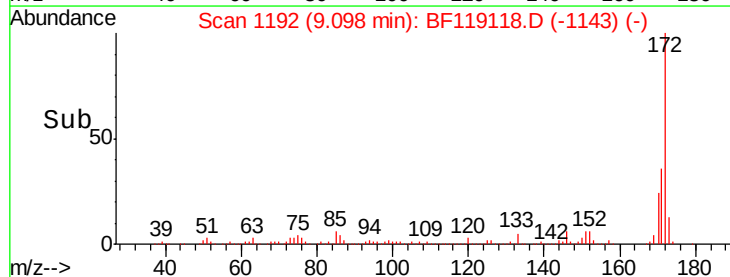
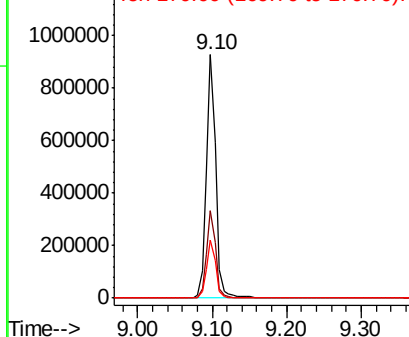


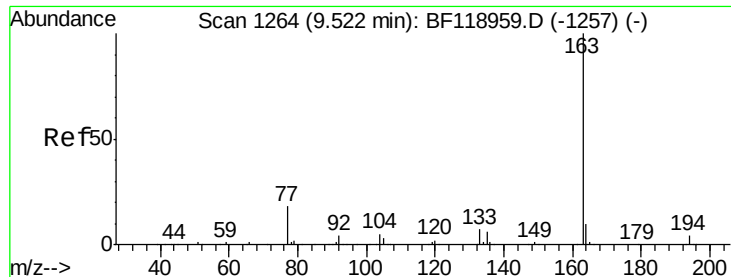
Abundance

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: 5.080 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Instrument :

BNA_F

ClientSampleId :

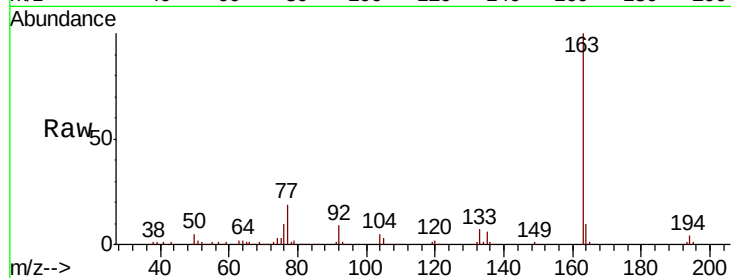
Tot Ion:163 Resp: 106886

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

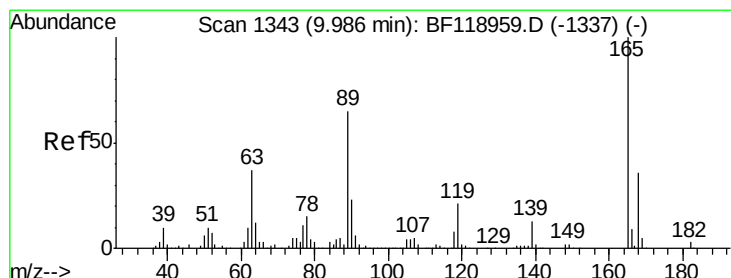
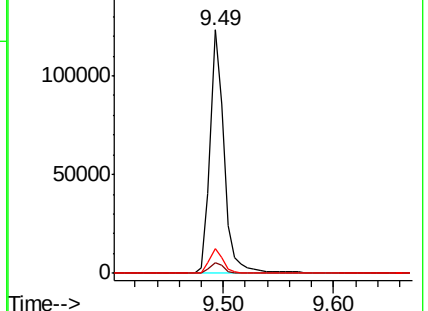
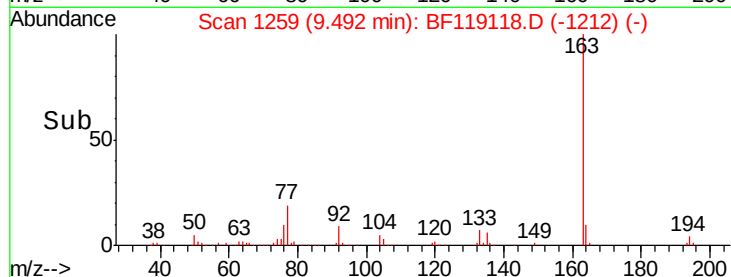
164 10.0 8.4 12.6



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



#57

2,4-Dinitrotoluene

Concen: 5.828 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Tgt Ion:165 Resp: 35312

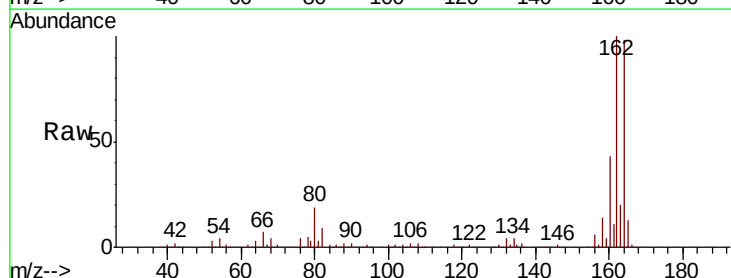
Ion Ratio Lower Upper

165 100

63 1.3 42.3 63.5#

89 1.4 60.2 90.4#

182 0.0 2.3 3.5#

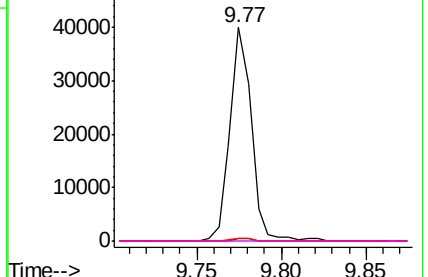
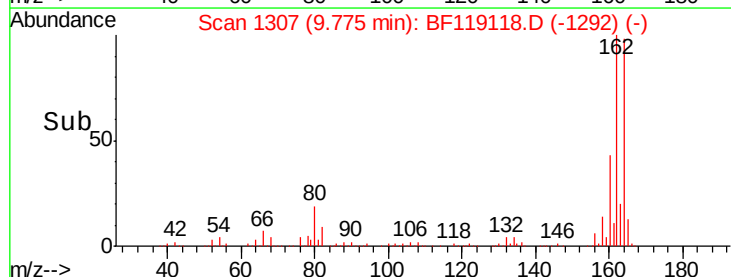


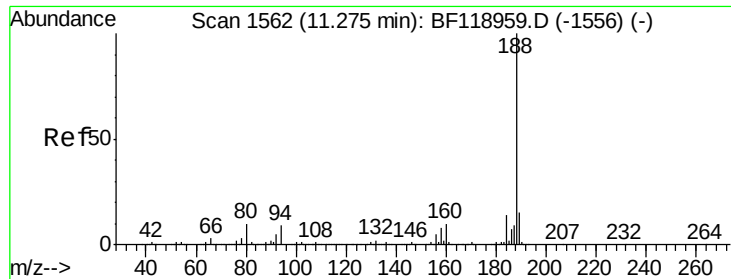
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Instrument :

BNA_F

ClientSampleId :

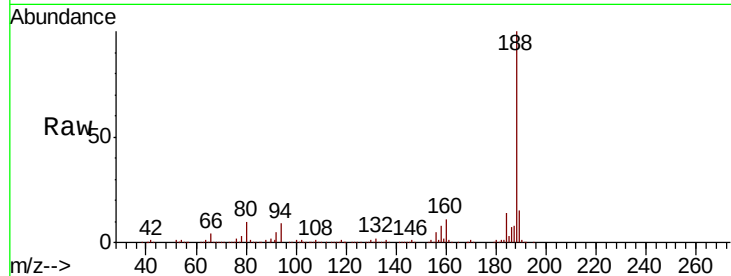
Tot Ion:188 Resp: 475066

Ion Ratio Lower Upper

188 100

94 8.7 7.1 10.7

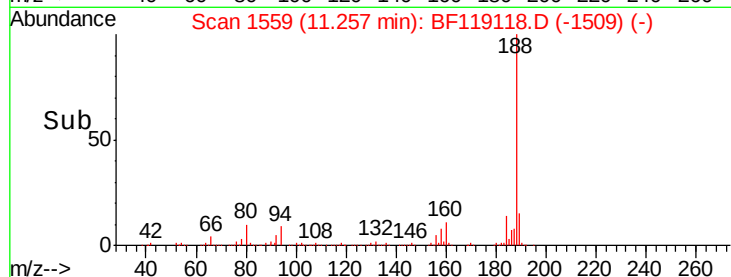
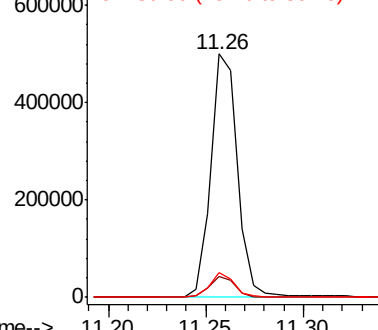
80 10.3 7.8 11.8



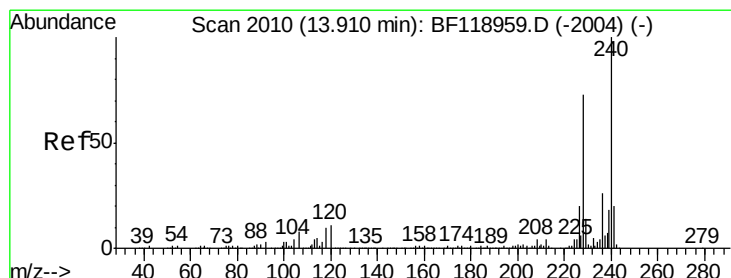
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time--> 11.20 11.25 11.30



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

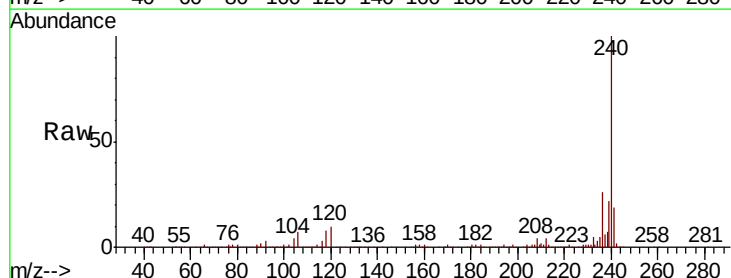
Tgt Ion:240 Resp: 321974

Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

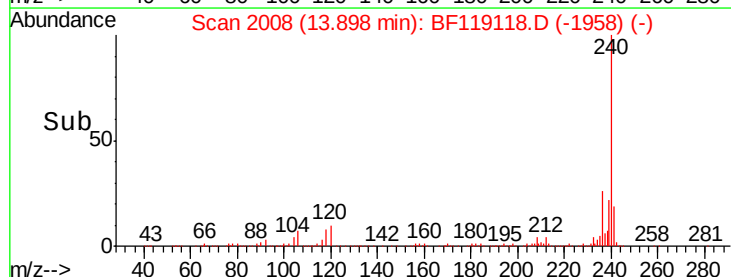
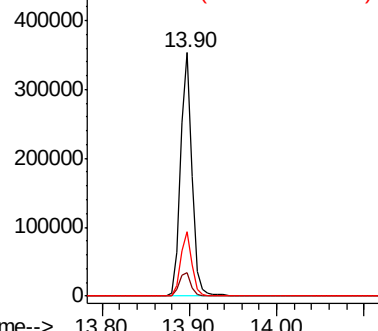
236 26.2 21.0 31.4



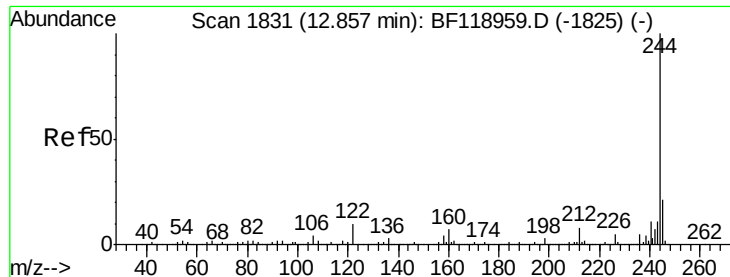
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.80 13.90 14.00



#79

Terphenyl-d14

Concen: 42.061 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

Instrument :

BNA_F

ClientSampled :

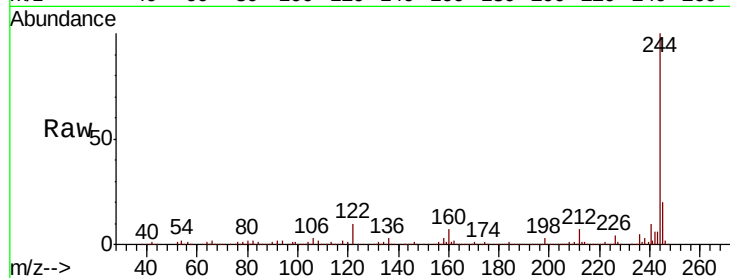
Tot Ion:244 Resp: 786595

Ion Ratio Lower Upper

244 100

212 7.1 6.6 10.0

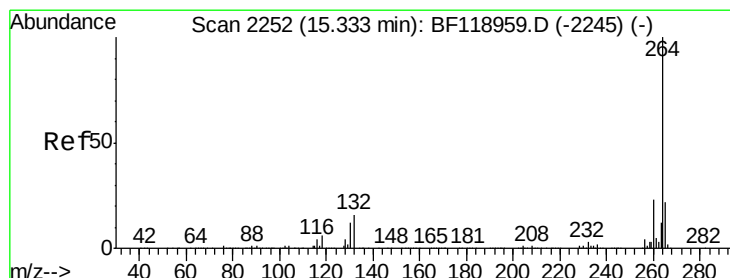
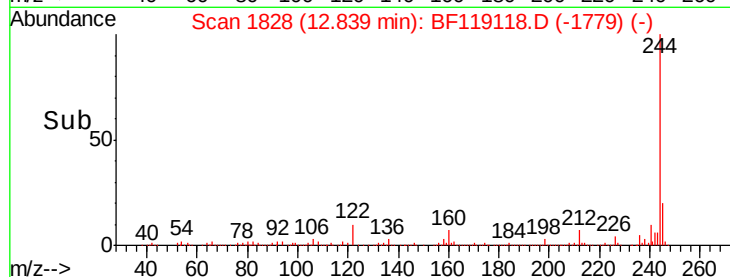
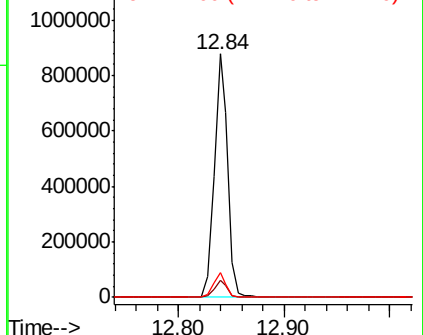
122 10.2 8.2 12.2



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: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF119118.D

Acq: 27 Feb 2020 19:10

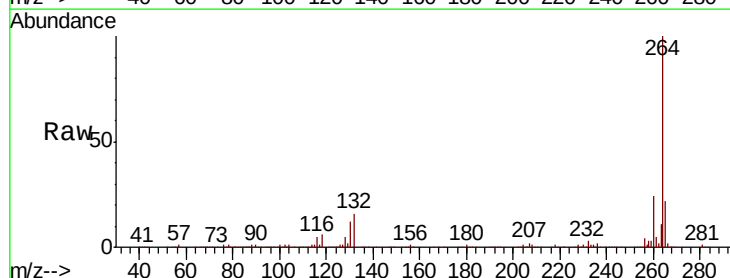
Tgt Ion:264 Resp: 334492

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 22.0 17.7 26.5



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

