

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022520\
 Data File : BF119070.D
 Acq On : 25 Feb 2020 17:49
 Operator : CG/JU
 Sample : L1644-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 01:27:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

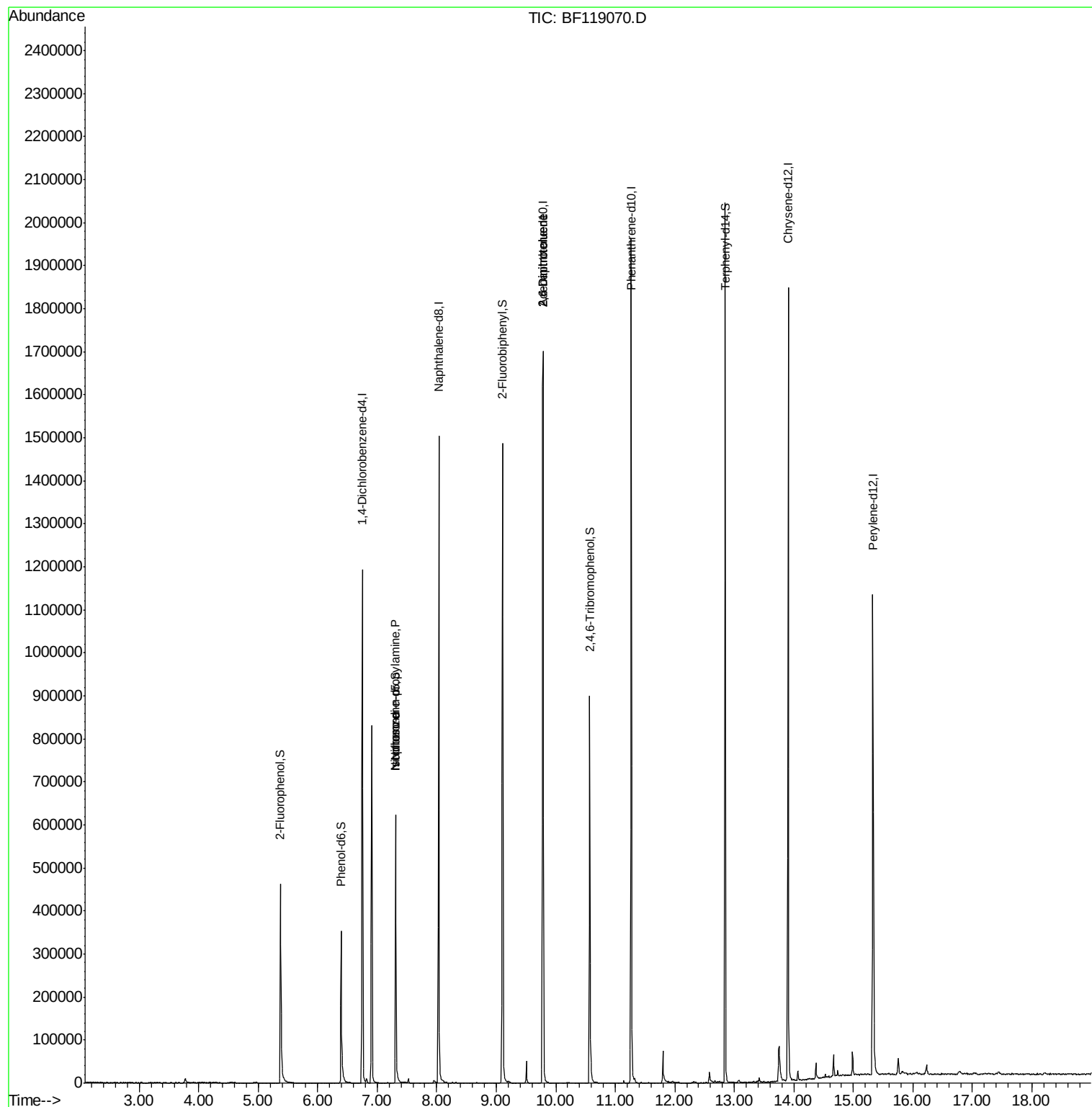
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	185813	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	725678	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	412148	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	785582	20.00	ng	0.00
76) Chrysene-d12	13.90	240	656429	20.00	ng	0.00
87) Perylene-d12	15.33	264	578725	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	163279	14.69	ng	0.00
7) Phenol-d6	6.39	99	153392	11.34	ng	-0.01
23) Nitrobenzene-d5	7.31	82	218074	15.87	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	134064	24.87	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	504152	18.02	ng	-0.02
79) Terphenyl-d14	12.84	244	684485	17.95	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.31	70	28783	3.653	ng	# 77
25) Isophorone	7.31	82	218072	9.136	ng	# 63
51) 2,6-Dinitrotoluene	9.78	165	52368	7.479	ng	# 30
57) 2,4-Dinitrotoluene	9.78	165	52368	5.770	ng	# 29

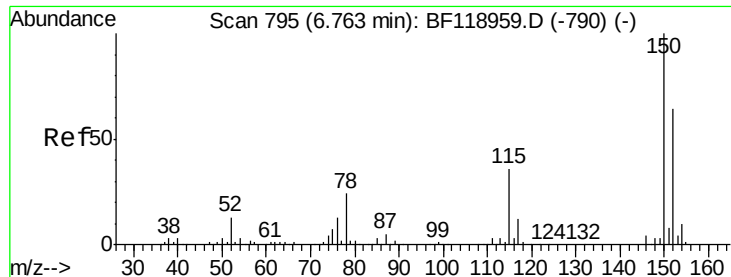
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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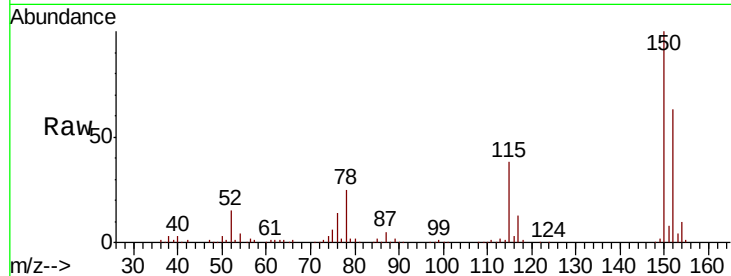


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF119070.D
Acq: 25 Feb 2020 17:49

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.3	186.5
115	60.7	44.6	67.0

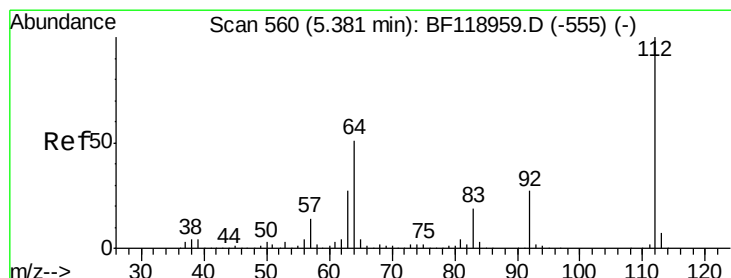
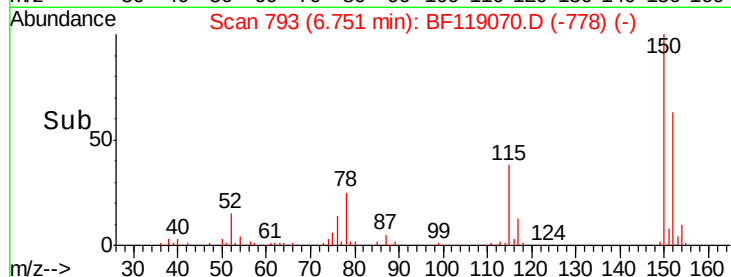
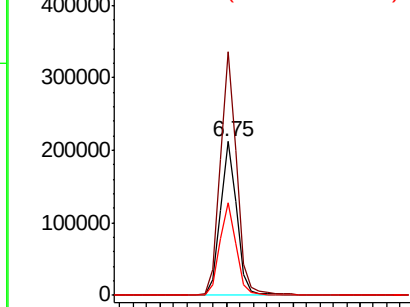


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

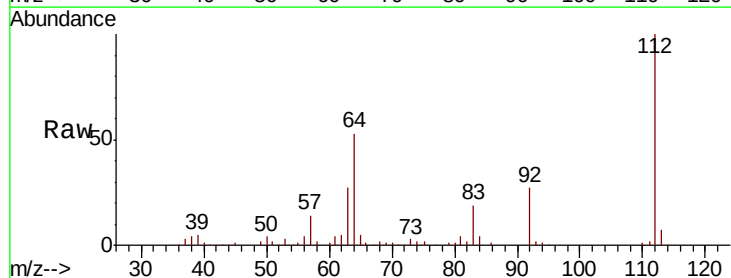
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.685 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF119070.D
Acq: 25 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	40.4	60.6
63	27.0	21.3	31.9

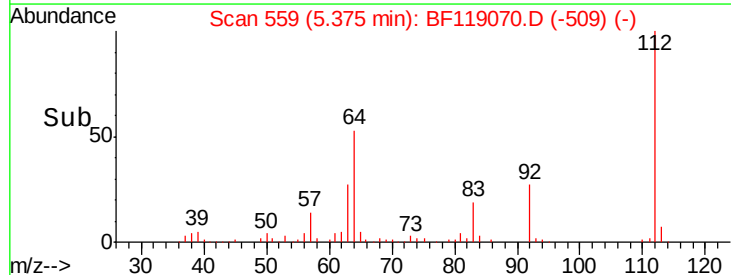
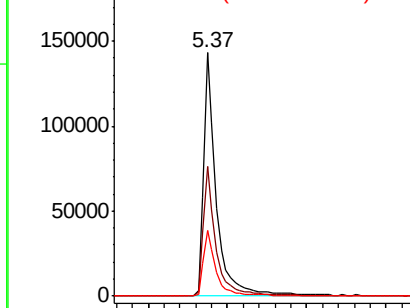


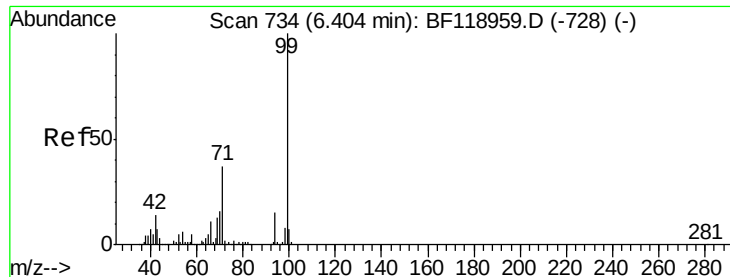
Abundance

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: 11.344 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.01 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

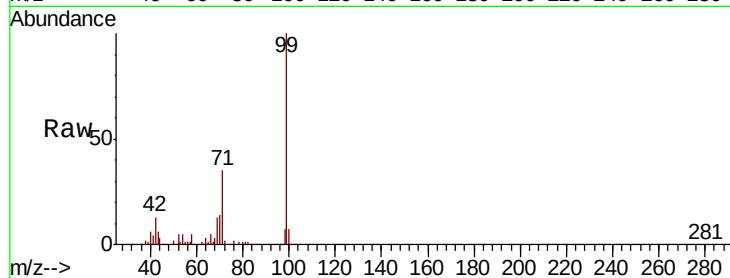
Tot Ion: 99 Resp: 153392

Ion Ratio Lower Upper

99 100

42 13.0 11.4 17.0

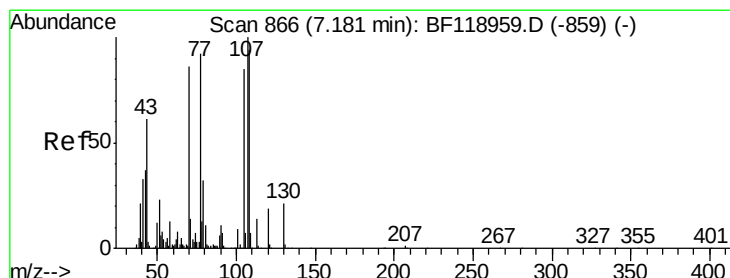
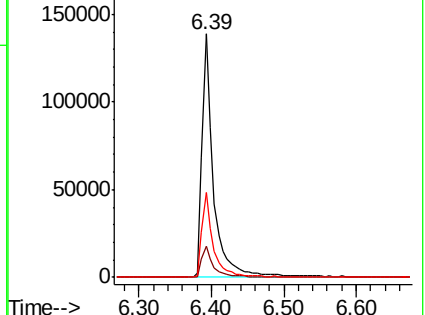
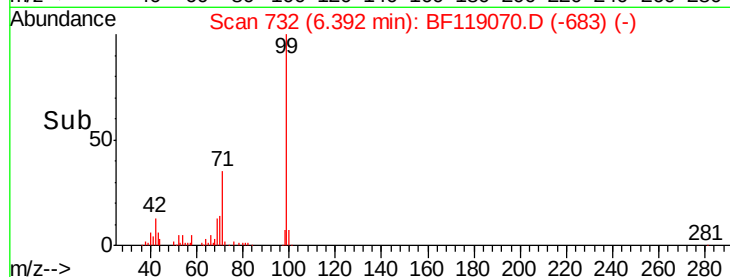
71 35.1 29.8 44.6



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: 3.653 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.13 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Tgt Ion: 70 Resp: 28783

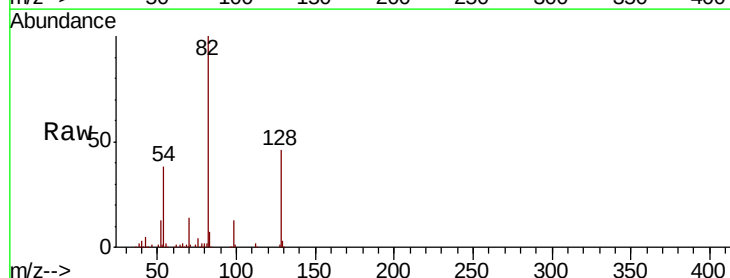
Ion Ratio Lower Upper

70 100

42 36.5 34.6 51.8

101 0.0 8.1 12.1#

130 2.3 19.4 29.2#

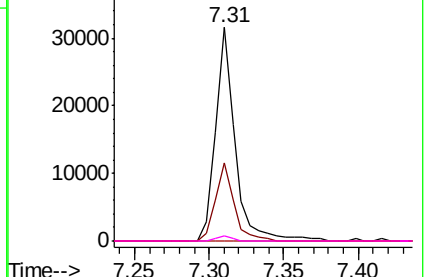
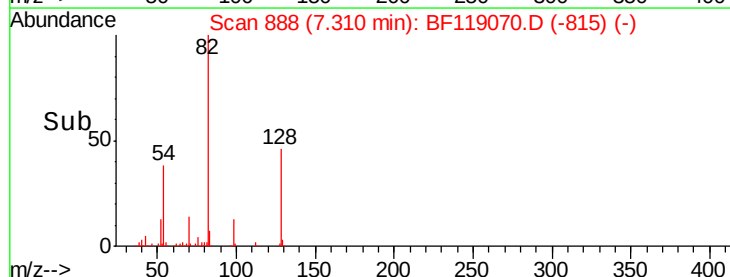


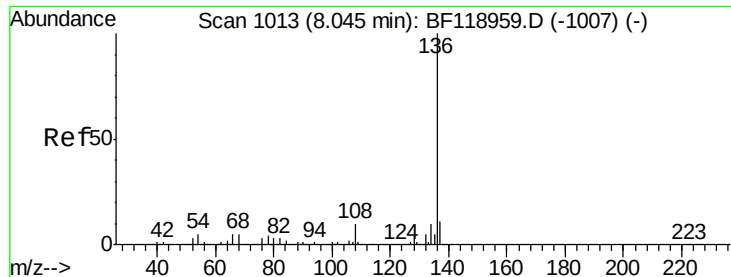
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

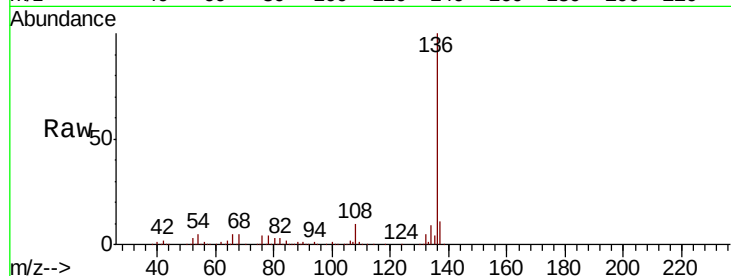




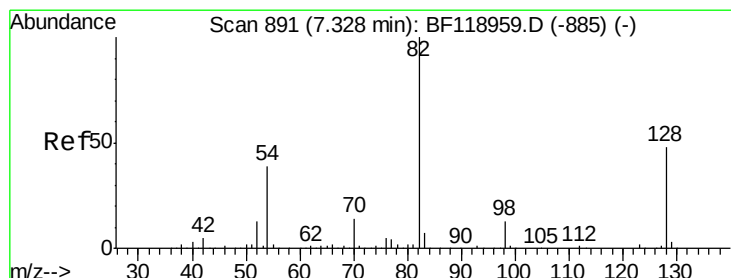
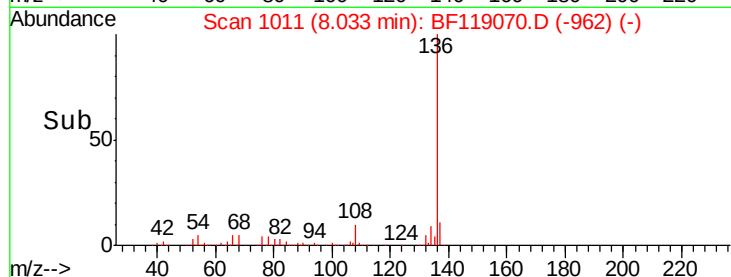
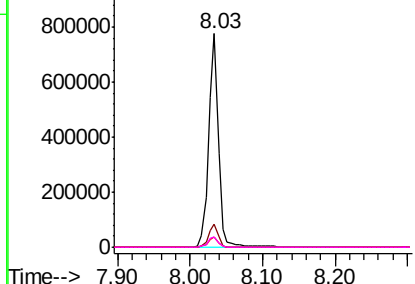
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF119070.D
Acq: 25 Feb 2020 17:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	725678
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	4.8	3.8 5.6
68	4.9	4.2 6.2

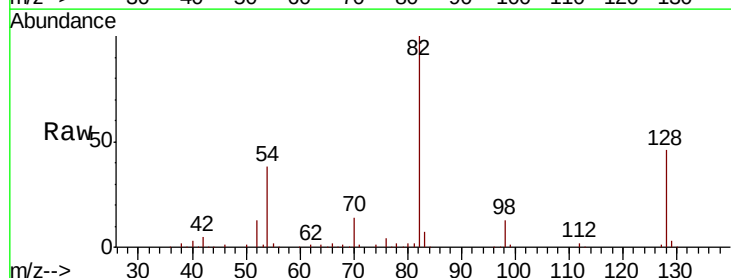


Abundance Ion 136.00 (135.70 to 136.70): E
1200000
Ion 137.00 (136.70 to 137.70): E
1000000
Ion 54.00 (53.70 to 54.70): BF1
800000
Ion 68.00 (67.70 to 68.70): BF1
600000
400000
200000
0

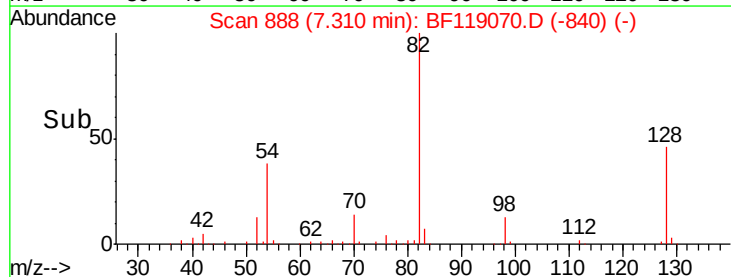
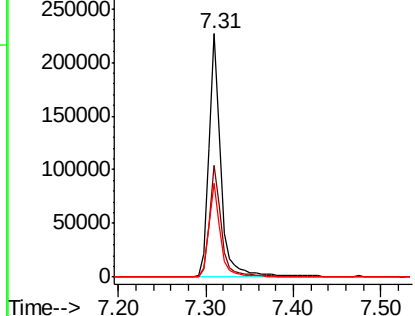


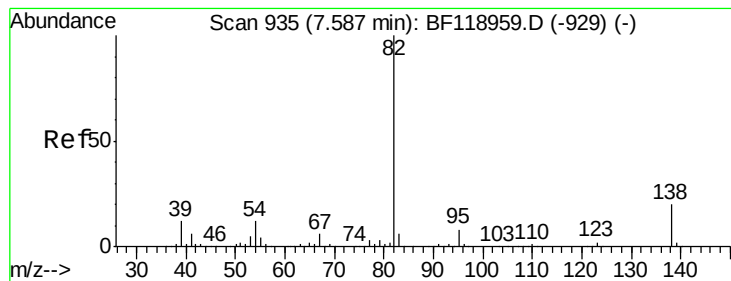
#23
Nitrobenzene-d5
Concen: 15.867 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF119070.D
Acq: 25 Feb 2020 17:49

Tgt Ion: 82	Resp:	218074
Ion	Ratio	Lower Upper
82	100	
128	45.9	38.2 57.2
54	38.3	31.3 46.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
300000
Ion 128.00 (127.70 to 128.70): E
250000
Ion 54.00 (53.70 to 54.70): BF1
200000
150000
100000
50000
0





#25

Isophorone

Concen: 9.136 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

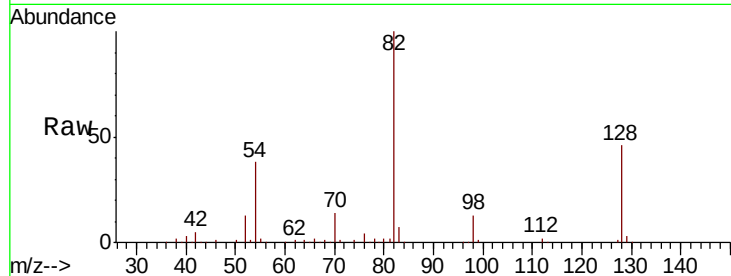
Tot Ion: 82 Resp: 218072

Ion Ratio Lower Upper

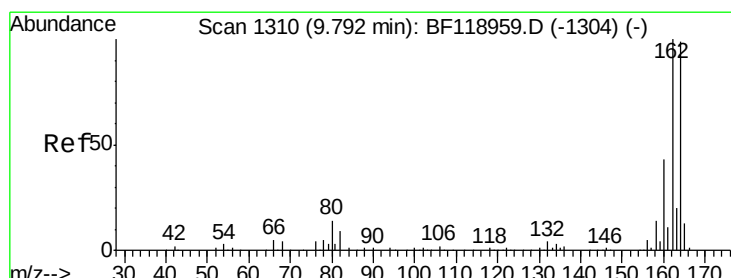
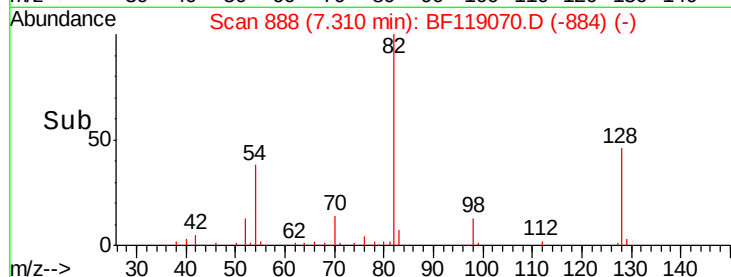
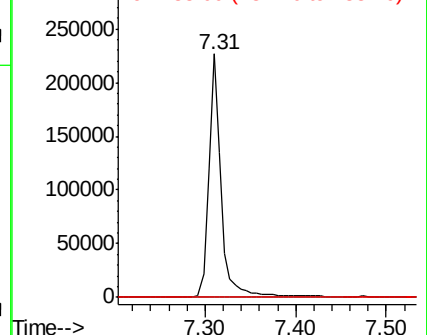
82 100

95 0.0 6.1 9.1#

138 0.0 15.8 23.6#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

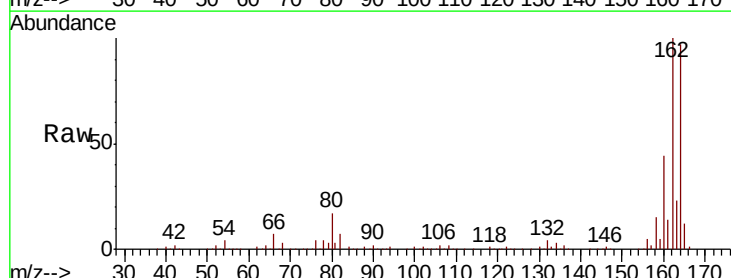
Tgt Ion: 164 Resp: 412148

Ion Ratio Lower Upper

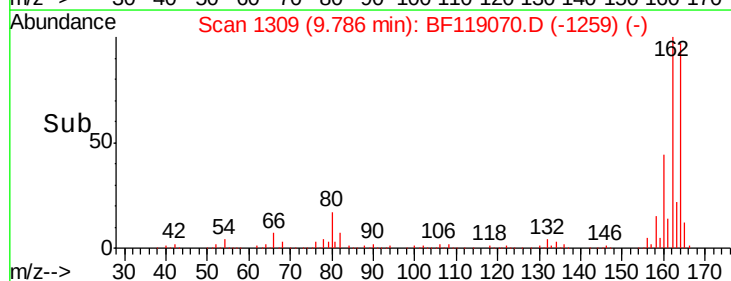
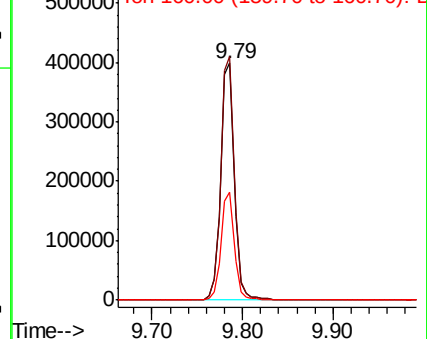
164 100

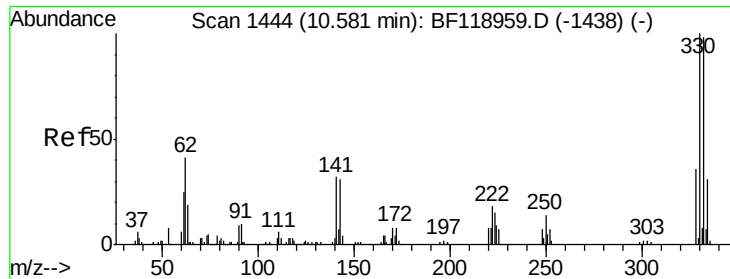
162 102.7 81.2 121.8

160 45.7 35.2 52.8



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

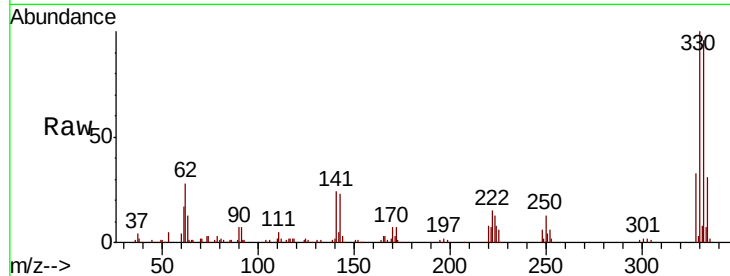




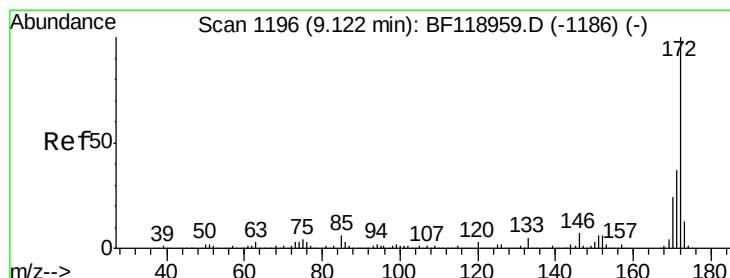
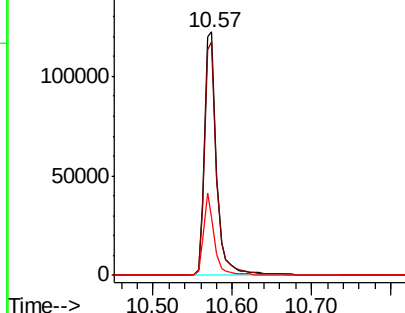
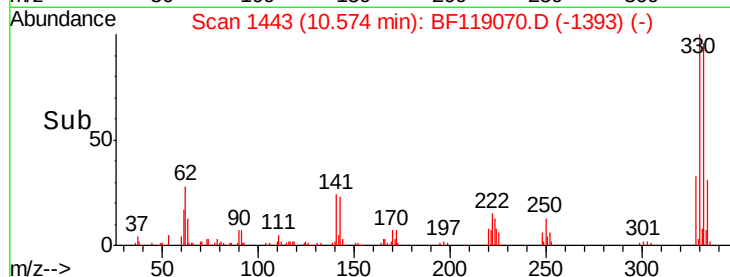
#42
 2,4,6-Tribromophenol
 Concen: 24.865 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119070.D
 Acq: 25 Feb 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.1	115.7
141	29.5	23.0	34.6

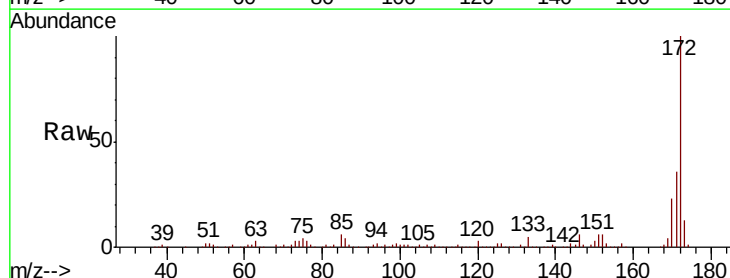


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

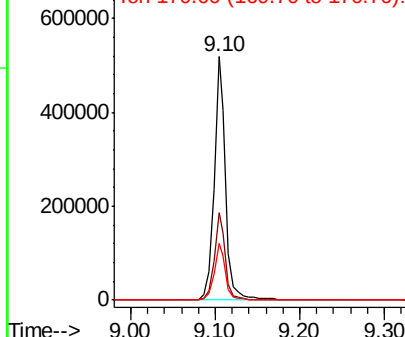
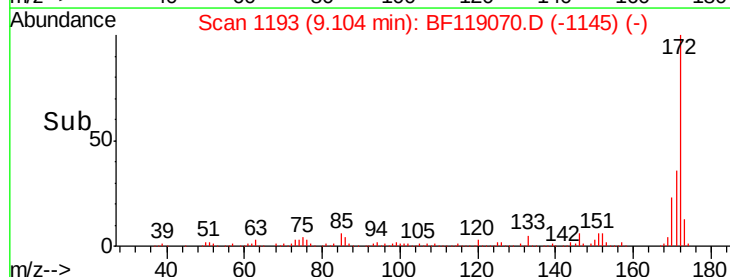


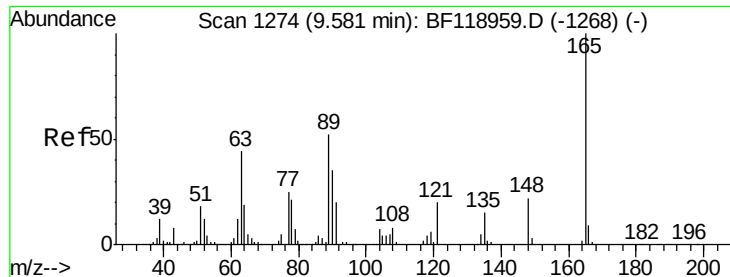
#45
 2-Fluorobiphenyl
 Concen: 18.020 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.02 min
 Lab File: BF119070.D
 Acq: 25 Feb 2020 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.2
170	23.4	19.6	29.4



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: 7.479 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.20 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

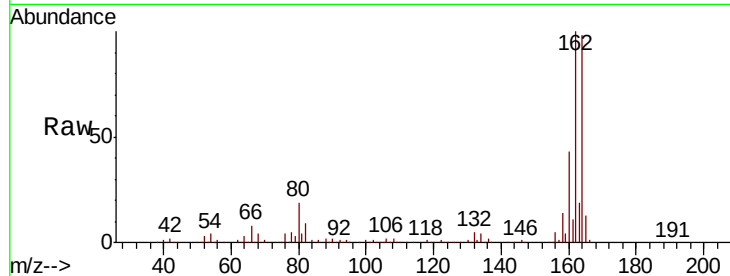
Tot Ion:165 Resp: 52368

Ion Ratio Lower Upper

165 100

63 1.2 37.9 56.9#

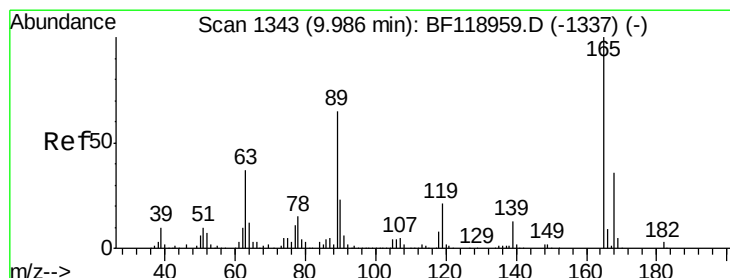
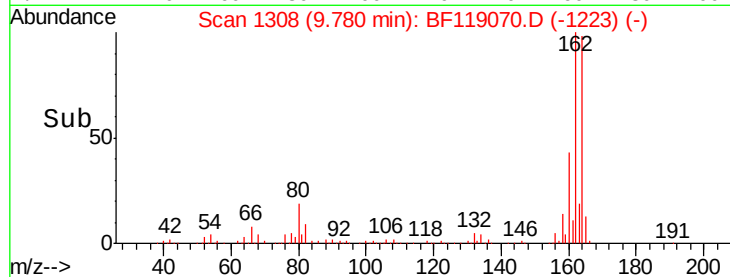
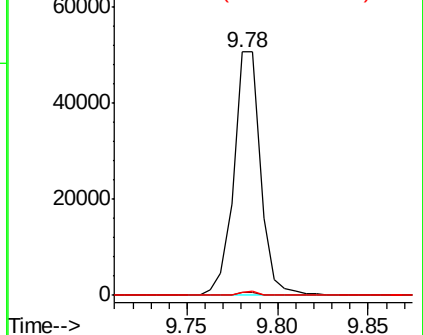
89 1.3 41.4 62.0#



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



#57

2,4-Dinitrotoluene

Concen: 5.770 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.21 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Tgt Ion:165 Resp: 52368

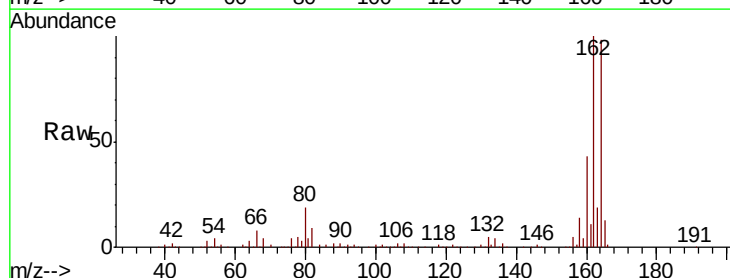
Ion Ratio Lower Upper

165 100

63 1.2 29.8 44.8#

89 1.3 51.9 77.9#

182 0.0 2.3 3.5#

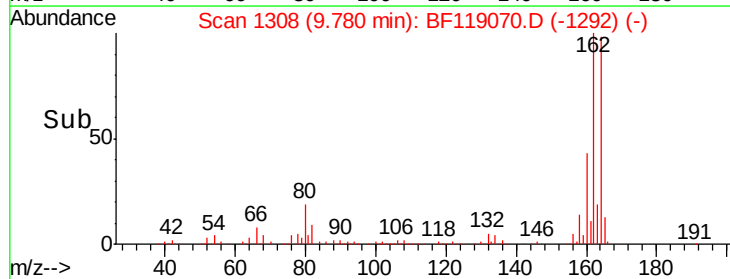
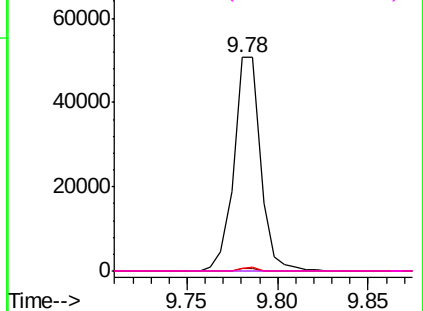


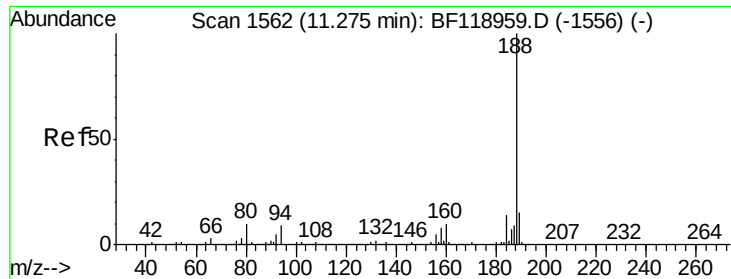
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Instrument :

BNA_F

ClientSampled :

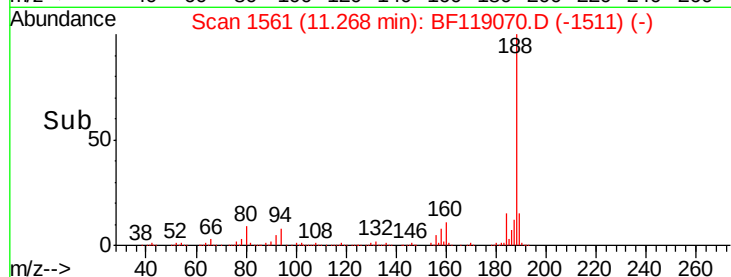
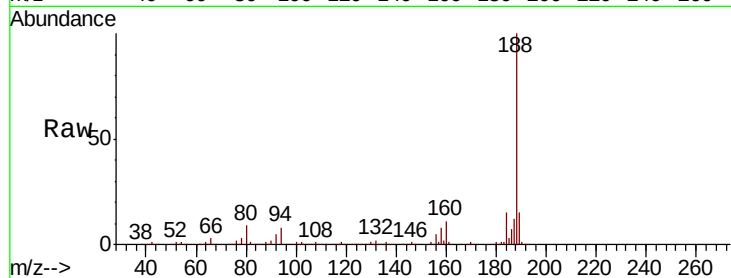
Tot Ion:188 Resp: 785582

Ion Ratio Lower Upper

188 100

94 8.3 7.0 10.6

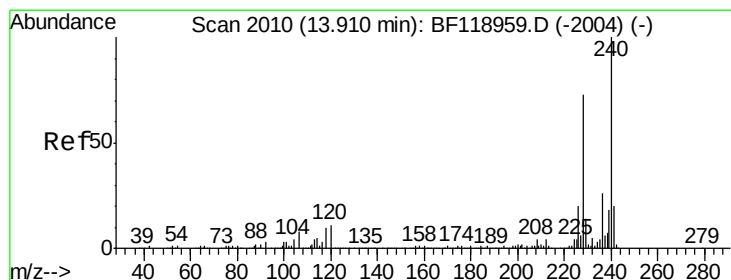
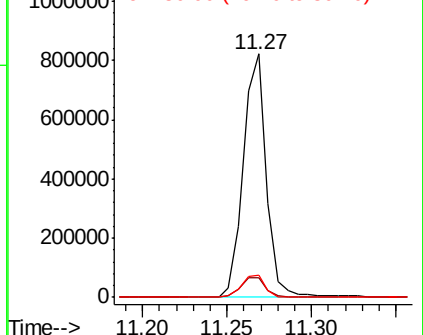
80 9.1 7.9 11.9



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: BF119070.D

Acq: 25 Feb 2020 17:49

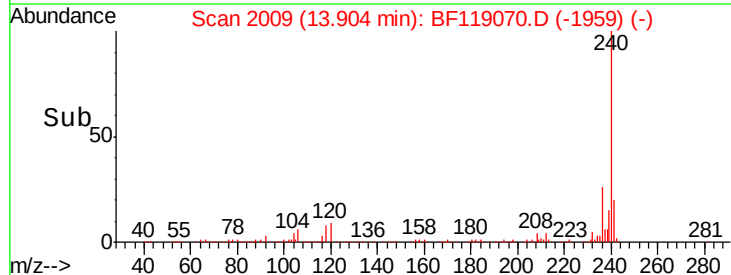
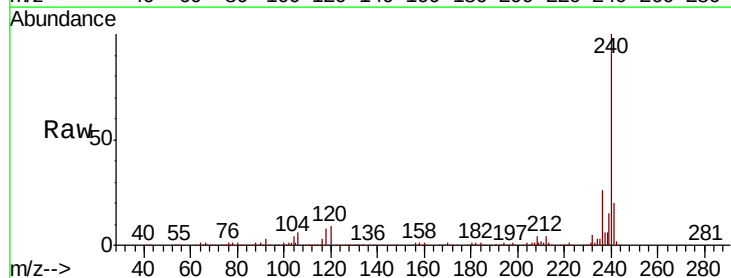
Tgt Ion:240 Resp: 656429

Ion Ratio Lower Upper

240 100

120 8.8 8.9 13.3#

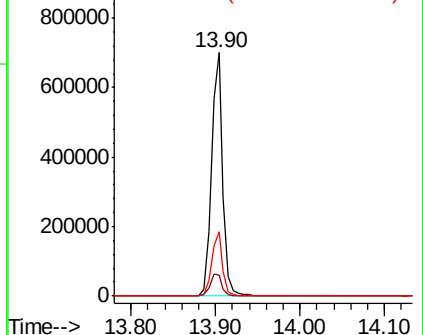
236 26.2 20.6 30.8

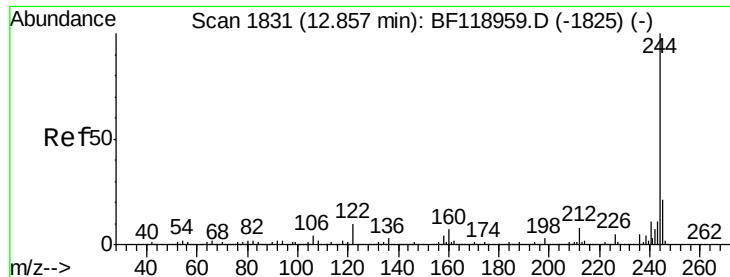


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 17.953 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

Instrument :

BNA_F

ClientSampleId :

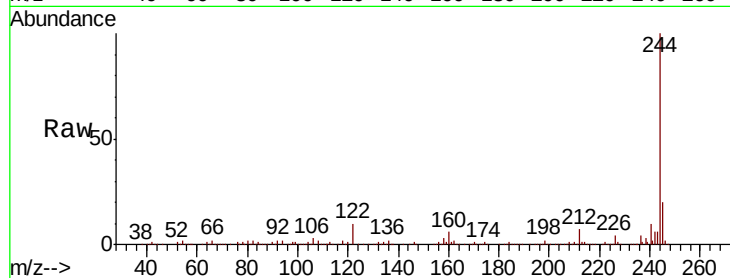
Tot Ion:244 Resp: 684485

Ion Ratio Lower Upper

244 100

212 6.7 6.3 9.5

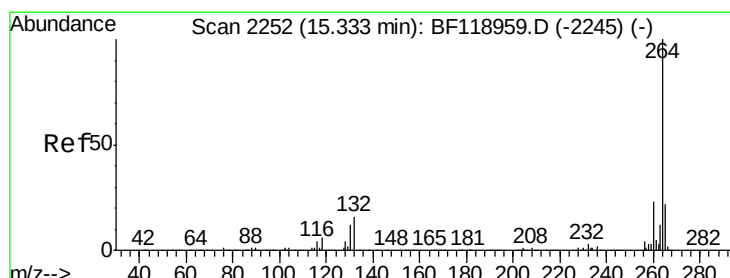
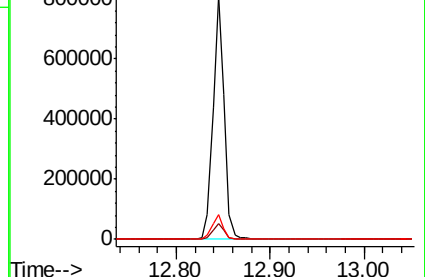
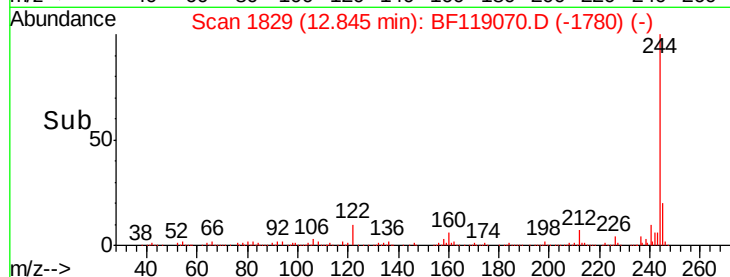
122 10.0 8.4 12.6



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: 15.33 min Scan# 2251

Delta R.T. -0.01 min

Lab File: BF119070.D

Acq: 25 Feb 2020 17:49

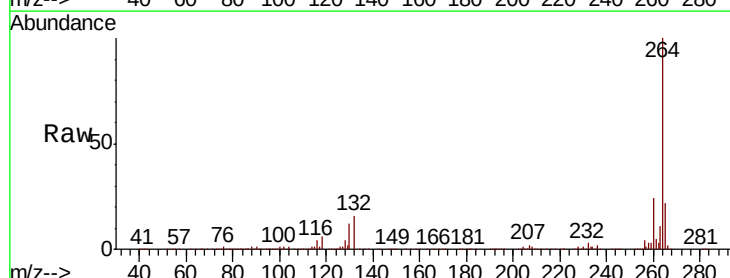
Tgt Ion:264 Resp: 578725

Ion Ratio Lower Upper

264 100

260 24.1 18.6 28.0

265 21.6 17.3 25.9



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

