

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022720\
 Data File : BF119111.D
 Acq On : 27 Feb 2020 15:43
 Operator : CG/JU
 Sample : L1694-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 02:54:44 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

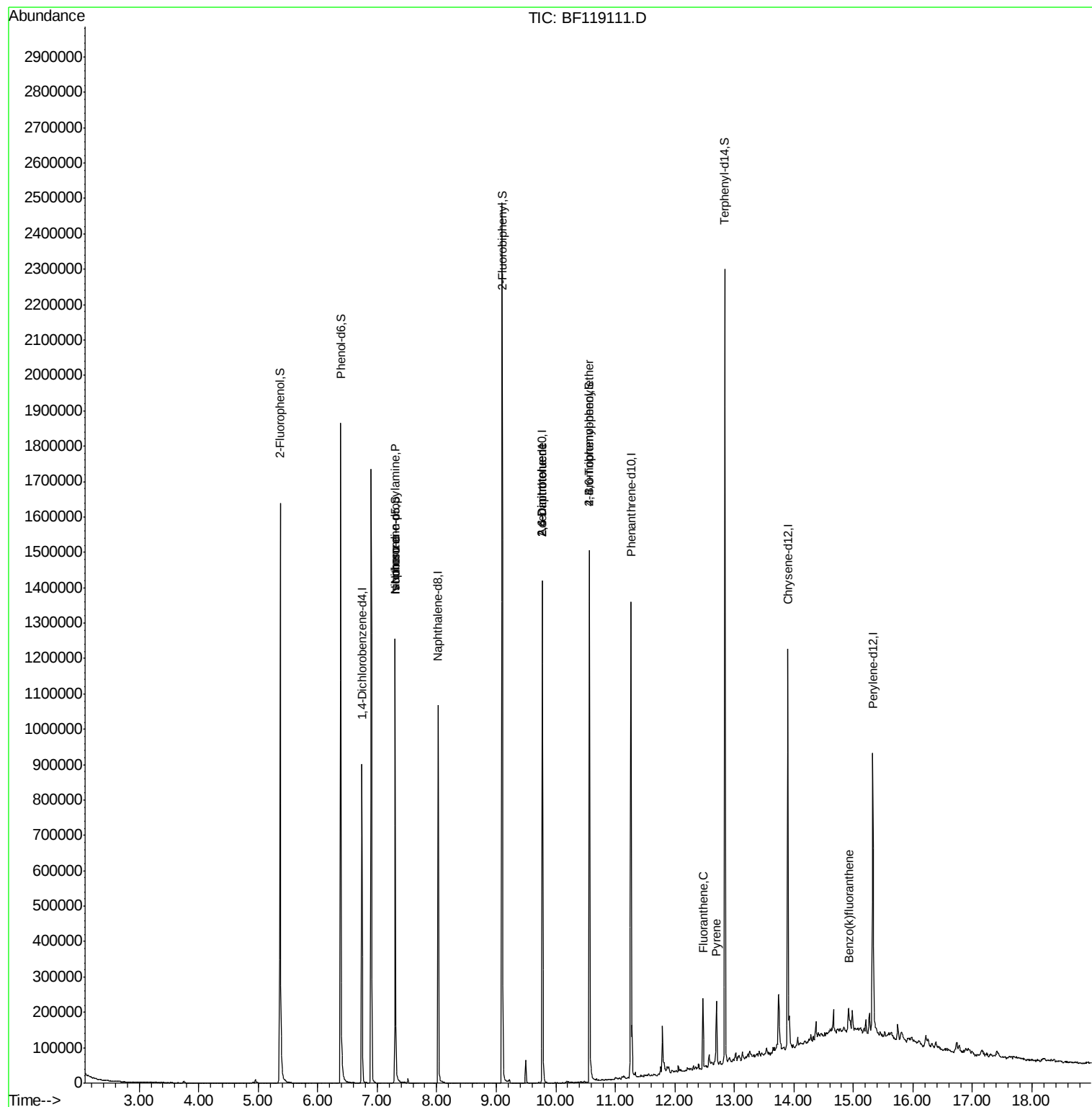
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	140542	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	559754	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	307324	20.00	ng	-0.01
64) Phenanthrene-d10	11.26	188	539470	20.00	ng	0.00
76) Chrysene-d12	13.90	240	379752	20.00	ng	0.00
87) Perylene-d12	15.33	264	364439	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	539473	64.15	ng	0.00
7) Phenol-d6	6.39	99	659337	64.47	ng	-0.02
23) Nitrobenzene-d5	7.30	82	421932	39.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.57	330	218850	54.44	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	775148	37.16	ng	-0.01
79) Terphenyl-d14	12.84	244	811497	36.79	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.30	70	57762	9.692	ng	# 75
25) Isophorone	7.30	82	411381	22.344	ng	# 63
51) 2,6-Dinitrotoluene	9.77	165	39813	7.625	ng	# 33
57) 2,4-Dinitrotoluene	9.77	165	39813	5.883	ng	# 20
67) 4-Bromophenyl-phenylether	10.57	248	14621	2.073	ng	# 1
75) Fluoranthene	12.47	202	86913	2.783	ng	98
78) Pyrene	12.70	202	77358	2.537	ng	97
89) Benzo(k)fluoranthene	14.92	252	45456	2.042	ng	# 94

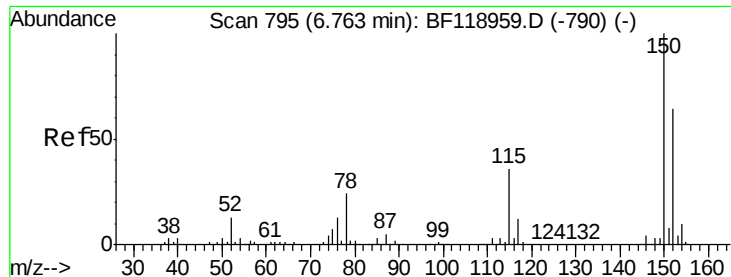
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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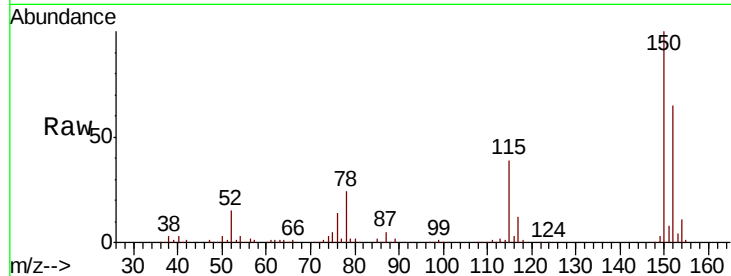


#1

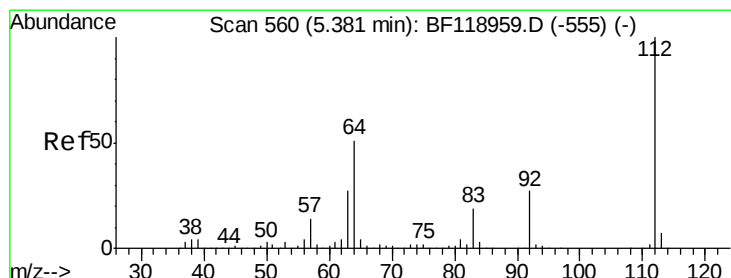
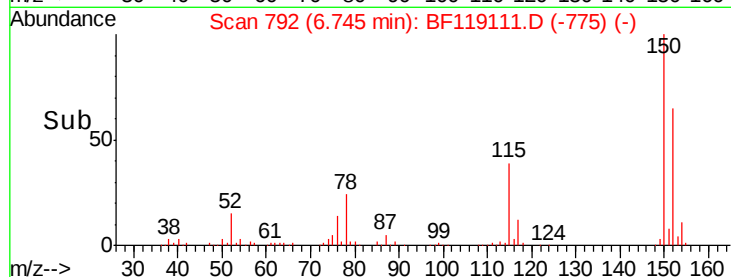
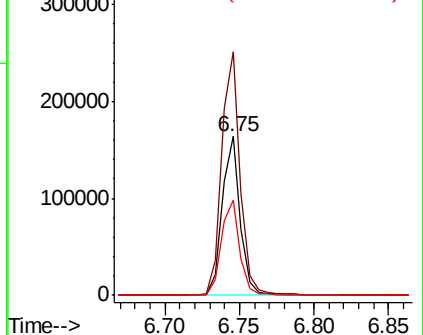
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.00 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140542
Ion Ratio Lower Upper
152 100
150 153.2 123.0 184.6
115 59.8 49.5 74.3



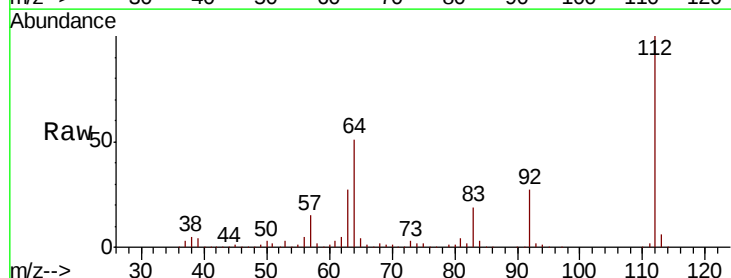
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



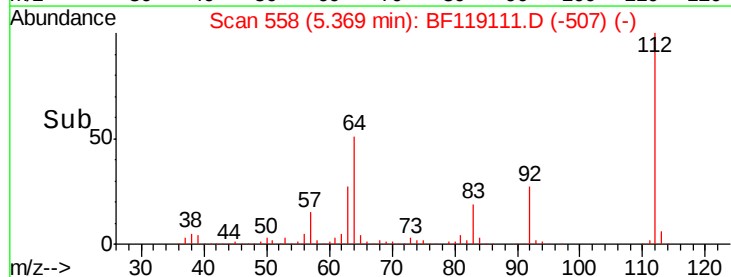
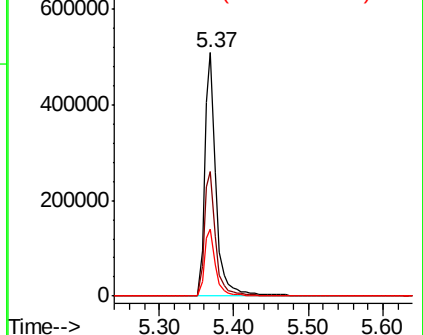
#5

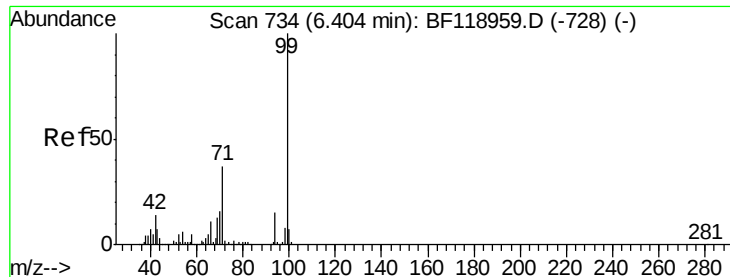
2-Fluorophenol
Concen: 64.148 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Tgt Ion:112 Resp: 539473
Ion Ratio Lower Upper
112 100
64 51.4 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: 64.465 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

Instrument :

BNA_F

ClientSampleId :

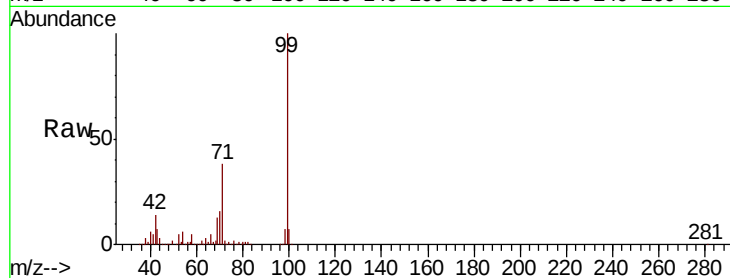
Tot Ion: 99 Resp: 659337

Ion Ratio Lower Upper

99 100

42 14.5 12.6 18.8

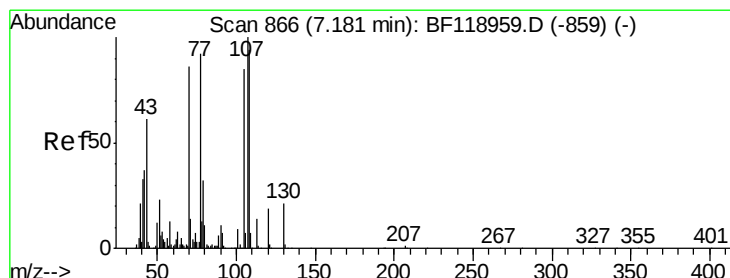
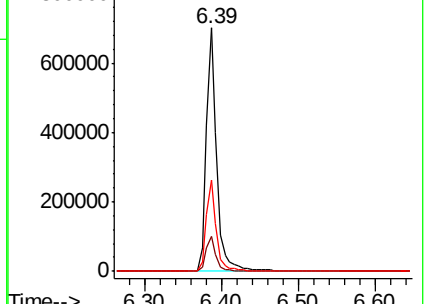
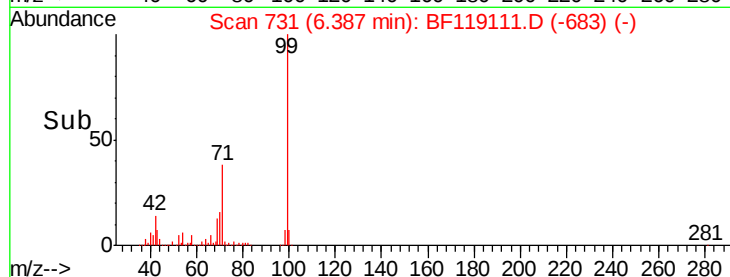
71 37.6 31.0 46.4



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: 9.692 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

Tgt Ion: 70 Resp: 57762

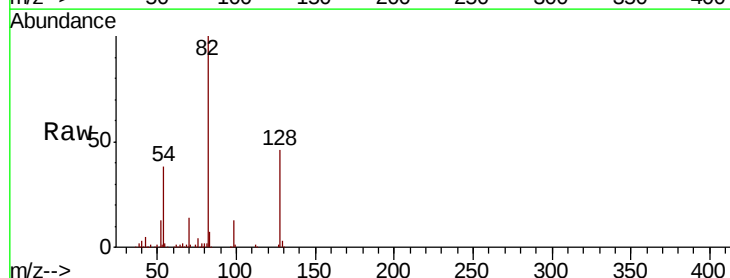
Ion Ratio Lower Upper

70 100

42 36.8 38.0 57.0#

101 0.0 8.2 12.4#

130 2.1 18.2 27.4#

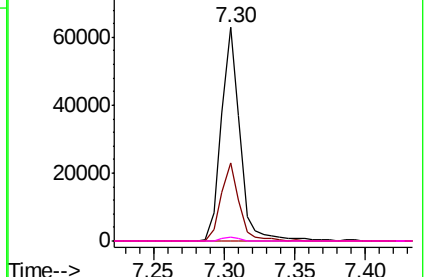
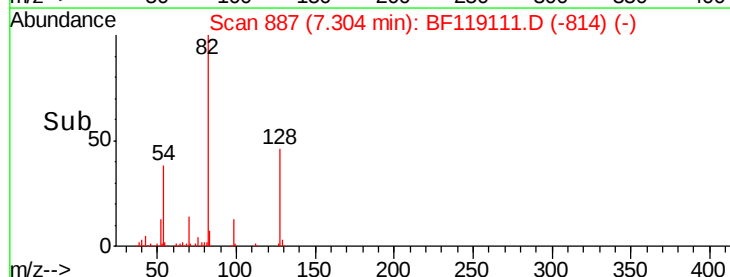


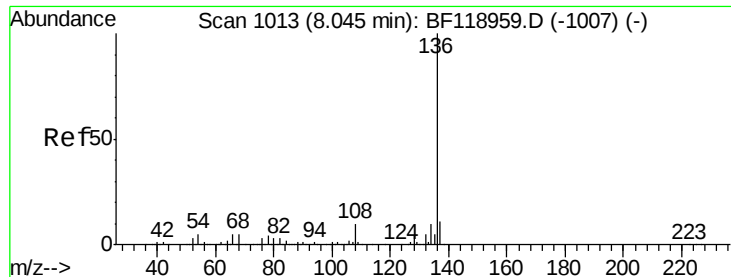
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

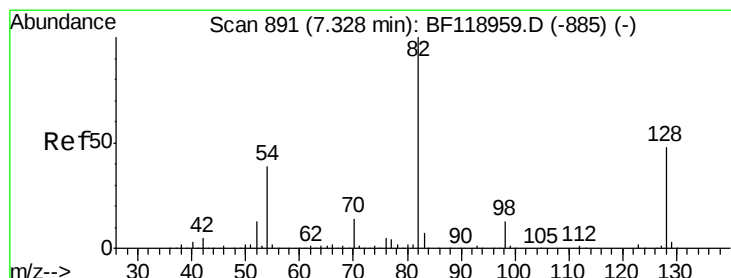
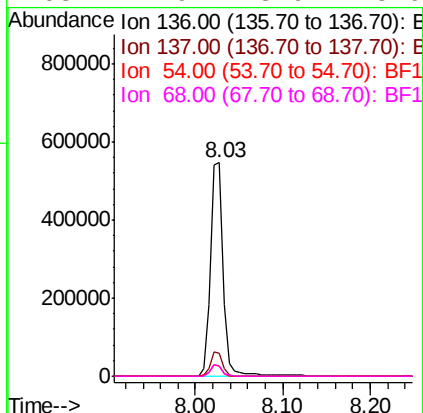
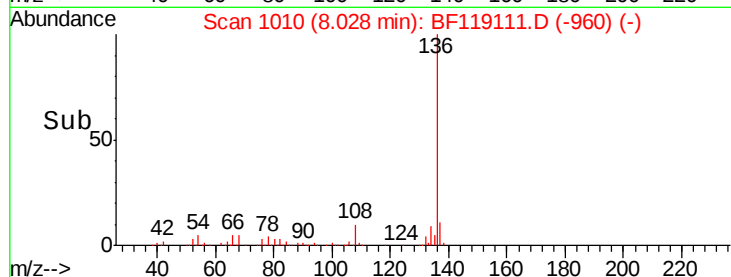
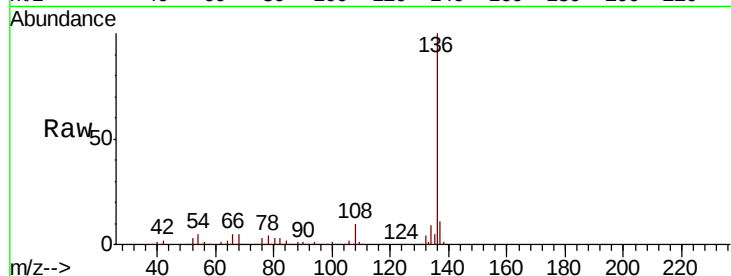




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

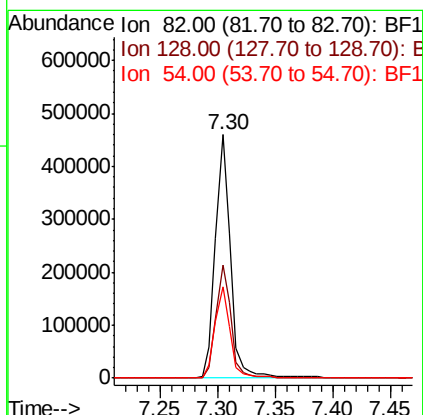
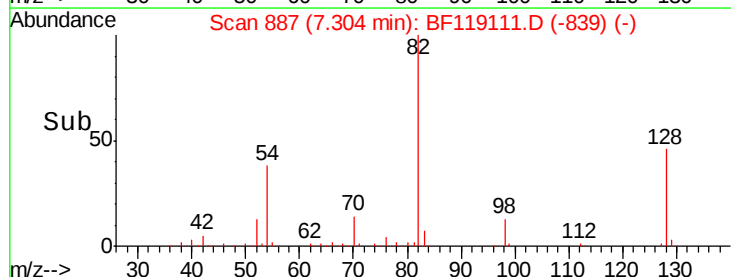
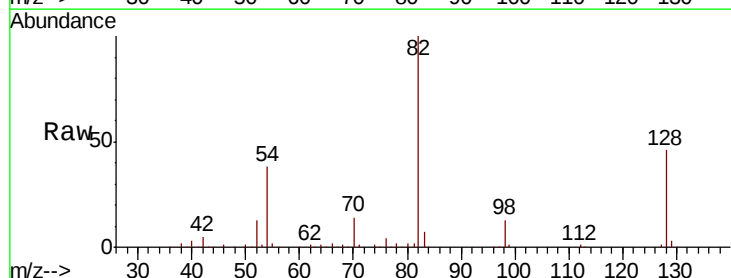
Instrument :
BNA_F
ClientSampleId :

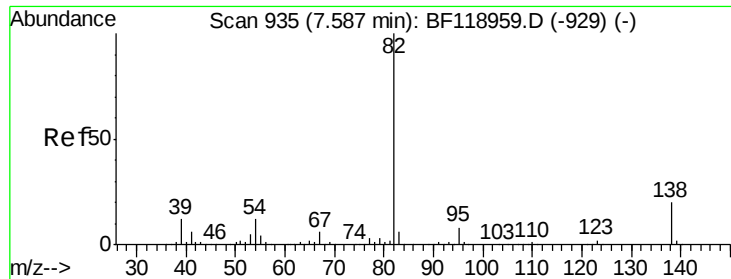
Tot Ion:136	Resp:	559754
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.8	13.2
54 4.6	3.8	5.6
68 4.9	3.9	5.9



#23
Nitrobenzene-d5
Concen: 39.800 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Tgt Ion: 82	Resp: 421932
Ion Ratio	Lower Upper
82 100	
128 46.2	37.9 56.9
54 37.6	33.4 50.2





#25

Isophorone

Concen: 22.344 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

Instrument :

BNA_F

ClientSampleId :

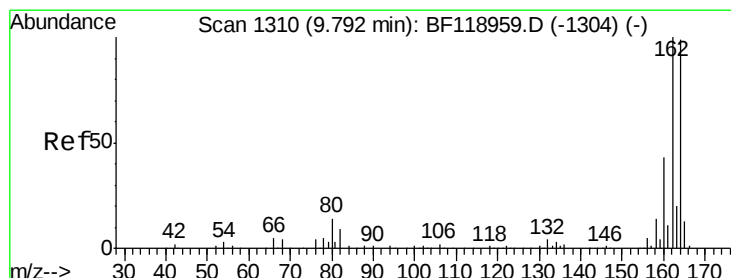
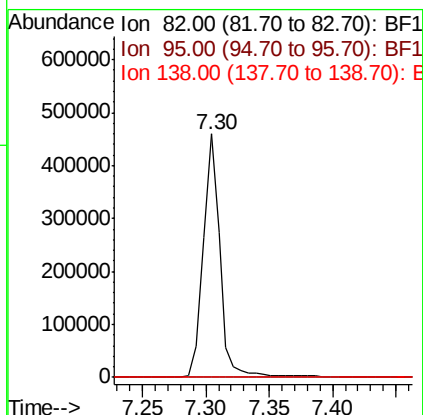
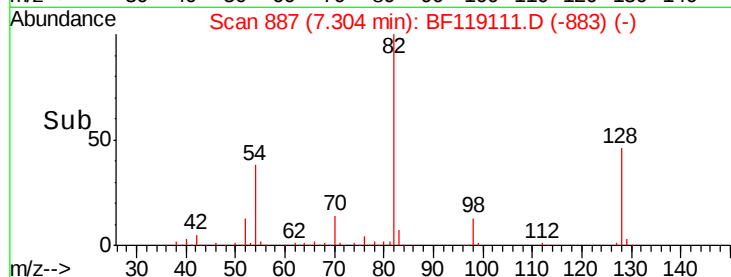
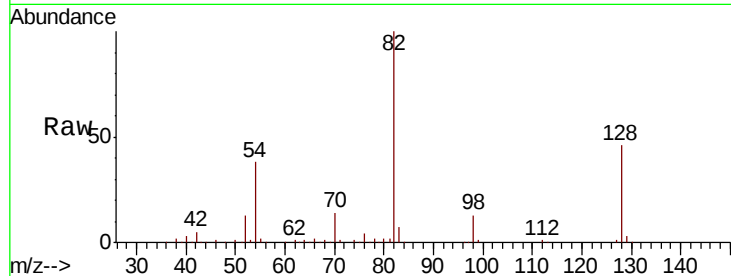
Tot Ion: 82 Resp: 411381

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

138 0.0 15.7 23.5#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

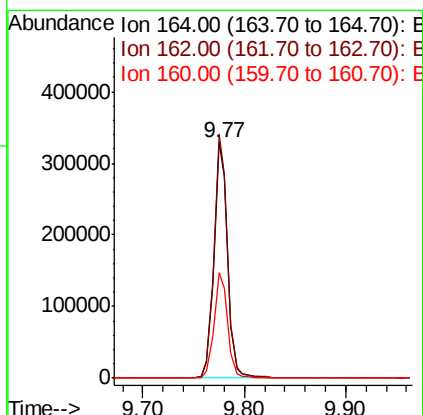
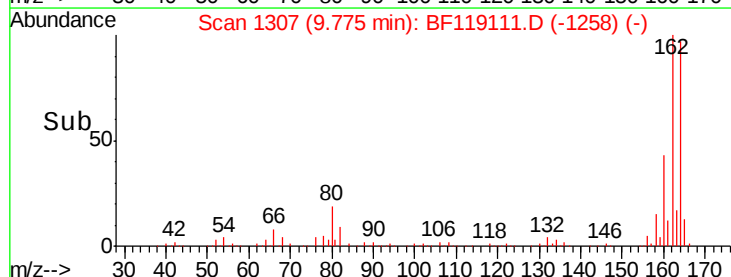
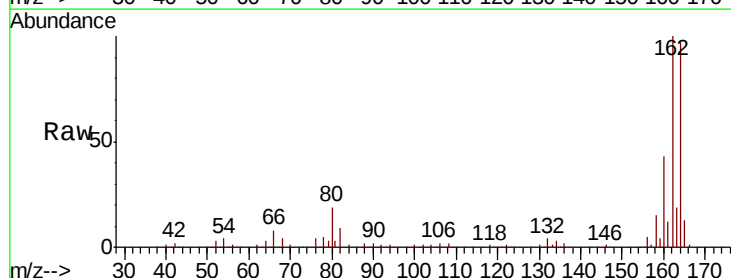
Tgt Ion: 164 Resp: 307324

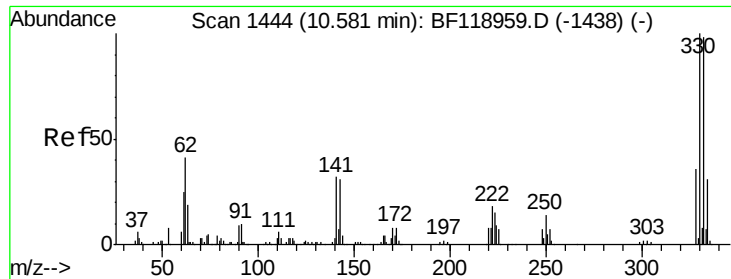
Ion Ratio Lower Upper

164 100

162 103.3 81.8 122.8

160 44.9 36.0 54.0

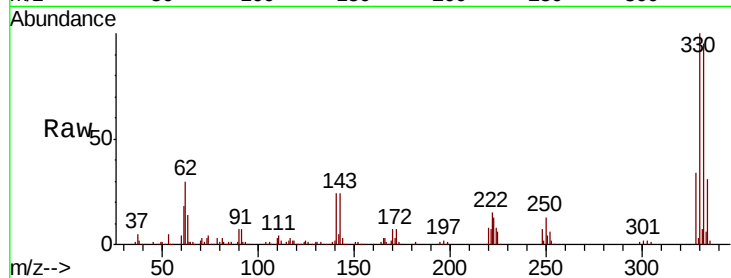




#42
 2,4,6-Tribromophenol
 Concen: 54.436 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF119111.D
 Acq: 27 Feb 2020 15:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.0	114.0
141	29.6	22.9	34.3

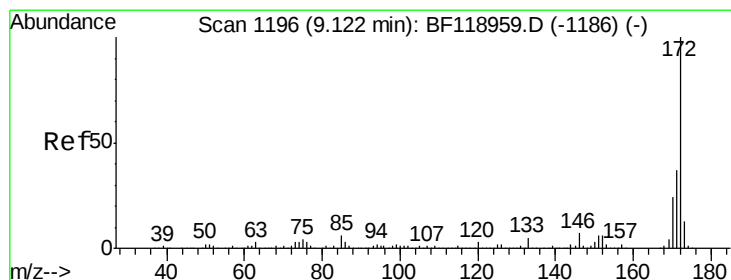
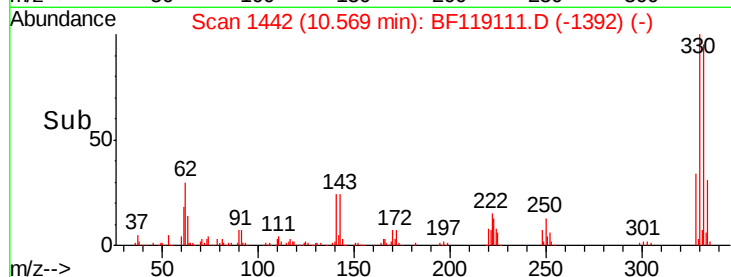
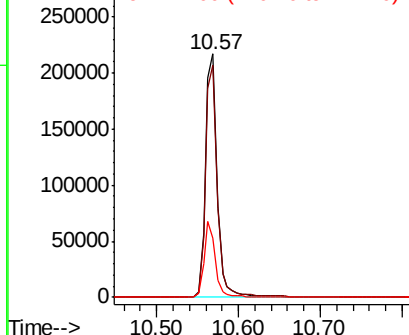


Abundance

Ion 329.80 (329.50 to 330.50): E

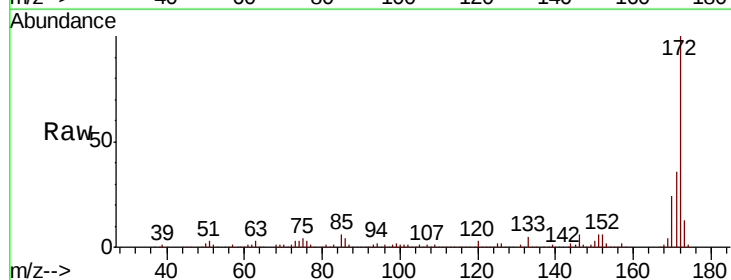
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.157 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: BF119111.D
 Acq: 27 Feb 2020 15:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.6	45.8
170	23.7	20.2	30.2

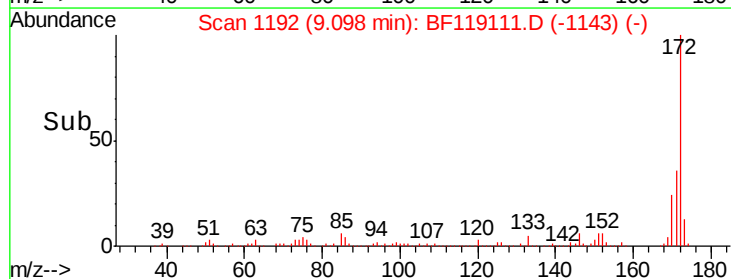
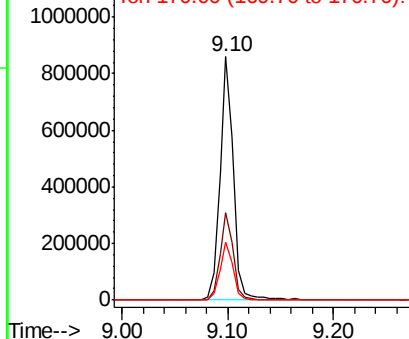


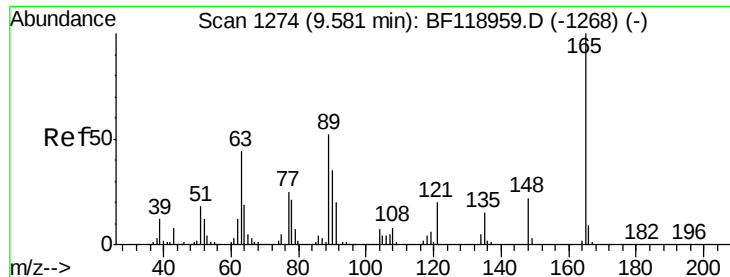
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 7.625 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.19 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

Instrument :

BNA_F

ClientSampleId :

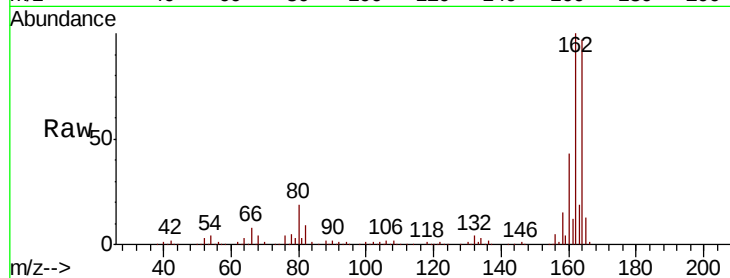
Tot Ion:165 Resp: 39813

Ion Ratio Lower Upper

165 100

63 1.1 34.3 51.5#

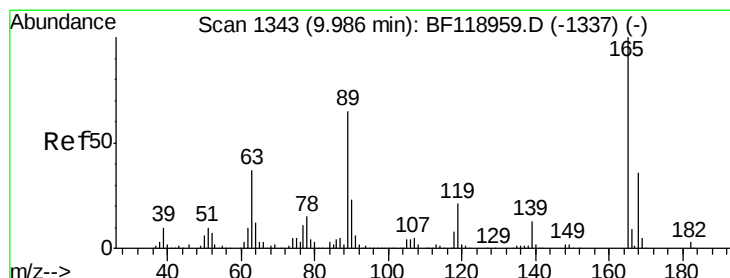
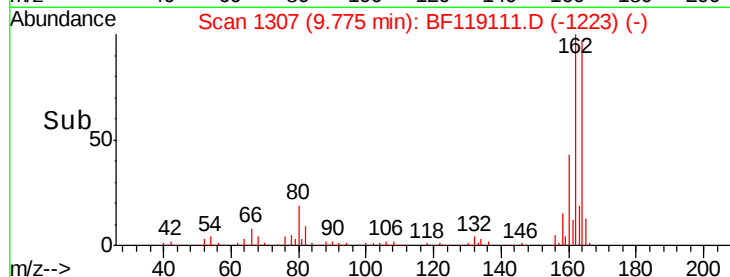
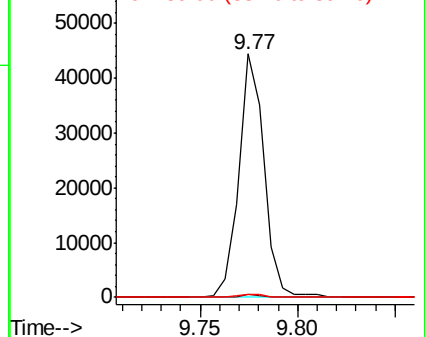
89 1.2 38.3 57.5#



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



#57

2,4-Dinitrotoluene

Concen: 5.883 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.21 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

Tgt Ion:165 Resp: 39813

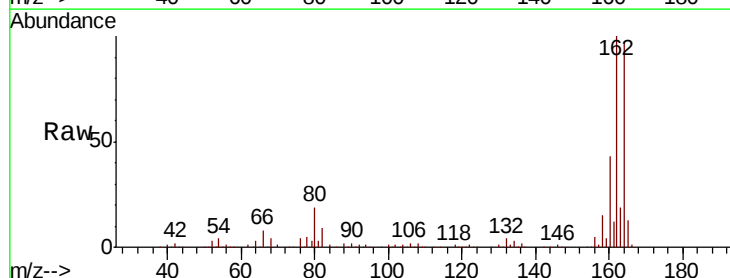
Ion Ratio Lower Upper

165 100

63 1.1 42.3 63.5#

89 1.2 60.2 90.4#

182 0.0 2.3 3.5#

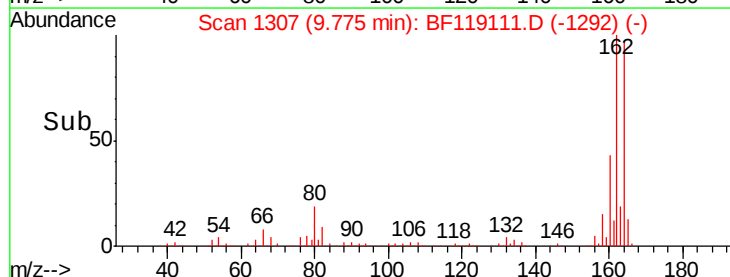
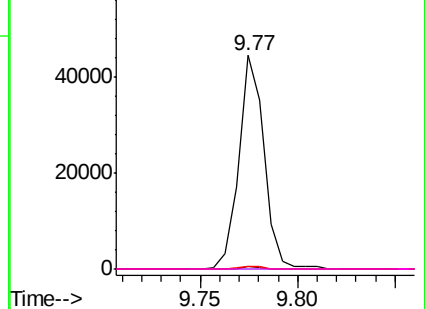


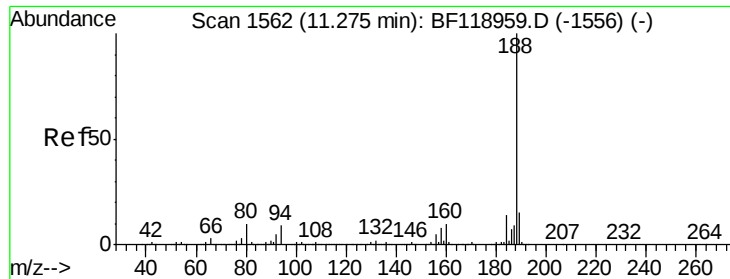
Abundance Ion 165.00 (164.70 to 165.70): E

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

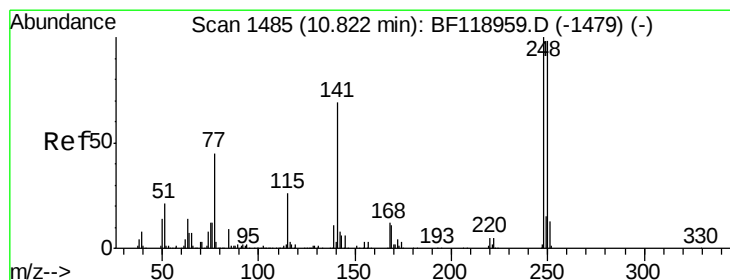
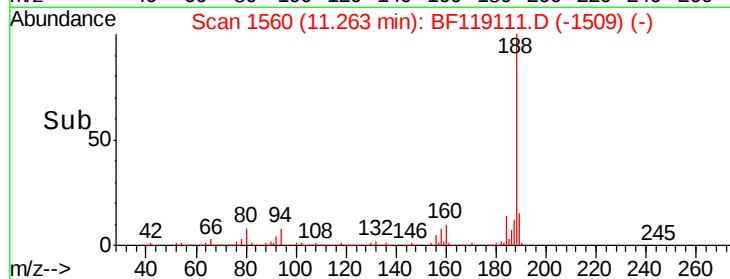
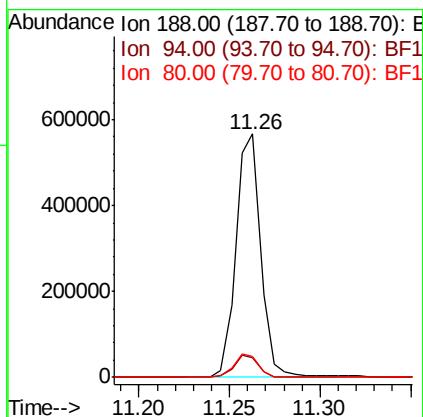
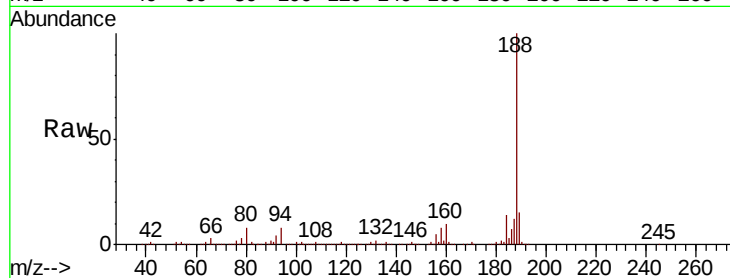




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

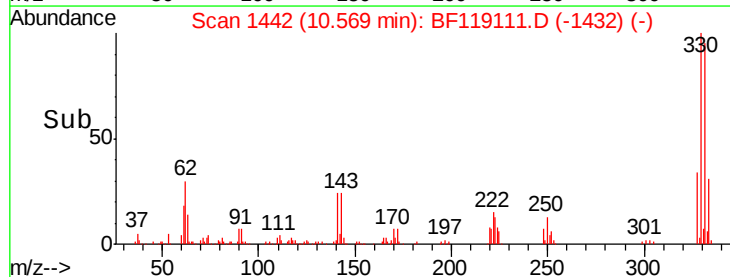
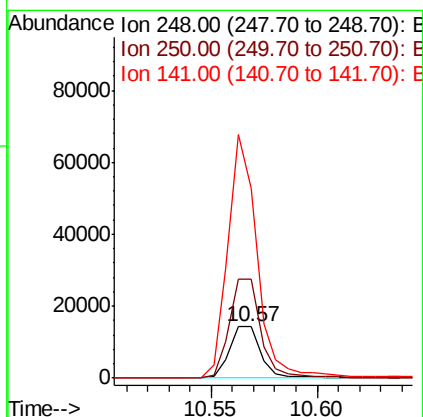
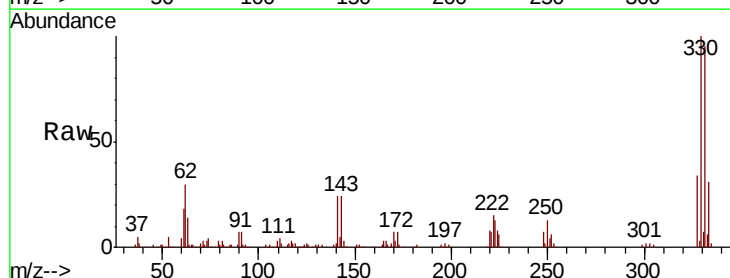
Instrument :
BNA_F
ClientSampleId :

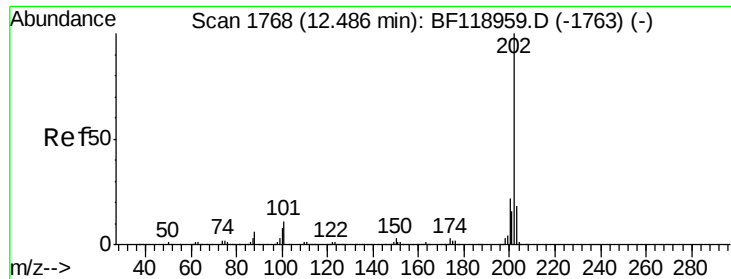
Tot Ion:188 Resp: 539470
Ion Ratio Lower Upper
188 100
94 8.0 7.1 10.7
80 8.4 7.8 11.8



#67
4-Bromophenyl-phenylether
Concen: 2.073 ng
RT: 10.57 min Scan# 1442
Delta R.T. -0.24 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Tgt Ion:248 Resp: 14621
Ion Ratio Lower Upper
248 100
250 191.4 76.7 115.1#
141 367.7 60.7 91.1#





#75

Fluoranthene

Concen: 2.783 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

Instrument :

BNA_F

ClientSampleId :

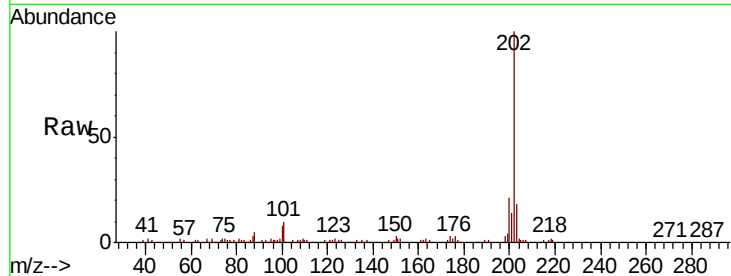
Tot Ion:202 Resp: 86913

Ion Ratio Lower Upper

202 100

101 9.7 0.0 30.3

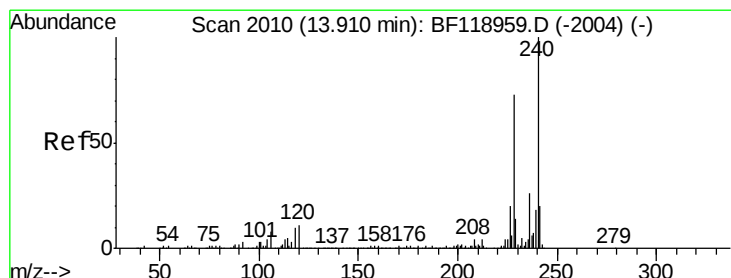
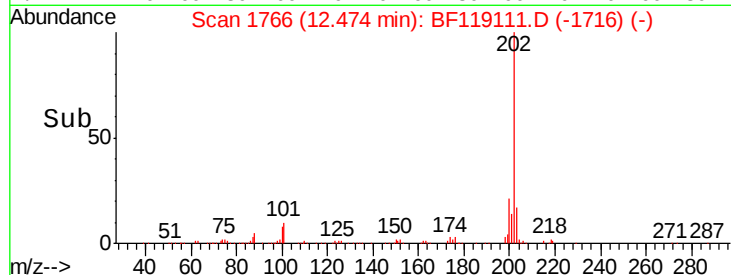
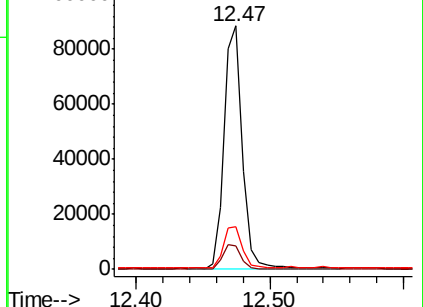
203 17.7 0.0 38.4



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF119111.D

Acq: 27 Feb 2020 15:43

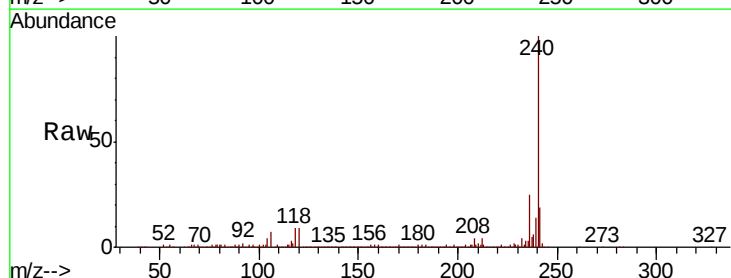
Tgt Ion:240 Resp: 379752

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

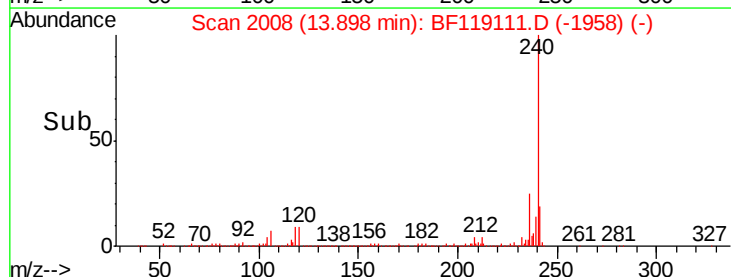
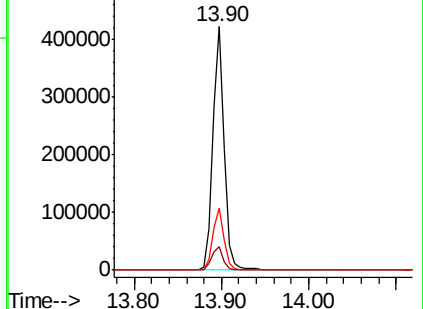
236 25.4 21.0 31.4

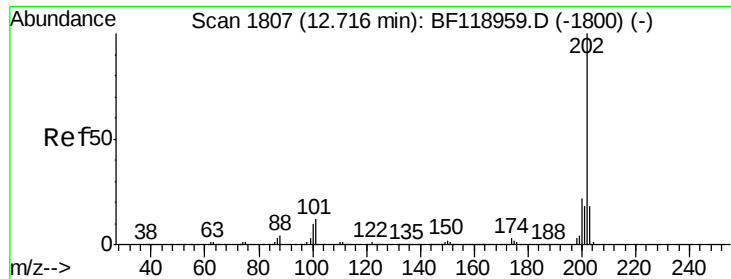


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

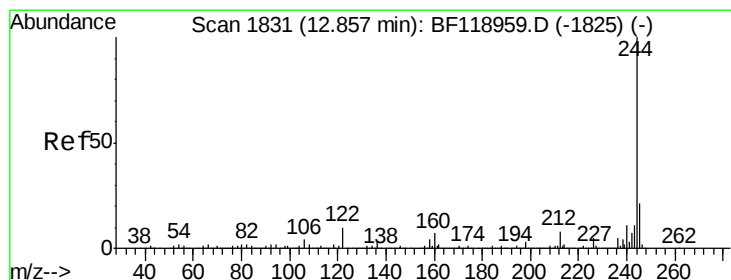
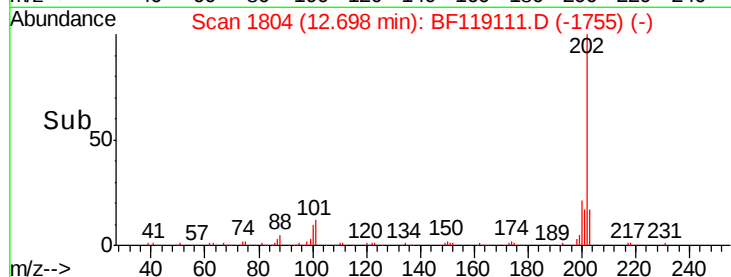
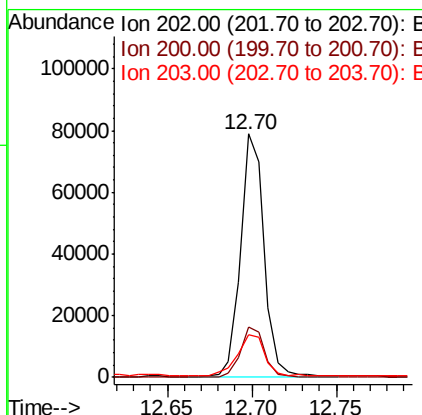
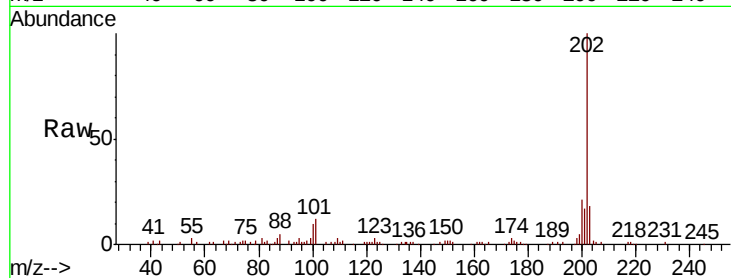




#78
Pvrene
Concen: 2.537 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

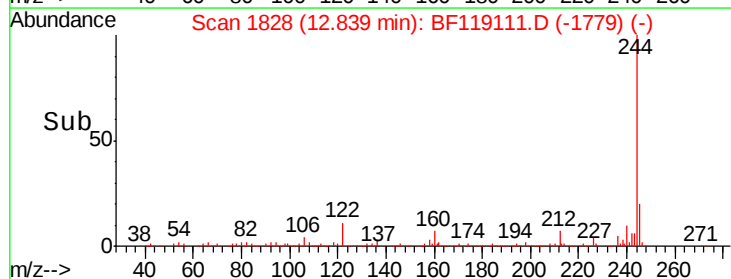
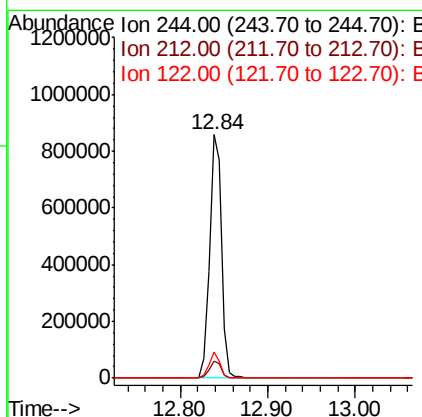
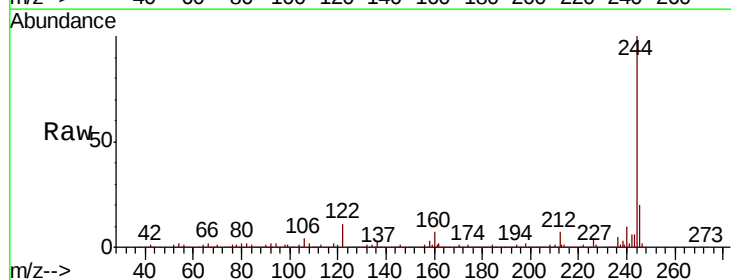
Instrument :
BNA_F
ClientSampleId :

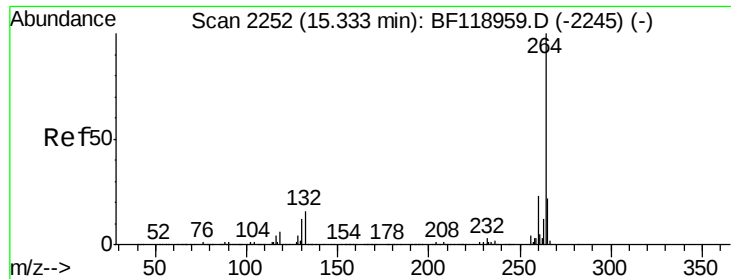
Tot Ion:202 Resp: 77358
Ion Ratio Lower Upper
202 100
200 20.8 18.0 27.0
203 17.6 14.6 22.0



#79
Terphenyl-d14
Concen: 36.791 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Tgt Ion:244 Resp: 811497
Ion Ratio Lower Upper
244 100
212 7.0 6.6 10.0
122 10.8 8.2 12.2

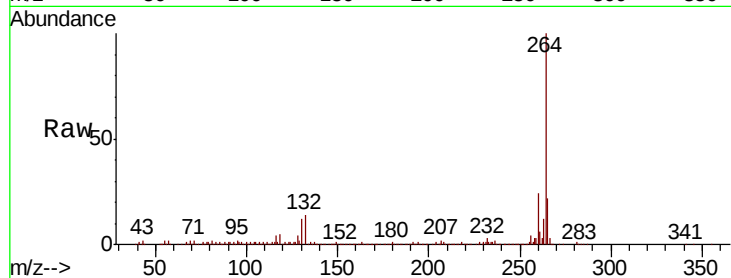




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.7	17.7	26.5

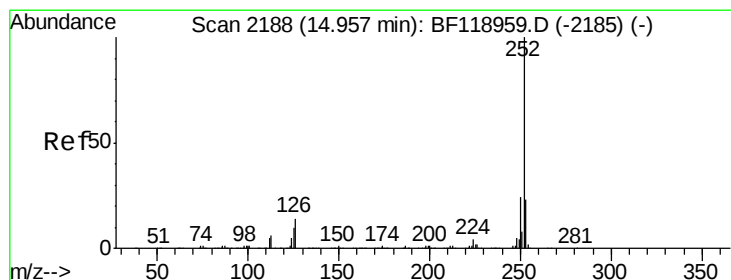
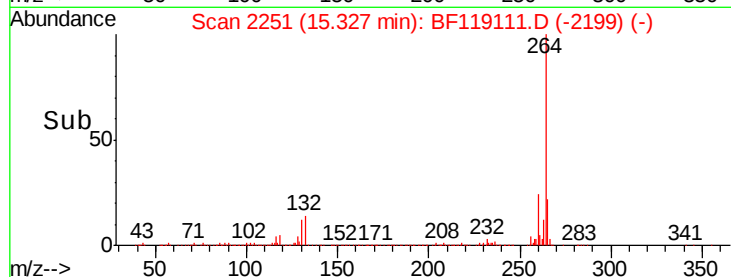
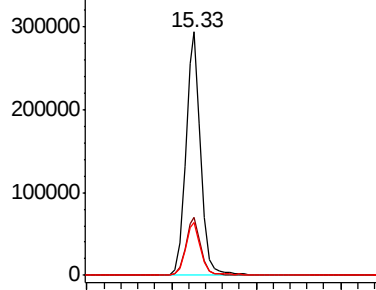


Abundance

Ion 264.00 (263.70 to 264.70): E

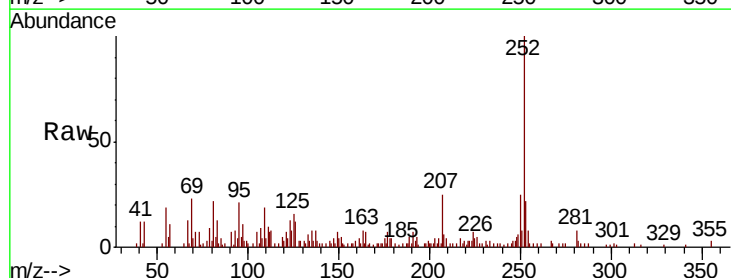
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#89
Benzo(k)fluoranthene
Concen: 2.042 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.03 min
Lab File: BF119111.D
Acq: 27 Feb 2020 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	16.1	7.5	11.3#



Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

