

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118331.D
 Acq On : 26 Dec 2019 22:08
 Operator : JU
 Sample : K6436-06 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 27 03:27:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

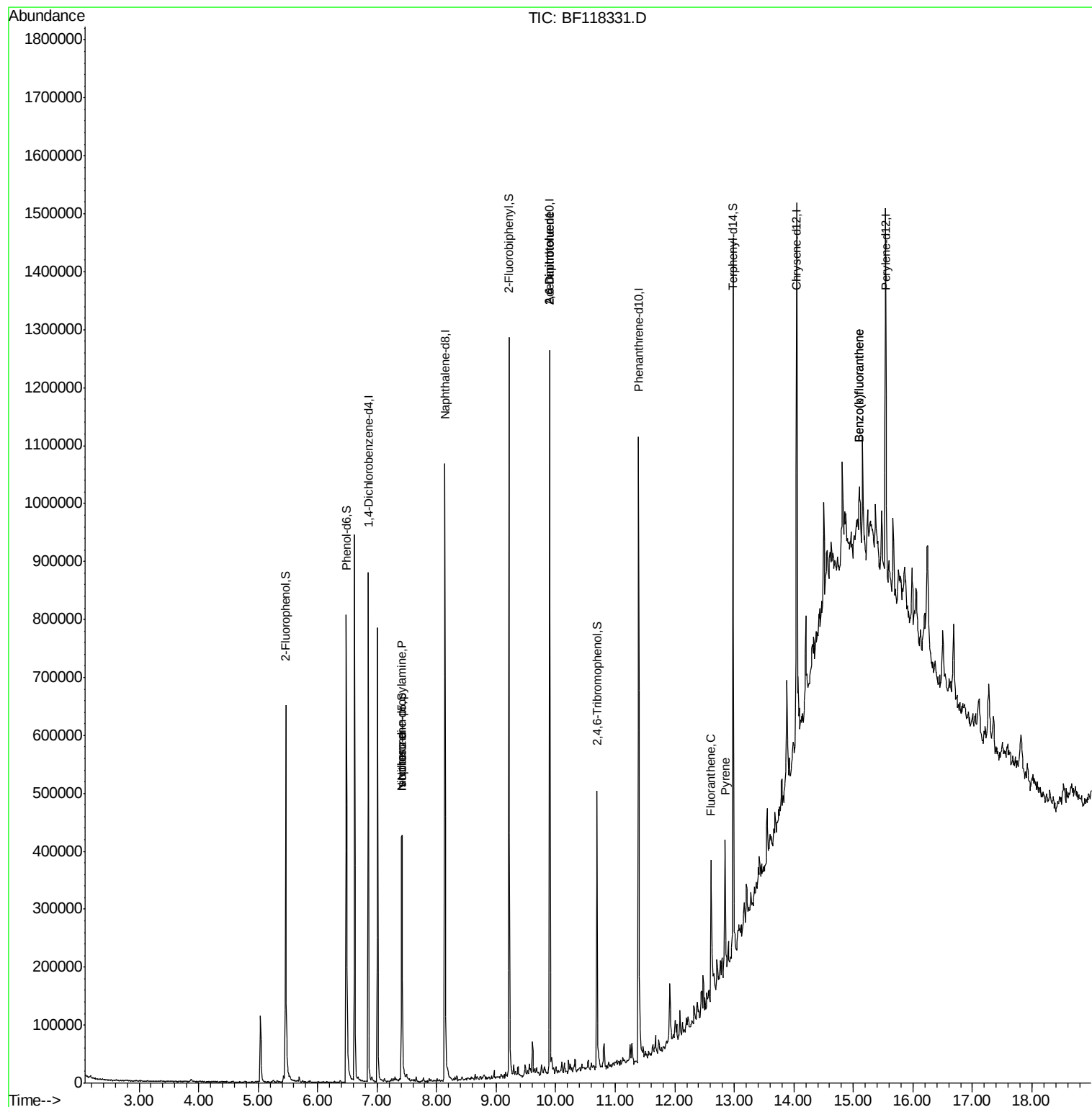
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	122363	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	485930	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	239602	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	381994	20.00	ng	0.00
76) Chrysene-d12	14.04	240	303630	20.00	ng	0.00
87) Perylene-d12	15.54	264	222293	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	231594	32.31	ng	0.00
7) Phenol-d6	6.48	99	296142	33.30	ng	0.00
23) Nitrobenzene-d5	7.42	82	167859	19.76	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	61242	20.70	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	381228	24.29	ng	0.00
79) Terphenyl-d14	12.98	244	378325	20.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	22952	4.190	ng	# 78
25) Isophorone	7.42	82	167858	11.337	ng	# 62
51) 2,6-Dinitrotoluene	9.90	165	32166	8.295	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	32166	6.208	ng	# 29
75) Fluoranthene	12.61	202	90822	4.321	ng	96
78) Pyrene	12.85	202	79914	3.223	ng	98
88) Benzo(b)fluoranthene	15.10	252	41434	2.808	ng	# 40
89) Benzo(k)fluoranthene	15.10	252	41434	2.924	ng	# 42

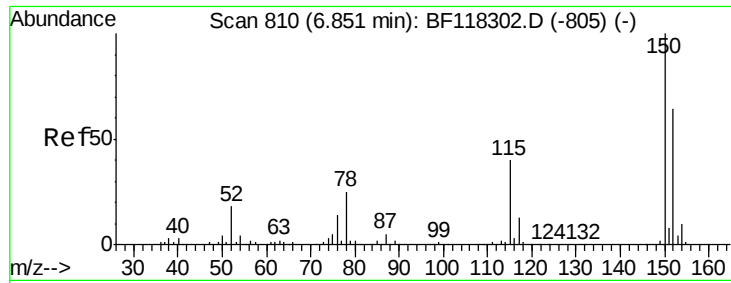
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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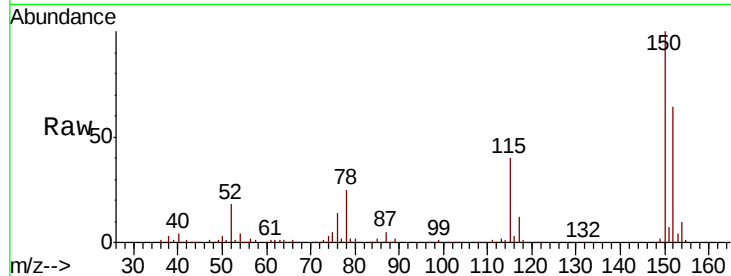


#1

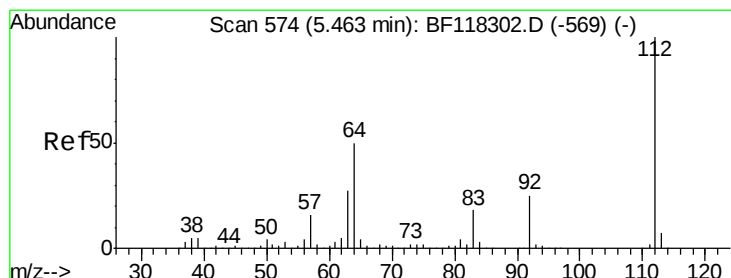
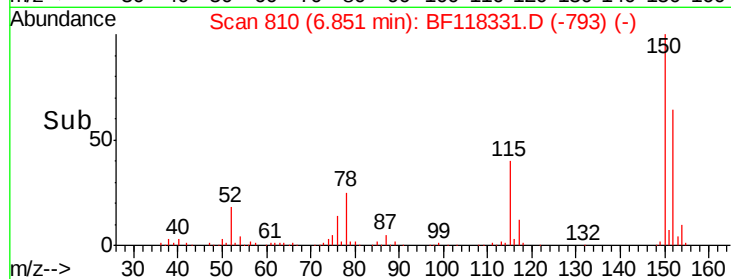
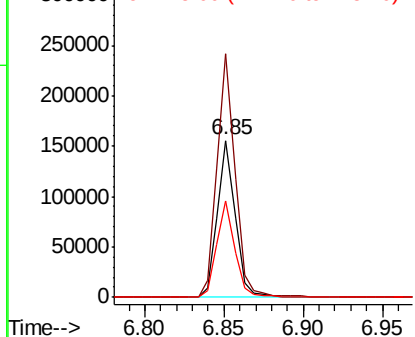
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 122363
Ion Ratio Lower Upper
152 100
150 155.5 125.4 188.2
115 61.6 50.2 75.4



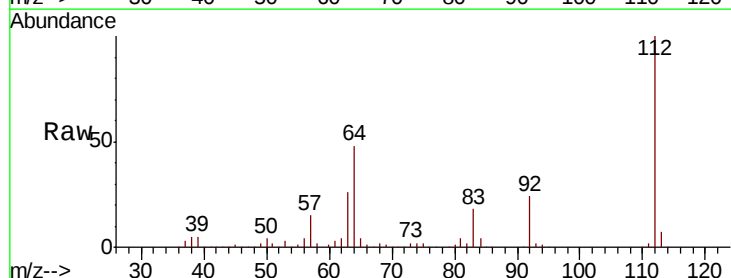
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



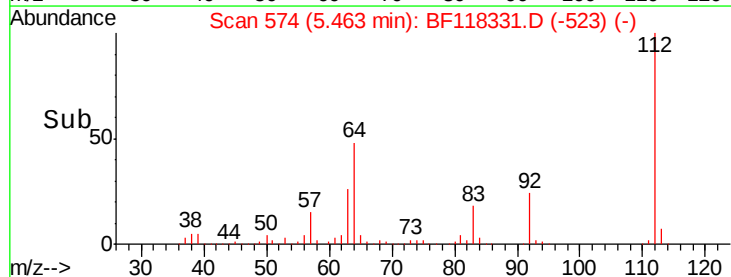
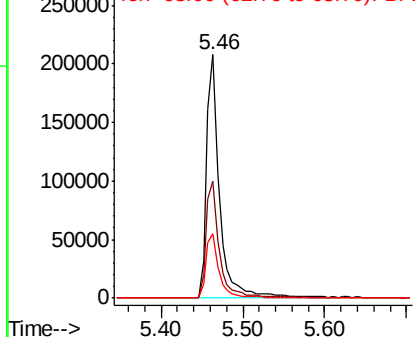
#5

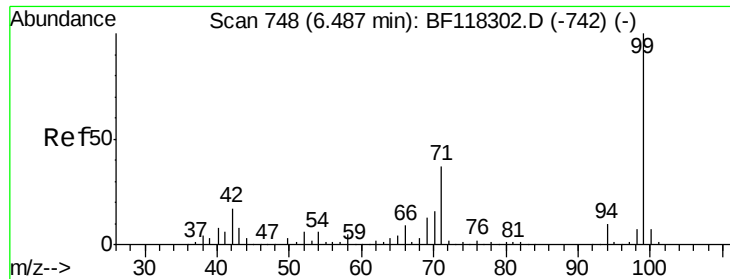
2-Fluorophenol
Concen: 32.308 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Tgt Ion:112 Resp: 231594
Ion Ratio Lower Upper
112 100
64 47.9 39.7 59.5
63 26.3 21.7 32.5



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: 33.302 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118331.D

Acq: 26 Dec 2019 22:08

Instrument :

BNA_F

ClientSampleId :

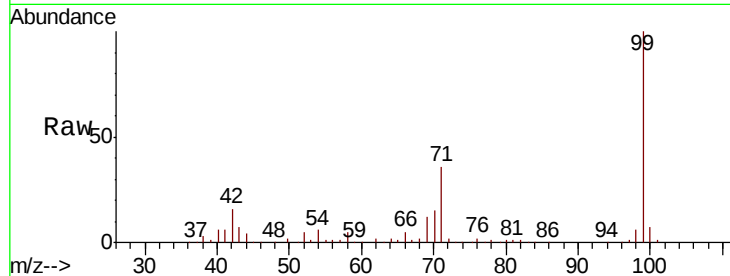
Tot Ion: 99 Resp: 296142

Ion Ratio Lower Upper

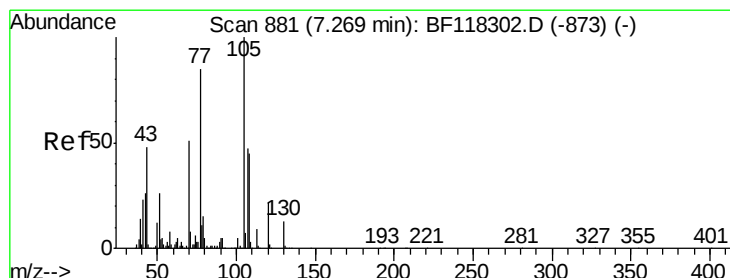
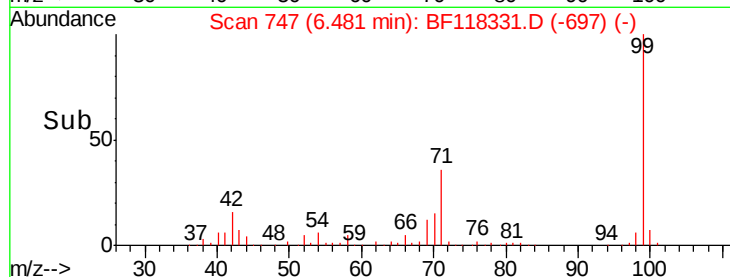
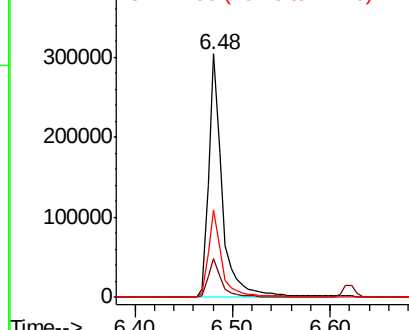
99 100

42 15.9 13.5 20.3

71 36.2 29.4 44.2



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: 4.190 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF118331.D

Acq: 26 Dec 2019 22:08

Tgt Ion: 70 Resp: 22952

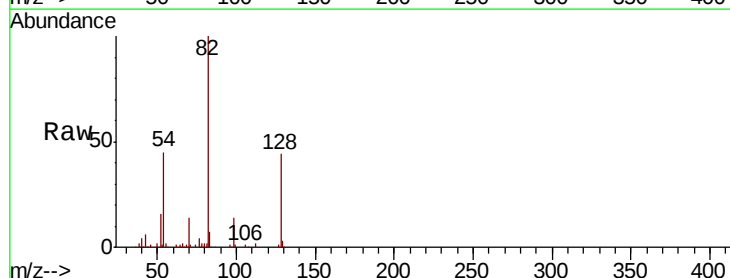
Ion Ratio Lower Upper

70 100

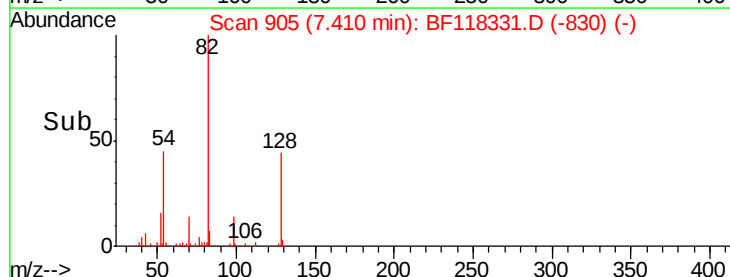
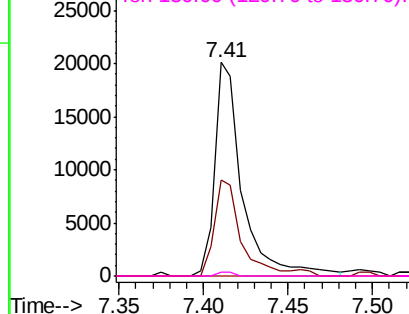
42 45.1 41.1 61.7

101 0.0 8.3 12.5#

130 1.8 20.1 30.1#



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

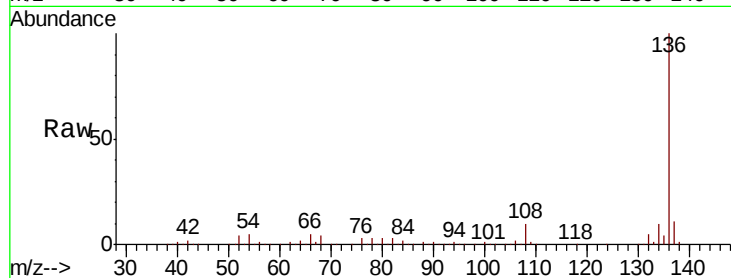




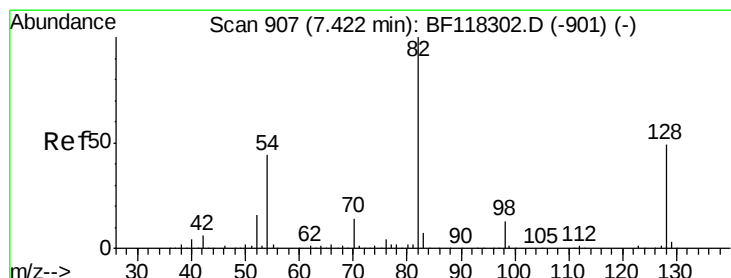
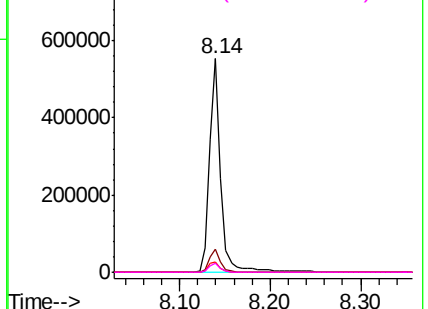
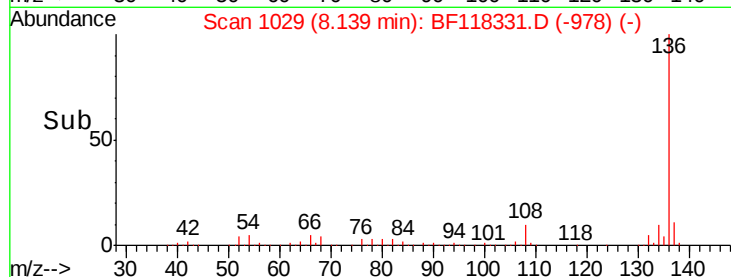
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	485930
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	5.0	4.2 6.4
68	4.3	3.5 5.3

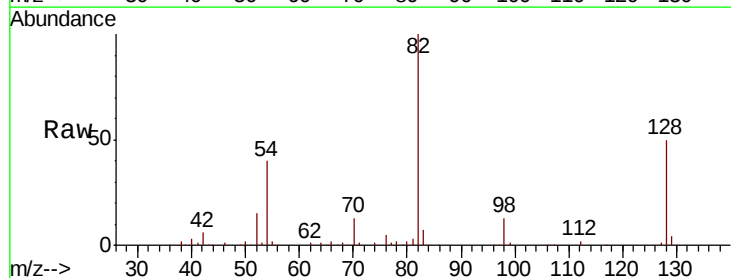


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

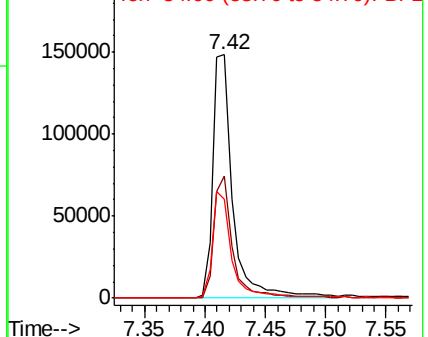
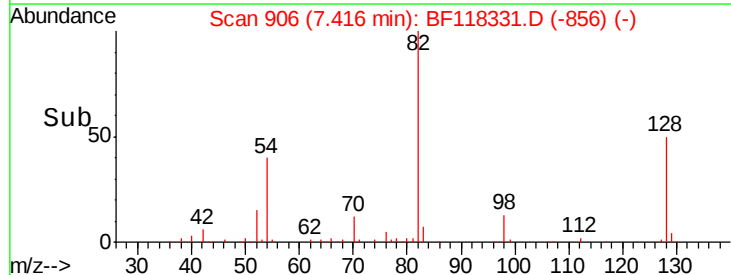


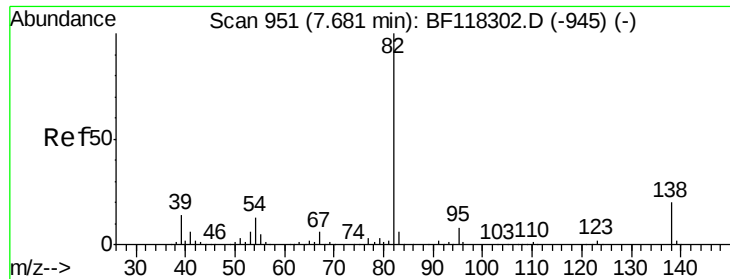
#23
Nitrobenzene-d5
Concen: 19.757 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Tgt Ion: 82	Resp:	167859
Ion	Ratio	Lower Upper
82	100	
128	50.1	39.6 59.4
54	40.4	34.9 52.3



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: 11.337 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118331.D

Acq: 26 Dec 2019 22:08

Instrument :

BNA_F

ClientSampleId :

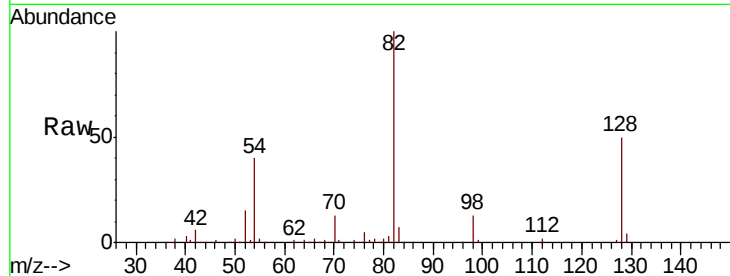
Tot Ion: 82 Resp: 167858

Ion Ratio Lower Upper

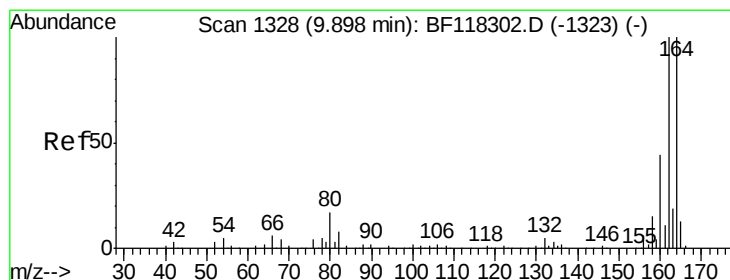
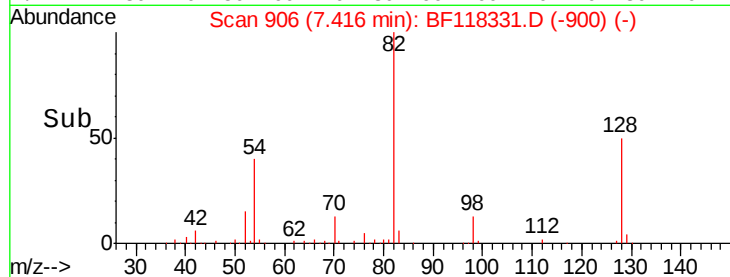
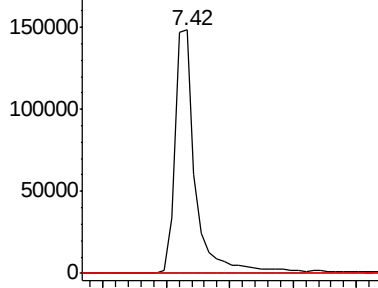
82 100

95 0.0 6.3 9.5#

138 0.0 16.2 24.2#



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: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118331.D

Acq: 26 Dec 2019 22:08

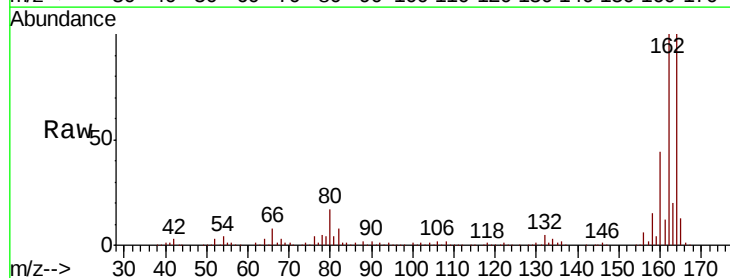
Tgt Ion: 164 Resp: 239602

Ion Ratio Lower Upper

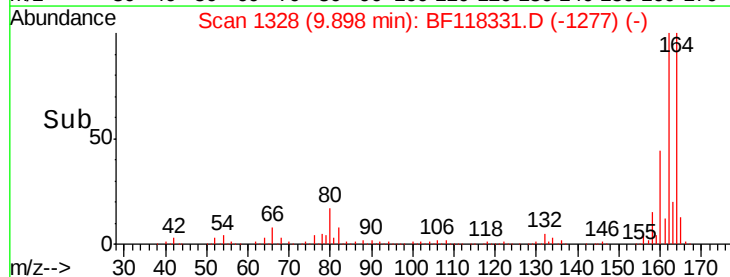
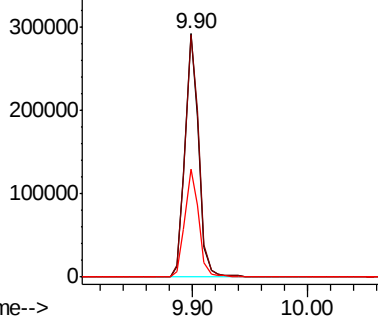
164 100

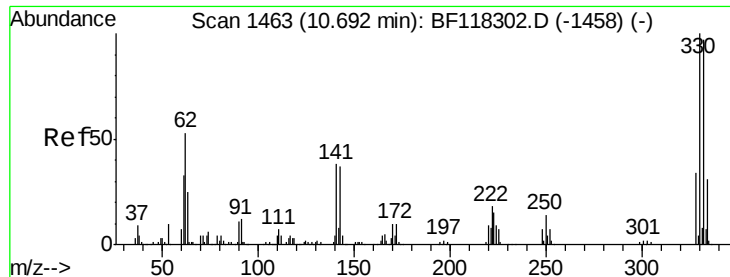
162 99.6 80.0 120.0

160 44.5 34.8 52.2



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

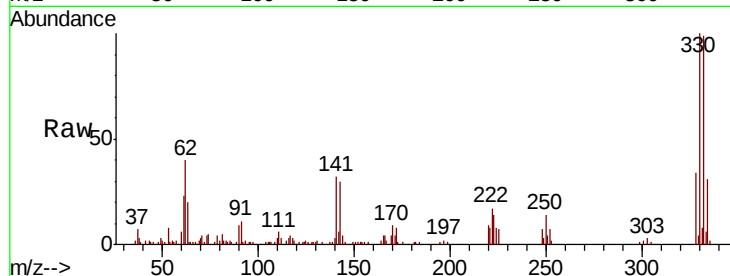




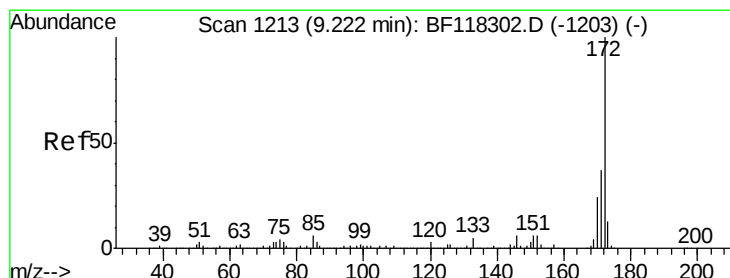
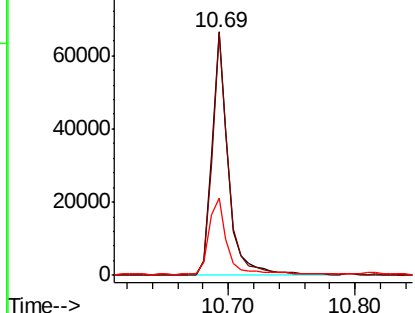
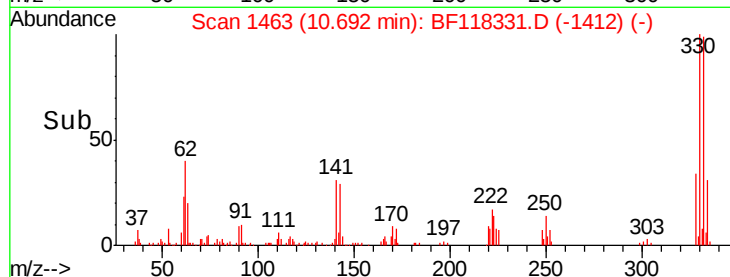
#42
 2,4,6-Tribromophenol
 Concen: 20.697 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: BF118331.D
 Acq: 26 Dec 2019 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 61242
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 114.8
 141 37.5 26.0 39.0

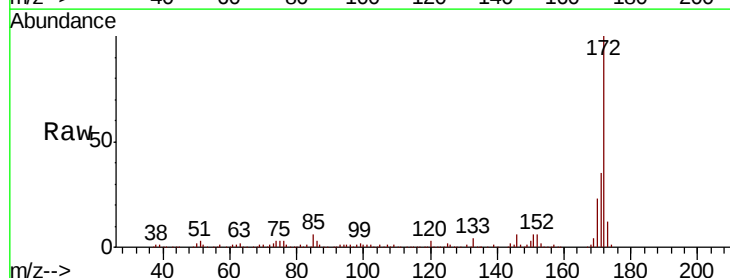


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

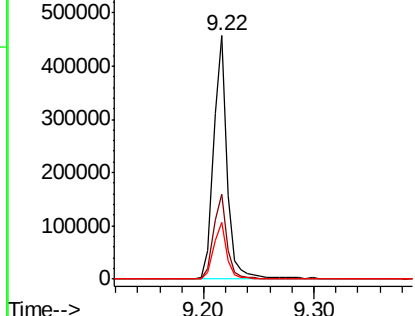
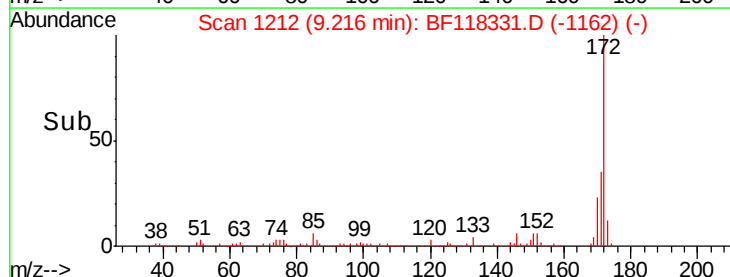


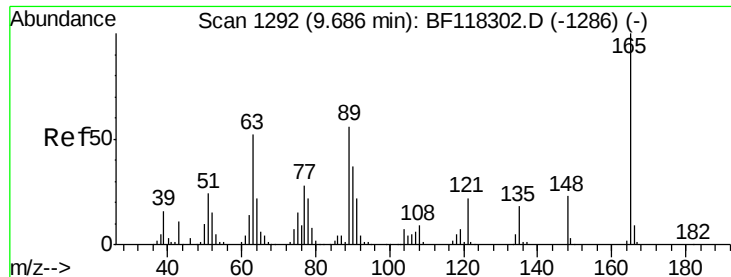
#45
 2-Fluorobiphenyl
 Concen: 24.288 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118331.D
 Acq: 26 Dec 2019 22:08

Tgt Ion:172 Resp: 381228
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.3 43.9
 170 23.3 19.2 28.8



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: 8.295 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF118331.D

Acq: 26 Dec 2019 22:08

Instrument :

BNA_F

ClientSampleId :

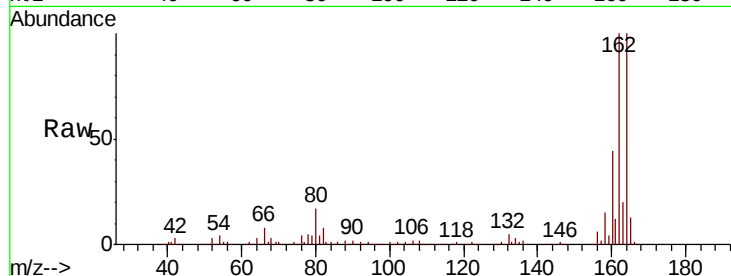
Tot Ion:165 Resp: 32166

Ion Ratio Lower Upper

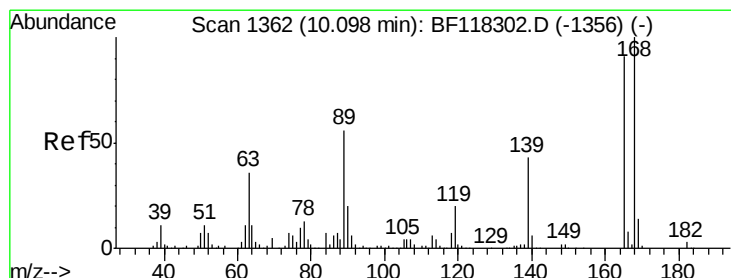
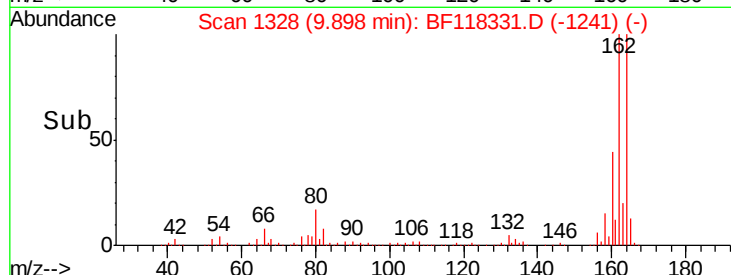
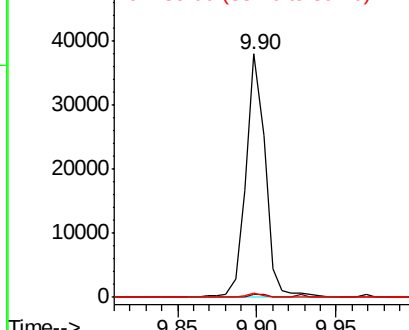
165 100

63 1.1 42.2 63.4#

89 1.5 44.4 66.6#



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: 6.208 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.20 min

Lab File: BF118331.D

Acq: 26 Dec 2019 22:08

Tgt Ion:165 Resp: 32166

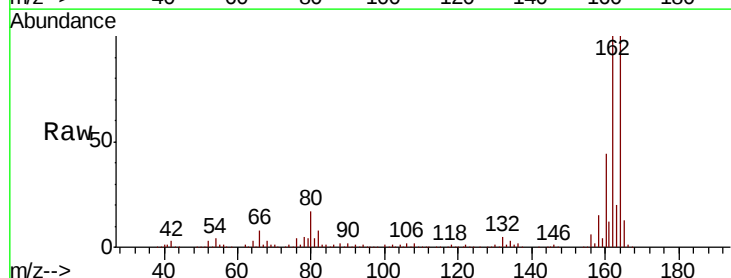
Ion Ratio Lower Upper

165 100

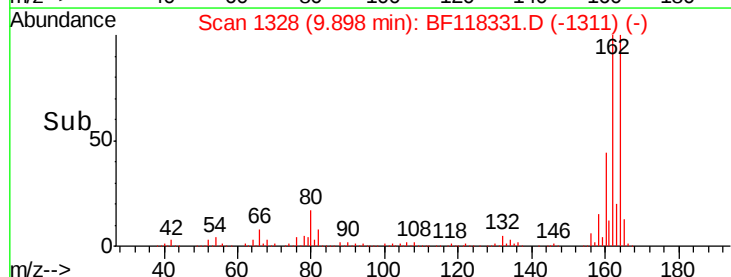
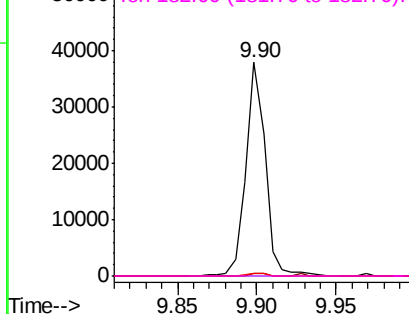
63 1.1 32.0 48.0#

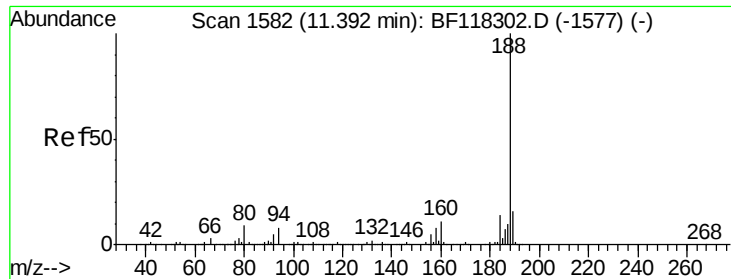
89 1.5 49.3 73.9#

182 0.0 2.4 3.6#



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

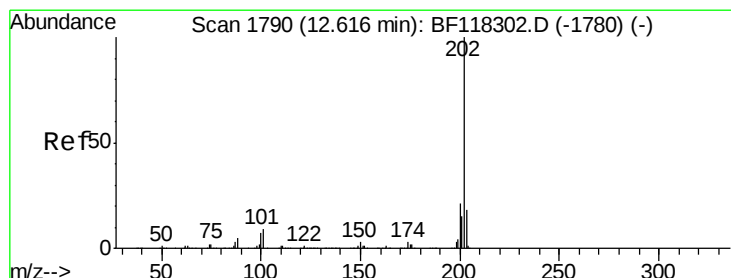
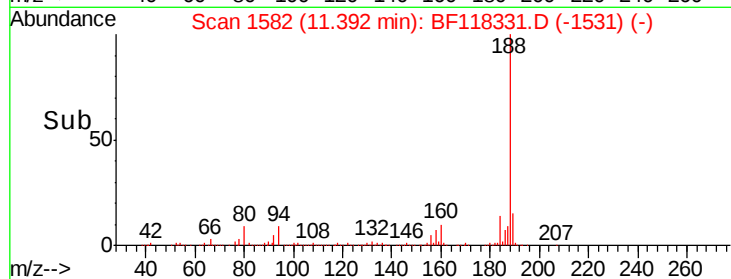
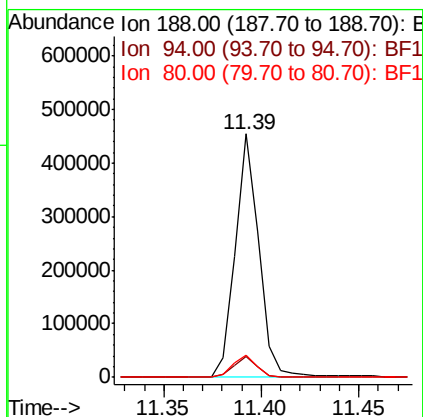
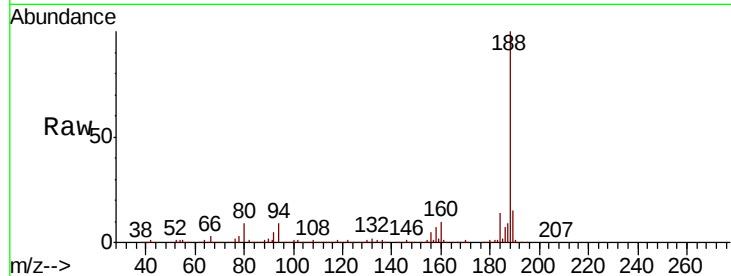




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

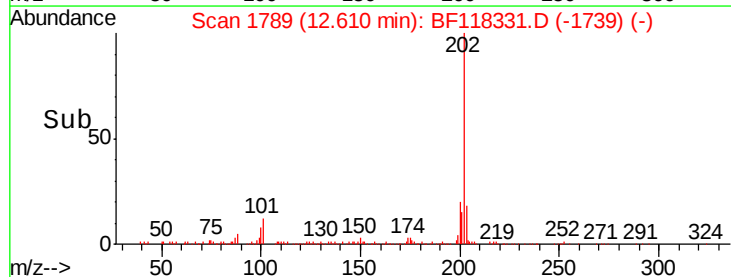
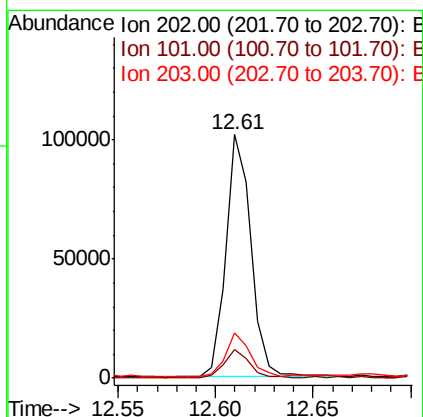
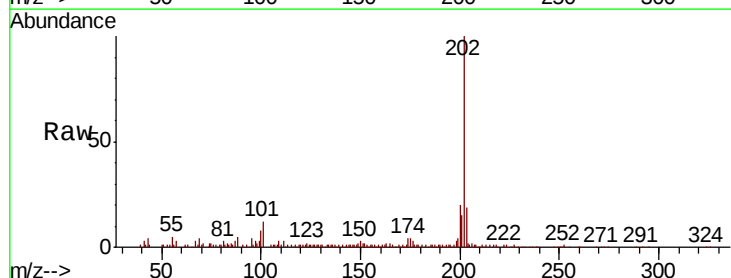
Instrument :
BNA_F
ClientSampleId :

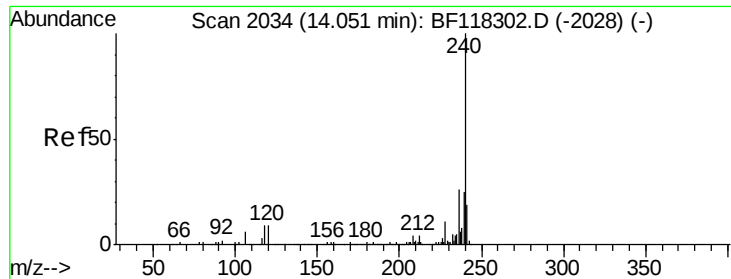
Tot Ion:188 Resp: 381994
Ion Ratio Lower Upper
188 100
94 8.6 6.7 10.1
80 8.9 7.2 10.8



#75
Fluoranthene
Concen: 4.321 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.01 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Tgt Ion:202 Resp: 90822
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.5
203 18.7 0.0 37.6

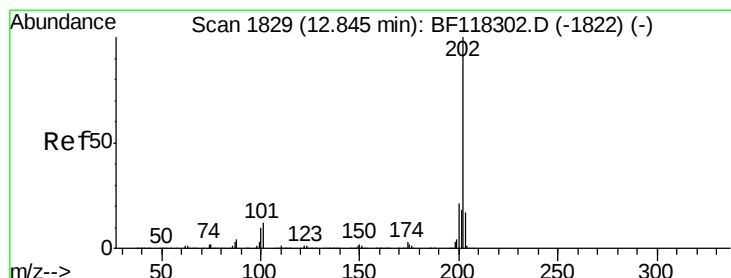
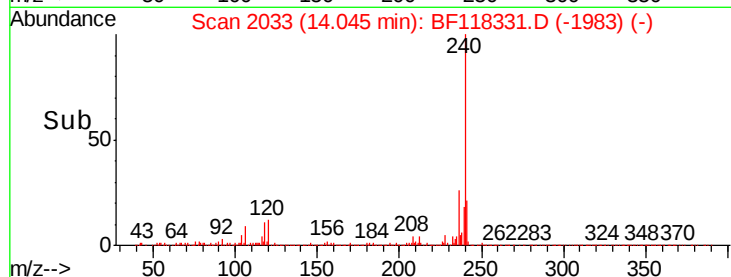
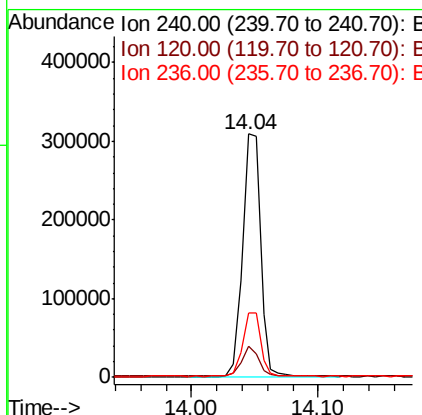
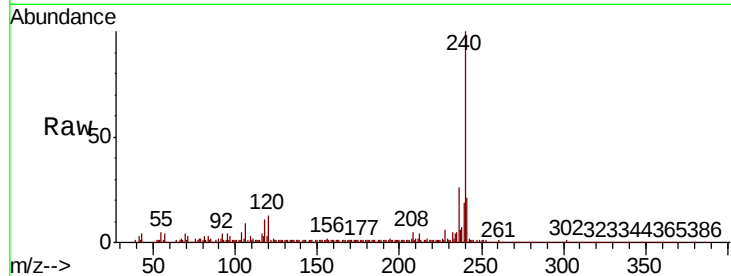




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

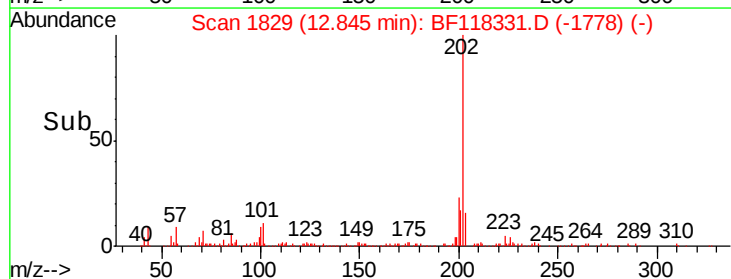
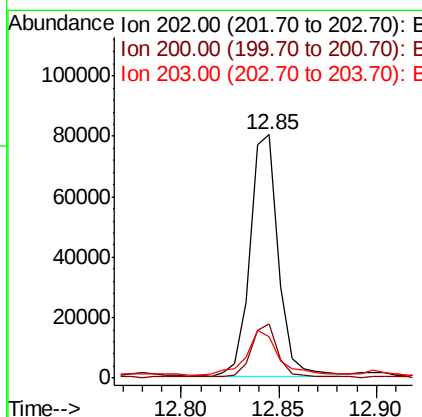
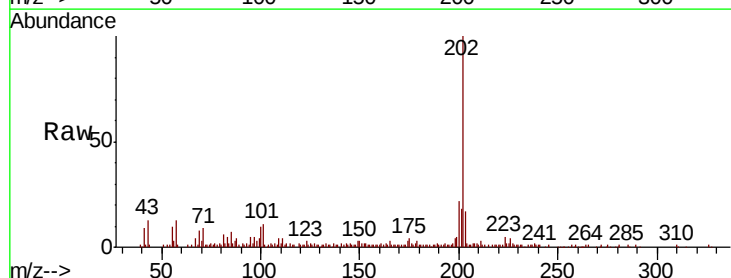
Instrument :
BNA_F
ClientSampleId :

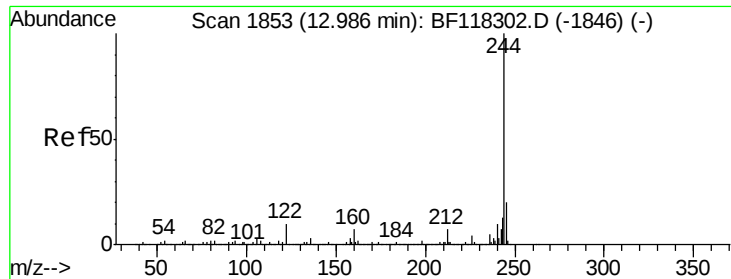
Tot Ion:240 Resp: 303630
Ion Ratio Lower Upper
240 100
120 12.5 7.1 10.7#
236 26.4 21.0 31.6



#78
Pyrene
Concen: 3.223 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Tgt Ion:202 Resp: 79914
Ion Ratio Lower Upper
202 100
200 22.3 16.8 25.2
203 17.1 13.9 20.9

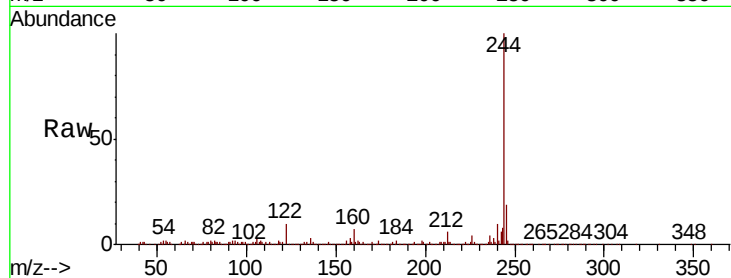




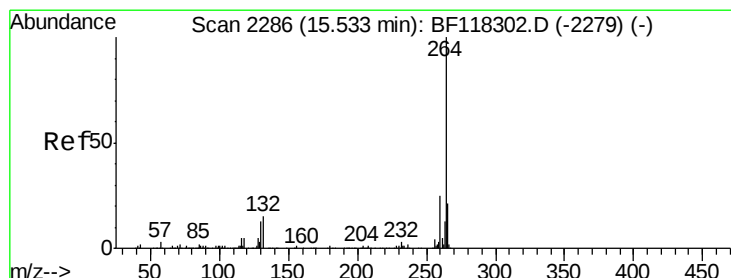
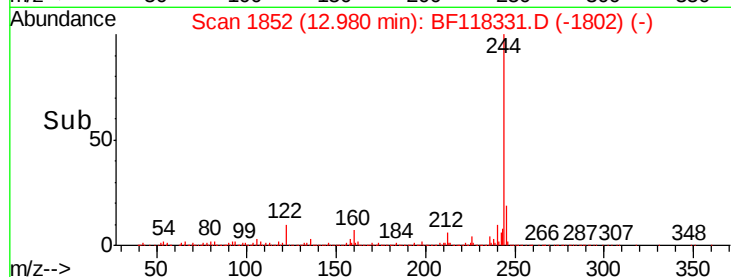
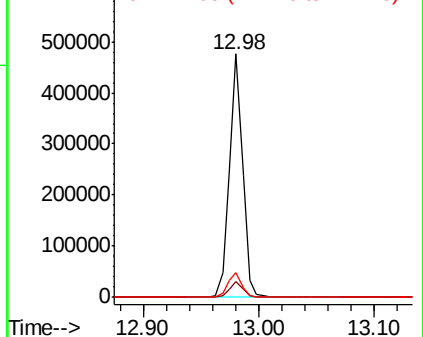
#79
 Terphenyl-d14
 Concen: 20.672 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF118331.D
 Acq: 26 Dec 2019 22:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 378325
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.3 7.8 11.8

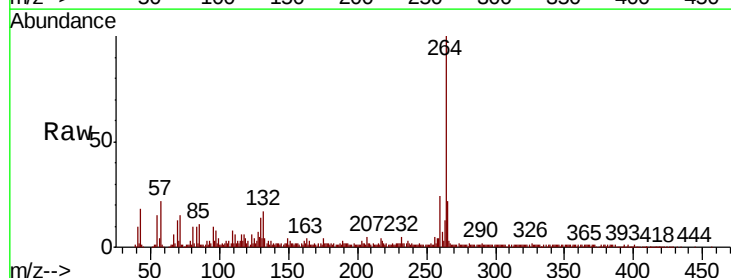


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

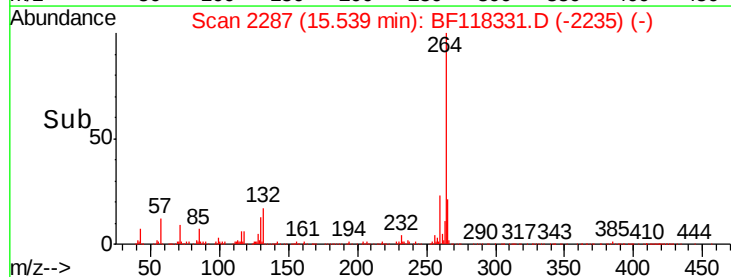
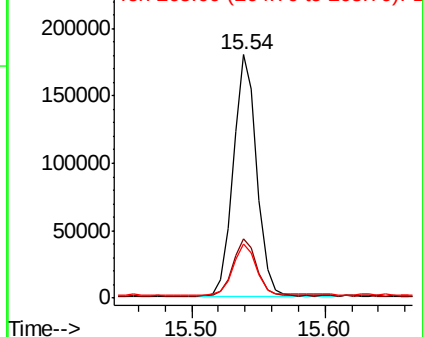


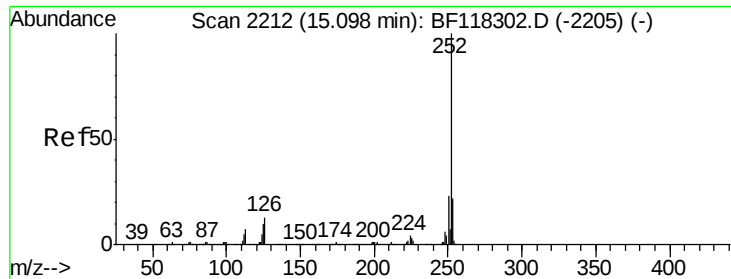
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118331.D
 Acq: 26 Dec 2019 22:08

Tgt Ion:264 Resp: 222293
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.8 29.6
 265 22.5 17.0 25.4



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

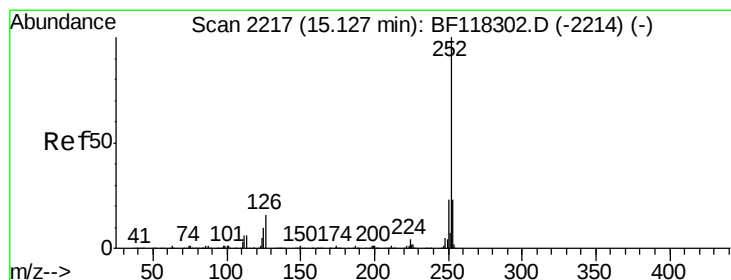
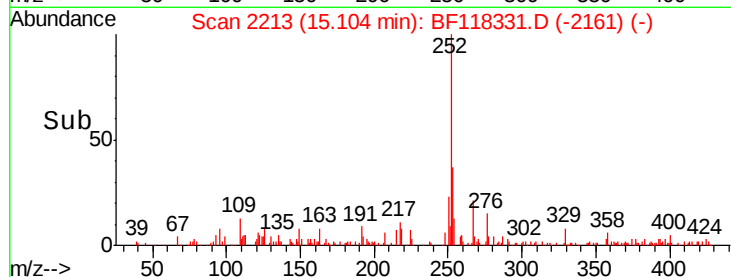
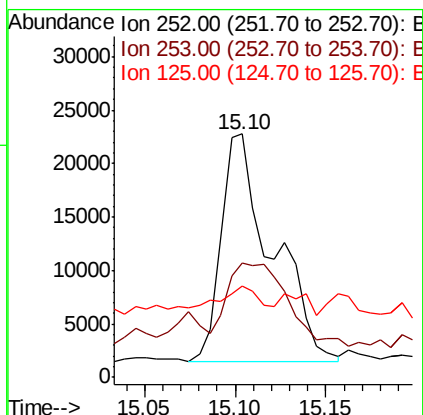
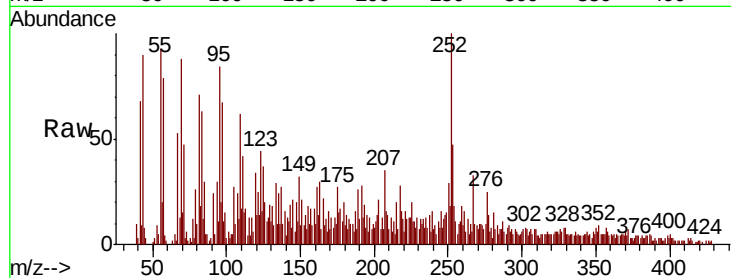




#88
Benzo(b)fluoranthene
Concen: 2.808 ng
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 41434
Ion Ratio Lower Upper
252 100
253 47.0 17.5 26.3#
125 37.4 7.7 11.5#



#89
Benzo(k)fluoranthene
Concen: 2.924 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF118331.D
Acq: 26 Dec 2019 22:08

Tgt Ion:252 Resp: 41434
Ion Ratio Lower Upper
252 100
253 47.0 18.0 27.0#
125 37.4 8.0 12.0#

