

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118413.D
 Acq On : 31 Dec 2019 18:55
 Operator : JU
 Sample : K6114-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 01 00:35:36 2020
 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

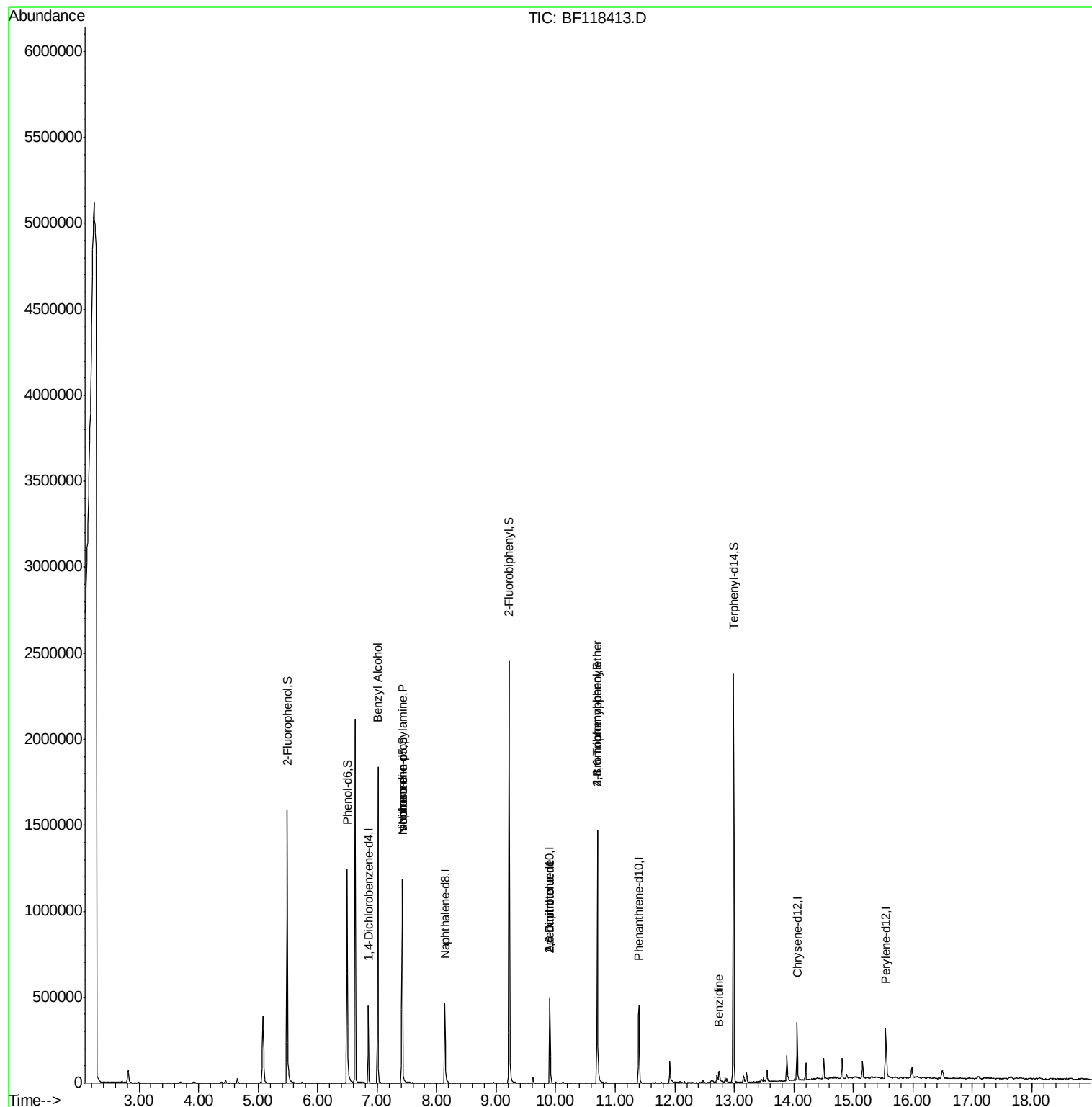
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	58528	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	221790	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	110701	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	182311	20.00	ng	0.00
76) Chrysene-d12	14.05	240	115021	20.00	ng	0.00
87) Perylene-d12	15.55	264	130993	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	424391	123.78	ng	0.02
7) Phenol-d6	6.49	99	458020	107.68	ng	0.00
23) Nitrobenzene-d5	7.42	82	383174	98.81	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	173476	126.90	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	751839	103.67	ng	0.00
79) Terphenyl-d14	12.99	244	713087	102.85	ng	0.00
Target Compounds						
15) Benzyl Alcohol	7.01	79	7214	2.228	ng	# 42
19) n-Nitroso-di-n-propylamine	7.42	70	55483	21.175	ng	# 80
25) Isophorone	7.42	82	383169	56.697	ng	# 62
51) 2,6-Dinitrotoluene	9.90	165	14219	7.937	ng	# 26
57) 2,4-Dinitrotoluene	9.90	165	14219	5.940	ng	# 29
67) 4-Bromophenyl-phenylether	10.70	248	11035	5.172	ng	# 1
77) Benzidine	12.75	184	33924	10.764	ng	98

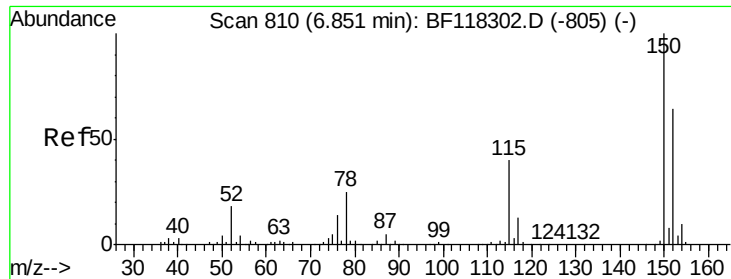
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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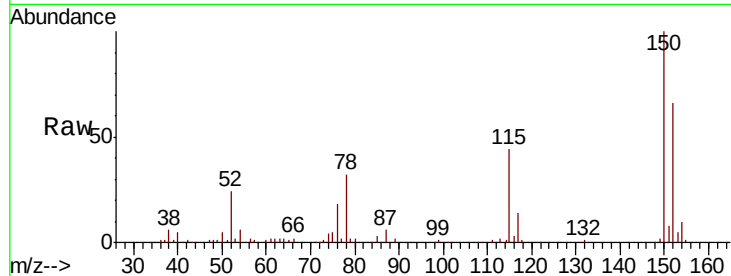


#1

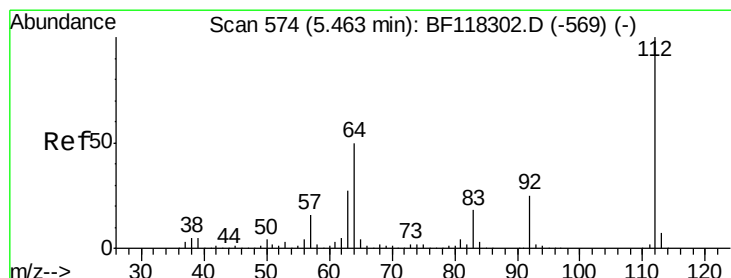
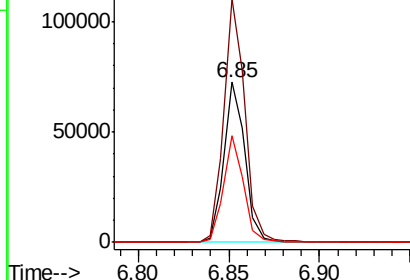
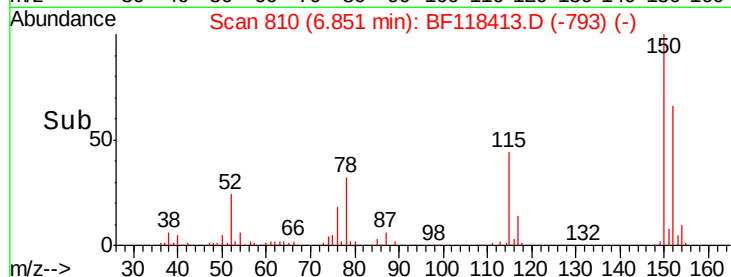
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 58528
Ion Ratio Lower Upper
152 100
150 151.9 125.4 188.2
115 66.7 50.2 75.4



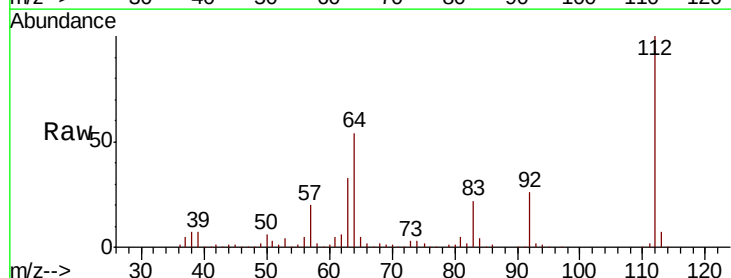
Abundance Ion 152.00 (151.70 to 152.70): E
150000 Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



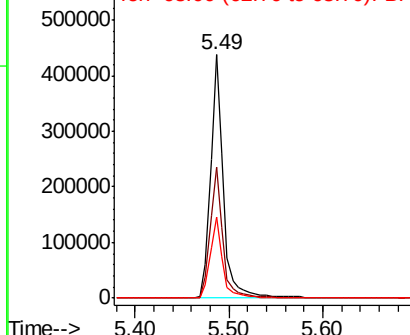
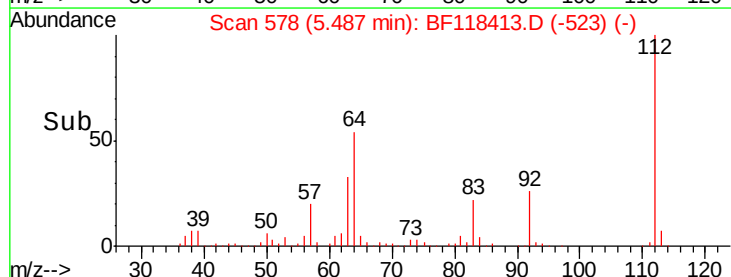
#5

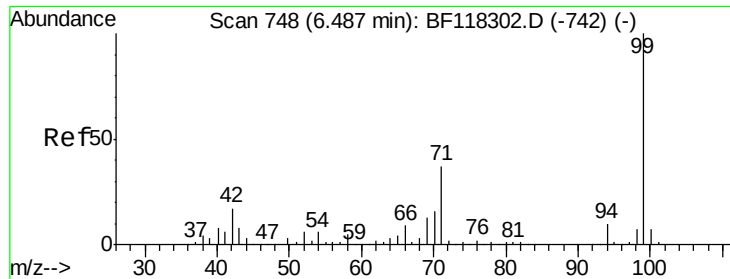
2-Fluorophenol
Concen: 123.775 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Tgt Ion:112 Resp: 424391
Ion Ratio Lower Upper
112 100
64 54.0 39.7 59.5
63 33.1 21.7 32.5#



Abundance Ion 112.00 (111.70 to 112.70): E
600000 Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 107.683 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118413.D

Acq: 31 Dec 2019 18:55

Instrument :

BNA_F

ClientSampled :

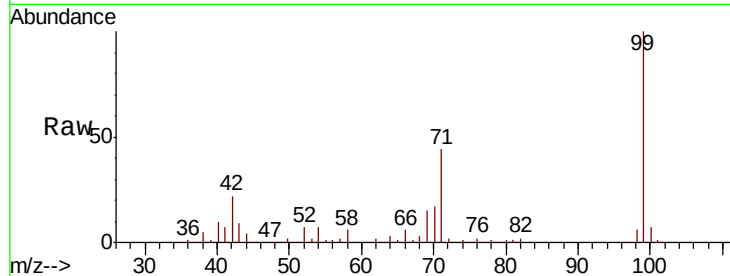
Tot Ion: 99 Resp: 458020

Ion Ratio Lower Upper

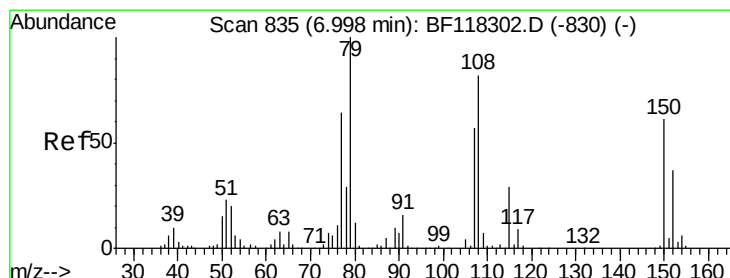
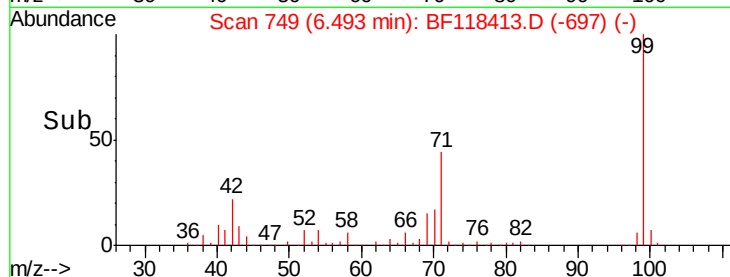
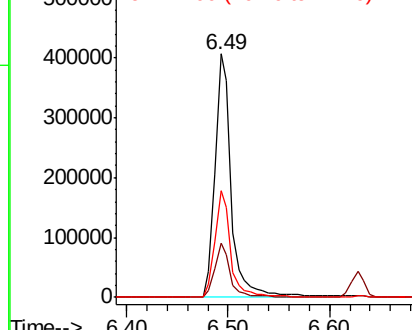
99 100

42 22.4 13.5 20.3#

71 44.0 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



#15

Benzyl Alcohol

Concen: 2.228 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.01 min

Lab File: BF118413.D

Acq: 31 Dec 2019 18:55

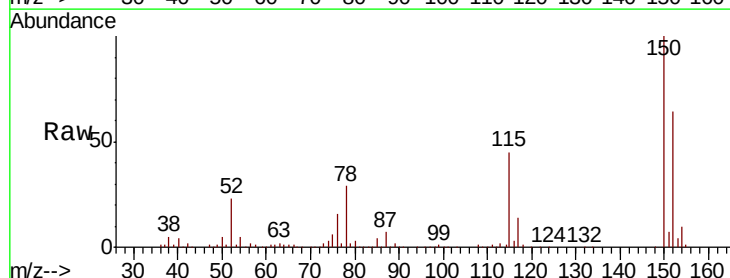
Tgt Ion: 79 Resp: 7214

Ion Ratio Lower Upper

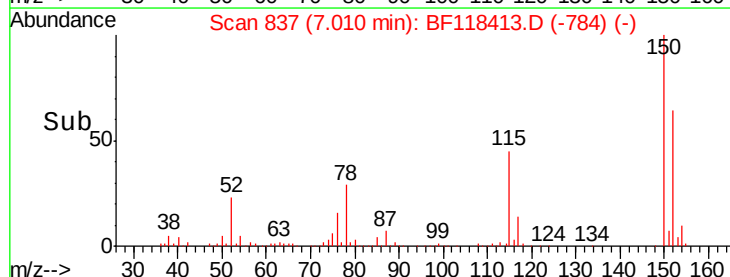
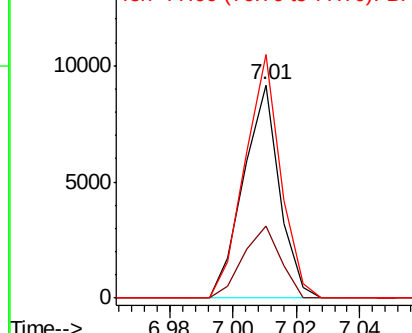
79 100

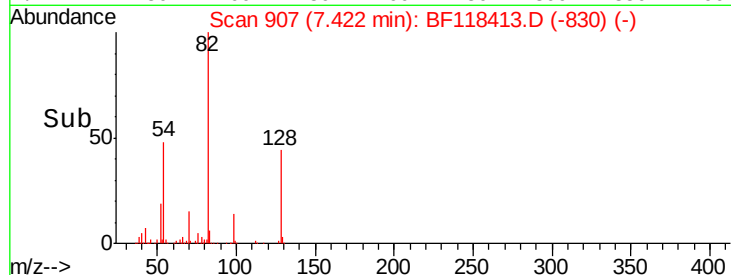
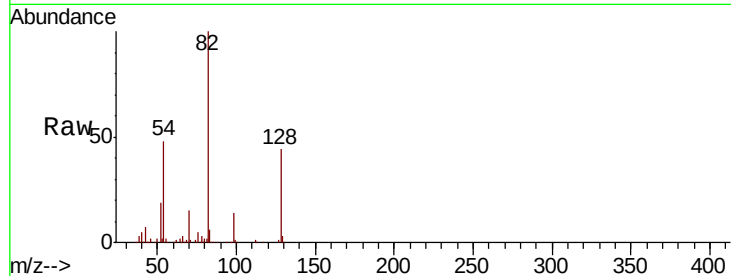
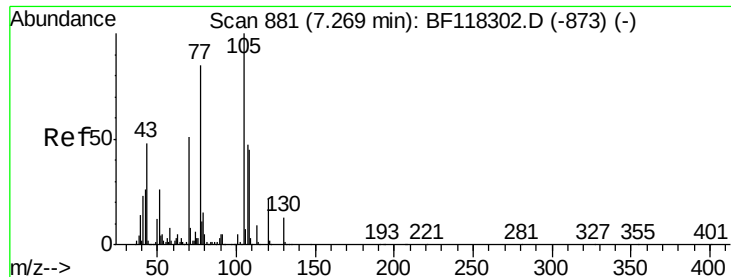
108 34.1 65.4 98.0#

77 114.2 51.4 77.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1

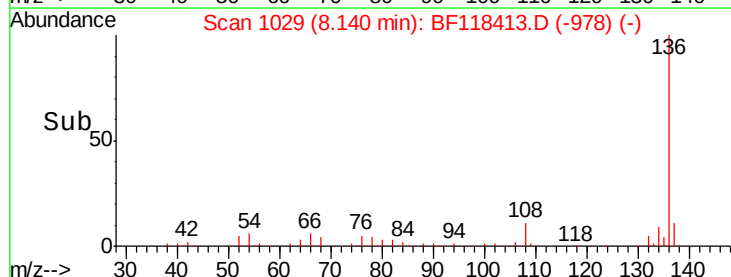
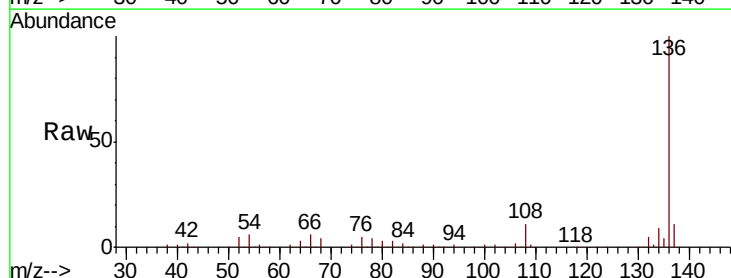
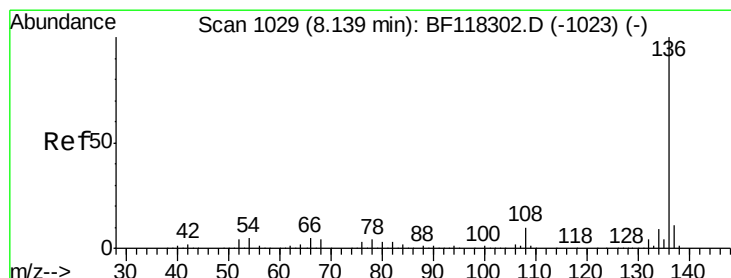
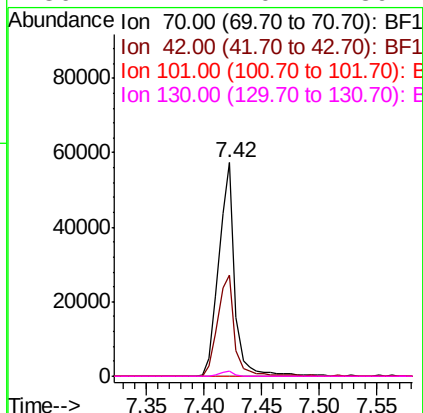




#19
n-Nitroso-di-n-propylamine
Concen: 21.175 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

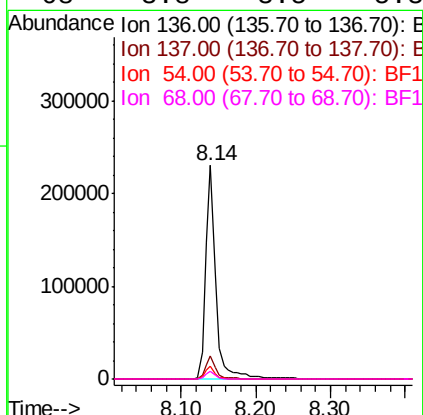
Instrument :
BNA_F
ClientSampleId :

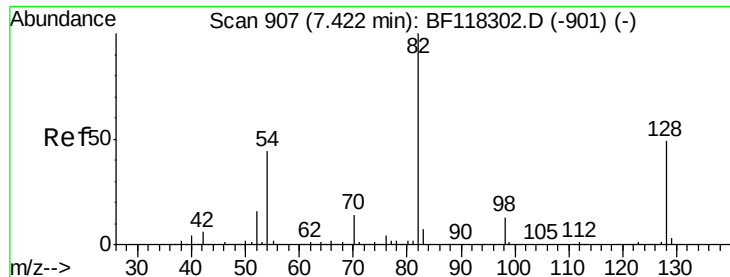
Tot Ion	70	Resp	55483
Ion	Ratio	Lower	Upper
70	100		
42	47.5	41.1	61.7
101	0.0	8.3	12.5#
130	2.2	20.1	30.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Tgt Ion	136	Resp	221790
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.1	4.2	6.4
68	3.8	3.5	5.3

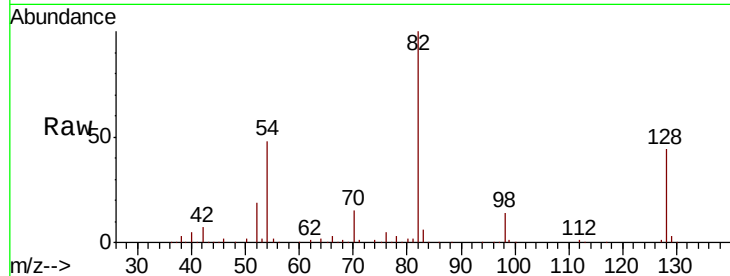




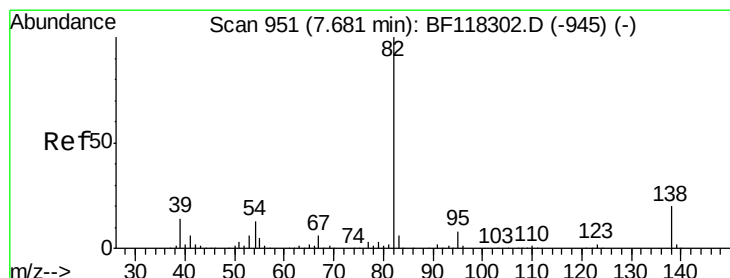
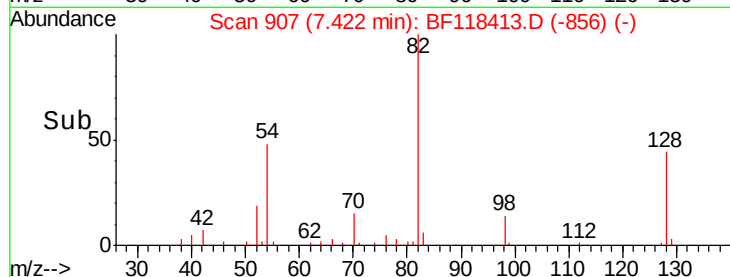
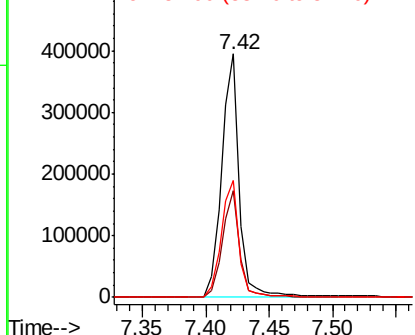
#23
Nitrobenzene-d5
Concen: 98.812 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 383174
Ion Ratio Lower Upper
82 100
128 43.8 39.6 59.4
54 47.9 34.9 52.3

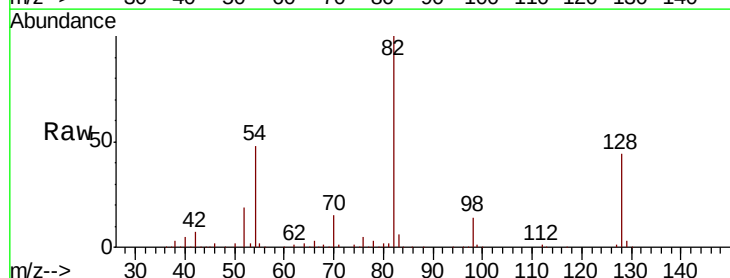


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

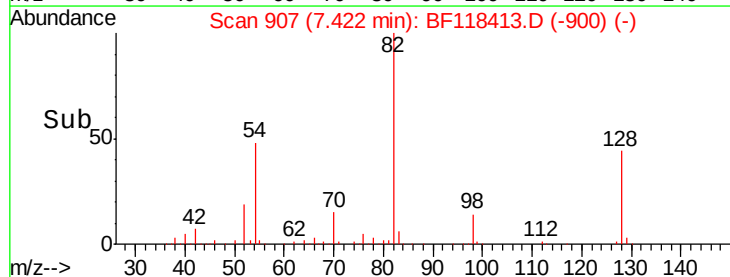
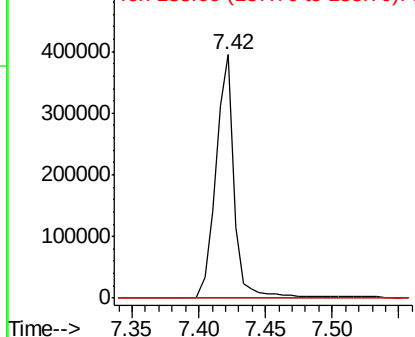


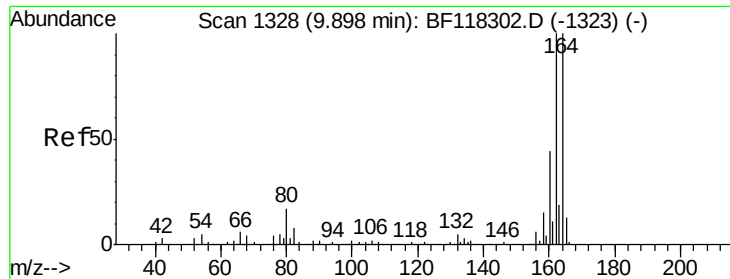
#25
Isophorone
Concen: 56.697 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.26 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Tgt Ion: 82 Resp: 383169
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): BF1

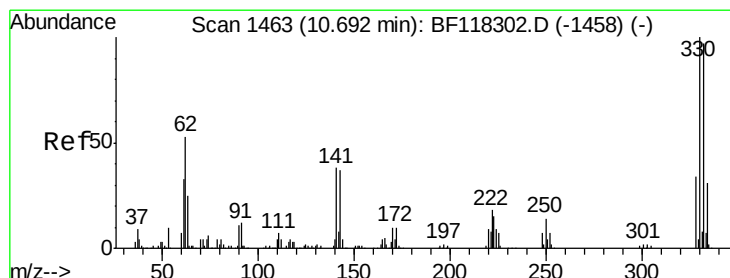
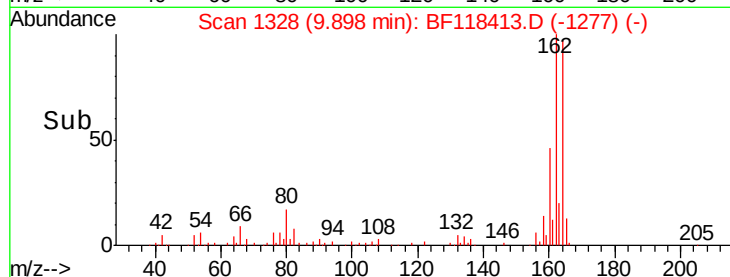
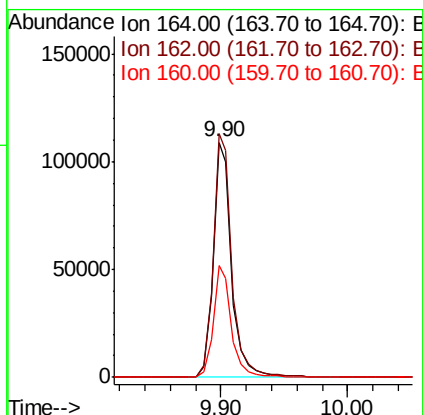
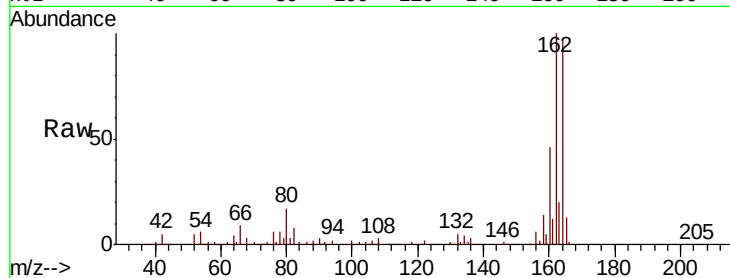




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF118413.D
 Acq: 31 Dec 2019 18:55

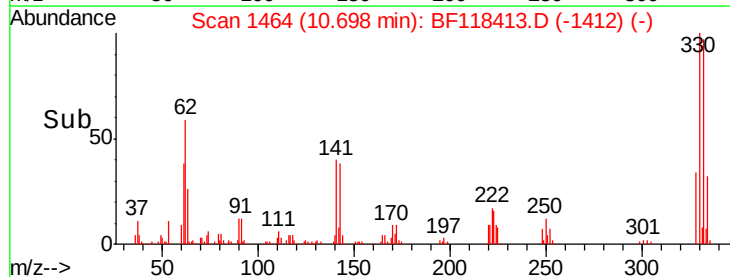
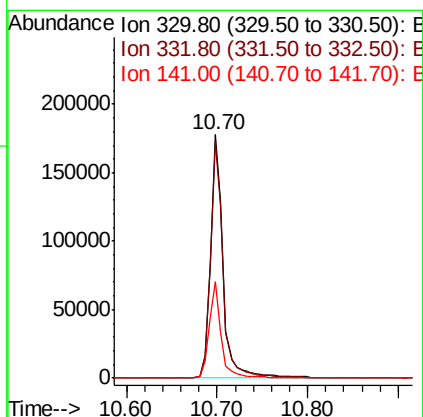
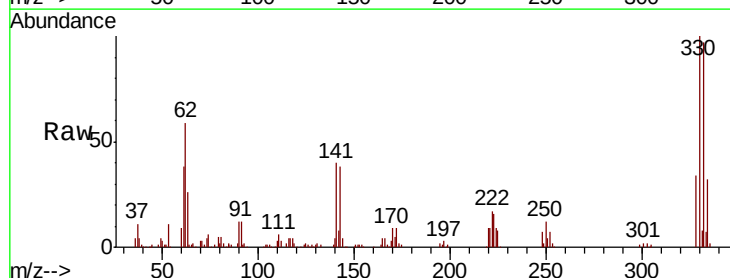
Instrument :
 BNA_F
 ClientSampled :

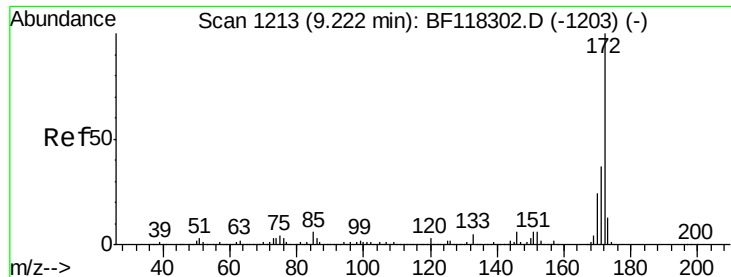
Tot Ion:164 Resp: 110701
 Ion Ratio Lower Upper
 164 100
 162 103.5 80.0 120.0
 160 47.4 34.8 52.2



#42
 2,4,6-Tribromophenol
 Concen: 126.896 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118413.D
 Acq: 31 Dec 2019 18:55

Tgt Ion:330 Resp: 173476
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 114.8
 141 38.7 26.0 39.0

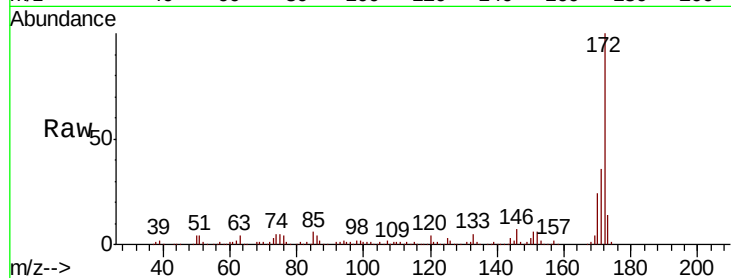




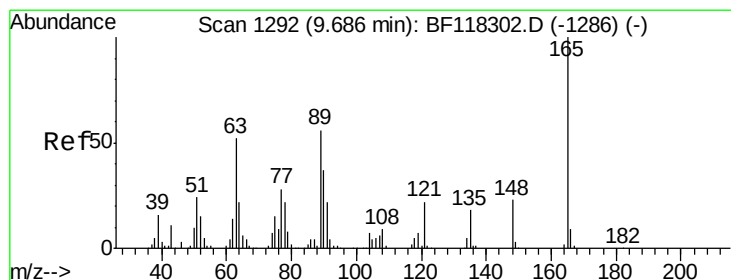
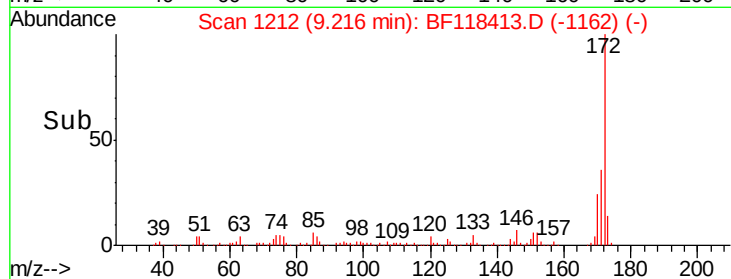
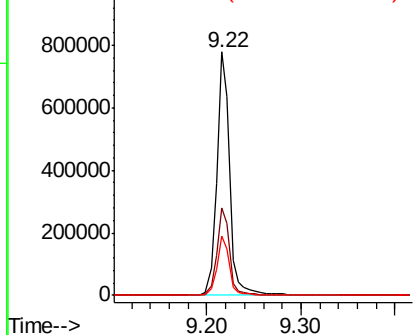
#45
 2-Fluorobiphenyl
 Concen: 103.672 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118413.D
 Acq: 31 Dec 2019 18:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	24.2	19.2	28.8

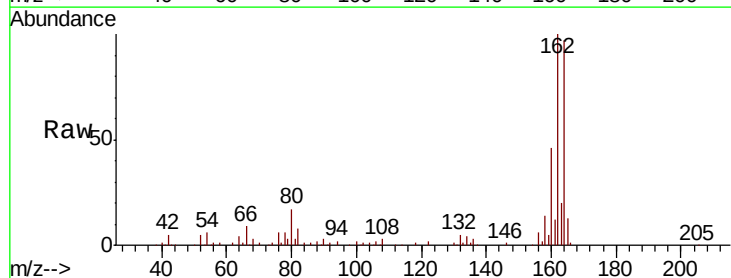


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

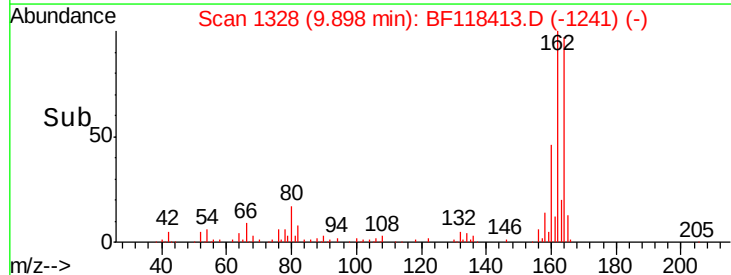
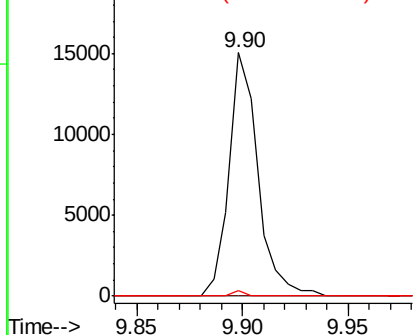


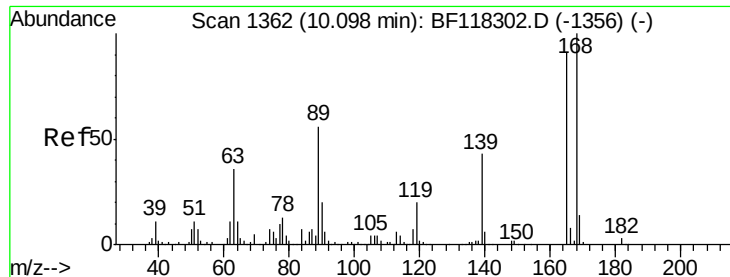
#51
 2,6-Dinitrotoluene
 Concen: 7.937 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF118413.D
 Acq: 31 Dec 2019 18:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.2	63.4#
89	2.2	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

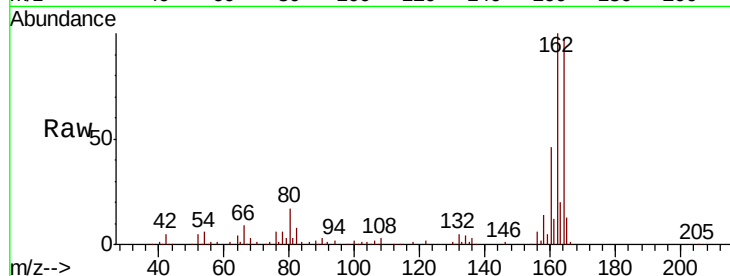




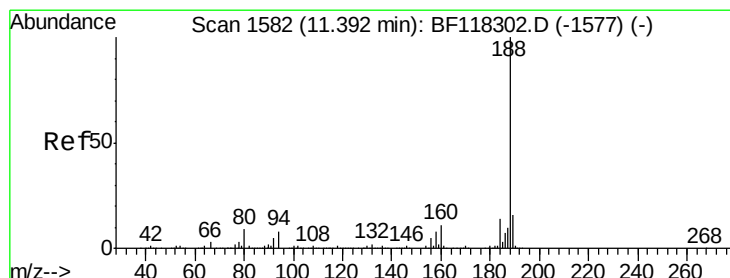
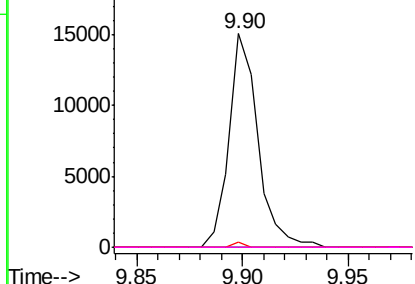
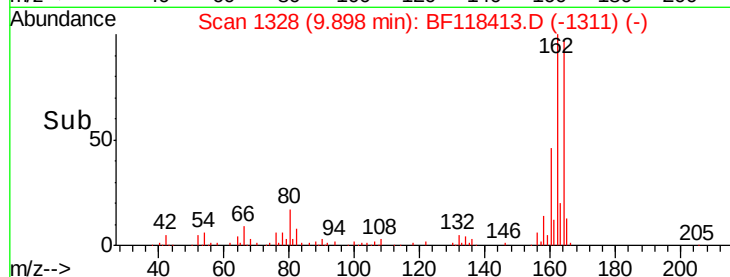
#57
2,4-Dinitrotoluene
Concen: 5.940 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 14219
Ion Ratio Lower Upper
165 100
63 0.0 32.0 48.0#
89 2.2 49.3 73.9#
182 0.0 2.4 3.6#

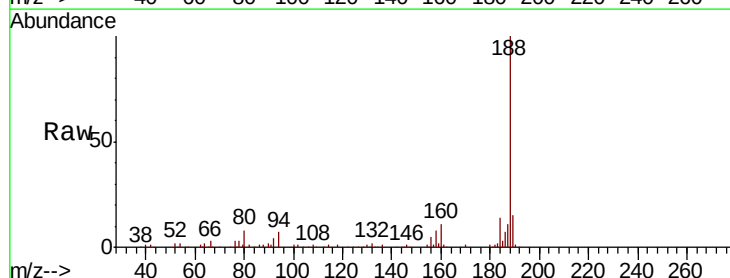


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

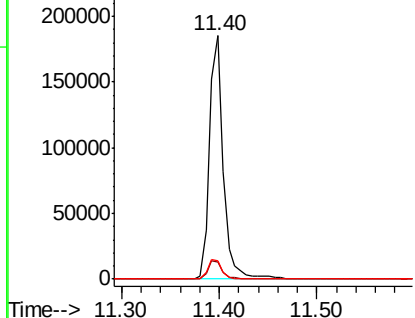
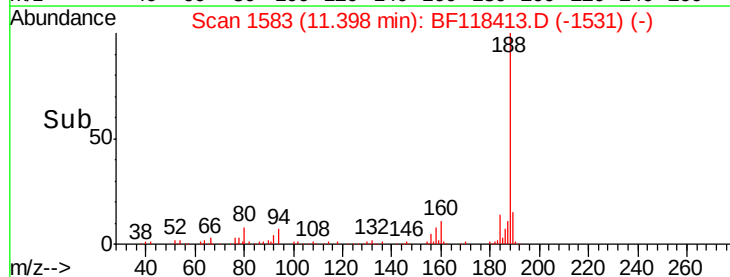


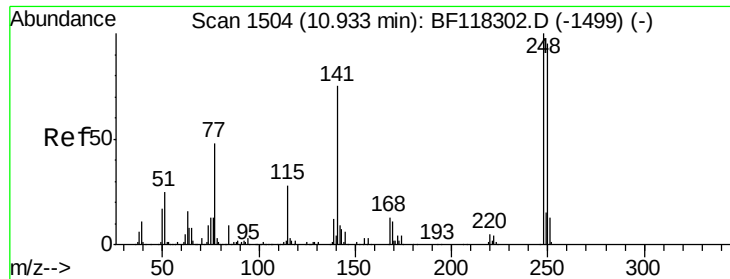
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Tgt Ion:188 Resp: 182311
Ion Ratio Lower Upper
188 100
94 7.1 6.7 10.1
80 7.5 7.2 10.8



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

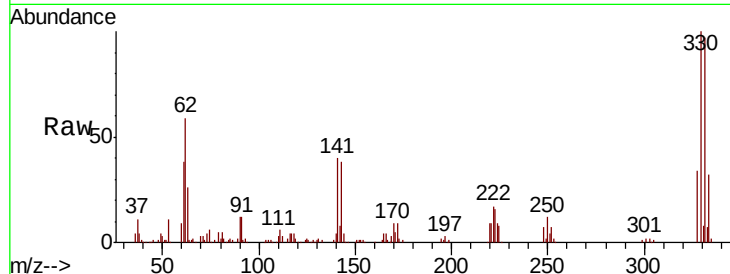




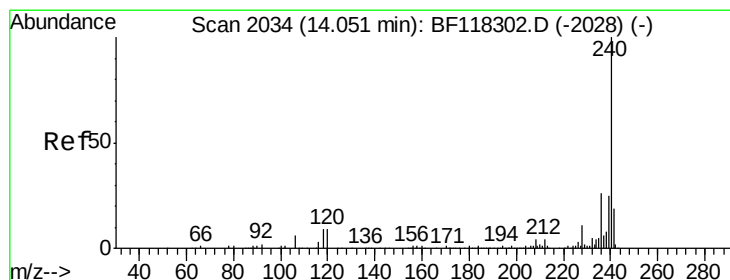
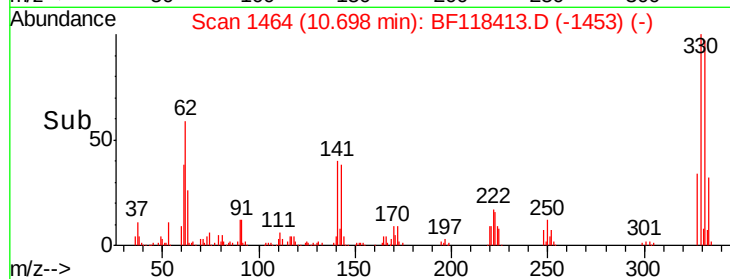
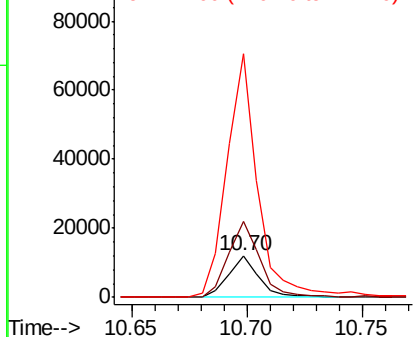
#67
4-Bromophenyl-phenylether
Concen: 5.172 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11035
Ion Ratio Lower Upper
248 100
250 183.2 76.4 114.6#
141 585.3 60.2 90.2#

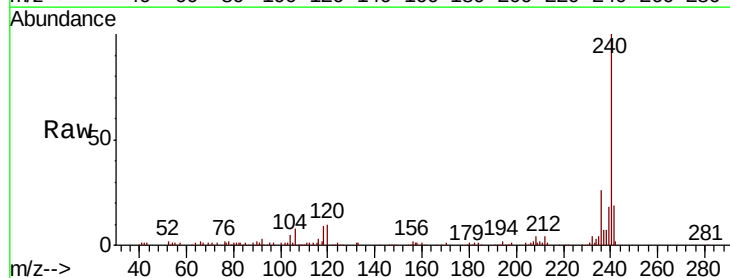


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

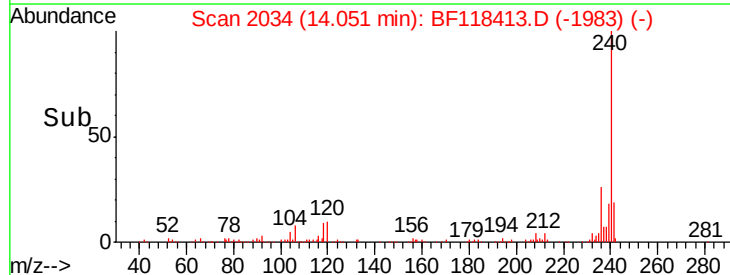
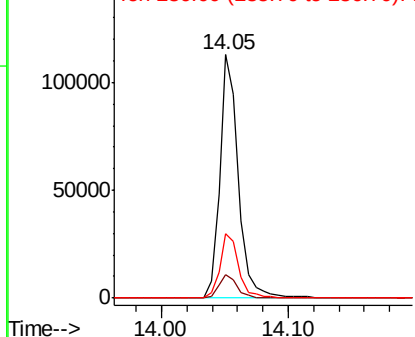


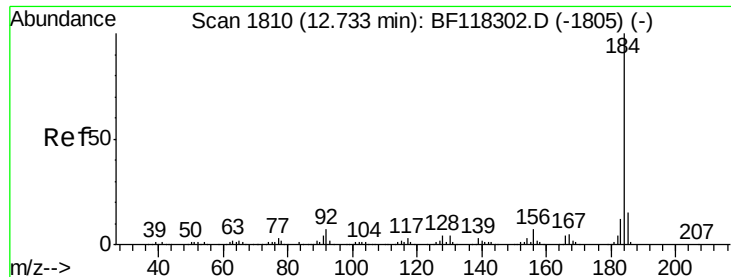
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Tgt Ion:240 Resp: 115021
Ion Ratio Lower Upper
240 100
120 9.9 7.1 10.7
236 26.4 21.0 31.6



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





#77

Benzidine

Concen: 10.764 ng

RT: 12.75 min Scan# 1812

Delta R.T. 0.01 min

Lab File: BF118413.D

Acq: 31 Dec 2019 18:55

Instrument :

BNA_F

ClientSampleId :

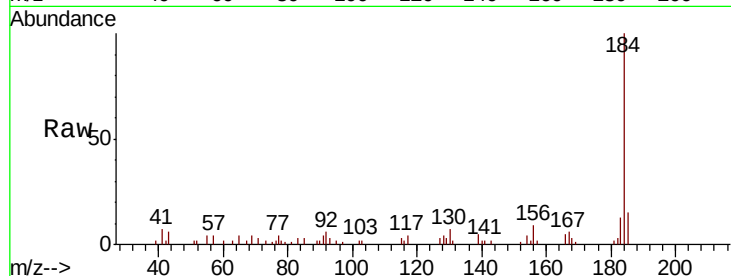
Tot Ion:184 Resp: 33924

Ion Ratio Lower Upper

184 100

185 15.0 12.3 18.5

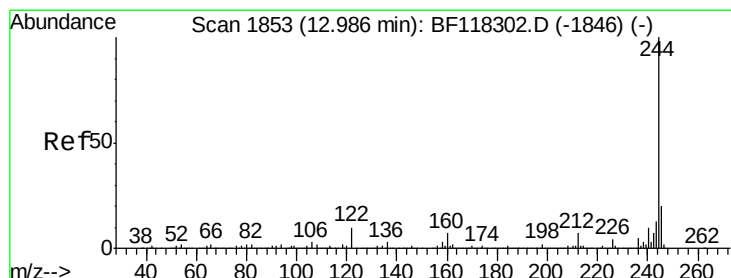
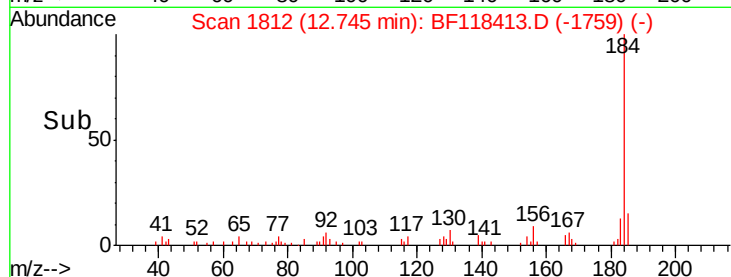
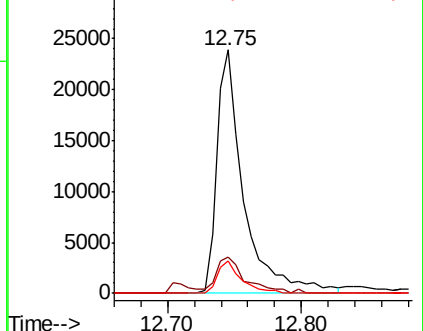
183 13.5 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 102.854 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118413.D

Acq: 31 Dec 2019 18:55

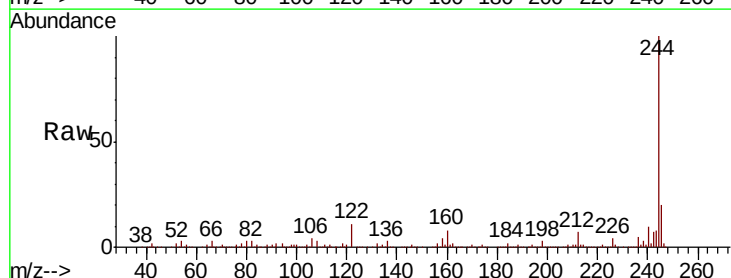
Tgt Ion:244 Resp: 713087

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

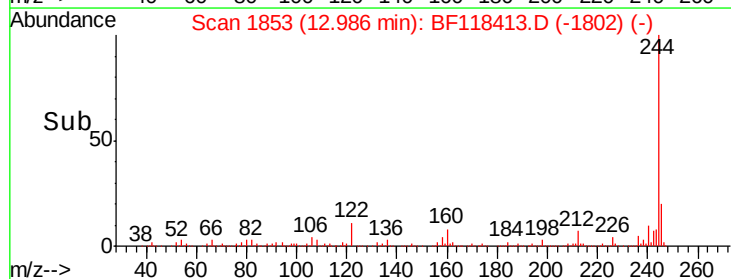
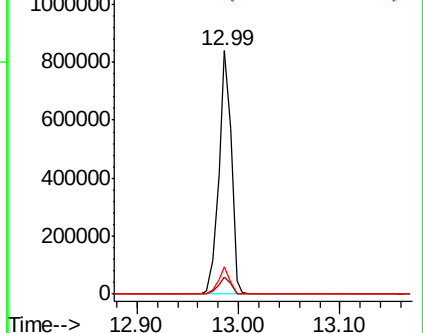
122 11.4 7.8 11.8

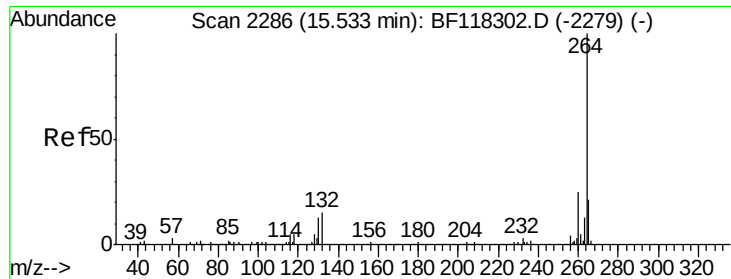


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

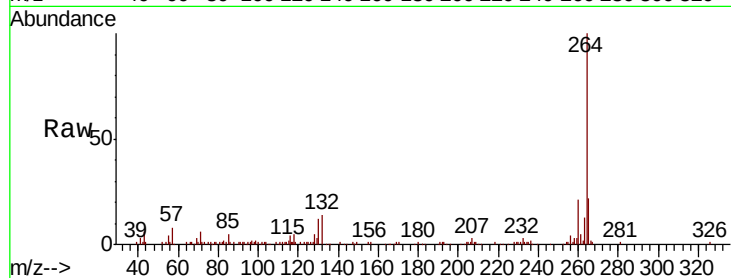




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF118413.D
Acq: 31 Dec 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.2	19.8	29.6
265	21.6	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

