

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122819\
 Data File : BF118377.D
 Acq On : 28 Dec 2019 20:49
 Operator : JU
 Sample : K6439-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 29 07:45:54 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

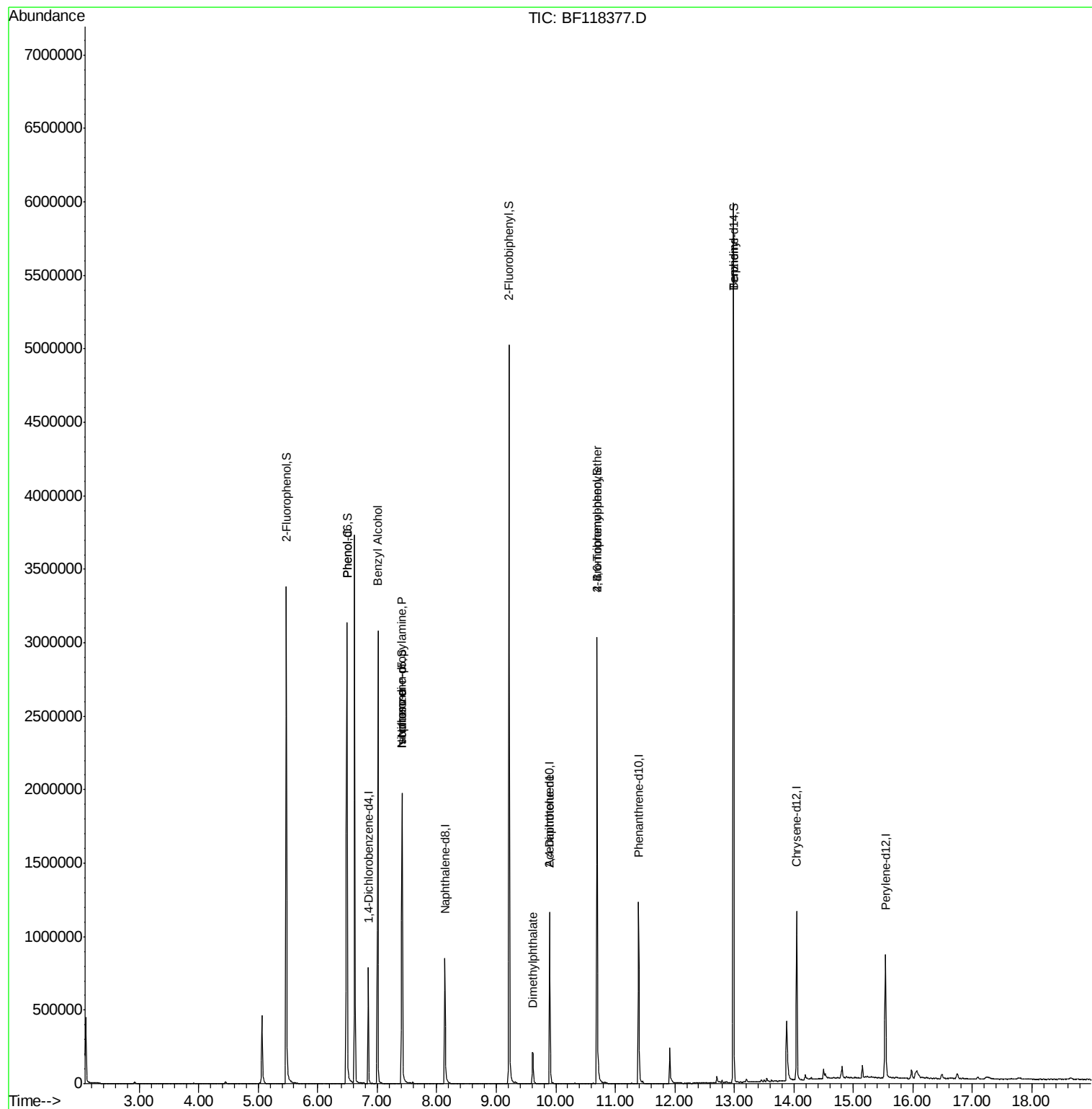
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	115060	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	447574	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	240933	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	481835	20.00	ng	0.00
76) Chrysene-d12	14.04	240	401839	20.00	ng	0.00
87) Perylene-d12	15.54	264	392754	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	982014	145.69	ng	0.01
7) Phenol-d6	6.49	99	1241016	148.42	ng	0.00
23) Nitrobenzene-d5	7.42	82	750089	95.85	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	451049	151.60	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1526435	96.71	ng	0.00
79) Terphenyl-d14	12.99	244	2091311	86.34	ng	0.00
Target Compounds						
10) Phenol	6.50	94	23731	2.525	ng	# 66
15) Benzyl Alcohol	7.00	79	12838	2.016	ng	# 46
19) n-Nitroso-di-n-propylamine	7.42	70	100335	19.478	ng	# 77
25) Isophorone	7.42	82	750085	55.000	ng	# 62
50) Dimethylphthalate	9.62	163	122326	6.764	ng	100
57) 2,4-Dinitrotoluene	9.90	165	30265	5.809	ng	# 30
67) 4-Bromophenyl-phenylether	10.70	248	28351	5.028	ng	# 1
77) Benzidine	12.99	184	28902	2.625	ng	# 93

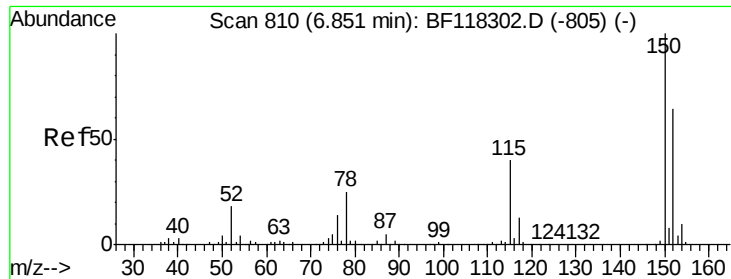
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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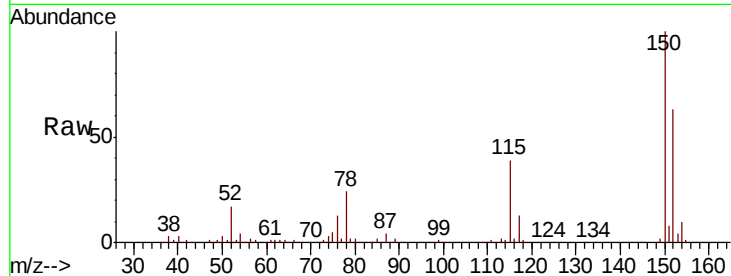


#1

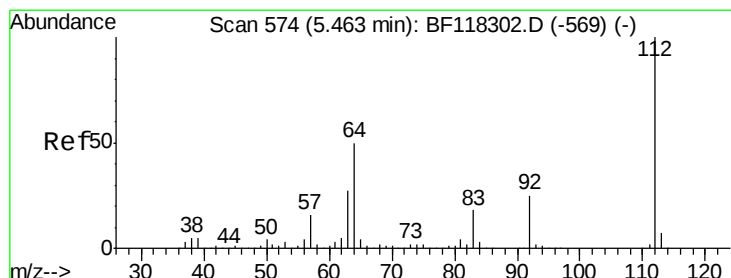
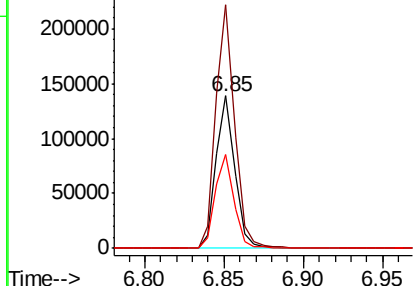
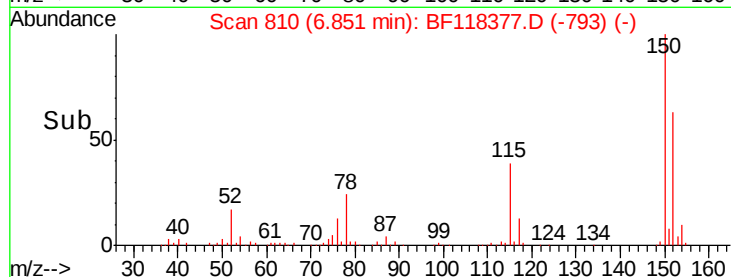
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115060
Ion Ratio Lower Upper
152 100
150 159.8 125.4 188.2
115 61.8 50.2 75.4



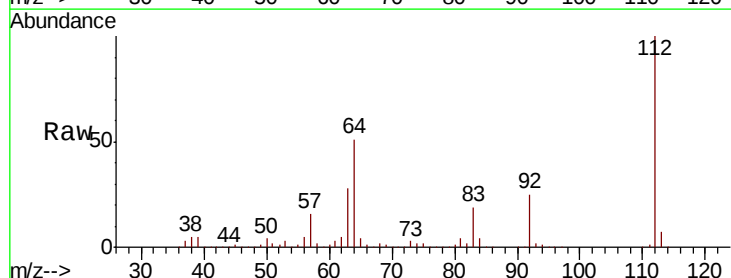
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



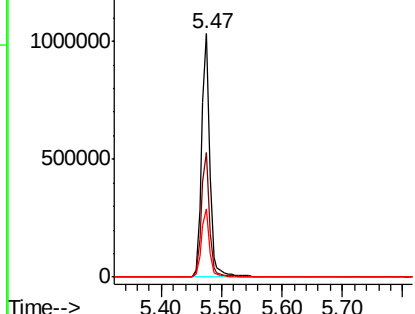
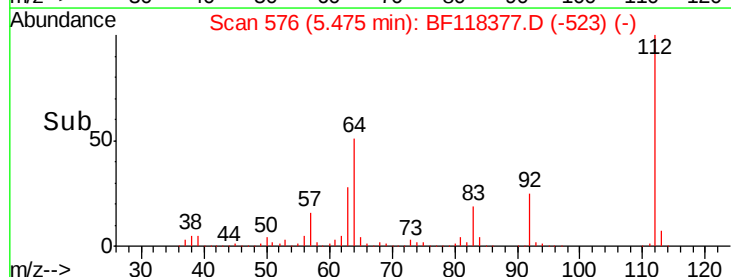
#5

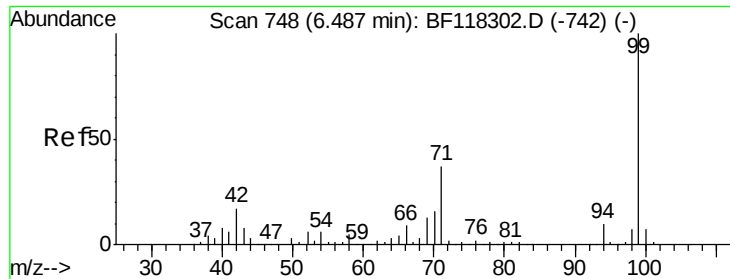
2-Fluorophenol
Concen: 145.688 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Tgt Ion:112 Resp: 982014
Ion Ratio Lower Upper
112 100
64 51.3 39.7 59.5
63 27.9 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: 148.415 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

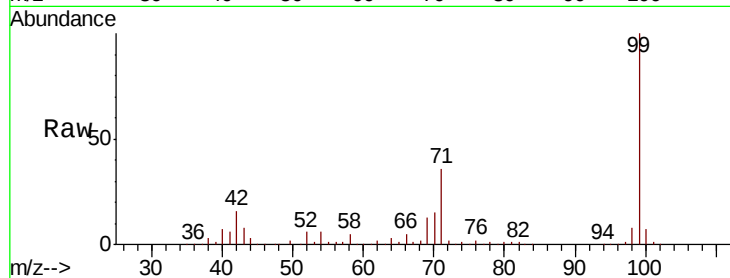
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1241016

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.5	20.3
71	36.2	29.4	44.2

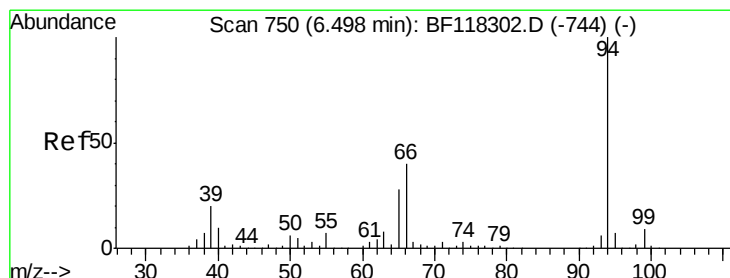
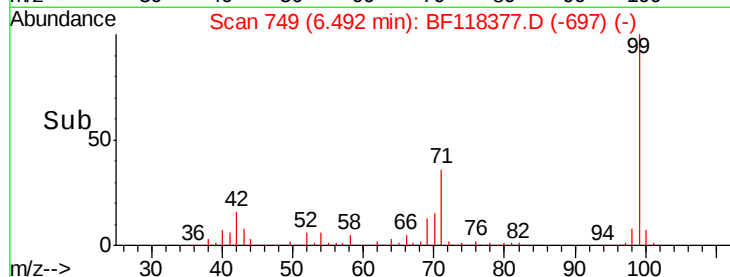
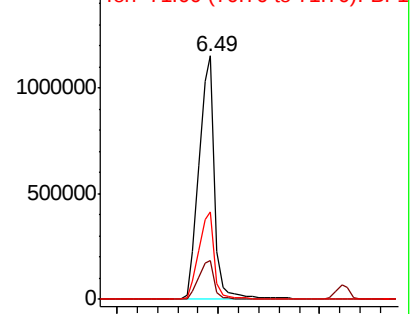


Abundance

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



#10

Phenol

Concen: 2.525 ng

RT: 6.50 min Scan# 750

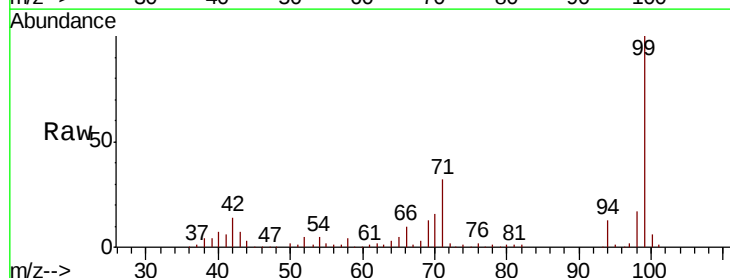
Delta R.T. -0.00 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

Tgt Ion: 94 Resp: 23731

Ion	Ratio	Lower	Upper
94	100		
65	34.2	7.8	47.8
66	70.4	20.4	60.4#

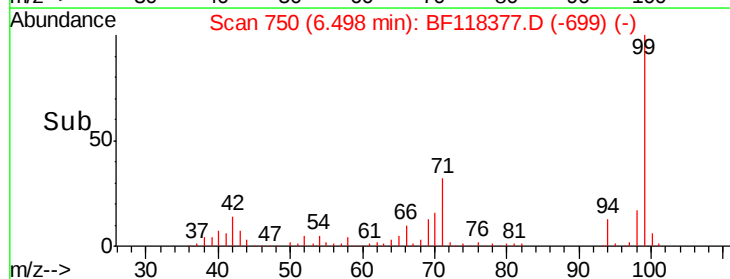
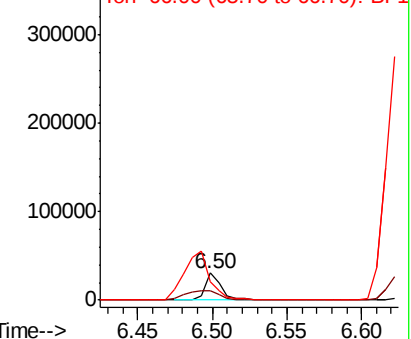


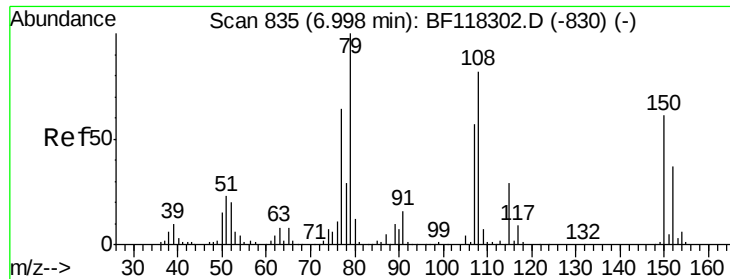
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#15

Benzyl Alcohol

Concen: 2.016 ng

RT: 7.00 min Scan# 836

Delta R.T. 0.01 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

Instrument :

BNA_F

ClientSampleId :

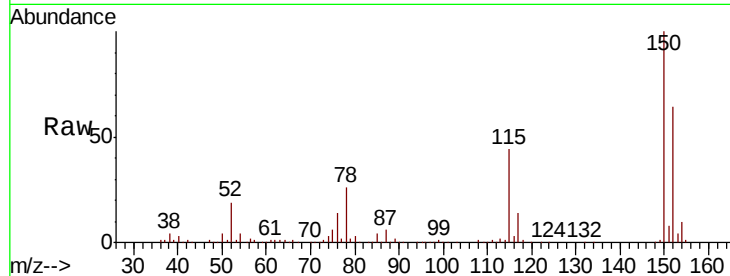
Tot Ion: 79 Resp: 12838

Ion Ratio Lower Upper

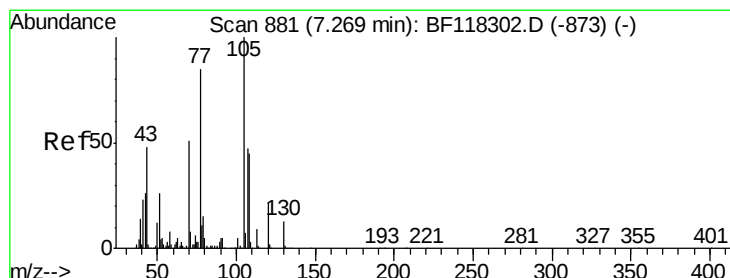
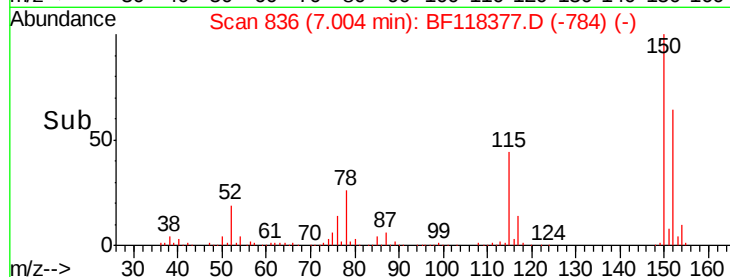
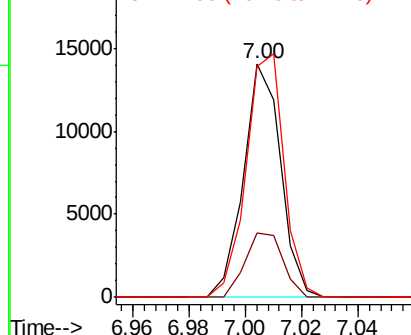
79 100

108 27.4 65.4 98.0#

77 98.8 51.4 77.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 19.478 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

Tgt Ion: 70 Resp: 100335

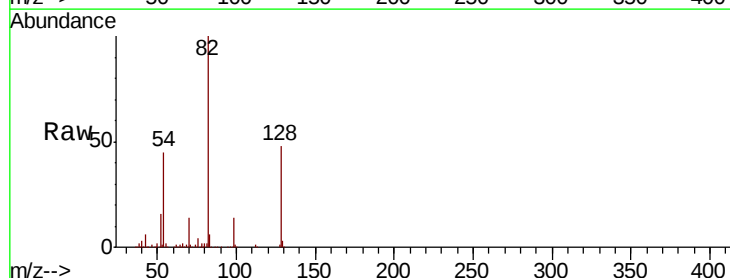
Ion Ratio Lower Upper

70 100

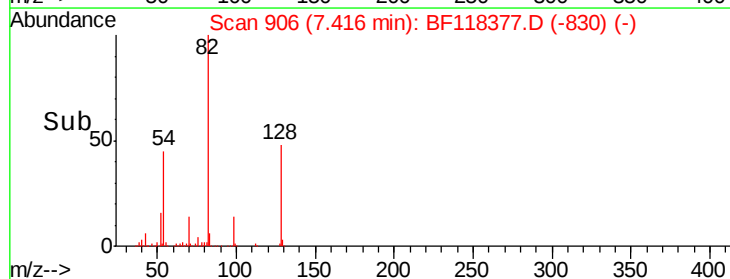
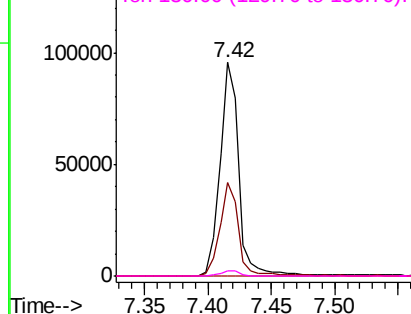
42 43.5 41.1 61.7

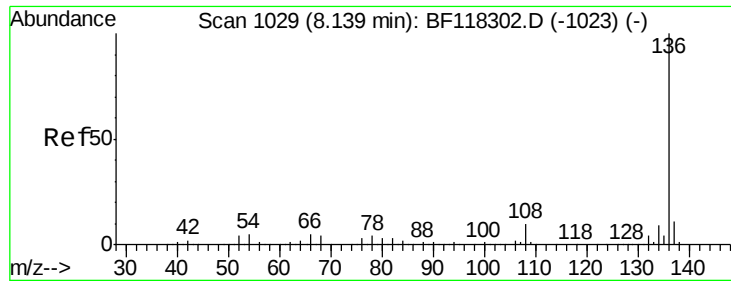
101 0.0 8.3 12.5#

130 2.3 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

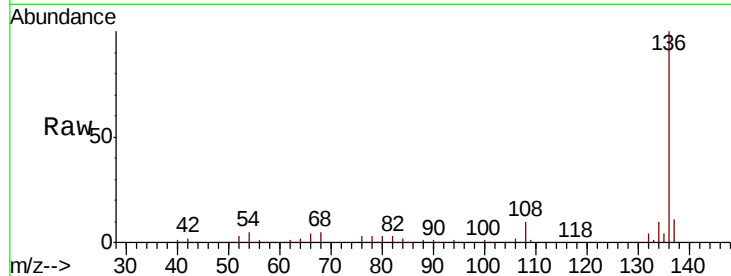




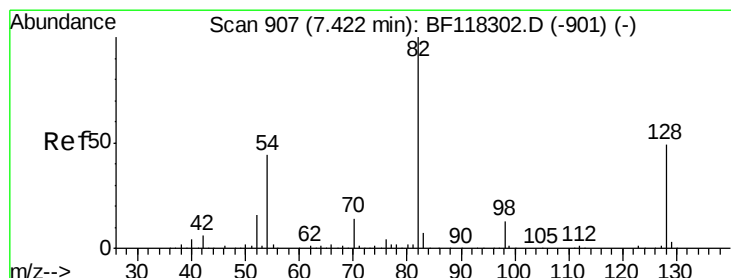
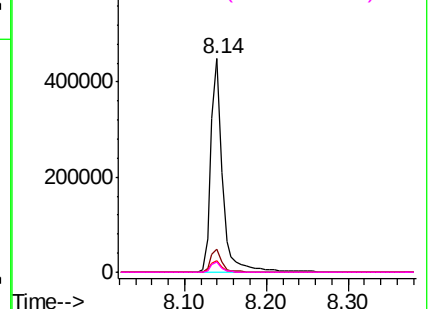
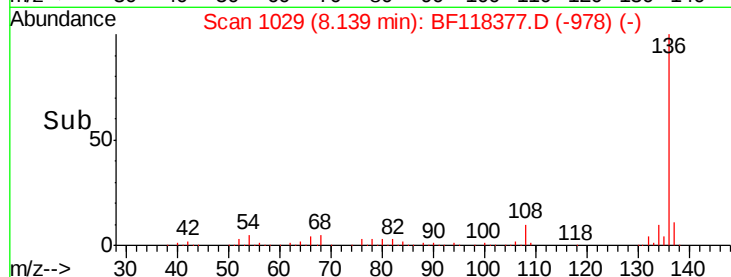
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	447574
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	5.4	4.2 6.4
68	4.6	3.5 5.3

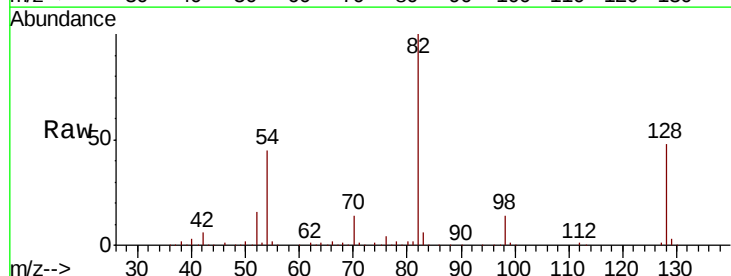


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

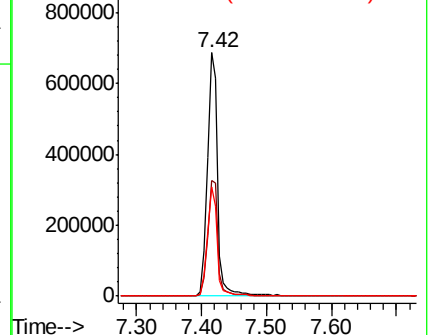
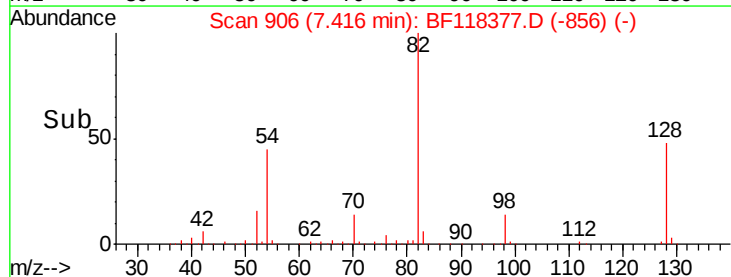


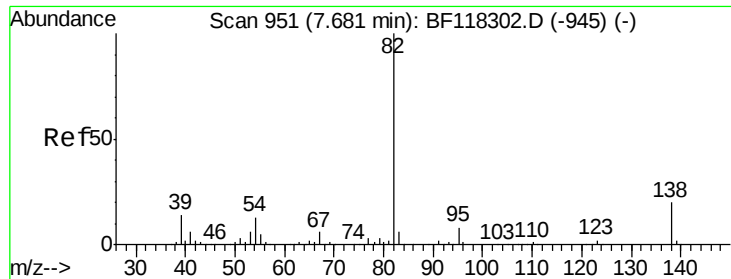
#23
Nitrobenzene-d5
Concen: 95.853 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Tgt Ion: 82	Resp:	750089
Ion	Ratio	Lower Upper
82	100	
128	47.5	39.6 59.4
54	44.7	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: 55.000 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

Instrument :

BNA_F

ClientSampled :

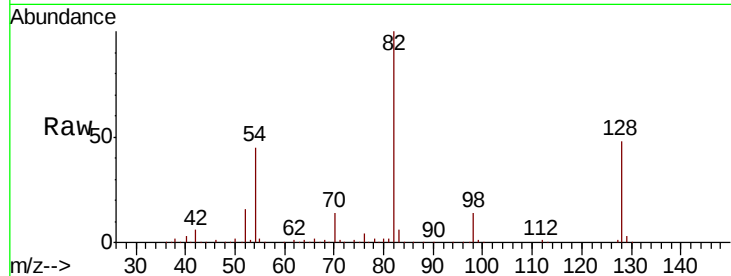
Tot Ion: 82 Resp: 750085

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

800000

600000

400000

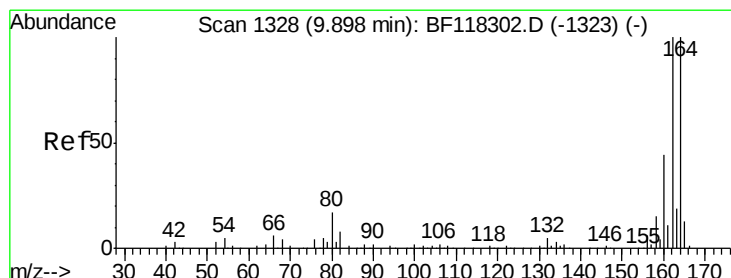
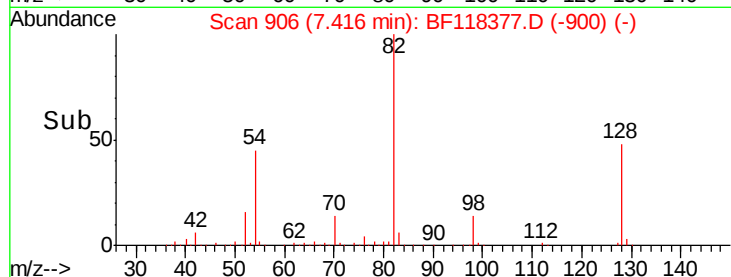
200000

0

7.42

7.30 7.40 7.50 7.60

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.00 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

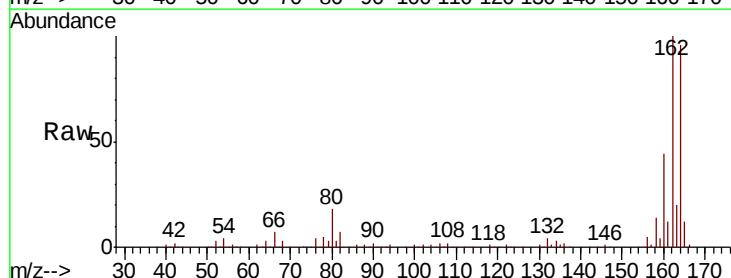
Tgt Ion: 164 Resp: 240933

Ion Ratio Lower Upper

164 100

162 103.8 80.0 120.0

160 45.8 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

300000

200000

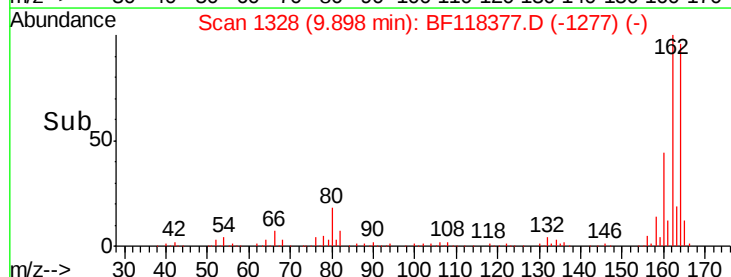
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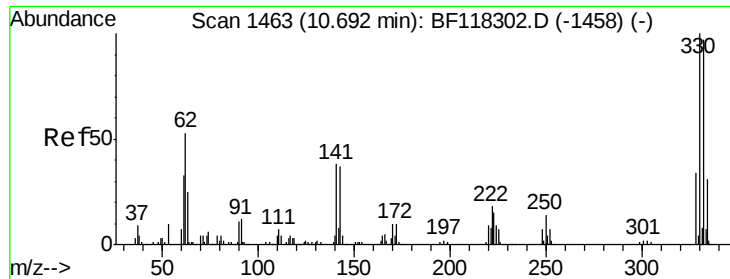
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9.90

9.80 9.90 10.00

Time-->

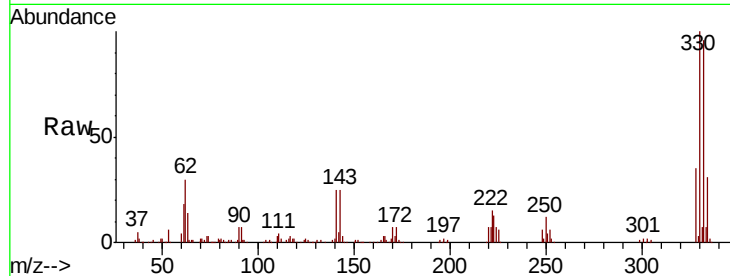




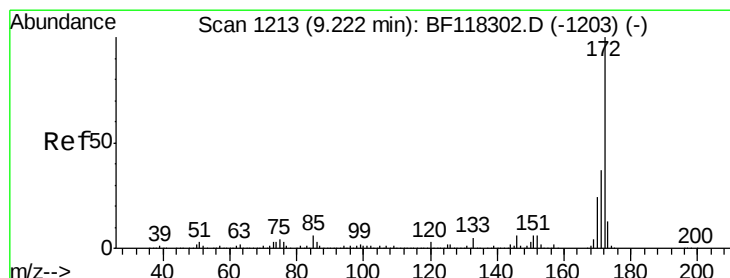
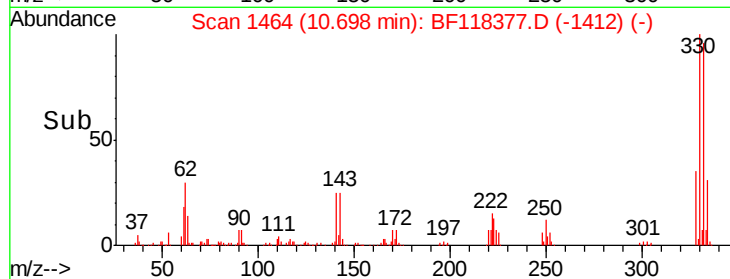
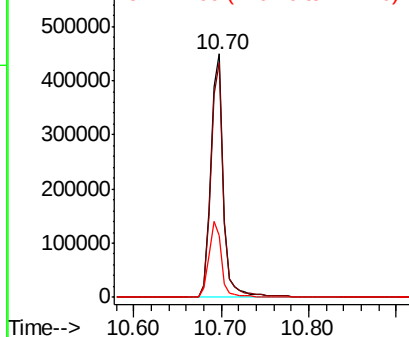
#42
 2,4,6-Tribromophenol
 Concen: 151.595 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118377.D
 Acq: 28 Dec 2019 20:49

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 451049
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.6 114.8
 141 31.7 26.0 39.0

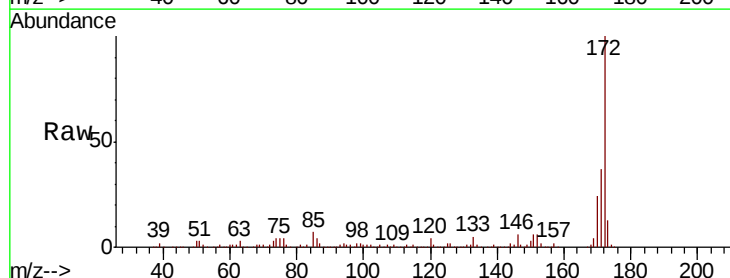


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

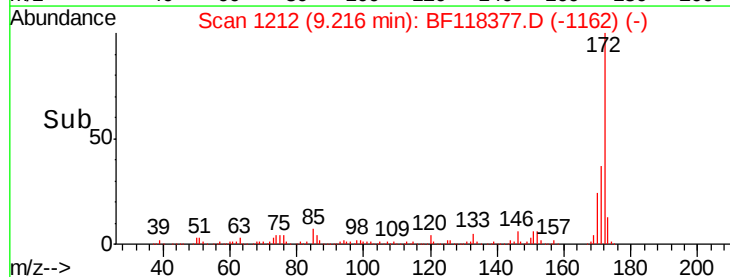
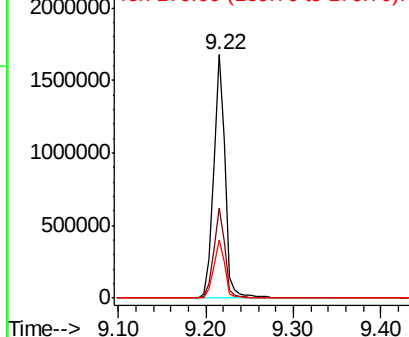


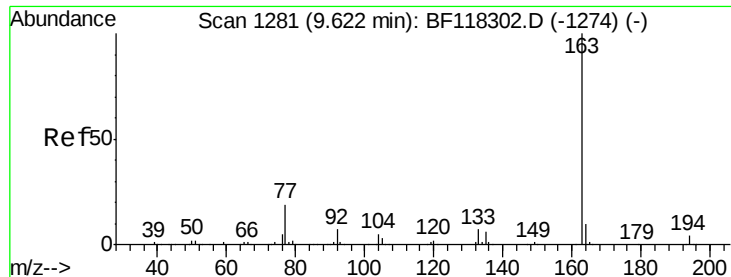
#45
 2-Fluorobiphenyl
 Concen: 96.710 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118377.D
 Acq: 28 Dec 2019 20:49

Tgt Ion:172 Resp: 1526435
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.3 43.9
 170 24.0 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

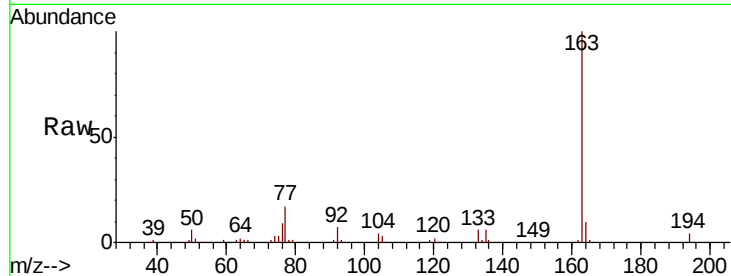




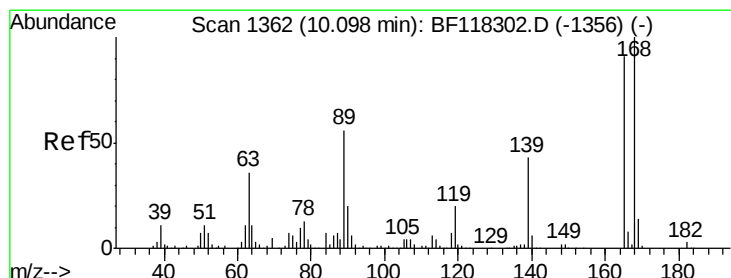
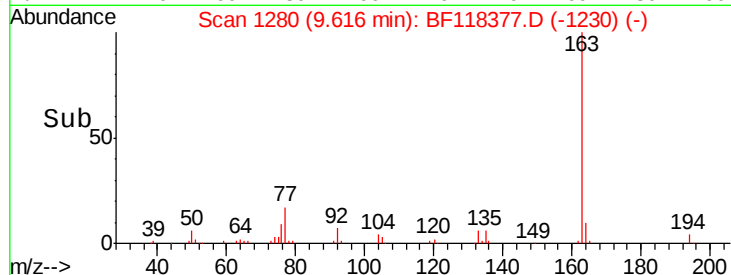
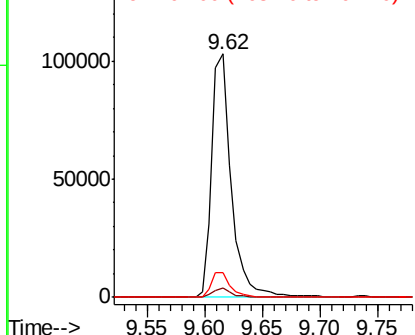
#50
Dimethylphthalate
Concen: 6.764 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.1	7.9	11.9



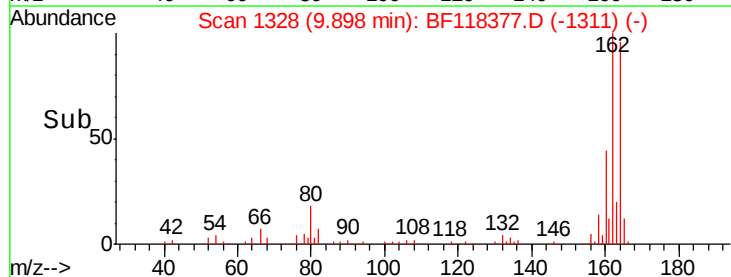
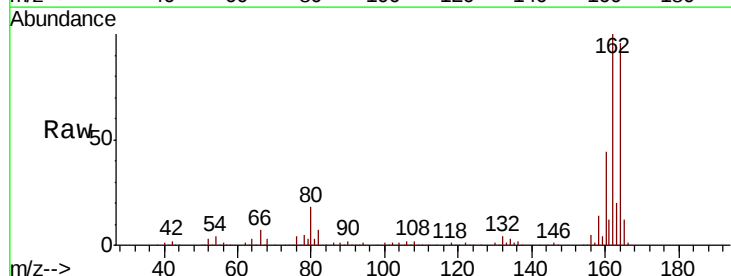
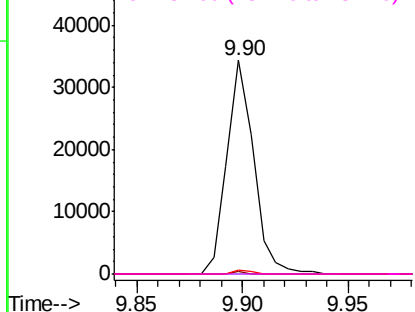
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

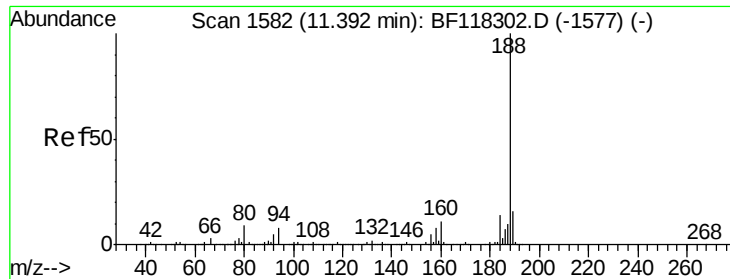


#57
2,4-Dinitrotoluene
Concen: 5.809 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	32.0	48.0#
89	1.7	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

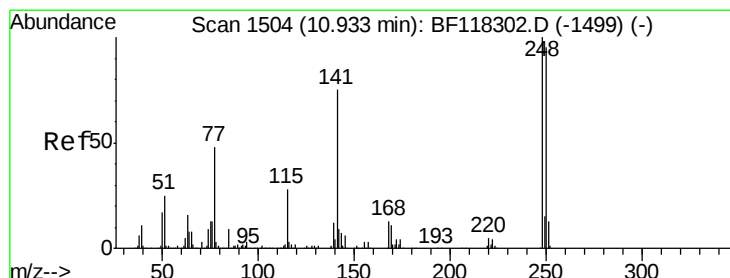
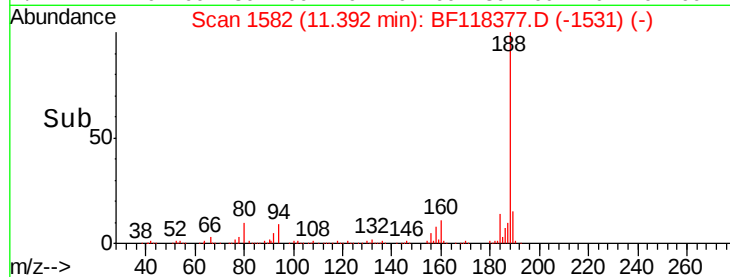
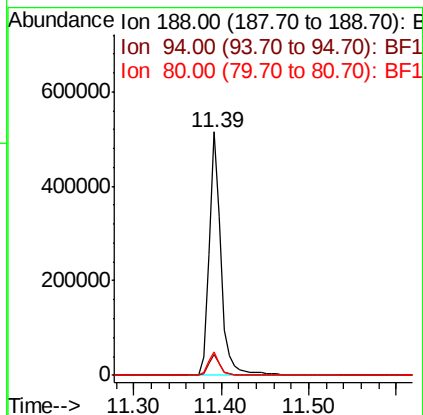
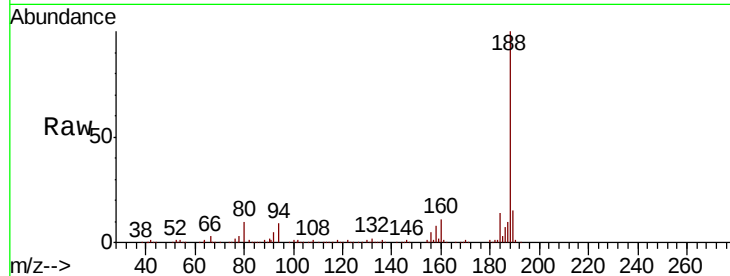




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

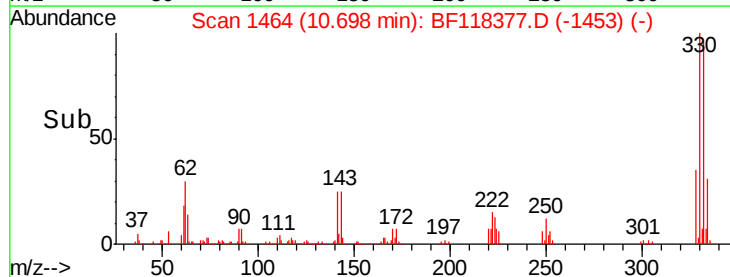
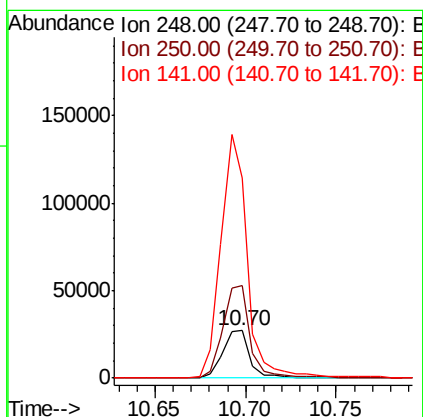
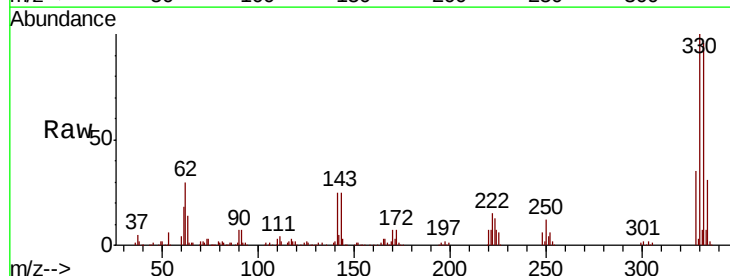
Instrument :
BNA_F
ClientSampleId :

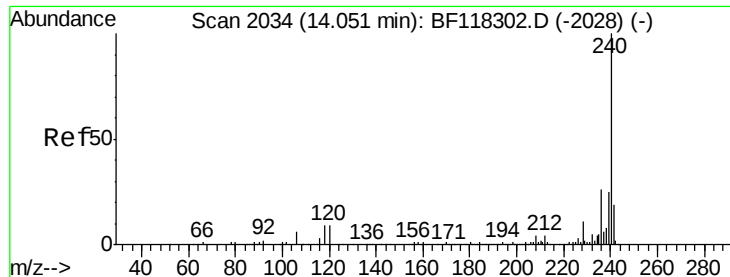
Tot Ion:188 Resp: 481835
Ion Ratio Lower Upper
188 100
94 8.8 6.7 10.1
80 9.6 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 5.028 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF118377.D
Acq: 28 Dec 2019 20:49

Tgt Ion:248 Resp: 28351
Ion Ratio Lower Upper
248 100
250 194.5 76.4 114.6#
141 420.2 60.2 90.2#

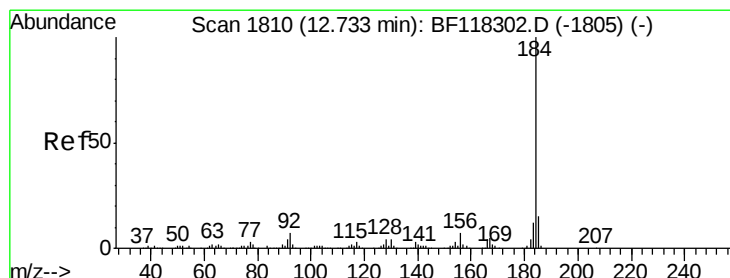
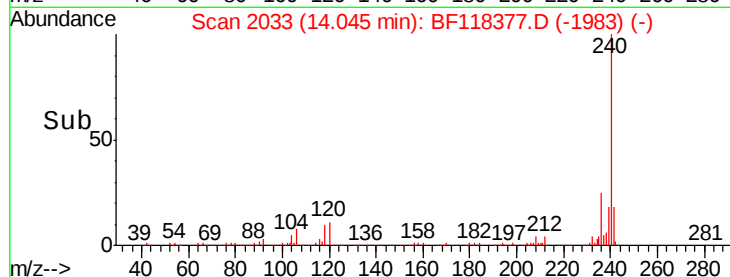
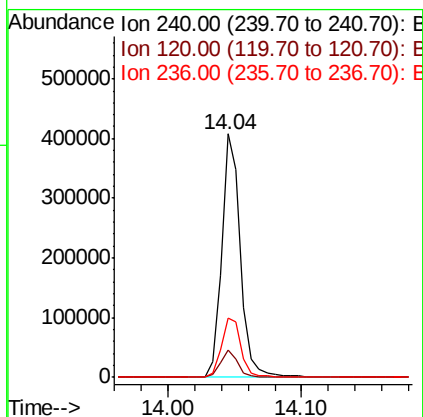
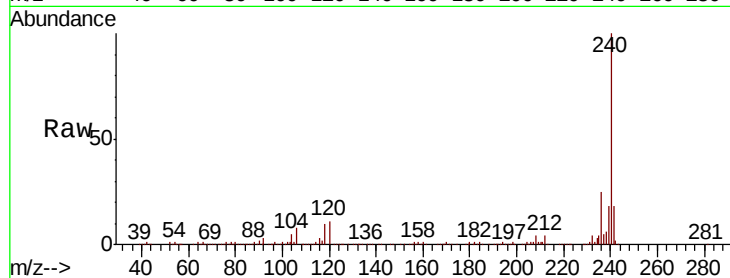




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF118377.D
 Acq: 28 Dec 2019 20:49

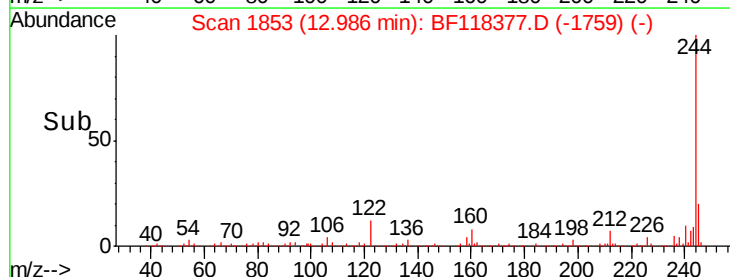
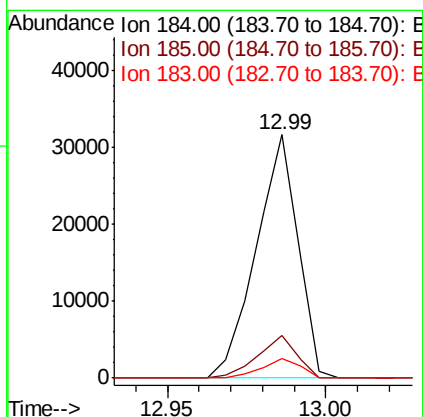
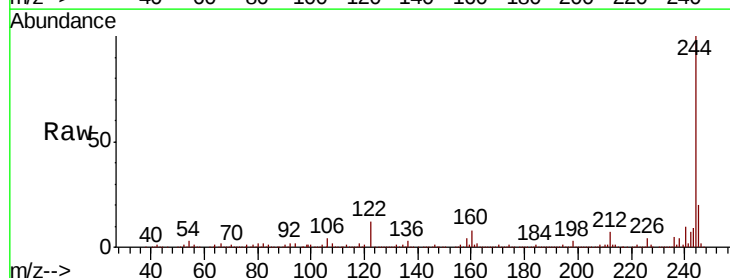
Instrument :
 BNA_F
 ClientSampleId :

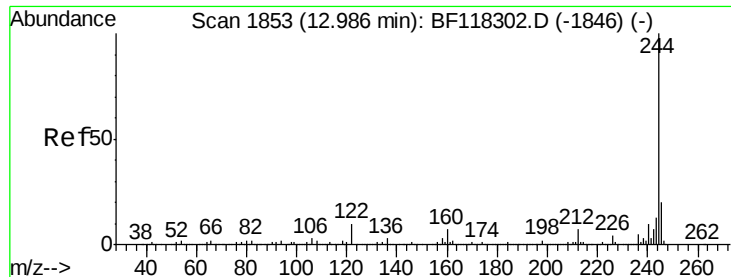
Tot Ion:240 Resp: 401839
 Ion Ratio Lower Upper
 240 100
 120 11.0 7.1 10.7#
 236 24.6 21.0 31.6



#77
 Benzidine
 Concen: 2.625 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.25 min
 Lab File: BF118377.D
 Acq: 28 Dec 2019 20:49

Tgt Ion:184 Resp: 28902
 Ion Ratio Lower Upper
 184 100
 185 17.6 12.3 18.5
 183 7.9 9.4 14.2#





#79

Terphenyl-d14

Concen: 86.342 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF118377.D

Acq: 28 Dec 2019 20:49

Instrument :

BNA_F

ClientSampled :

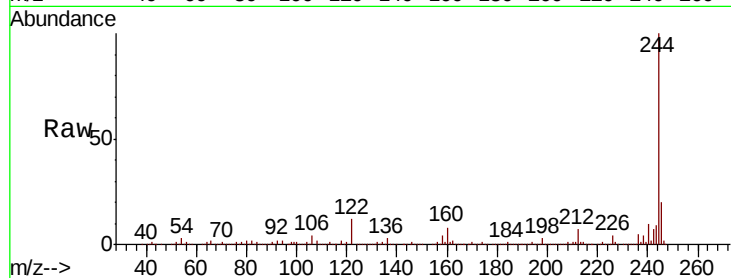
Tot Ion:244 Resp: 2091311

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.2

122 12.0 7.8 11.8#

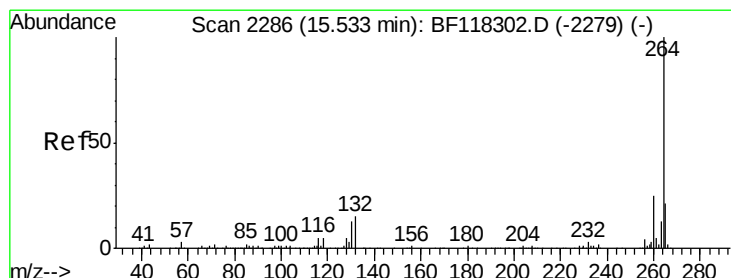
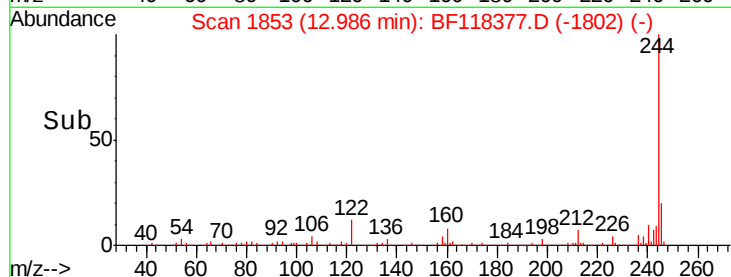
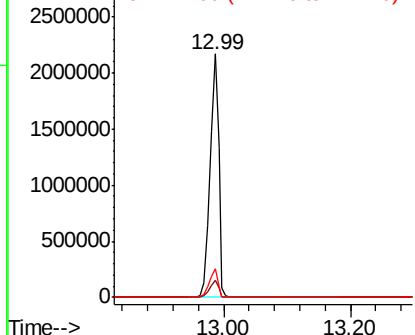


Abundance

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: BF118377.D

Acq: 28 Dec 2019 20:49

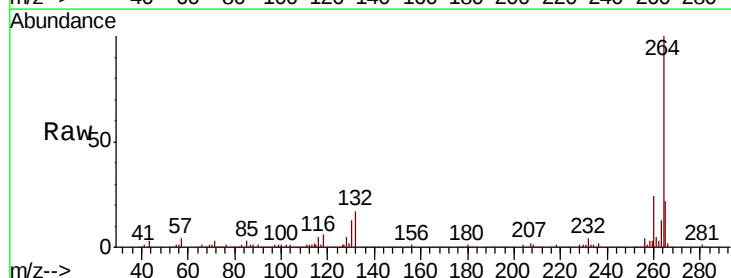
Tgt Ion:264 Resp: 392754

Ion Ratio Lower Upper

264 100

260 23.7 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

