

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121819\
 Data File : BF118272.D
 Acq On : 18 Dec 2019 21:26
 Operator : JU
 Sample : K6357-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 03:11:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 17:34:43 2019
 Response via : Initial Calibration

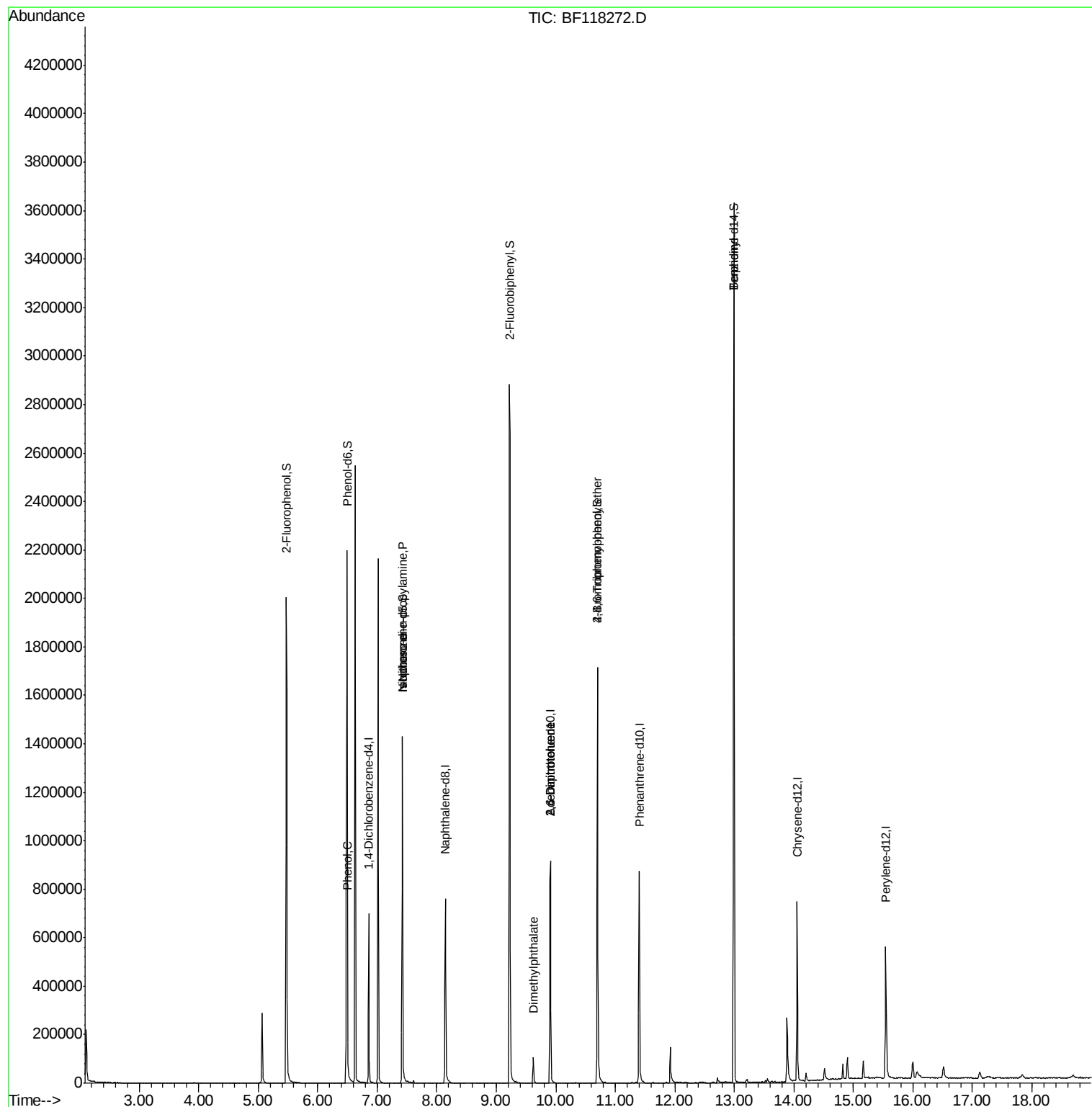
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	98975	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	382487	20.00	ng	-0.01
39) Acenaphthene-d10	9.91	164	204467	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	393464	20.00	ng	0.00
76) Chrysene-d12	14.06	240	271810	20.00	ng	-0.01
87) Perylene-d12	15.54	264	260711	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	596448	105.55	ng	0.00
7) Phenol-d6	6.49	99	746327	109.19	ng	0.00
23) Nitrobenzene-d5	7.42	82	443856	65.28	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	254641	102.52	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	966259	71.91	ng	-0.02
79) Terphenyl-d14	12.99	244	1176314	74.42	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	1191	Below Cal	Qvalue	# 1
10) Phenol	6.50	94	17821	2.286 ng		93
19) n-Nitroso-di-n-propylamine	7.42	70	59235	14.262 ng	#	76
25) Isophorone	7.42	82	443849	38.510 ng	#	62
50) Dimethylphthalate	9.62	163	55838	3.697 ng		98
51) 2,6-Dinitrotoluene	9.91	165	26663	8.119 ng	#	26
57) 2,4-Dinitrotoluene	9.91	165	26663	6.083 ng	#	25
67) 4-Bromophenyl-phenylether	10.70	248	15690	3.493 ng	#	1
77) Benzidine	12.99	184	15509	2.167 ng	#	92

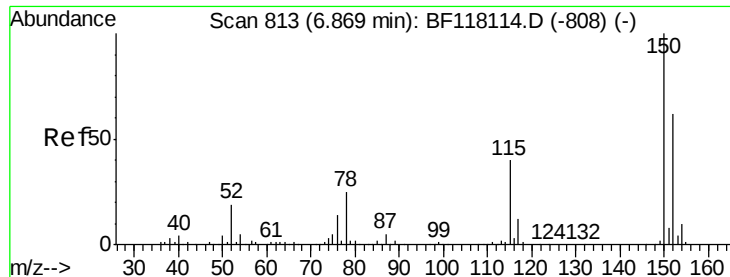
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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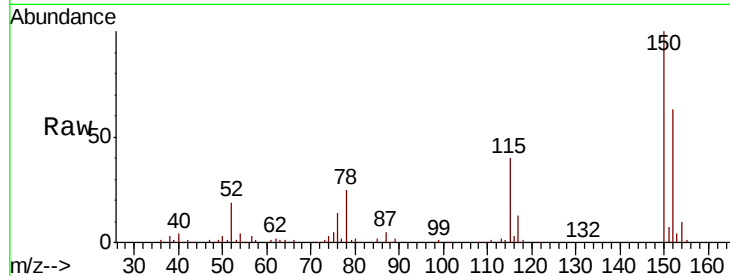


#1

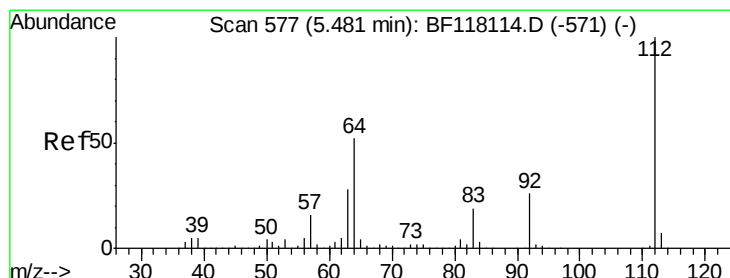
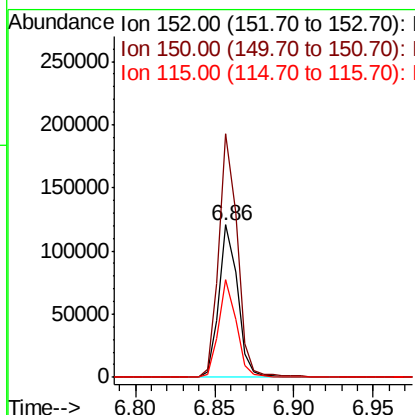
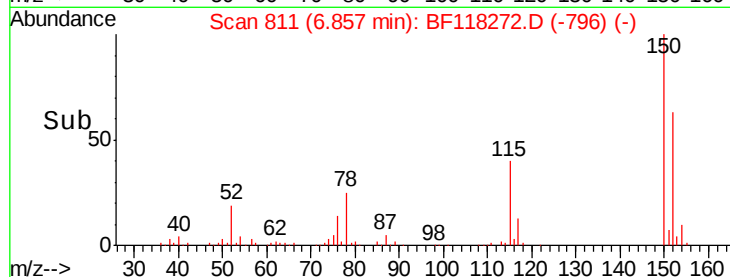
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 98975
Ion Ratio Lower Upper
152 100
150 159.8 128.3 192.5
115 63.9 51.1 76.7



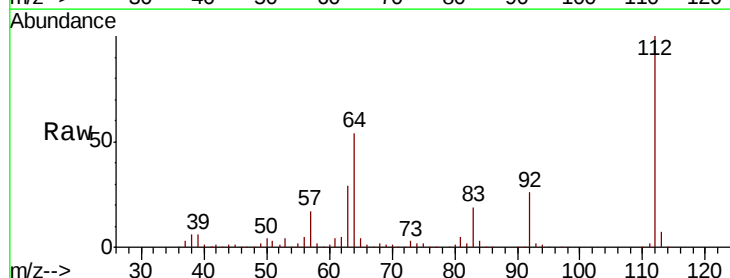
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



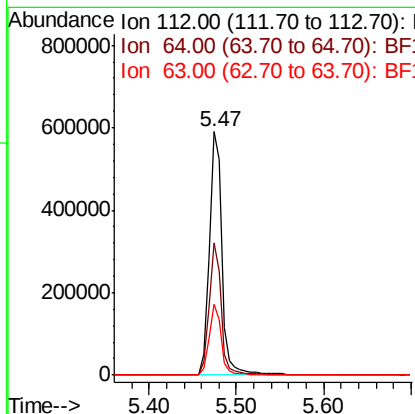
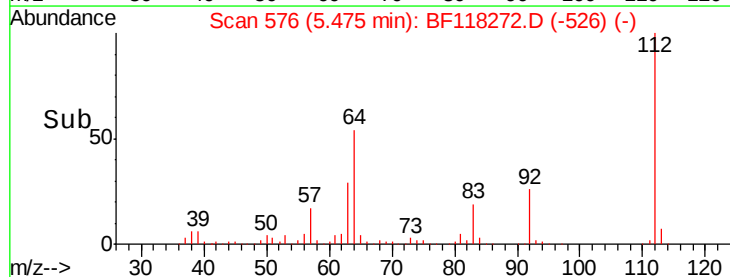
#5

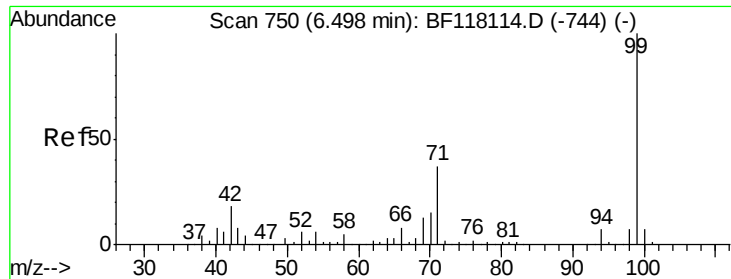
2-Fluorophenol
Concen: 105.548 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Tgt Ion:112 Resp: 596448
Ion Ratio Lower Upper
112 100
64 54.3 41.3 61.9
63 29.2 22.4 33.6



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: 109.191 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118272.D

Acq: 18 Dec 2019 21:26

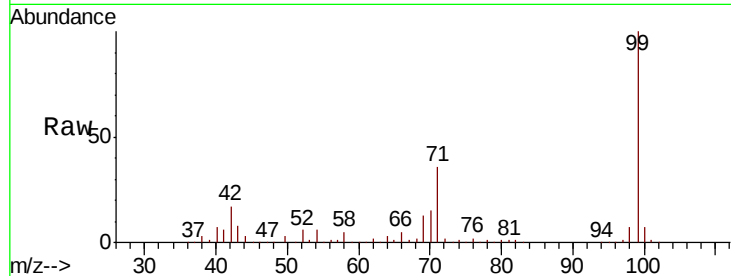
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 746327

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.1	21.1
71	35.9	29.7	44.5

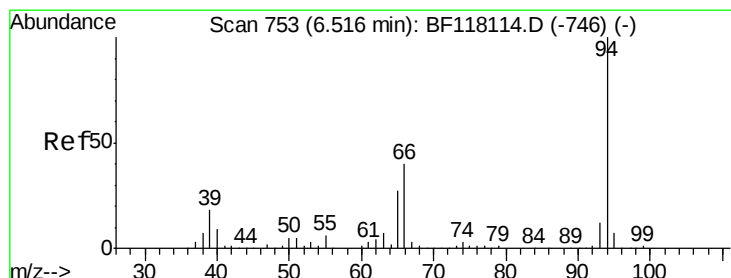
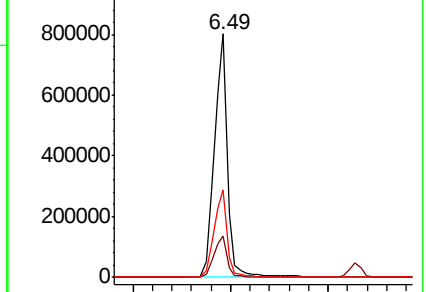
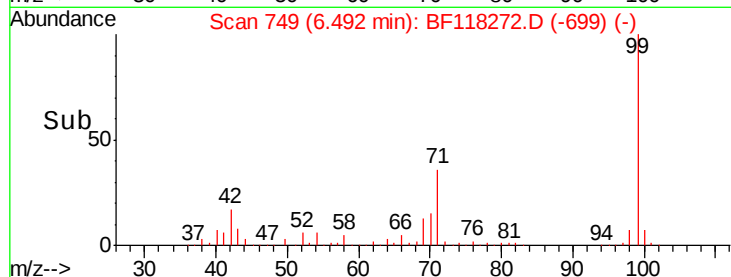


Abundance

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: 2.286 ng

RT: 6.50 min Scan# 751

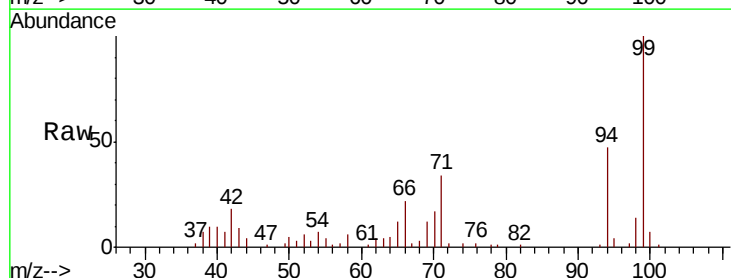
Delta R.T. -0.01 min

Lab File: BF118272.D

Acq: 18 Dec 2019 21:26

Tgt Ion: 94 Resp: 17821

Ion	Ratio	Lower	Upper
94	100		
65	25.0	7.3	47.3
66	45.4	20.2	60.2

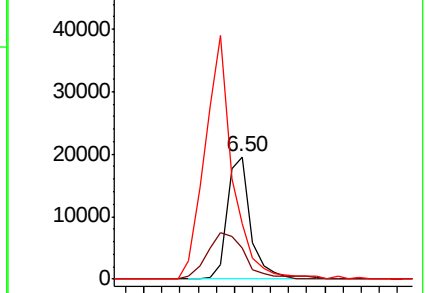
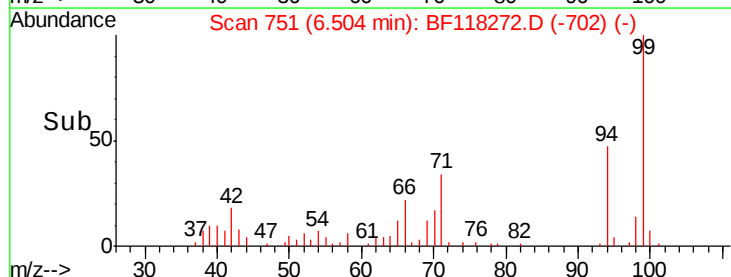


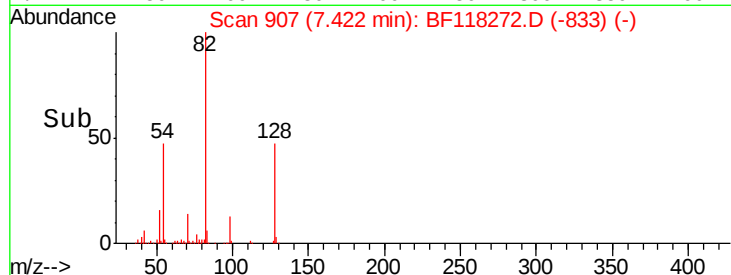
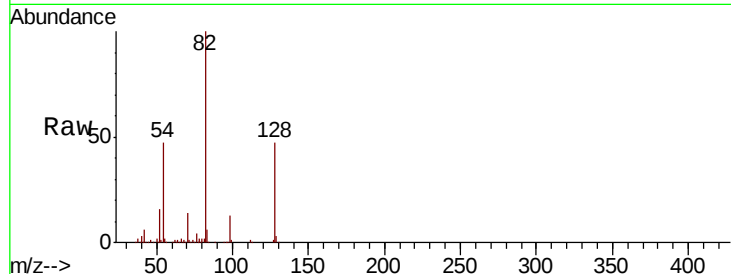
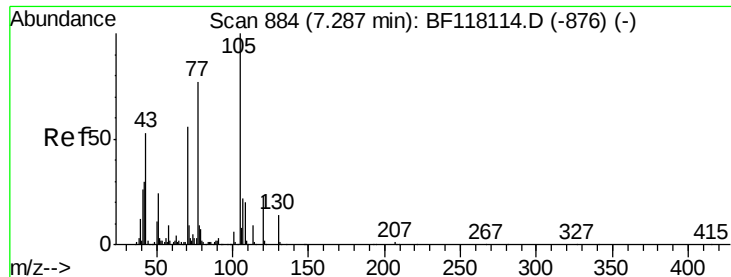
Abundance

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

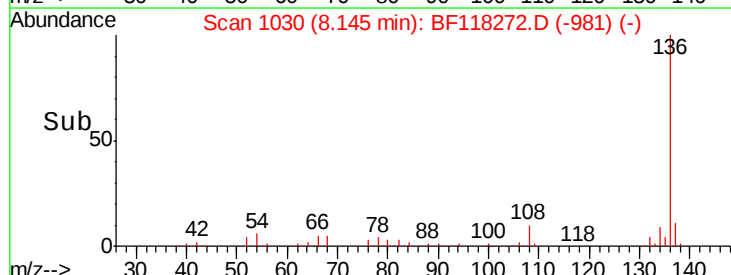
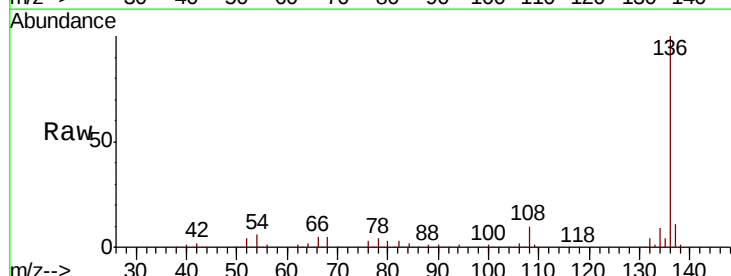
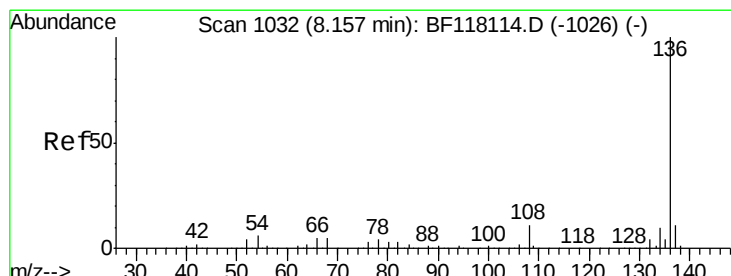
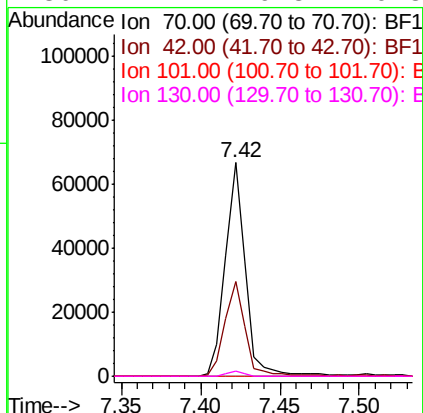




#19
n-Nitroso-di-n-propylamine
Concen: 14.262 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.14 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

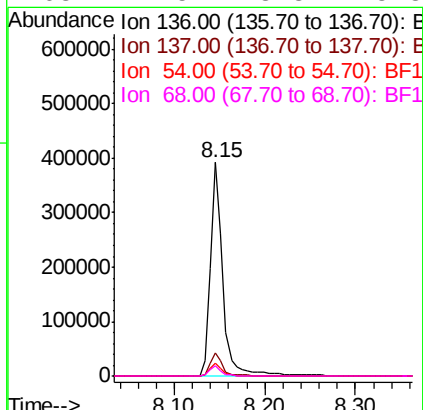
Instrument :
BNA_F
ClientSampleId :

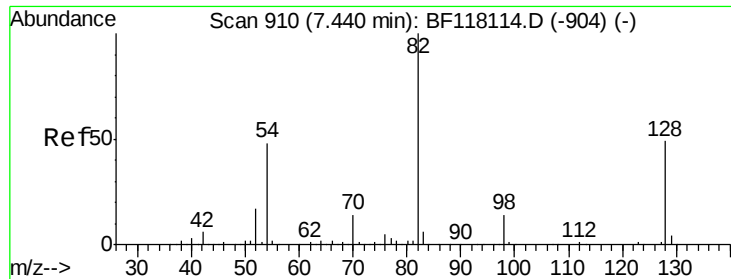
Tot Ion: 70 Resp: 59235
Ion Ratio Lower Upper
70 100
42 44.6 43.2 64.8
101 0.0 8.1 12.1#
130 2.4 19.8 29.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Tgt Ion: 136 Resp: 382487
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 5.9 5.0 7.6
68 4.5 3.8 5.8

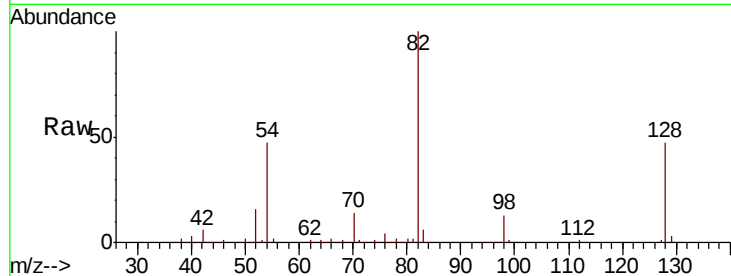




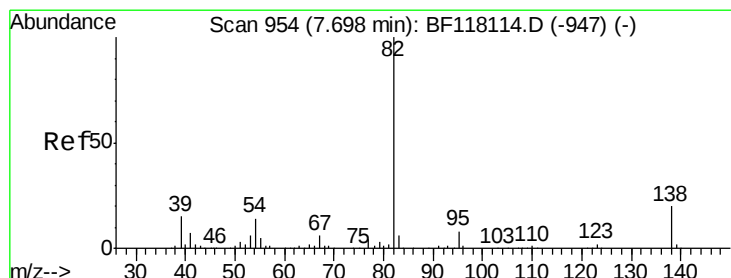
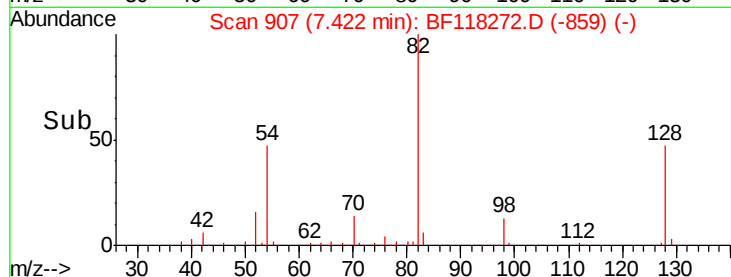
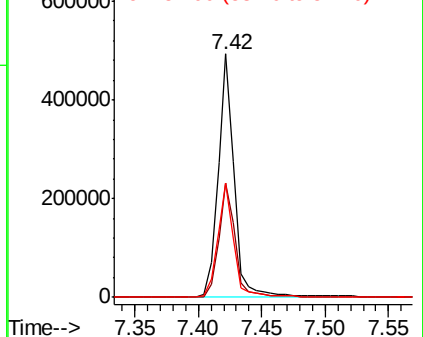
#23
Nitrobenzene-d5
Concen: 65.284 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.02 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	443856
Ion Ratio	Lower	Upper	
82	100		
128	46.9	39.1	58.7
54	47.2	38.2	57.2

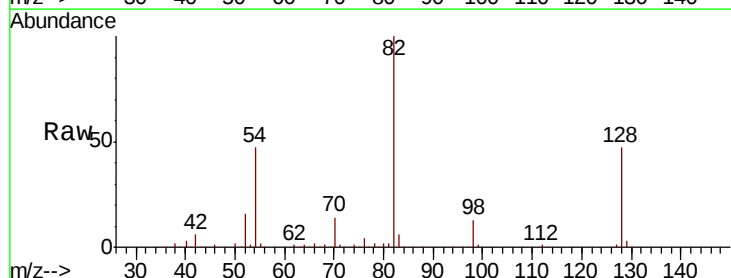


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

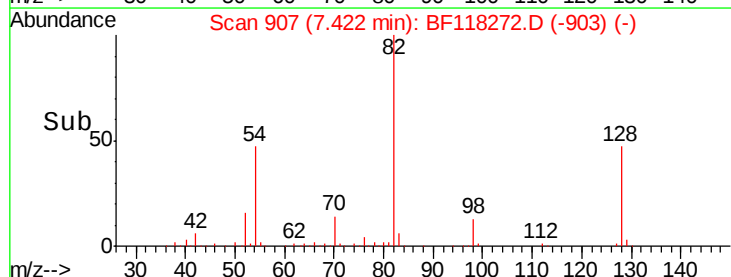
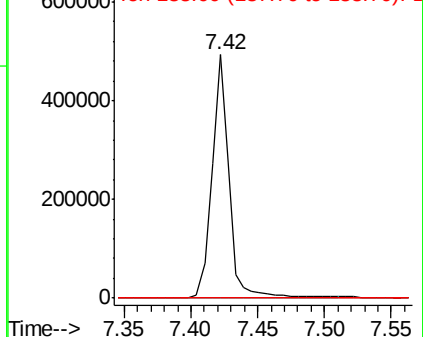


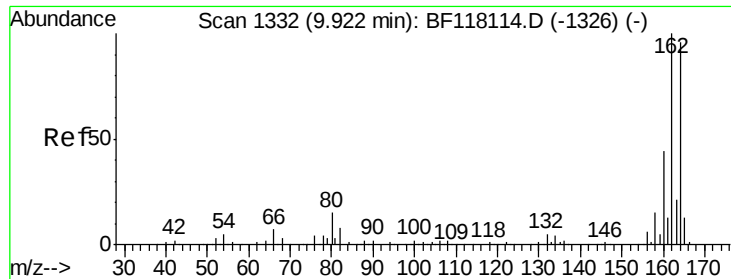
#25
Isophorone
Concen: 38.510 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.28 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Tgt Ion	82	Resp	443849
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.3	9.5#
138	0.0	16.3	24.5#



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: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF118272.D

Acq: 18 Dec 2019 21:26

Instrument :

BNA_F

ClientSampleId :

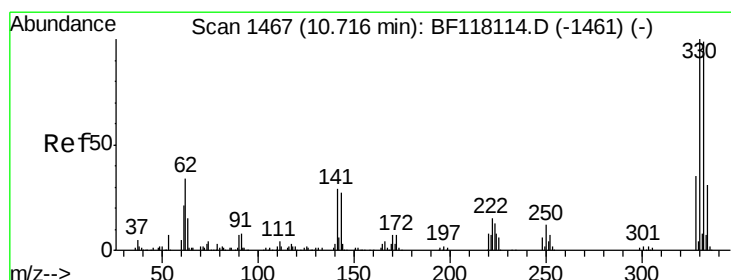
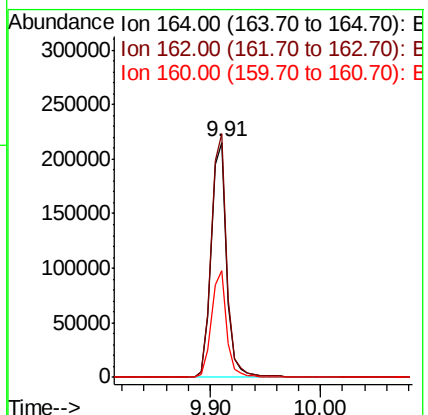
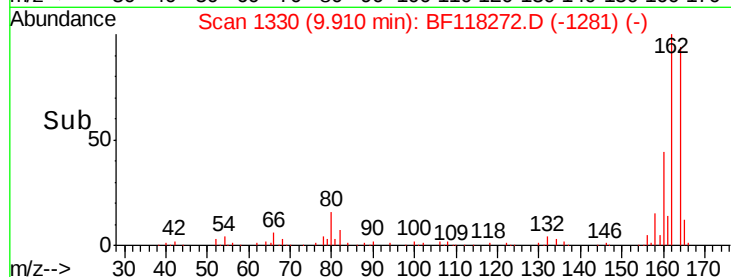
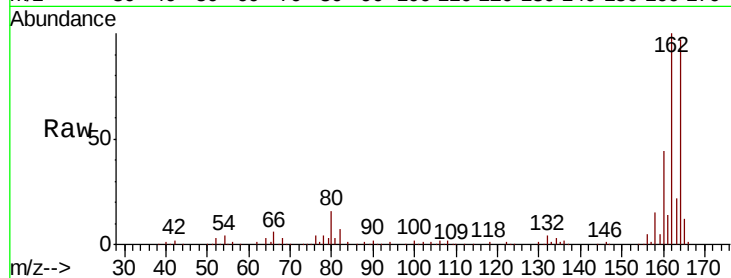
Tot Ion:164 Resp: 204467

Ion Ratio Lower Upper

164 100

162 103.6 83.4 125.0

160 45.2 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 102.517 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF118272.D

Acq: 18 Dec 2019 21:26

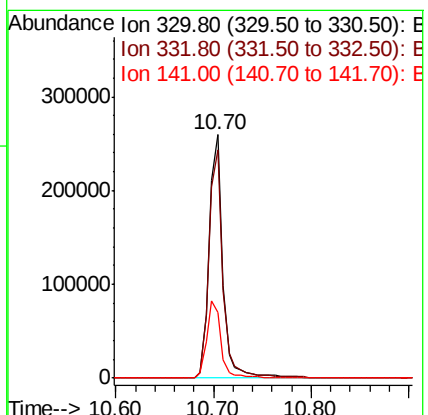
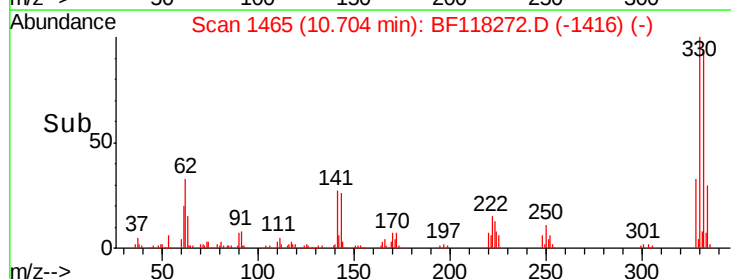
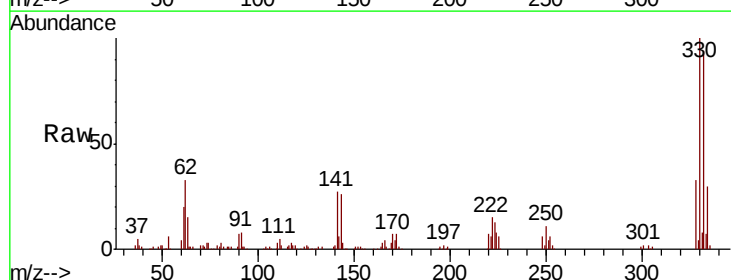
Tgt Ion:330 Resp: 254641

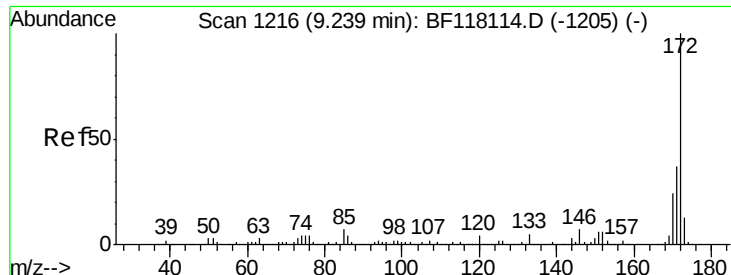
Ion Ratio Lower Upper

330 100

332 96.7 78.1 117.1

141 32.9 26.9 40.3

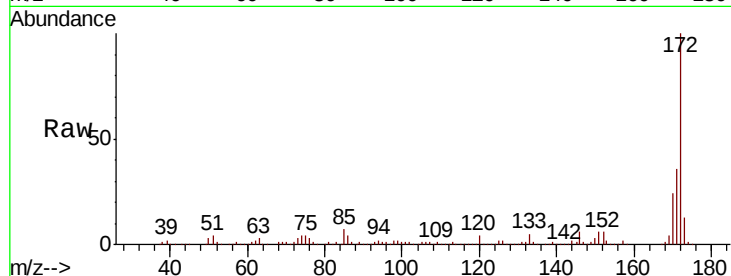




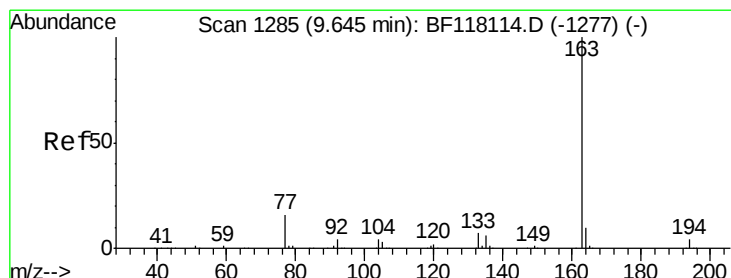
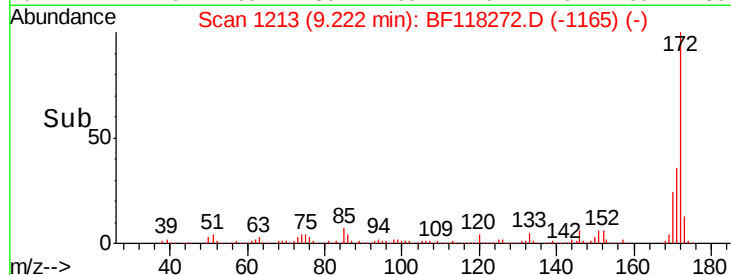
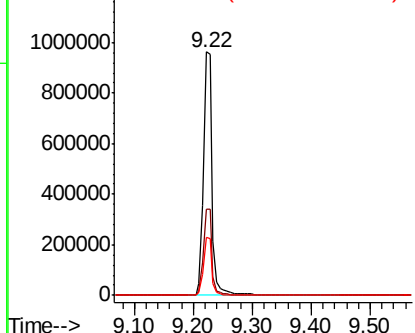
#45
2-Fluorobiphenyl
Concen: 71.909 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.6	19.4	29.2

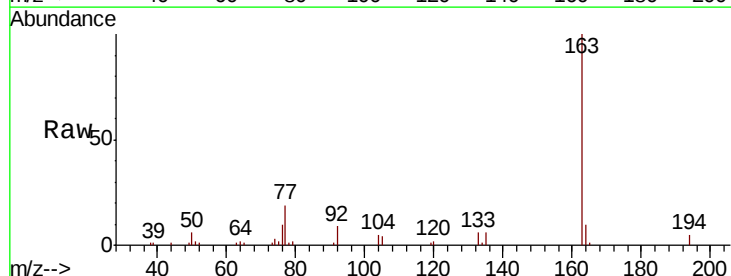


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

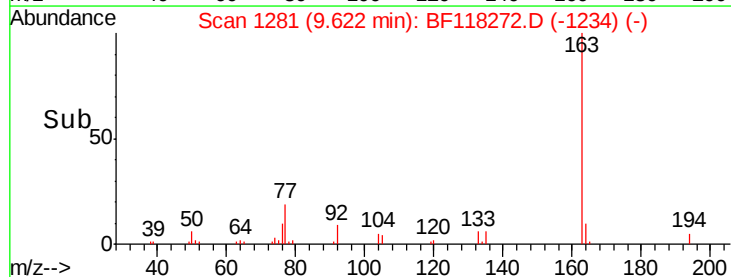
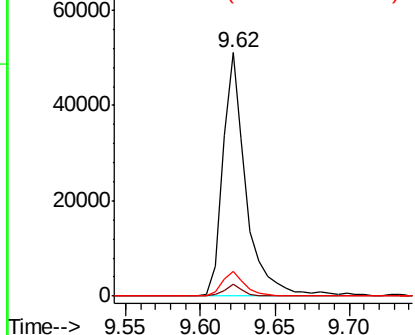


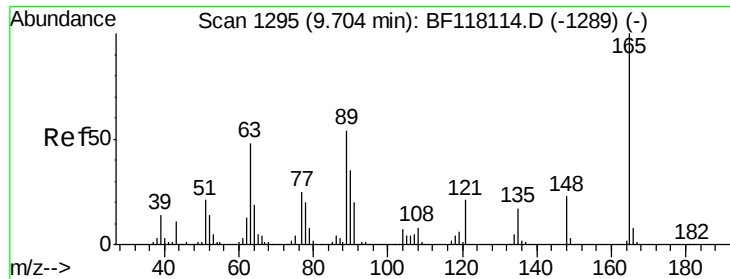
#50
Dimethylphthalate
Concen: 3.697 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.1	4.7
164	10.0	7.7	11.5



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

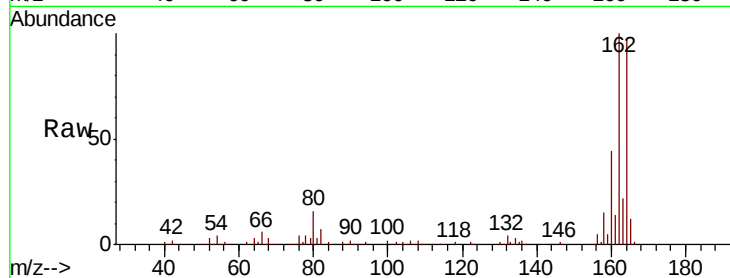




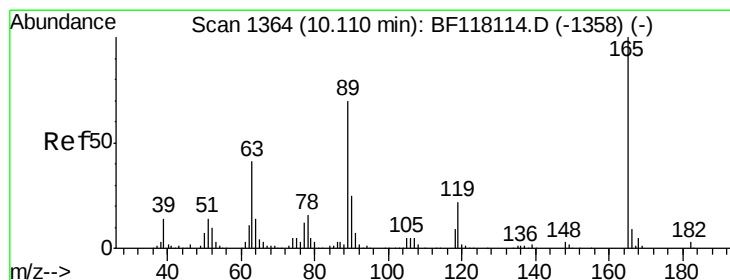
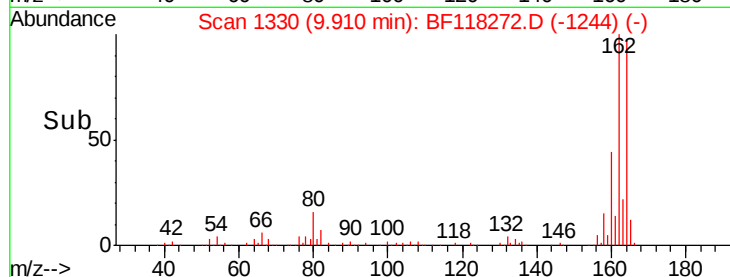
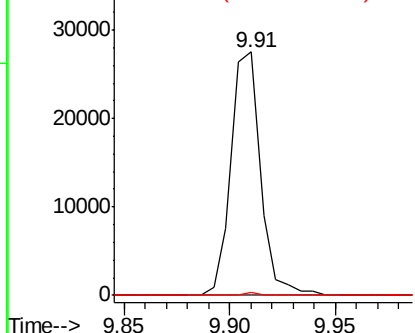
#51
 2,6-Dinitrotoluene
 Concen: 8.119 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF118272.D
 Acq: 18 Dec 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.4	62.0#
89	1.3	42.9	64.3#

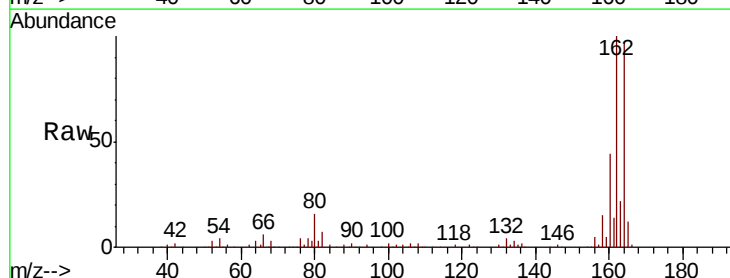


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

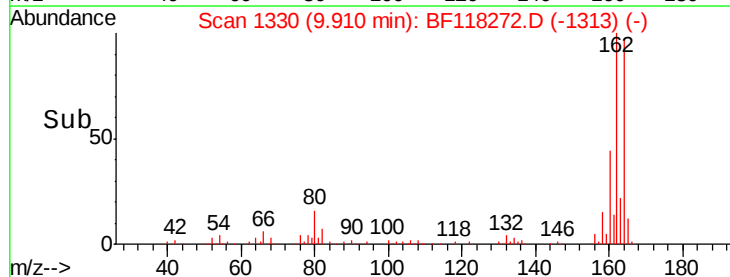
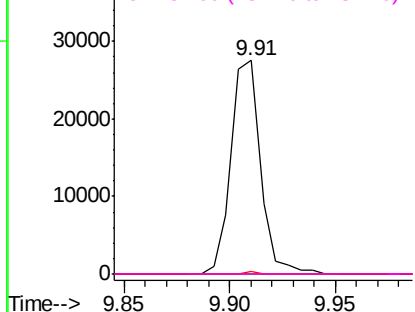


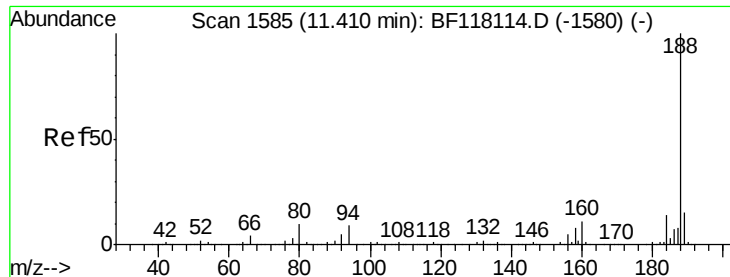
#57
 2,4-Dinitrotoluene
 Concen: 6.083 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF118272.D
 Acq: 18 Dec 2019 21:26

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	32.6	49.0#
89	1.3	56.1	84.1#
182	0.0	2.1	3.1#



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

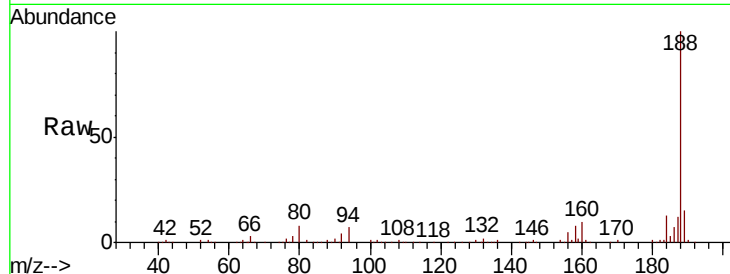




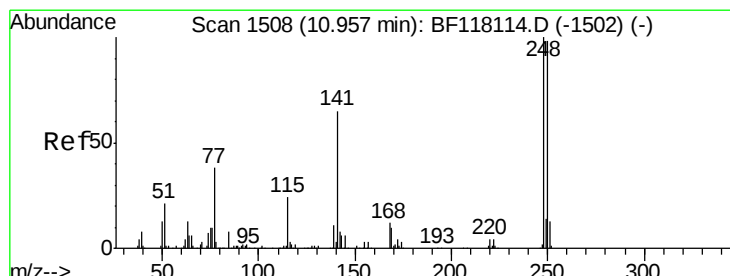
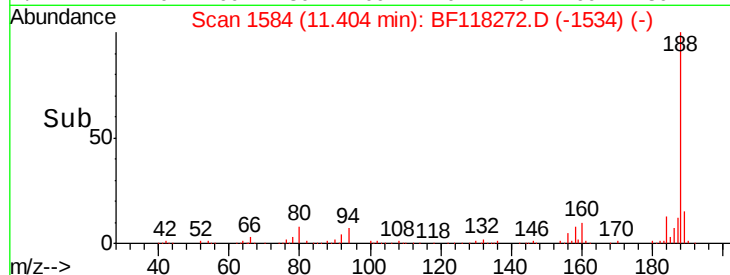
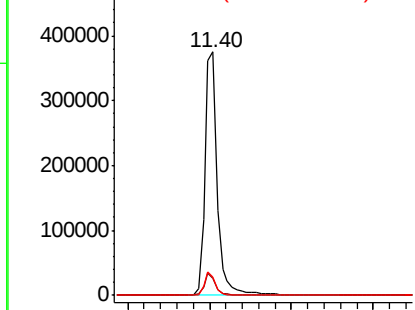
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 393464
Ion Ratio Lower Upper
188 100
94 7.3 7.1 10.7
80 7.8 7.9 11.9#

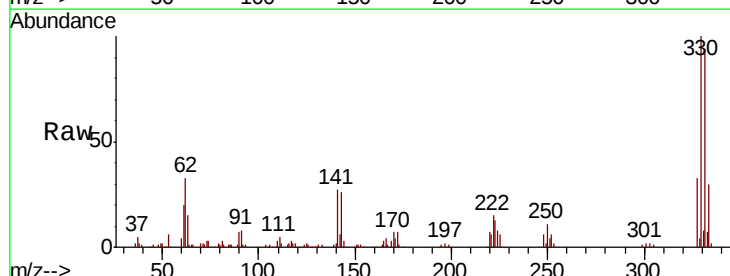


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

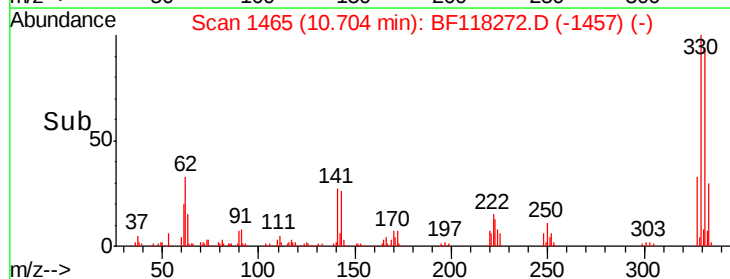
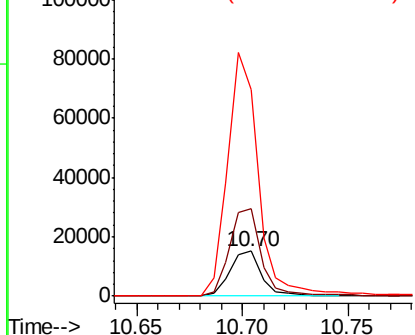


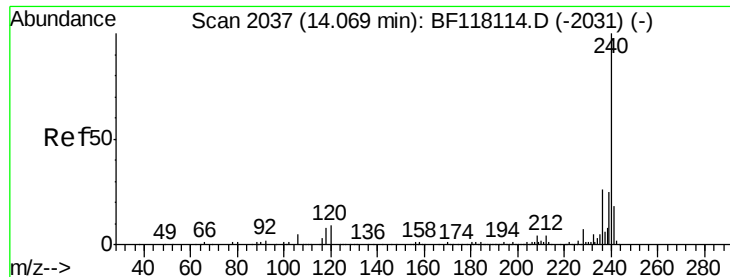
#67
4-Bromophenyl-phenylether
Concen: 3.493 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF118272.D
Acq: 18 Dec 2019 21:26

Tgt Ion:248 Resp: 15690
Ion Ratio Lower Upper
248 100
250 194.9 78.3 117.5#
141 461.7 52.2 78.4#



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

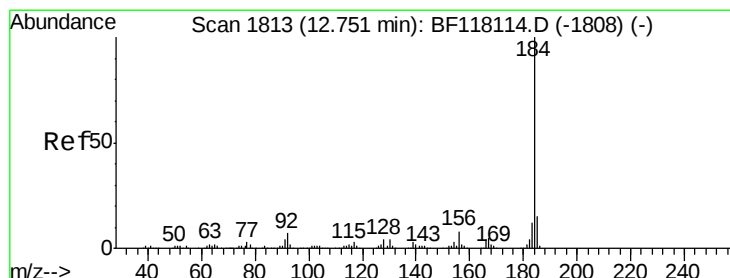
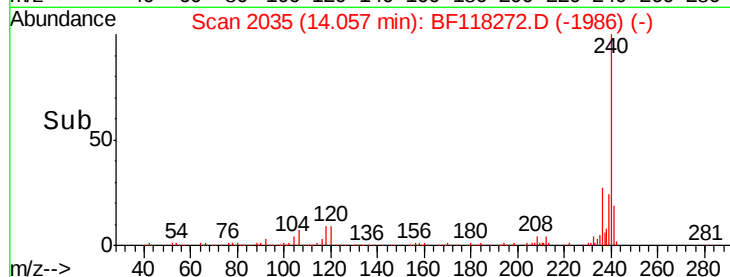
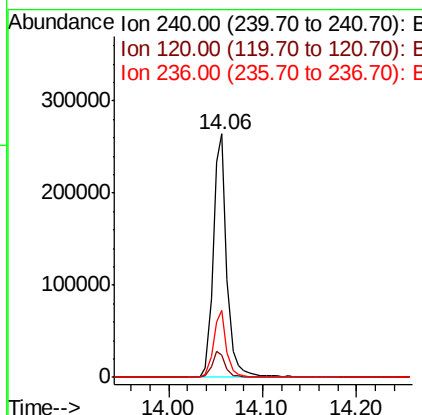
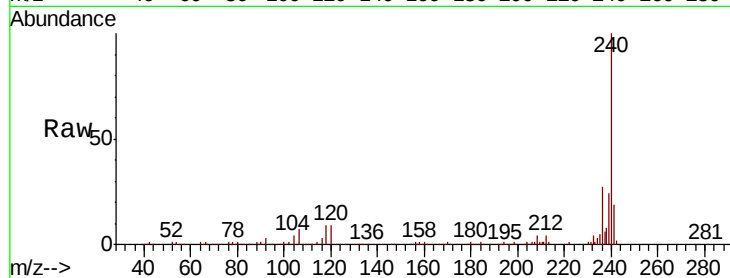




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: BF118272.D
 Acq: 18 Dec 2019 21:26

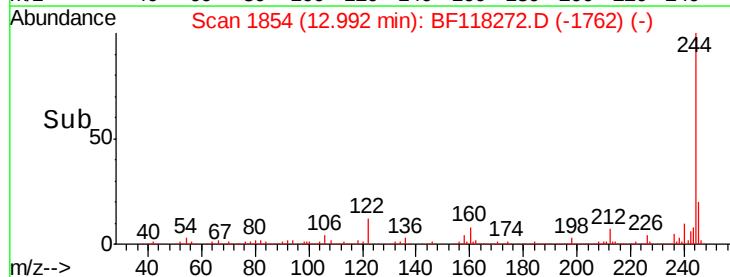
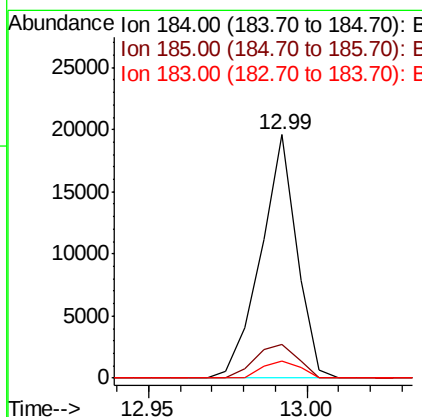
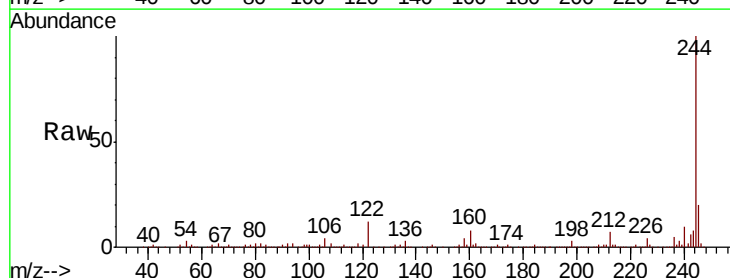
Instrument :
 BNA_F
 ClientSampleId :

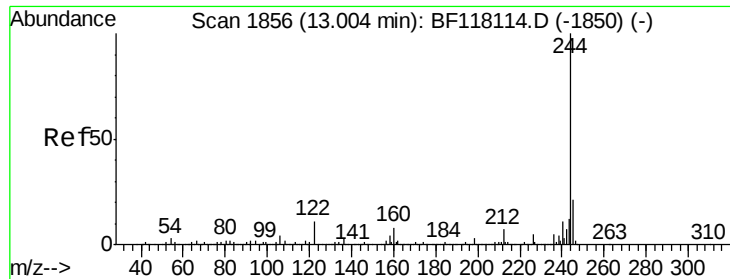
Tot Ion:240 Resp: 271810
 Ion Ratio Lower Upper
 240 100
 120 9.4 7.1 10.7
 236 27.4 21.0 31.6



#77
 Benzidine
 Concen: 2.167 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.24 min
 Lab File: BF118272.D
 Acq: 18 Dec 2019 21:26

Tgt Ion:184 Resp: 15509
 Ion Ratio Lower Upper
 184 100
 185 13.7 12.3 18.5
 183 7.2 9.9 14.9#





#79

Terphenyl-d14

Concen: 74.420 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF118272.D

Acq: 18 Dec 2019 21:26

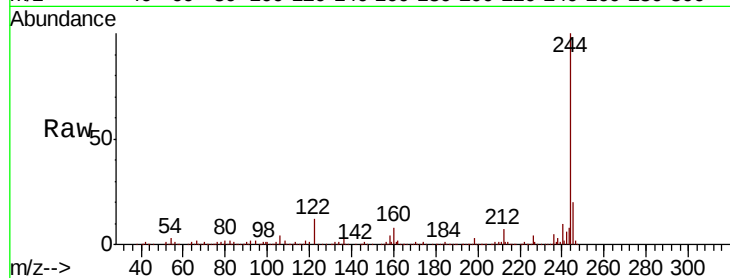
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1176314

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	11.7	9.0	13.6

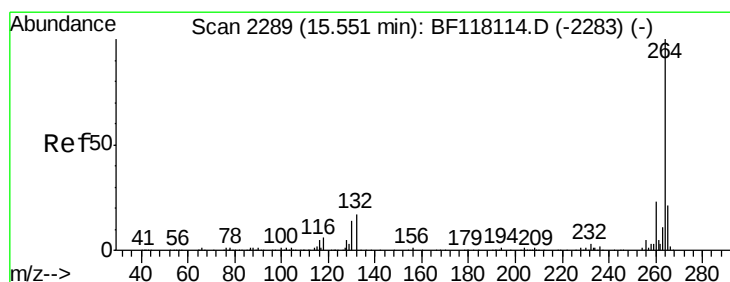
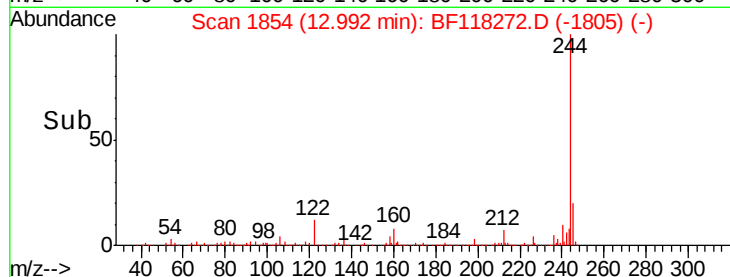
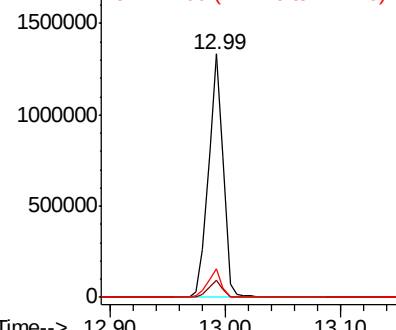


Abundance

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: 15.54 min Scan# 2288

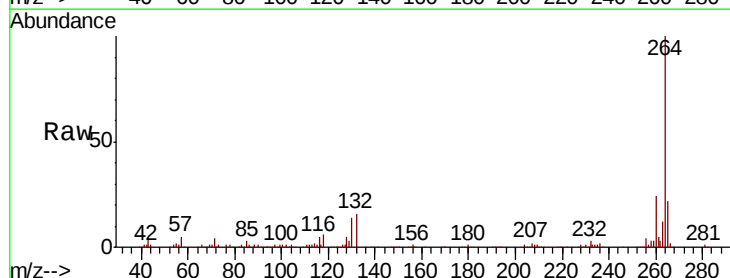
Delta R.T. -0.01 min

Lab File: BF118272.D

Acq: 18 Dec 2019 21:26

Tgt Ion:264 Resp: 260711

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.6	28.0
265	21.5	16.8	25.2



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

