

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021919\
 Data File : BF112622.D
 Acq On : 19 Feb 2019 15:46
 Operator : JU/SJ
 Sample : K1515-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 19 16:16:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

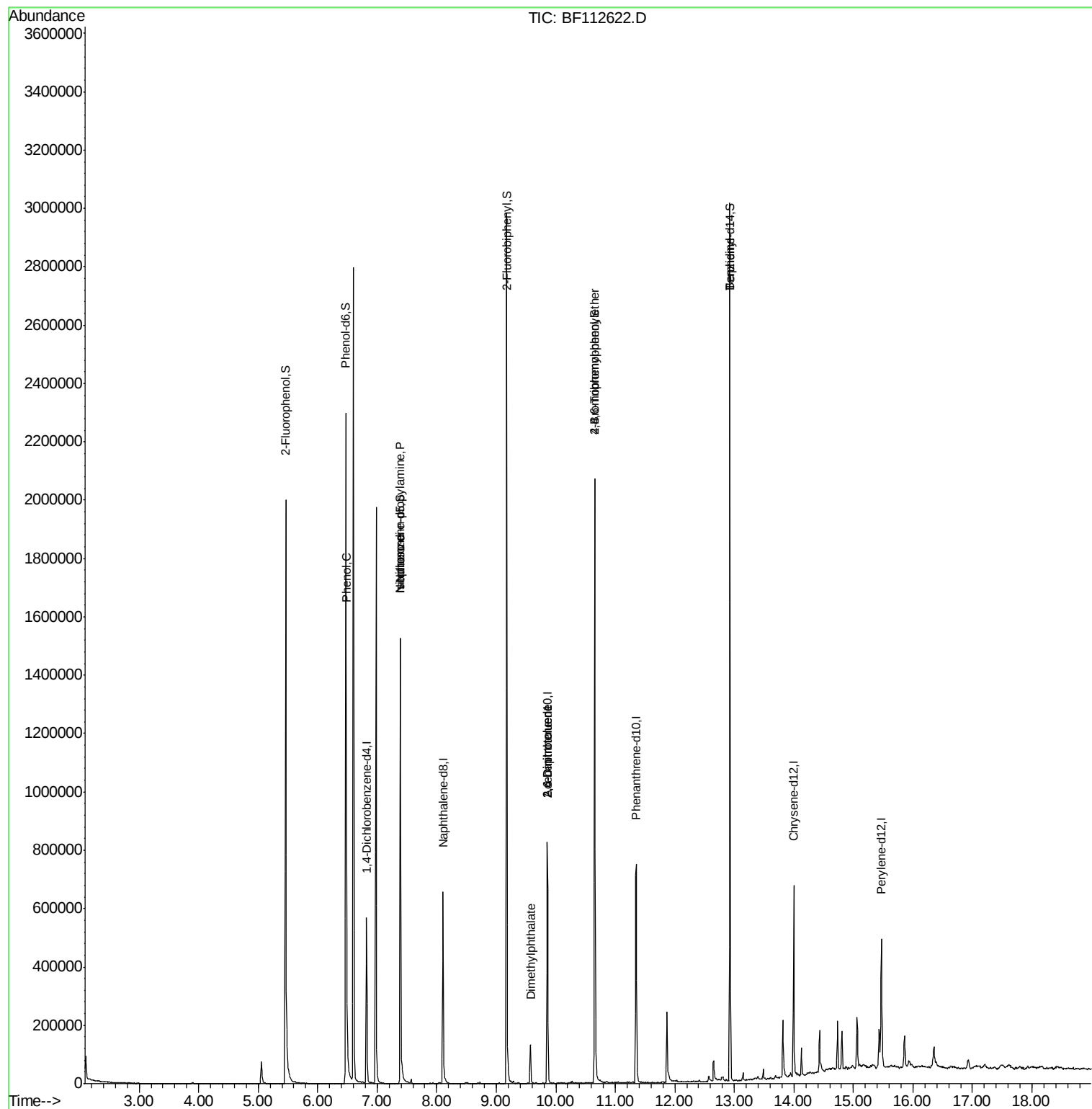
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	90582	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	348140	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	174061	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	331878	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	236556	20.00	ng	-0.01
87) Perylene-d12	15.47	264	211429	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	684824	160.59	ng	-0.02
7) Phenol-d6	6.47	99	850599	143.54	ng	-0.02
23) Nitrobenzene-d5	7.39	82	552543	91.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	276670	136.56	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1009289	82.01	ng	-0.03
79) Terphenyl-d14	12.93	244	1008097	80.26	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	60583	9.319	ng	85
19) n-Nitroso-di-n-propylamine	7.39	70	75325	18.434	ng	# 77
25) Isophorone	7.39	82	552539	58.293	ng	# 63
50) Dimethylphthalate	9.57	163	68456	5.062	ng	96
51) 2,6-Dinitrotoluene	9.86	165	21975	7.255	ng	# 34
57) 2,4-Dinitrotoluene	9.86	165	21975	5.699	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	17471	4.476	ng	# 1
77) Benzidine	12.93	184	14823	2.277	ng	# 91

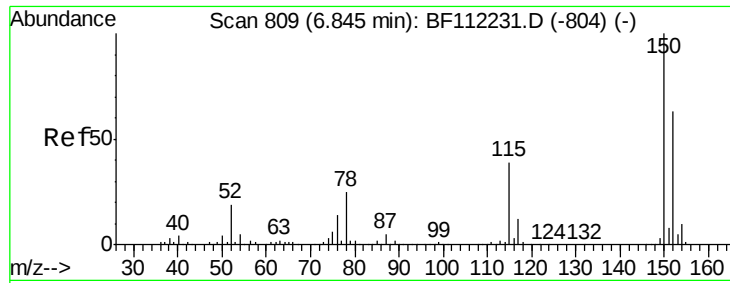
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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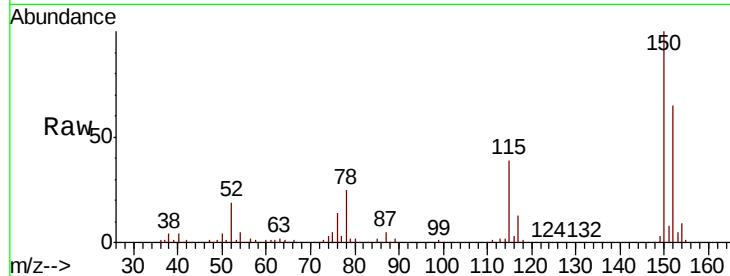


#1

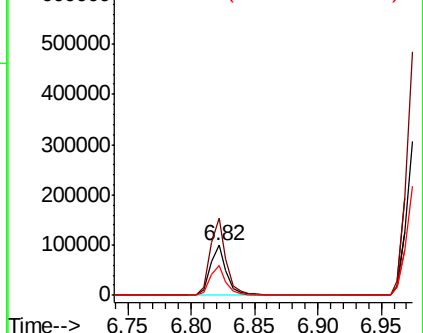
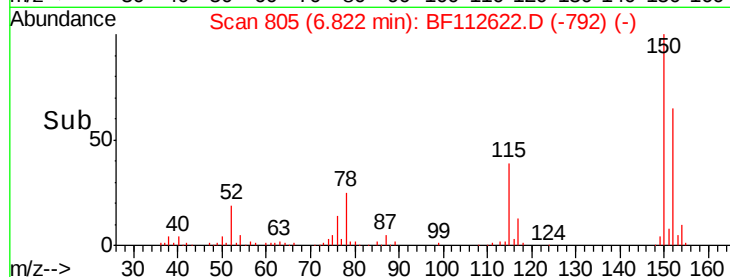
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112622.D
Acq: 19 Feb 2019 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 90582
Ion Ratio Lower Upper
152 100
150 153.4 127.4 191.0
115 59.6 45.5 68.3



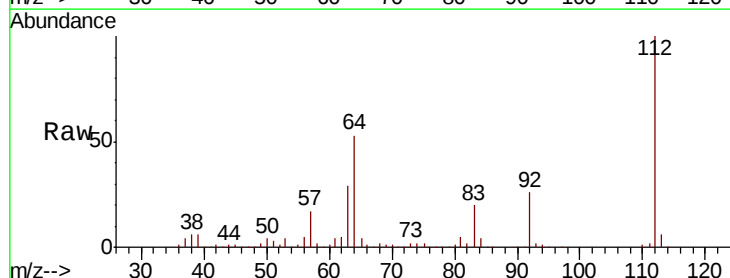
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



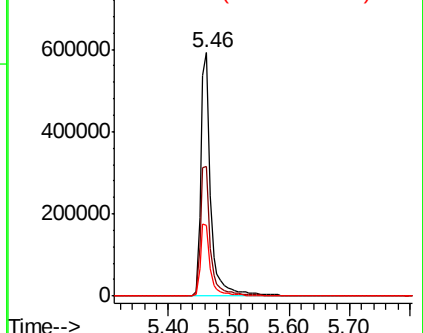
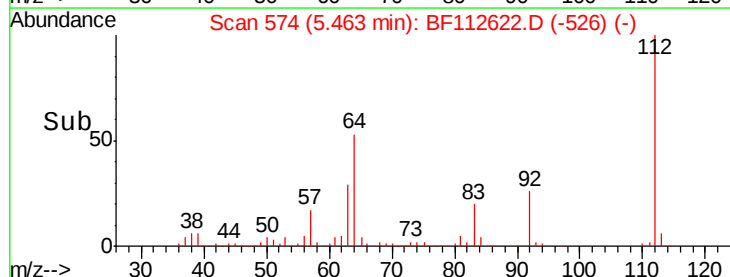
#5

2-Fluorophenol
Concen: 160.585 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF112622.D
Acq: 19 Feb 2019 15:46

Tgt Ion:112 Resp: 684824
Ion Ratio Lower Upper
112 100
64 53.2 45.7 68.5
63 29.0 23.6 35.4



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: 143.541 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

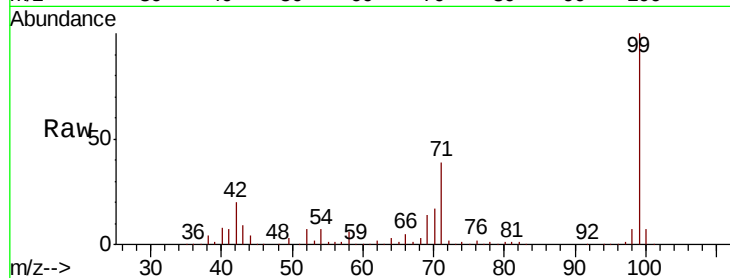
Tot Ion: 99 Resp: 850599

Ion Ratio Lower Upper

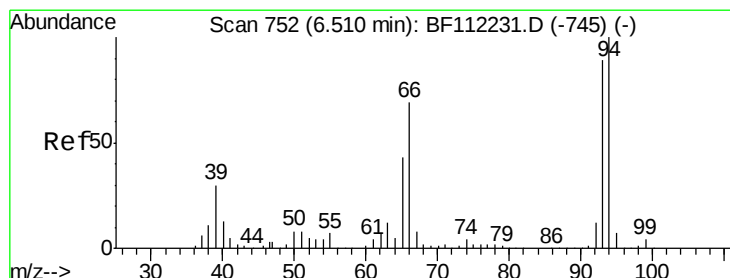
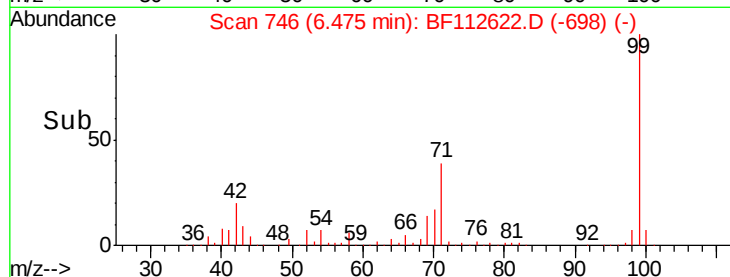
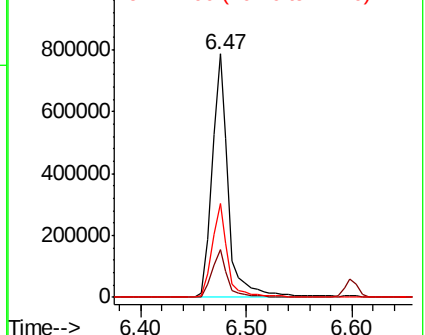
99 100

42 19.6 15.1 22.7

71 38.5 26.9 40.3



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: 9.319 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

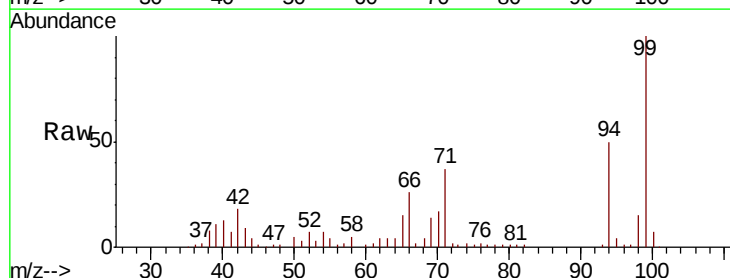
Tgt Ion: 94 Resp: 60583

Ion Ratio Lower Upper

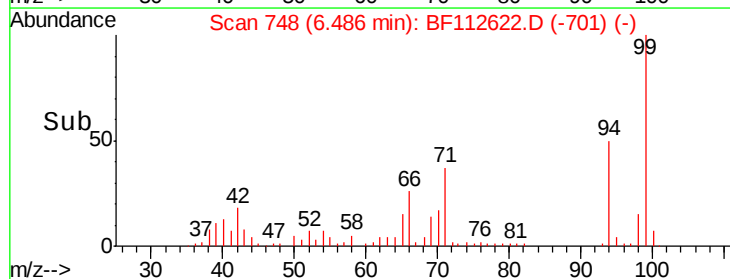
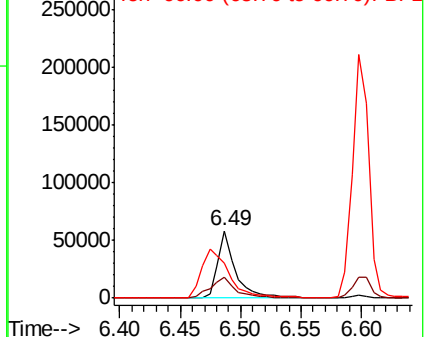
94 100

65 30.8 20.3 60.3

66 51.4 42.4 82.4



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

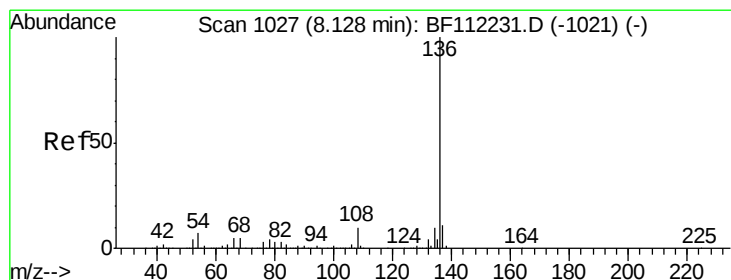
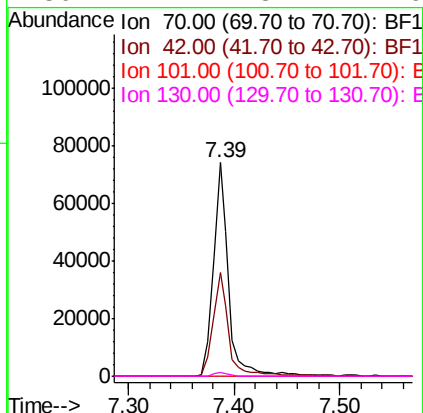
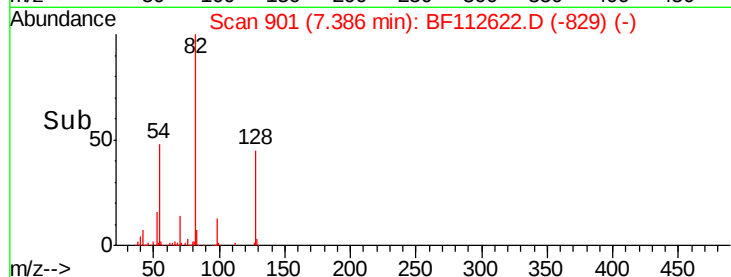
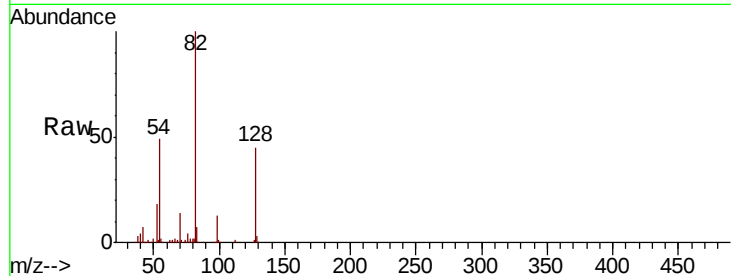




#19
n-Nitroso-di-n-propylamine
Concen: 18.434 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112622.D
Acq: 19 Feb 2019 15:46

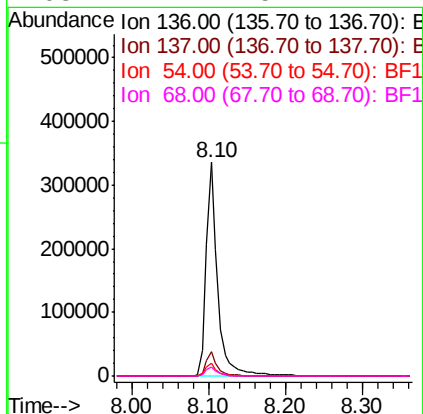
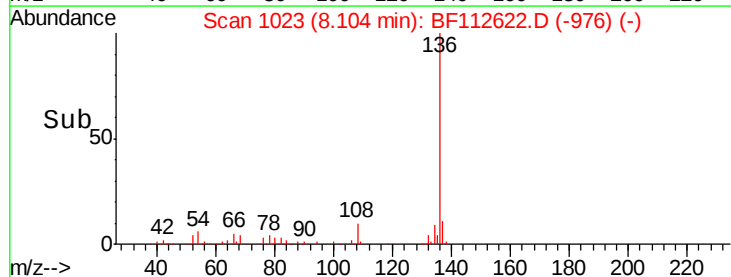
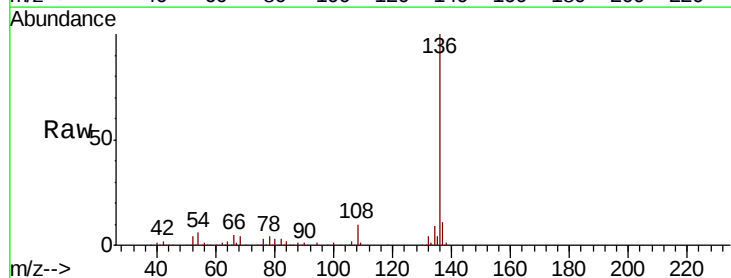
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 75325
Ion Ratio Lower Upper
70 100
42 48.8 47.6 71.4
101 0.0 7.9 11.9#
130 2.1 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF112622.D
Acq: 19 Feb 2019 15:46

Tgt Ion: 136 Resp: 348140
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 5.8 5.9 8.9#
68 4.2 5.1 7.7#

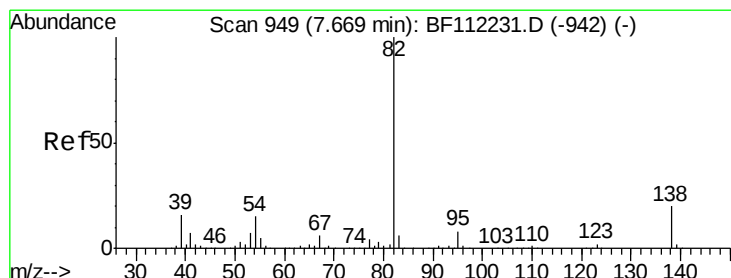
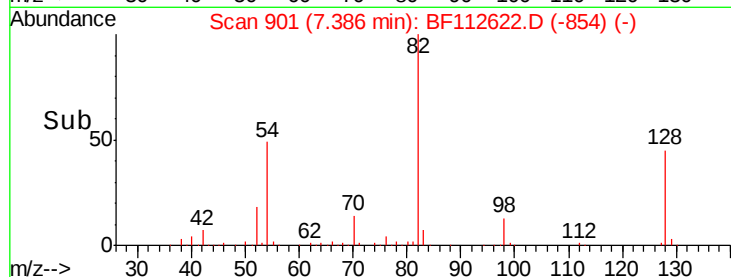
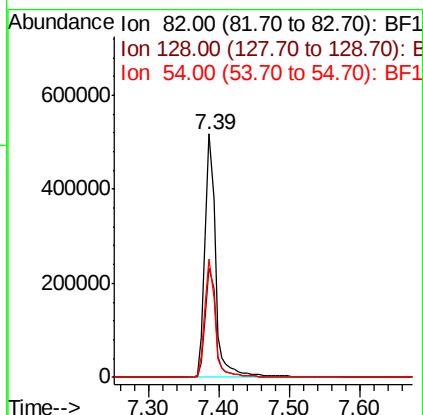
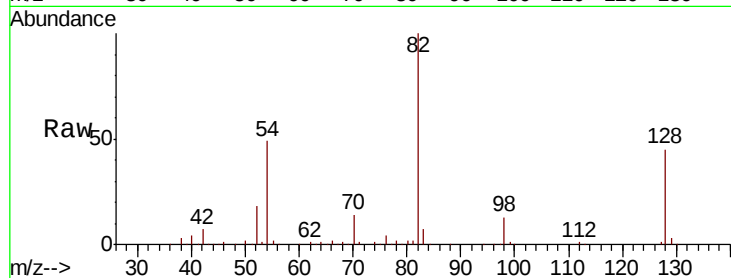




#23
Nitrobenzene-d5
Concen: 91.450 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.02 min
Lab File: BF112622.D
Acq: 19 Feb 2019 15:46

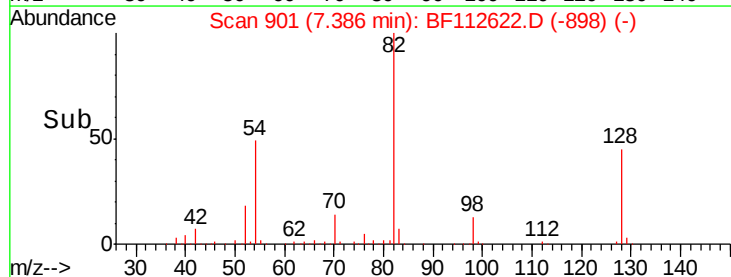
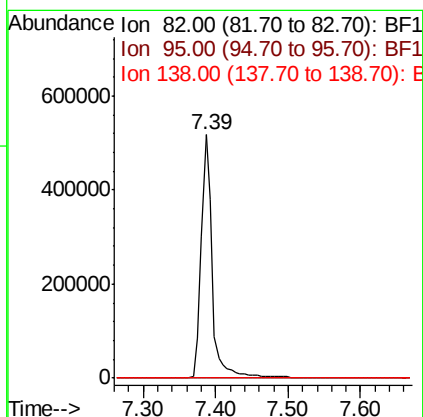
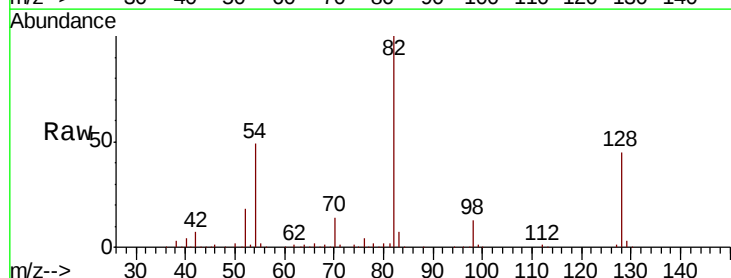
Instrument :
BNA_F
ClientSampleId :

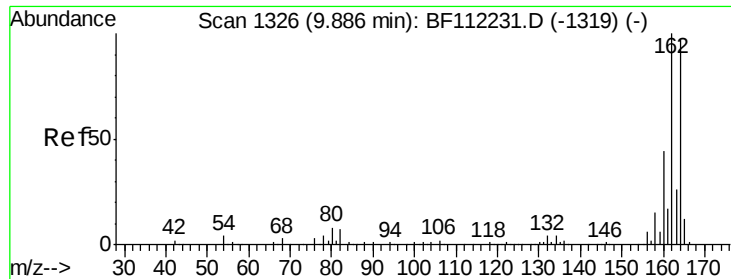
Tot Ion: 82 Resp: 552543
Ion Ratio Lower Upper
82 100
128 44.6 37.8 56.8
54 48.7 39.7 59.5



#25
Isophorone
Concen: 58.293 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112622.D
Acq: 19 Feb 2019 15:46

Tgt Ion: 82 Resp: 552539
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.03 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

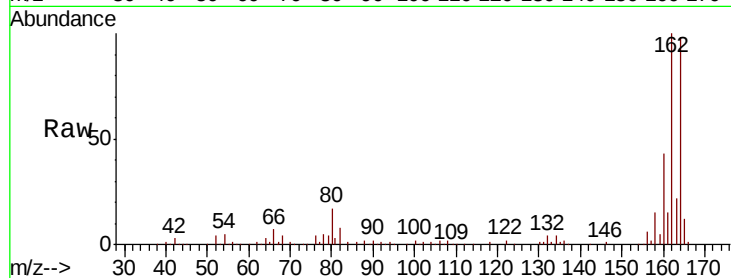
Tot Ion:164 Resp: 174061

Ion Ratio Lower Upper

164 100

162 102.6 82.2 123.4

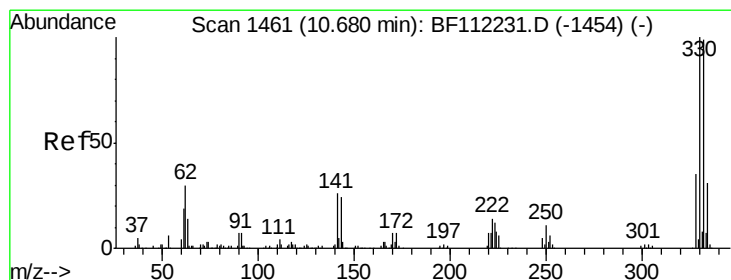
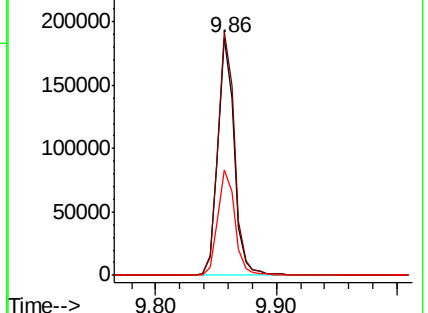
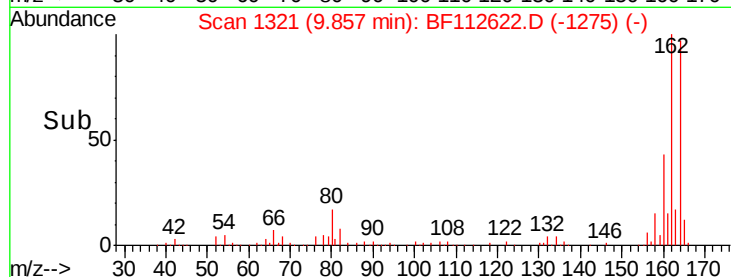
160 44.5 36.2 54.4



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: 136.558 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

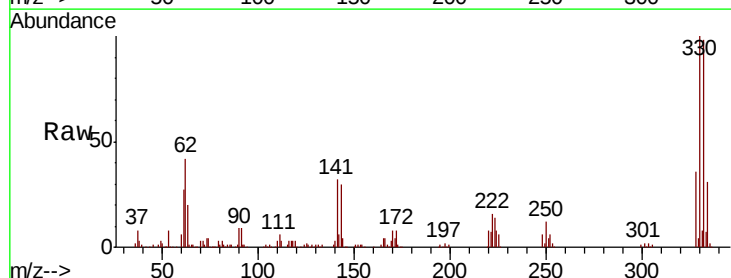
Tgt Ion:330 Resp: 276670

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

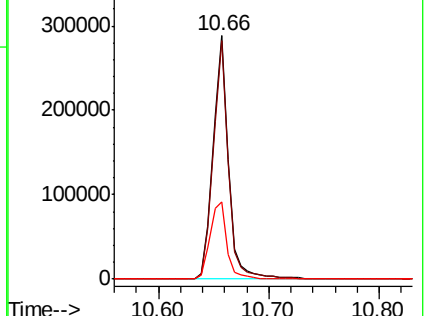
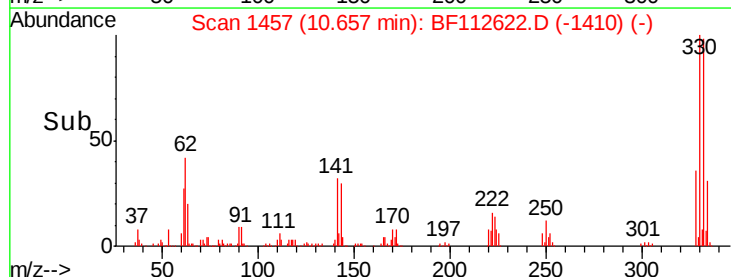
141 34.5 24.3 36.5



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



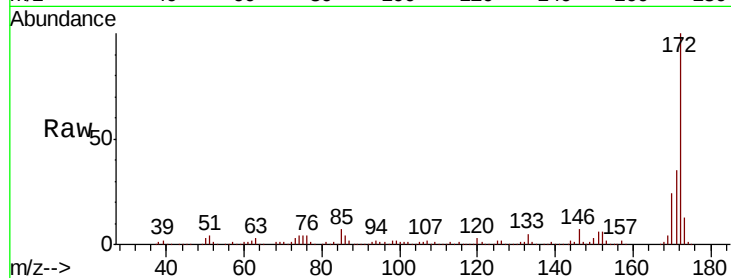


#45
 2-Fluorobiphenyl
 Concen: 82.010 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.03 min
 Lab File: BF112622.D
 Acq: 19 Feb 2019 15:46

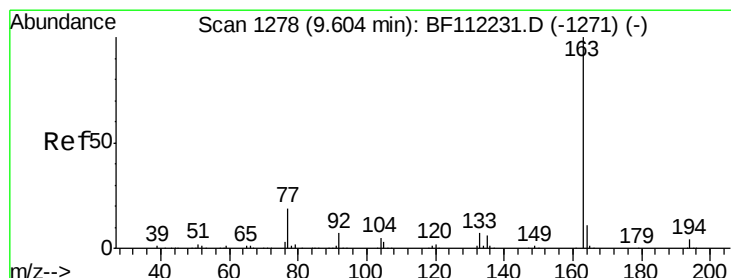
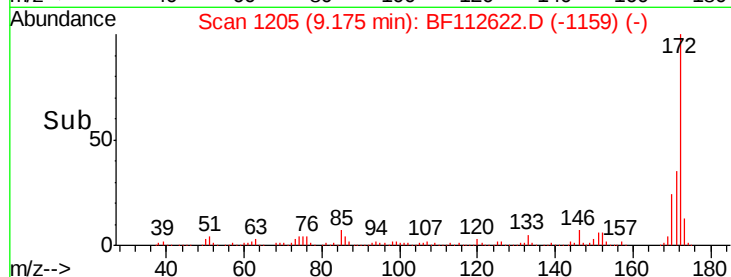
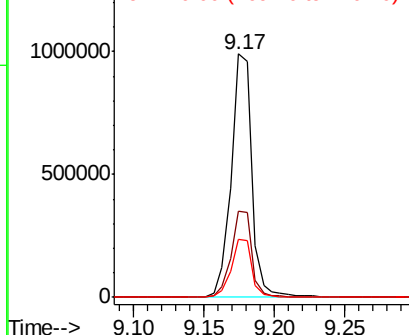
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1009289

Ion	Ratio	Lower	Upper
172	100		
171	35.4	30.5	45.7
170	23.6	20.2	30.4



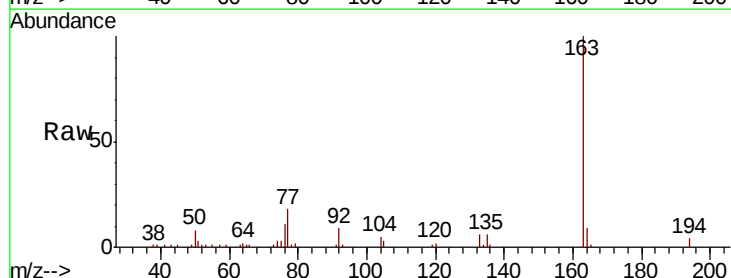
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



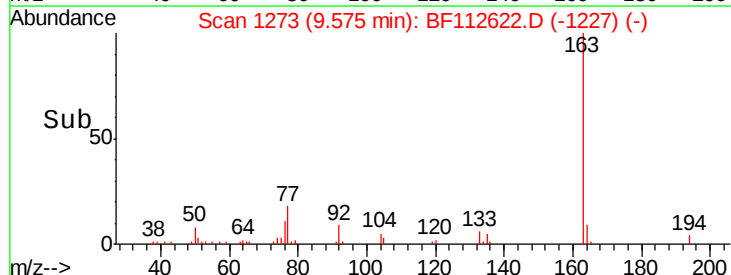
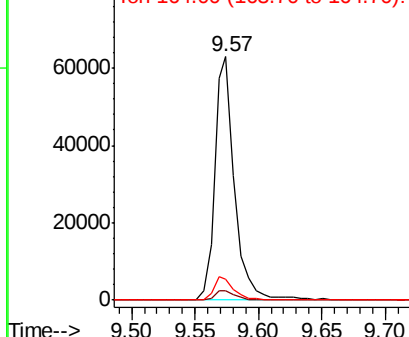
#50
 Dimethylphthalate
 Concen: 5.062 ng
 RT: 9.57 min Scan# 1273
 Delta R.T. -0.03 min
 Lab File: BF112622.D
 Acq: 19 Feb 2019 15:46

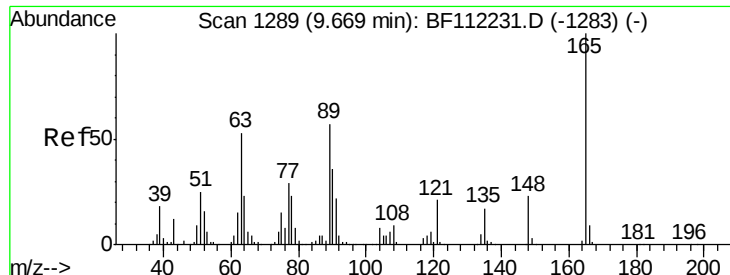
Tgt Ion:163 Resp: 68456

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	8.6	8.5	12.7



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: 7.255 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

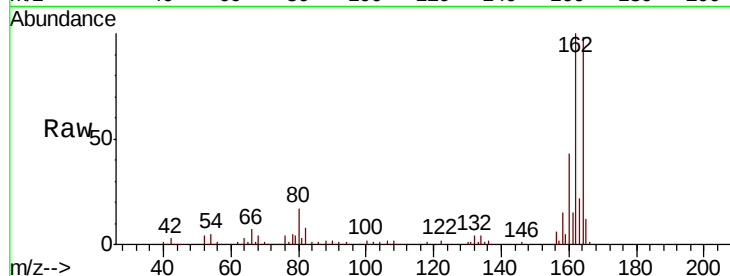
Tot Ion:165 Resp: 21975

Ion Ratio Lower Upper

165 100

63 1.9 33.8 50.8#

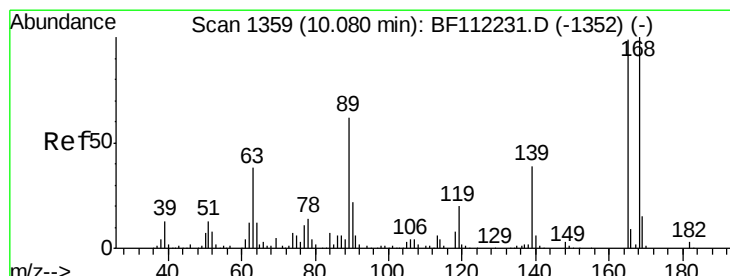
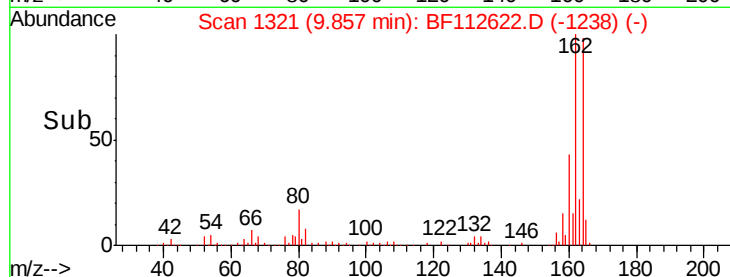
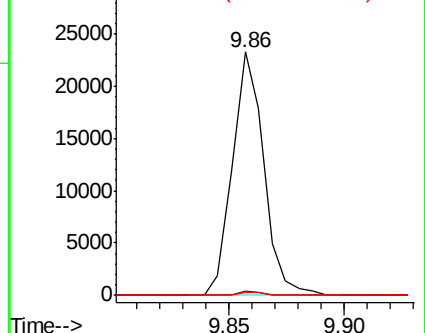
89 1.4 36.9 55.3#



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: 5.699 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

Tgt Ion:165 Resp: 21975

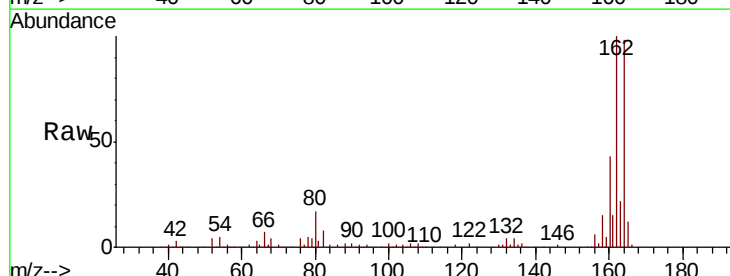
Ion Ratio Lower Upper

165 100

63 1.9 27.9 41.9#

89 1.4 47.9 71.9#

182 0.0 2.2 3.4#

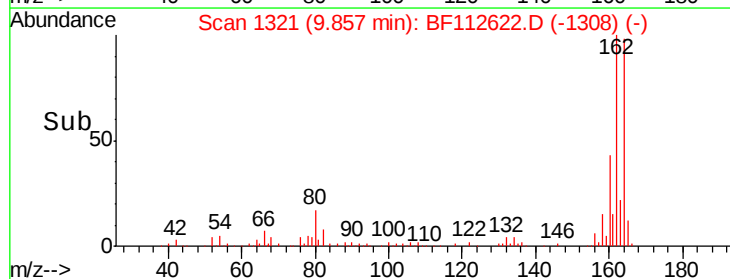
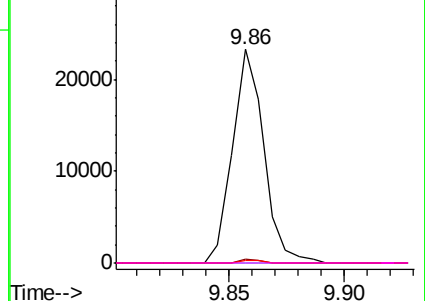


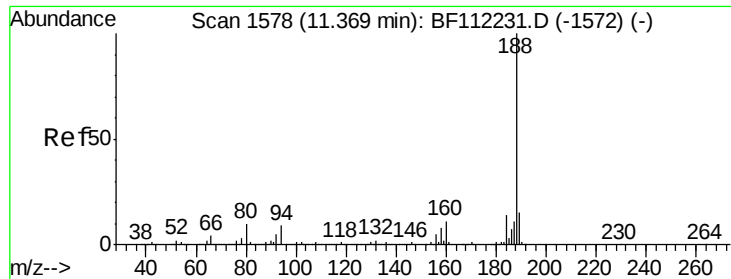
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

Instrument :

BNA_F

ClientSampleId :

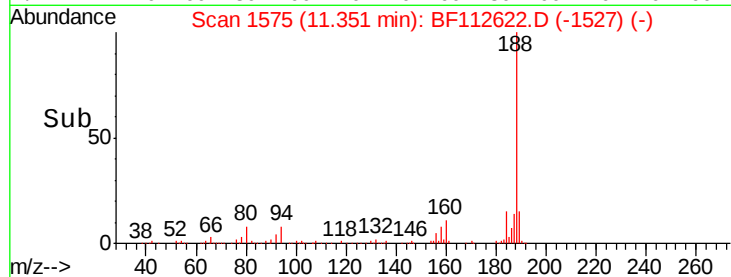
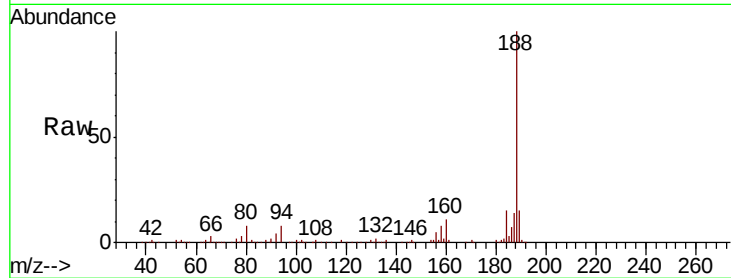
Tot Ion:188 Resp: 331878

Ion Ratio Lower Upper

188 100

94 7.7 8.2 12.2#

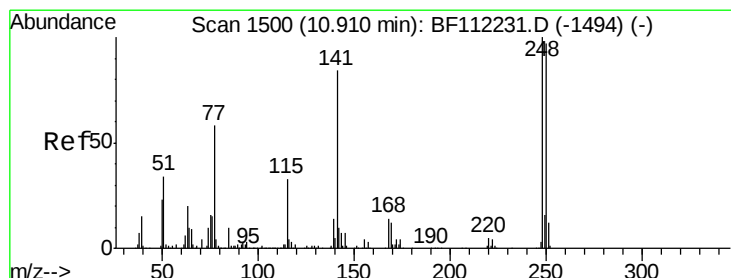
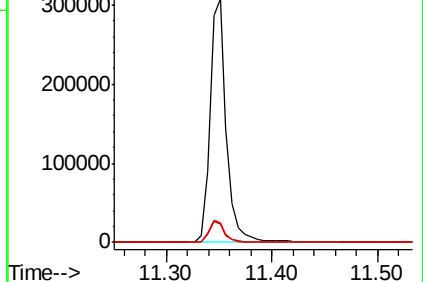
80 8.0 8.9 13.3#



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: 4.476 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

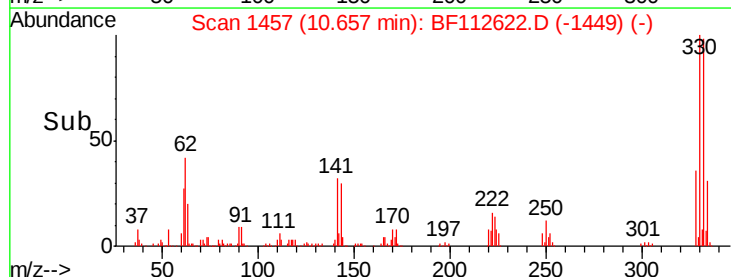
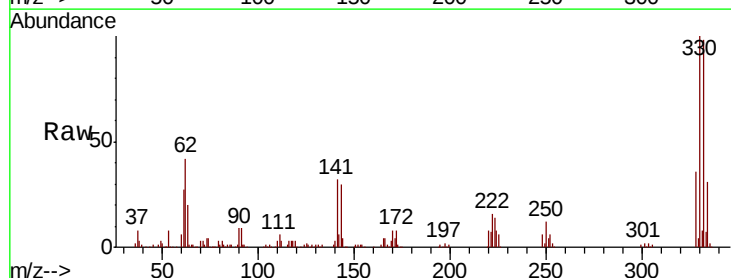
Tgt Ion:248 Resp: 17471

Ion Ratio Lower Upper

248 100

250 191.6 79.7 119.5#

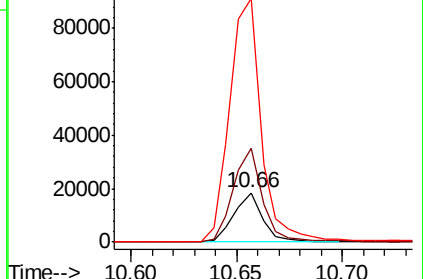
141 495.3 60.3 90.5#

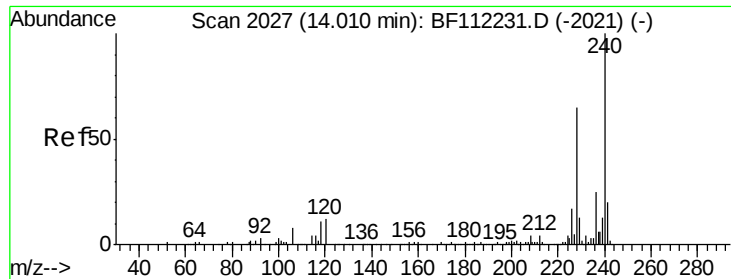


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

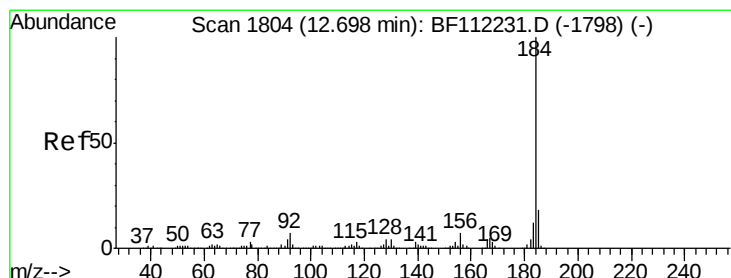
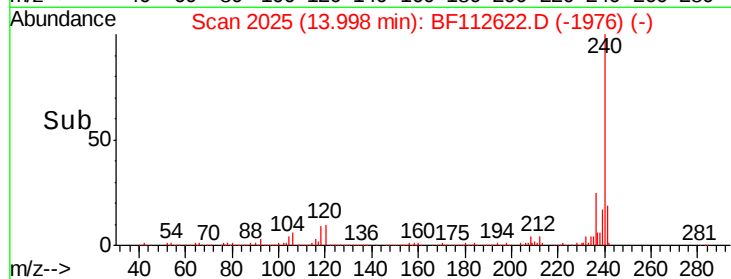
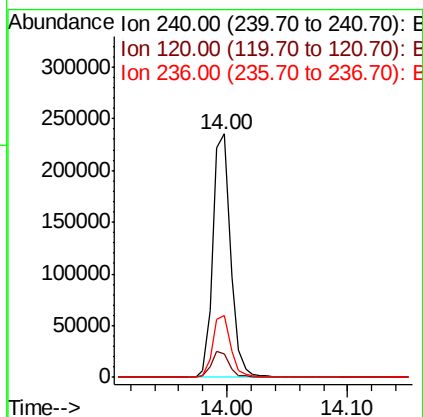
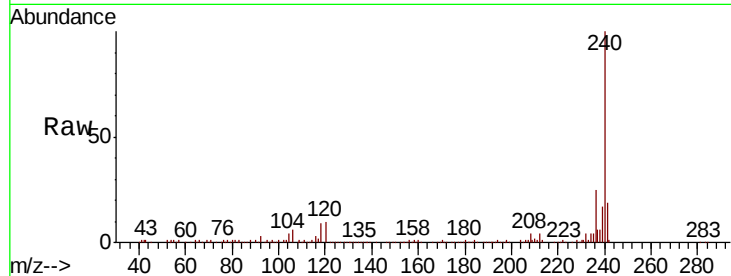




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF112622.D
 Acq: 19 Feb 2019 15:46

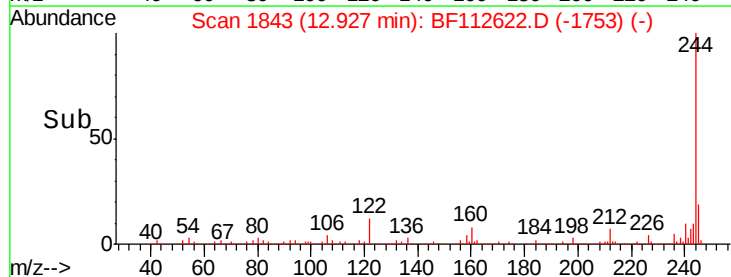
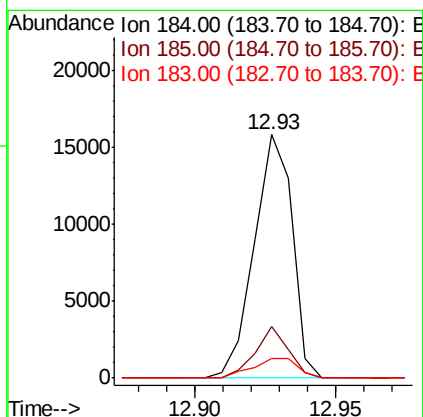
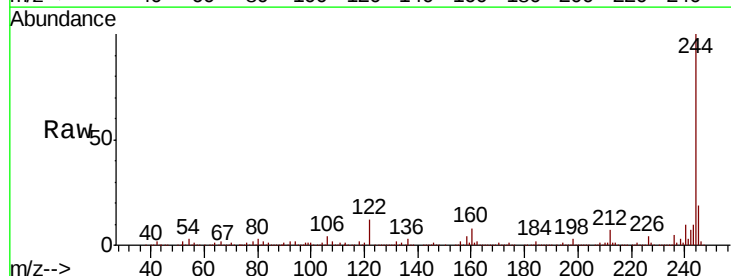
Instrument :
 BNA_F
 ClientSampleId :

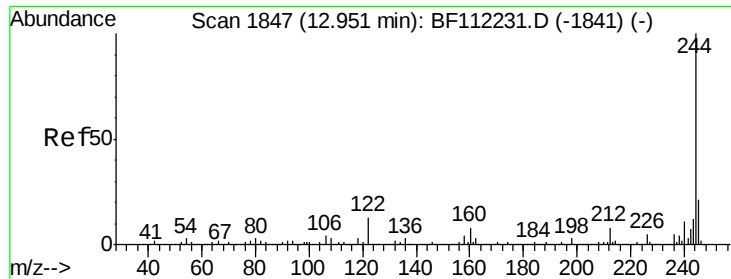
Tot Ion:240 Resp: 236556
 Ion Ratio Lower Upper
 240 100
 120 9.5 9.0 13.6
 236 25.3 20.7 31.1



#77
 Benzidine
 Concen: 2.277 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.23 min
 Lab File: BF112622.D
 Acq: 19 Feb 2019 15:46

Tgt Ion:184 Resp: 14823
 Ion Ratio Lower Upper
 184 100
 185 21.1 13.9 20.9#
 183 8.2 10.0 15.0#





#79

Terphenyl-d14

Concen: 80.264 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

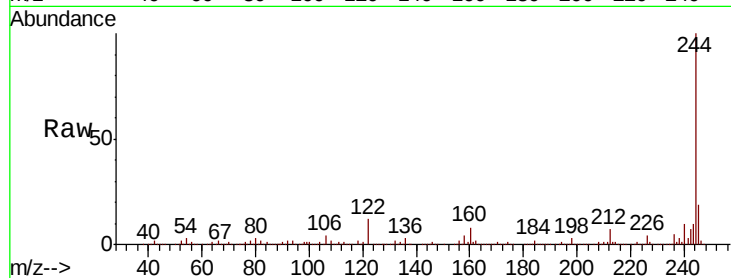
Instrument :

BNA_F

ClientSampled :

Tot Ion:244 Resp: 1008097

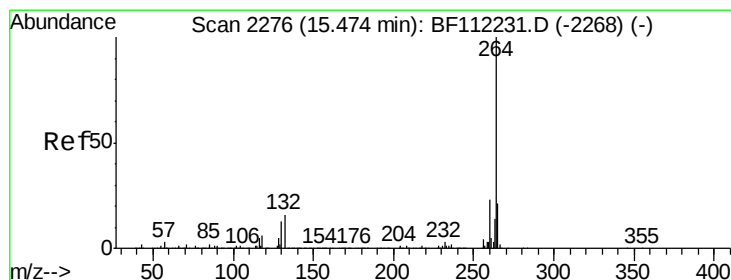
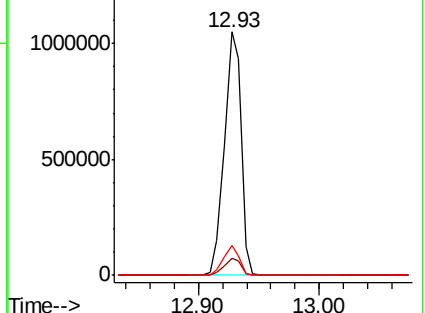
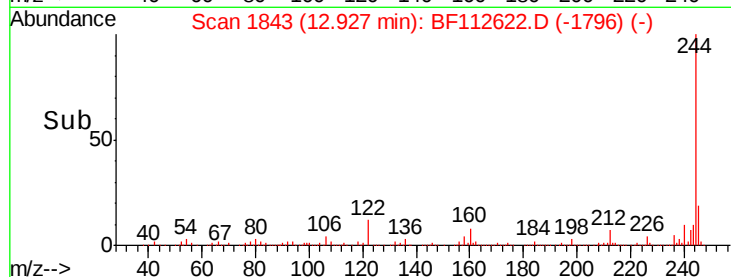
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.0	9.8	14.6



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: 15.47 min Scan# 2275

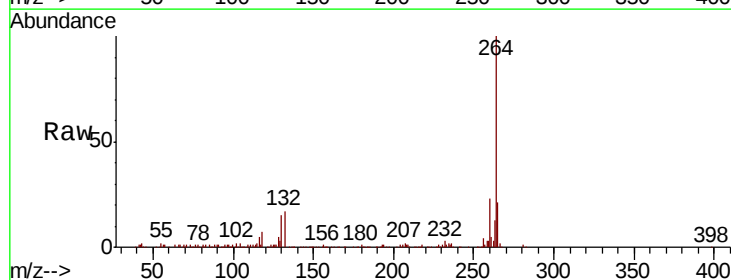
Delta R.T. -0.01 min

Lab File: BF112622.D

Acq: 19 Feb 2019 15:46

Tgt Ion:264 Resp: 211429

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	21.1	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

