

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022119\
 Data File : BF112660.D
 Acq On : 21 Feb 2019 18:40
 Operator : JU/SJ
 Sample : K1544-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20420

Quant Time: Feb 21 21:49:07 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

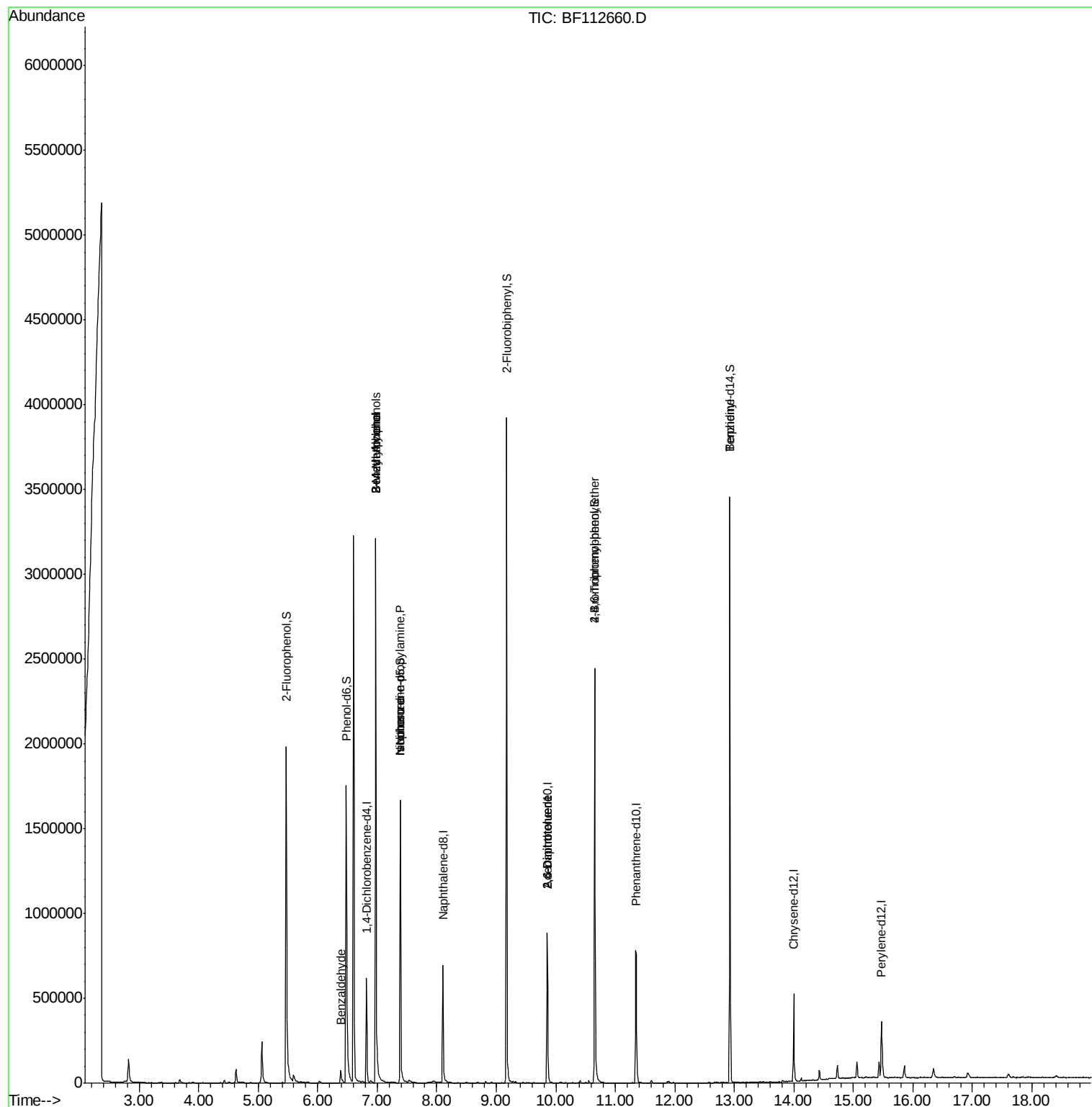
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	95767	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	369606	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	182643	20.00	ng	-0.03
64) Phenanthrene-d10	11.35	188	342730	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	193719	20.00	ng	-0.01
87) Perylene-d12	15.47	264	186521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	703786	156.10	ng	0.00
7) Phenol-d6	6.48	99	774367	123.60	ng	-0.01
23) Nitrobenzene-d5	7.39	82	654251	101.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	327824	154.20	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	1356356	105.03	ng	-0.03
79) Terphenyl-d14	12.93	244	1231379	119.72	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.39	77	24634	7.523	ng	90
15) Benzyl Alcohol	6.97	79	284701	53.908	ng	93
17) 2-Methylphenol	6.97	107	146376	30.444	ng	# 4
19) n-Nitroso-di-n-propylamine	7.39	70	91554	21.193	ng	# 78
20) 3+4-Methylphenols	6.97	107	146375	23.807	ng	# 33
25) Isophorone	7.39	82	654247	65.015	ng	# 63
51) 2,6-Dinitrotoluene	9.86	165	22912	7.209	ng	# 34
57) 2,4-Dinitrotoluene	9.86	165	22912	5.663	ng	# 32
67) 4-Bromophenyl-phenylether	10.66	248	19906	4.938	ng	# 1
77) Benzidine	12.93	184	18497	3.469	ng	# 94

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

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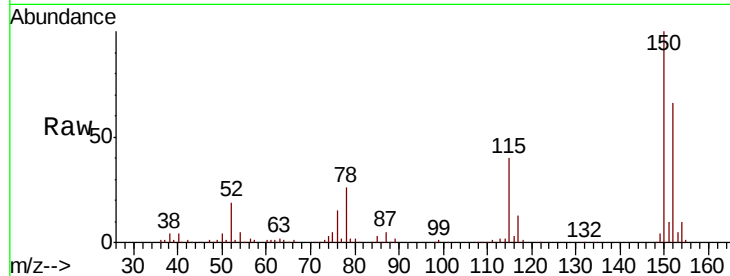


#1

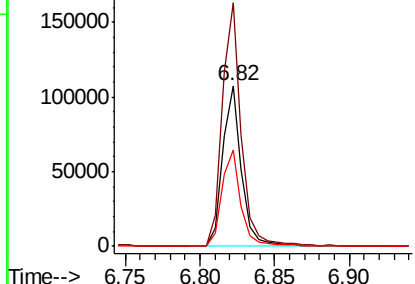
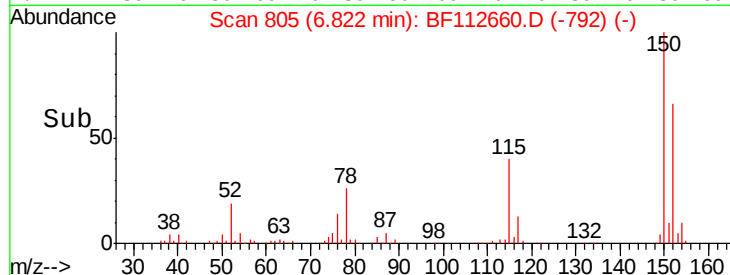
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

Instrument :
BNA_F
ClientSampleId :
CHRT-20420

Tgt Ion:152 Resp: 95767
Ion Ratio Lower Upper
152 100
150 151.6 127.4 191.0
115 59.9 45.5 68.3



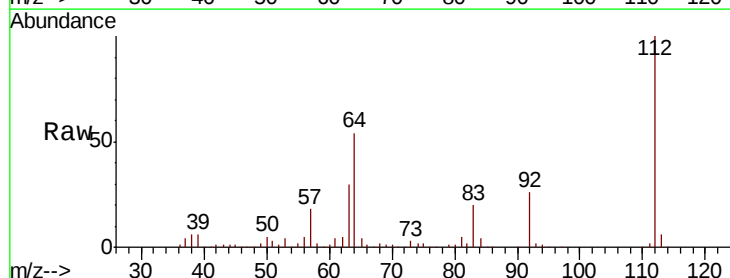
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



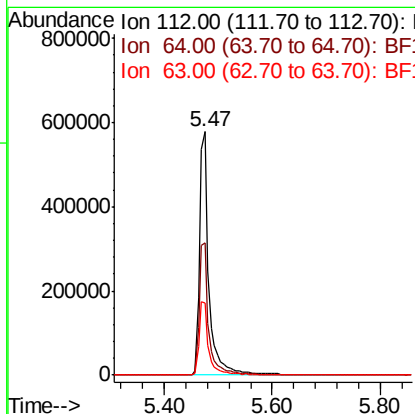
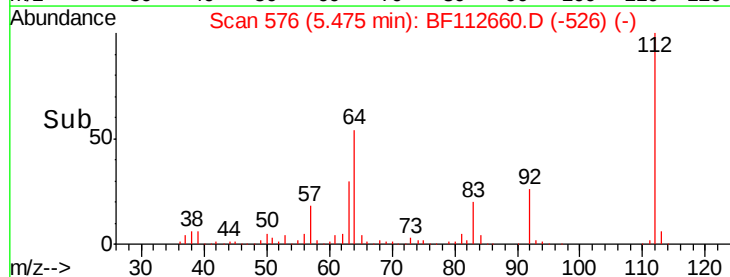
#5

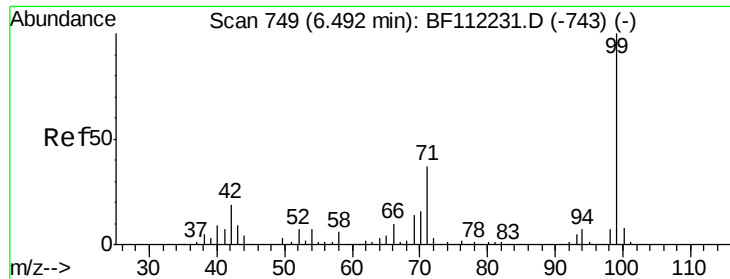
2-Fluorophenol
Concen: 156.096 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

Tgt Ion:112 Resp: 703786
Ion Ratio Lower Upper
112 100
64 54.3 45.7 68.5
63 29.9 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: 123.602 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

Instrument :

BNA_F

ClientSampleId :

CHRT-20420

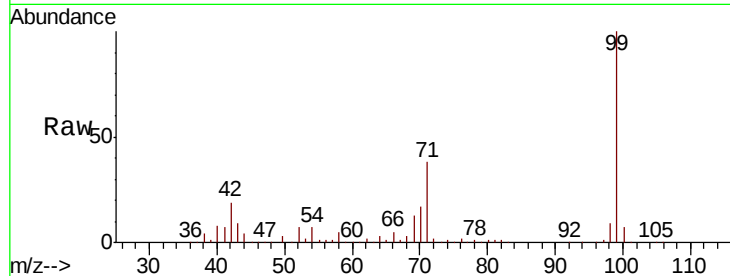
Tgt Ion: 99 Resp: 774367

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

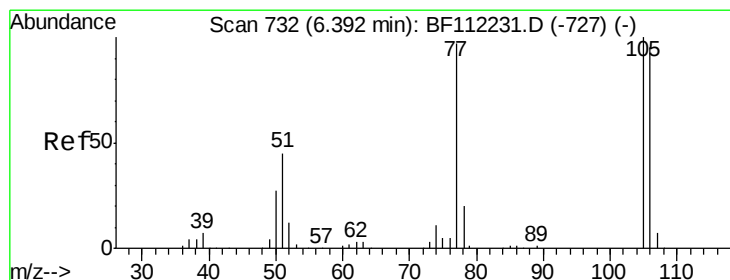
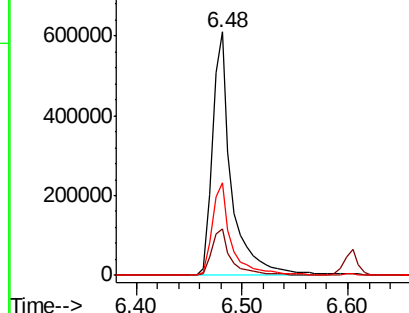
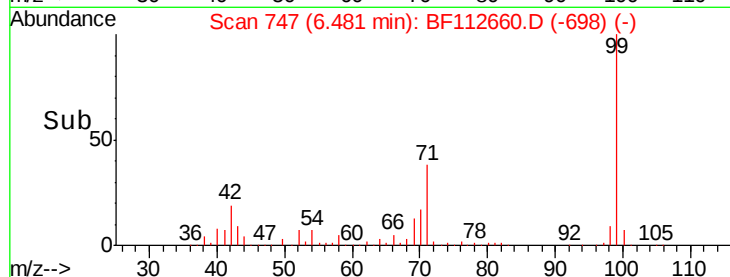
71 37.8 26.9 40.3



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



#9

Benzaldehyde

Concen: 7.523 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

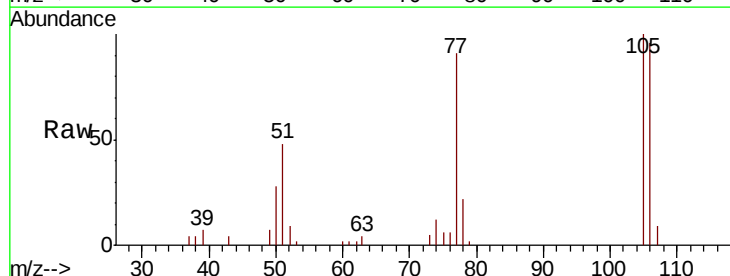
Tgt Ion: 77 Resp: 24634

Ion Ratio Lower Upper

77 100

105 110.2 80.8 120.8

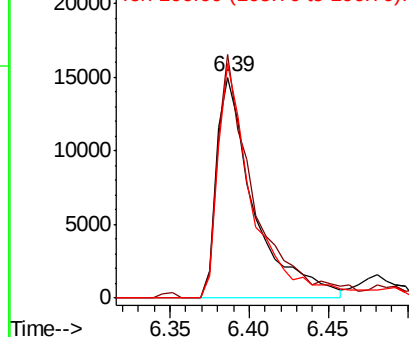
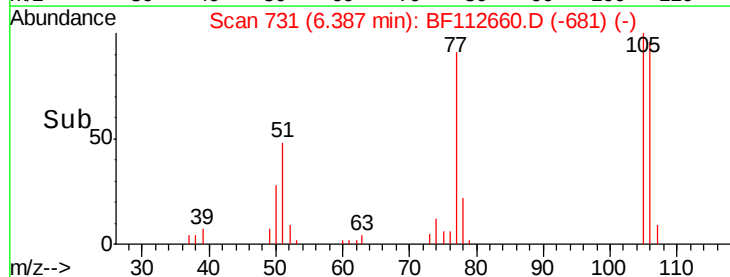
106 106.0 75.7 115.7

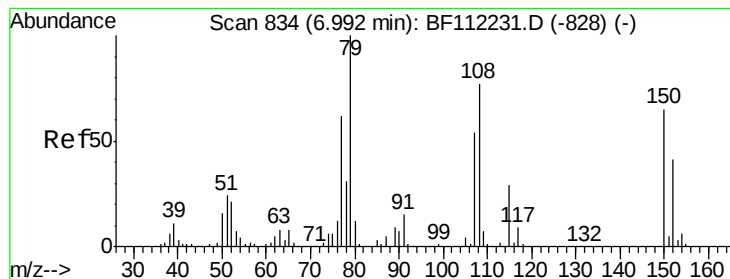


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 53.908 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.02 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

Instrument :

BNA_F

ClientSampleId :

CHRT-20420

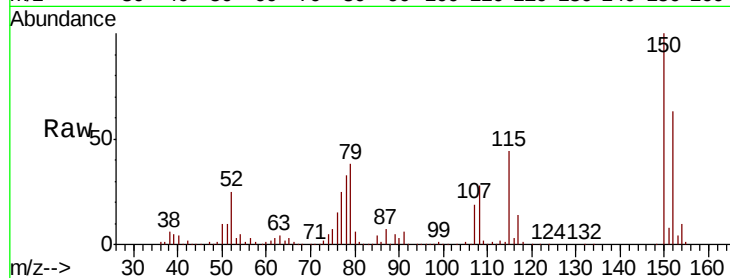
Tgt Ion: 79 Resp: 284701

Ion Ratio Lower Upper

79 100

108 71.7 64.2 96.2

77 66.4 50.3 75.5

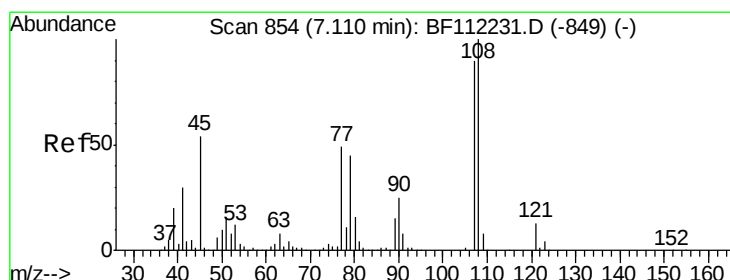
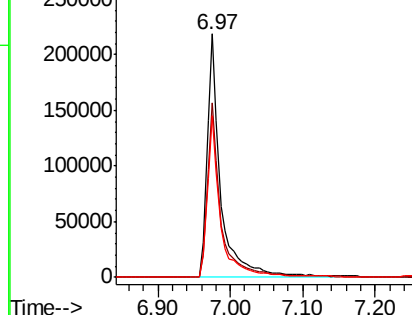
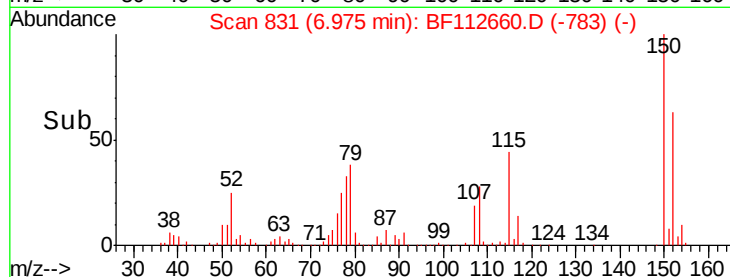


Abundance

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



#17

2-Methylphenol

Concen: 30.444 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.14 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

Tgt Ion: 107 Resp: 146376

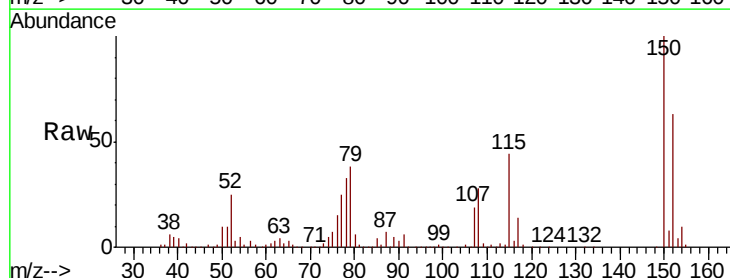
Ion Ratio Lower Upper

107 100

108 143.9 91.3 136.9#

77 133.3 39.0 58.6#

79 200.8 37.0 55.4#



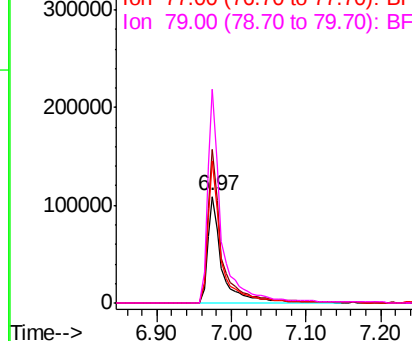
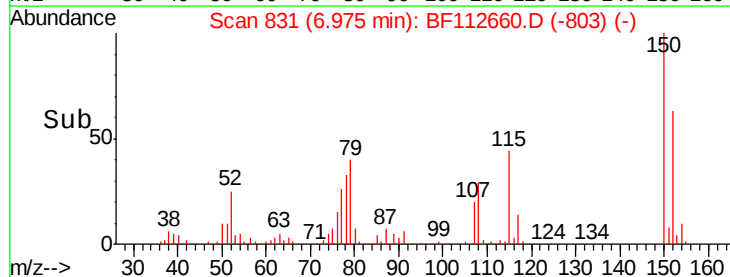
Abundance

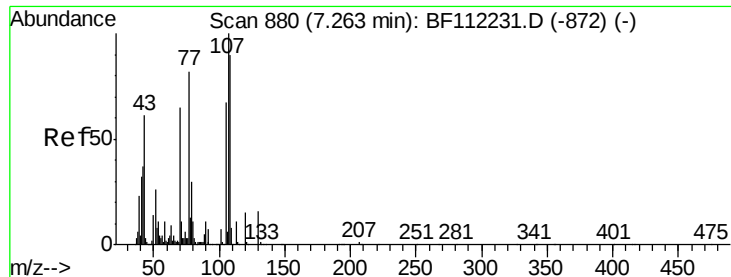
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

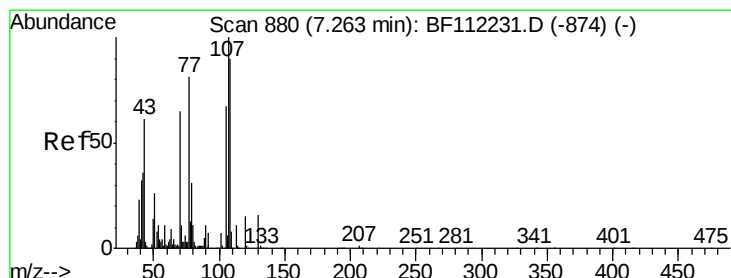
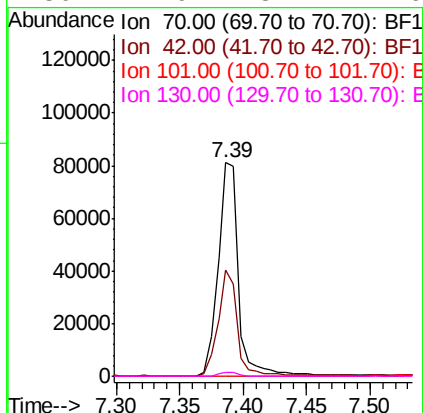
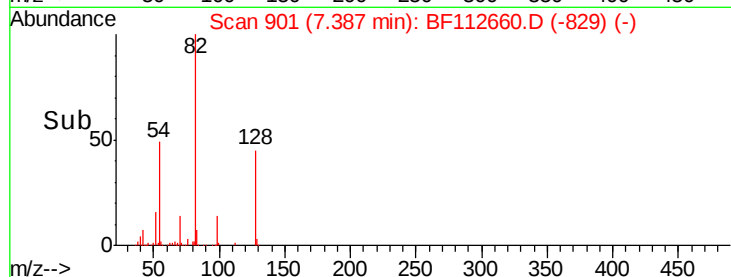
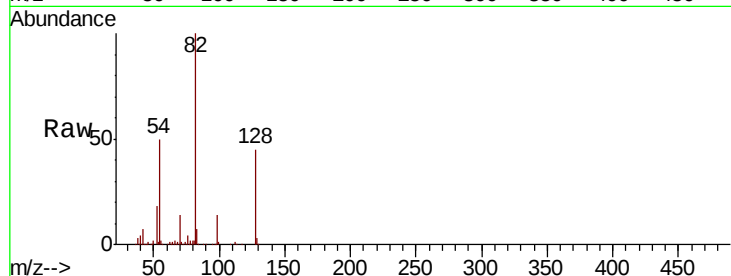




#19
n-Nitroso-di-n-propylamine
Concen: 21.193 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

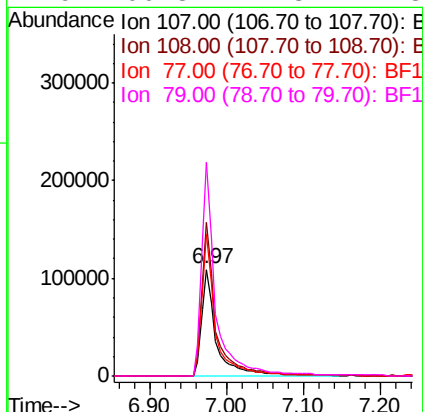
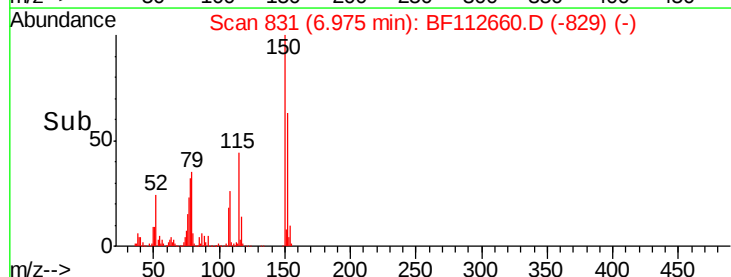
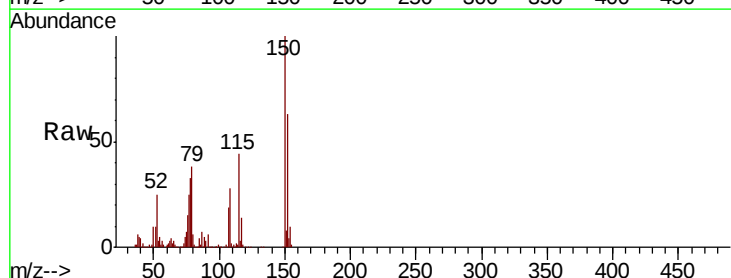
Instrument :
BNA_F
ClientSampleId :
CHRT-20420

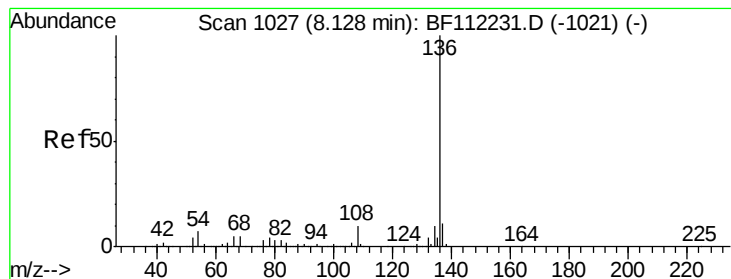
Tgt Ion	Ratio	Lower	Upper
70	100		
42	49.5	47.6	71.4
101	0.0	7.9	11.9#
130	1.9	18.4	27.6#



#20
3+4-Methylphenols
Concen: 23.807 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.29 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

Tgt Ion	Ratio	Lower	Upper
107	100		
108	143.9	68.2	108.2#
77	133.3	100.7	140.7
79	200.8	7.3	47.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

Instrument :

BNA_F

ClientSampleId :

CHRT-20420

Tgt Ion:136 Resp: 369606

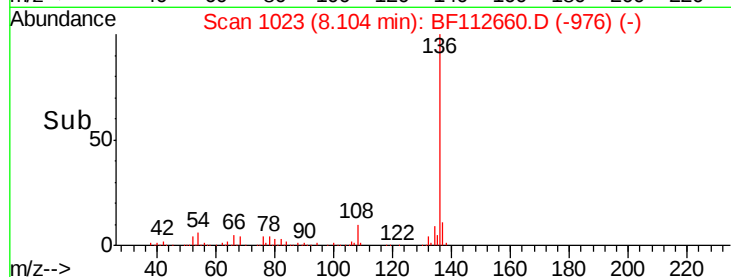
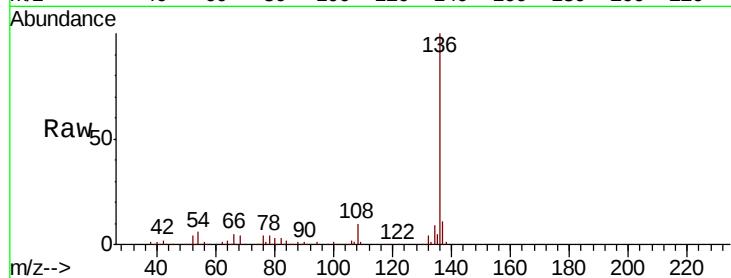
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.1 5.9 8.9

68 4.1 5.1 7.7#

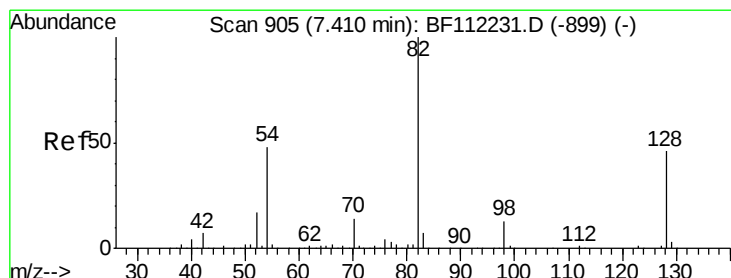
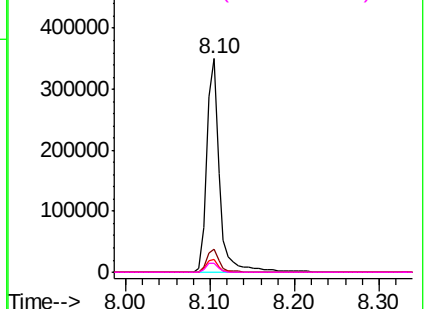


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.995 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

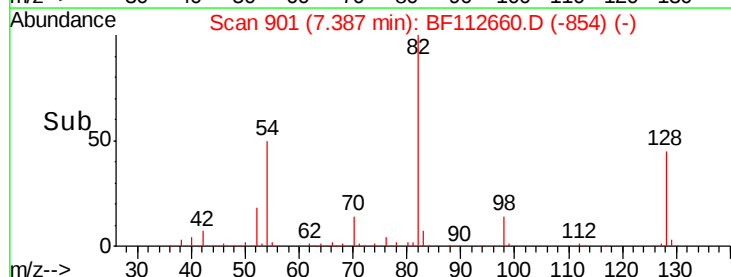
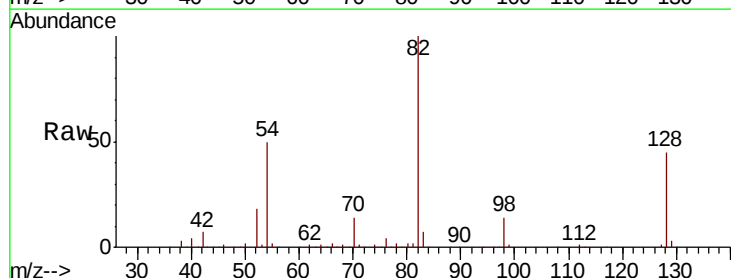
Tgt Ion: 82 Resp: 654251

Ion Ratio Lower Upper

82 100

128 44.6 37.8 56.8

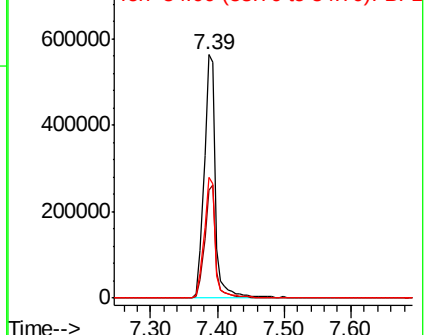
54 49.6 39.7 59.5

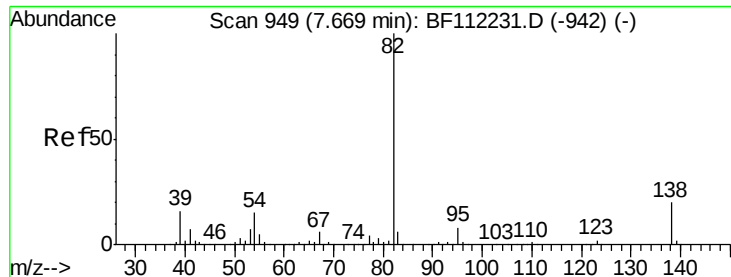


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

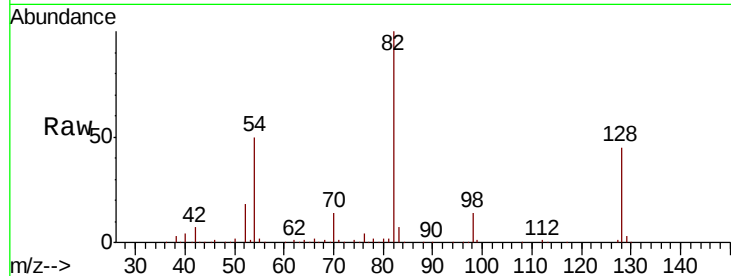




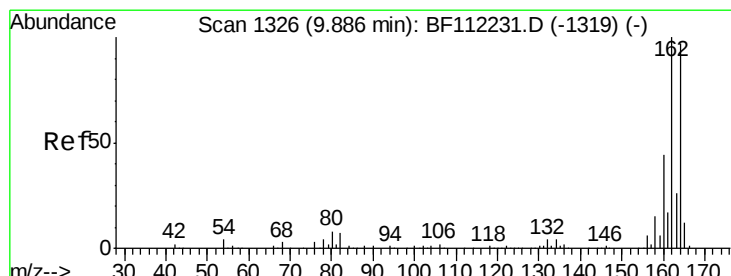
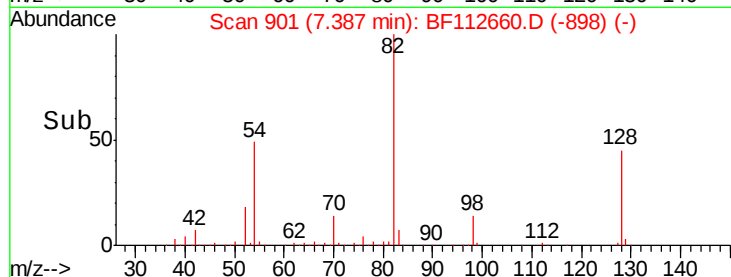
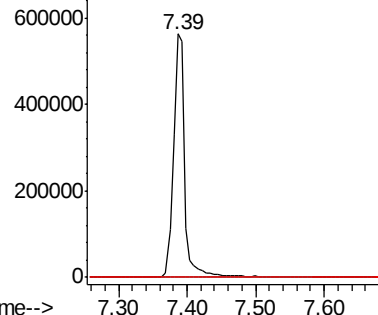
#25
Isophorone
Concen: 65.015 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.28 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

Instrument :
BNA_F
ClientSampleId :
CHRT-20420

Tgt Ion: 82 Resp: 654247
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 15.4 23.0#

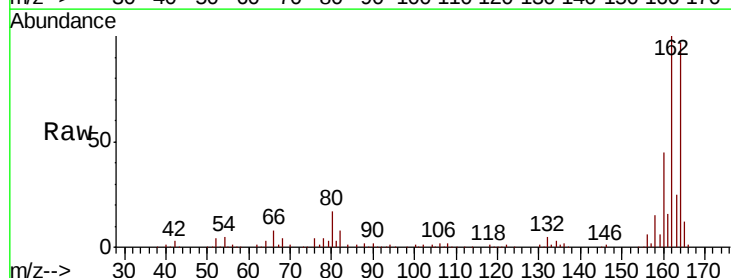


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

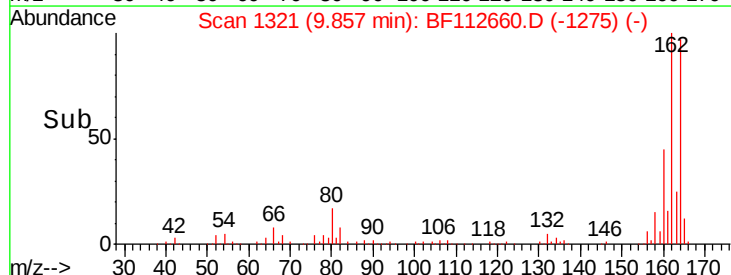
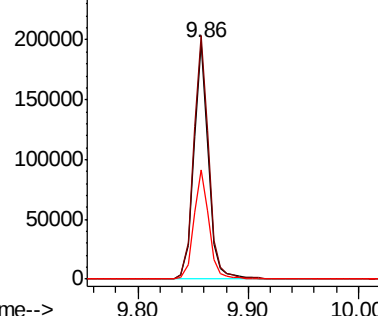


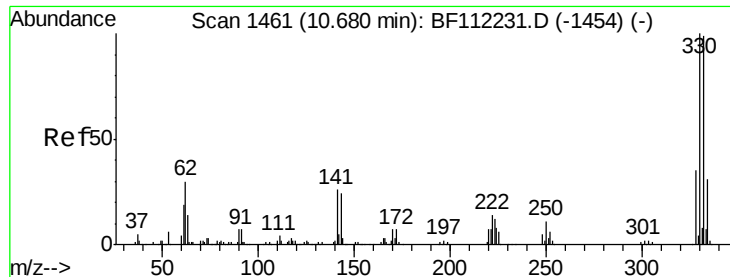
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.03 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

Tgt Ion: 164 Resp: 182643
Ion Ratio Lower Upper
164 100
162 103.1 82.2 123.4
160 46.0 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: 154.204 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

Instrument :

BNA_F

ClientSampleId :

CHRT-20420

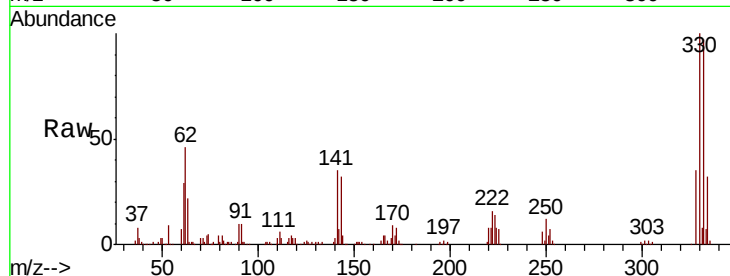
Tgt Ion:330 Resp: 327824

Ion Ratio Lower Upper

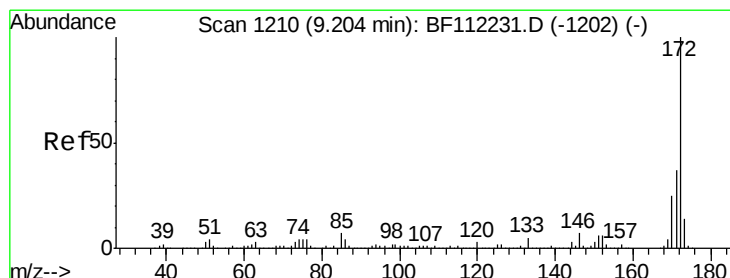
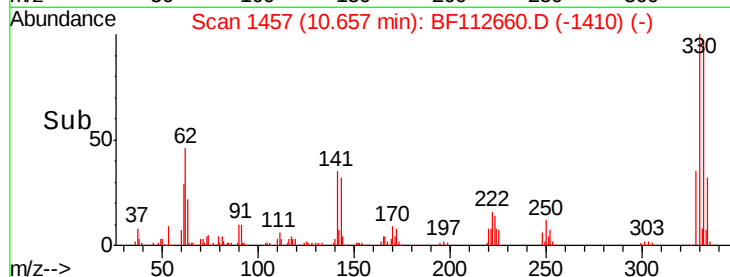
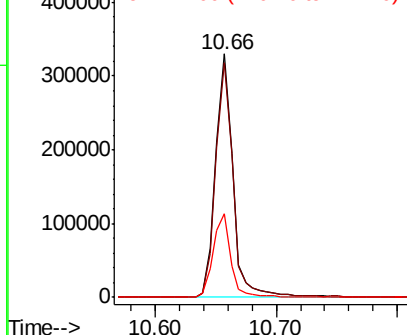
330 100

332 96.3 76.6 114.8

141 35.4 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: 105.032 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.03 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

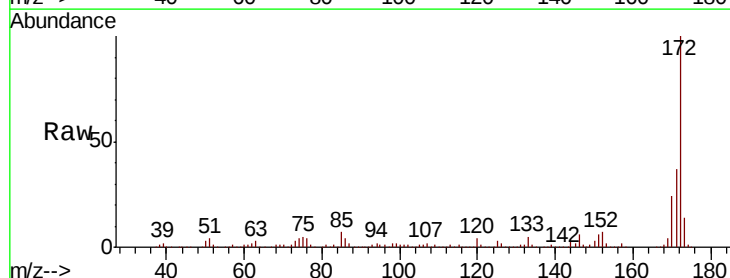
Tgt Ion:172 Resp: 1356356

Ion Ratio Lower Upper

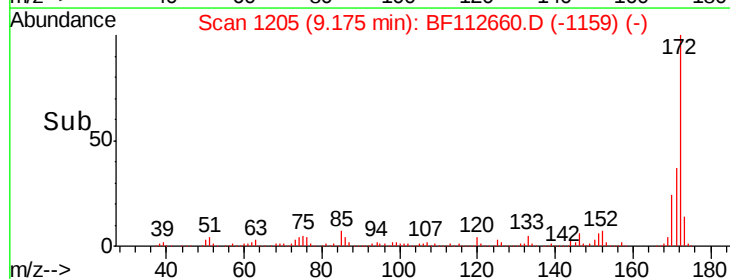
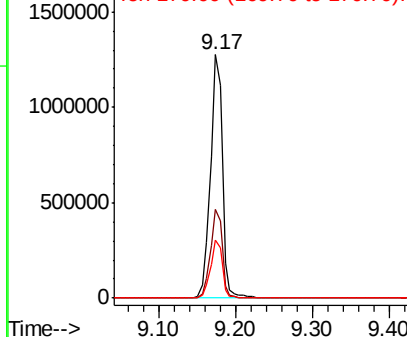
172 100

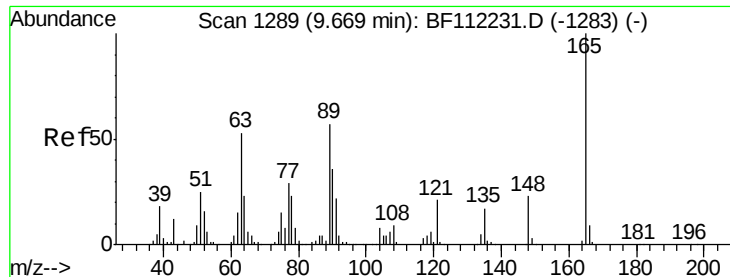
171 36.5 30.5 45.7

170 24.0 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

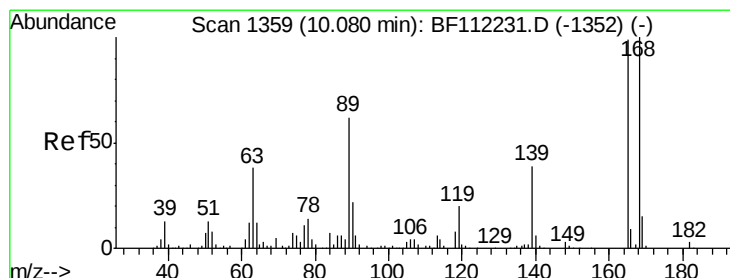
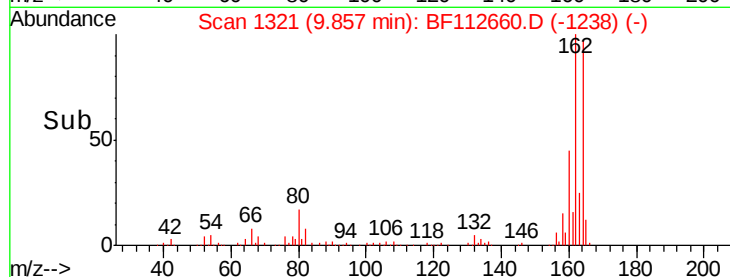
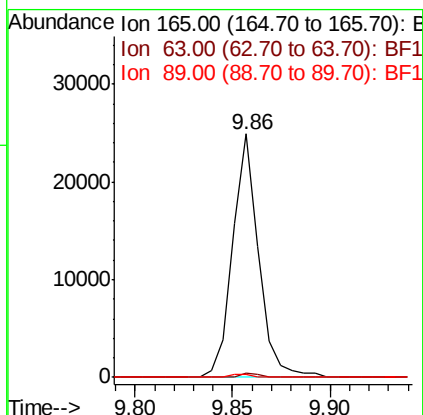
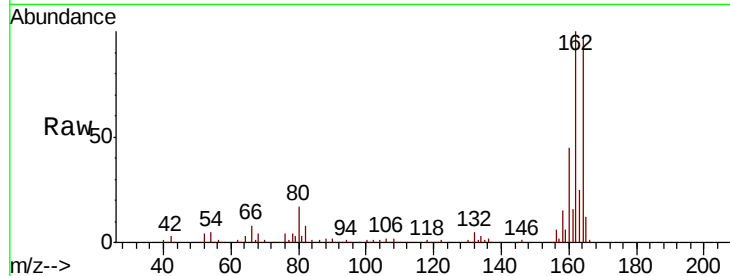




#51
 2,6-Dinitrotoluene
 Concen: 7.209 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.19 min
 Lab File: BF112660.D
 Acq: 21 Feb 2019 18:40

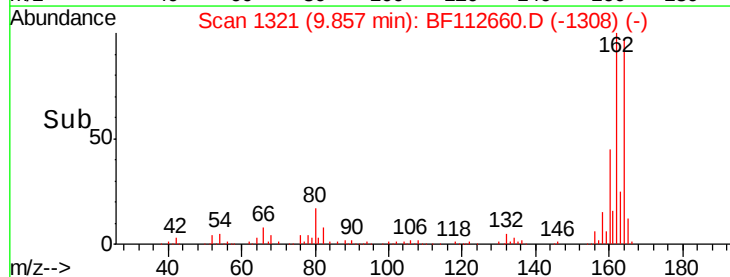
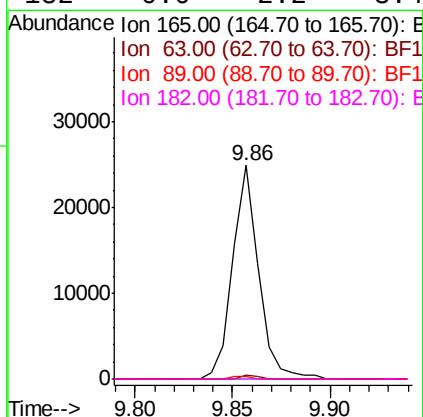
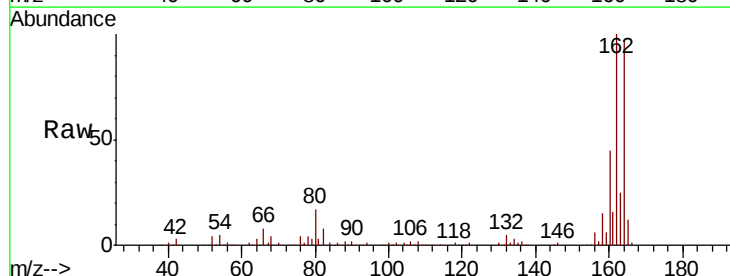
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20420

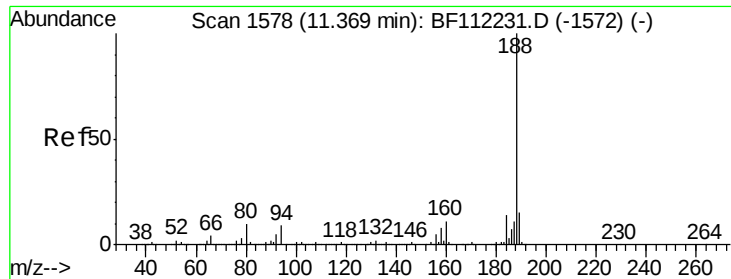
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.8	50.8#
89	1.3	36.9	55.3#



#57
 2,4-Dinitrotoluene
 Concen: 5.663 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.22 min
 Lab File: BF112660.D
 Acq: 21 Feb 2019 18:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	27.9	41.9#
89	1.3	47.9	71.9#
182	0.0	2.2	3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

Instrument :

BNA_F

ClientSampleId :

CHRT-20420

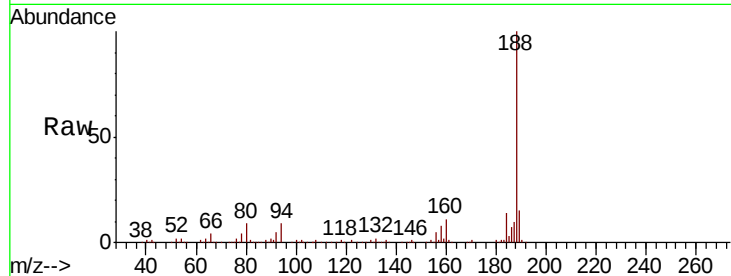
Tgt Ion:188 Resp: 342730

Ion Ratio Lower Upper

188 100

94 8.9 8.2 12.2

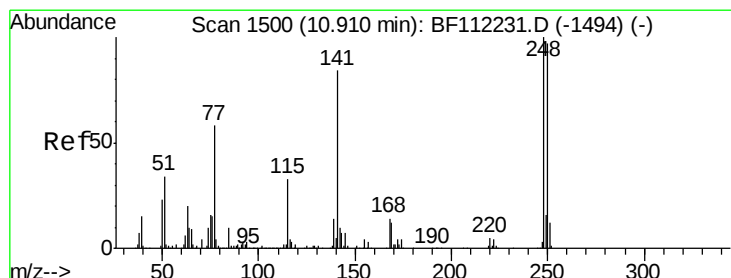
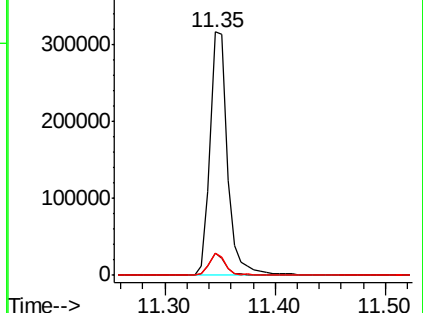
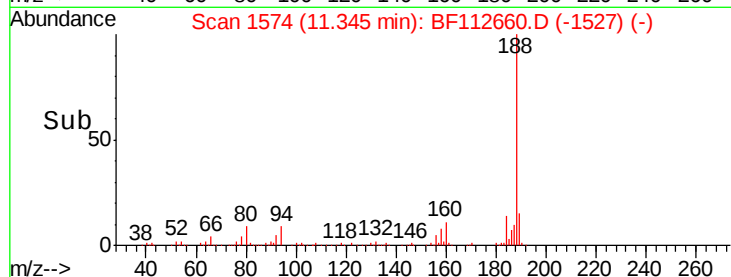
80 9.3 8.9 13.3



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: 4.938 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.25 min

Lab File: BF112660.D

Acq: 21 Feb 2019 18:40

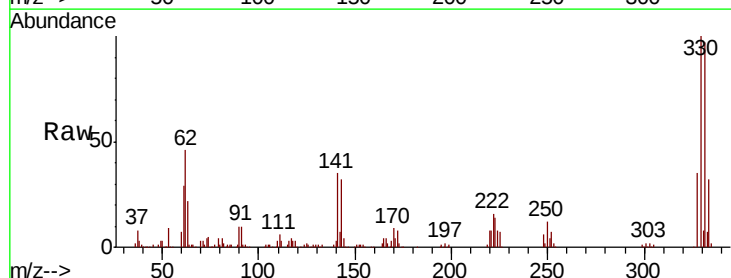
Tgt Ion:248 Resp: 19906

Ion Ratio Lower Upper

248 100

250 198.7 79.7 119.5#

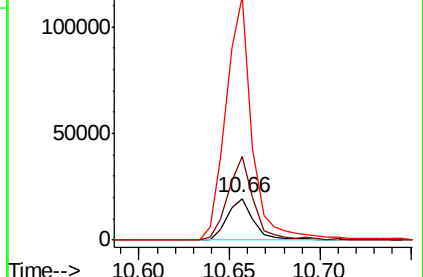
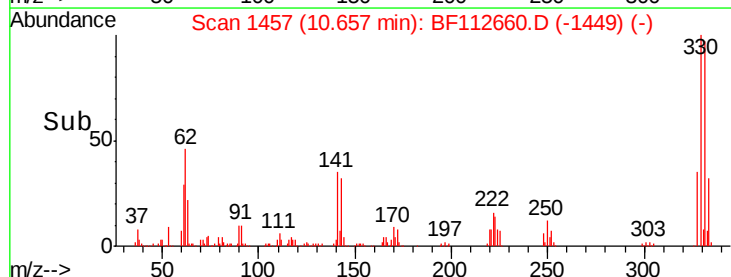
141 580.2 60.3 90.5#

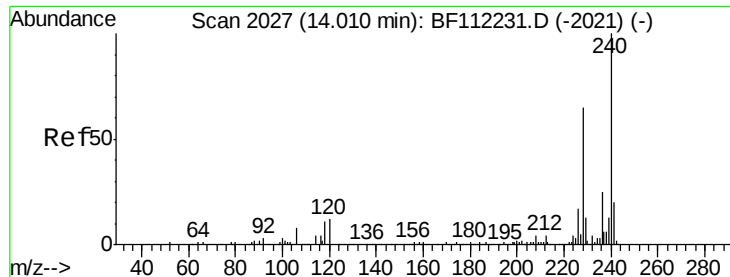


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

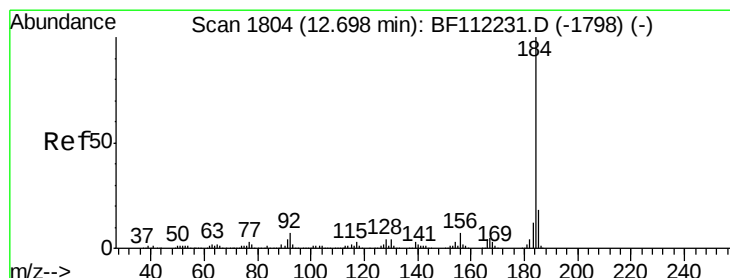
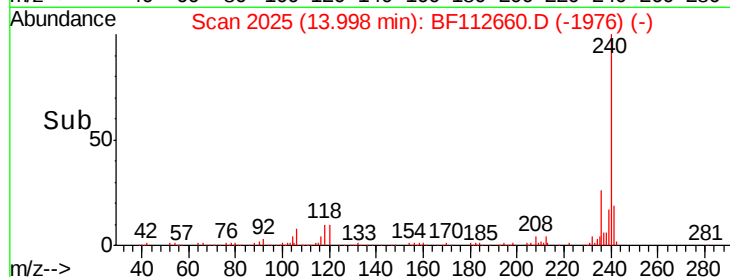
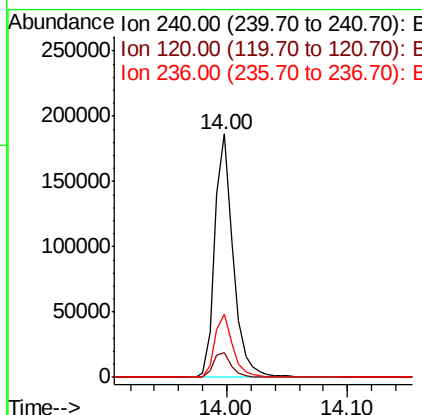
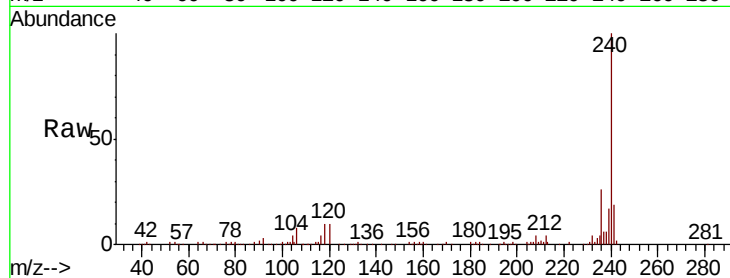




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

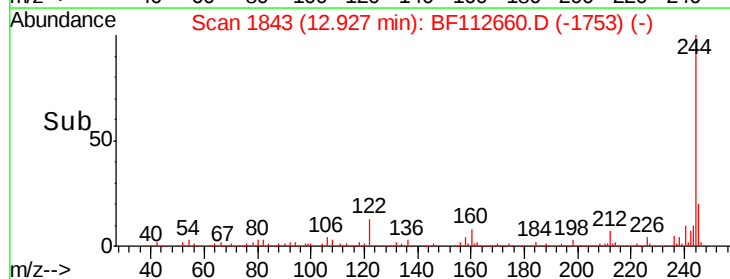
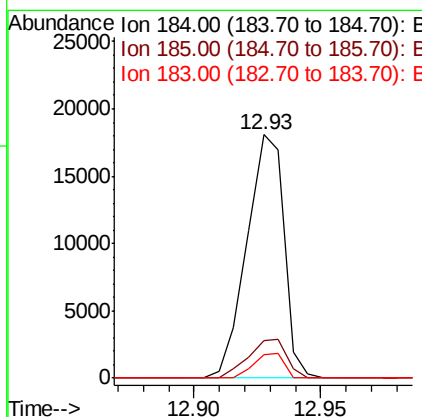
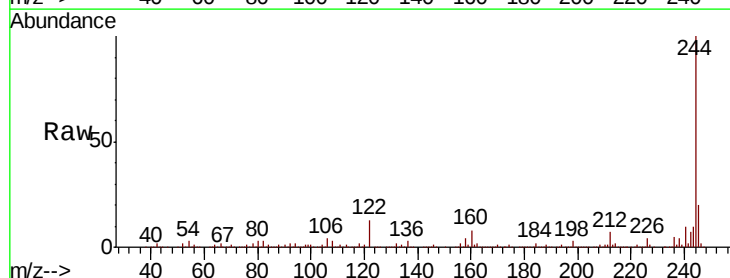
Instrument :
BNA_F
ClientSampleId :
CHRT-20420

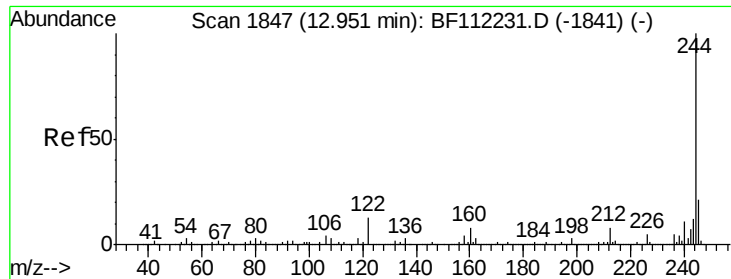
Tgt Ion:240 Resp: 193719
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.6
236 26.1 20.7 31.1



#77
Benzidine
Concen: 3.469 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.23 min
Lab File: BF112660.D
Acq: 21 Feb 2019 18:40

Tgt Ion:184 Resp: 18497
Ion Ratio Lower Upper
184 100
185 15.7 13.9 20.9
183 9.5 10.0 15.0#

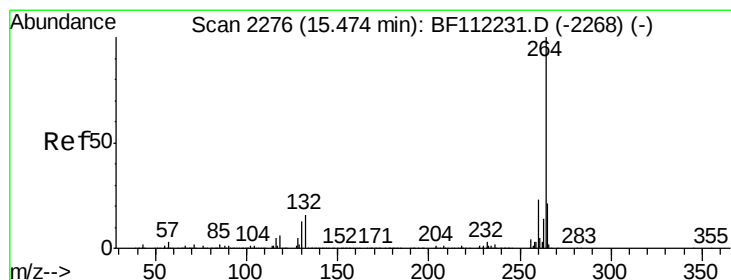
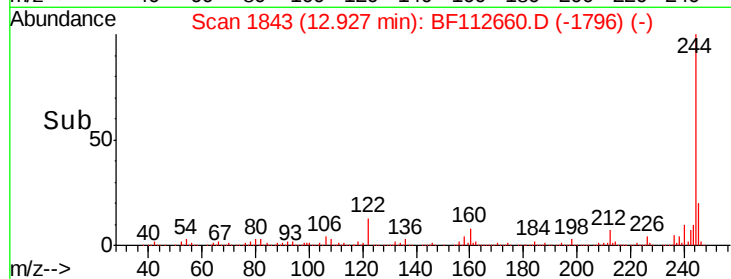
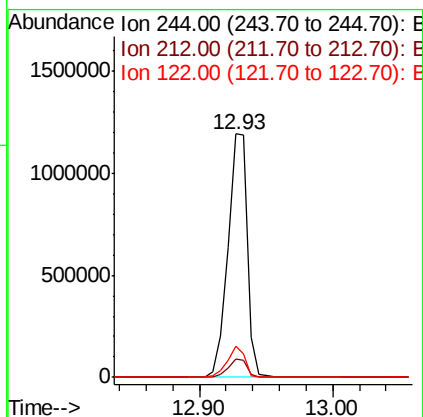
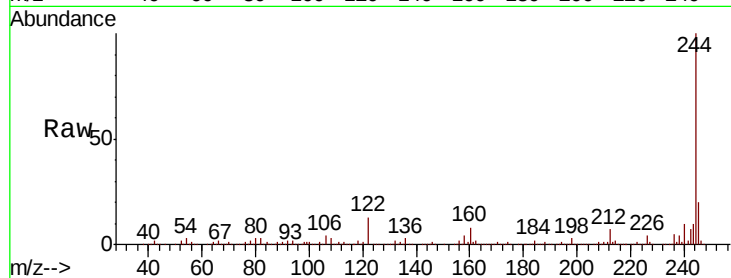




#79
 Terphenyl-d14
 Concen: 119.722 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.02 min
 Lab File: BF112660.D
 Acq: 21 Feb 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-20420

Tgt Ion:244 Resp: 1231379
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 12.6 9.8 14.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.00 min
 Lab File: BF112660.D
 Acq: 21 Feb 2019 18:40

Tgt Ion:264 Resp: 186521
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.2 27.2
 265 21.4 17.0 25.4

