

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116113.D
 Acq On : 9 Aug 2019 15:12
 Operator : HP/JU
 Sample : K4148-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 02:13:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

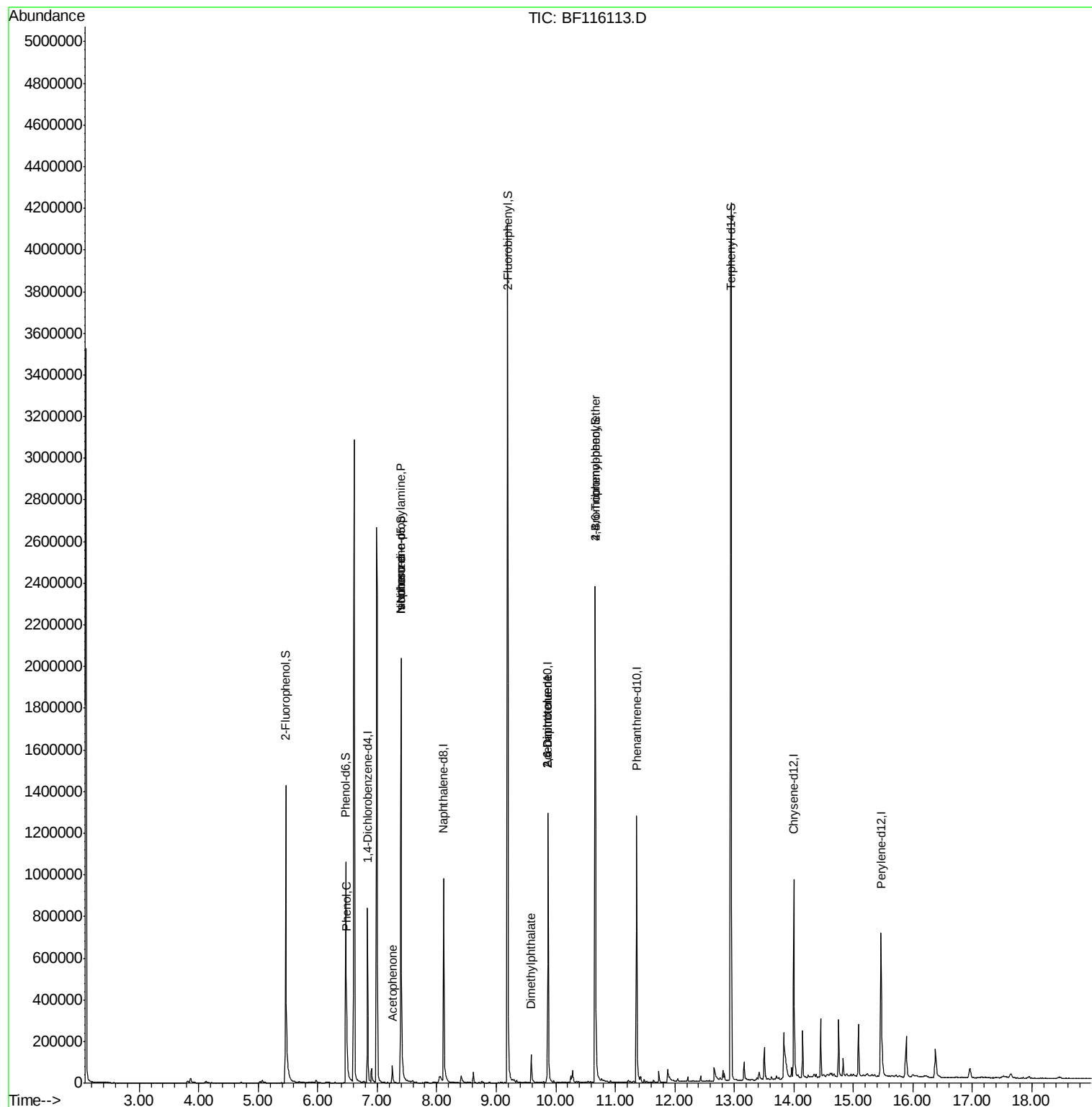
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	130496	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	510665	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	274894	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	500113	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	358234	20.00	ng	-0.01
87) Perylene-d12	15.47	264	300162	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	501910	64.39	ng	0.00
7) Phenol-d6	6.47	99	480720	48.88	ng	-0.01
23) Nitrobenzene-d5	7.40	82	826803	93.46	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	341238	128.04	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1333021	90.83	ng	-0.01
79) Terphenyl-d14	12.95	244	1647235	96.89	ng	0.00
Target Compounds						
10) Phenol	6.49	94	39801	3.437	ng	92
19) n-Nitroso-di-n-propylamine	7.40	70	110944	18.204	ng	# 78
22) Acetophenone	7.25	105	29626	2.645	ng	# 89
25) Isophorone	7.40	82	826799	48.875	ng	# 65
50) Dimethylphthalate	9.59	163	71831	3.838	ng	99
51) 2,6-Dinitrotoluene	9.87	165	34795	8.554	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	34795	6.425	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	20783	3.882	ng	# 1

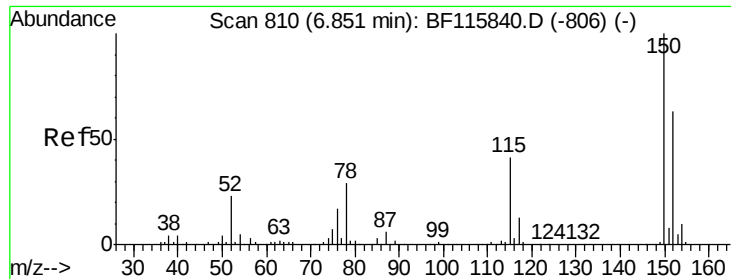
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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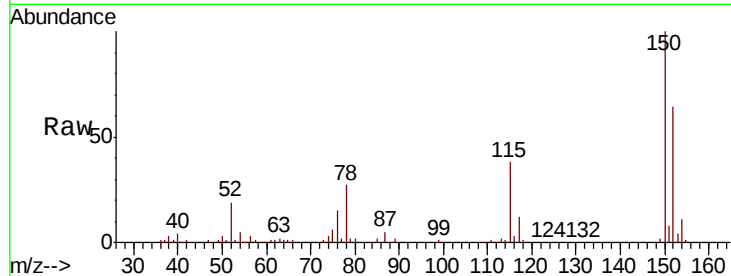


#1

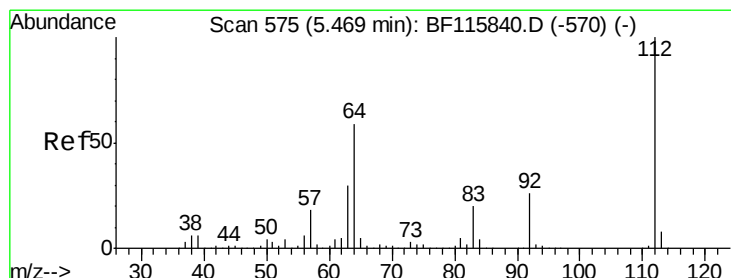
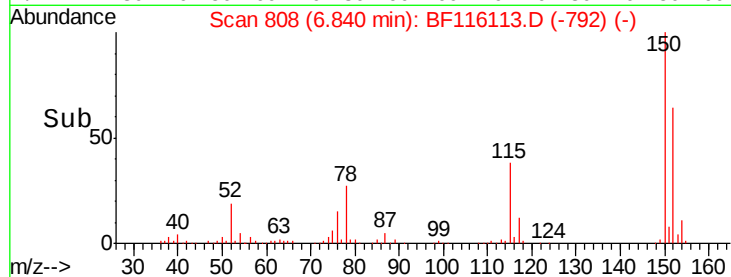
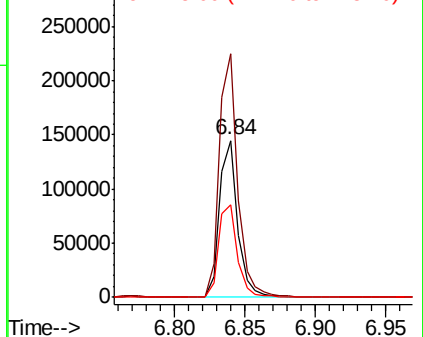
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 130496
 Ion Ratio Lower Upper
 152 100
 150 155.5 126.2 189.2
 115 59.4 49.9 74.9



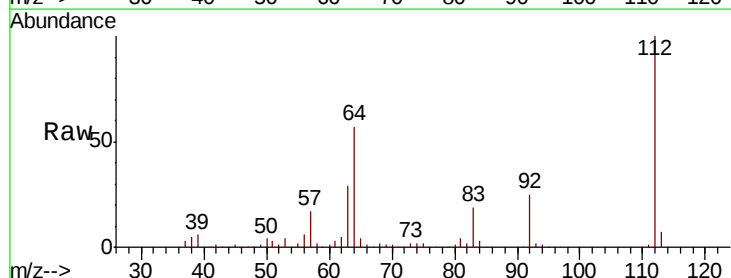
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



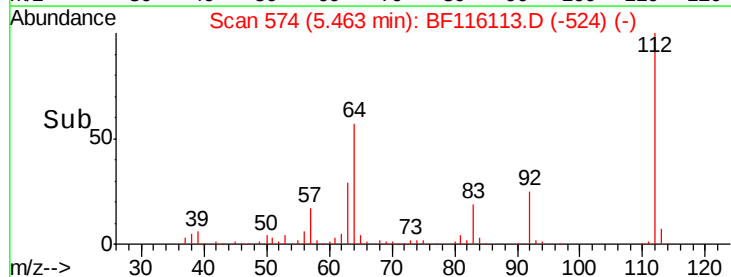
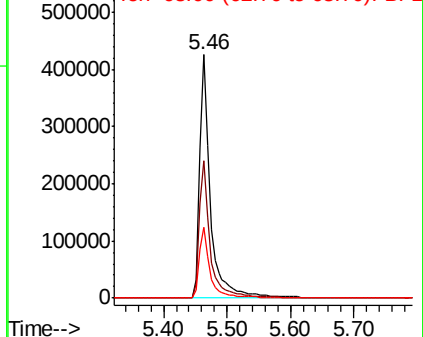
#5

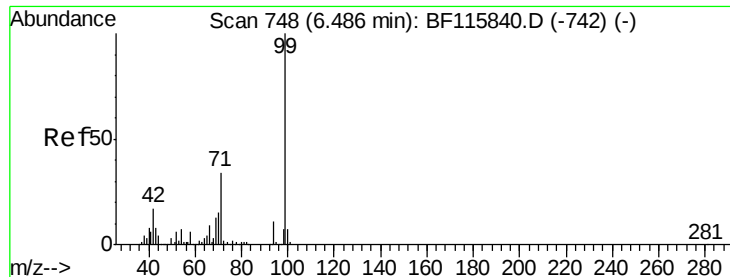
2-Fluorophenol
 Concen: 64.387 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Tgt Ion:112 Resp: 501910
 Ion Ratio Lower Upper
 112 100
 64 56.6 45.4 68.2
 63 29.0 23.7 35.5



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: 48.879 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116113.D

Acq: 9 Aug 2019 15:12

Instrument :

BNA_F

ClientSampleId :

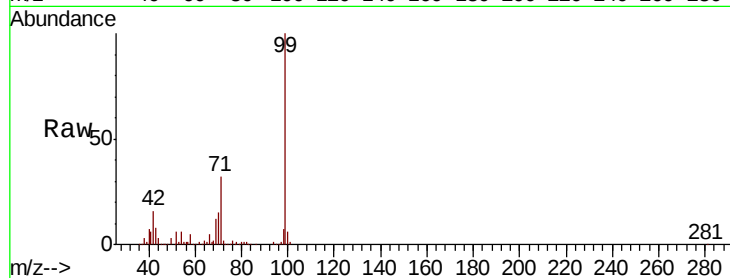
Tot Ion: 99 Resp: 480720

Ion Ratio Lower Upper

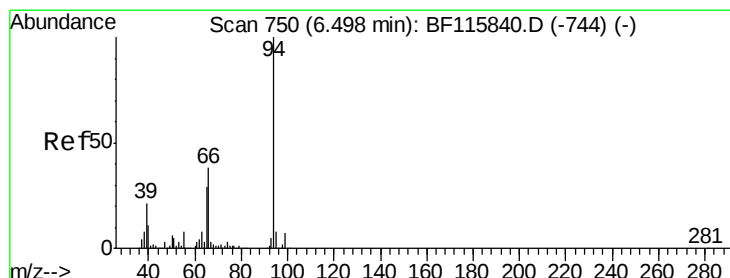
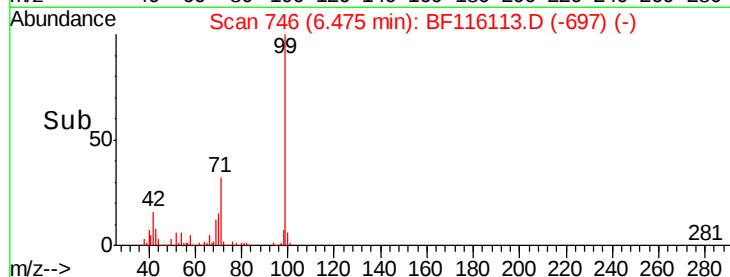
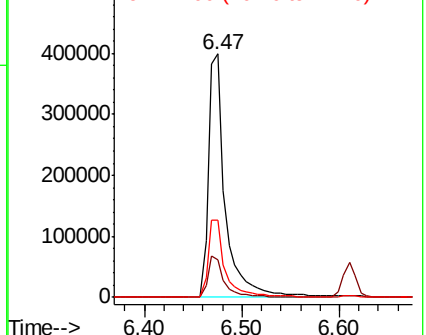
99 100

42 15.6 13.8 20.8

71 31.6 27.3 40.9



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: 3.437 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116113.D

Acq: 9 Aug 2019 15:12

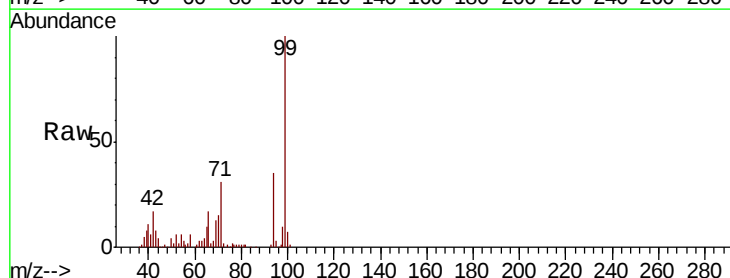
Tgt Ion: 94 Resp: 39801

Ion Ratio Lower Upper

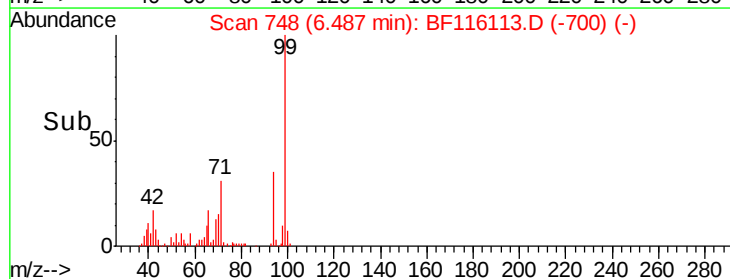
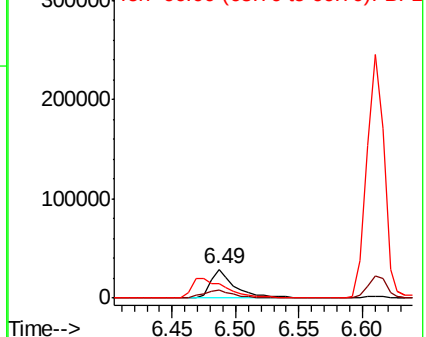
94 100

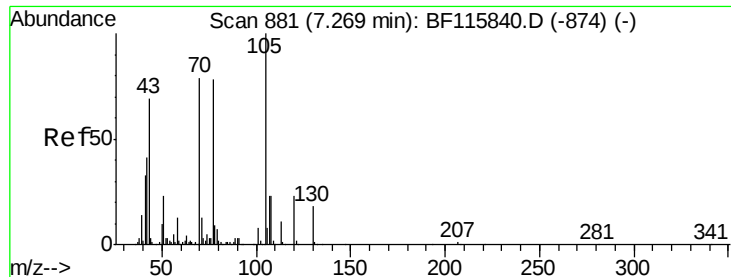
65 29.7 16.8 56.8

66 49.9 34.2 74.2



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

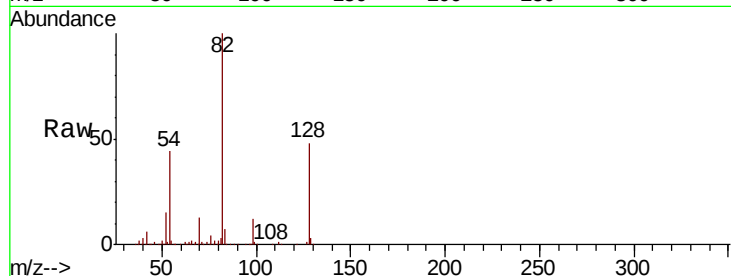




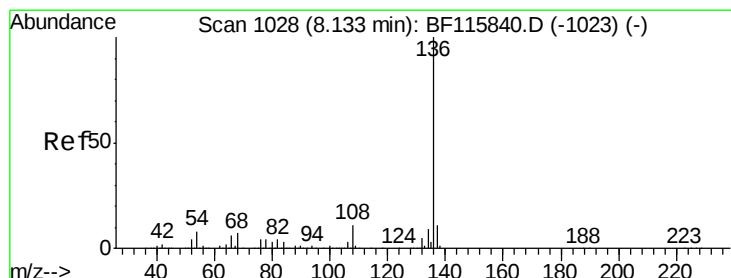
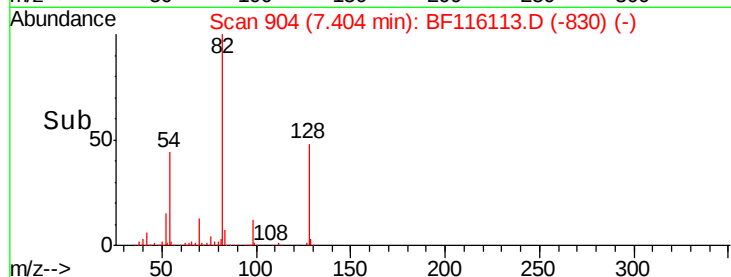
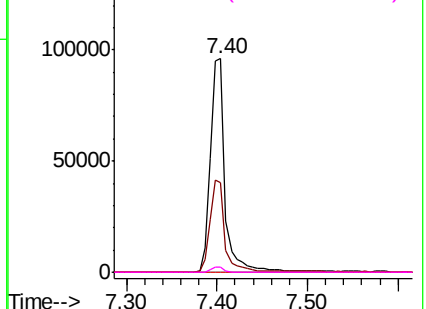
#19
n-Nitroso-di-n-propylamine
Concen: 18.204 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 110944
Ion Ratio Lower Upper
70 100
42 41.9 40.9 61.3
101 0.0 7.9 11.9#
130 2.2 16.9 25.3#

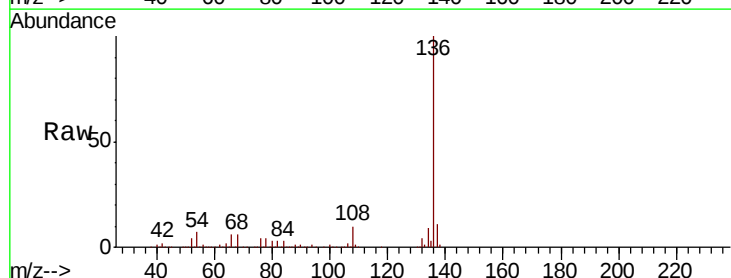


Abundance Ion 70.00 (69.70 to 70.70): BF1
150000
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

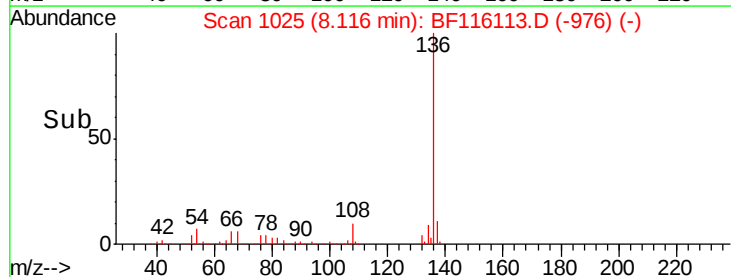
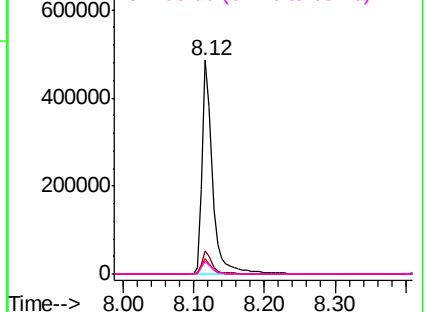


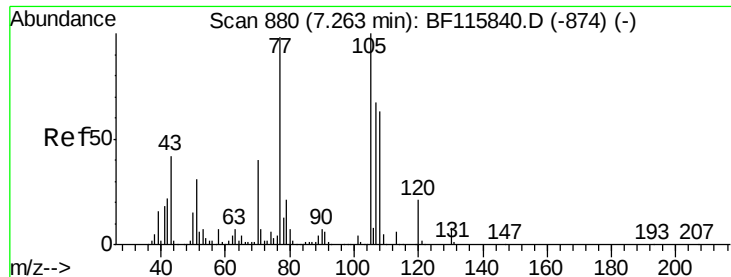
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Tgt Ion: 136 Resp: 510665
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 7.2 5.8 8.6
68 6.3 5.2 7.8



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





#22

Acetophenone

Concen: 2.645 ng

RT: 7.25 min Scan# 878

Delta R.T. -0.01 min

Lab File: BF116113.D

Acq: 9 Aug 2019 15:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 29626

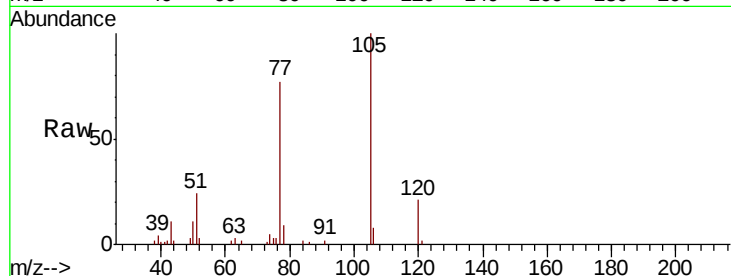
Ion Ratio Lower Upper

105 100

71 0.0 5.9 8.9#

51 23.7 25.3 37.9#

120 20.6 17.9 26.9

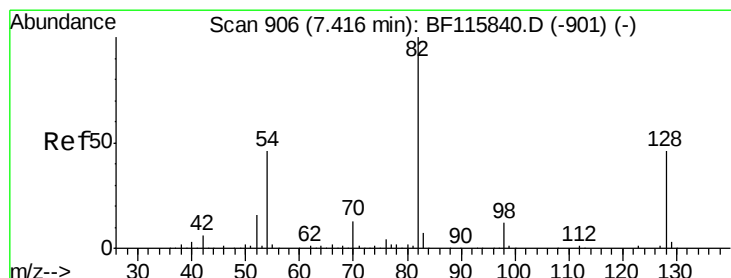
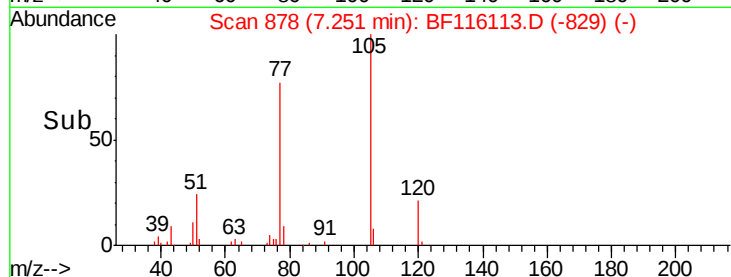
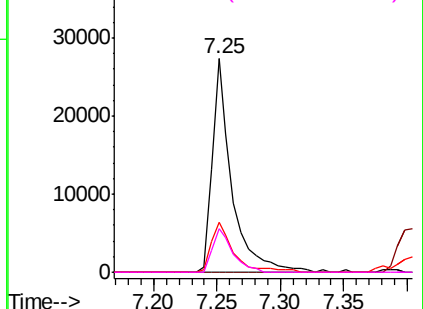


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 93.458 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116113.D

Acq: 9 Aug 2019 15:12

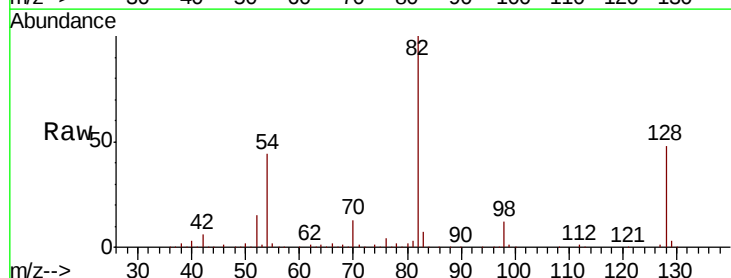
Tgt Ion: 82 Resp: 826803

Ion Ratio Lower Upper

82 100

128 47.7 36.5 54.7

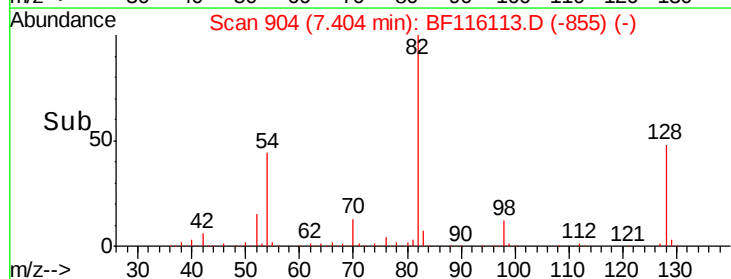
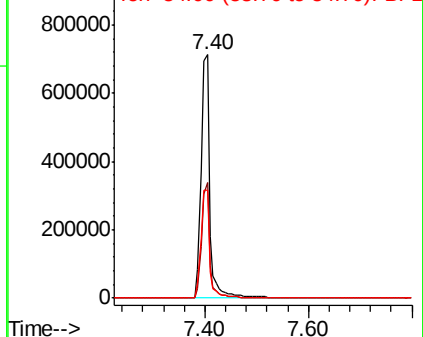
54 44.3 36.0 54.0

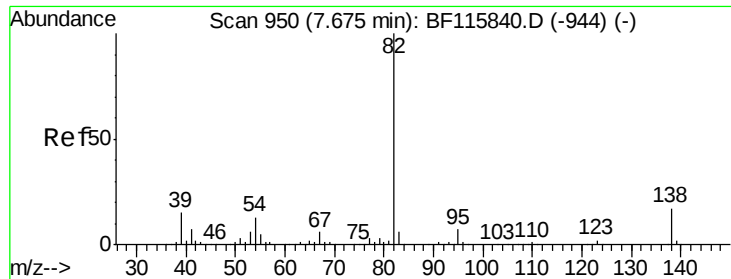


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

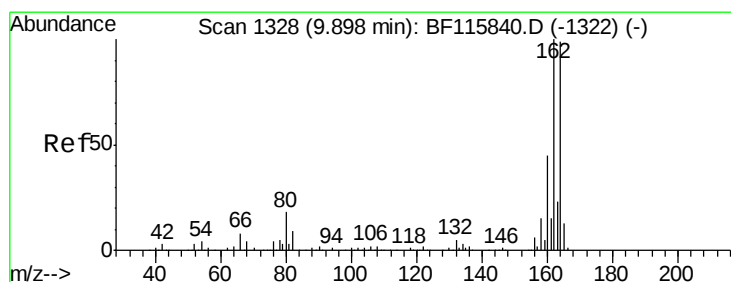
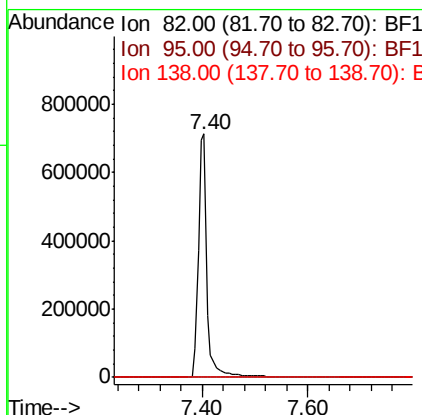
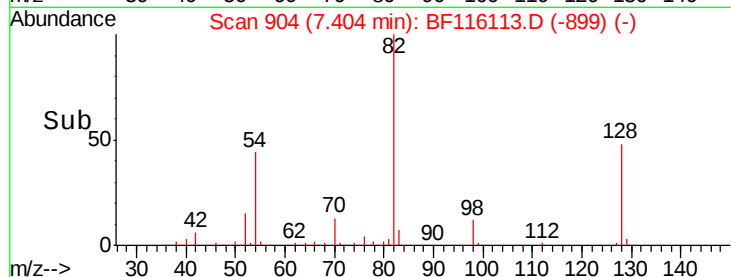
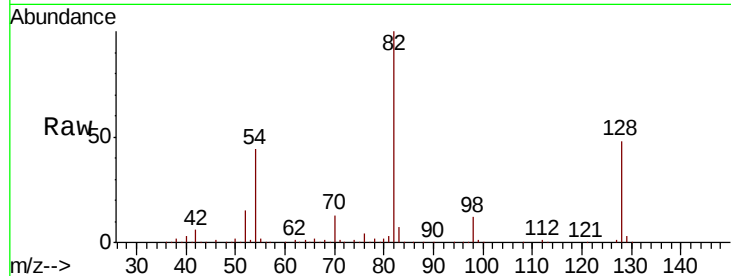




#25
Isophorone
Concen: 48.875 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

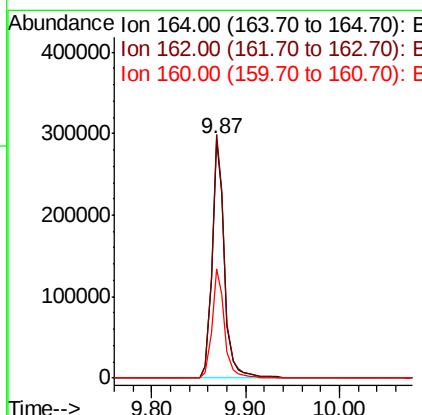
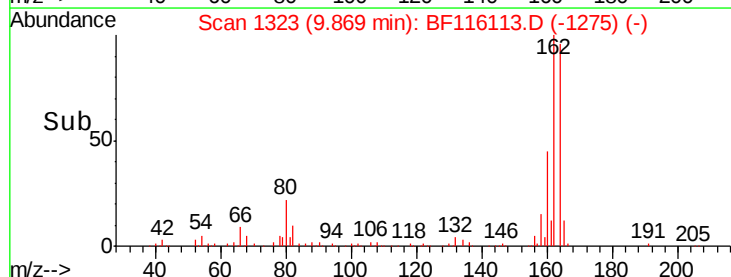
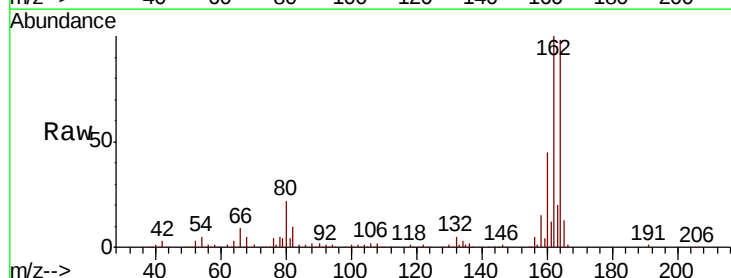
Instrument :
BNA_F
ClientSampled :

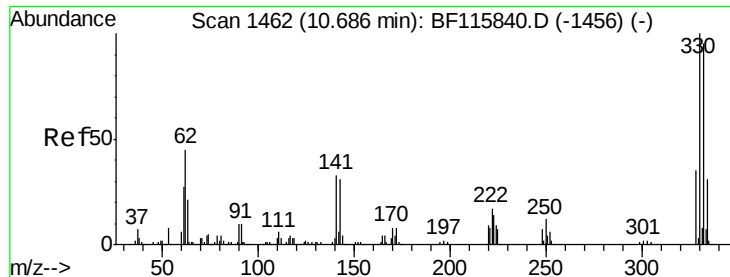
Tot Ion: 82 Resp: 826799
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Tgt Ion:164 Resp: 274894
Ion Ratio Lower Upper
164 100
162 101.9 82.6 124.0
160 45.9 37.6 56.4

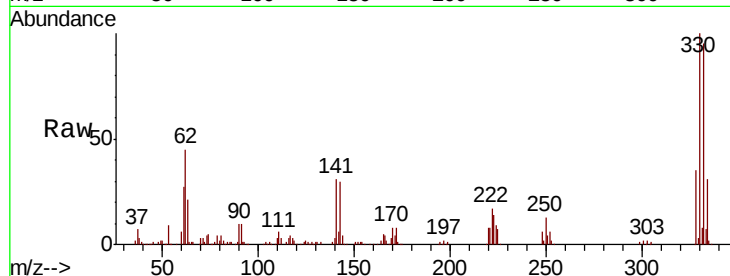




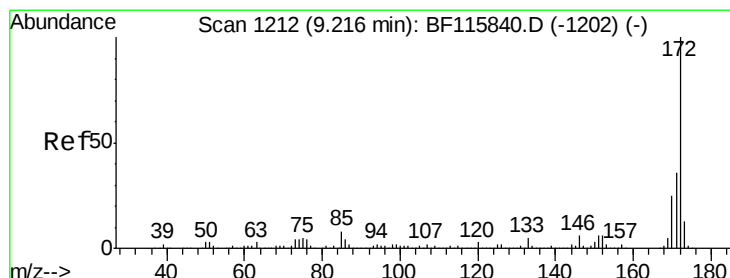
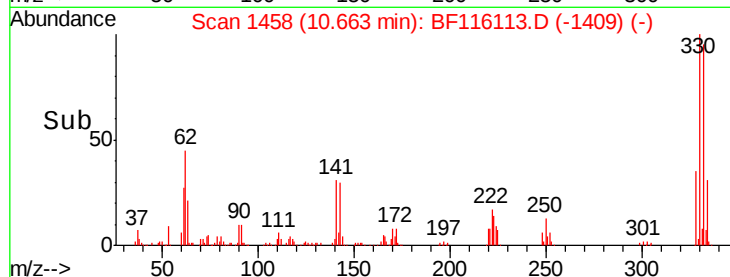
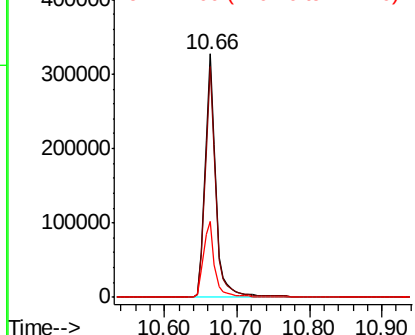
#42
 2,4,6-Tribromophenol
 Concen: 128.036 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 341238
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.8 115.2
 141 32.9 26.3 39.5

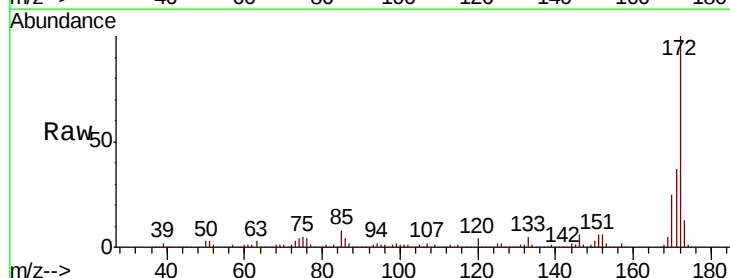


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

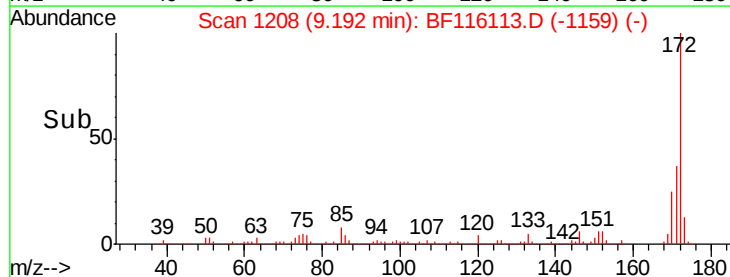
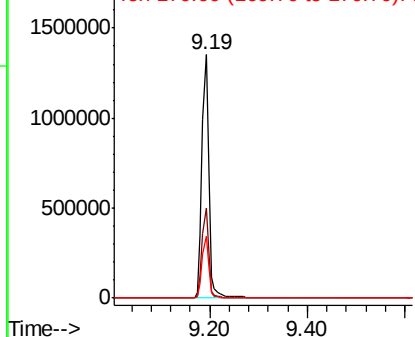


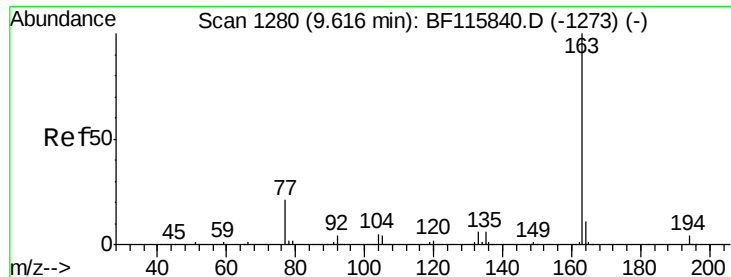
#45
 2-Fluorobiphenyl
 Concen: 90.829 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Tgt Ion:172 Resp: 1333021
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.6 44.4
 170 25.2 20.1 30.1



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

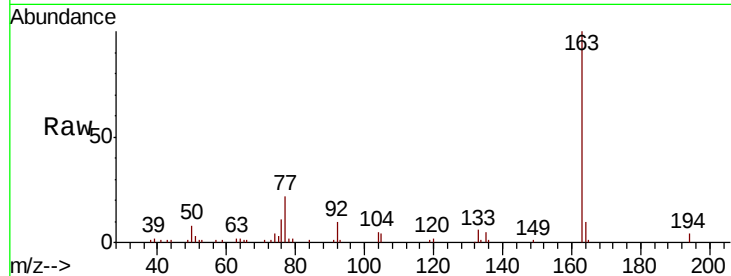




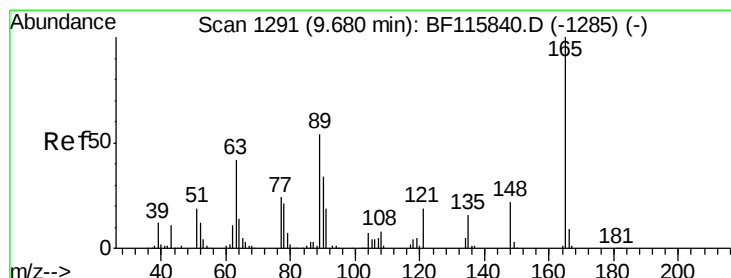
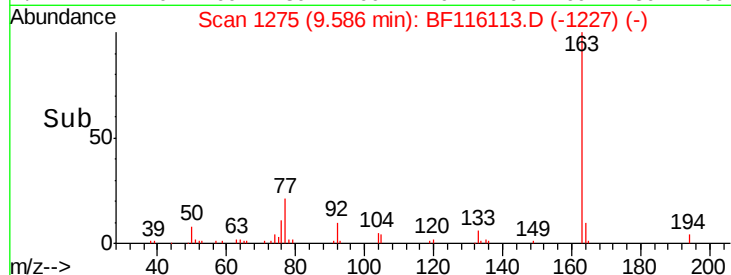
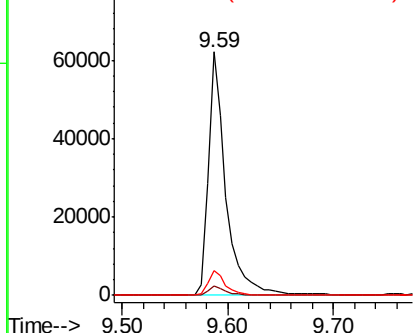
#50
Dimethylphthalate
Concen: 3.838 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.4	12.6

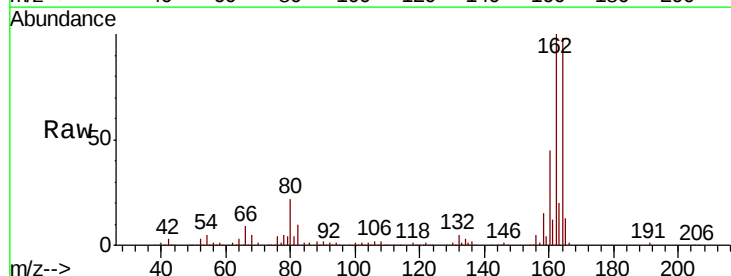


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

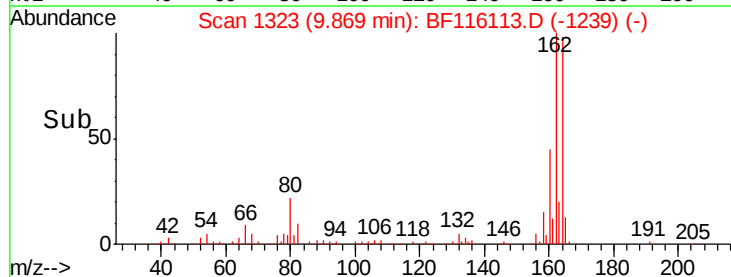
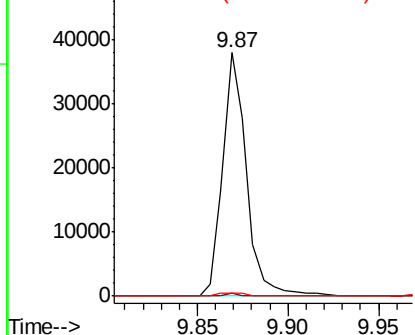


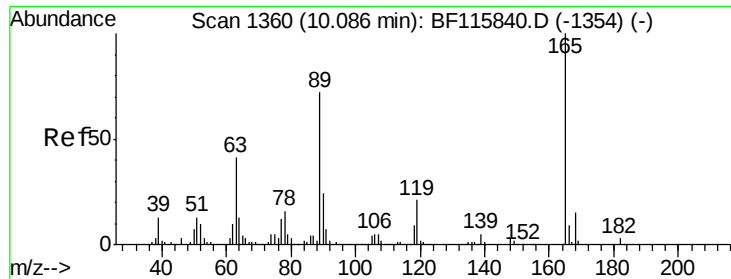
#51
2,6-Dinitrotoluene
Concen: 8.554 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.19 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	38.2	57.2#
89	1.4	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

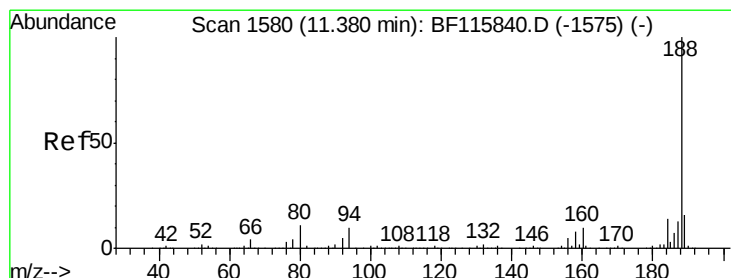
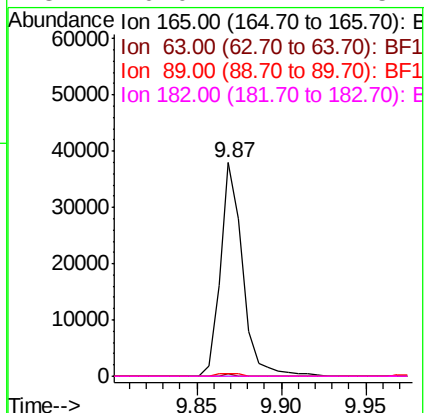
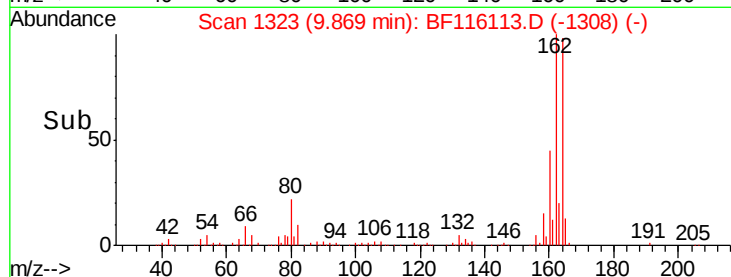
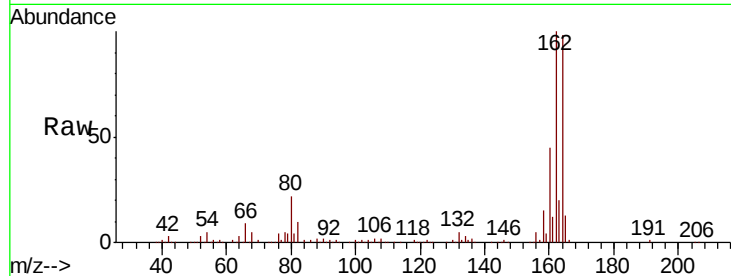




#57
 2,4-Dinitrotoluene
 Concen: 6.425 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

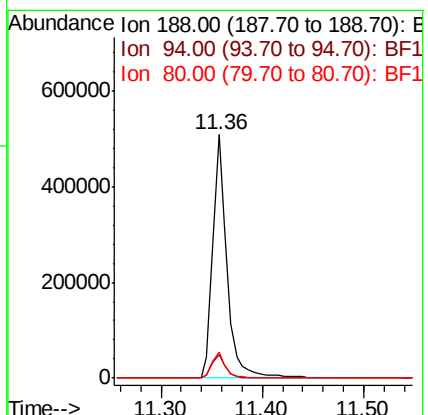
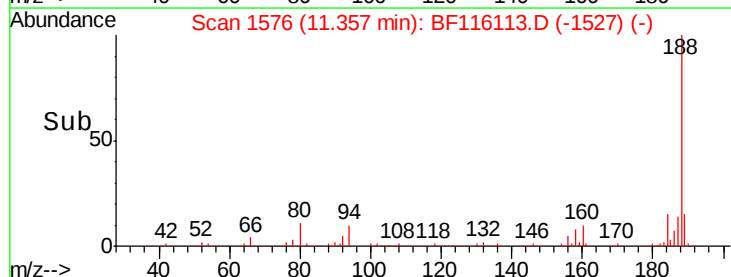
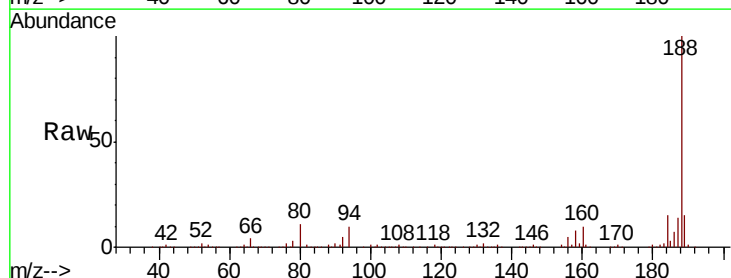
Instrument :
 BNA_F
 ClientSampleId :

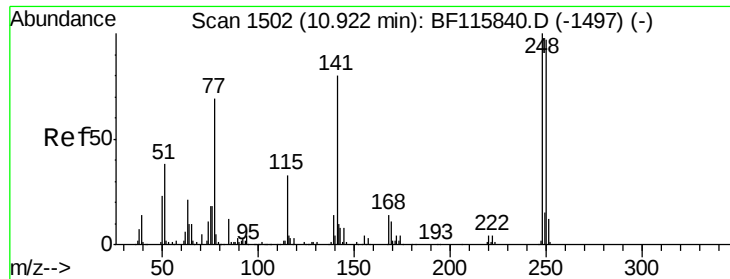
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	10.6	8.7	13.1

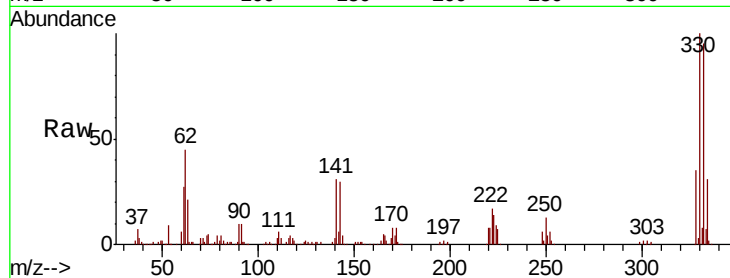




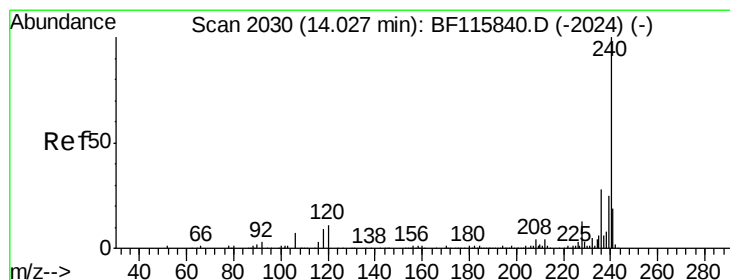
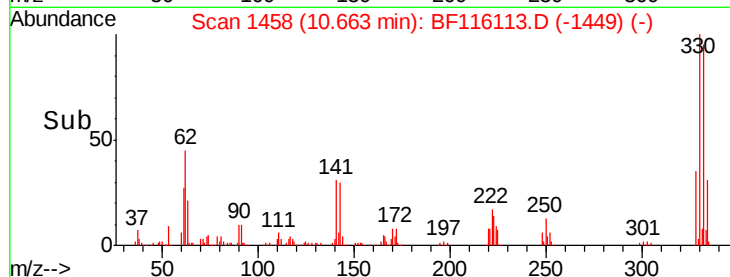
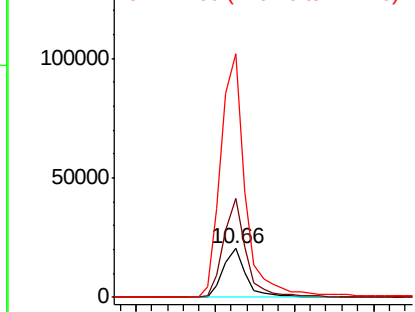
#67
4-Bromophenyl-phenylether
Concen: 3.882 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20783
Ion Ratio Lower Upper
248 100
250 201.9 77.4 116.2#
141 499.5 56.8 85.2#

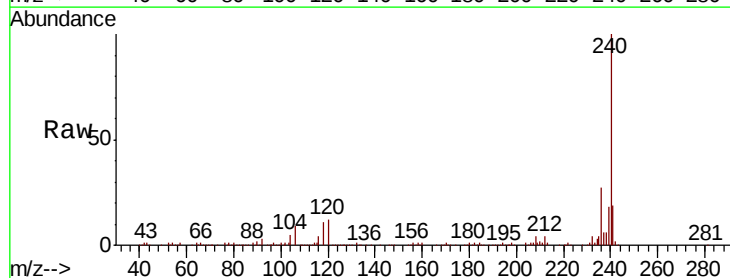


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

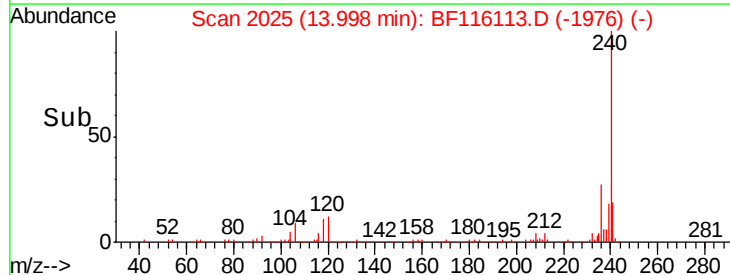
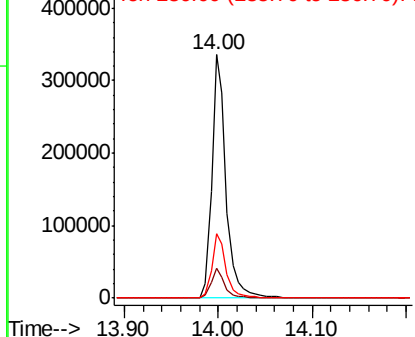


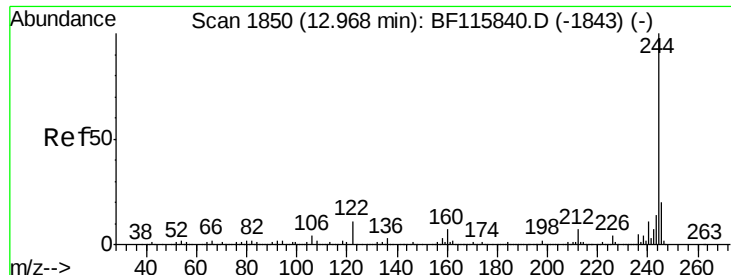
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF116113.D
Acq: 9 Aug 2019 15:12

Tgt Ion:240 Resp: 358234
Ion Ratio Lower Upper
240 100
120 12.2 10.7 16.1
236 26.6 22.2 33.2



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



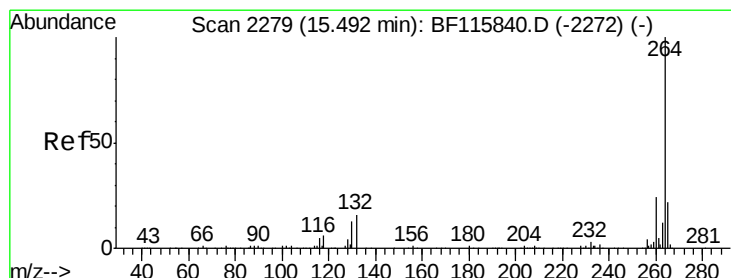
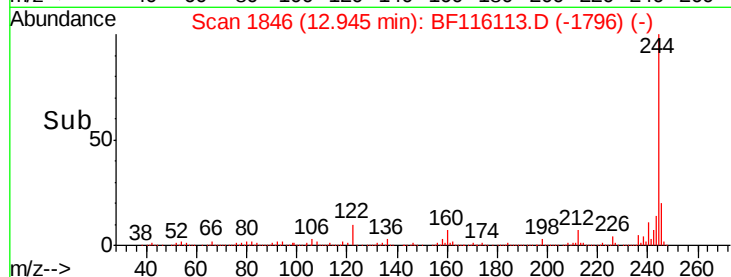
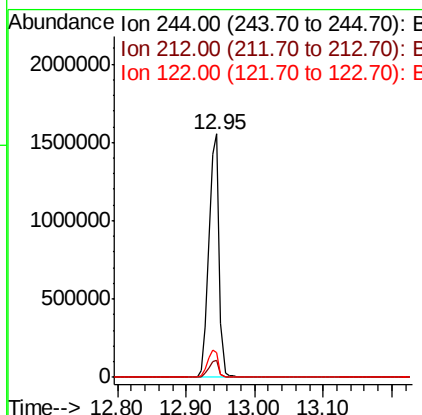
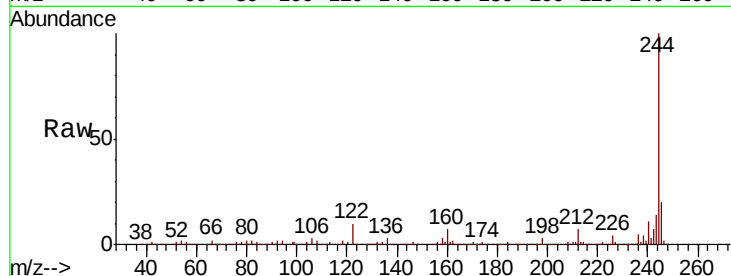


#79
 Terphenyl-d14
 Concen: 96.892 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1647235

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	10.4	9.0	13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF116113.D
 Acq: 9 Aug 2019 15:12

Tgt Ion:264 Resp: 300162

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	22.1	17.4	26.0

