

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081519\
 Data File : BF116278.D
 Acq On : 15 Aug 2019 14:47
 Operator : HP/JU
 Sample : K4329-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 16 03:08:10 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

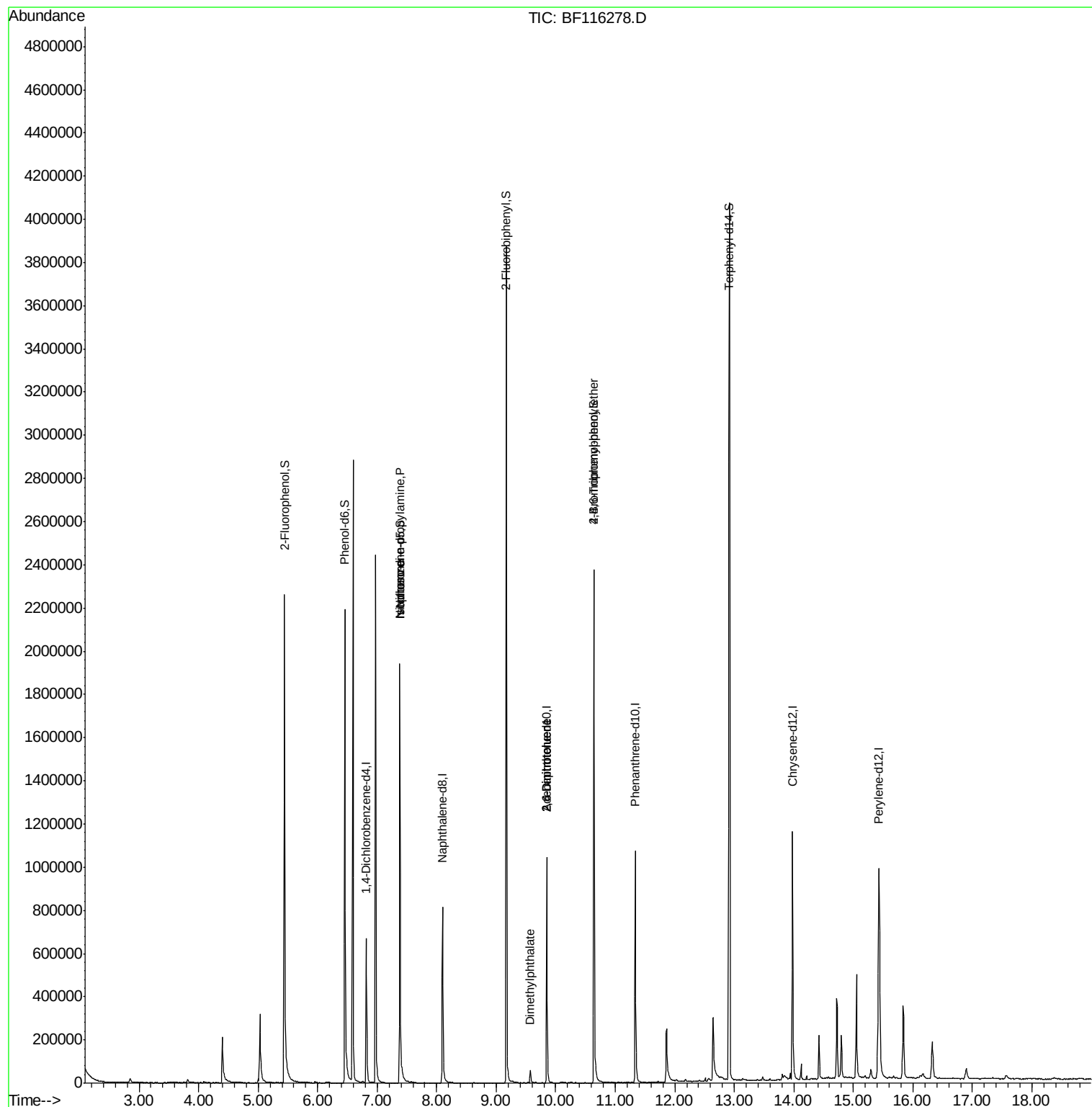
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	106502	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	417633	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	231697	20.00	ng	-0.04
64) Phenanthrene-d10	11.33	188	443955	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	427929	20.00	ng	-0.04
87) Perylene-d12	15.43	264	473574	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	756021	118.84	ng	-0.03
7) Phenol-d6	6.46	99	872989	108.76	ng	-0.03
23) Nitrobenzene-d5	7.38	82	690896	95.49	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	331945	147.77	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1207442	97.61	ng	-0.04
79) Terphenyl-d14	12.92	244	1663615	81.92	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	89077	17.909	ng	# 79
25) Isophorone	7.38	82	691365	49.973	ng	# 65
50) Dimethylphthalate	9.57	163	34990	2.218	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	29427	8.583	ng	# 28
57) 2,4-Dinitrotoluene	9.85	165	29427	6.447	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	19993	4.207	ng	# 1

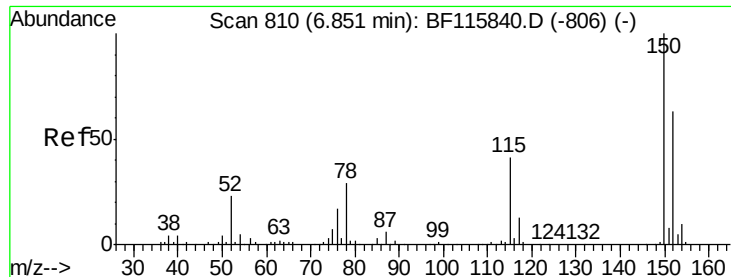
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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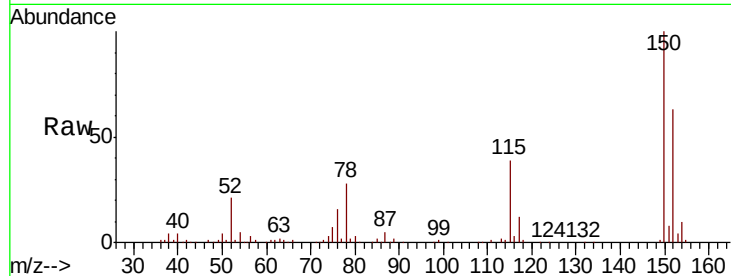


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116278.D
Acq: 15 Aug 2019 14:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	126.2	189.2
115	62.9	49.9	74.9

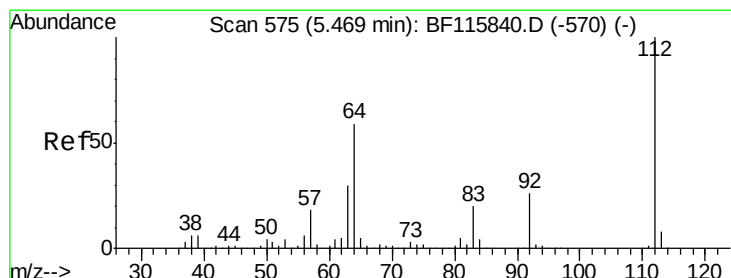
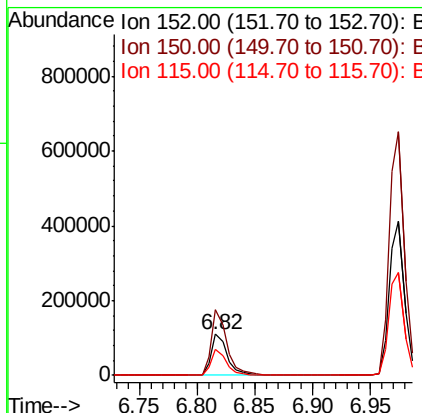
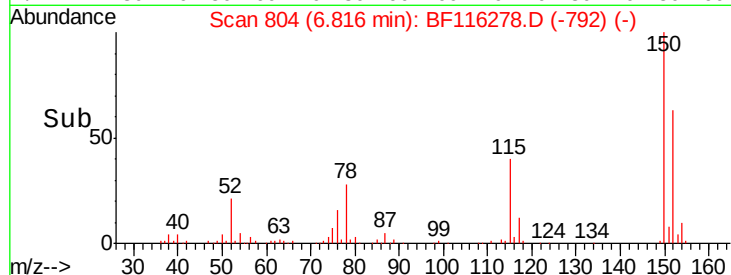


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

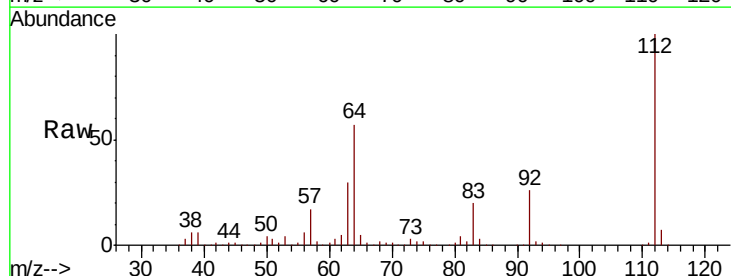
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 118.836 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116278.D
Acq: 15 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	45.4	68.2
63	29.9	23.7	35.5

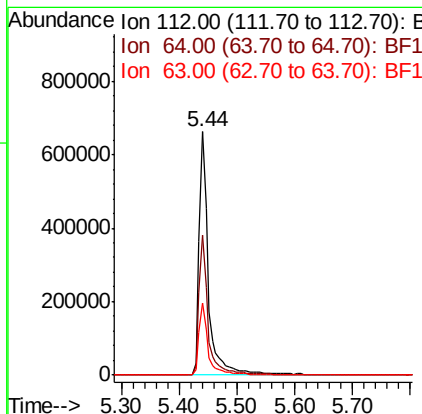
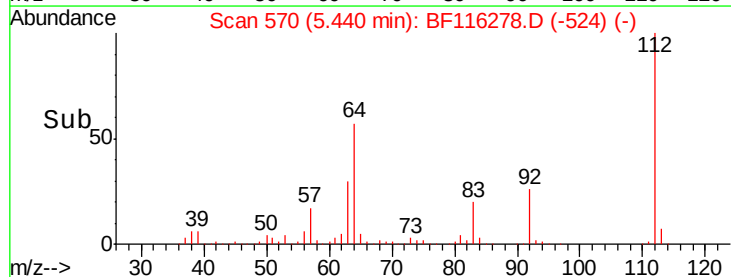


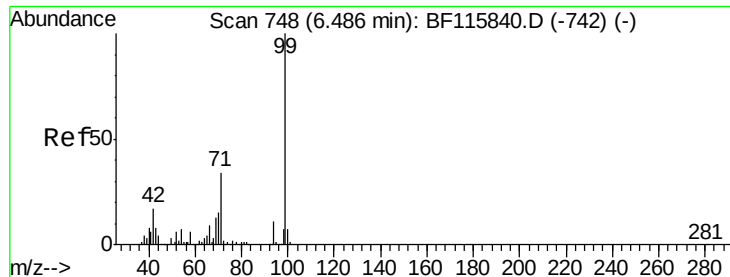
Abundance

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: 108.761 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116278.D

Acq: 15 Aug 2019 14:47

Instrument :

BNA_F

ClientSampled :

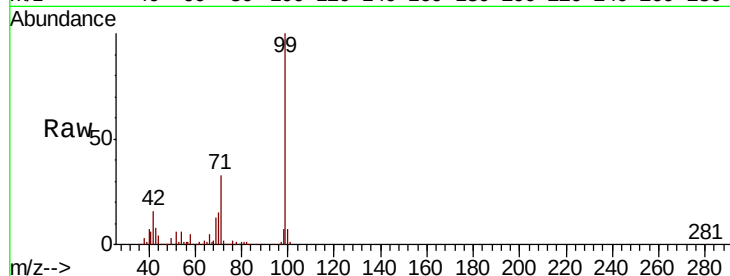
Tot Ion: 99 Resp: 872989

Ion Ratio Lower Upper

99 100

42 16.2 13.8 20.8

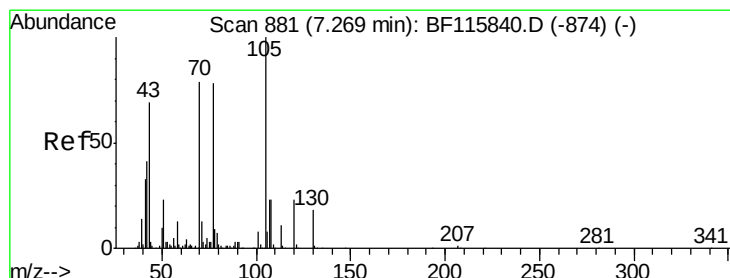
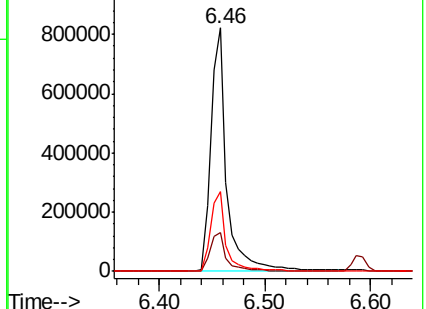
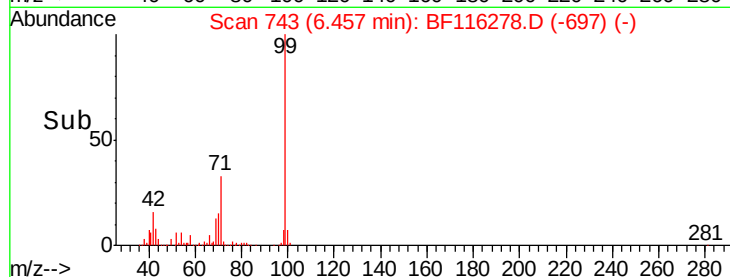
71 32.6 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.909 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116278.D

Acq: 15 Aug 2019 14:47

Tgt Ion: 70 Resp: 89077

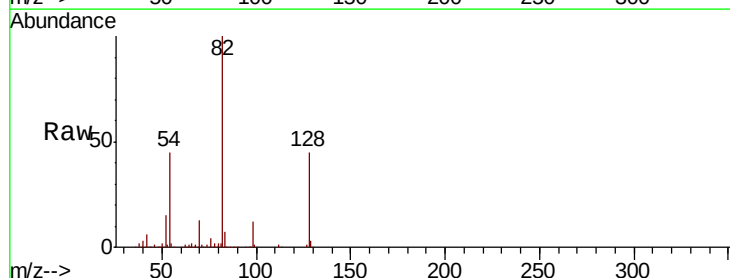
Ion Ratio Lower Upper

70 100

42 42.9 40.9 61.3

101 0.0 7.9 11.9#

130 2.4 16.9 25.3#

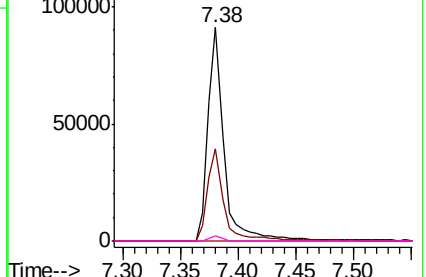
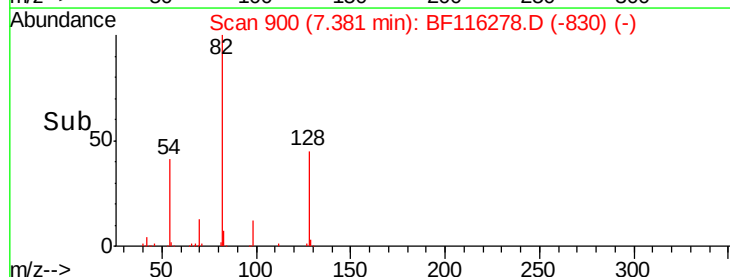


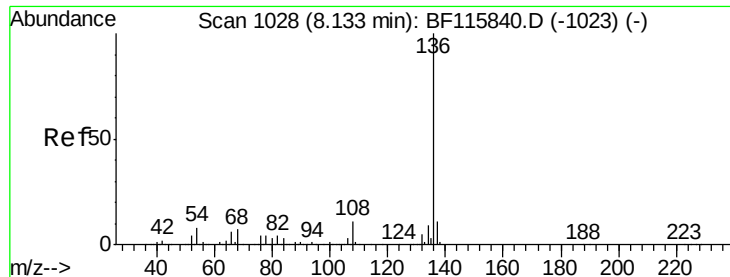
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

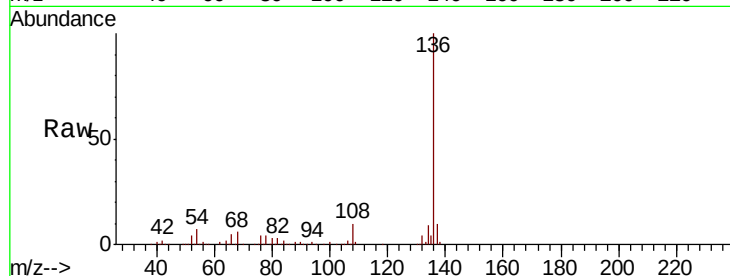




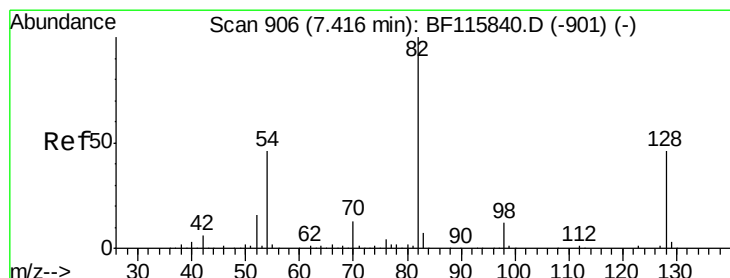
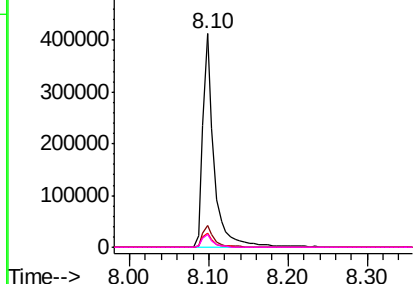
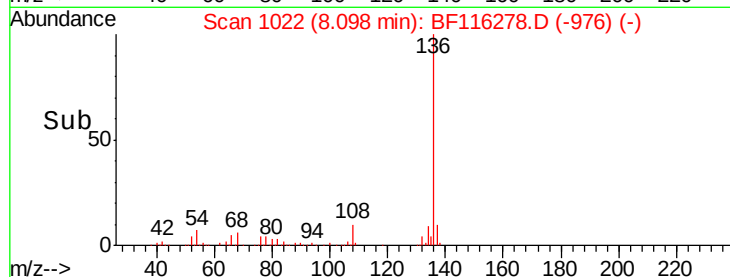
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116278.D
Acq: 15 Aug 2019 14:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	417633
Ion	Ratio	Lower Upper
136	100	
137	10.5	9.0 13.4
54	6.7	5.8 8.6
68	6.0	5.2 7.8

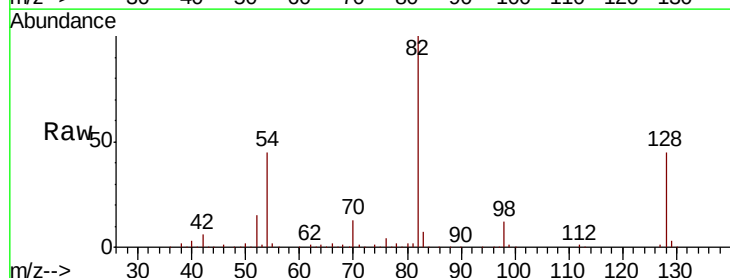


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

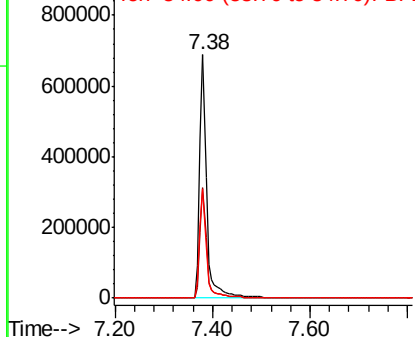
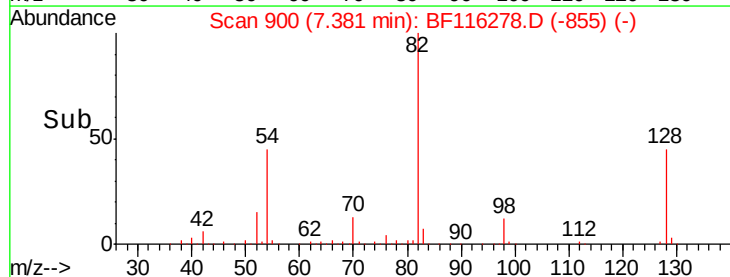


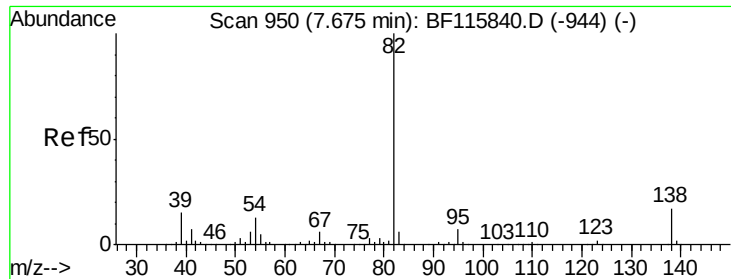
#23
Nitrobenzene-d5
Concen: 95.492 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116278.D
Acq: 15 Aug 2019 14:47

Tgt Ion: 82	Resp:	690896
Ion	Ratio	Lower Upper
82	100	
128	45.2	36.5 54.7
54	44.9	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: 49.973 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116278.D

Acq: 15 Aug 2019 14:47

Instrument :

BNA_F

ClientSampleId :

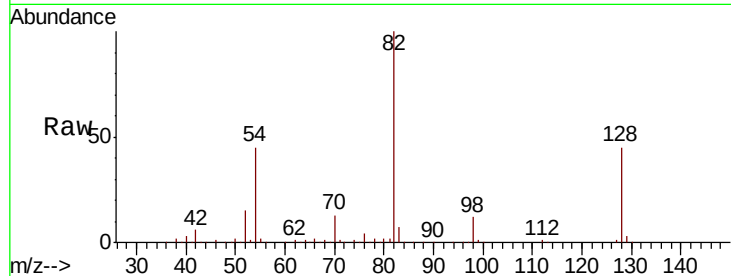
Tot Ion: 82 Resp: 691365

Ion Ratio Lower Upper

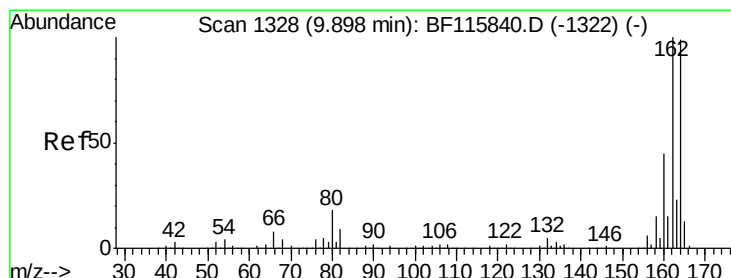
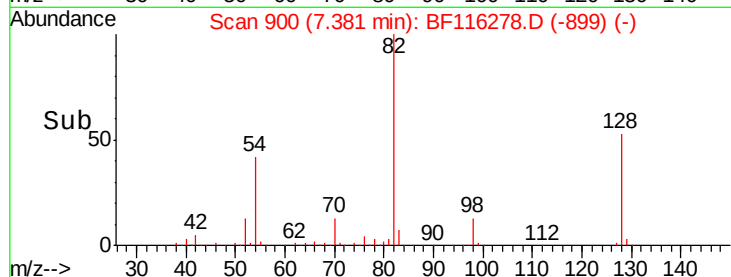
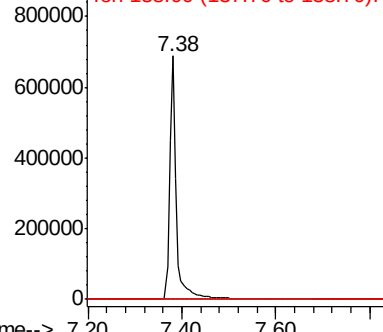
82 100

95 0.0 5.4 8.0#

138 0.0 14.5 21.7#



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: 9.85 min Scan# 1320

Delta R.T. -0.04 min

Lab File: BF116278.D

Acq: 15 Aug 2019 14:47

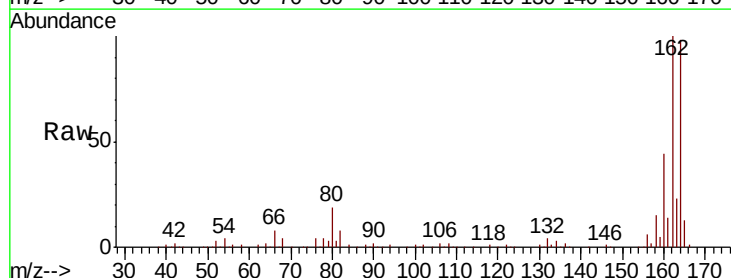
Tgt Ion: 164 Resp: 231697

Ion Ratio Lower Upper

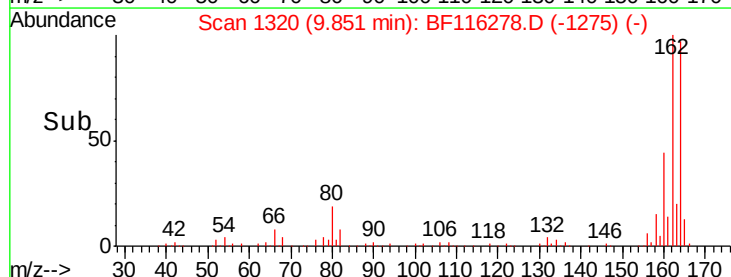
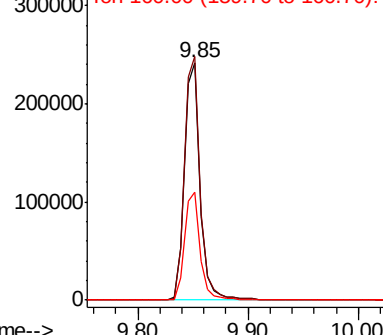
164 100

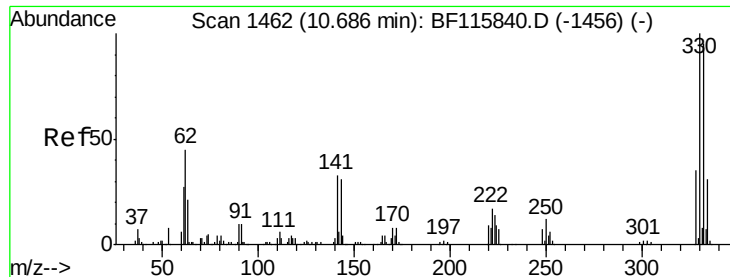
162 102.4 82.6 124.0

160 45.5 37.6 56.4



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

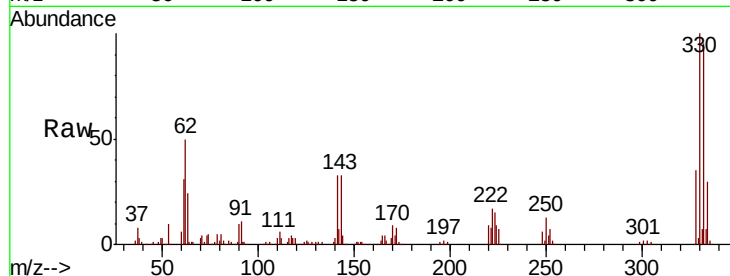




#42
 2,4,6-Tribromophenol
 Concen: 147.770 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.8	115.2
141	32.8	26.3	39.5

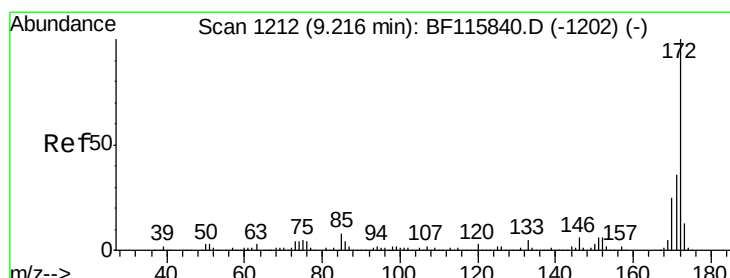
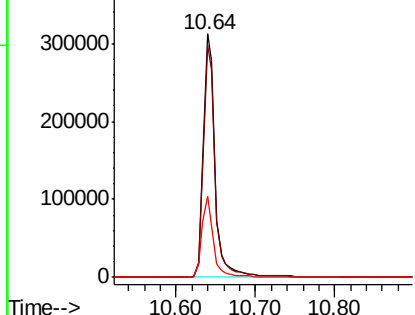
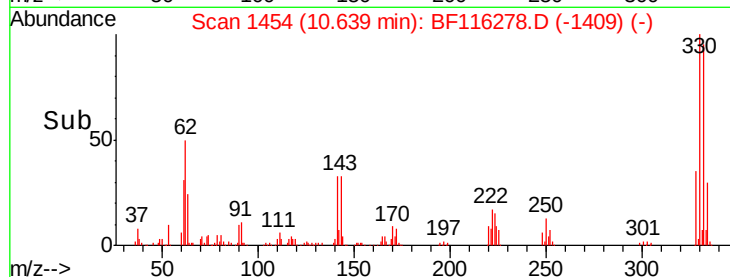


Abundance

Ion 329.80 (329.50 to 330.50): E

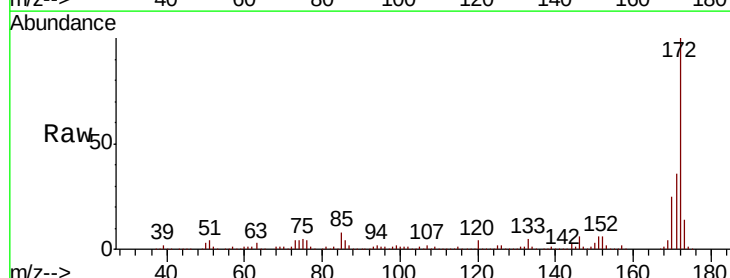
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 97.611 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.9	20.1	30.1

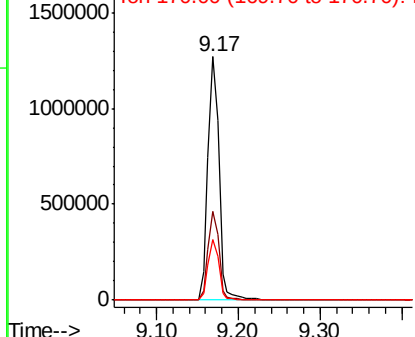
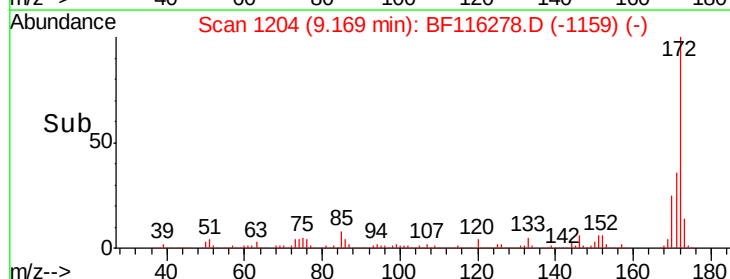


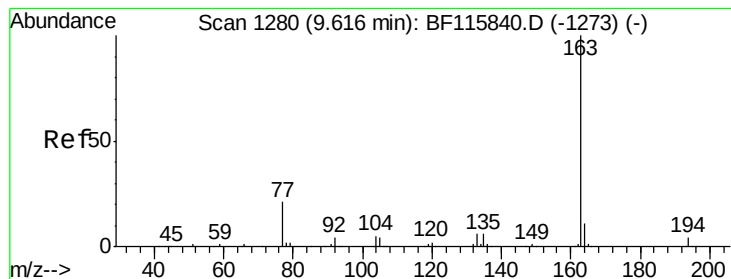
Abundance

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: 2.218 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.04 min

Lab File: BF116278.D

Acq: 15 Aug 2019 14:47

Instrument :

BNA_F

ClientSampleId :

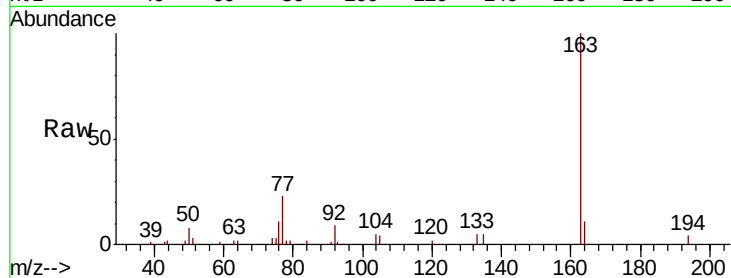
Tot Ion:163 Resp: 34990

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

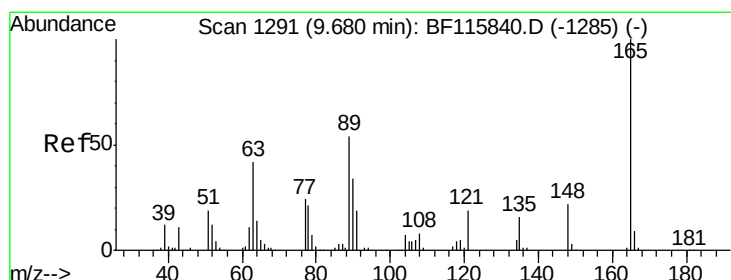
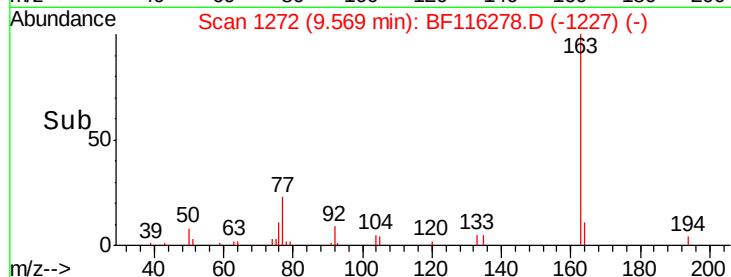
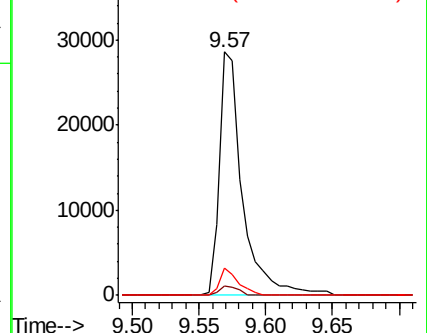
164 11.0 8.4 12.6



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: 8.583 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.18 min

Lab File: BF116278.D

Acq: 15 Aug 2019 14:47

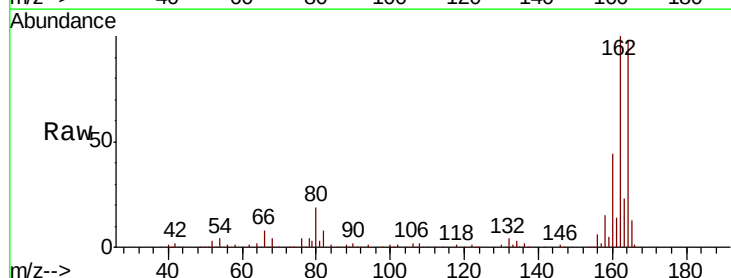
Tgt Ion:165 Resp: 29427

Ion Ratio Lower Upper

165 100

63 0.0 38.2 57.2#

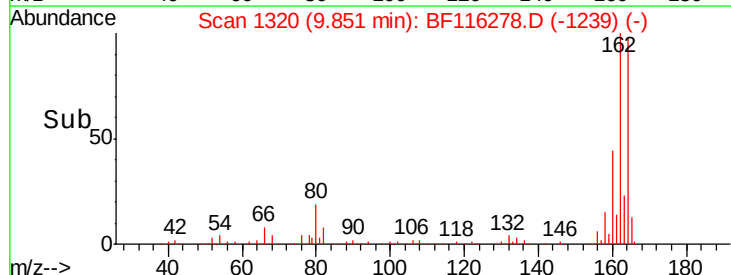
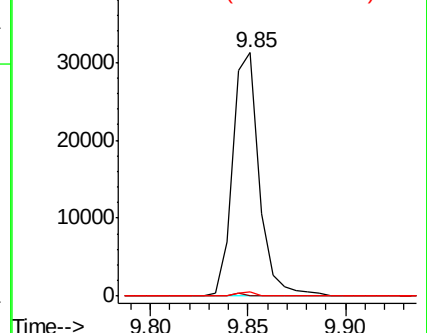
89 1.5 42.9 64.3#

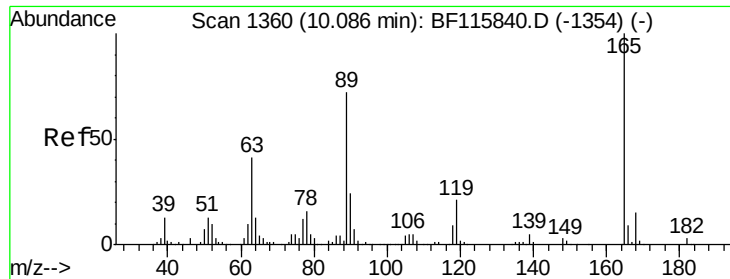


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

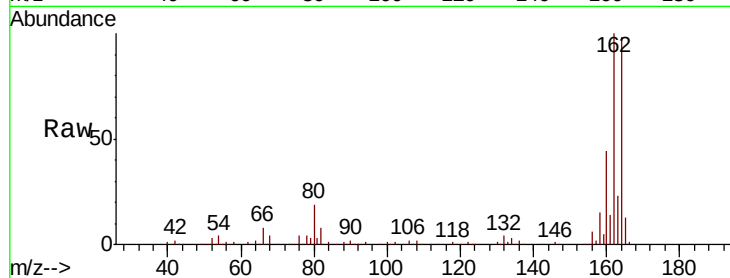




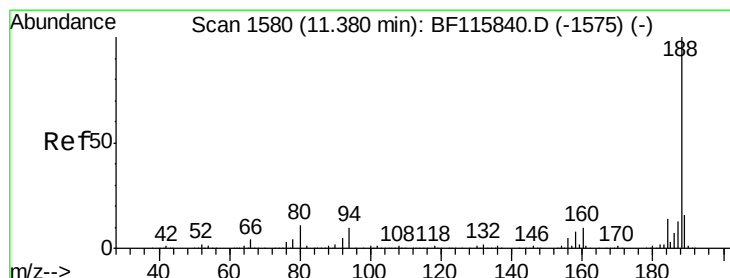
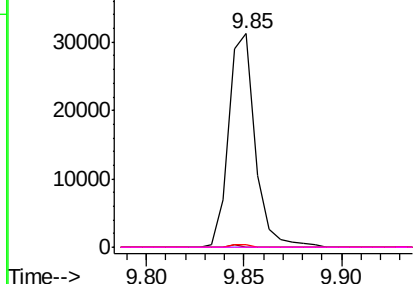
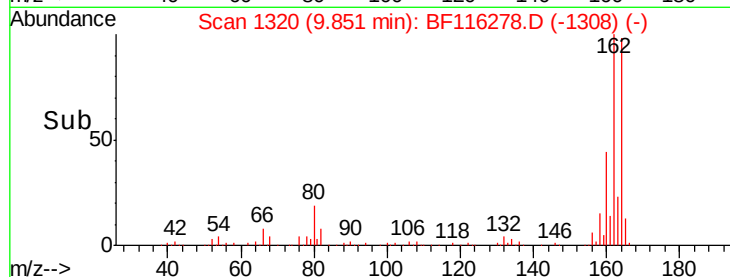
#57
 2,4-Dinitrotoluene
 Concen: 6.447 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.23 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:165	Resp:	29427
Ion Ratio	Lower	Upper
165	100	
63	0.0	39.6 59.4#
89	1.5	62.2 93.2#
182	0.0	2.1 3.1#

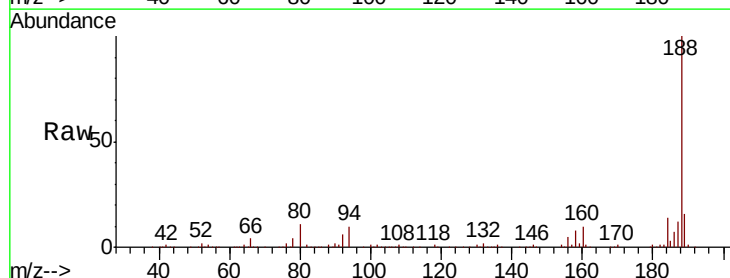


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

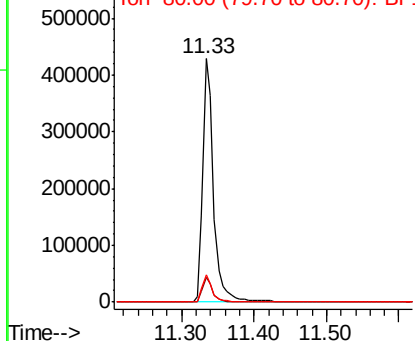
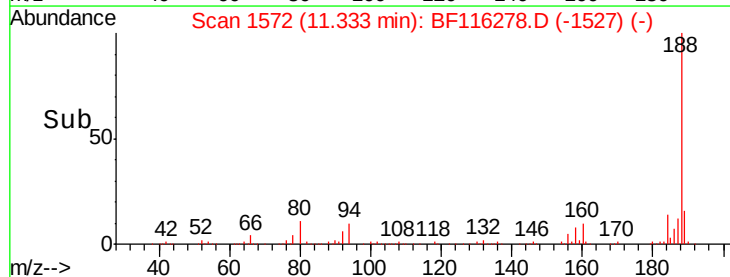


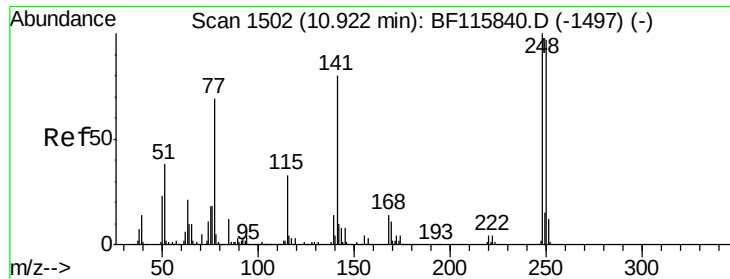
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.04 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Tgt Ion:188	Resp:	443955
Ion Ratio	Lower	Upper
188	100	
94	10.2	8.1 12.1
80	11.2	8.7 13.1



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

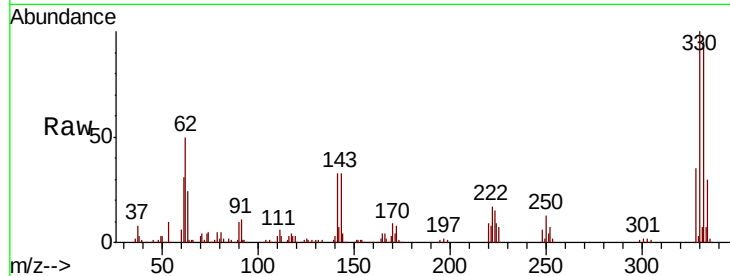




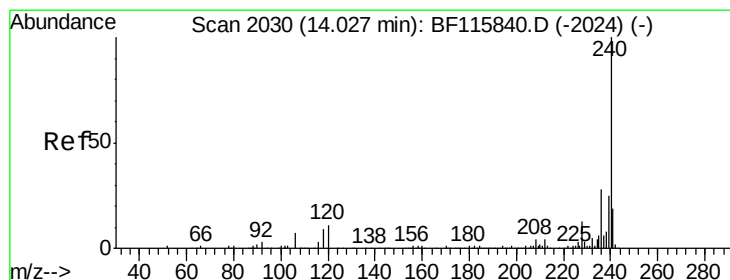
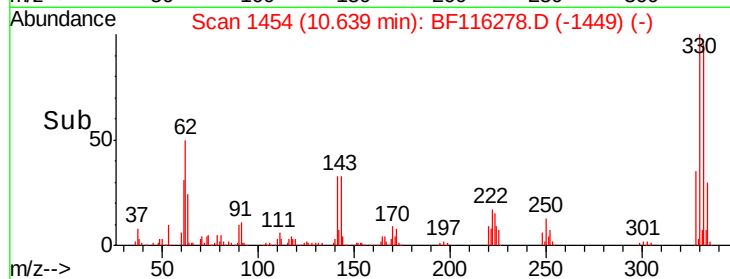
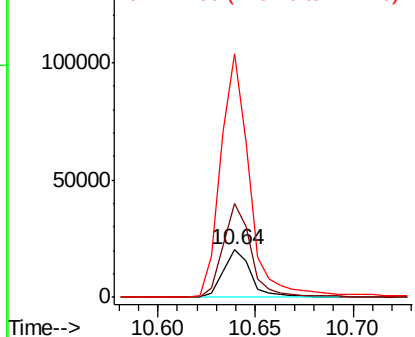
#67
 4-Bromophenyl-phenylether
 Concen: 4.207 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.27 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	198.4	77.4	116.2#
141	511.5	56.8	85.2#

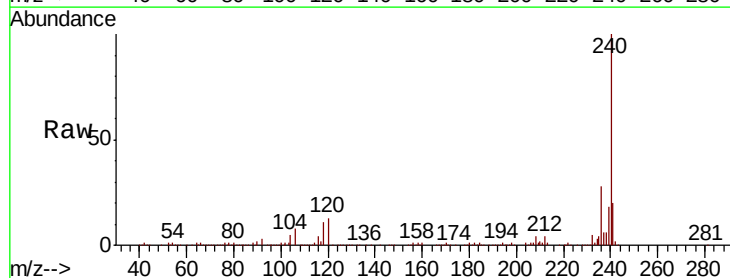


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

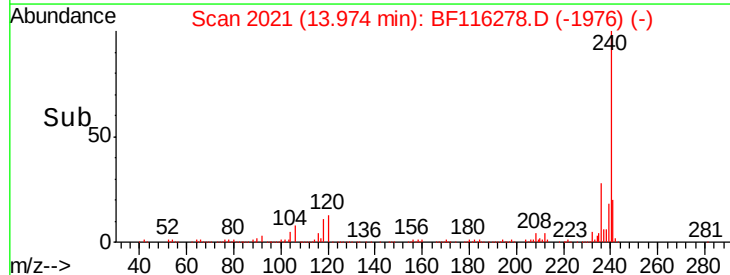
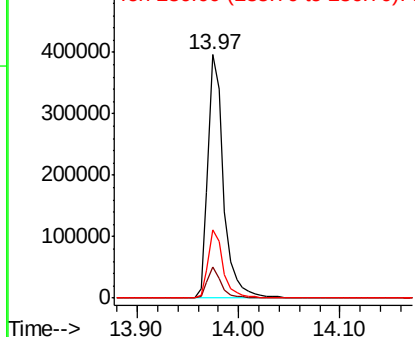


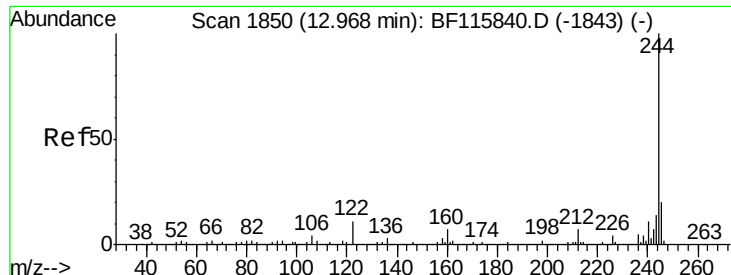
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.04 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.7	16.1
236	27.9	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

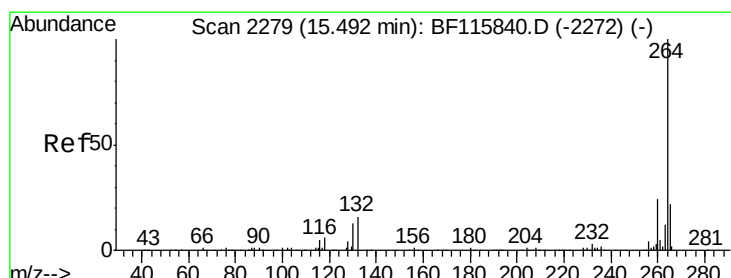
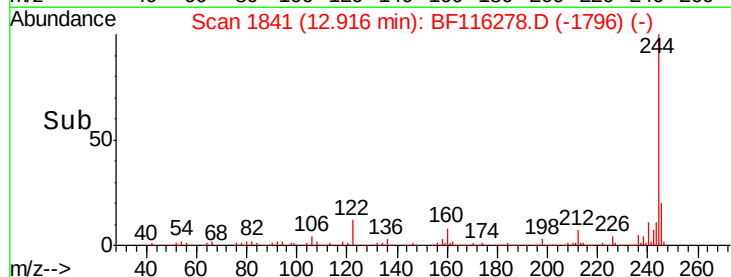
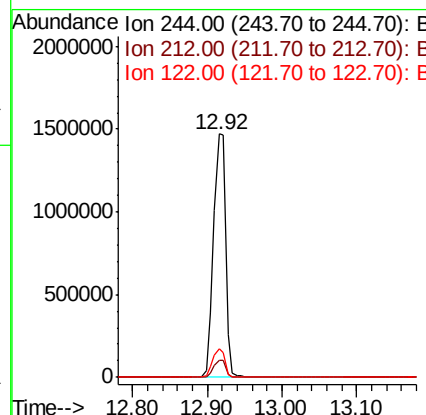
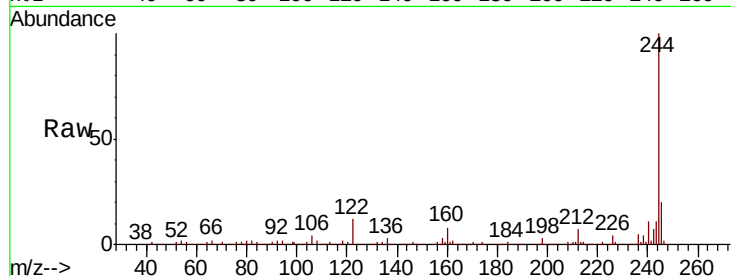




#79
 Terphenyl-d14
 Concen: 81.918 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1663615
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.6 9.0 13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.04 min
 Lab File: BF116278.D
 Acq: 15 Aug 2019 14:47

Tgt Ion:264 Resp: 473574
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.7 29.5
 265 21.8 17.4 26.0

