

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116028.D
 Acq On : 6 Aug 2019 22:02
 Operator : HP/JU
 Sample : K4135-36
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:19:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

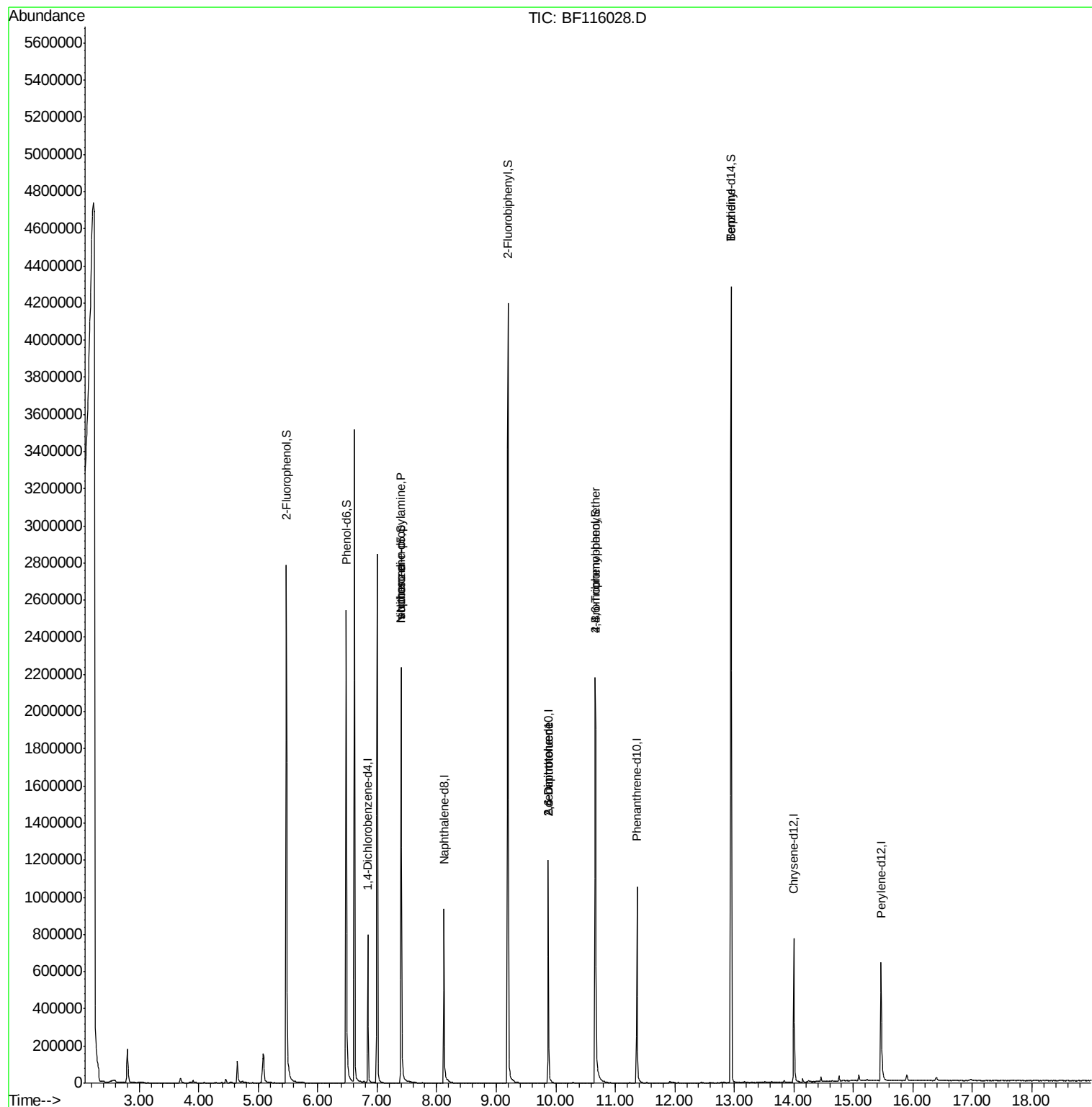
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	123268	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	473085	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	250468	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	441991	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	304131	20.00	ng	-0.03
87) Perylene-d12	15.46	264	354726	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	871477	118.35	ng	0.00
7) Phenol-d6	6.48	99	1007445	108.44	ng	0.00
23) Nitrobenzene-d5	7.40	82	817913	99.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	334631	137.80	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1389106	103.88	ng	-0.02
79) Terphenyl-d14	12.94	244	1540031	106.70	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	107166	18.615	ng	# 79
25) Isophorone	7.40	82	818104	52.203	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	31601	8.527	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	31601	6.404	ng	# 24
67) 4-Bromophenyl-phenylether	10.66	248	20479	4.328	ng	# 1
77) Benzidine	12.94	184	21006	2.044	ng	# 96

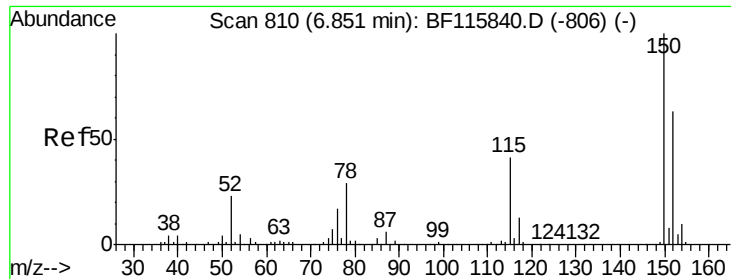
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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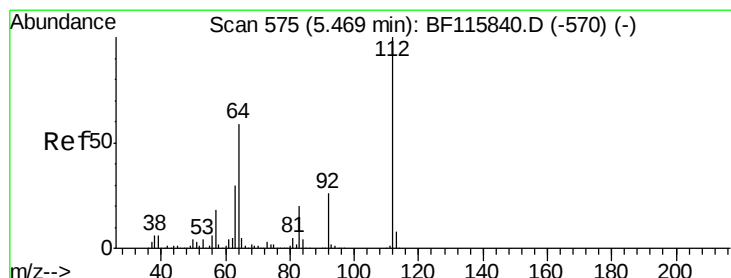
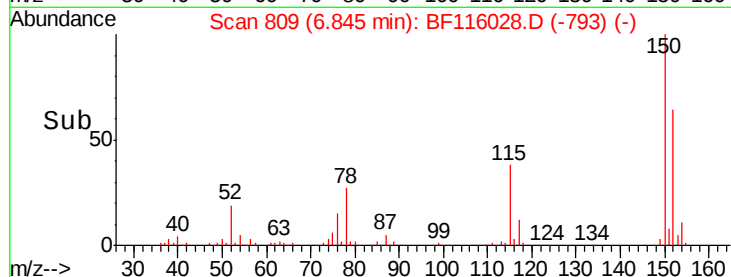
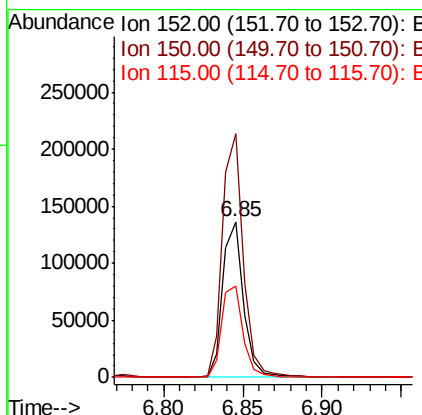
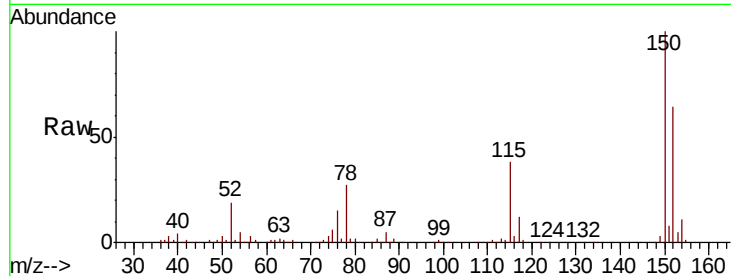


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Instrument :
 BNA_F
 ClientSampled :

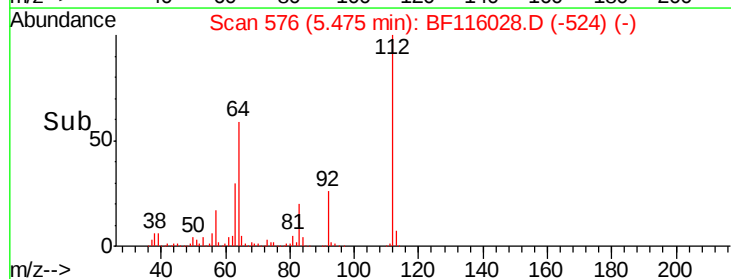
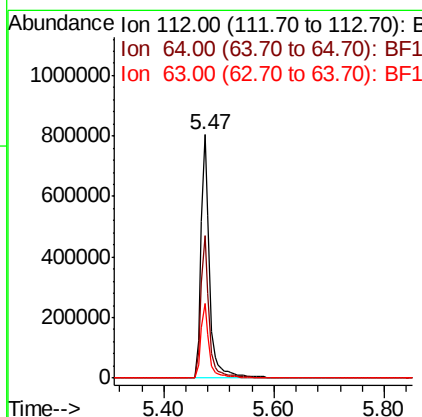
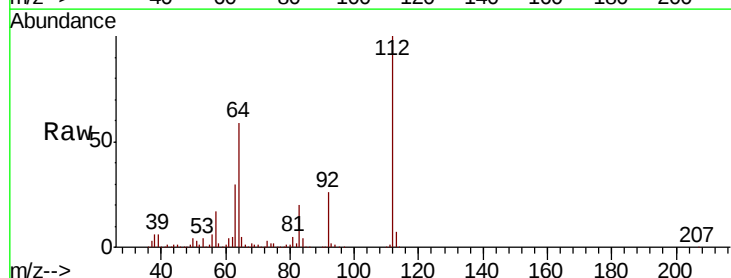
Tot Ion	152	Resp	123268
Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.4	191.0
115	58.8	51.8	77.8

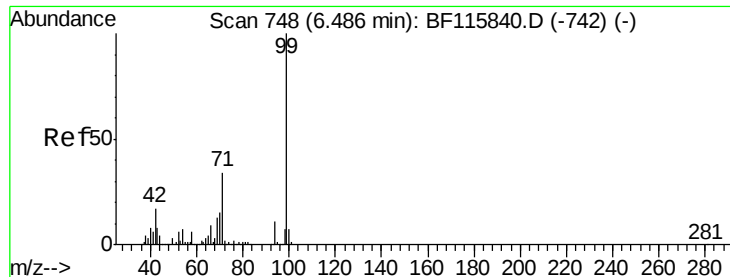


#5

2-Fluorophenol
 Concen: 118.352 ng
 RT: 5.47 min Scan# 576
 Delta R.T. 0.01 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Tgt Ion	112	Resp	871477
Ion	Ratio	Lower	Upper
112	100		
64	58.6	46.8	70.2
63	30.5	24.2	36.2





#7

Phenol-d6

Concen: 108.441 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116028.D

Acq: 6 Aug 2019 22:02

Instrument :

BNA_F

ClientSampleId :

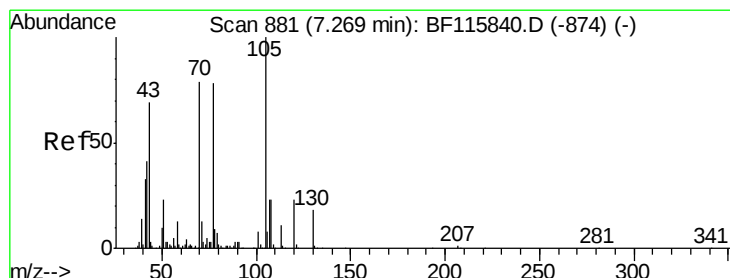
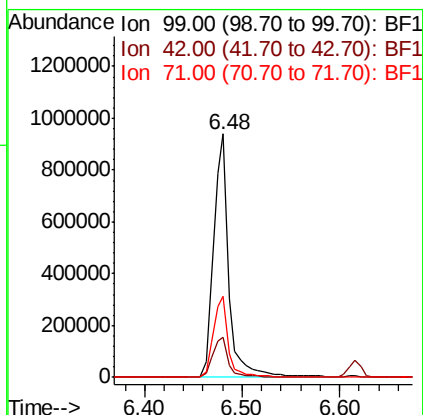
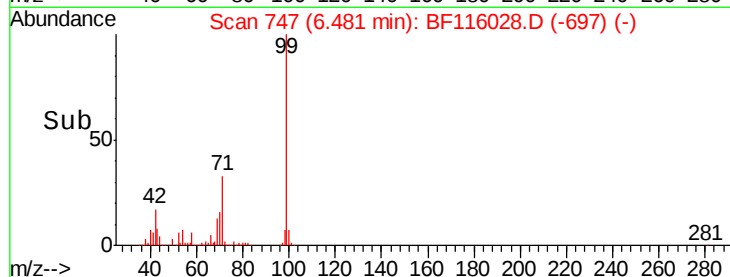
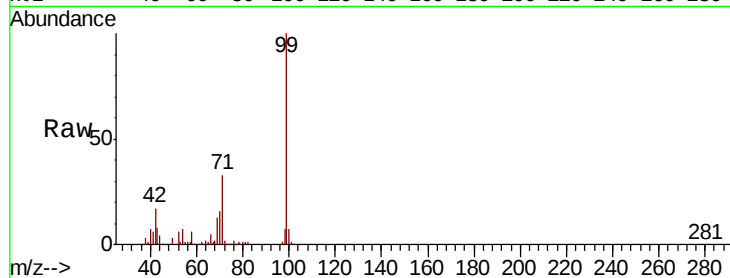
Tot Ion: 99 Resp: 1007445

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

71 33.2 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 18.615 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF116028.D

Acq: 6 Aug 2019 22:02

Tgt Ion: 70 Resp: 107166

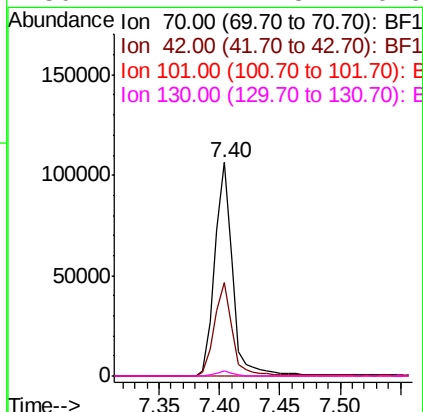
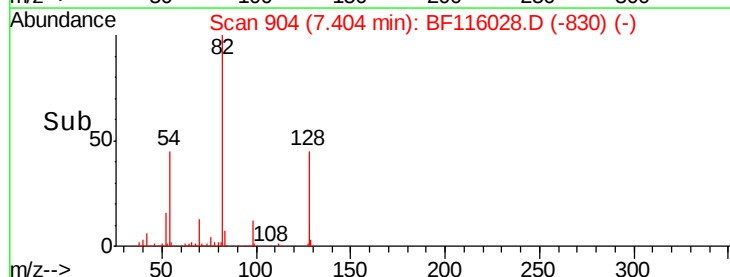
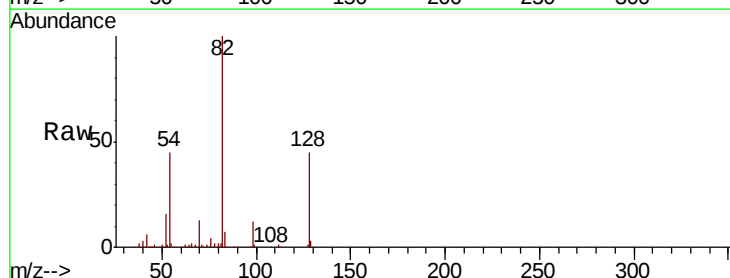
Ion Ratio Lower Upper

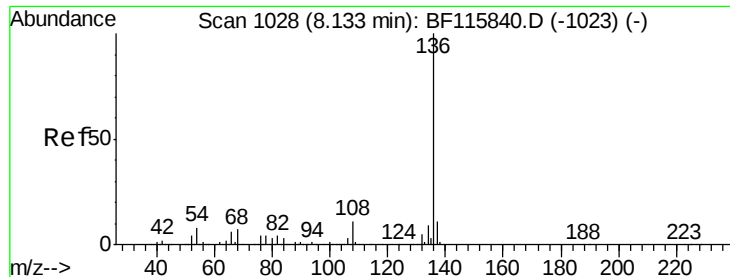
70 100

42 44.0 41.8 62.8

101 0.0 7.7 11.5#

130 2.4 17.8 26.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF116028.D

Acq: 6 Aug 2019 22:02

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 473085

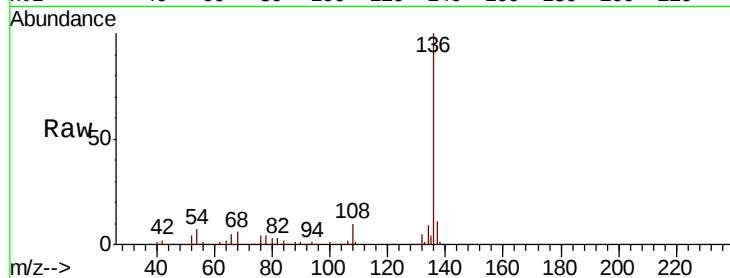
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.1 6.1 9.1

68 6.2 5.4 8.2

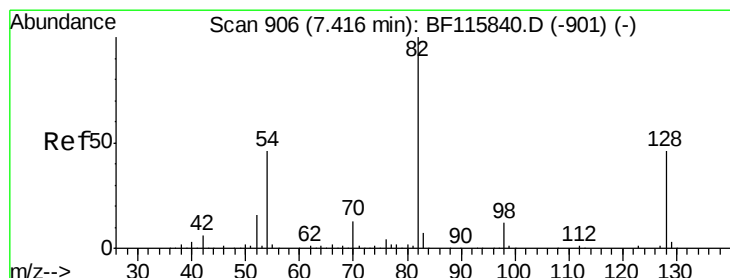
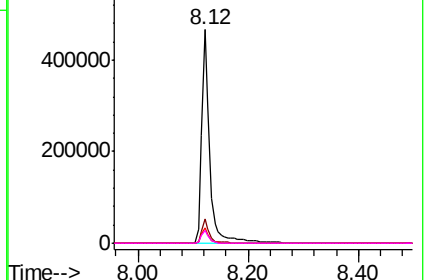
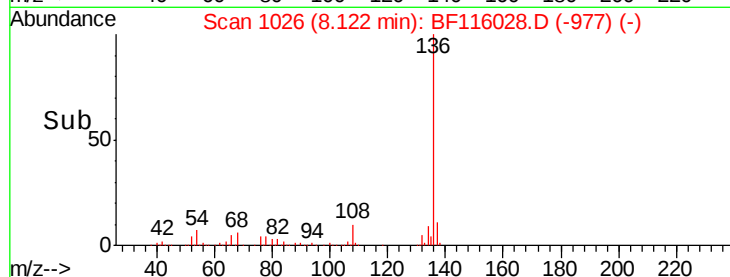


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.797 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116028.D

Acq: 6 Aug 2019 22:02

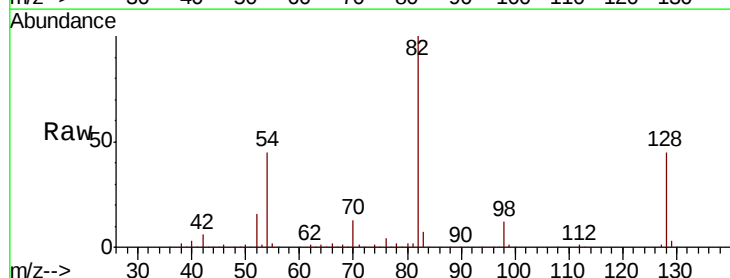
Tgt Ion: 82 Resp: 817913

Ion Ratio Lower Upper

82 100

128 44.5 36.6 55.0

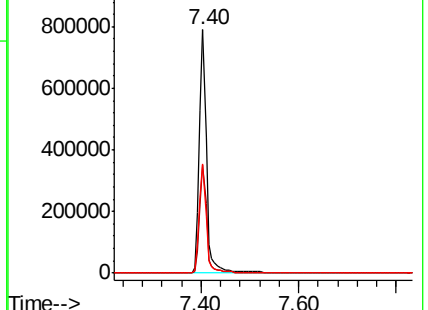
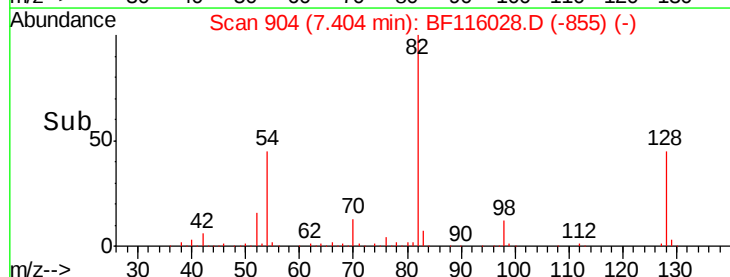
54 45.1 36.6 55.0

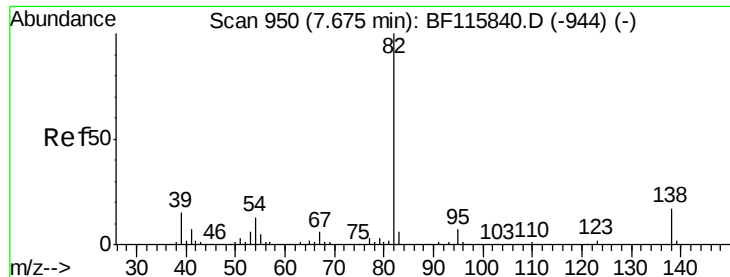


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 52.203 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF116028.D

Acq: 6 Aug 2019 22:02

Instrument :

BNA_F

ClientSampleId :

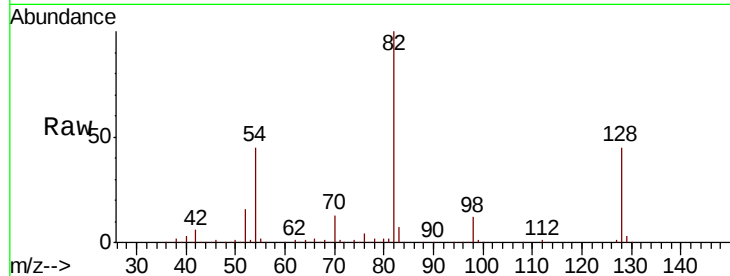
Tot Ion: 82 Resp: 818104

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

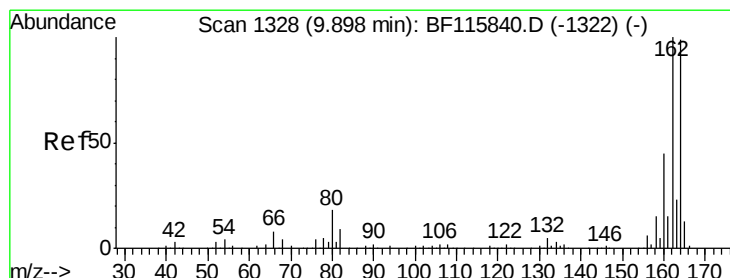
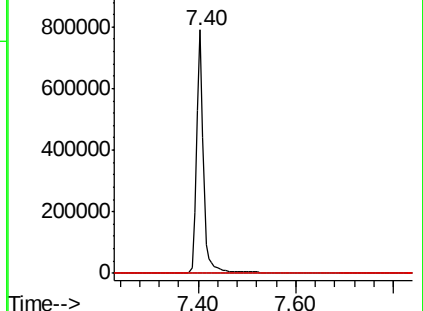
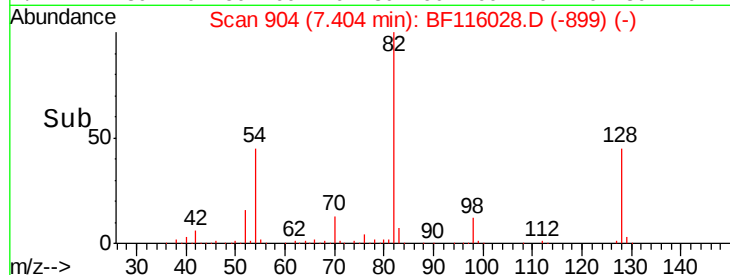
138 0.0 13.9 20.9#



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: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116028.D

Acq: 6 Aug 2019 22:02

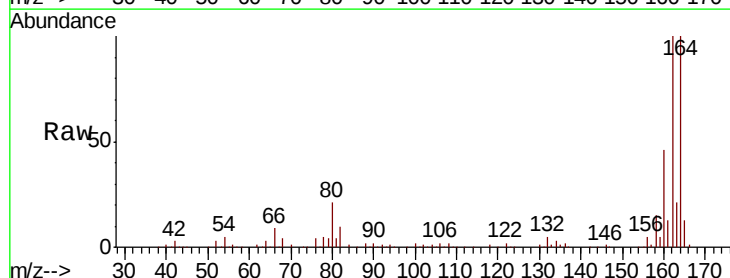
Tgt Ion: 164 Resp: 250468

Ion Ratio Lower Upper

164 100

162 100.1 80.8 121.2

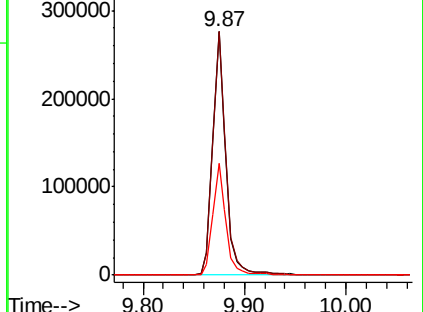
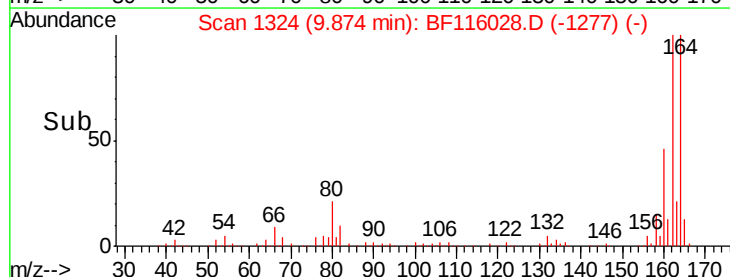
160 45.9 36.2 54.4

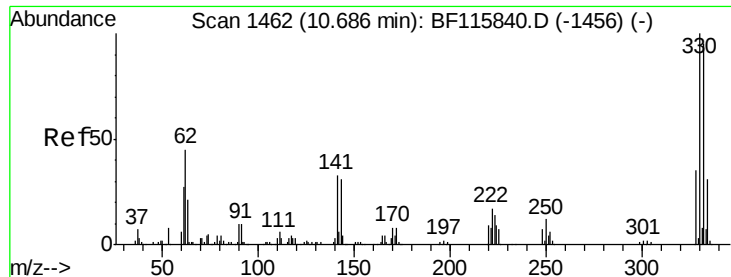


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 137.801 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116028.D

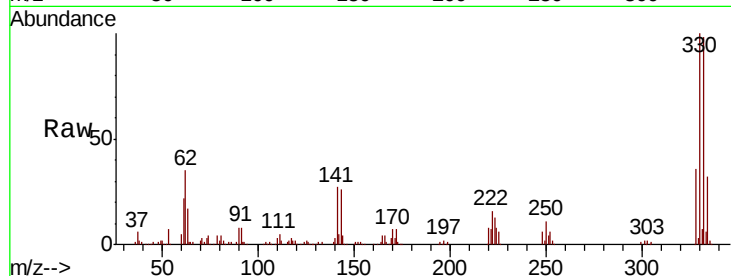
Acq: 6 Aug 2019 22:02

Instrument :

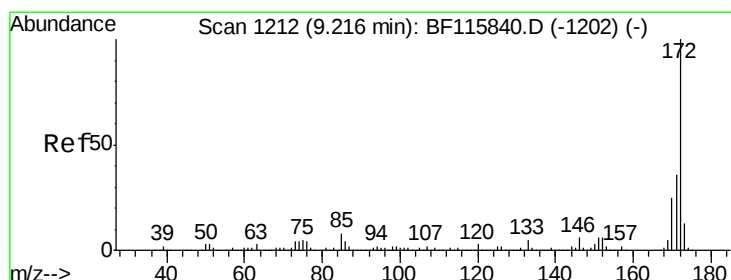
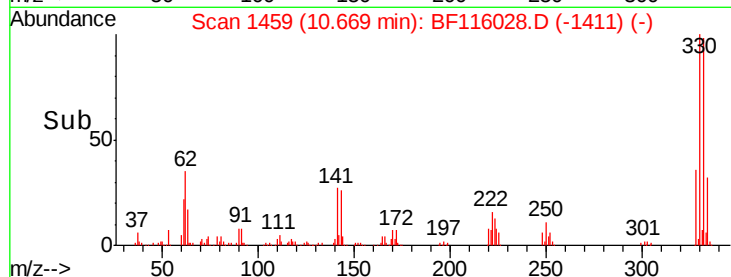
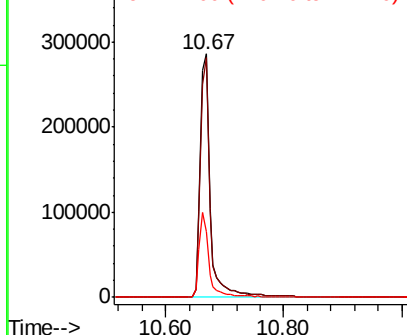
BNA_F

ClientSampleId :

Tot Ion:	330	Resp:	334631
Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.7	116.5
141	34.6	28.1	42.1



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: 103.881 ng

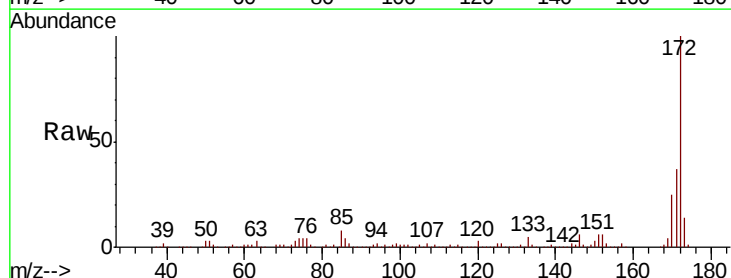
RT: 9.20 min Scan# 1209

Delta R.T. -0.02 min

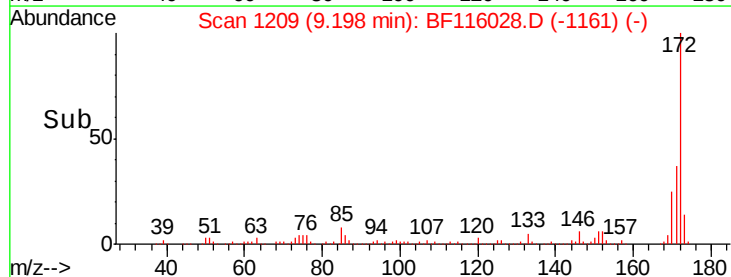
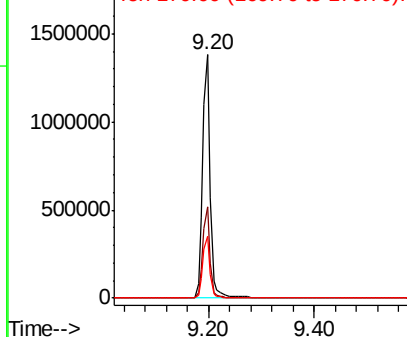
Lab File: BF116028.D

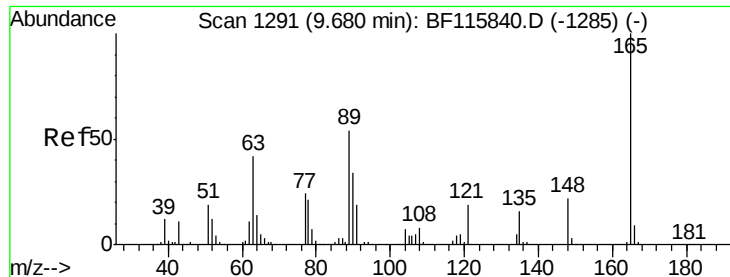
Acq: 6 Aug 2019 22:02

Tgt Ion:	172	Resp:	1389106
Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.1	43.7
170	25.3	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

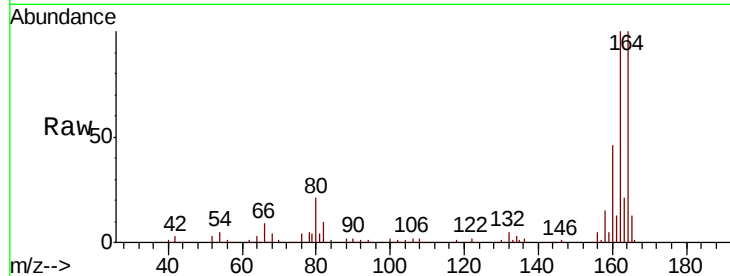




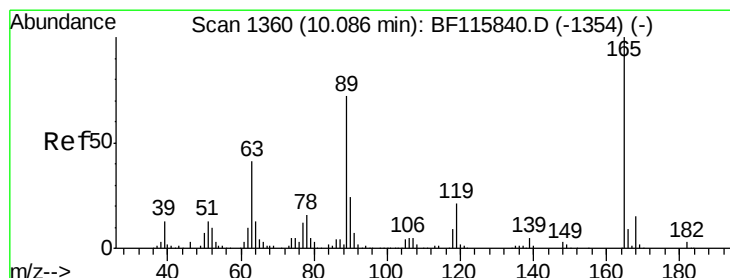
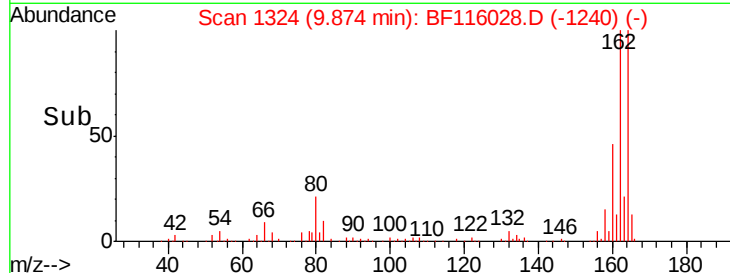
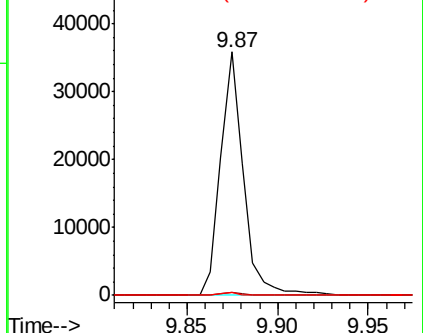
#51
 2,6-Dinitrotoluene
 Concen: 8.527 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	39.4	59.2#
89	1.4	43.0	64.6#

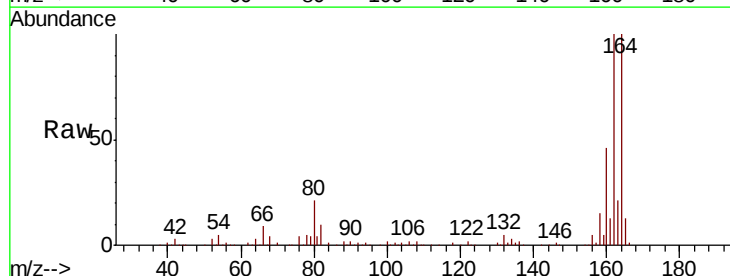


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

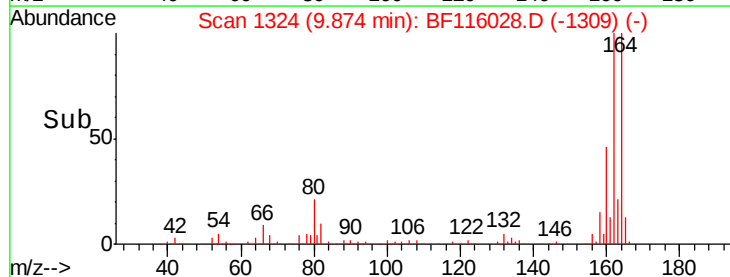
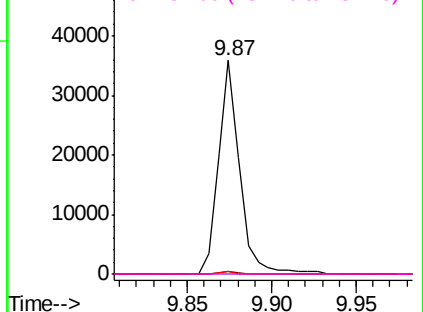


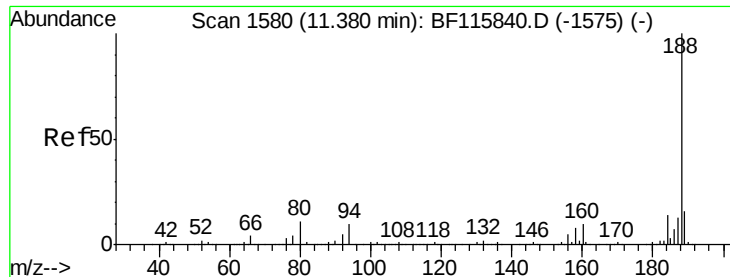
#57
 2,4-Dinitrotoluene
 Concen: 6.404 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.2	49.8#
89	1.4	57.3	85.9#
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

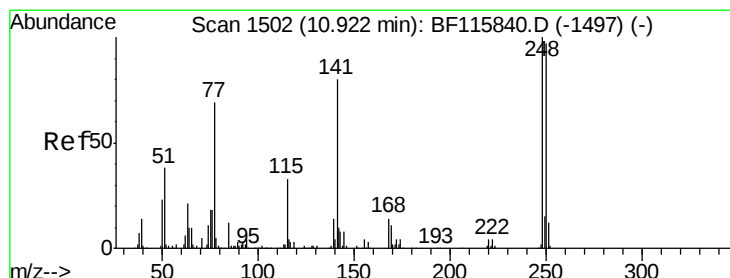
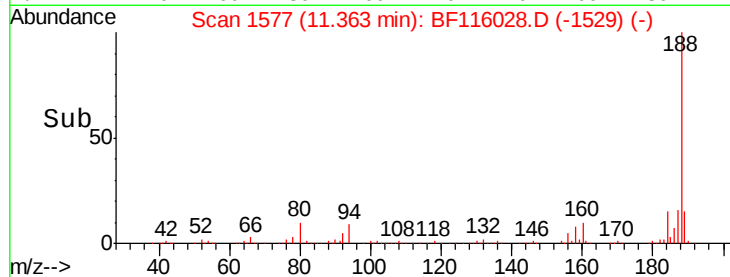
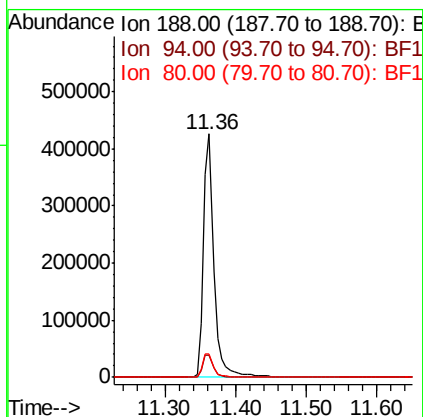
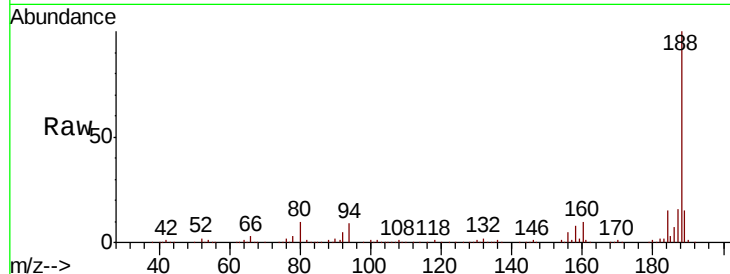




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

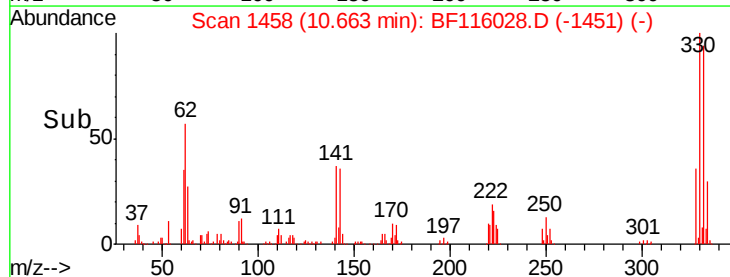
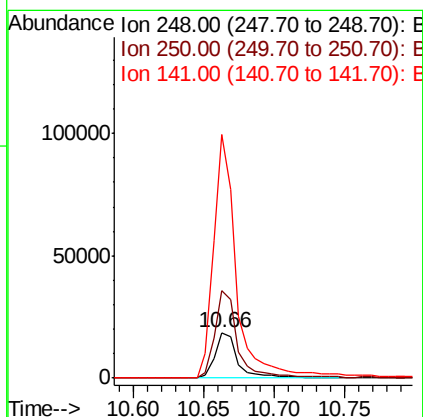
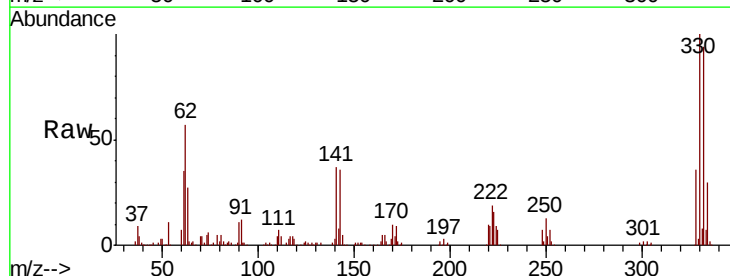
Instrument :
 BNA_F
 ClientSampleId :

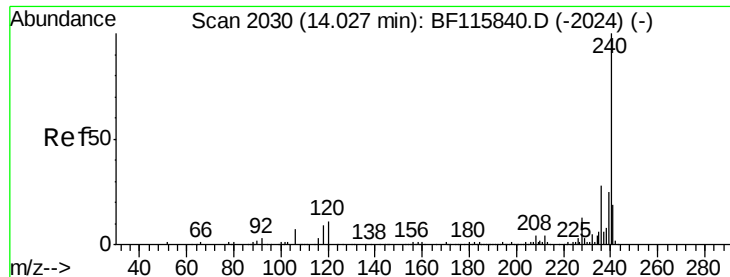
Tot Ion:188 Resp: 441991
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.0 12.0
 80 9.8 8.6 12.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.328 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.26 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Tgt Ion:248 Resp: 20479
 Ion Ratio Lower Upper
 248 100
 250 192.2 77.8 116.6#
 141 536.3 64.3 96.5#

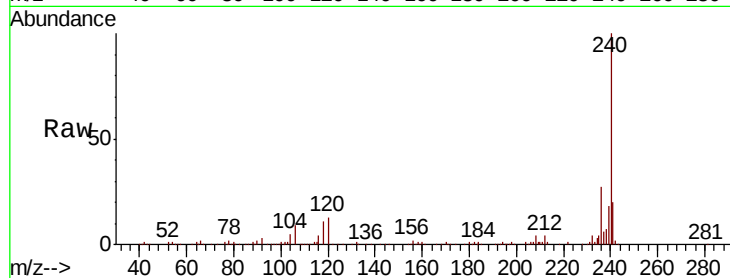




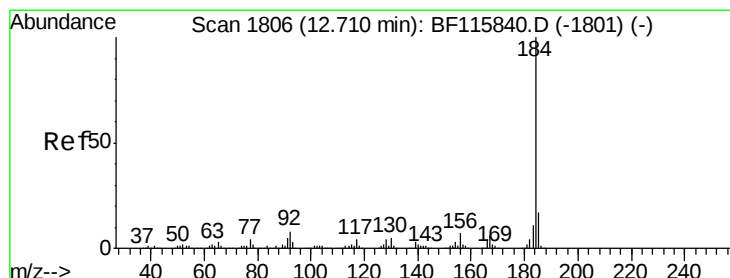
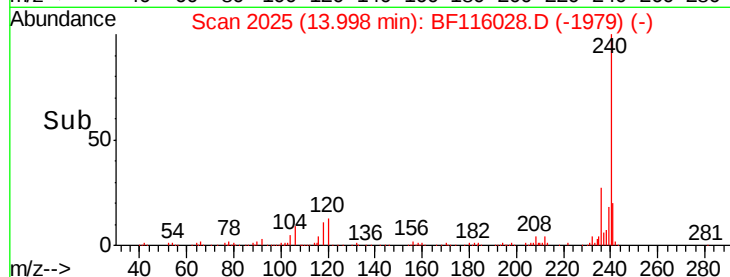
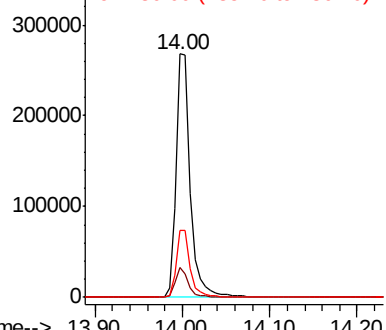
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.03 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 304131
Ion Ratio Lower Upper
240 100
120 12.5 8.5 12.7
236 27.3 22.2 33.2

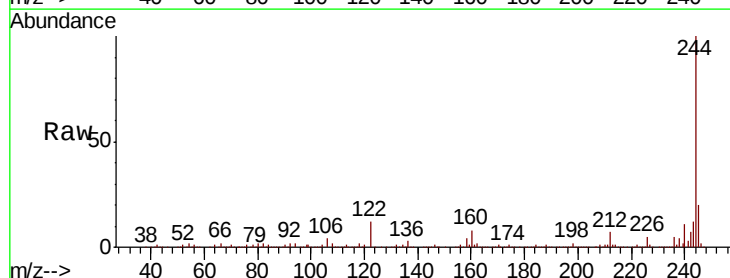


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

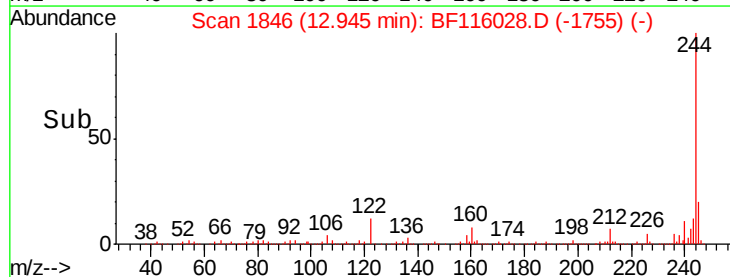
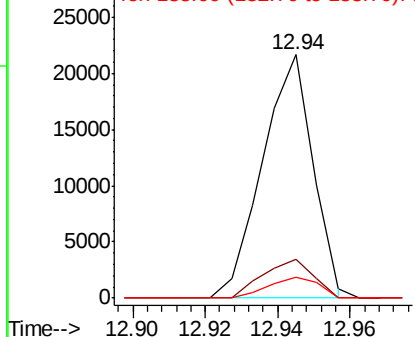


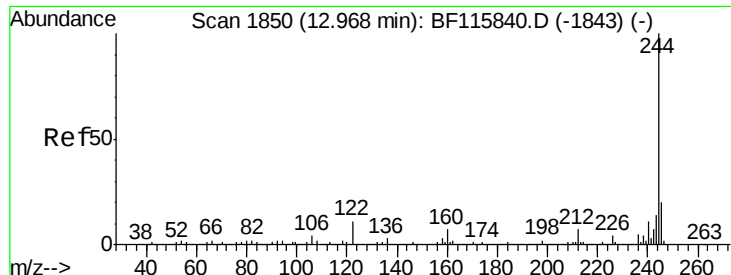
#77
Benzidine
Concen: 2.044 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.24 min
Lab File: BF116028.D
Acq: 6 Aug 2019 22:02

Tgt Ion:184 Resp: 21006
Ion Ratio Lower Upper
184 100
185 16.0 13.4 20.2
183 8.7 9.1 13.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



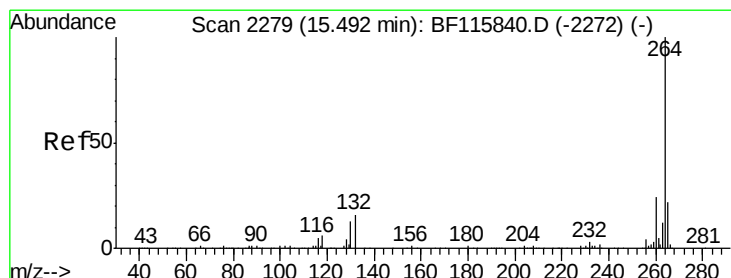
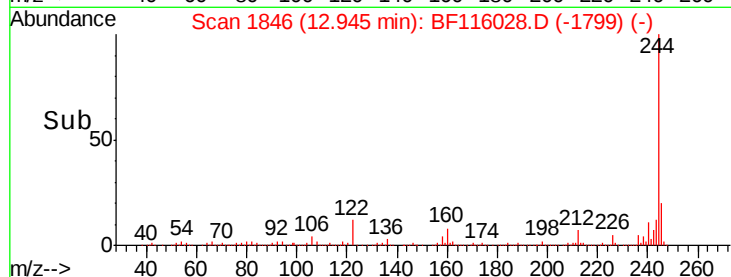
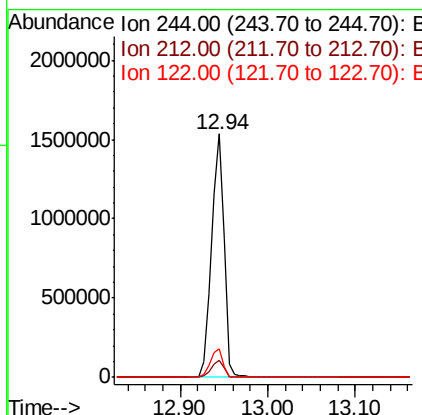
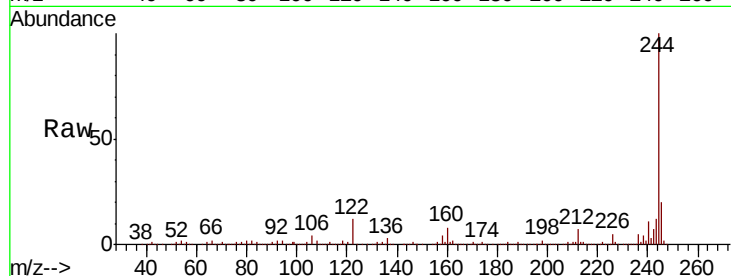


#79
 Terphenyl-d14
 Concen: 106.701 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1540031

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.7	8.6	13.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.03 min
 Lab File: BF116028.D
 Acq: 6 Aug 2019 22:02

Tgt Ion:264 Resp: 354726

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	20.6	17.5	26.3

