

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080619\
 Data File : BF116020.D
 Acq On : 6 Aug 2019 18:28
 Operator : HP/JU
 Sample : K4135-26
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 07 01:17:06 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

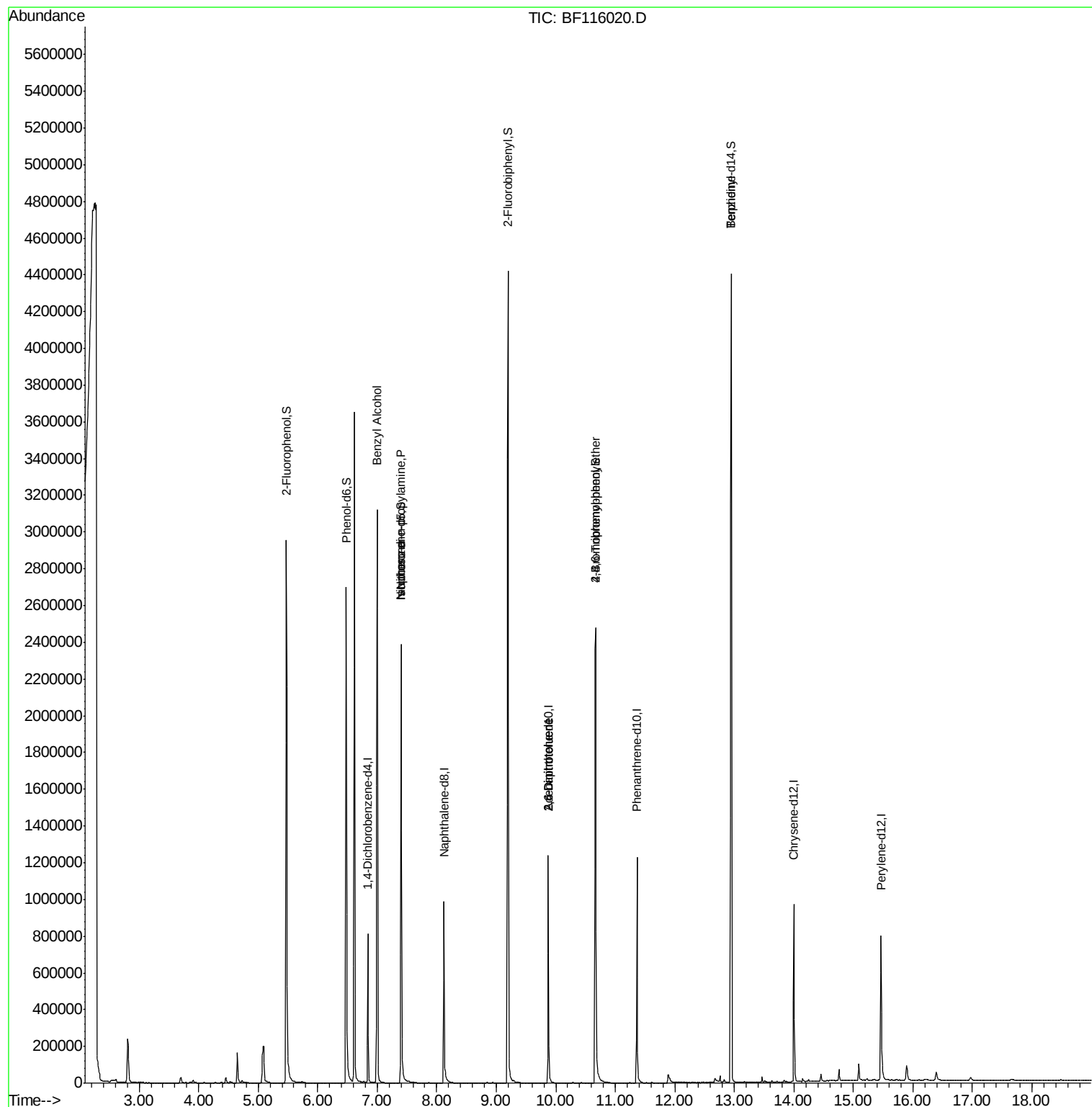
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	125847	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	482684	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	261548	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	470955	20.00	ng	-0.02
76) Chrysene-d12	14.00	240	361002	20.00	ng	-0.03
87) Perylene-d12	15.46	264	385170	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	932898	124.10	ng	0.00
7) Phenol-d6	6.48	99	1071417	112.96	ng	0.00
23) Nitrobenzene-d5	7.40	82	875671	104.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	381270	150.36	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1483574	106.25	ng	-0.02
79) Terphenyl-d14	12.95	244	1767350	103.16	ng	-0.02
Target Compounds						
15) Benzyl Alcohol	7.00	79	14442	2.006	ng	# 47
19) n-Nitroso-di-n-propylamine	7.40	70	114755	19.525	ng	# 78
25) Isophorone	7.40	82	875664	54.765	ng	# 66
51) 2,6-Dinitrotoluene	9.87	165	32734	8.458	ng	# 28
57) 2,4-Dinitrotoluene	9.87	165	32735	6.353	ng	# 24
67) 4-Bromophenyl-phenylether	10.67	248	23432	4.648	ng	# 1
77) Benzidine	12.95	184	24472	2.007	ng	# 95

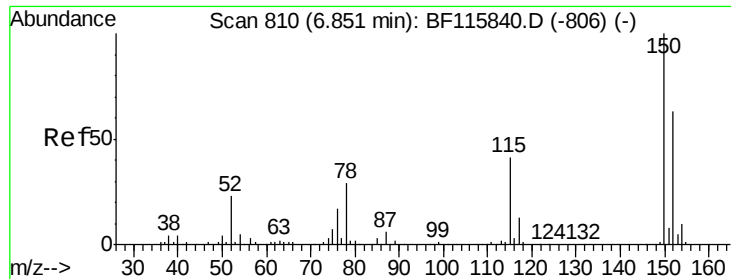
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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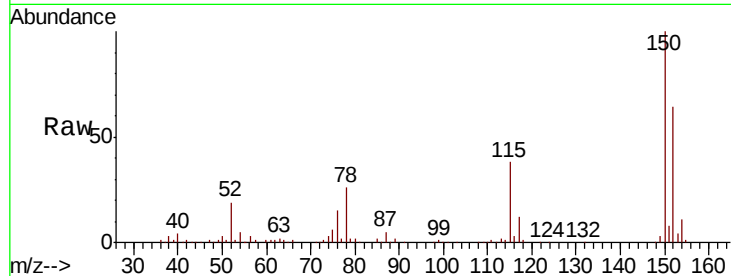


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.4	191.0
115	59.2	51.8	77.8

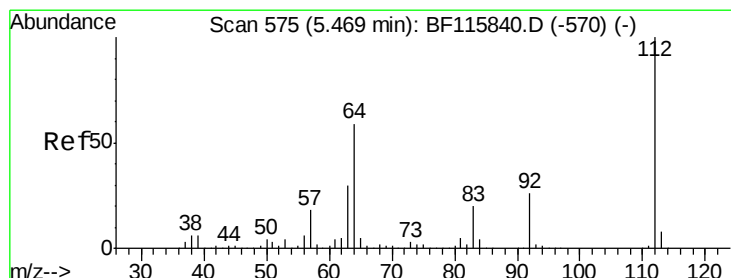
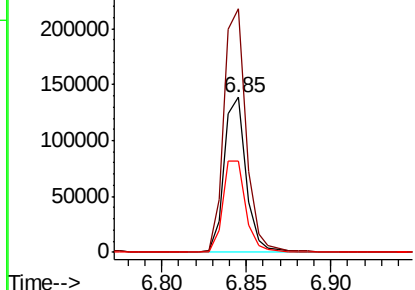
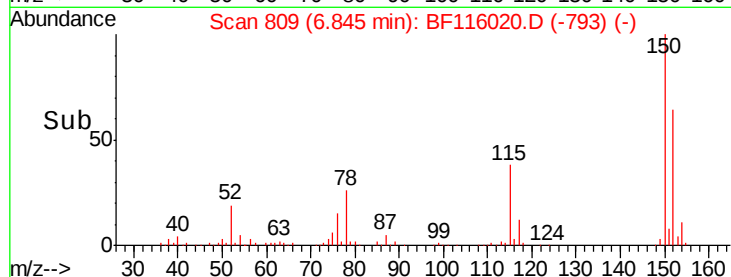


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

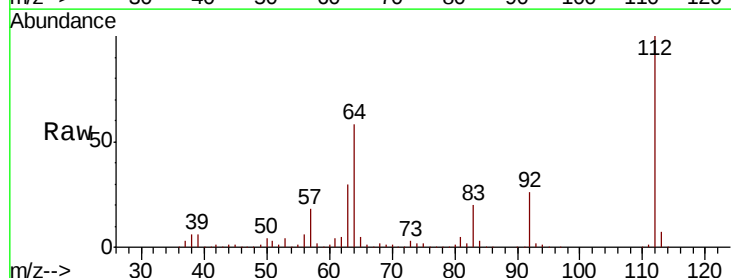
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 124.097 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.8	70.2
63	30.4	24.2	36.2

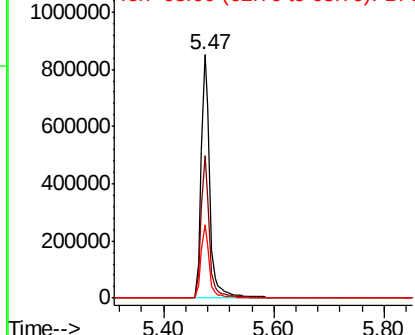
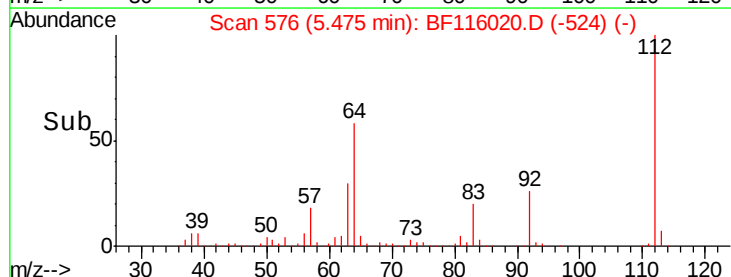


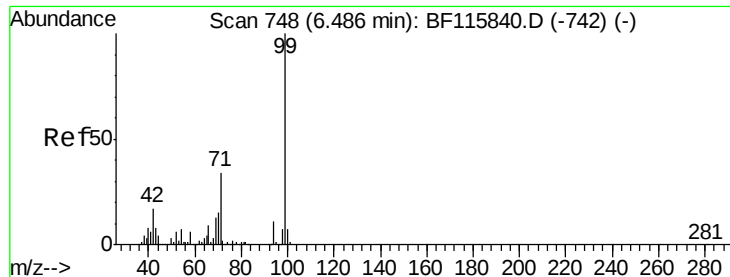
Abundance

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: 112.964 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA_F

ClientSampled :

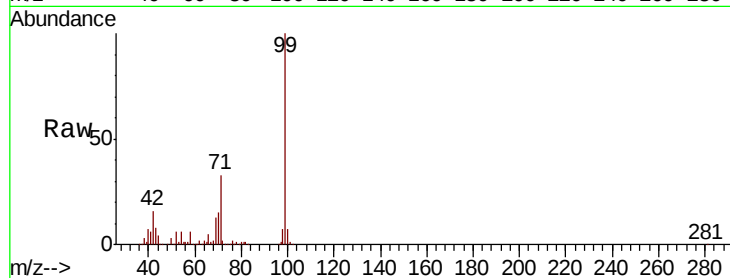
Tot Ion: 99 Resp: 1071417

Ion Ratio Lower Upper

99 100

42 16.3 13.8 20.6

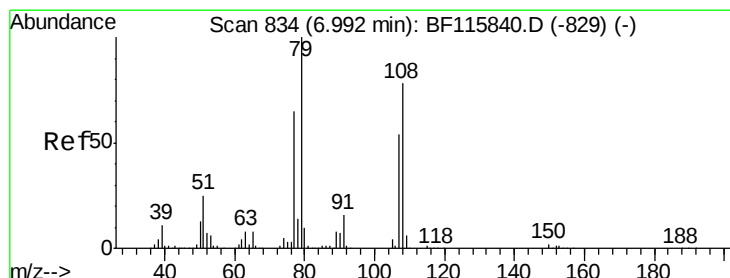
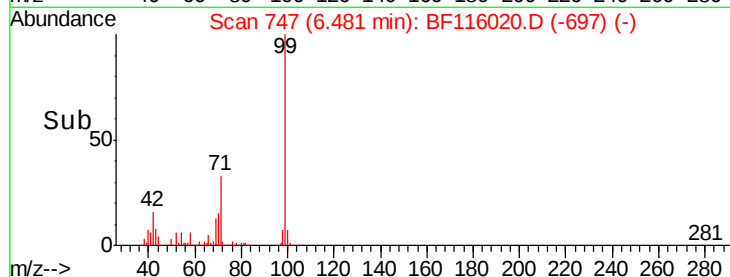
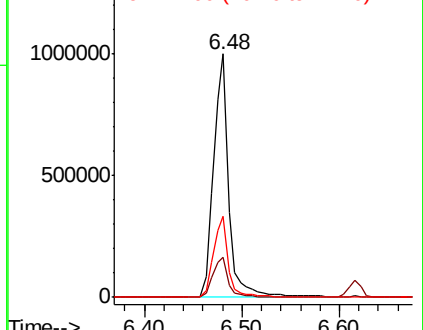
71 33.3 27.1 40.7



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



#15

Benzyl Alcohol

Concen: 2.006 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

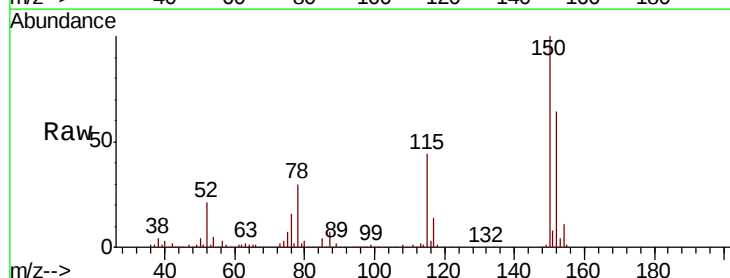
Tgt Ion: 79 Resp: 14442

Ion Ratio Lower Upper

79 100

108 32.1 62.8 94.2#

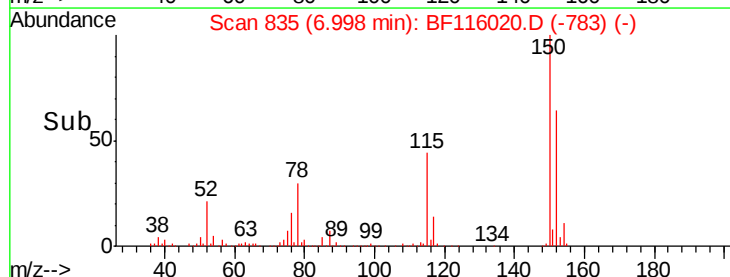
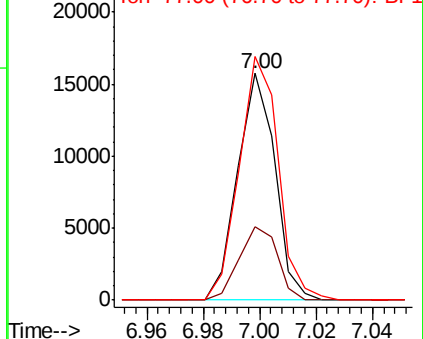
77 107.4 52.0 78.0#

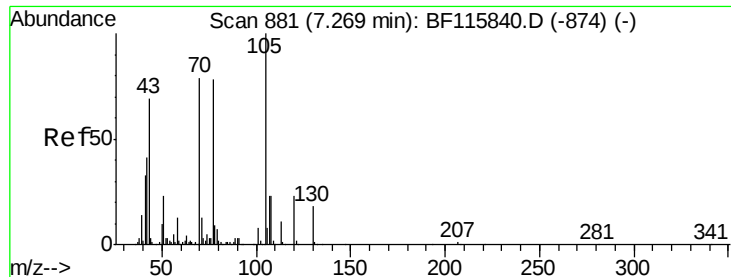


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

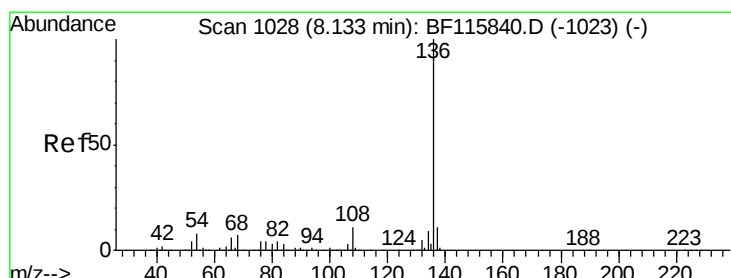
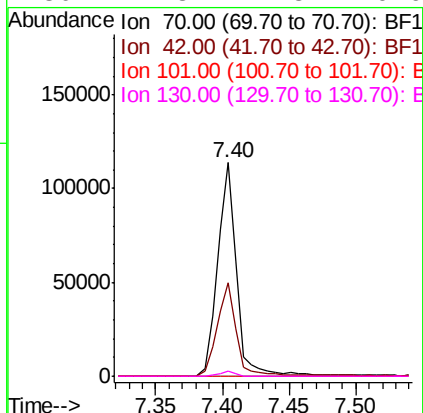
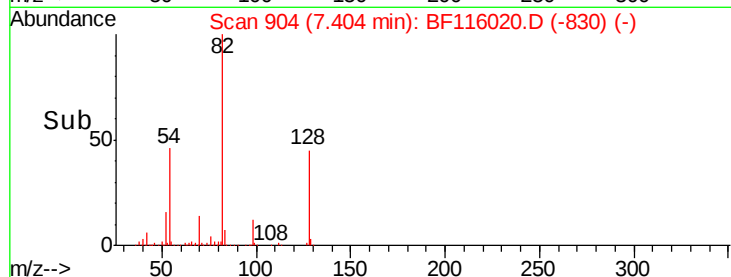
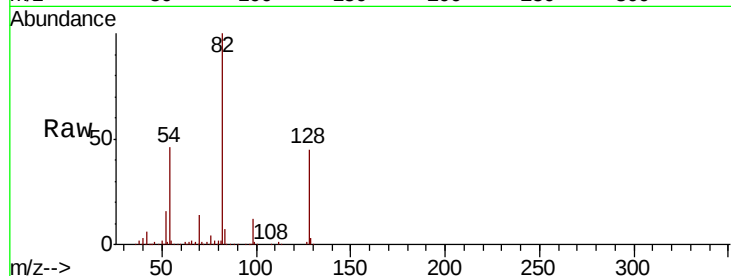




#19
n-Nitroso-di-n-propylamine
Concen: 19.525 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

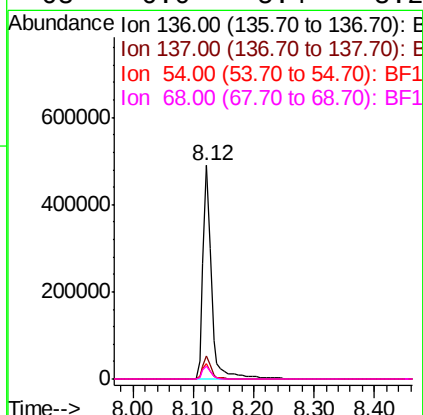
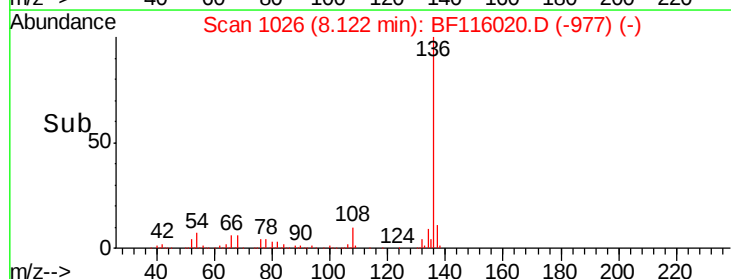
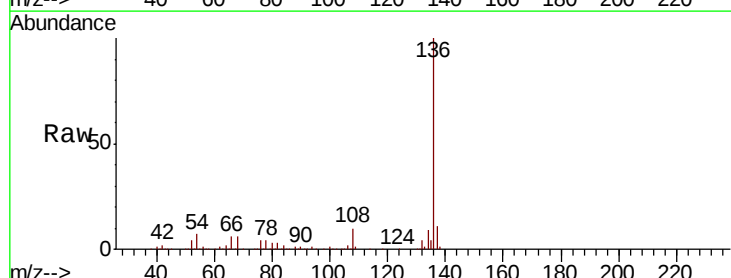
Instrument :
BNA_F
ClientSampleId :

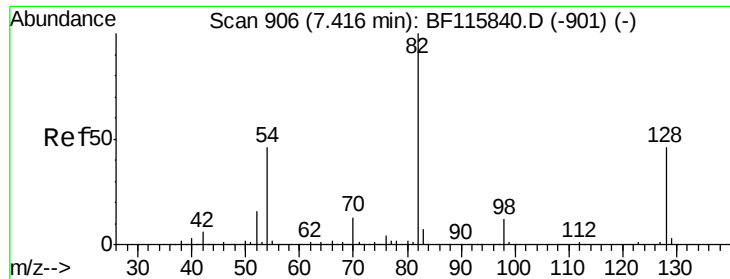
Tot Ion: 70 Resp: 114755
Ion Ratio Lower Upper
70 100
42 43.5 41.8 62.8
101 0.0 7.7 11.5#
130 2.3 17.8 26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

Tgt Ion: 136 Resp: 482684
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 7.1 6.1 9.1
68 6.0 5.4 8.2

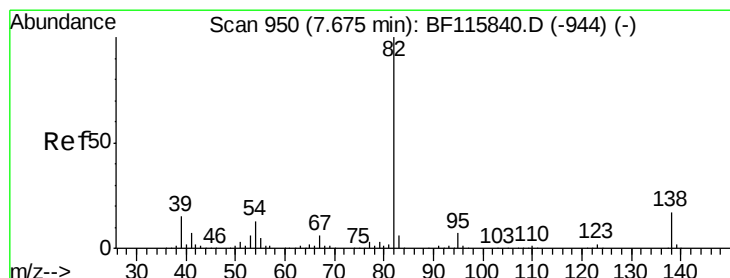
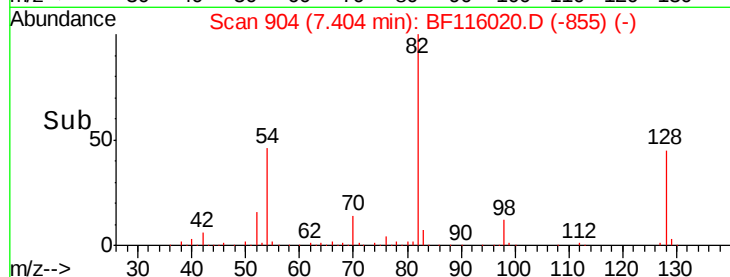
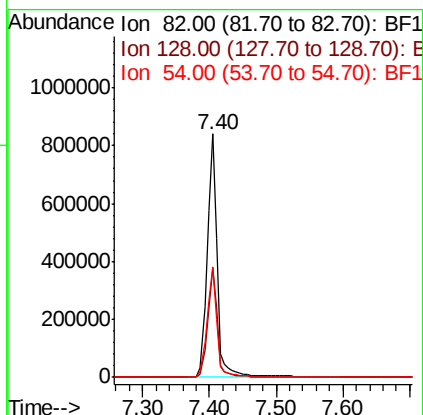
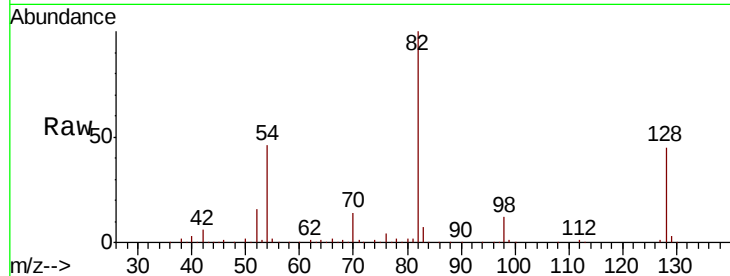




#23
Nitrobenzene-d5
Concen: 104.720 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

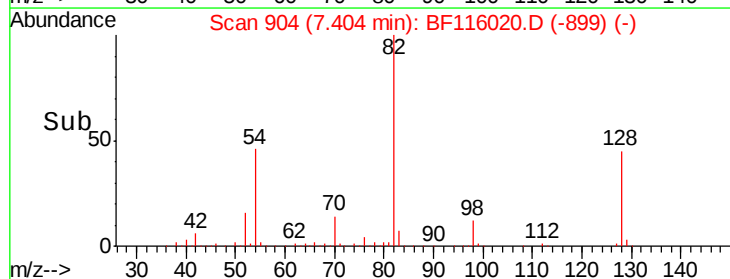
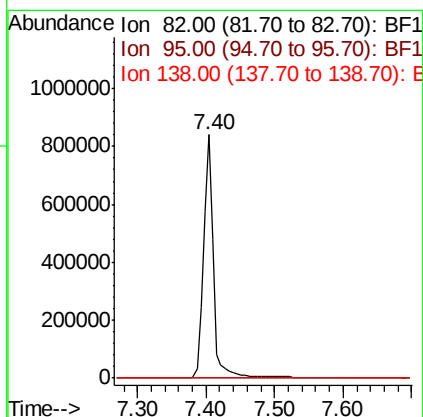
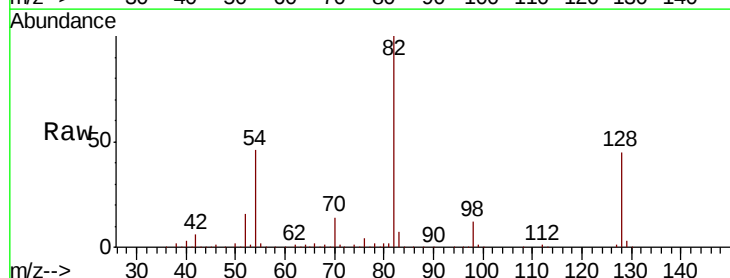
Instrument :
BNA_F
ClientSampleId :

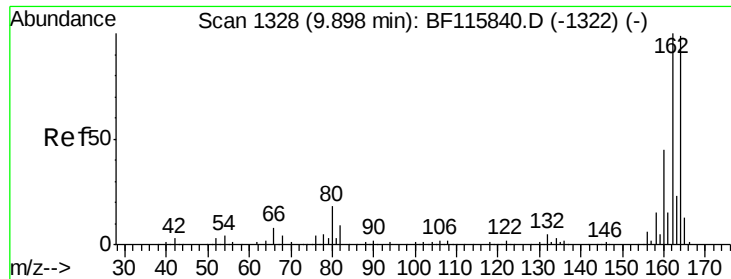
Tot Ion: 82 Resp: 875671
Ion Ratio Lower Upper
82 100
128 45.0 36.6 55.0
54 45.6 36.6 55.0



#25
Isophorone
Concen: 54.765 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

Tgt Ion: 82 Resp: 875664
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA_F

ClientSampleId :

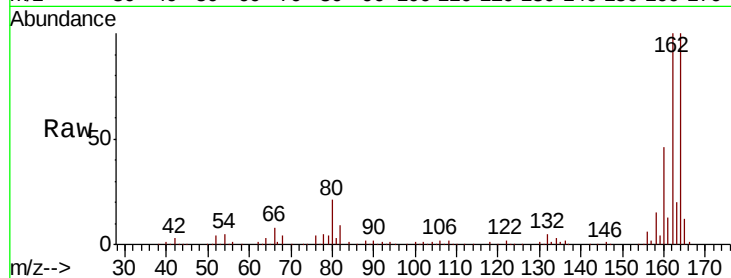
Tot Ion:164 Resp: 261548

Ion Ratio Lower Upper

164 100

162 99.6 80.8 121.2

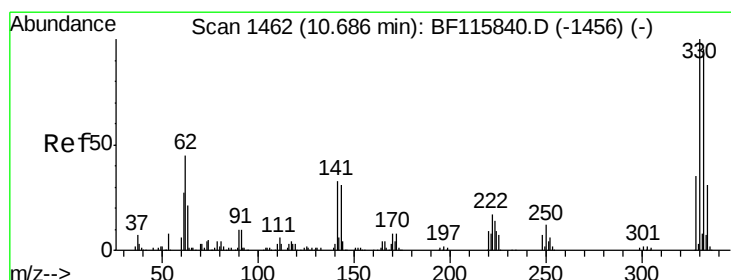
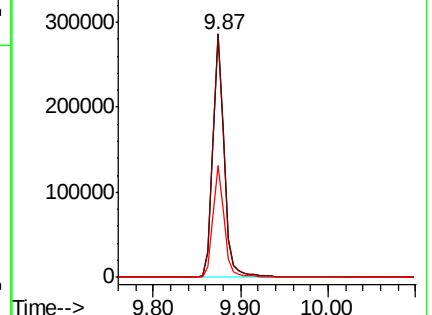
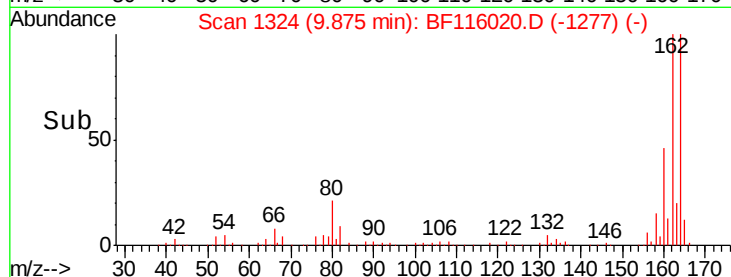
160 46.0 36.2 54.4



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: 150.356 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

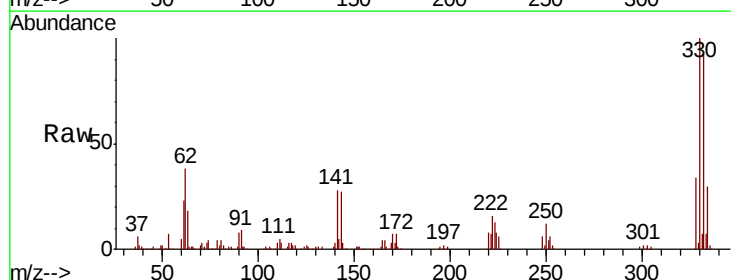
Tgt Ion:330 Resp: 381270

Ion Ratio Lower Upper

330 100

332 94.0 77.7 116.5

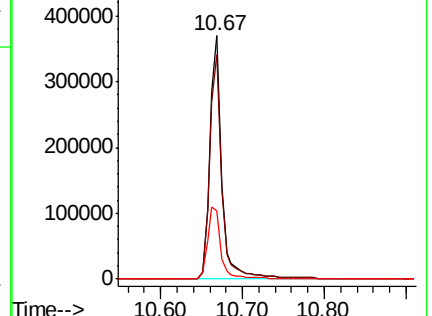
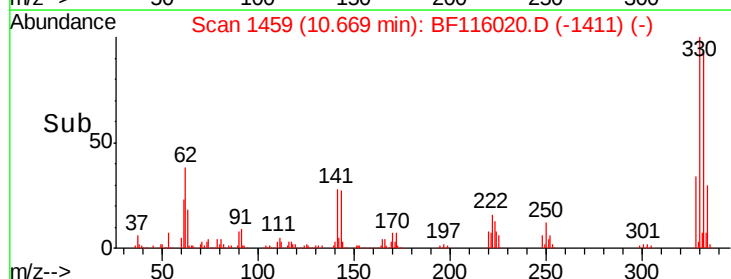
141 33.7 28.1 42.1

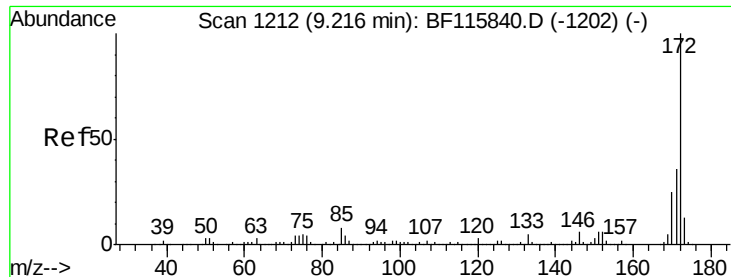


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



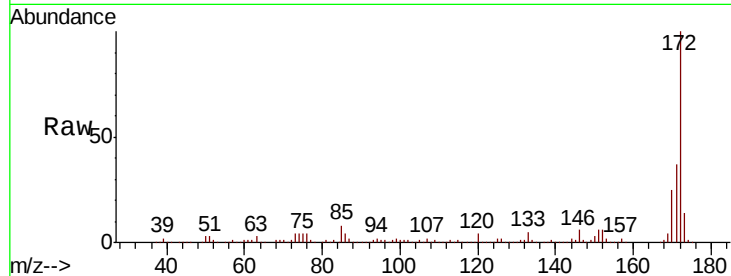


#45
 2-Fluorobiphenyl
 Concen: 106.246 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF116020.D
 Acq: 6 Aug 2019 18:28

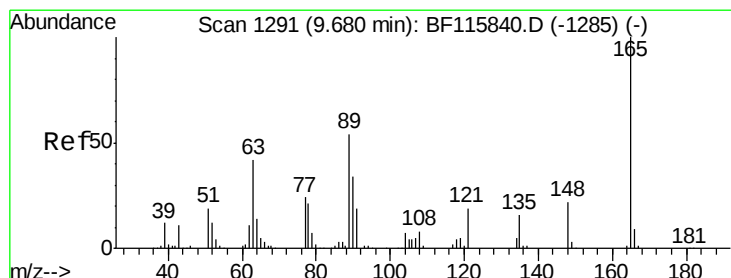
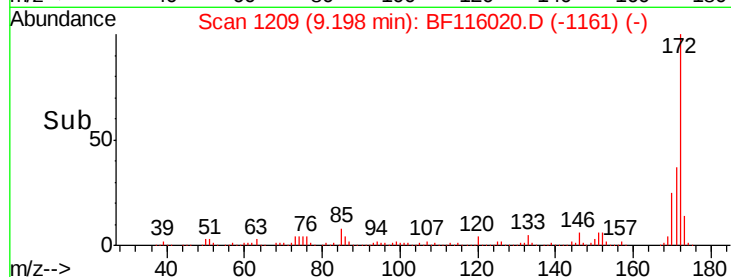
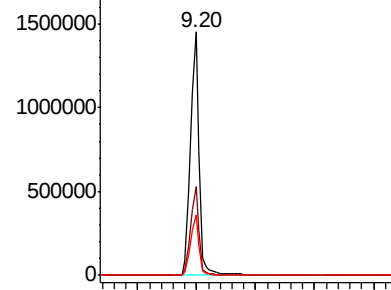
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1483574

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.1	43.7
170	25.1	20.1	30.1



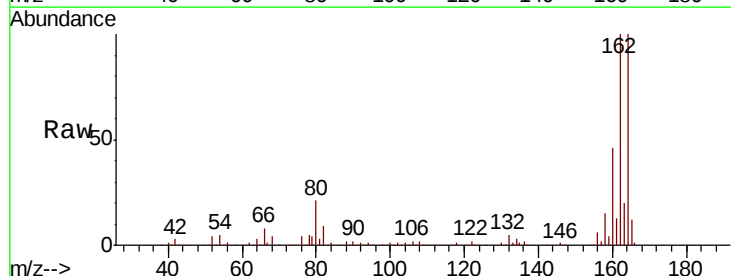
Abundance Ion 172.00 (171.70 to 172.70): E
 2000000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



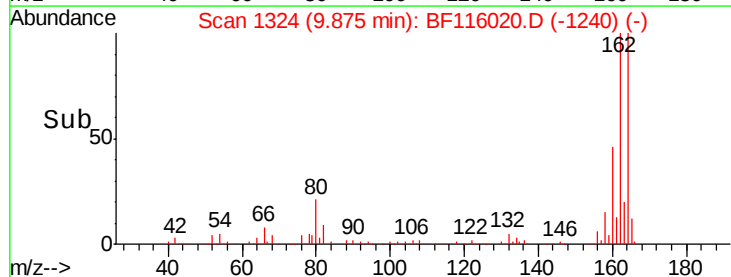
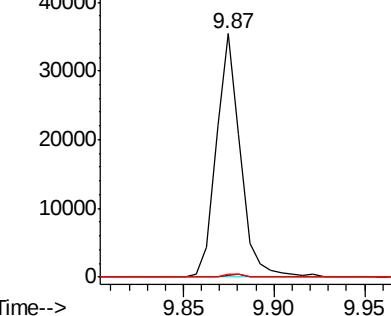
#51
 2,6-Dinitrotoluene
 Concen: 8.458 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. 0.19 min
 Lab File: BF116020.D
 Acq: 6 Aug 2019 18:28

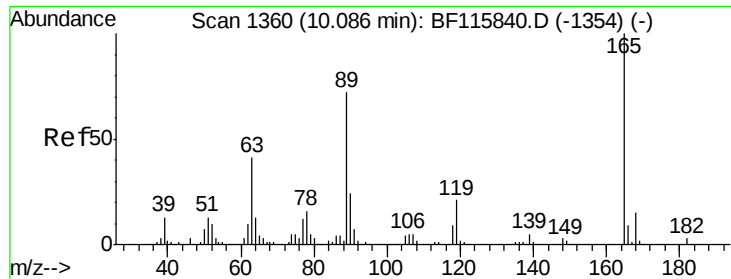
Tgt Ion:165 Resp: 32734

Ion	Ratio	Lower	Upper
165	100		
63	0.9	39.4	59.2#
89	1.4	43.0	64.6#



Abundance Ion 165.00 (164.70 to 165.70): E
 40000
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

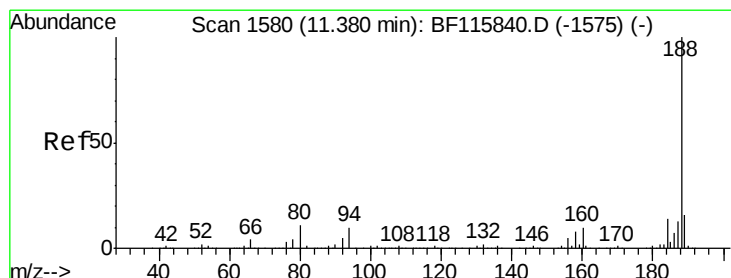
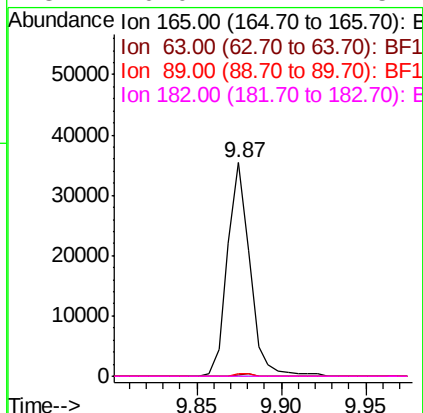
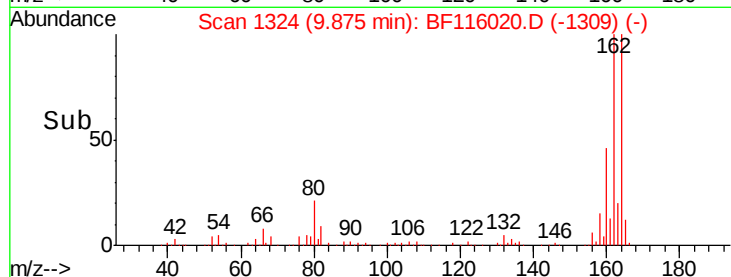
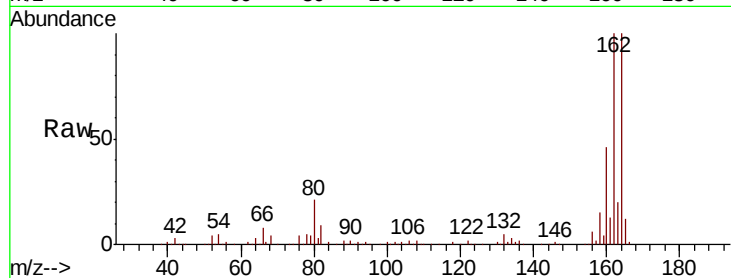




#57
 2,4-Dinitrotoluene
 Concen: 6.353 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.21 min
 Lab File: BF116020.D
 Acq: 6 Aug 2019 18:28

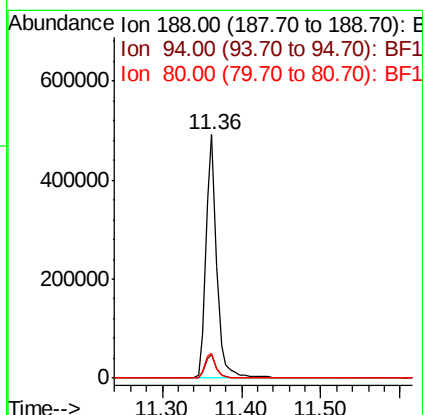
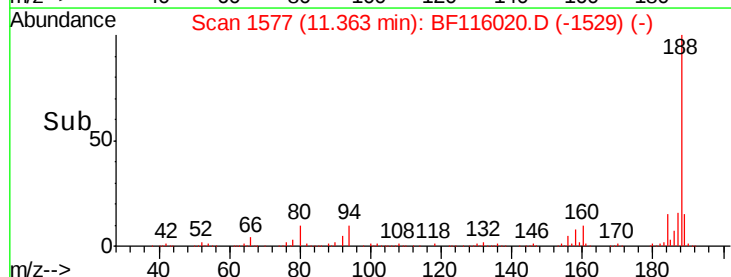
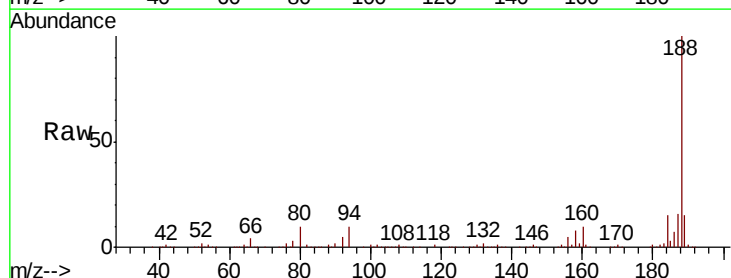
Instrument :
 BNA_F
 ClientSampled :

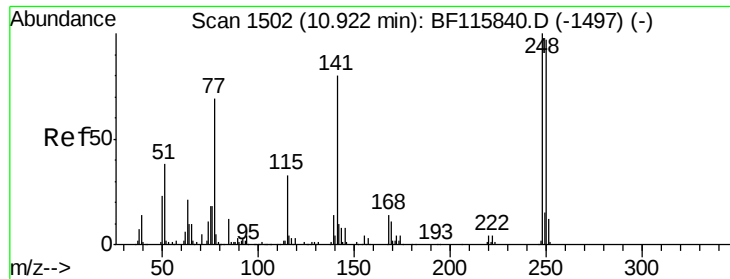
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	33.2	49.8#
89	1.4	57.3	85.9#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF116020.D
 Acq: 6 Aug 2019 18:28

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	10.0	8.6	12.8

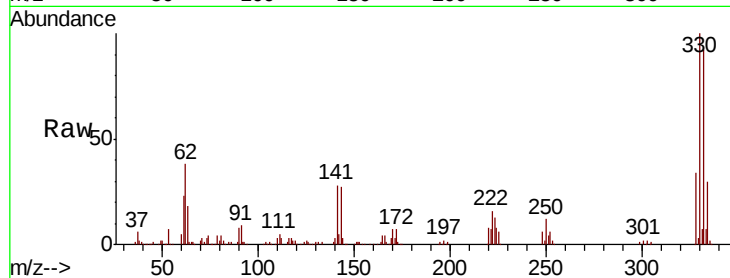




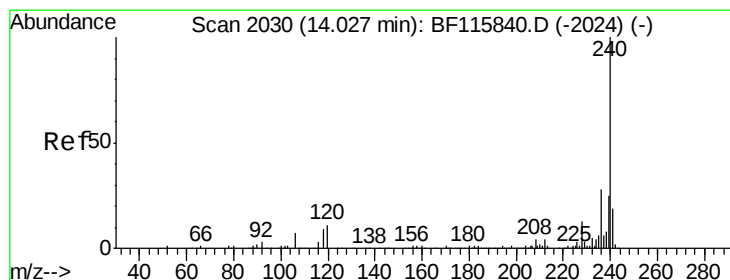
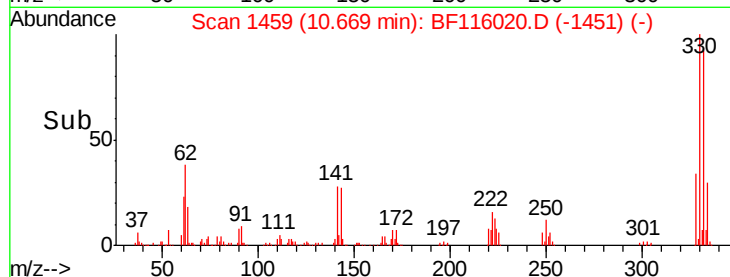
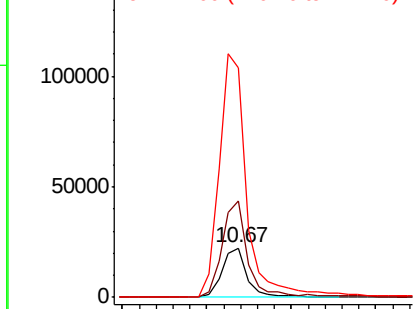
#67
 4-Bromophenyl-phenylether
 Concen: 4.648 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF116020.D
 Acq: 6 Aug 2019 18:28

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 23432
 Ion Ratio Lower Upper
 248 100
 250 196.0 77.8 116.6#
 141 466.9 64.3 96.5#

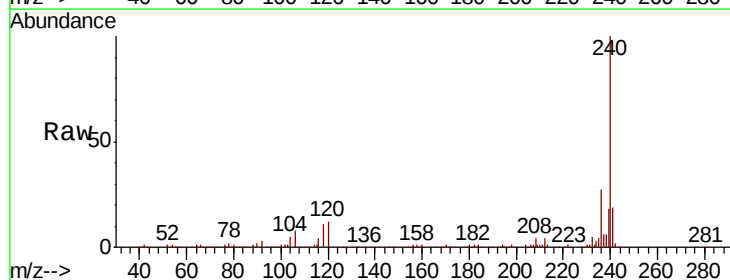


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

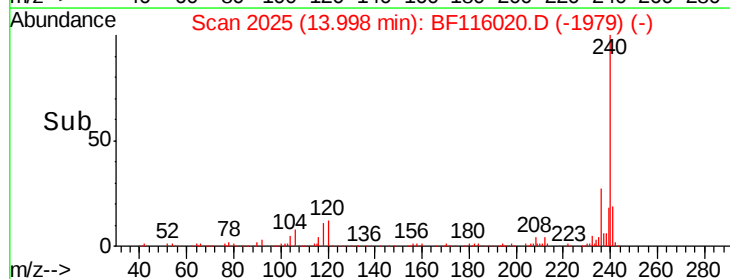
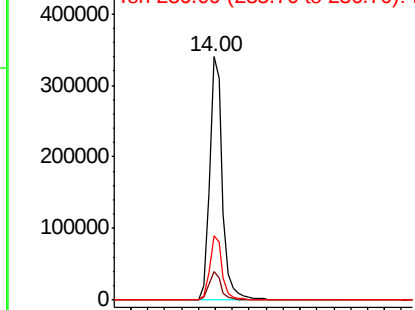


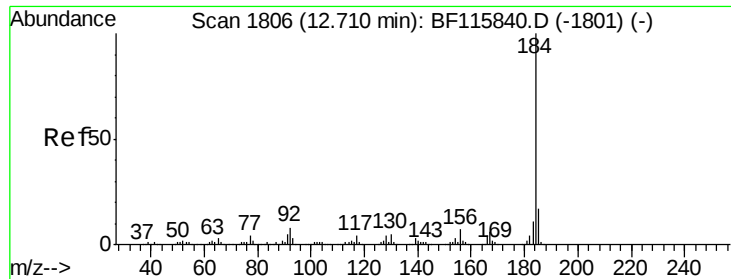
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.03 min
 Lab File: BF116020.D
 Acq: 6 Aug 2019 18:28

Tgt Ion:240 Resp: 361002
 Ion Ratio Lower Upper
 240 100
 120 12.0 8.5 12.7
 236 26.7 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: 2.007 ng

RT: 12.95 min Scan# 1846

Delta R.T. 0.24 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

Instrument :

BNA_F

ClientSampleId :

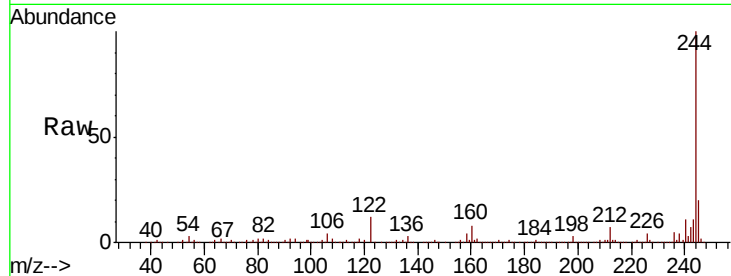
Tot Ion:184 Resp: 24472

Ion Ratio Lower Upper

184 100

185 16.3 13.4 20.2

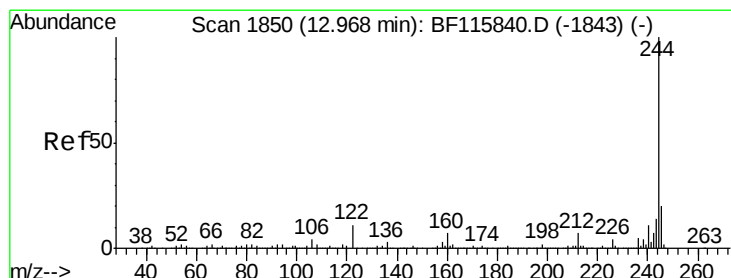
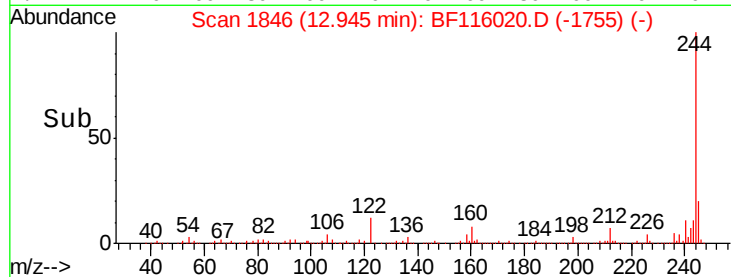
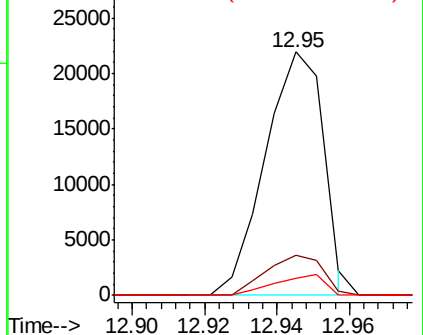
183 7.2 9.1 13.7#



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: 103.160 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.02 min

Lab File: BF116020.D

Acq: 6 Aug 2019 18:28

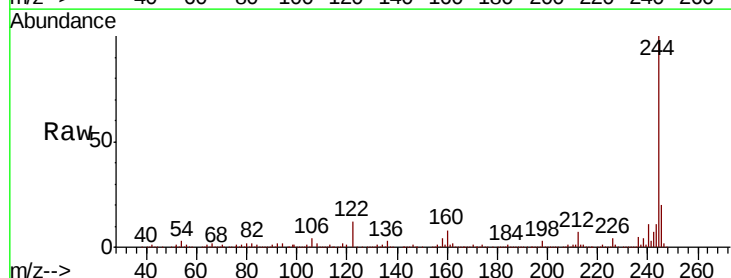
Tgt Ion:244 Resp: 1767350

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

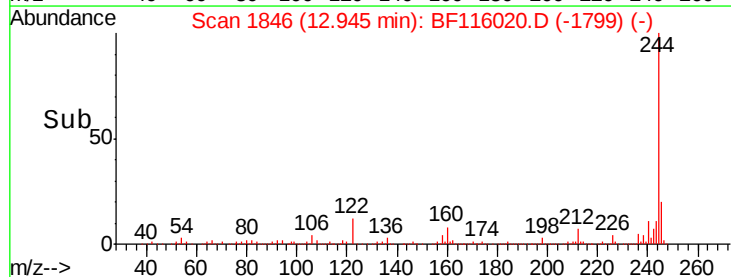
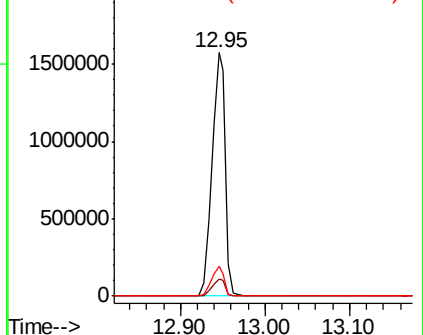
122 12.0 8.6 13.0

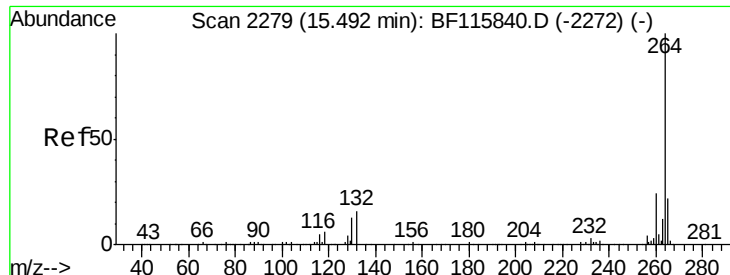


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

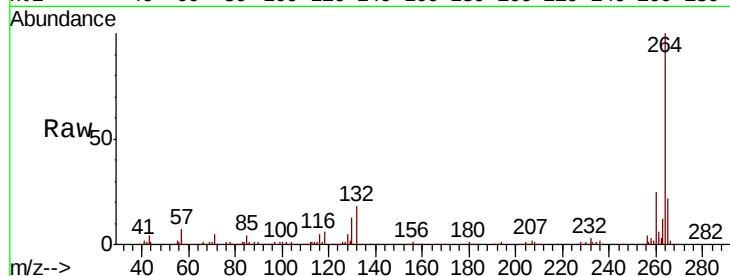




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.03 min
Lab File: BF116020.D
Acq: 6 Aug 2019 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.4	29.2
265	21.8	17.5	26.3



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

