

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082719\
 Data File : BF116599.D
 Acq On : 27 Aug 2019 22:50
 Operator : HP/JU
 Sample : K4525-40
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 28 06:39:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

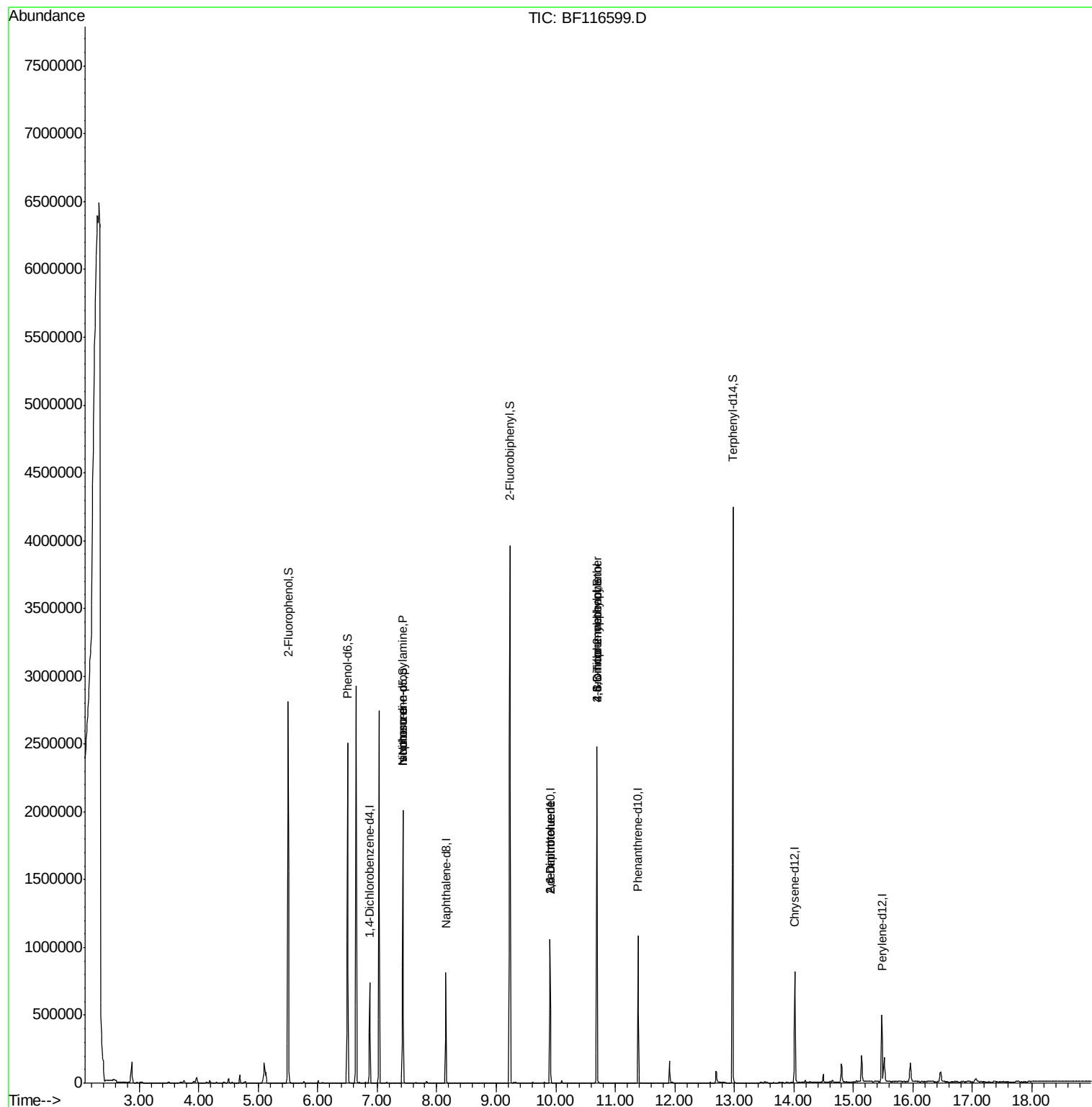
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	95654	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	360217	20.00	ng	-0.01
39) Acenaphthene-d10	9.90	164	194539	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	346119	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	249766	20.00	ng	-0.02
87) Perylene-d12	15.48	264	235730	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	797401	121.81	ng	0.00
7) Phenol-d6	6.50	99	868524	108.20	ng	0.00
23) Nitrobenzene-d5	7.43	82	660988	100.39	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	281455	168.49	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	1189829	98.49	ng	-0.01
79) Terphenyl-d14	12.97	244	1410536	105.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	88729	16.199	ng	# 77
25) Isophorone	7.43	82	660983	50.942	ng	# 67
51) 2,6-Dinitrotoluene	9.90	165	24571	8.844	ng	# 25
57) 2,4-Dinitrotoluene	9.90	165	24571	6.950	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.69	198	751	7.457	ng	# 1
67) 4-Bromophenyl-phenylether	10.69	248	18395	5.069	ng	# 1

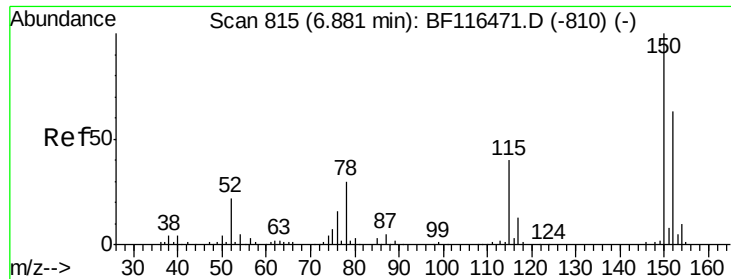
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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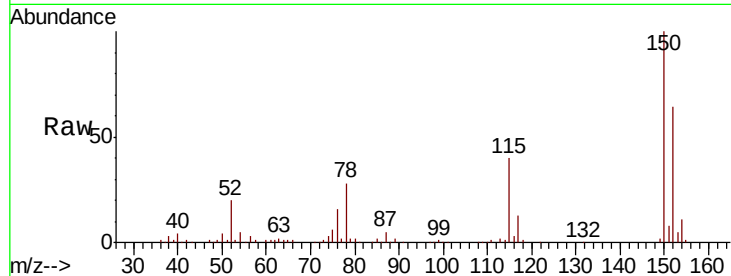


#1

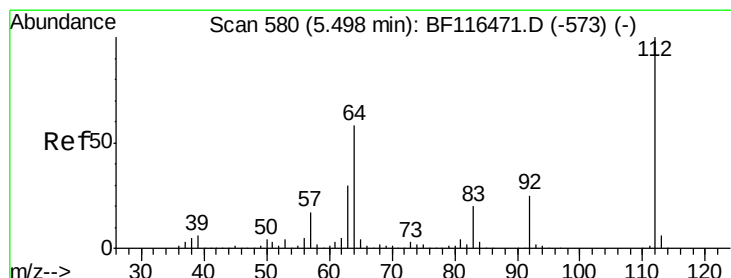
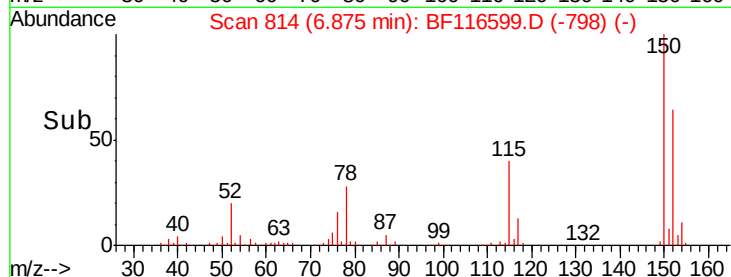
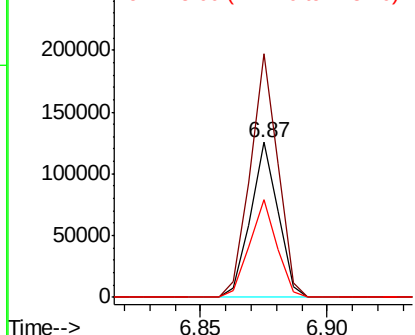
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF116599.D
Acq: 27 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95654
Ion Ratio Lower Upper
152 100
150 157.2 126.7 190.1
115 62.8 50.9 76.3



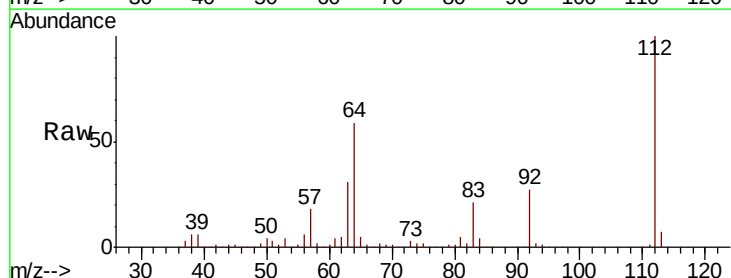
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



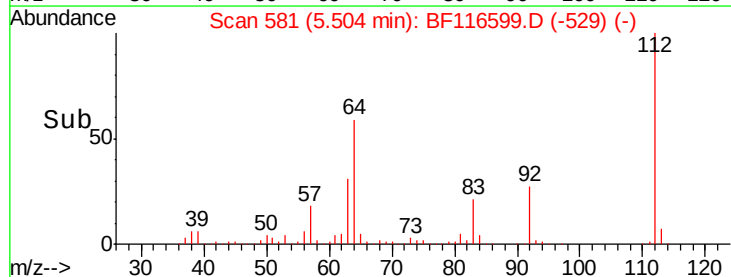
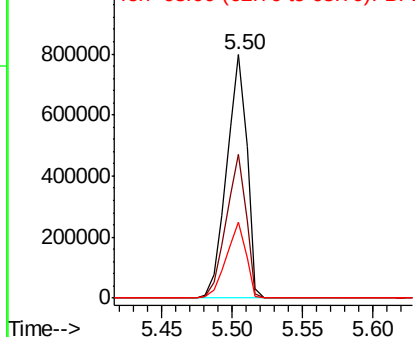
#5

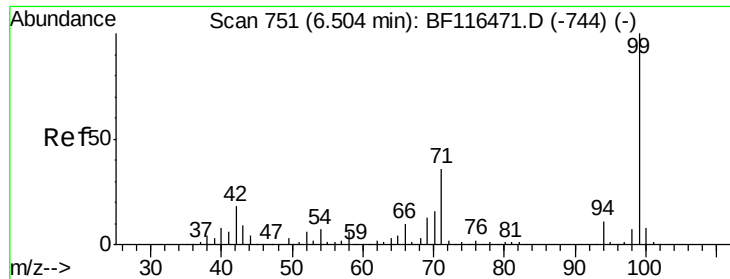
2-Fluorophenol
Concen: 121.806 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116599.D
Acq: 27 Aug 2019 22:50

Tgt Ion:112 Resp: 797401
Ion Ratio Lower Upper
112 100
64 59.3 46.3 69.5
63 31.3 24.2 36.4



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: 108.201 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

Instrument :

BNA_F

ClientSampled :

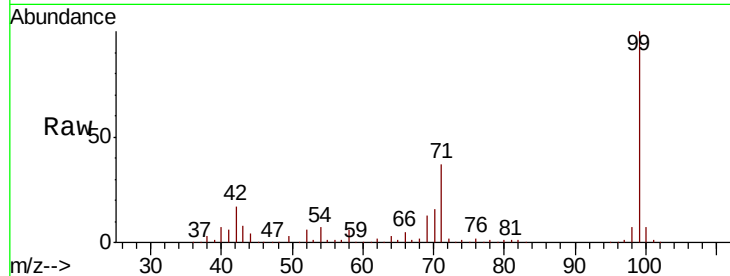
Tot Ion: 99 Resp: 868524

Ion Ratio Lower Upper

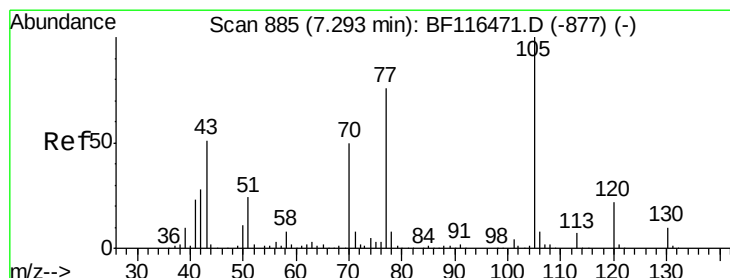
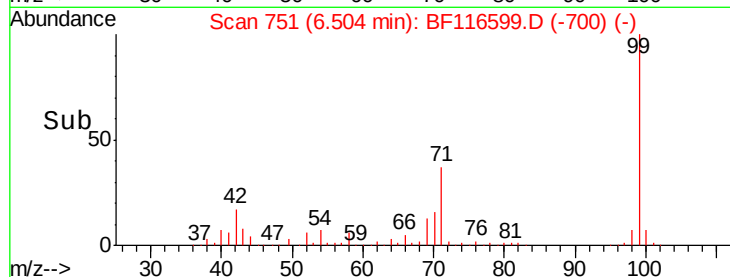
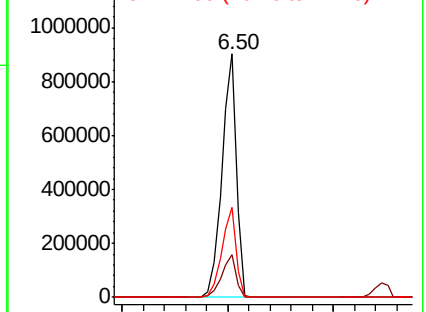
99 100

42 17.5 14.6 21.8

71 36.9 28.5 42.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.199 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

Tgt Ion: 70 Resp: 88729

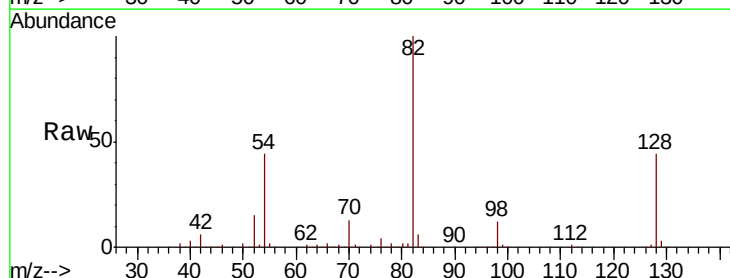
Ion Ratio Lower Upper

70 100

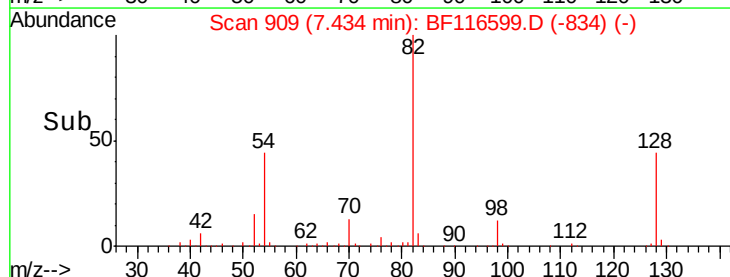
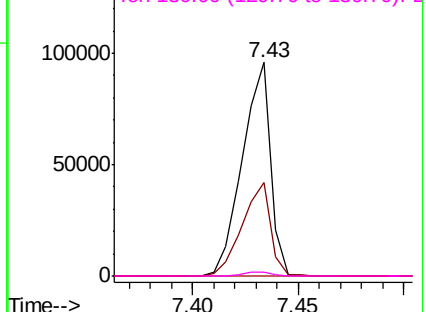
42 43.5 44.4 66.6#

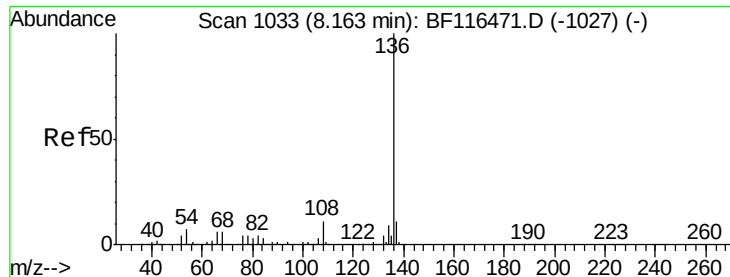
101 0.0 7.1 10.7#

130 1.8 15.8 23.8#



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): E
Ion 130.00 (129.70 to 130.70): E

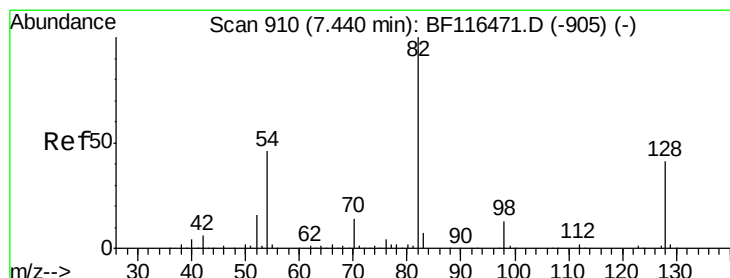
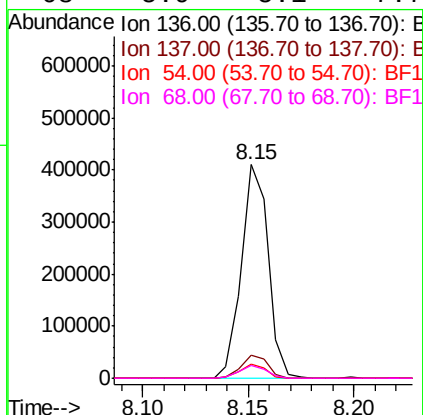
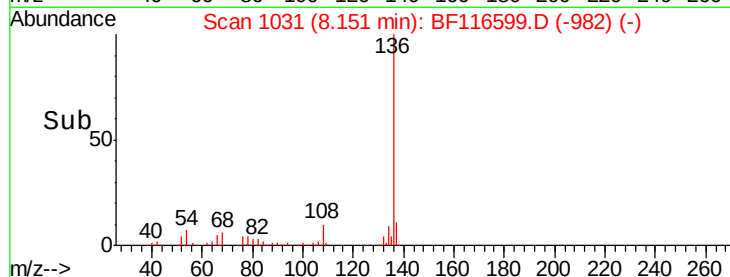
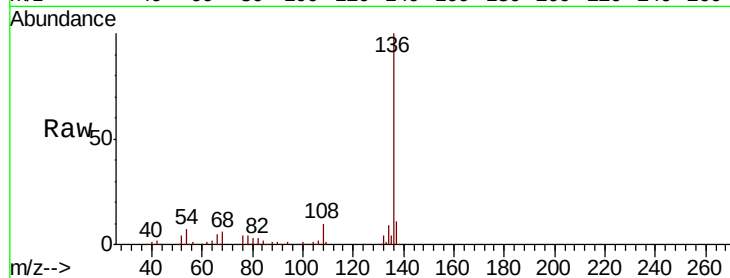




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF116599.D
Acq: 27 Aug 2019 22:50

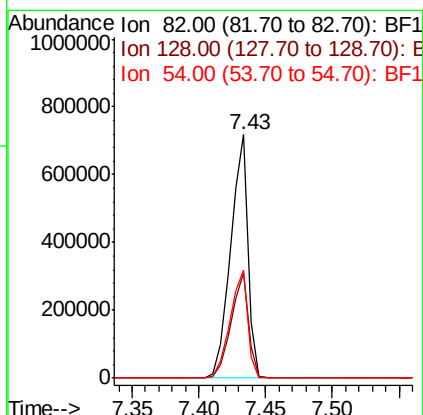
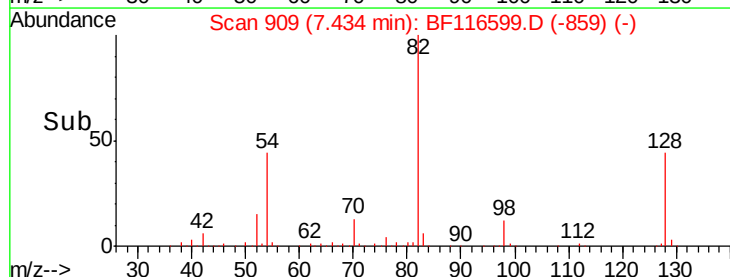
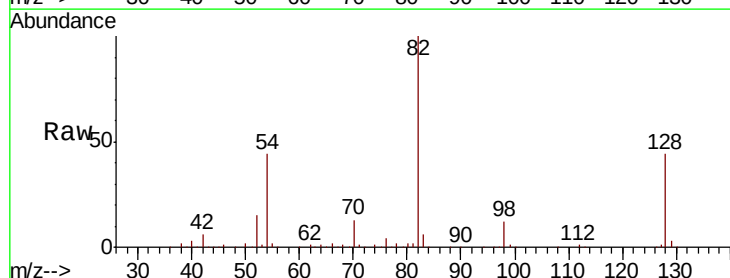
Instrument :
BNA_F
ClientSampleId :

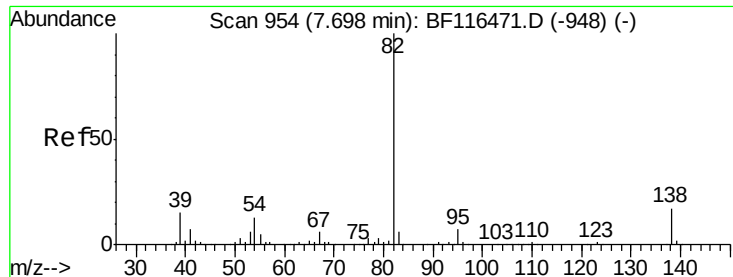
Tot Ion:136	Resp:	360217
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.0 13.4
54	6.7	5.8 8.6
68	5.9	5.1 7.7



#23
Nitrobenzene-d5
Concen: 100.391 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF116599.D
Acq: 27 Aug 2019 22:50

Tgt Ion: 82	Resp:	660988
Ion Ratio	Lower	Upper
82	100	
128	43.5	32.2 48.4
54	44.1	36.5 54.7





#25

Isophorone

Concen: 50.942 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

Instrument :

BNA_F

ClientSampled :

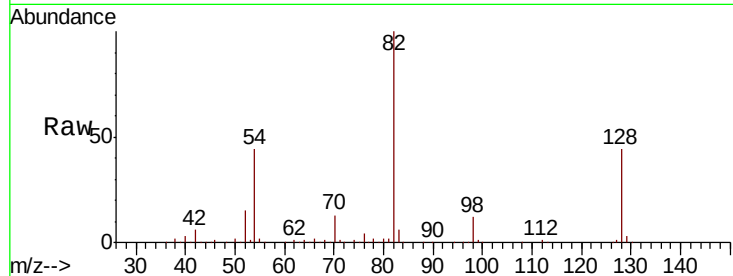
Tot Ion: 82 Resp: 660983

Ion Ratio Lower Upper

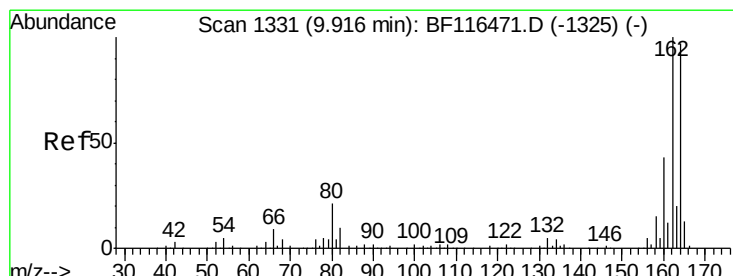
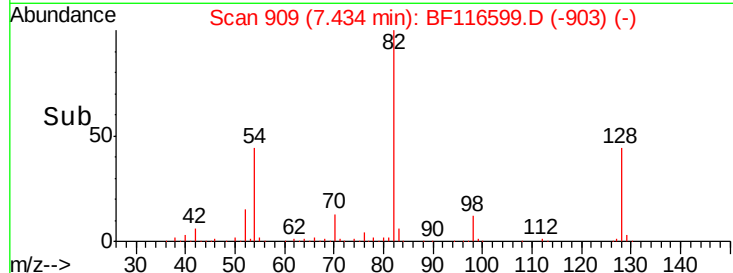
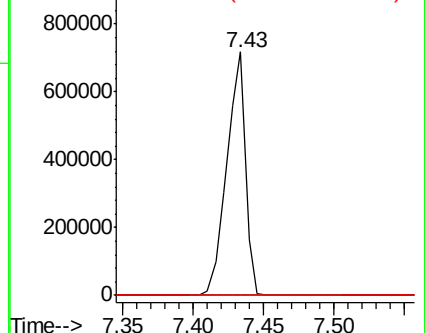
82 100

95 0.0 5.3 7.9#

138 0.0 13.3 19.9#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

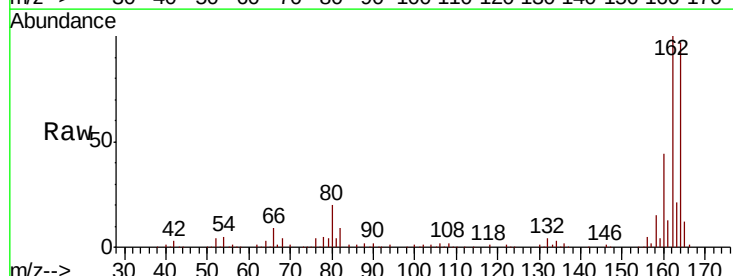
Tgt Ion: 164 Resp: 194539

Ion Ratio Lower Upper

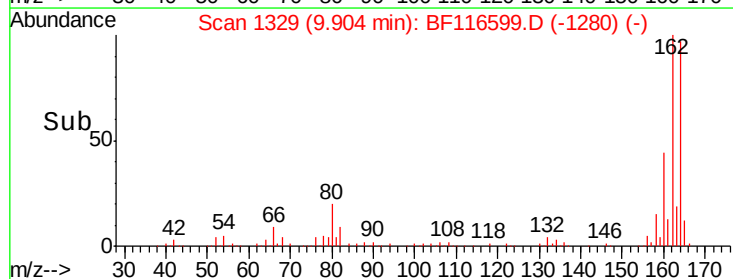
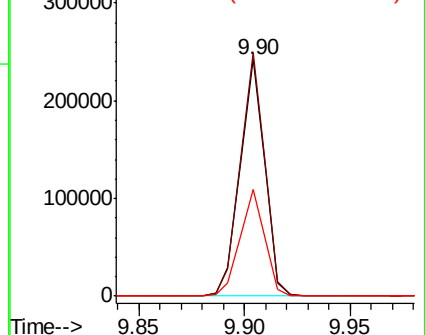
164 100

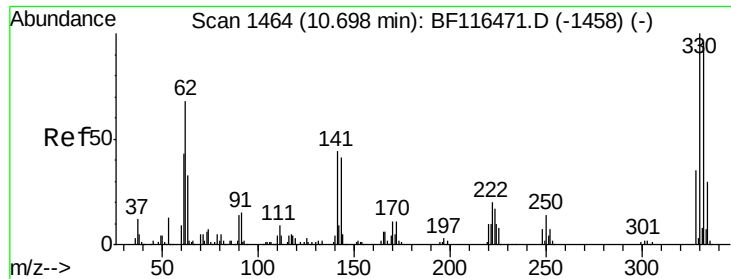
162 102.7 82.6 123.8

160 45.1 35.8 53.8



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: 168.490 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

Instrument :

BNA_F

ClientSampleId :

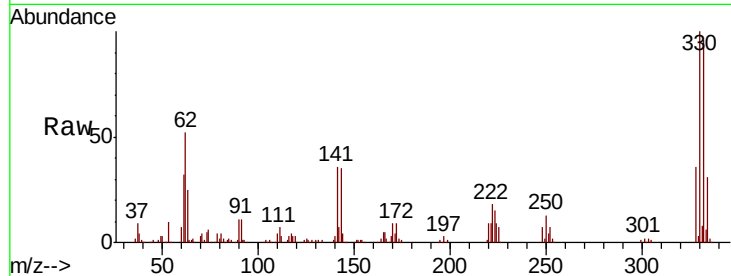
Tot Ion:330 Resp: 281455

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

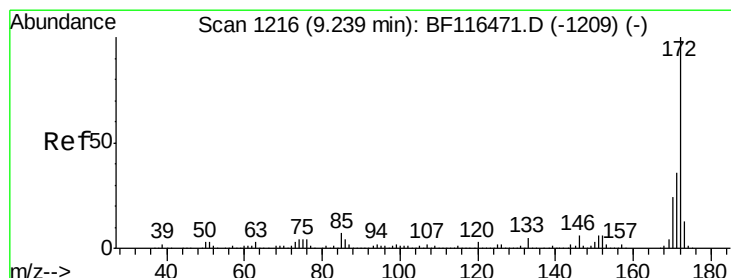
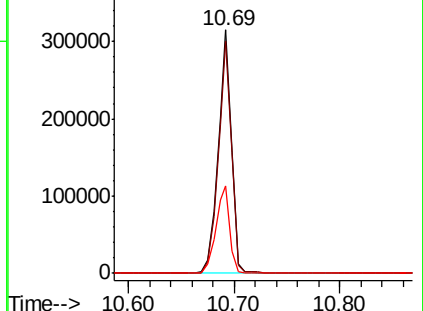
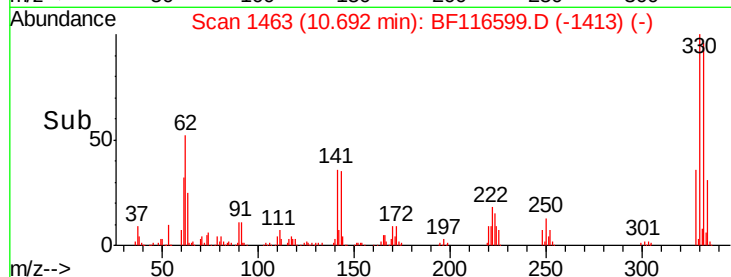
141 37.5 33.3 49.9



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: 98.495 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

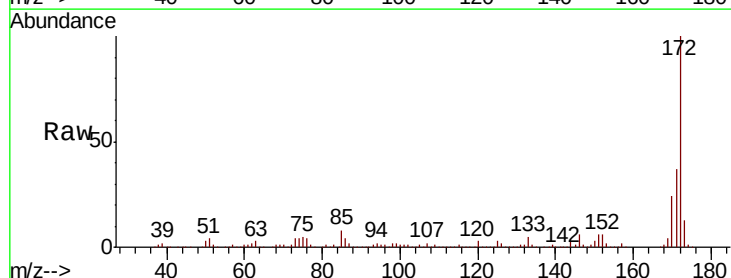
Tgt Ion:172 Resp: 1189829

Ion Ratio Lower Upper

172 100

171 36.8 28.9 43.3

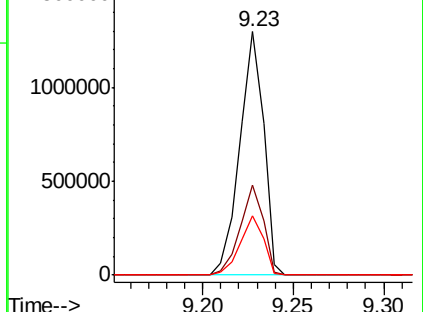
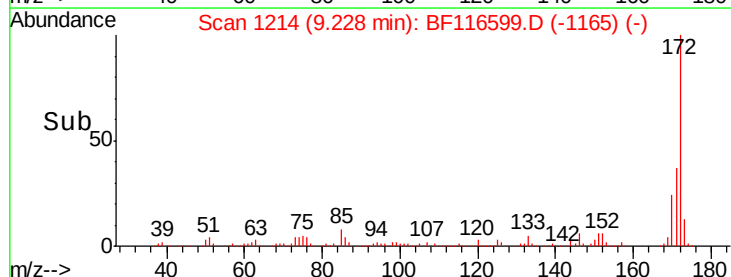
170 24.3 19.4 29.0

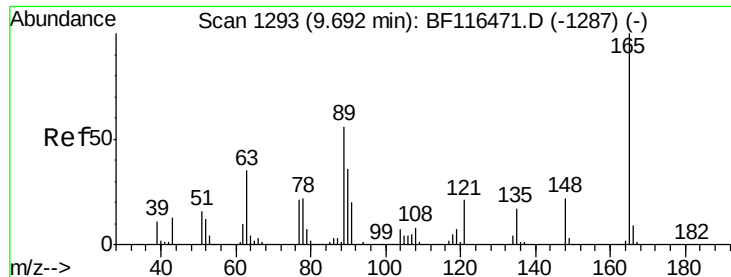


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

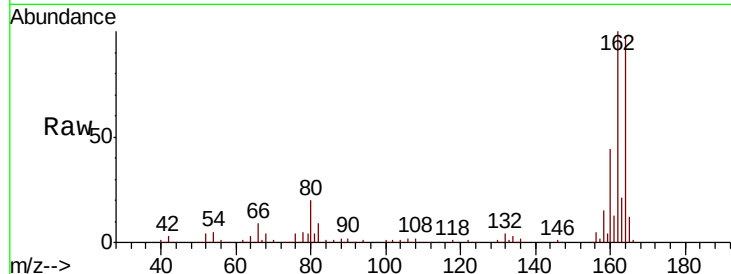




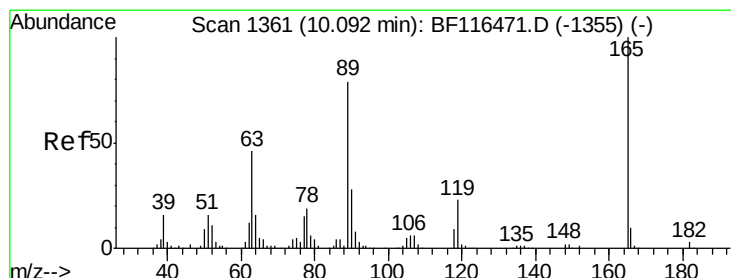
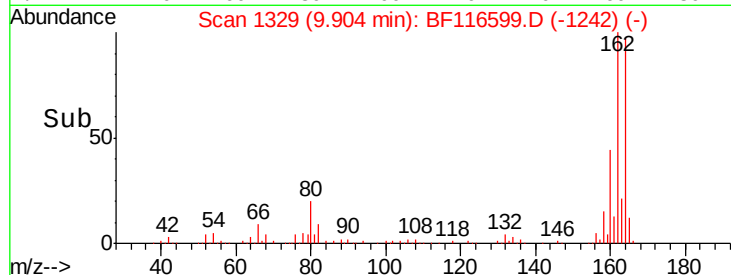
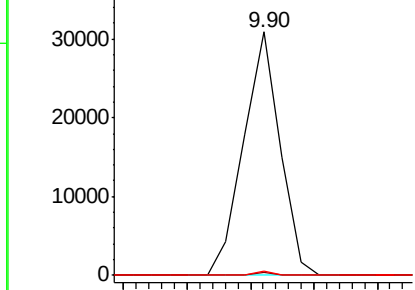
#51
 2,6-Dinitrotoluene
 Concen: 8.844 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF116599.D
 Acq: 27 Aug 2019 22:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	43.7	65.5#
89	1.6	45.1	67.7#



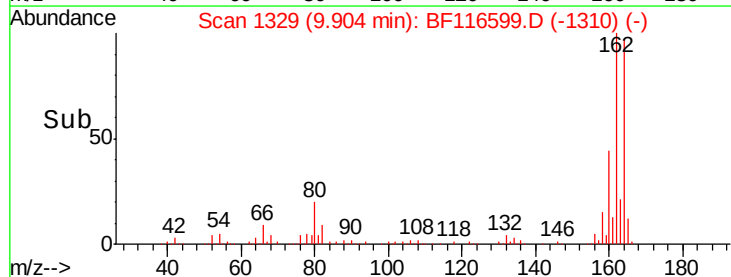
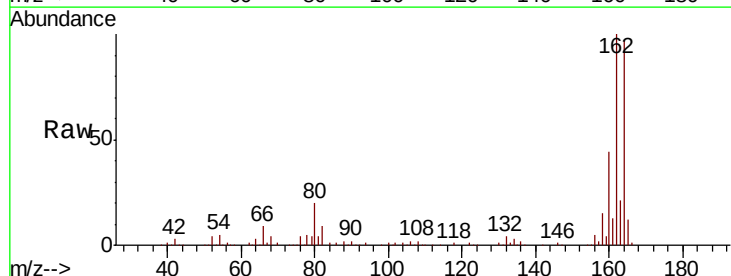
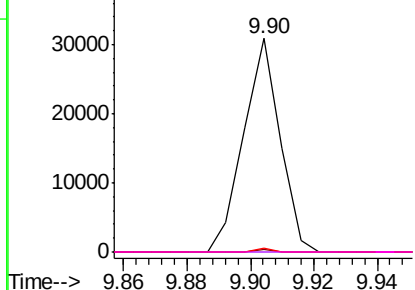
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

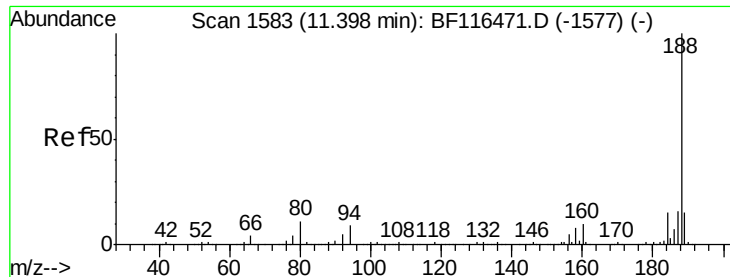


#57
 2,4-Dinitrotoluene
 Concen: 6.950 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.19 min
 Lab File: BF116599.D
 Acq: 27 Aug 2019 22:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.9	55.3#
89	1.6	63.4	95.0#
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

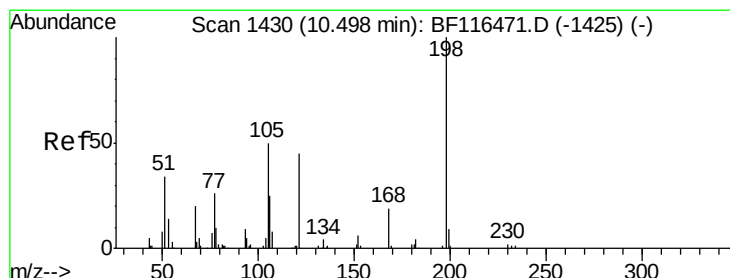
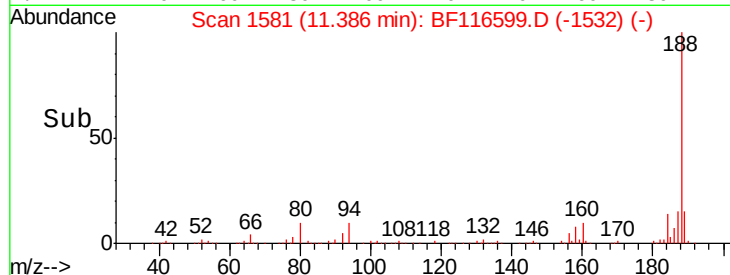
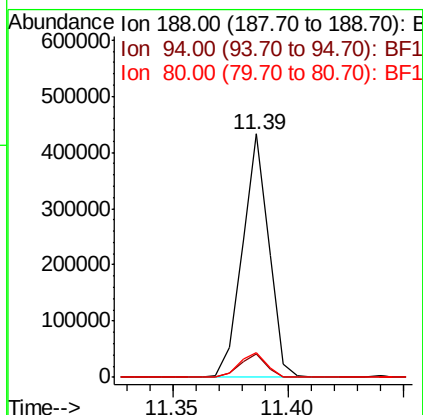
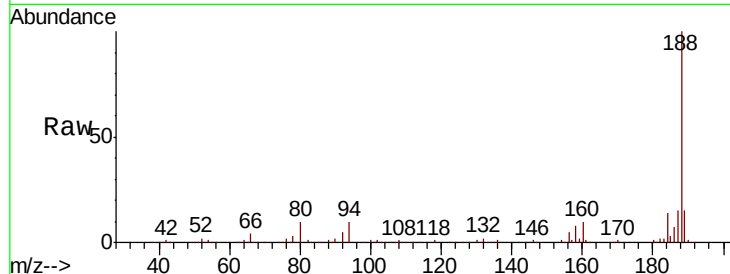




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF116599.D
 Acq: 27 Aug 2019 22:50

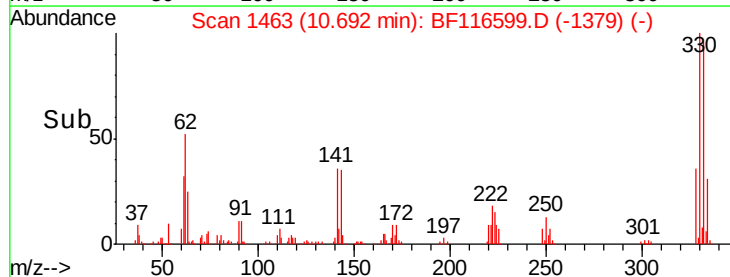
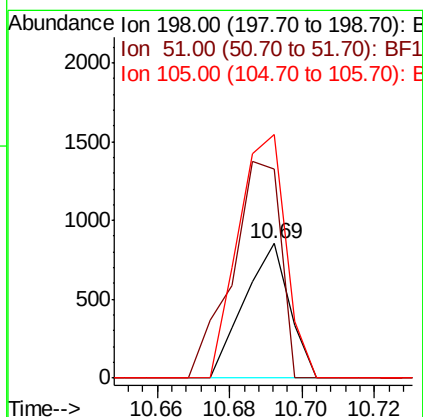
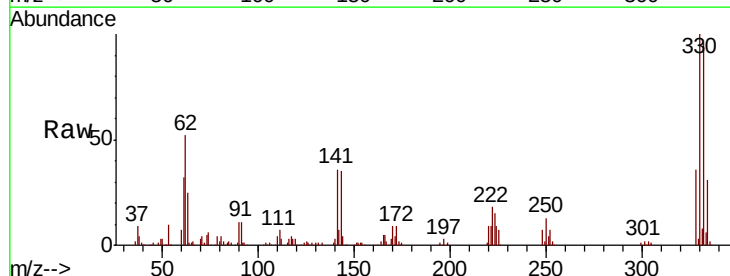
Instrument :
 BNA_F
 ClientSampled :

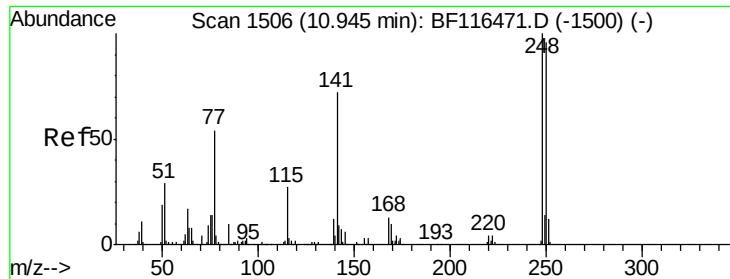
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	10.3	8.6	12.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.457 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.19 min
 Lab File: BF116599.D
 Acq: 27 Aug 2019 22:50

Tgt Ion	Ratio	Lower	Upper
198	100		
51	155.3	30.4	70.4#
105	180.8	32.8	72.8#

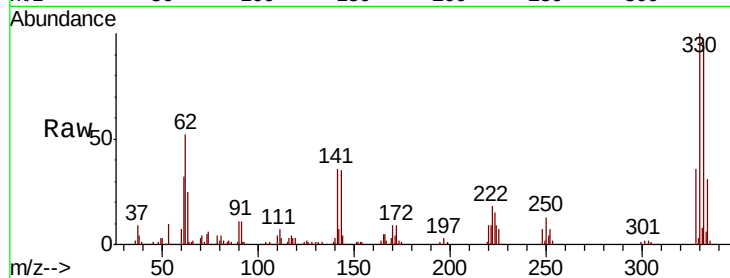




#67
 4-Bromophenyl-phenylether
 Concen: 5.069 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.25 min
 Lab File: BF116599.D
 Acq: 27 Aug 2019 22:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
248	100		
250	193.8	77.0	115.6#
141	536.4	57.4	86.0#

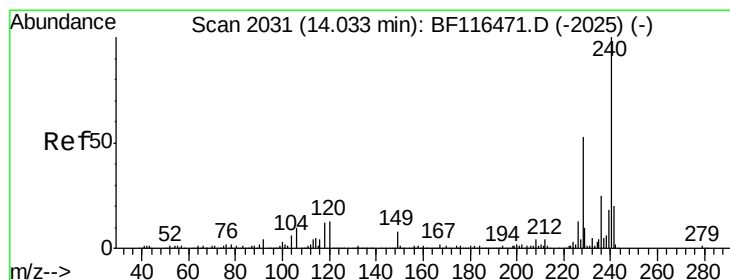
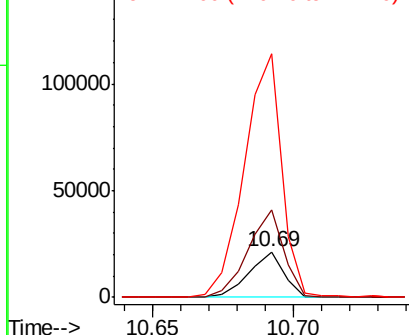
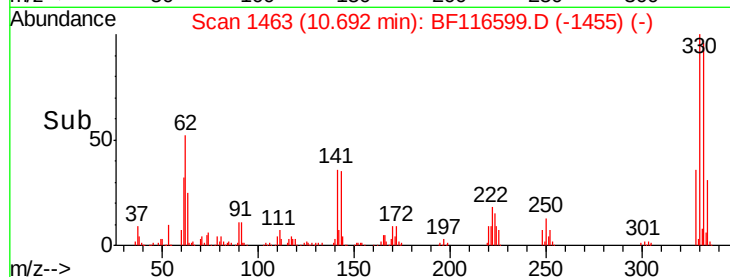


Abundance

Ion 248.00 (247.70 to 248.70): E

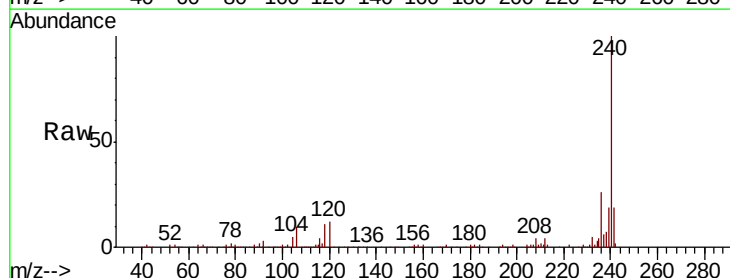
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF116599.D
 Acq: 27 Aug 2019 22:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.5	15.7
236	25.9	20.2	30.2

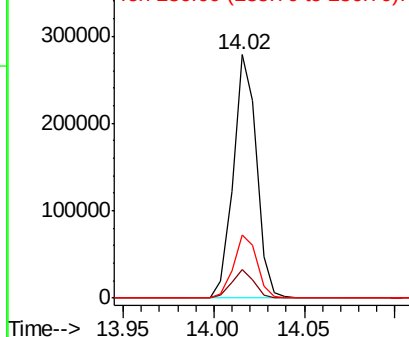
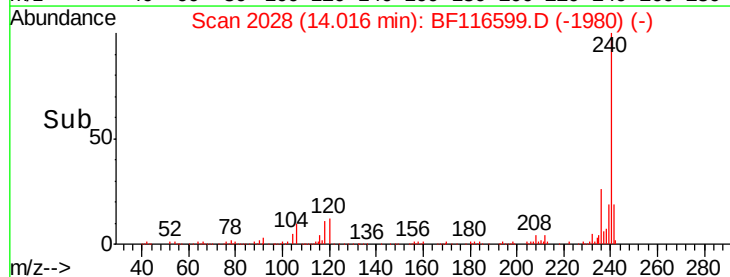


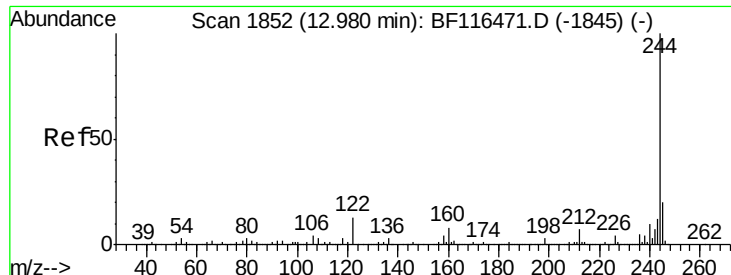
Abundance

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: 105.488 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

Instrument :

BNA_F

ClientSampleId :

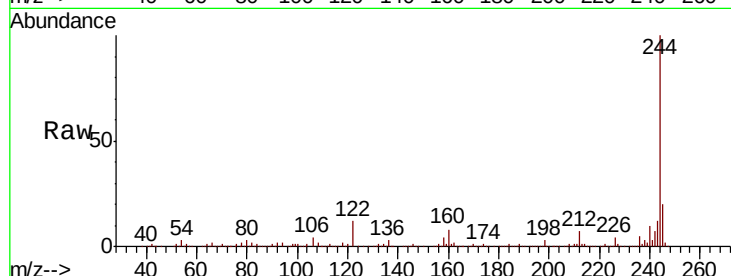
Tot Ion:244 Resp: 1410536

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

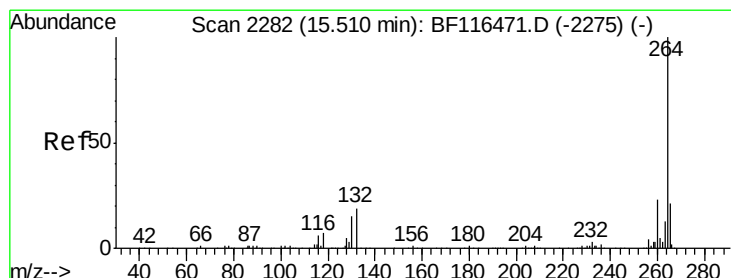
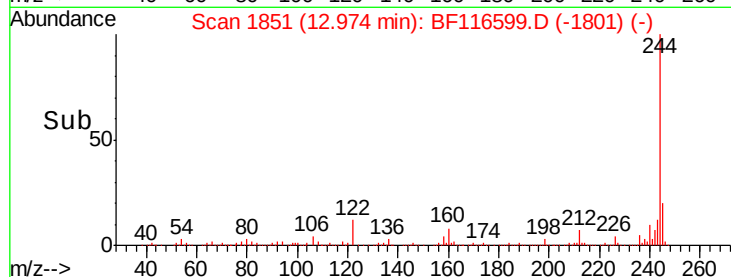
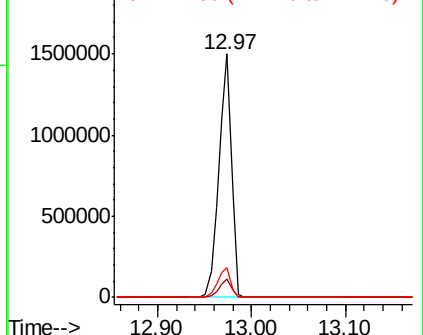
122 12.2 10.2 15.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.03 min

Lab File: BF116599.D

Acq: 27 Aug 2019 22:50

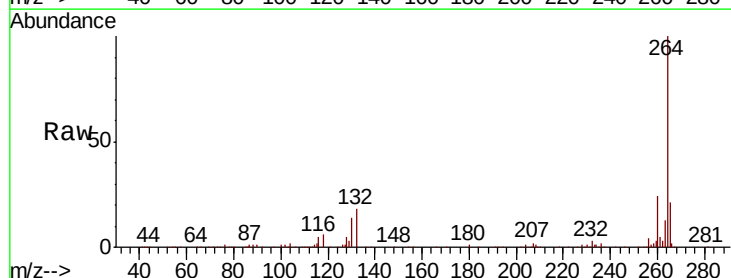
Tgt Ion:264 Resp: 235730

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

265 20.9 17.1 25.7



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

