

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116613.D
 Acq On : 28 Aug 2019 13:56
 Operator : HP/JU
 Sample : PB122569BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 01:01:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

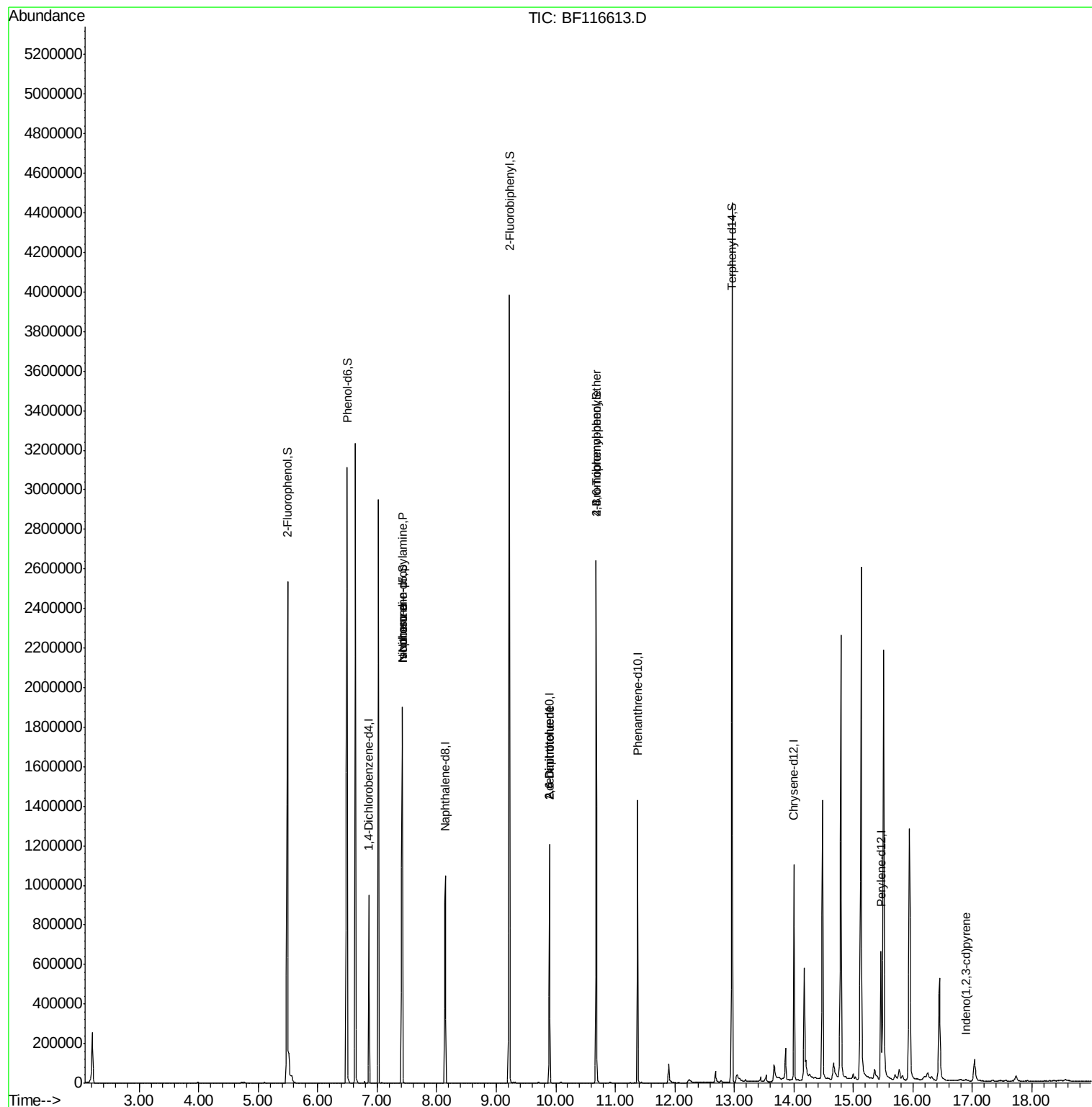
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	127285	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	497483	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	266615	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	473258	20.00	ng	0.00
76) Chrysene-d12	14.00	240	331093	20.00	ng	0.00
87) Perylene-d12	15.46	264	291578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	865663	117.47	ng	0.01
7) Phenol-d6	6.49	99	1167309	116.84	ng	0.00
23) Nitrobenzene-d5	7.42	82	728178	83.75	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	284352	112.08	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1318152	82.28	ng	0.00
79) Terphenyl-d14	12.96	244	1494054	73.39	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	1687	Below Cal		
19) n-Nitroso-di-n-propylamine	7.42	70	96771	15.231	ng	# 1
25) Isophorone	7.42	82	725671	45.849	ng	# 76
51) 2,6-Dinitrotoluene	9.89	165	33322	8.431	ng	# 65
57) 2,4-Dinitrotoluene	9.89	165	33322	6.389	ng	# 30
67) 4-Bromophenyl-phenylether	10.68	248	18568	3.699	ng	# 26
86) Indeno(1,2,3-cd)pyrene	16.90	276	4168	4.074	ng	# 1
						# 67

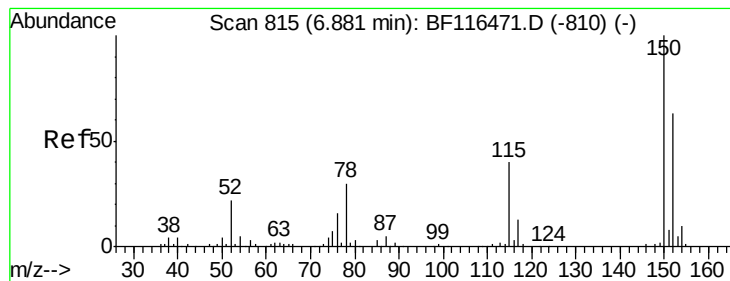
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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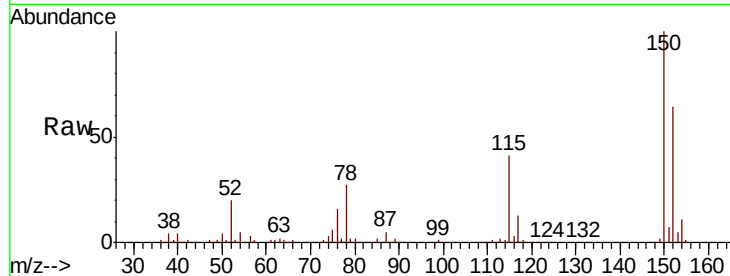


#1

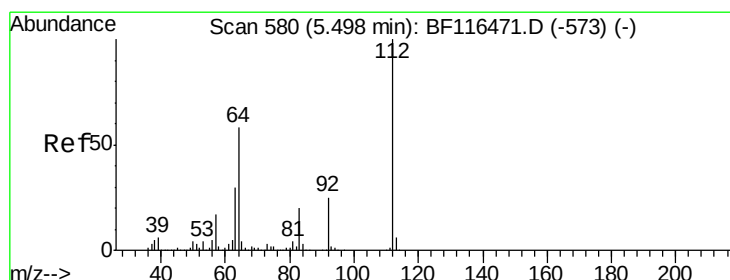
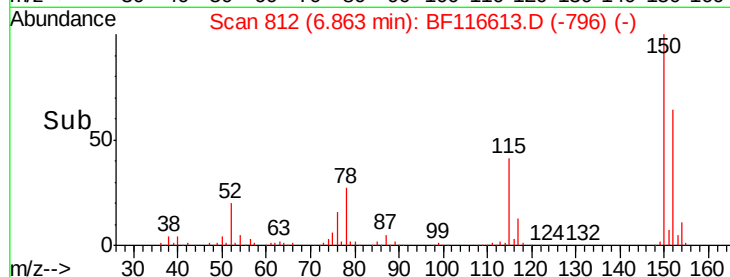
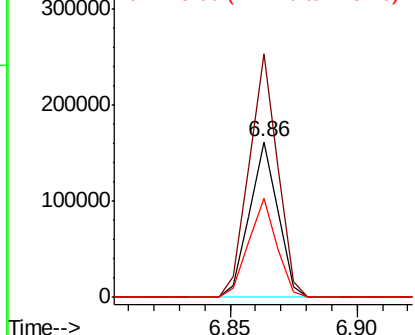
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116613.D
Acq: 28 Aug 2019 13:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.4	185.2
115	63.6	48.2	72.2



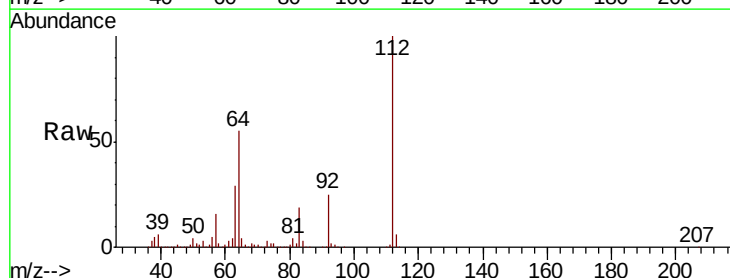
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



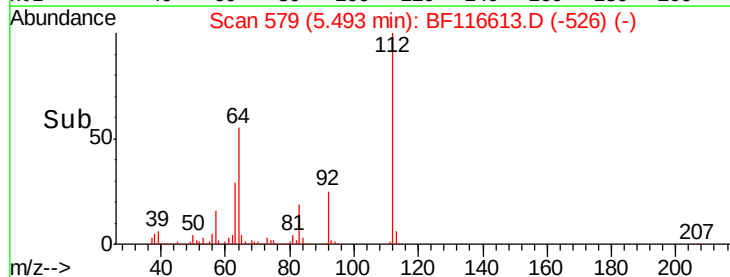
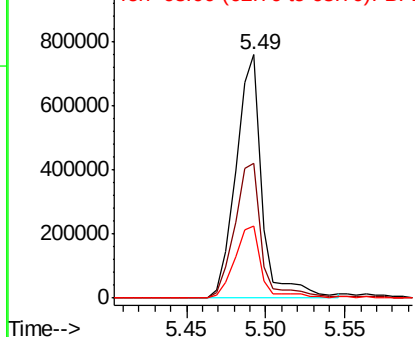
#5

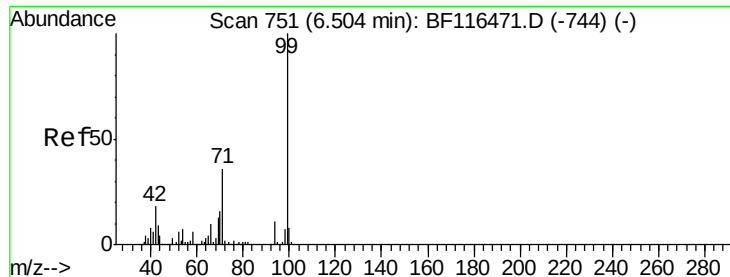
2-Fluorophenol
Concen: 117.468 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF116613.D
Acq: 28 Aug 2019 13:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	48.0	72.0
63	29.4	24.6	36.8



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: 116.837 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF116613.D

Acq: 28 Aug 2019 13:56

Instrument :

BNA_F

ClientSampleId :

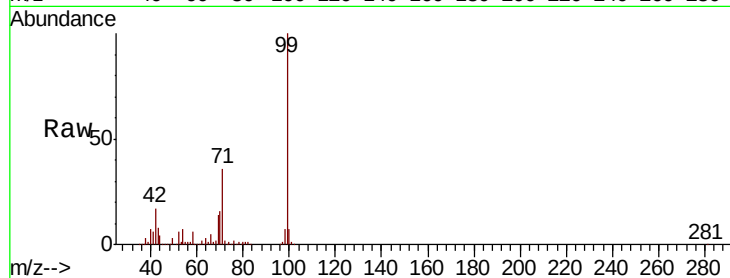
Tot Ion: 99 Resp: 1167309

Ion Ratio Lower Upper

99 100

42 17.0 13.2 19.8

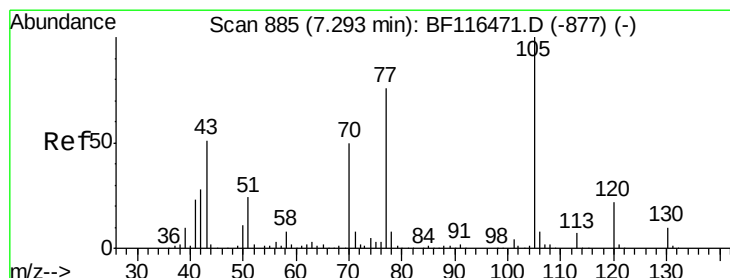
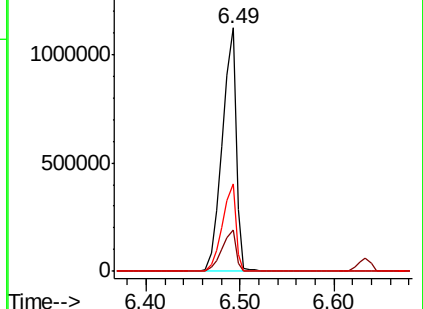
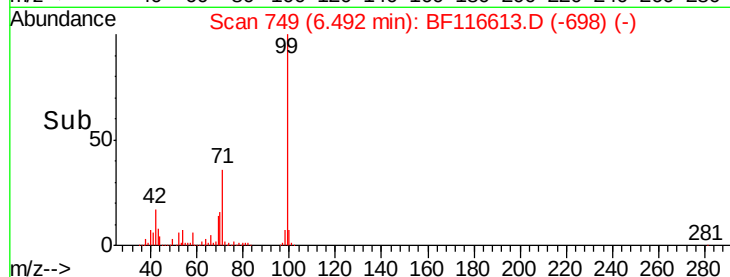
71 36.0 27.4 41.2



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: 15.231 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.14 min

Lab File: BF116613.D

Acq: 28 Aug 2019 13:56

Tgt Ion: 70 Resp: 96771

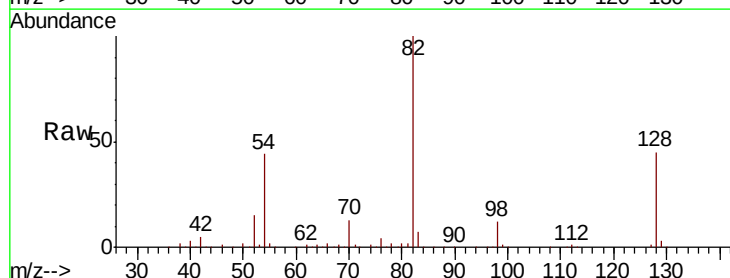
Ion Ratio Lower Upper

70 100

42 41.1 41.2 61.8#

101 0.0 7.7 11.5#

130 1.8 17.9 26.9#

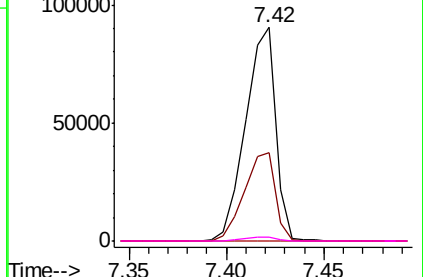
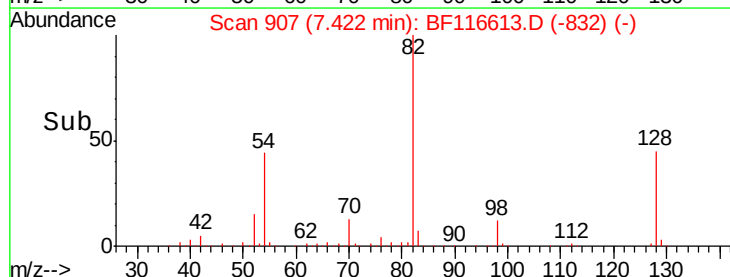


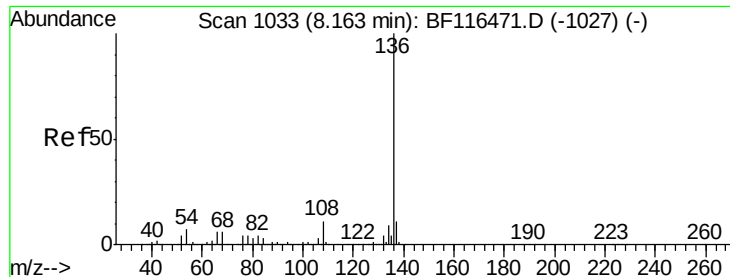
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

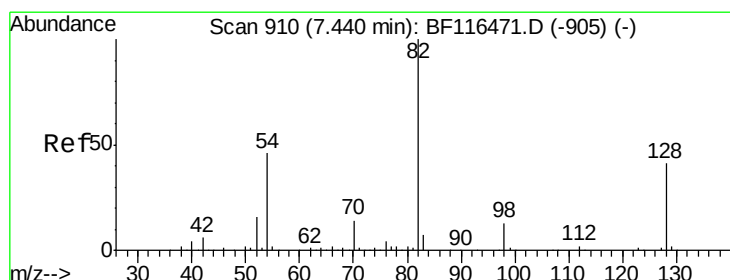
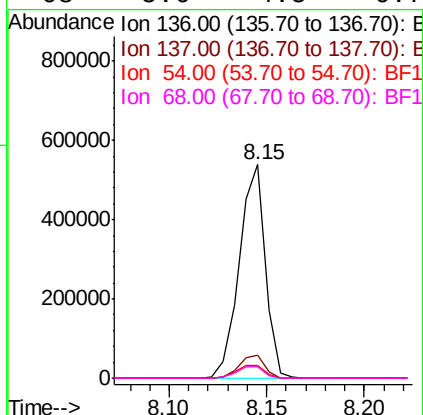
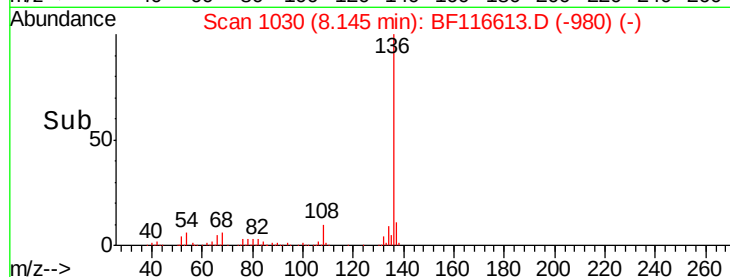
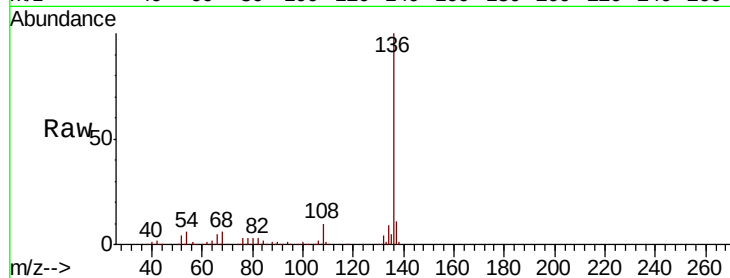




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF116613.D
Acq: 28 Aug 2019 13:56

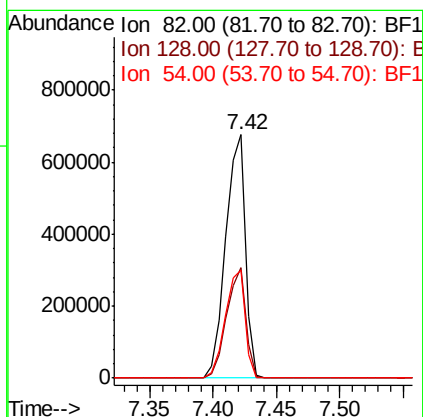
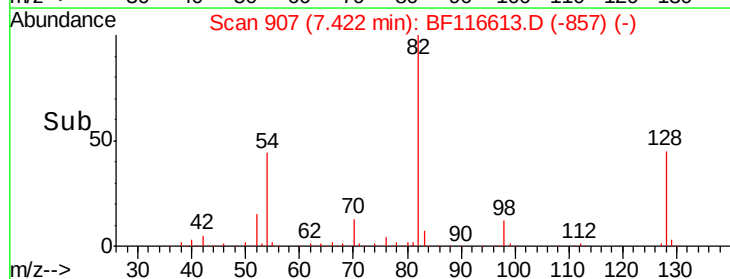
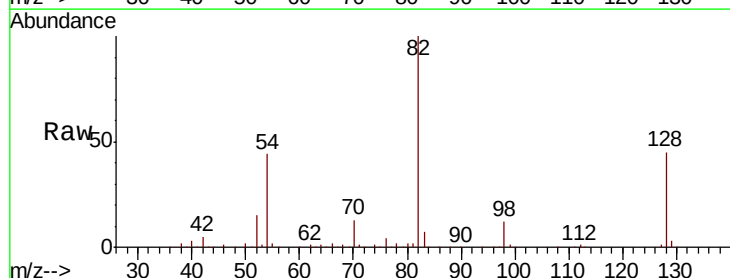
Instrument :
BNA_F
ClientSampleId :

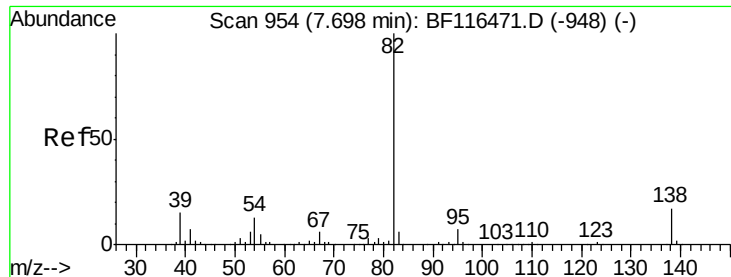
Tot Ion:136	Resp:	497483	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.7	13.1	
54 6.1	5.0	7.4	
68 5.6	4.5	6.7	



#23
Nitrobenzene-d5
Concen: 83.754 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF116613.D
Acq: 28 Aug 2019 13:56

Tgt Ion: 82	Resp: 728178
Ion Ratio	Lower Upper
82 100	
128 45.3	35.0 52.6
54 44.1	34.4 51.6





#25

Isophorone

Concen: 45.849 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.26 min

Lab File: BF116613.D

Acq: 28 Aug 2019 13:56

Instrument :

BNA_F

ClientSampled :

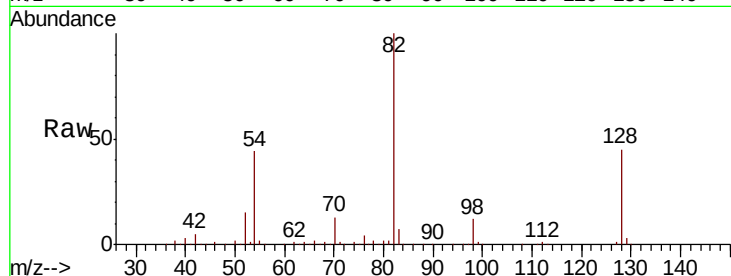
Tot Ion: 82 Resp: 725671

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

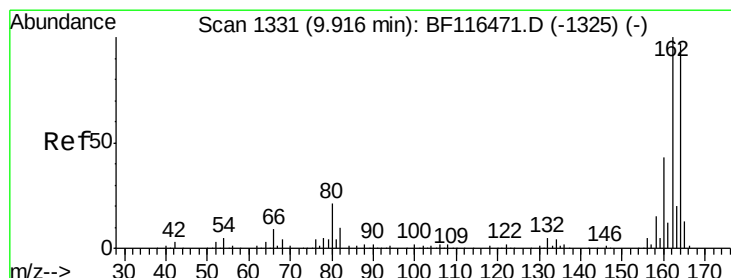
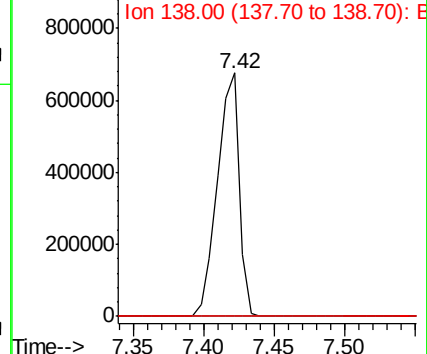
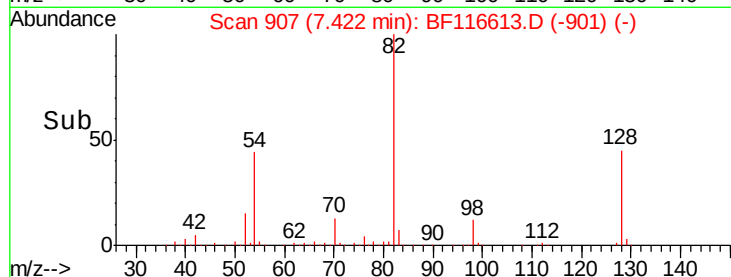
138 0.0 14.4 21.6#



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# 1328

Delta R.T. -0.01 min

Lab File: BF116613.D

Acq: 28 Aug 2019 13:56

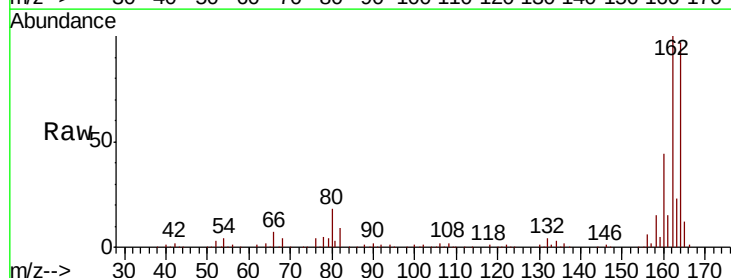
Tgt Ion: 164 Resp: 266615

Ion Ratio Lower Upper

164 100

162 102.6 83.4 125.0

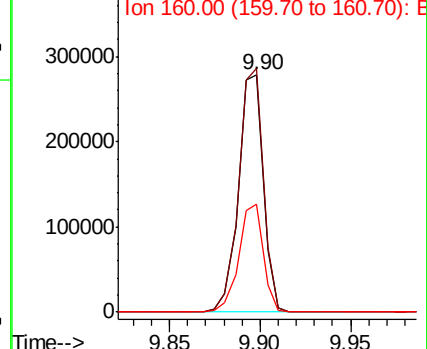
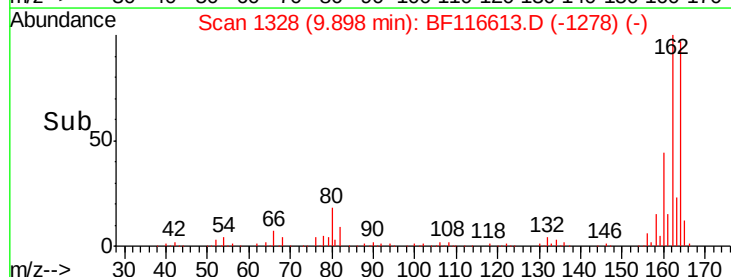
160 45.6 37.0 55.4

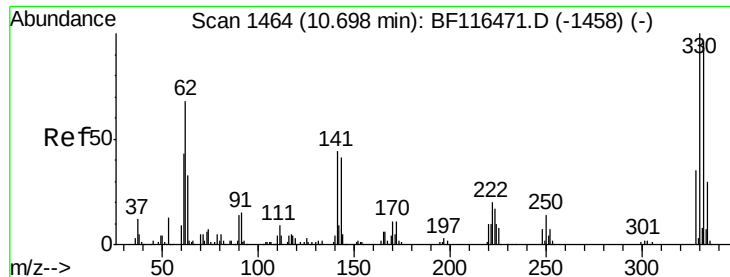


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 112.076 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF116613.D

Acq: 28 Aug 2019 13:56

Instrument :

BNA_F

ClientSampleId :

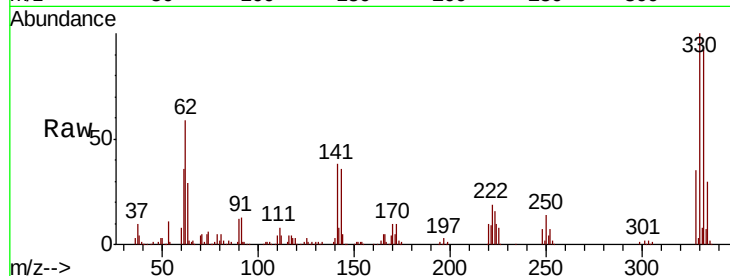
Tot Ion:330 Resp: 284352

Ion Ratio Lower Upper

330 100

332 94.8 77.5 116.3

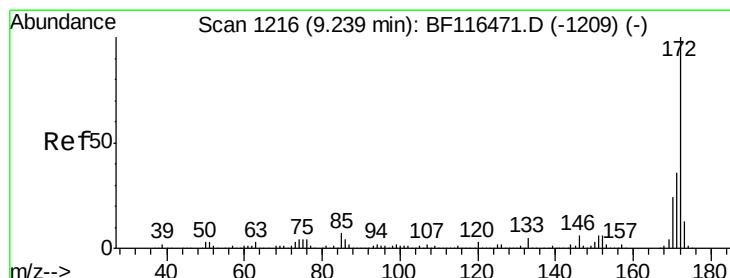
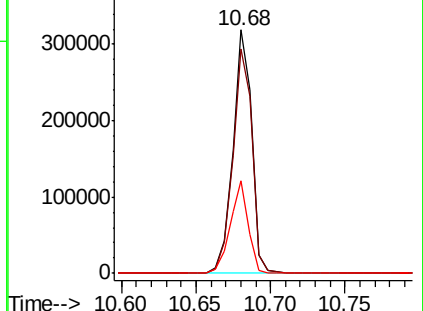
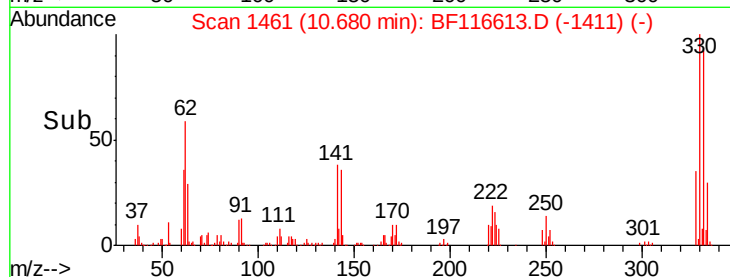
141 36.7 28.2 42.2



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: 82.279 ng

RT: 9.22 min Scan# 1213

Delta R.T. 0.00 min

Lab File: BF116613.D

Acq: 28 Aug 2019 13:56

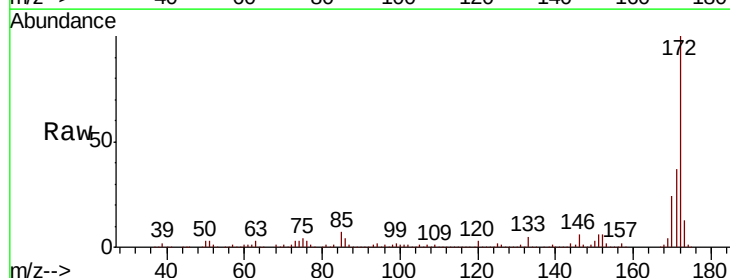
Tgt Ion:172 Resp: 1318152

Ion Ratio Lower Upper

172 100

171 36.7 29.0 43.6

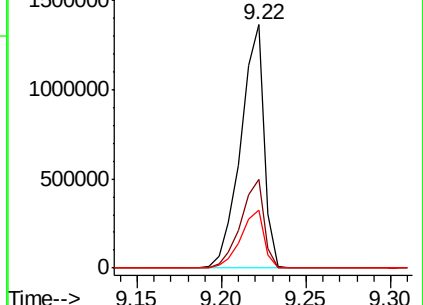
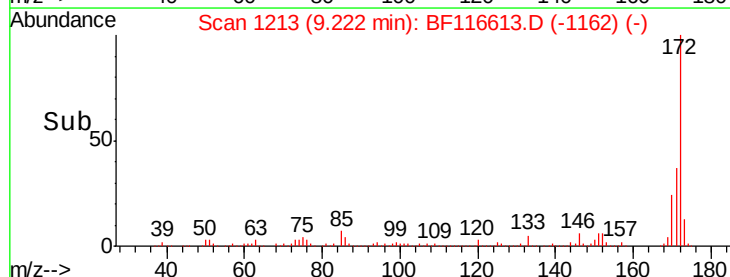
170 23.9 19.3 28.9

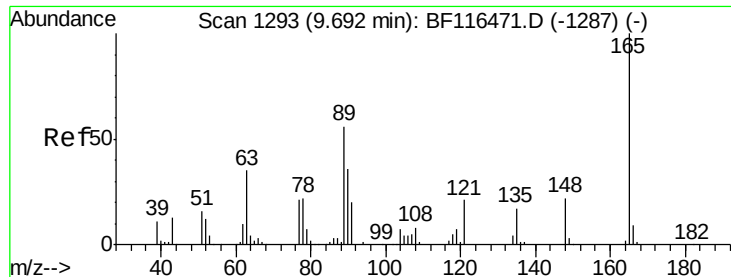


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

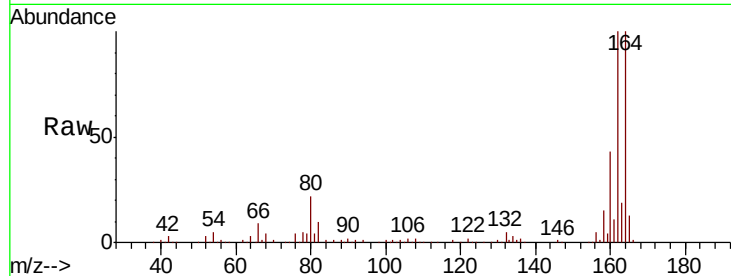




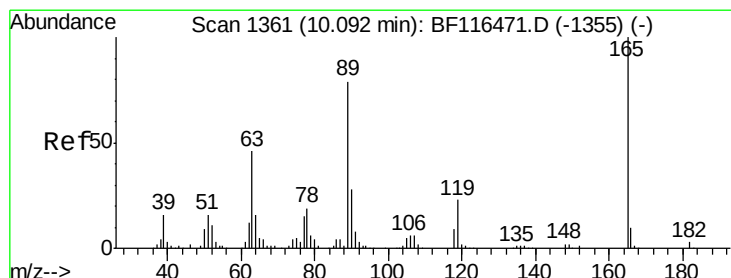
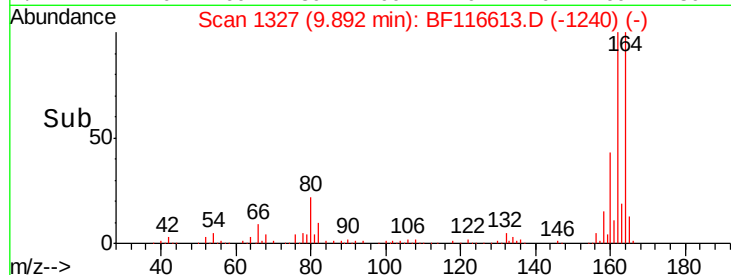
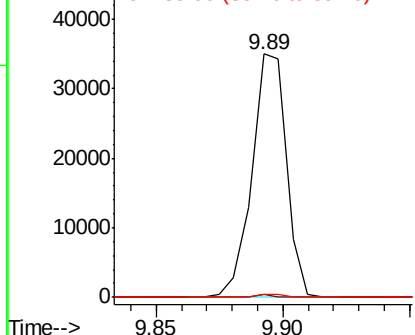
#51
 2,6-Dinitrotoluene
 Concen: 8.431 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF116613.D
 Acq: 28 Aug 2019 13:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.2	55.8#
89	1.4	40.8	61.2#



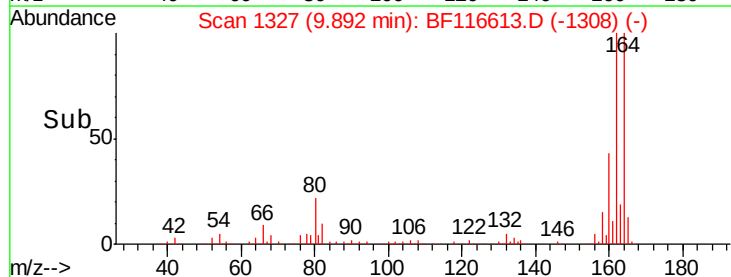
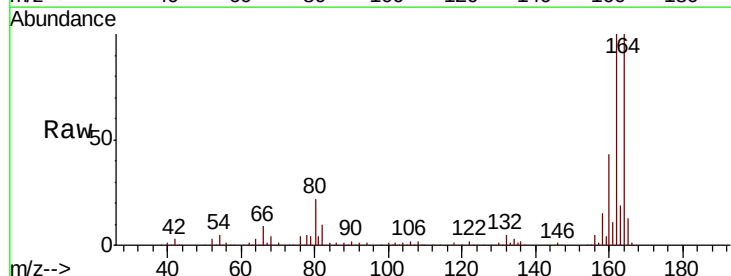
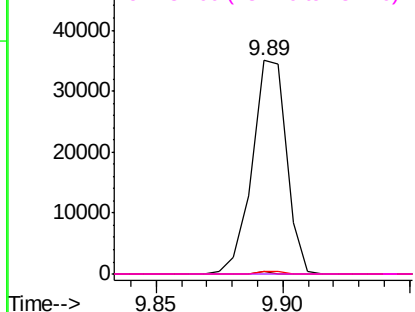
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

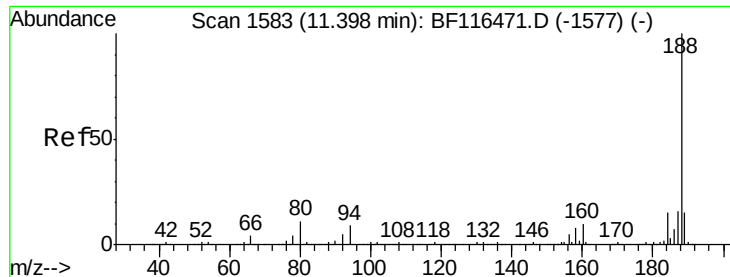


#57
 2,4-Dinitrotoluene
 Concen: 6.389 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF116613.D
 Acq: 28 Aug 2019 13:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	30.9	46.3#
89	1.4	55.0	82.6#
182	0.0	2.2	3.2#

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

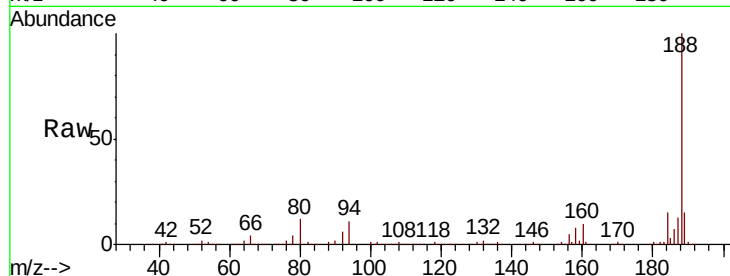




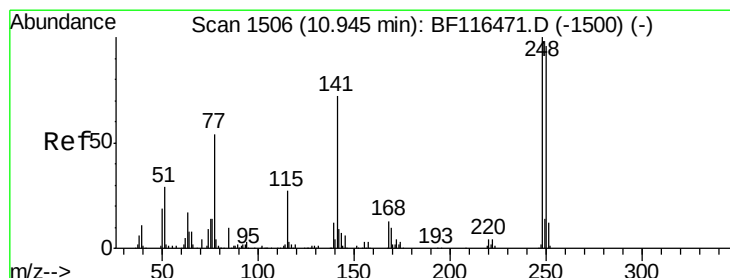
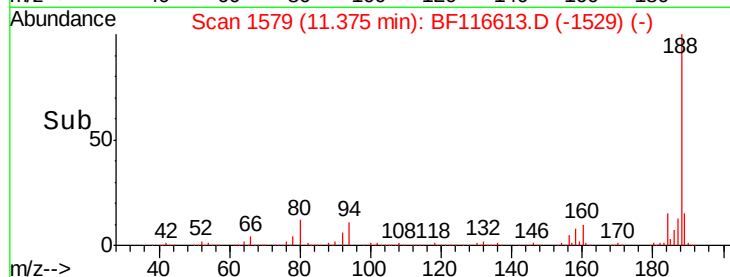
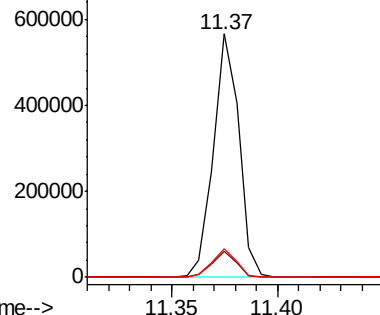
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116613.D
 Acq: 28 Aug 2019 13:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 473258
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.2 12.4
 80 11.5 8.9 13.3

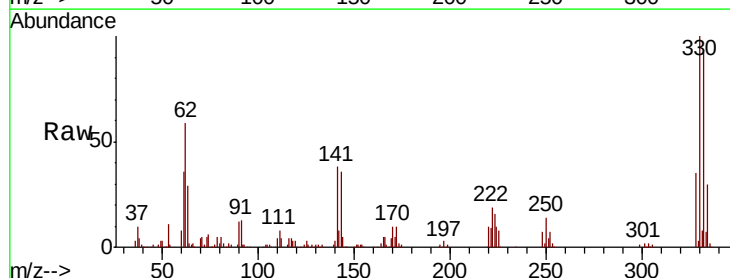


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

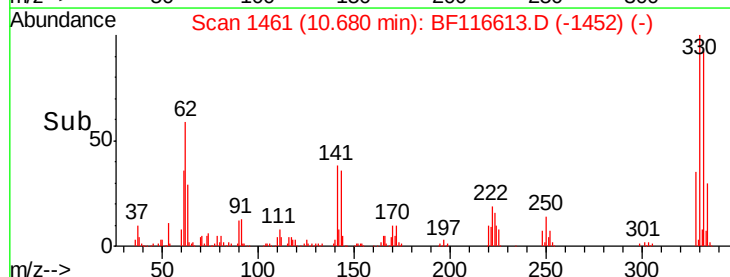
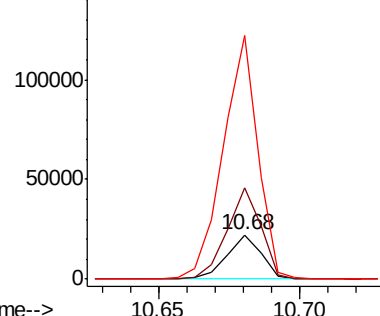


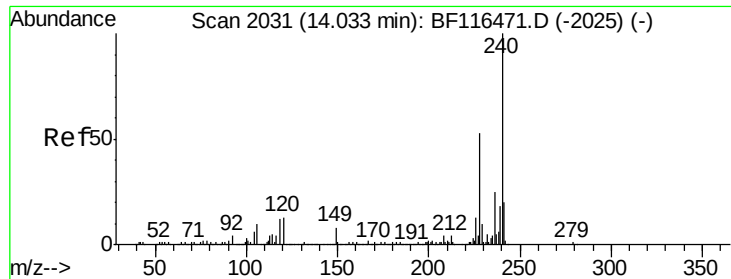
#67
 4-Bromophenyl-phenylether
 Concen: 3.699 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.25 min
 Lab File: BF116613.D
 Acq: 28 Aug 2019 13:56

Tgt Ion:248 Resp: 18568
 Ion Ratio Lower Upper
 248 100
 250 207.8 76.6 115.0#
 141 554.4 60.8 91.2#



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

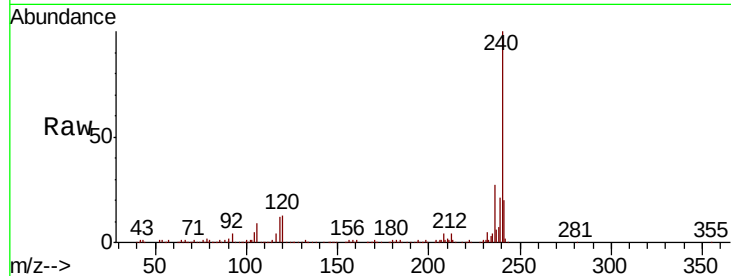




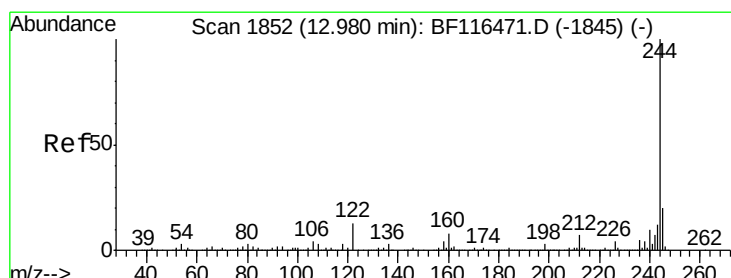
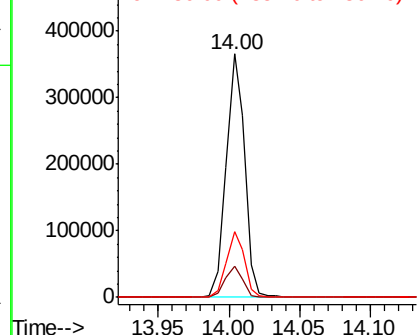
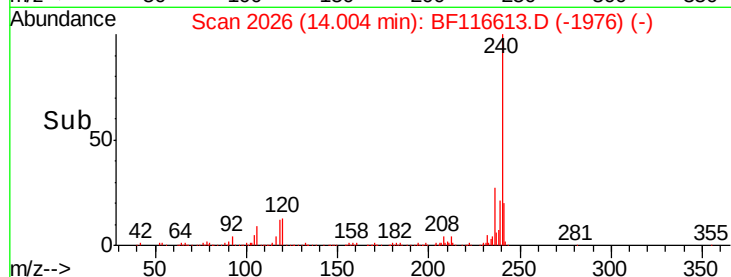
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116613.D
Acq: 28 Aug 2019 13:56

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	11.3	16.9
236	27.2	21.4	32.2

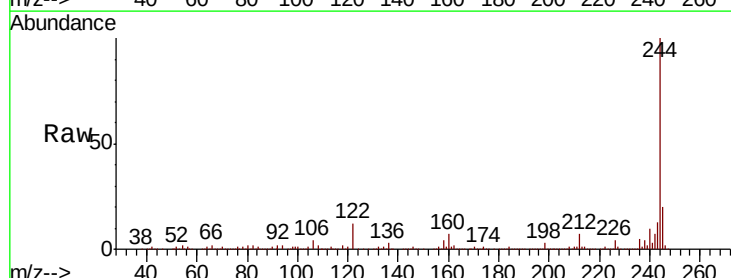


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

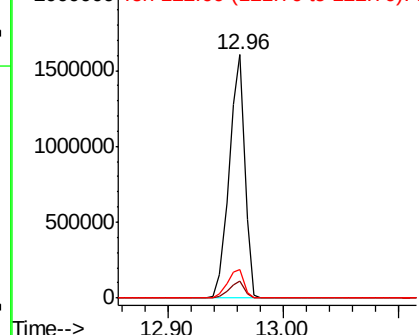
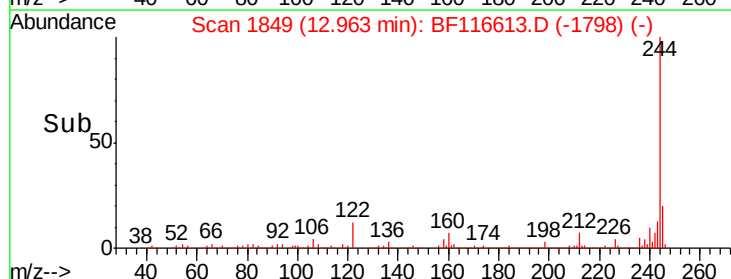


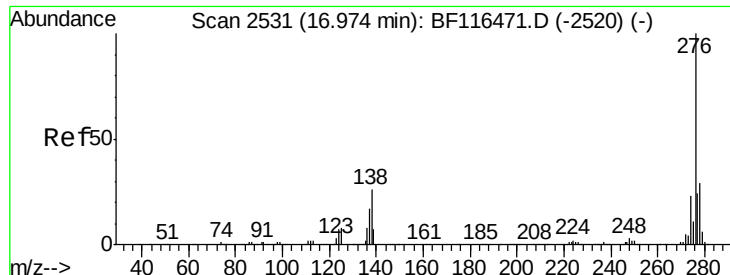
#79
Terphenyl-d14
Concen: 73.389 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.00 min
Lab File: BF116613.D
Acq: 28 Aug 2019 13:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	11.8	10.0	15.0



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

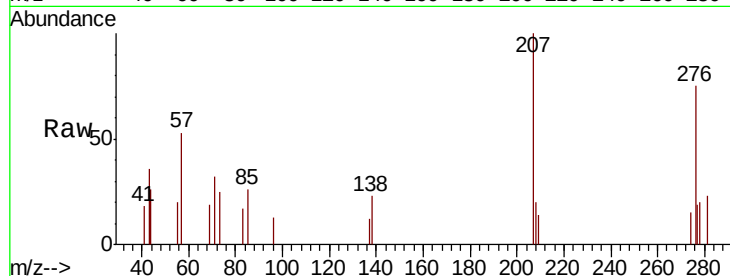




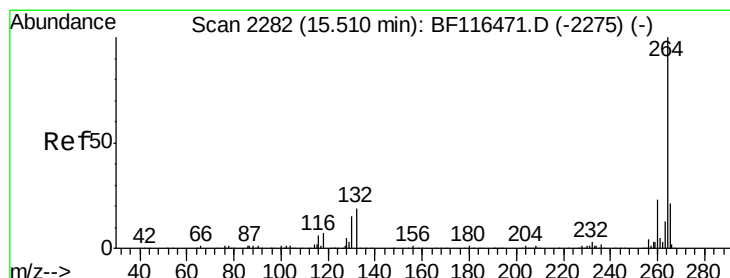
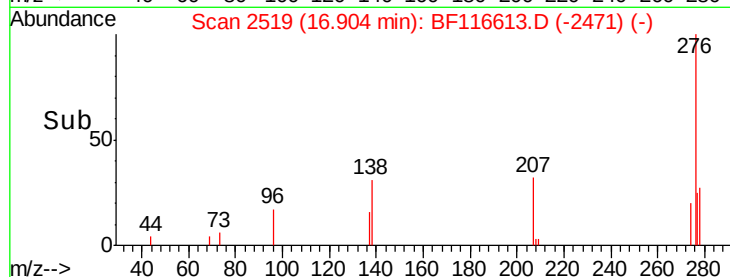
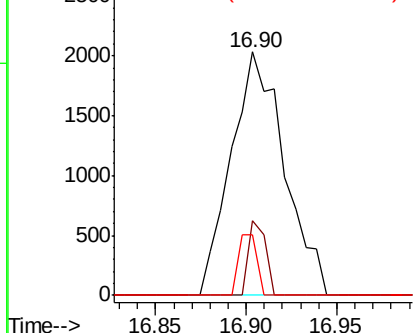
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.074 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.02 min
 Lab File: BF116613.D
 Acq: 28 Aug 2019 13:56

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
138	9.6	21.5	32.3#
277	8.6	20.0	30.0#

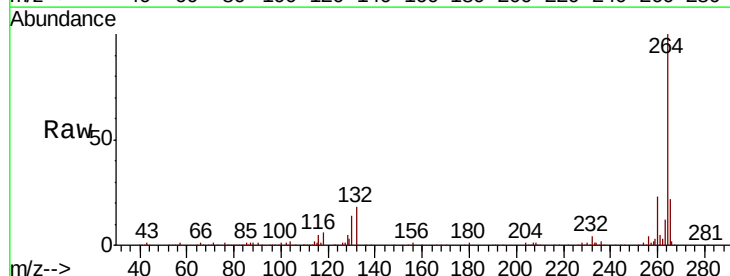


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116613.D
 Acq: 28 Aug 2019 13:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	20.0	30.0
265	21.6	17.6	26.4



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

