

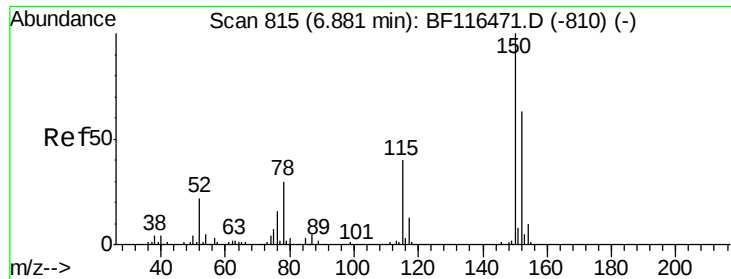
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
 Data File : BF116516.D
 Acq On : 24 Aug 2019 11:52
 Operator : HP/JU
 Sample : K4490-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 26 02:07:46 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	6.88	152	119549	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	438802	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	209172	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	333708	20.00	ng	0.00
76) Chrysene-d12	14.03	240	235424	20.00	ng	0.00
87) Perylene-d12	15.49	264	235730	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	641210	78.37	ng	0.00
7) Phenol-d6	6.50	99	870570	86.78	ng	0.00
23) Nitrobenzene-d5	7.44	82	502596	62.66	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	147114	81.91	ng	0.00
45) 2-Fluorobiphenyl	9.23	172	946351	72.86	ng	0.00
79) Terphenyl-d14	12.98	244	876496	69.54	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.44	70	67025	9.791	ng	# 78
25) Isophorone	7.44	82	502556	31.796	ng	# 67
50) Dimethylphthalate	9.62	163	77004	5.276	ng	100
57) 2,4-Dinitrotoluene	9.92	165	26317	6.924	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.70	198	159	7.105	ng	# 1
67) 4-Bromophenyl-phenylether	10.70	248	10372	2.965	ng	# 1
74) Di-n-butylphthalate	11.96	149	258513	12.723	ng	99
80) Butylbenzylphthalate	13.45	149	30632	3.767	ng	92
84) Bis(2-ethylhexyl)phthalate	14.02	149	34002	3.136	ng	98

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

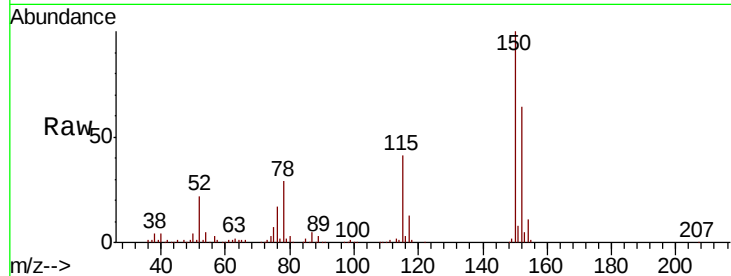


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.7	190.1
115	64.9	50.9	76.3

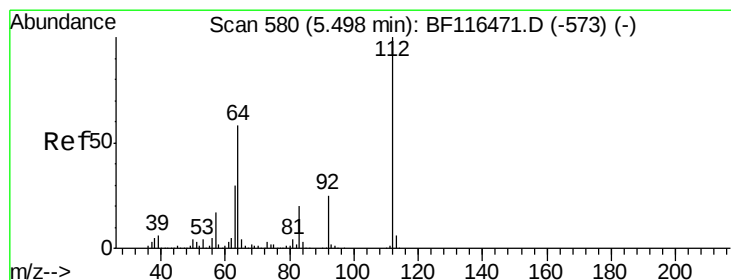
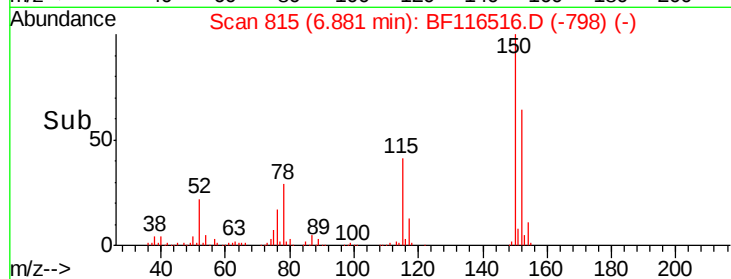
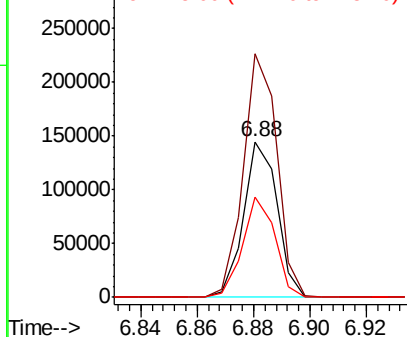


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

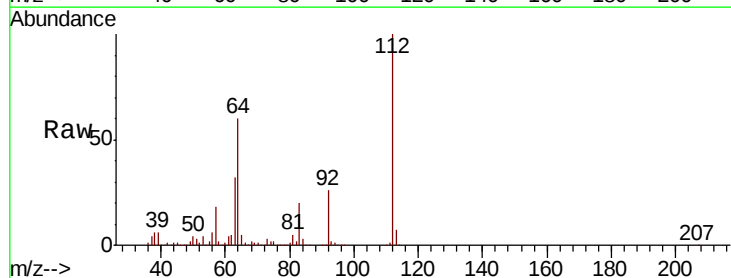
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.370 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	46.3	69.5
63	31.6	24.2	36.4

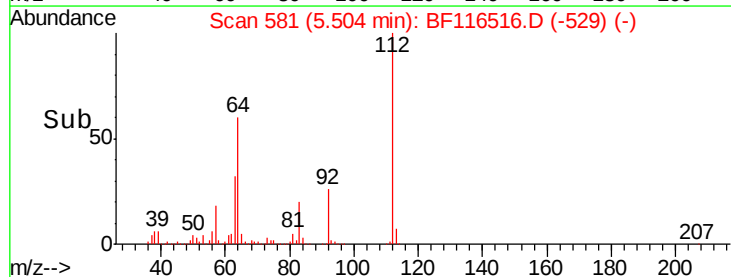
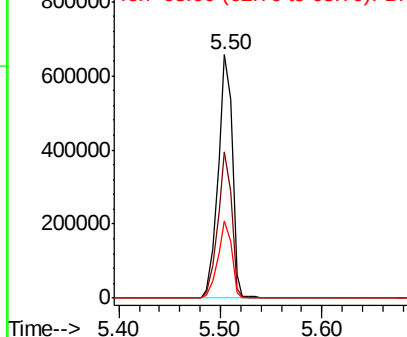


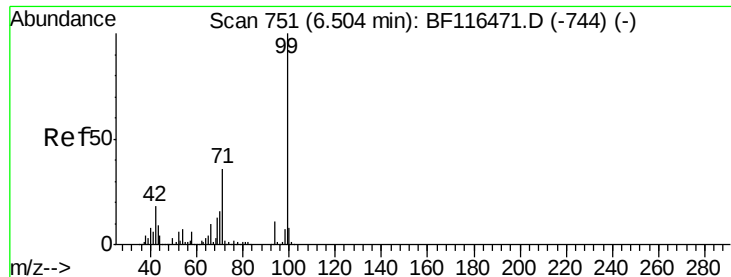
Abundance

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: 86.778 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF116516.D

Acq: 24 Aug 2019 11:52

Instrument :

BNA_F

ClientSampled :

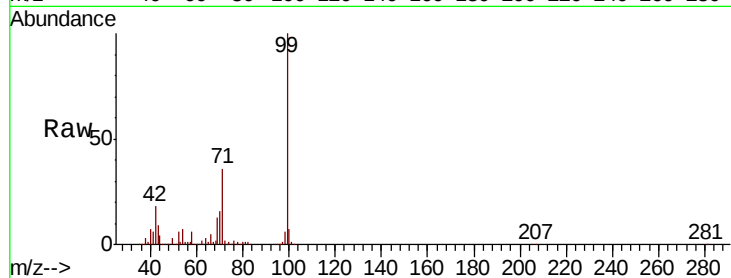
Tot Ion: 99 Resp: 870570

Ion Ratio Lower Upper

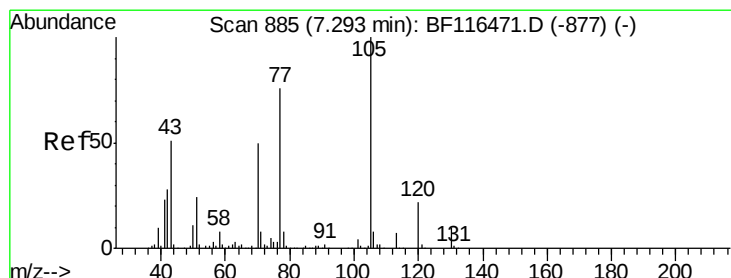
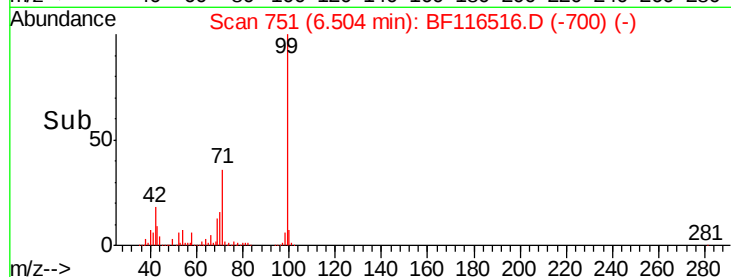
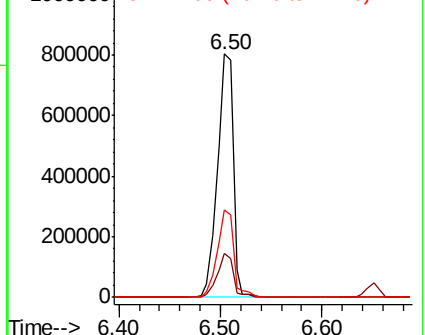
99 100

42 18.1 14.6 21.8

71 36.1 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: 9.791 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF116516.D

Acq: 24 Aug 2019 11:52

Tgt Ion: 70 Resp: 67025

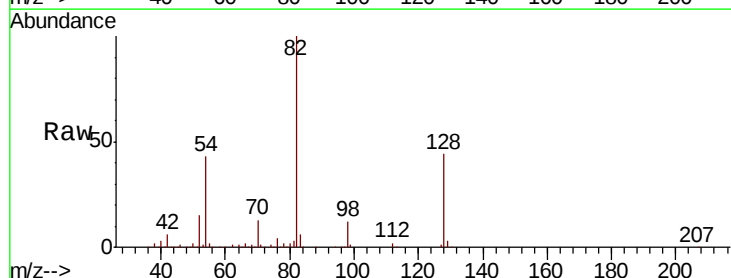
Ion Ratio Lower Upper

70 100

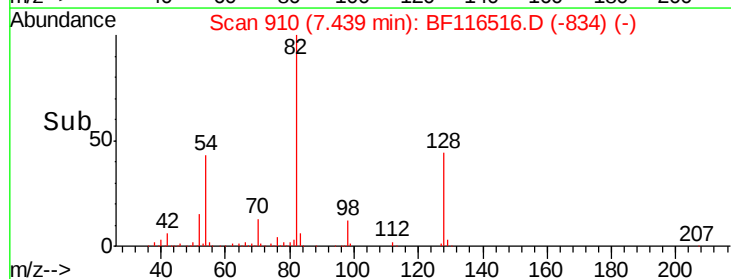
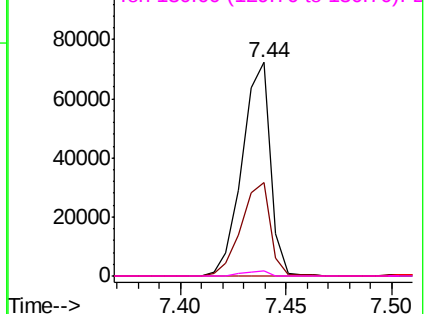
42 43.6 44.4 66.6#

101 0.0 7.1 10.7#

130 2.3 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): BF1
Ion 130.00 (129.70 to 130.70): BF1

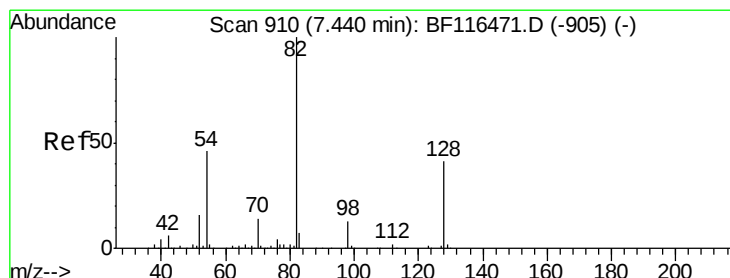
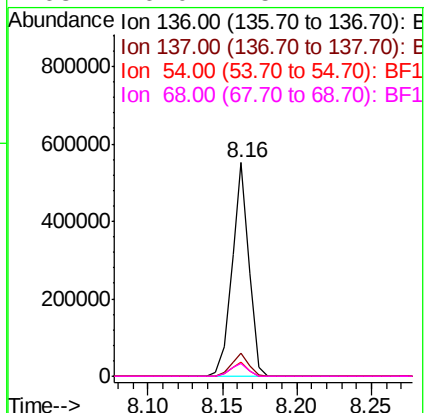
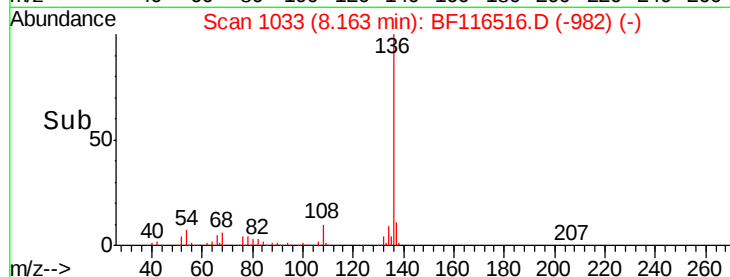
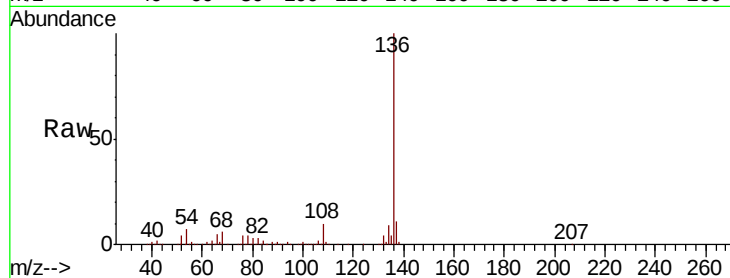




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

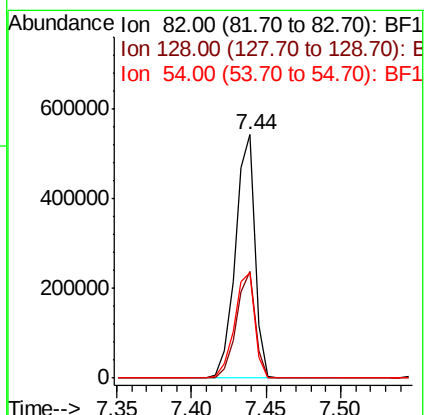
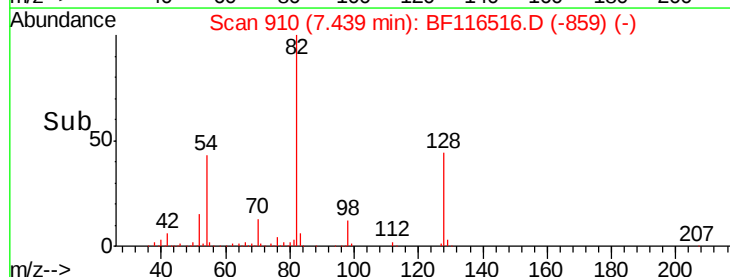
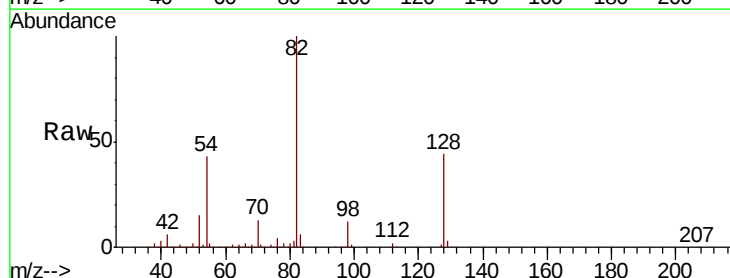
Instrument :
BNA_F
ClientSampleId :

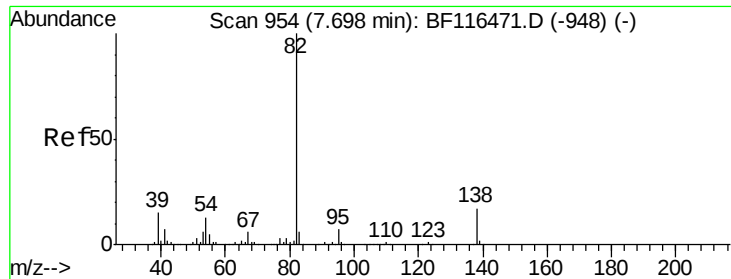
Tot Ion:136	Resp:	438802
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	6.7	5.8 8.6
68	6.0	5.1 7.7



#23
Nitrobenzene-d5
Concen: 62.664 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Tgt Ion: 82	Resp:	502596
Ion Ratio	Lower	Upper
82	100	
128	44.0	32.2 48.4
54	43.4	36.5 54.7





#25

Isophorone

Concen: 31.796 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF116516.D

Acq: 24 Aug 2019 11:52

Instrument :

BNA_F

ClientSampleId :

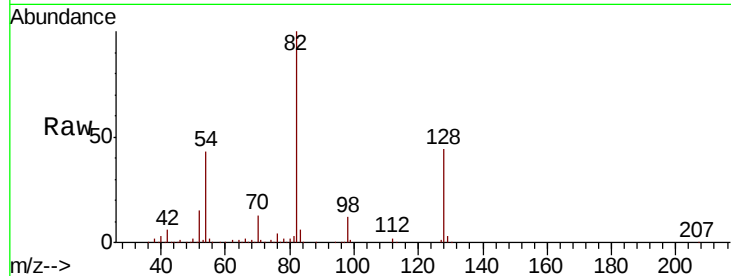
Tot Ion: 82 Resp: 502556

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

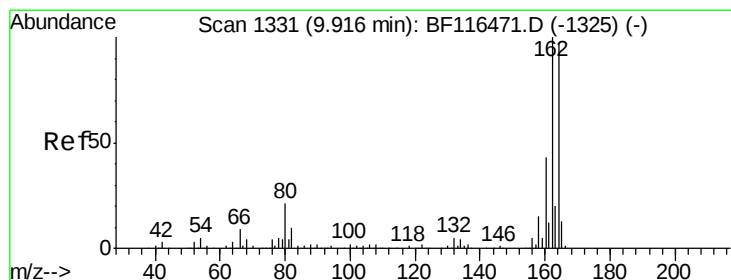
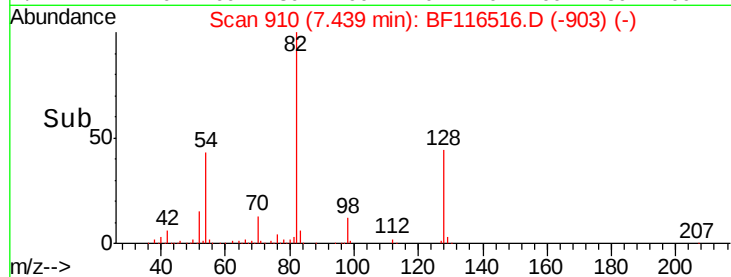
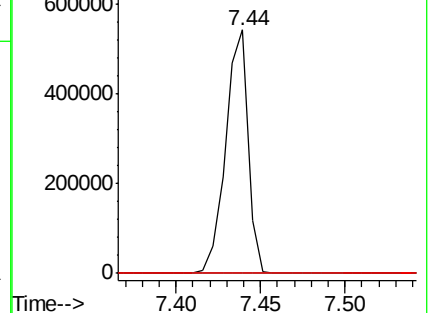
138 0.0 13.3 19.9#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

Lab File: BF116516.D

Acq: 24 Aug 2019 11:52

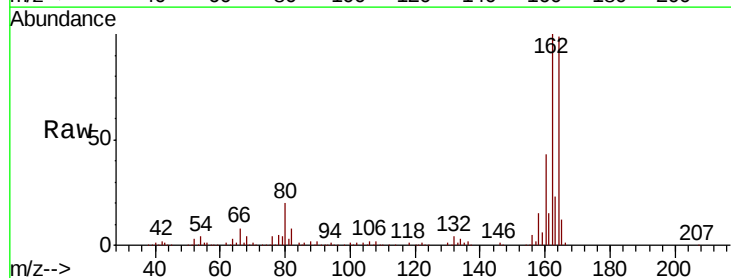
Tgt Ion: 164 Resp: 209172

Ion Ratio Lower Upper

164 100

162 100.9 82.6 123.8

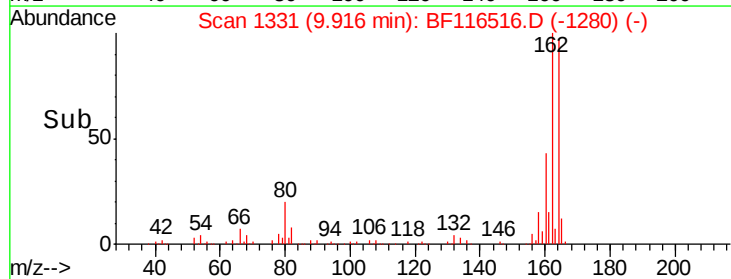
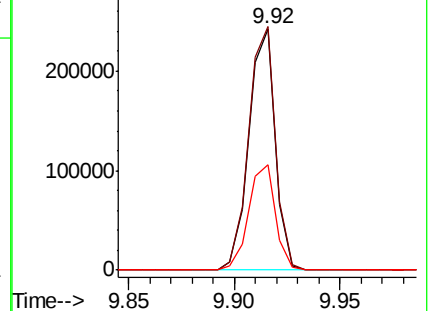
160 43.4 35.8 53.8

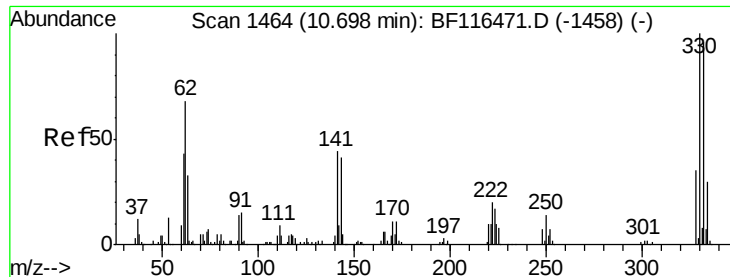


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 81.907 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.00 min

Lab File: BF116516.D

Acq: 24 Aug 2019 11:52

Instrument :

BNA_F

ClientSampled :

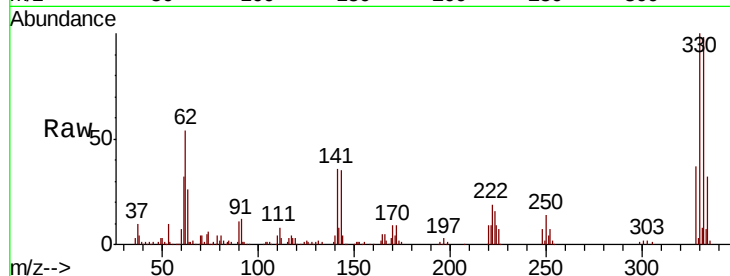
Tot Ion:330 Resp: 147114

Ion Ratio Lower Upper

330 100

332 96.4 77.2 115.8

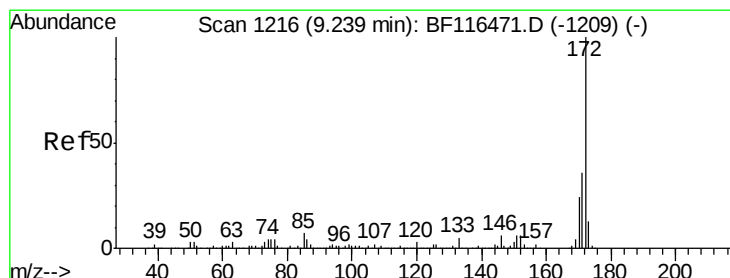
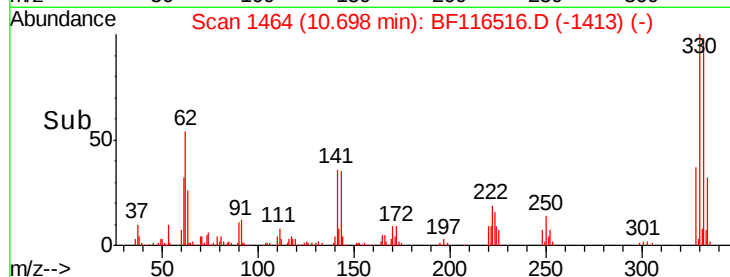
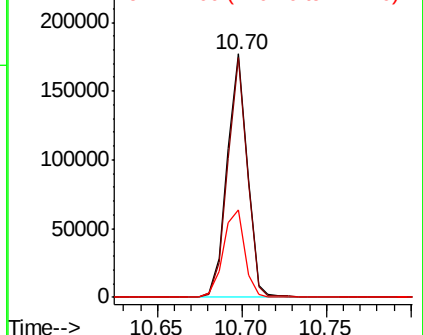
141 38.6 33.3 49.9



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: 72.859 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF116516.D

Acq: 24 Aug 2019 11:52

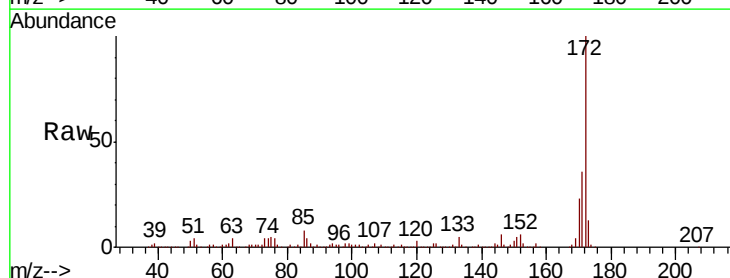
Tgt Ion:172 Resp: 946351

Ion Ratio Lower Upper

172 100

171 36.0 28.9 43.3

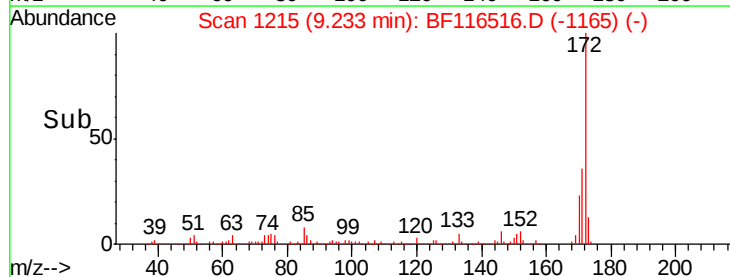
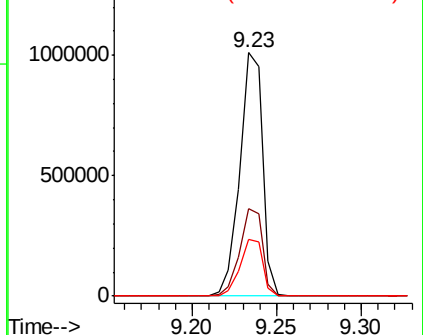
170 23.1 19.4 29.0

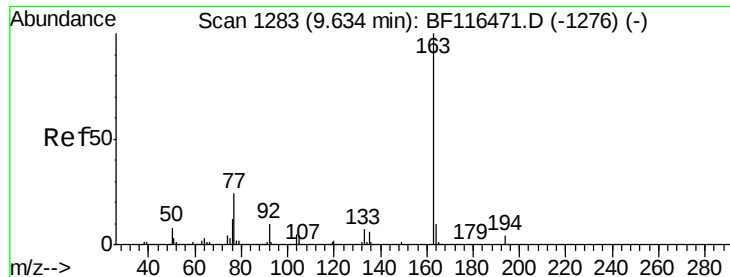


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

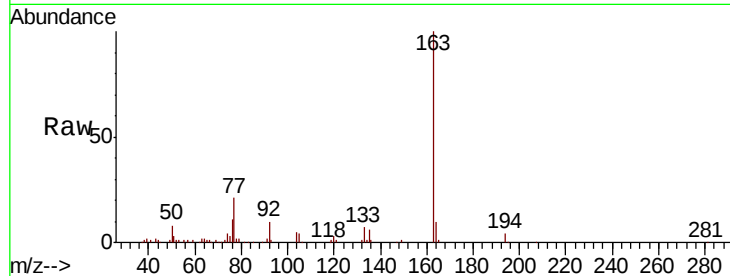




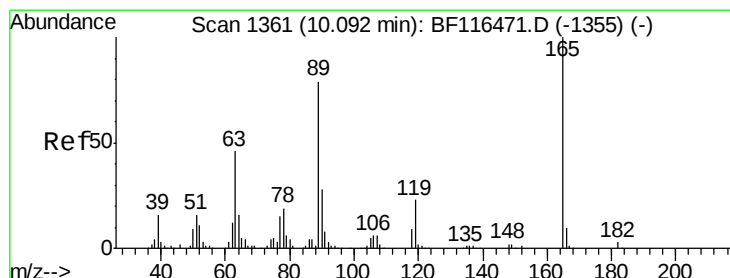
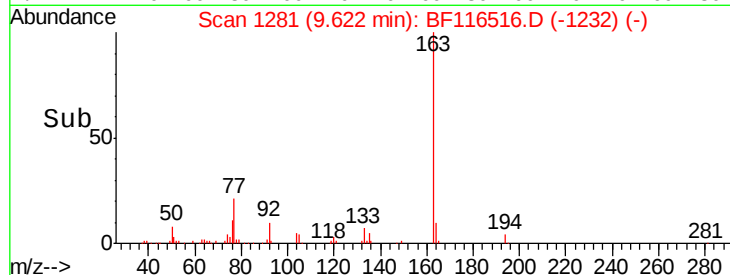
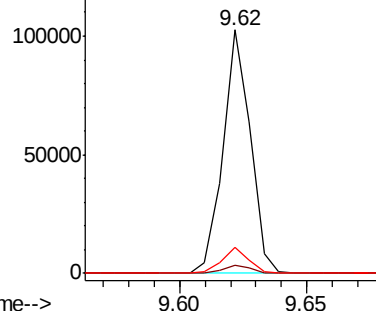
#50
Dimethylphthalate
Concen: 5.276 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 77004
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.4 8.2 12.2

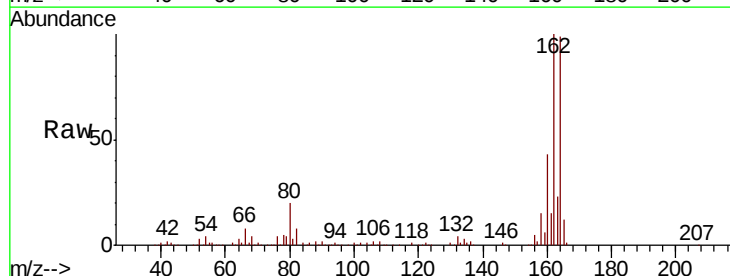


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

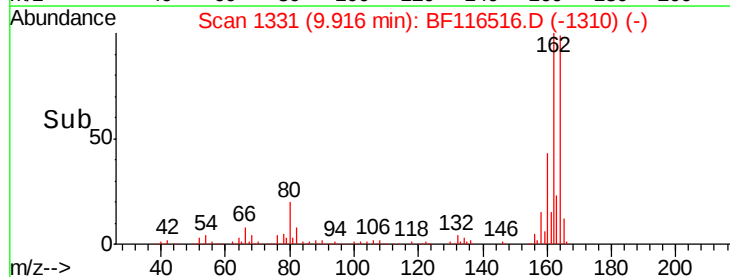
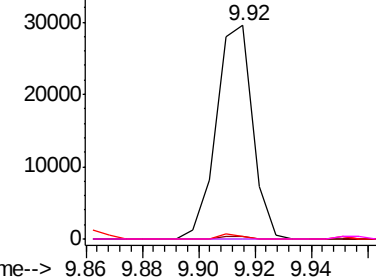


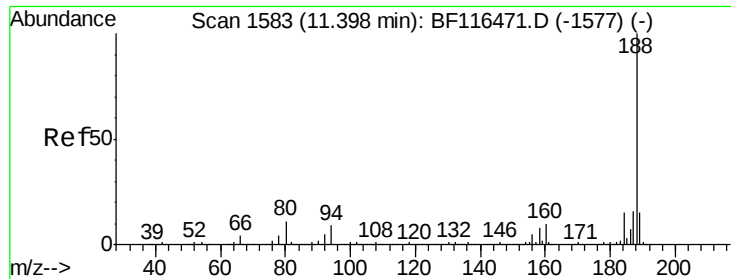
#57
2,4-Dinitrotoluene
Concen: 6.924 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.18 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Tgt Ion:165 Resp: 26317
Ion Ratio Lower Upper
165 100
63 1.4 36.9 55.3#
89 1.4 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

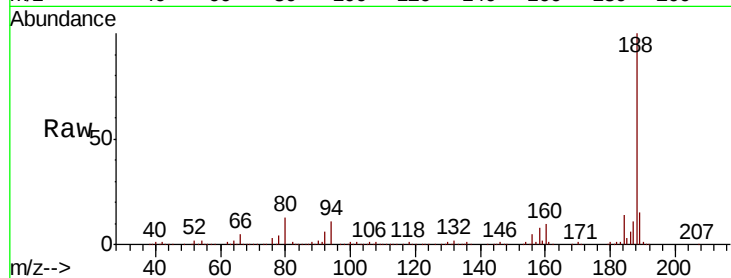




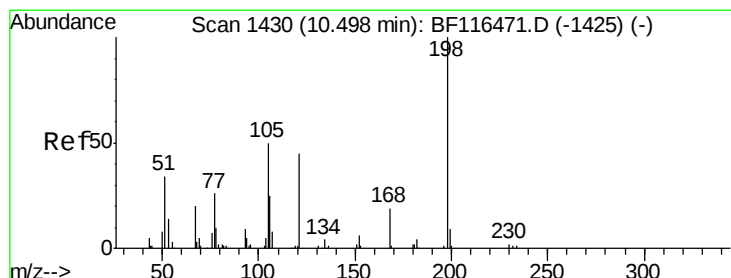
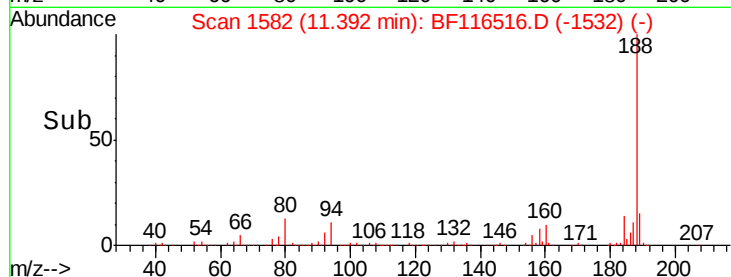
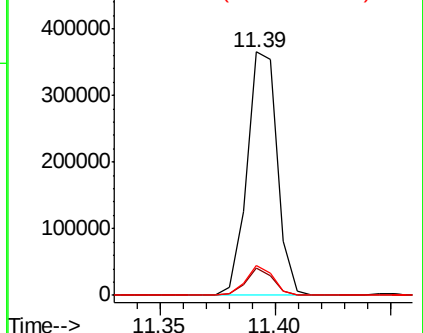
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 333708
Ion Ratio Lower Upper
188 100
94 11.0 7.4 11.2
80 12.5 8.6 12.8

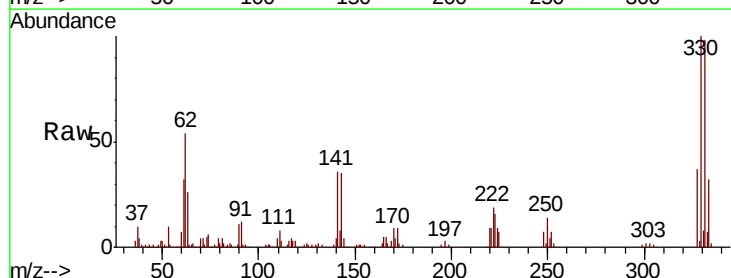


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

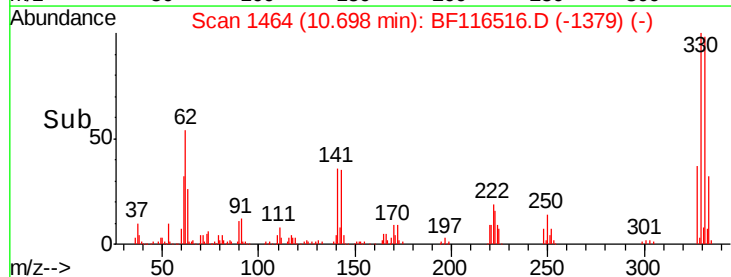
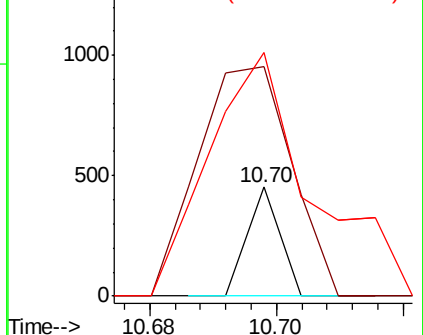


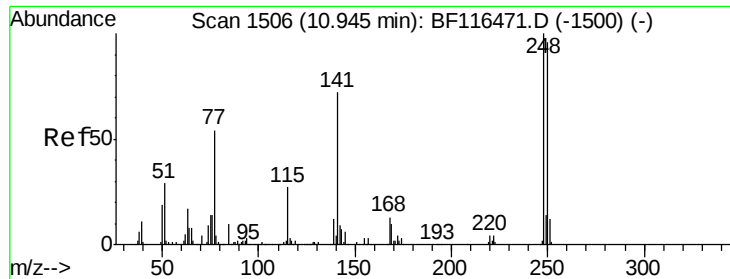
#65
4,6-Dinitro-2-methylphenol
Concen: 7.105 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.20 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Tgt Ion:198 Resp: 159
Ion Ratio Lower Upper
198 100
51 210.4 30.4 70.4#
105 223.7 32.8 72.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

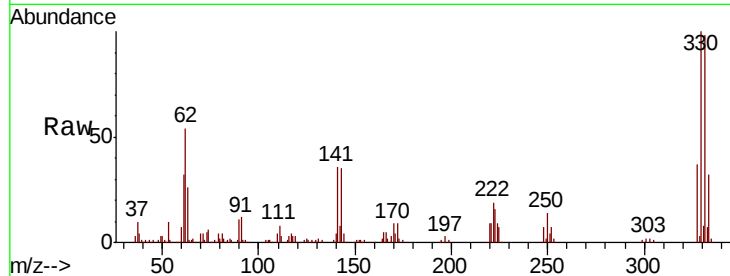




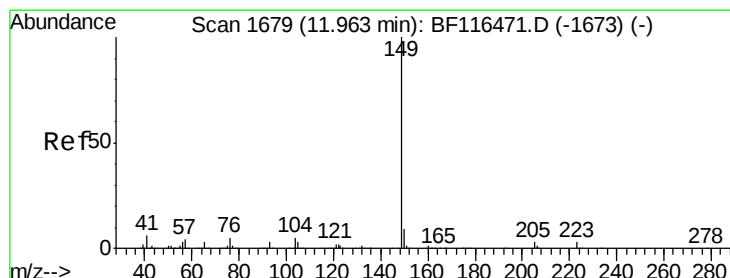
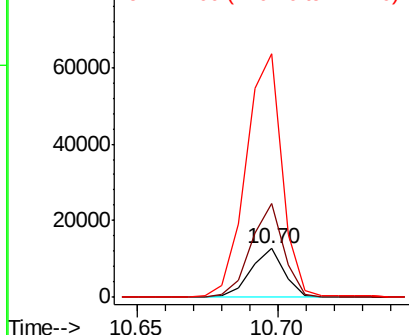
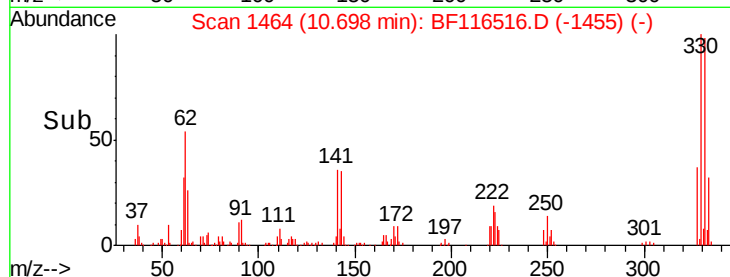
#67
 4-Bromophenyl-phenylether
 Concen: 2.965 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.25 min
 Lab File: BF116516.D
 Acq: 24 Aug 2019 11:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10372
 Ion Ratio Lower Upper
 248 100
 250 192.9 77.0 115.6#
 141 502.1 57.4 86.0#

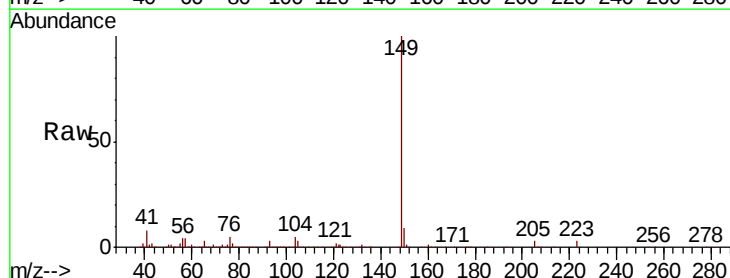


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

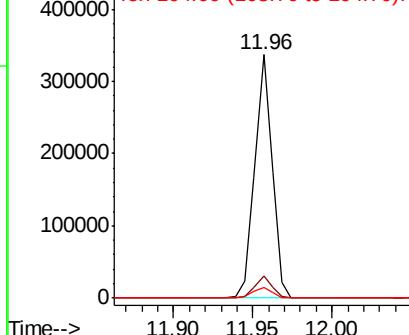
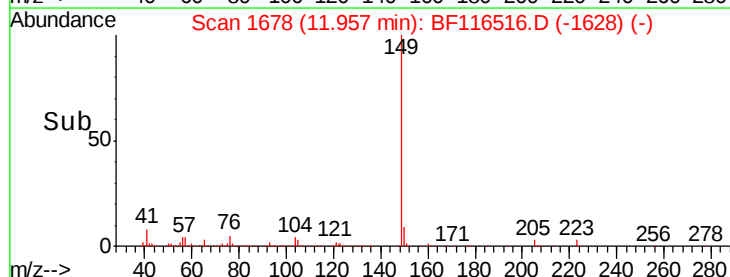


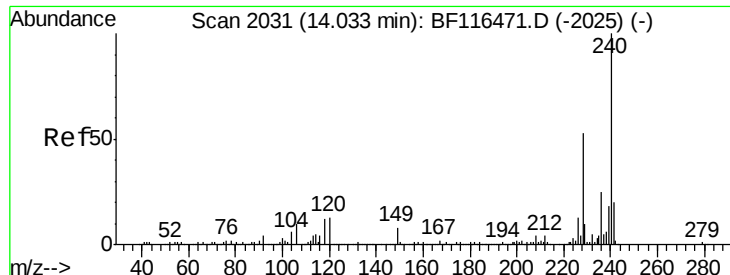
#74
 Di-n-butylphthalate
 Concen: 12.723 ng
 RT: 11.96 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: BF116516.D
 Acq: 24 Aug 2019 11:52

Tgt Ion:149 Resp: 258513
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 4.6 4.1 6.1



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E

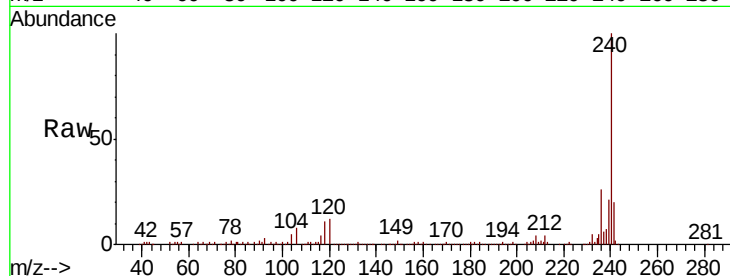




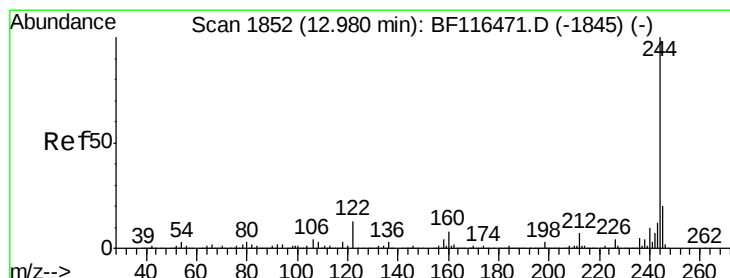
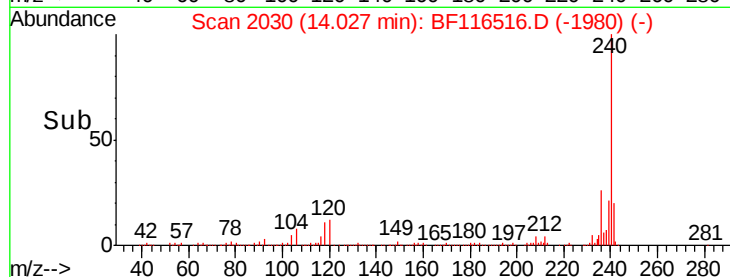
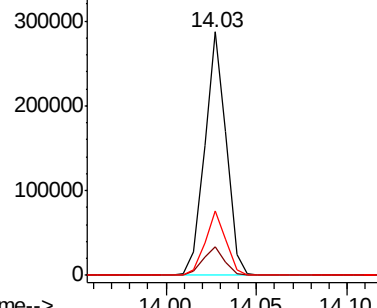
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.5	15.7
236	26.3	20.2	30.2

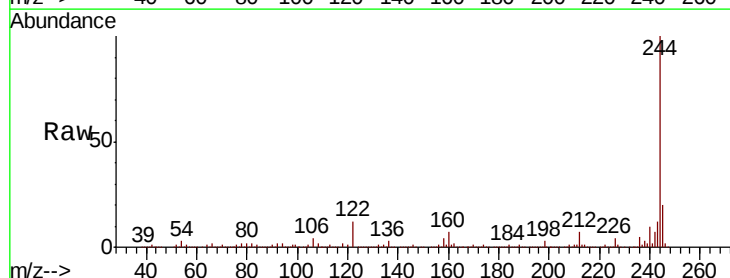


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

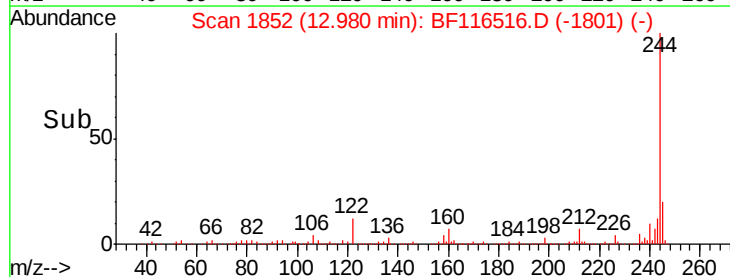
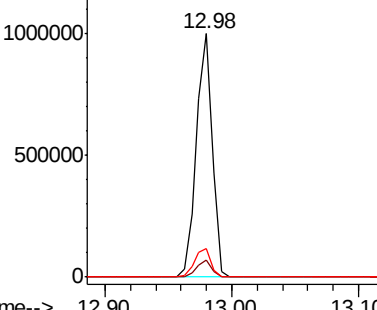


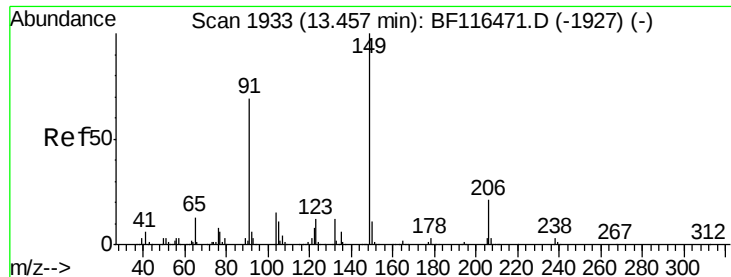
#79
Terphenyl-d14
Concen: 69.543 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	11.9	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

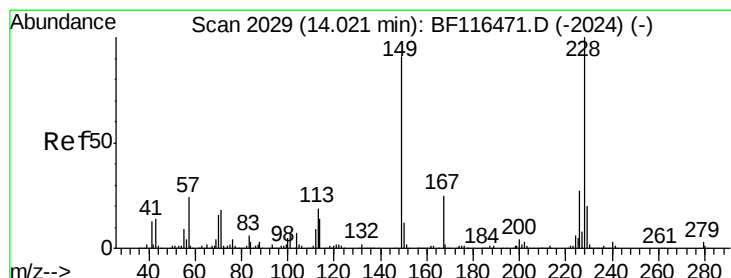
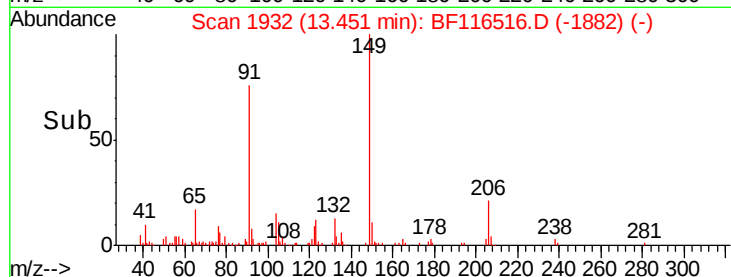
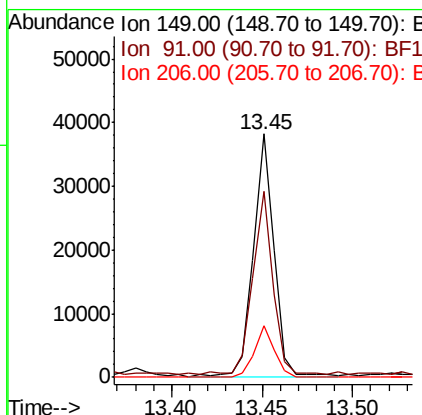
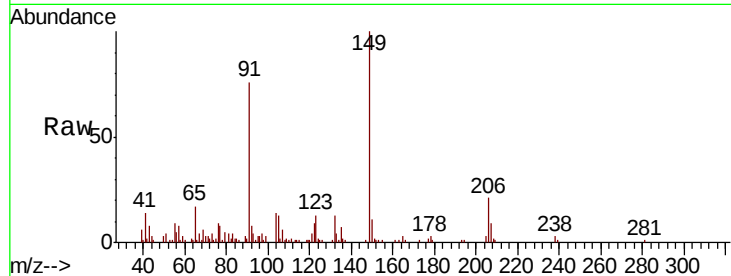




#80
Butylbenzylphthalate
Concen: 3.767 ng
RT: 13.45 min Scan# 1932
Delta R.T. -0.01 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

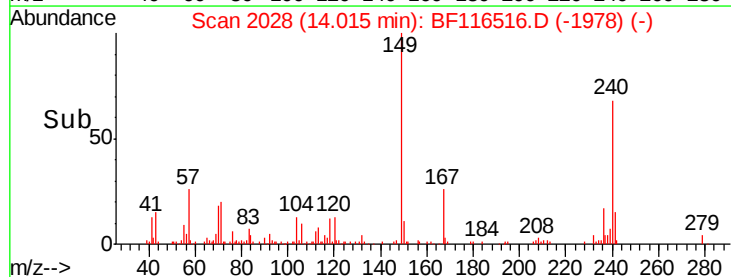
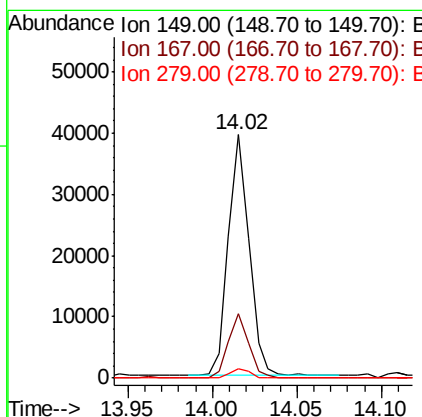
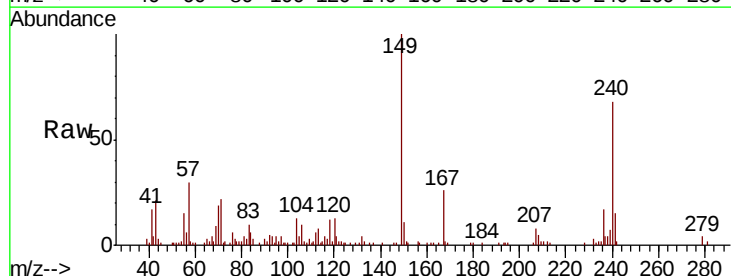
Instrument :
BNA_F
ClientSampled :

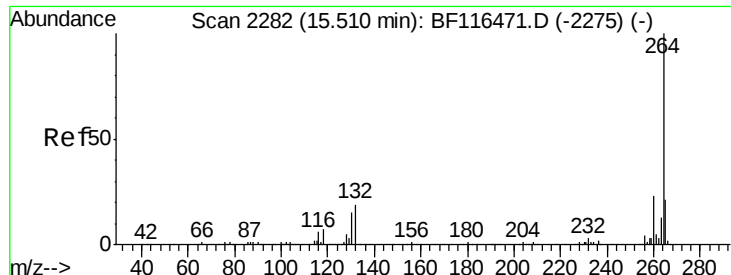
Tot Ion	Ratio	Lower	Upper
149	100		
91	76.3	54.9	82.3
206	21.3	16.6	24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.136 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116516.D
Acq: 24 Aug 2019 11:52

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.8	32.6
279	4.0	3.0	4.4





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.02 min
 Lab File: BF116516.D
 Acq: 24 Aug 2019 11:52

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.8	28.2
265	22.1	17.1	25.7

