

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116779.D
 Acq On : 3 Sep 2019 18:19
 Operator : HP/JU
 Sample : K4554-40
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 01:27:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	124290	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	502340	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	257186	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	422159	20.00	ng	0.00
76) Chrysene-d12	13.99	240	282037	20.00	ng	0.00
87) Perylene-d12	15.44	264	318775	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	602511	78.53	ng	0.00
7) Phenol-d6	6.47	99	850176	84.39	ng	0.00
23) Nitrobenzene-d5	7.40	82	513919	58.40	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	146725	85.34	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	874707	57.37	ng	0.00
79) Terphenyl-d14	12.95	244	813984	53.39	ng	0.00

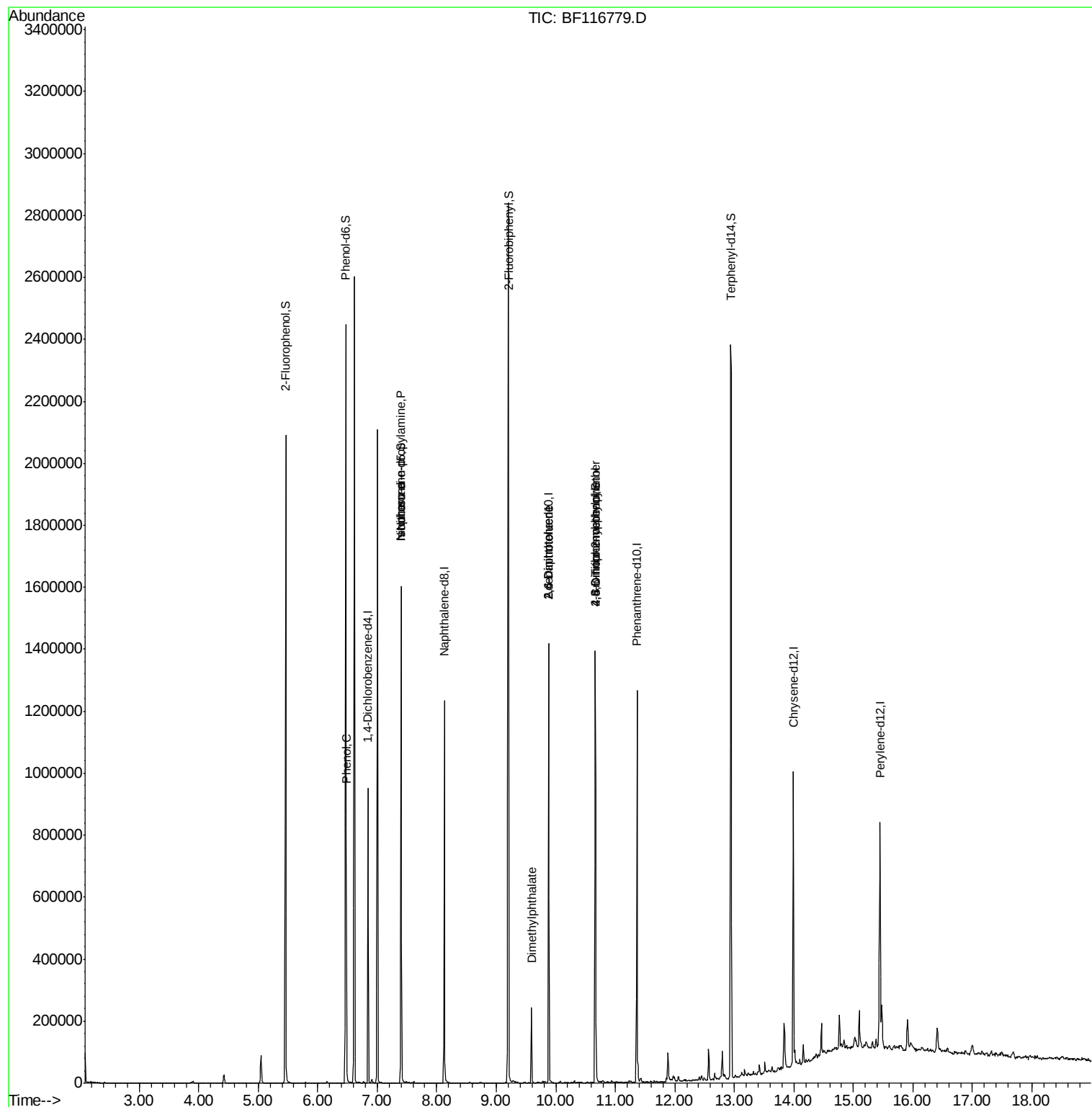
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	30389	2.724	ng	86
19) n-Nitroso-di-n-propylamine	7.40	70	66382	10.008	ng	# 71
25) Isophorone	7.40	82	513911	28.822	ng	# 66
50) Dimethylphthalate	9.59	163	91256	5.139	ng	97
51) 2,6-Dinitrotoluene	9.88	165	33363	9.848	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	33363	8.054	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.66	198	324	7.627	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	8771	2.045	ng	# 1

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

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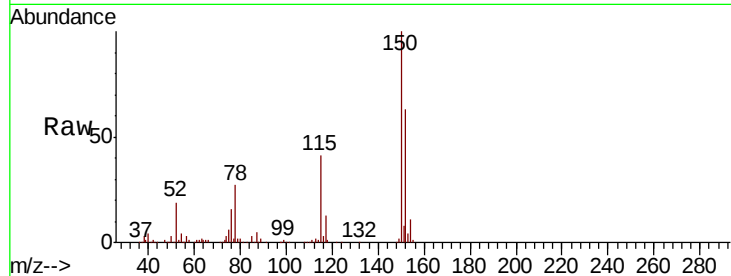


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.4	186.6
115	64.7	49.9	74.9

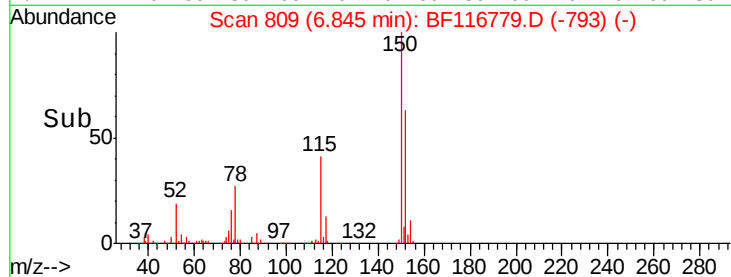
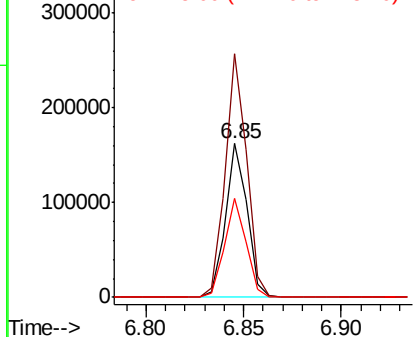


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

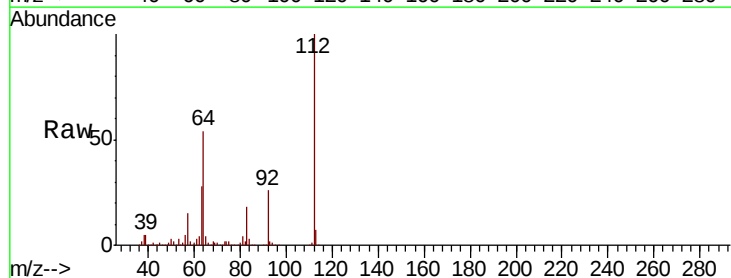
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 78.534 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.1	70.7
63	27.5	24.9	37.3

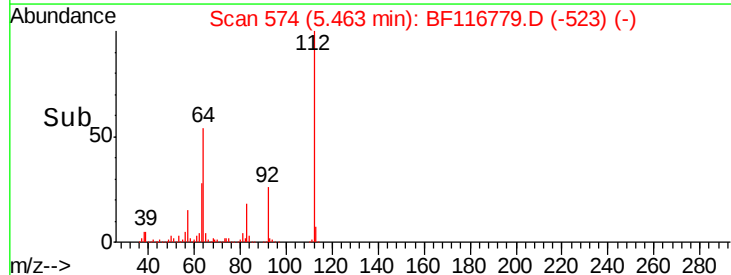
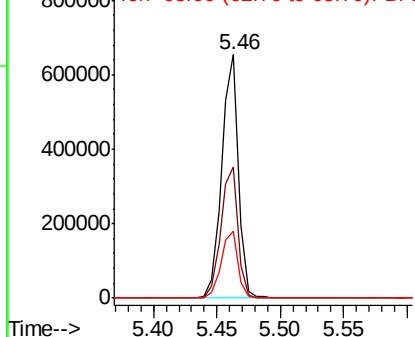


Abundance

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: 84.392 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116779.D

Acq: 3 Sep 2019 18:19

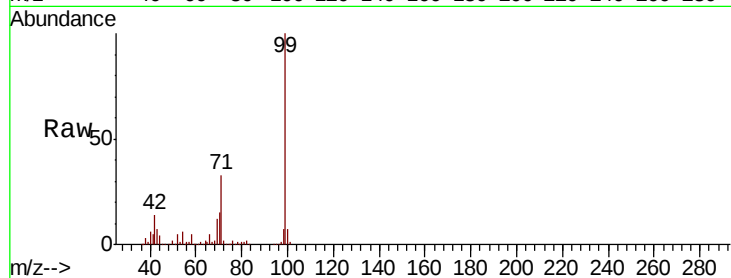
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 850176

Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.7	20.5
71	33.3	30.8	46.2

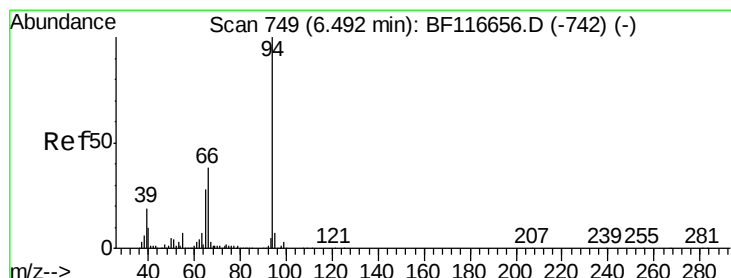
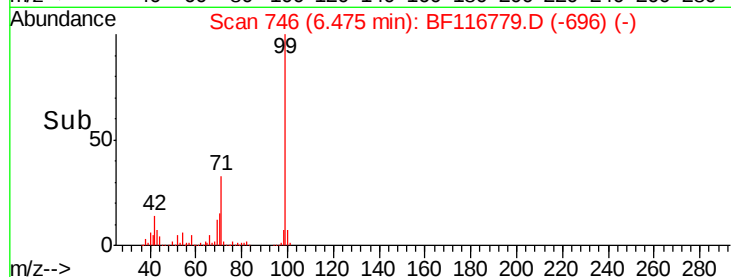
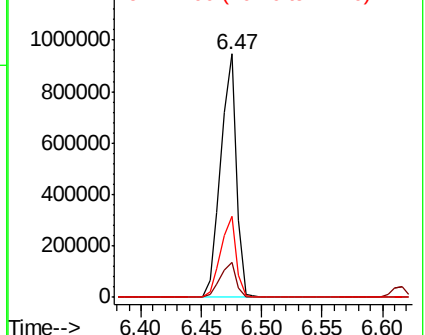


Abundance

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



#10

Phenol

Concen: 2.724 ng

RT: 6.49 min Scan# 748

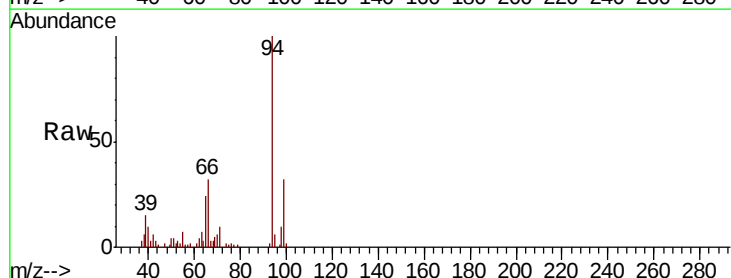
Delta R.T. -0.01 min

Lab File: BF116779.D

Acq: 3 Sep 2019 18:19

Tgt Ion: 94 Resp: 30389

Ion	Ratio	Lower	Upper
94	100		
65	24.1	10.8	50.8
66	31.6	21.1	61.1

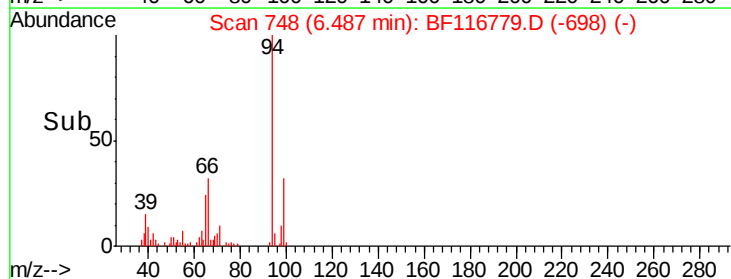
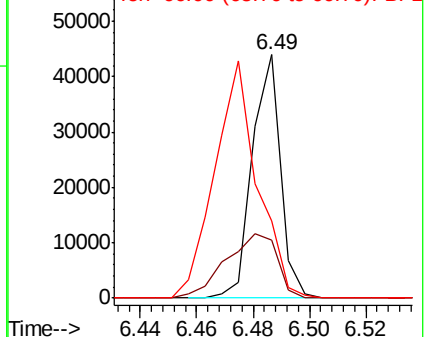


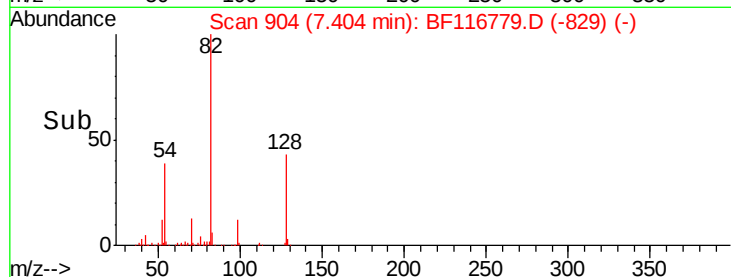
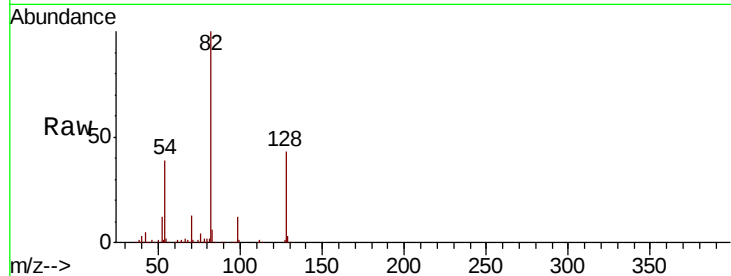
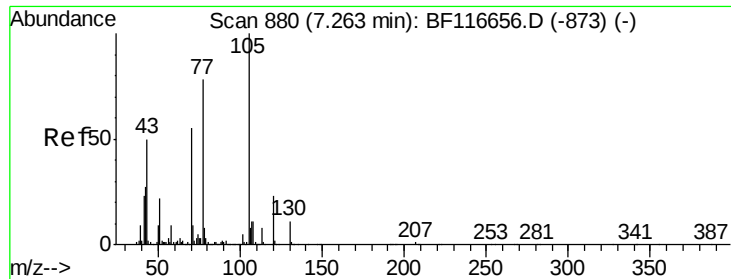
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

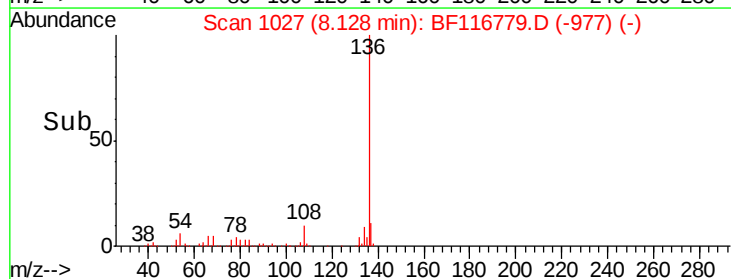
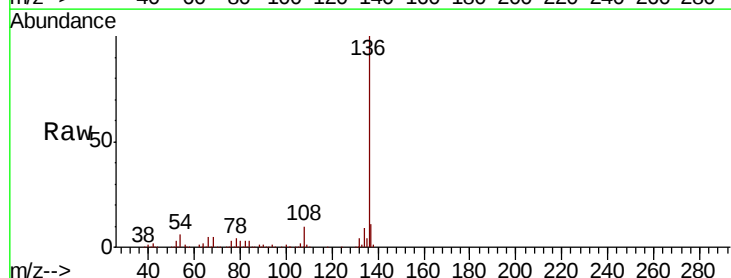
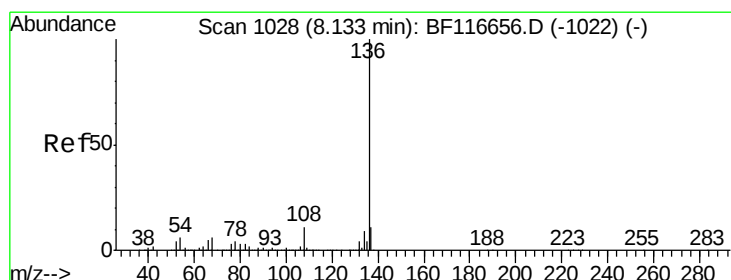
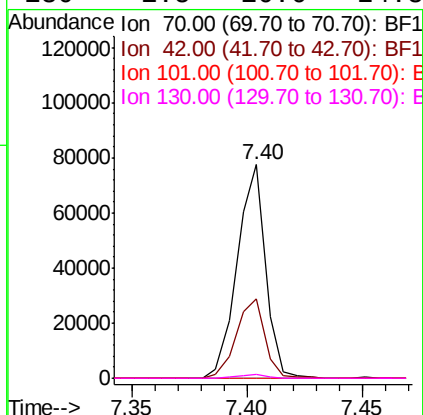




#19
n-Nitroso-di-n-propylamine
Concen: 10.008 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

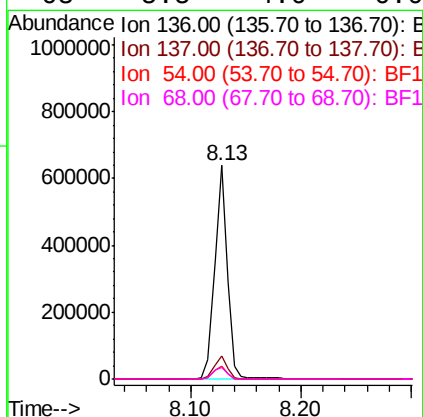
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	66382
Ion	Ratio	Lower	Upper
70	100		
42	37.1	43.5	65.3#
101	0.0	7.8	11.6#
130	1.5	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Tgt Ion:	136	Resp:	502340
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.8	4.8	7.2
68	5.5	4.0	6.0

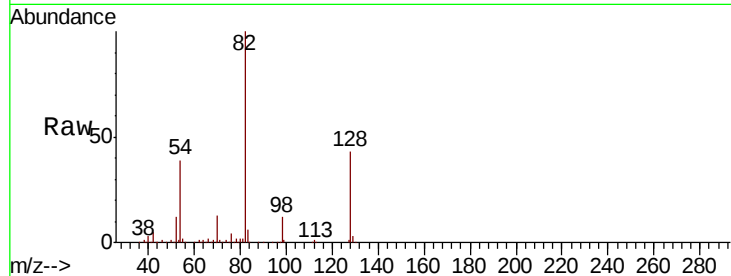




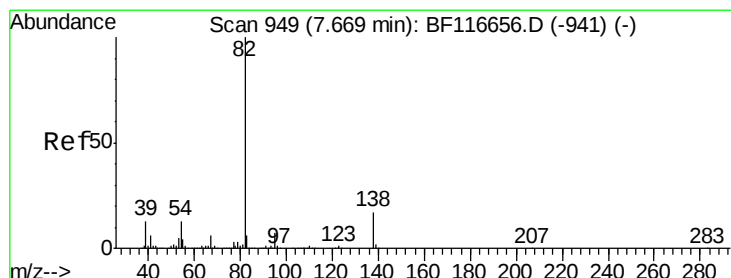
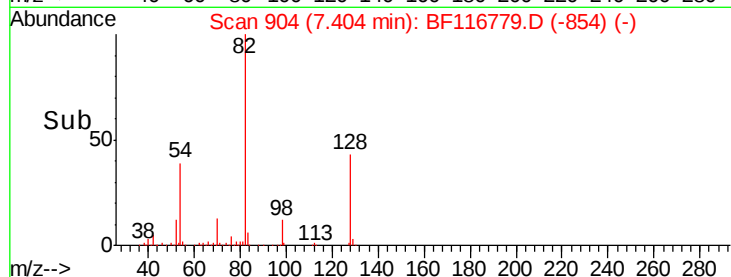
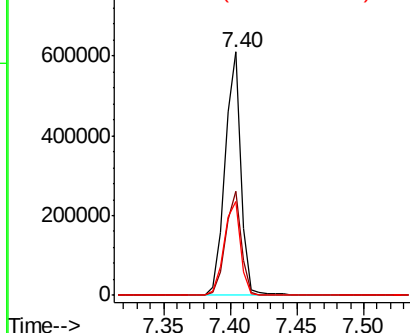
#23
Nitrobenzene-d5
Concen: 58.403 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	513919
Ion Ratio	Lower	Upper	
82	100		
128	42.9	32.8	49.2
54	38.6	36.9	55.3

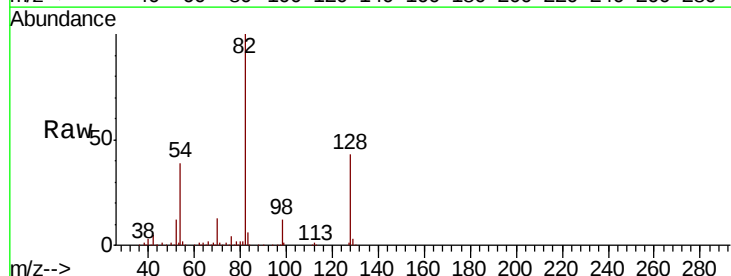


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

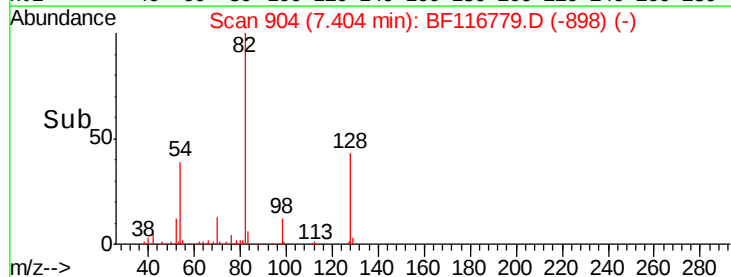
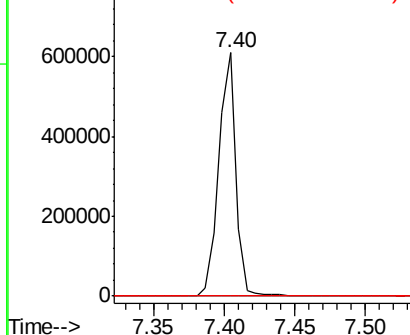


#25
Isophorone
Concen: 28.822 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Tgt Ion	82	Resp	513911
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#



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

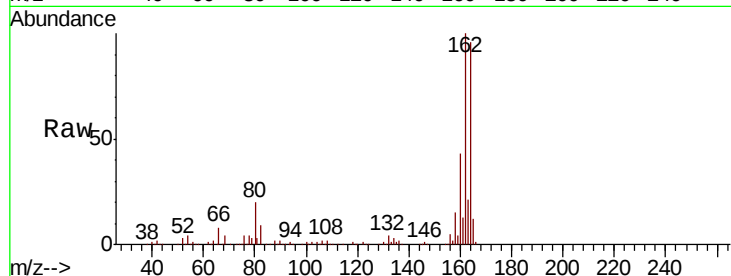




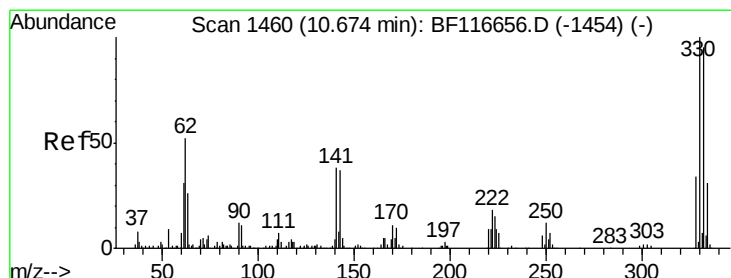
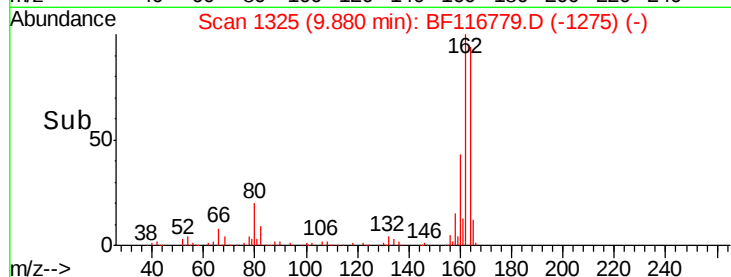
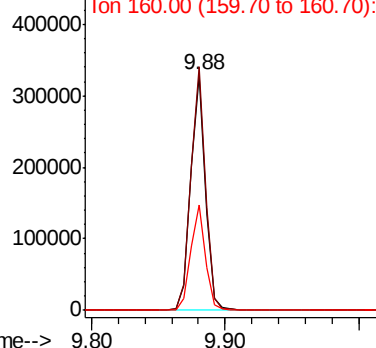
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 257186
Ion Ratio Lower Upper
164 100
162 103.7 81.4 122.0
160 44.8 35.4 53.2

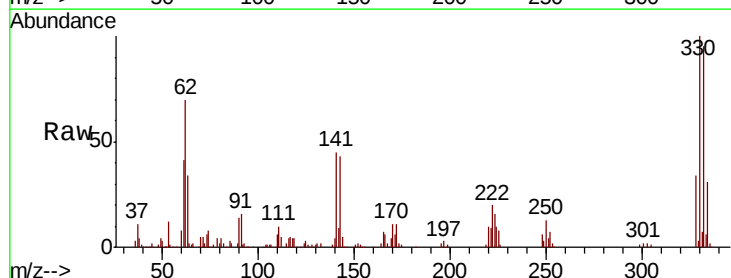


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

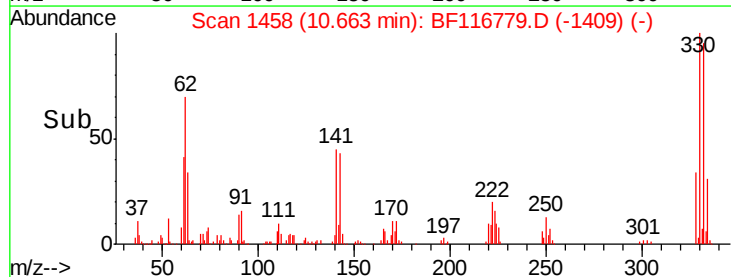
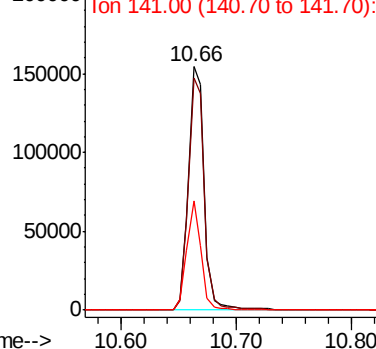


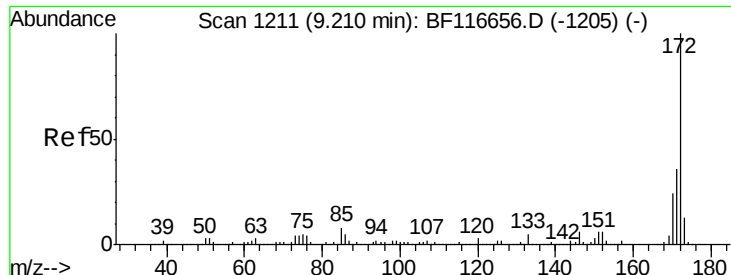
#42
2,4,6-Tribromophenol
Concen: 85.338 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Tgt Ion:330 Resp: 146725
Ion Ratio Lower Upper
330 100
332 96.0 76.9 115.3
141 40.6 31.4 47.2



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

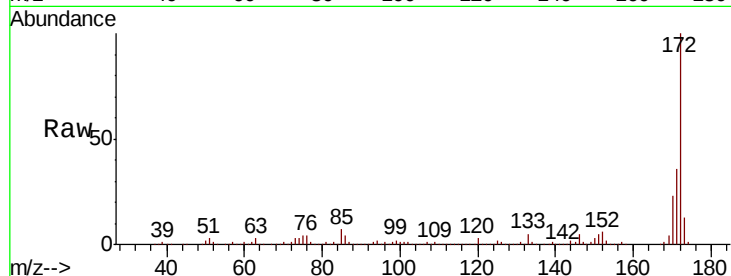




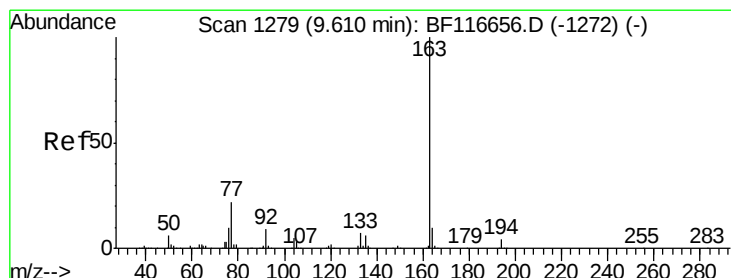
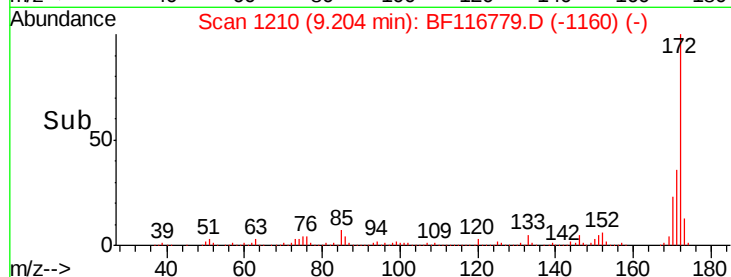
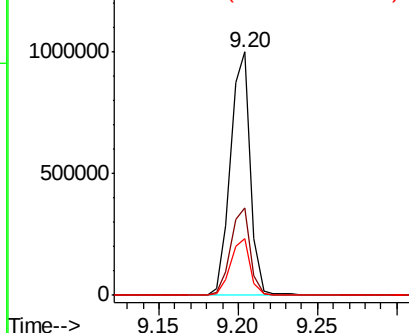
#45
2-Fluorobiphenyl
Concen: 57.372 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.6
170	23.4	18.9	28.3

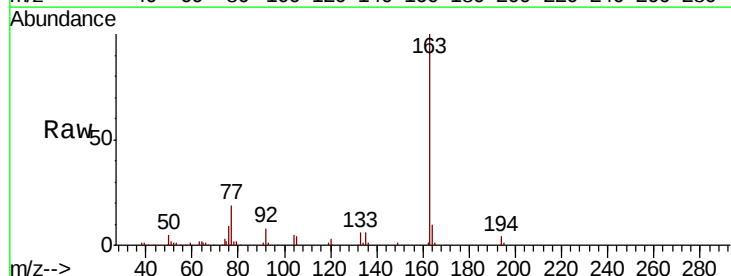


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

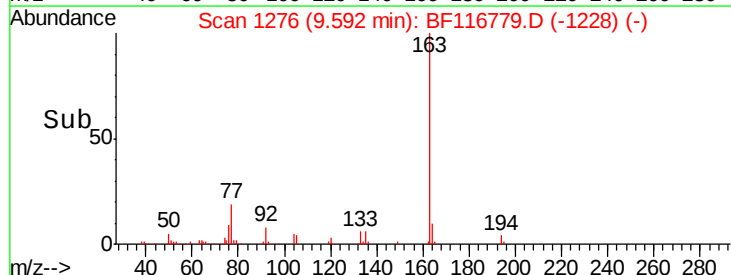
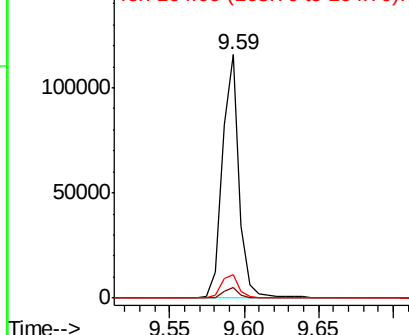


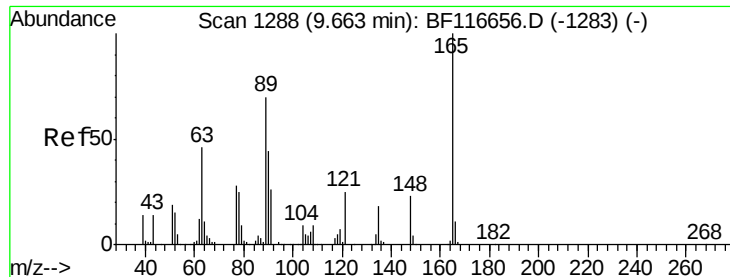
#50
Dimethylphthalate
Concen: 5.139 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116779.D
Acq: 3 Sep 2019 18:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	9.5	8.6	12.8



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





#51

2,6-Dinitrotoluene

Concen: 9.848 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116779.D

Acq: 3 Sep 2019 18:19

Instrument :

BNA_F

ClientSampleId :

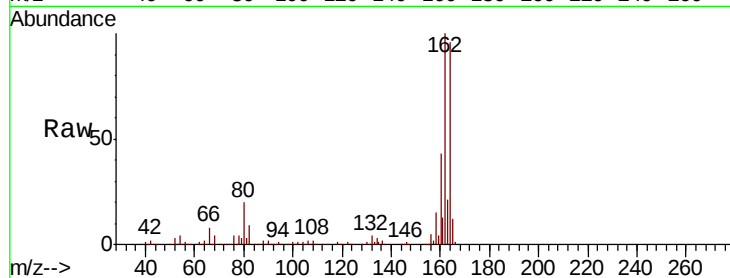
Tot Ion:165 Resp: 33363

Ion Ratio Lower Upper

165 100

63 1.0 47.3 70.9#

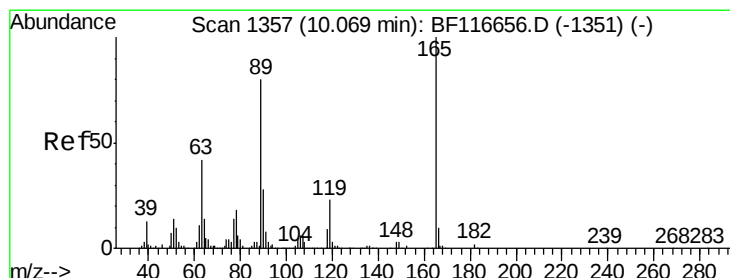
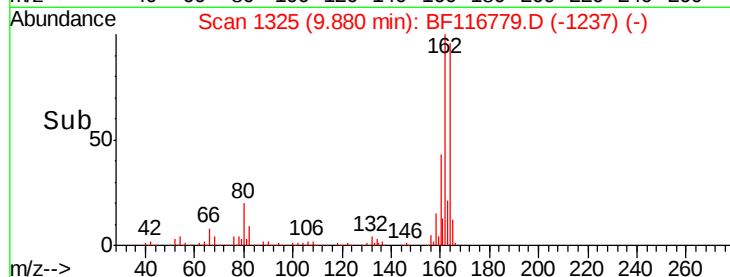
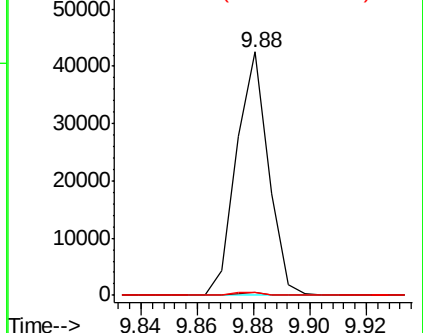
89 1.0 52.5 78.7#



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: 8.054 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116779.D

Acq: 3 Sep 2019 18:19

Tgt Ion:165 Resp: 33363

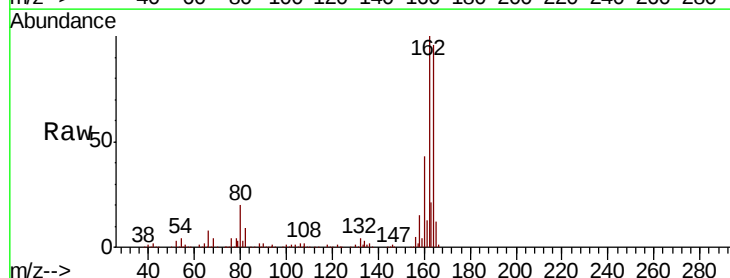
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.0 62.6 94.0#

182 0.0 2.1 3.1#

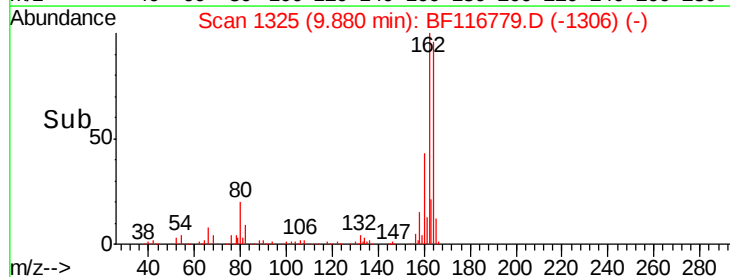
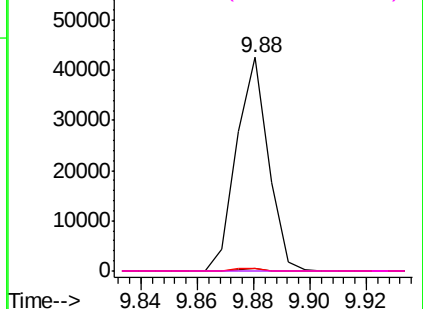


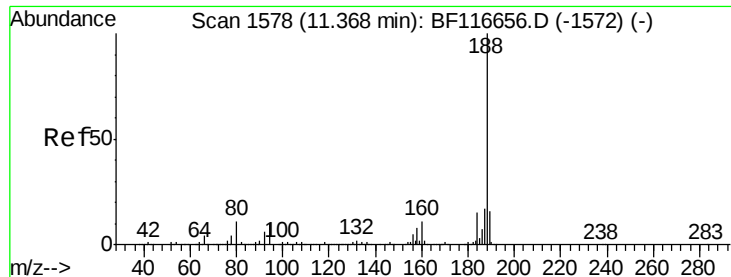
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116779.D

Acq: 3 Sep 2019 18:19

Instrument :

BNA_F

ClientSampleId :

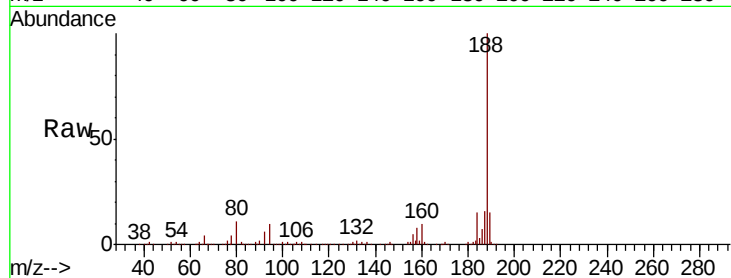
Tot Ion:188 Resp: 422159

Ion Ratio Lower Upper

188 100

94 10.2 7.3 10.9

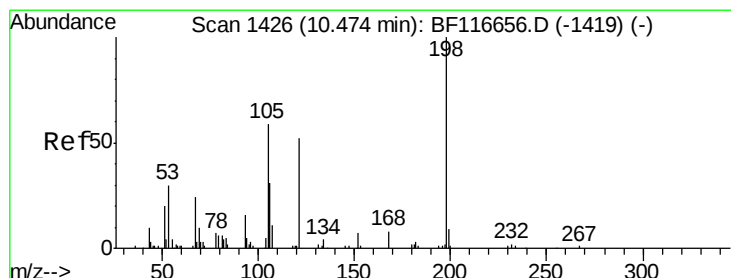
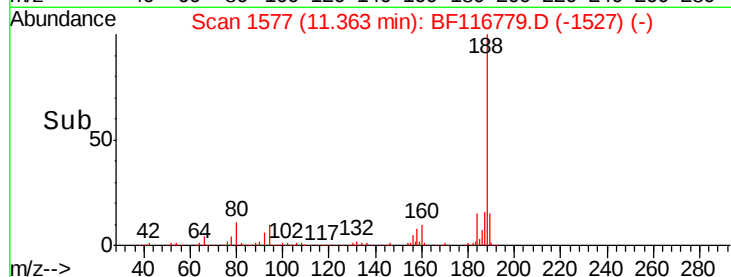
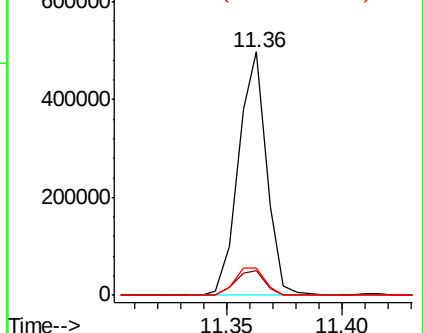
80 11.3 8.4 12.6



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: 7.627 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116779.D

Acq: 3 Sep 2019 18:19

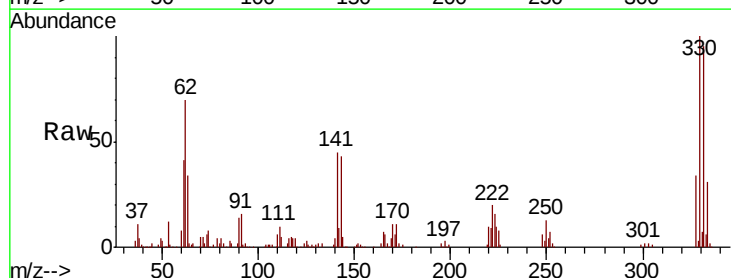
Tgt Ion:198 Resp: 324

Ion Ratio Lower Upper

198 100

51 120.9 18.4 58.4#

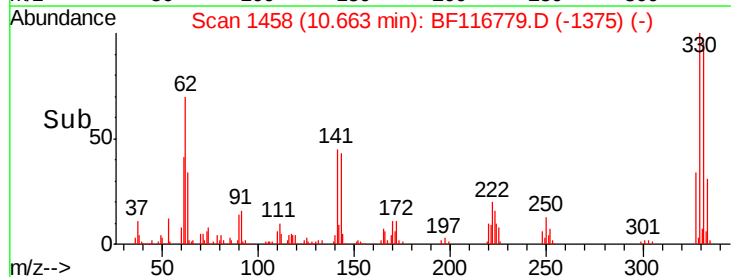
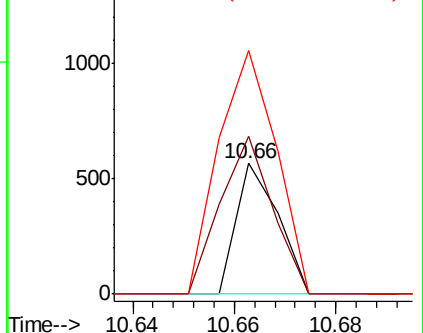
105 186.5 22.9 62.9#

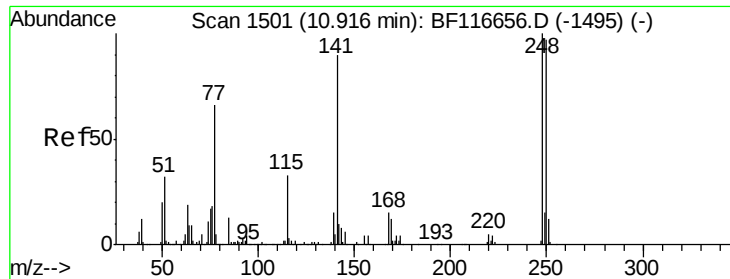


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

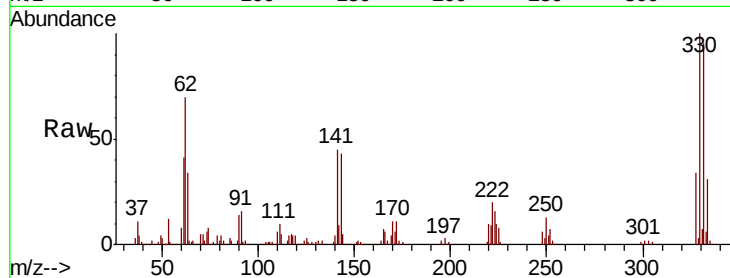




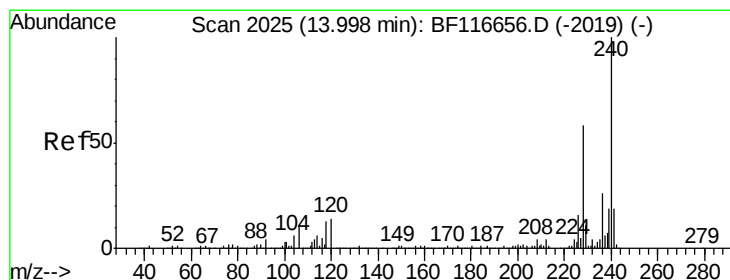
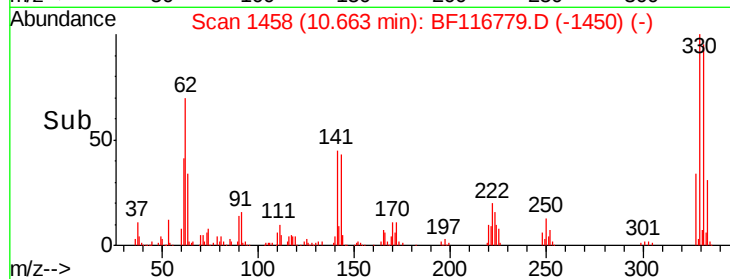
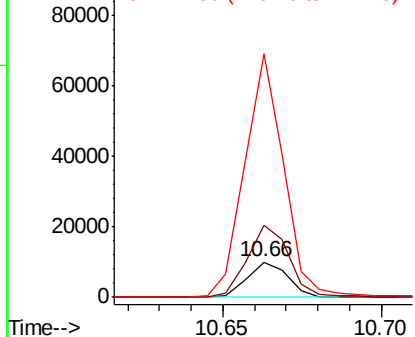
#67
 4-Bromophenyl-phenylether
 Concen: 2.045 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116779.D
 Acq: 3 Sep 2019 18:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8771
 Ion Ratio Lower Upper
 248 100
 250 205.5 77.8 116.8#
 141 696.4 75.9 113.9#

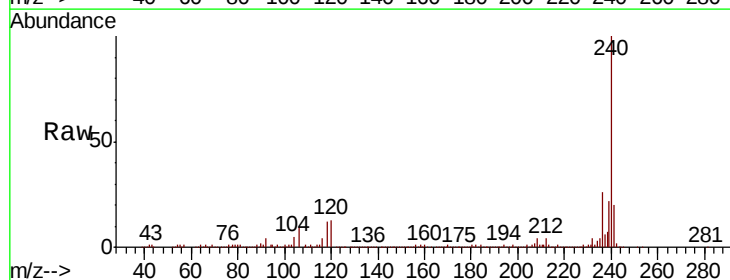


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

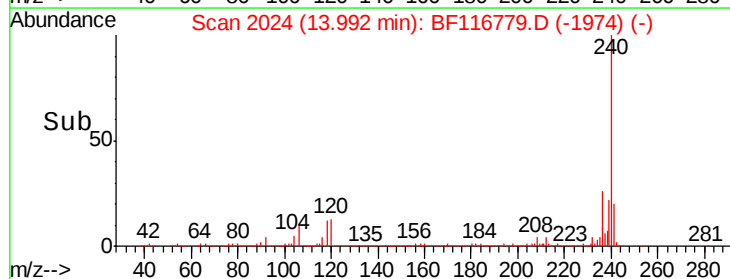
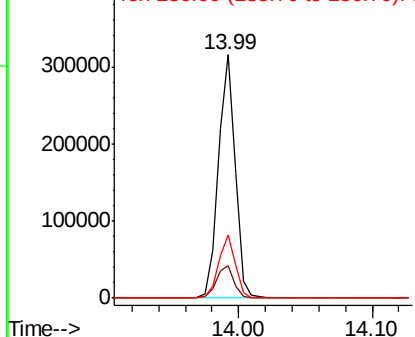


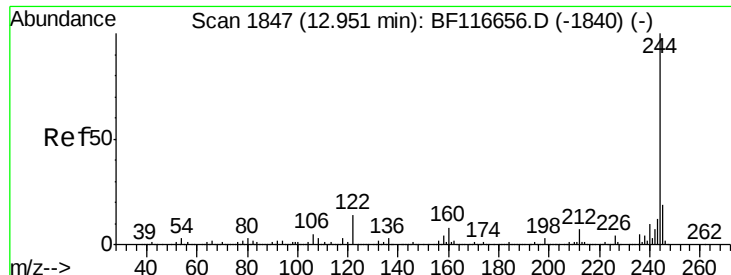
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116779.D
 Acq: 3 Sep 2019 18:19

Tgt Ion:240 Resp: 282037
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.1 13.7
 236 26.0 21.1 31.7



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

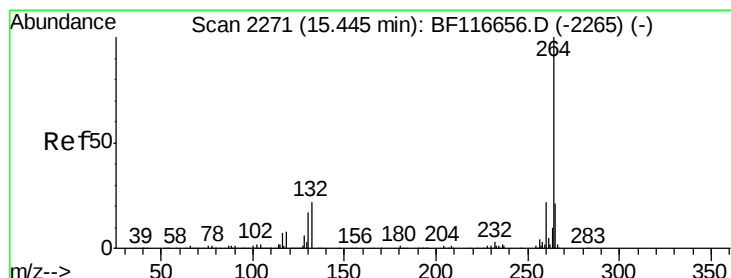
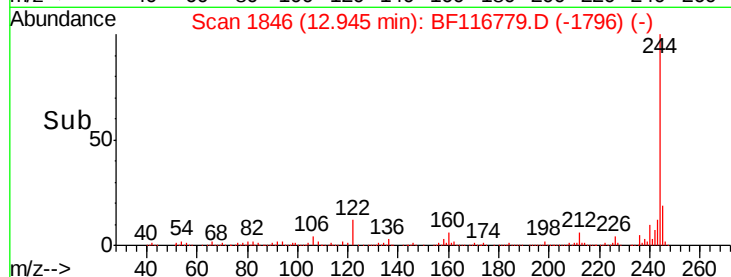
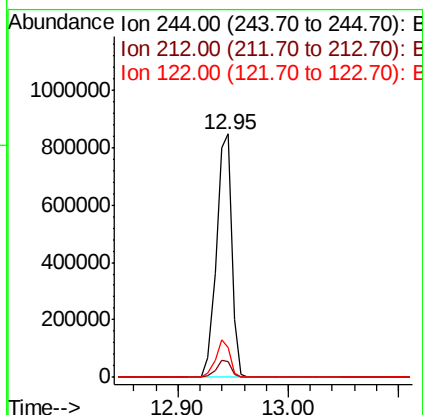
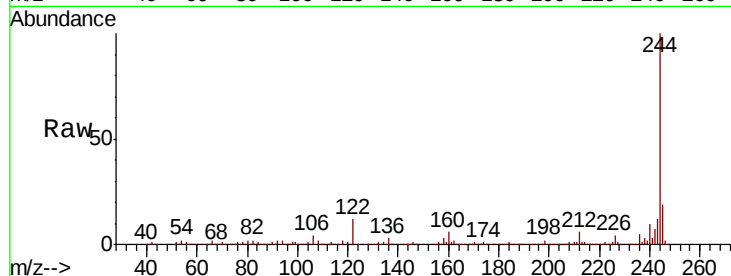




#79
 Terphenyl-d14
 Concen: 53.391 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116779.D
 Acq: 3 Sep 2019 18:19

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 813984
 Ion Ratio Lower Upper
 244 100
 212 6.4 6.1 9.1
 122 12.1 10.2 15.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116779.D
 Acq: 3 Sep 2019 18:19

Tgt Ion:264 Resp: 318775
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.3 27.5
 265 21.9 16.5 24.7

