

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116774.D
 Acq On : 3 Sep 2019 16:05
 Operator : HP/JU
 Sample : K4587-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 01:26:23 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

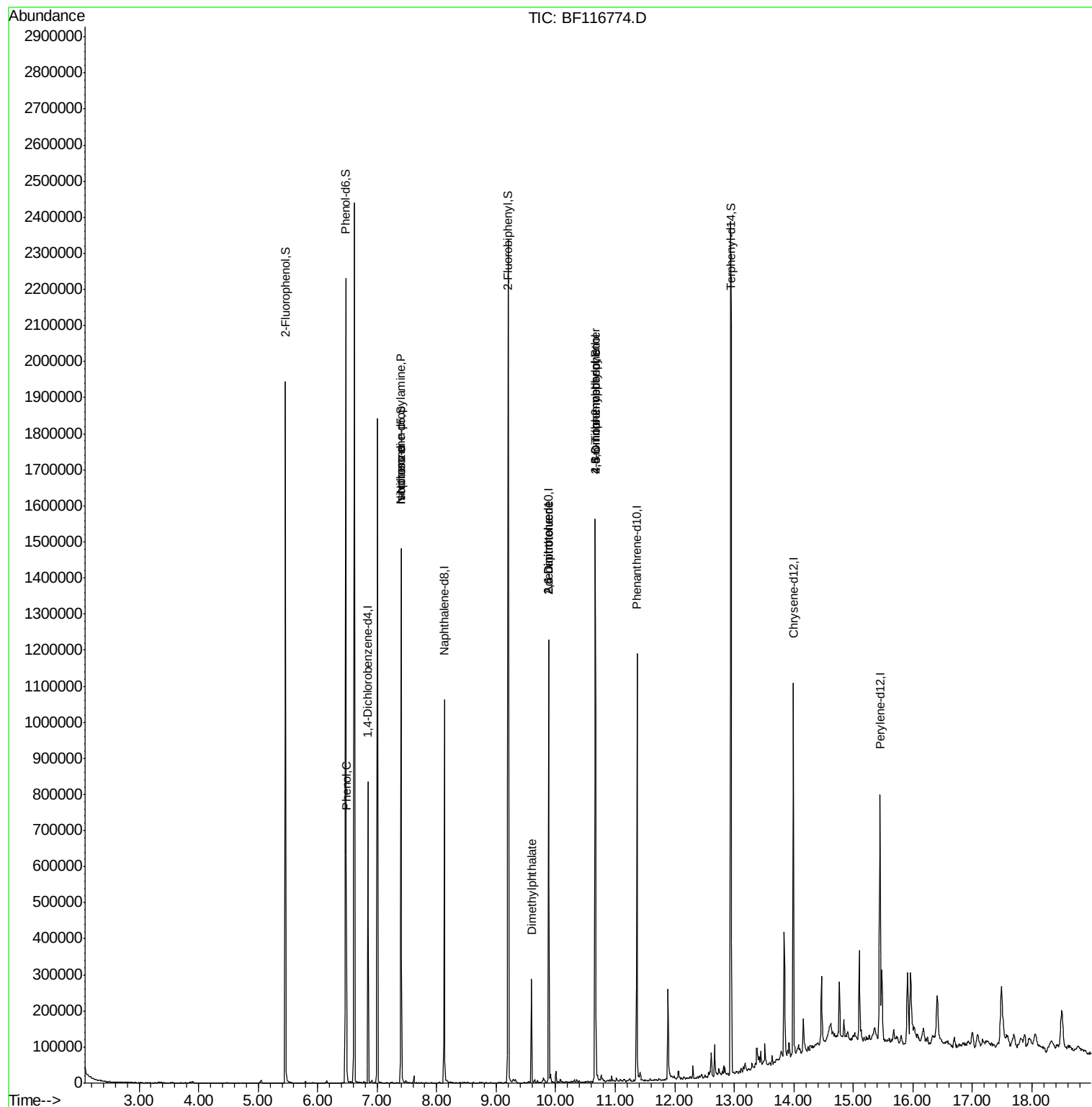
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	112375	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	444390	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	231113	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	397873	20.00	ng	0.00
76) Chrysene-d12	13.99	240	306143	20.00	ng	0.00
87) Perylene-d12	15.44	264	299048	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	586578	84.56	ng	0.00
7) Phenol-d6	6.47	99	786289	86.33	ng	0.00
23) Nitrobenzene-d5	7.40	82	477619	61.36	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	160796	104.07	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	738035	53.87	ng	0.00
79) Terphenyl-d14	12.94	244	771944	46.65	ng	-0.01
Target Compounds						
10) Phenol	6.49	94	48291	4.788	ng	88
19) n-Nitroso-di-n-propylamine	7.40	70	59709	9.956	ng	# 71
25) Isophorone	7.40	82	477610	30.279	ng	# 66
50) Dimethylphthalate	9.59	163	107443	6.734	ng	100
51) 2,6-Dinitrotoluene	9.88	165	30382	9.980	ng	# 20
57) 2,4-Dinitrotoluene	9.88	165	30382	8.162	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.66	198	392	7.677	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	10410	2.576	ng	# 1

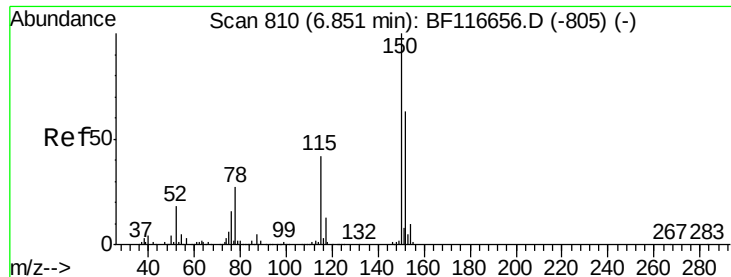
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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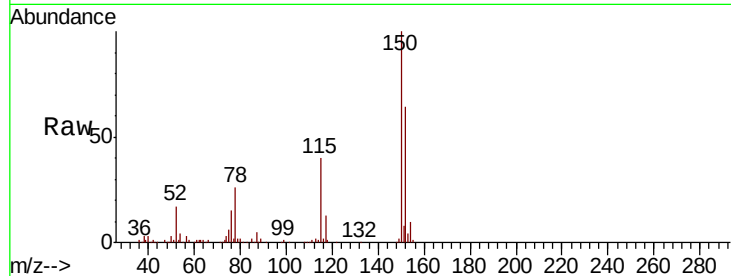


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.4	186.6
115	63.1	49.9	74.9

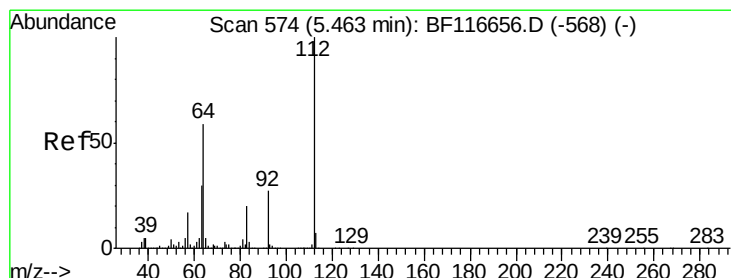
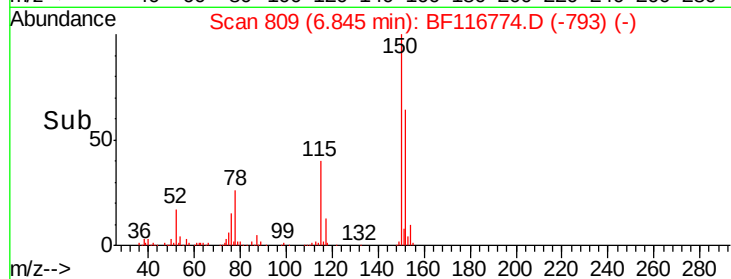
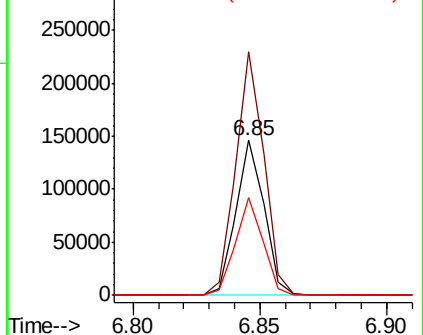


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

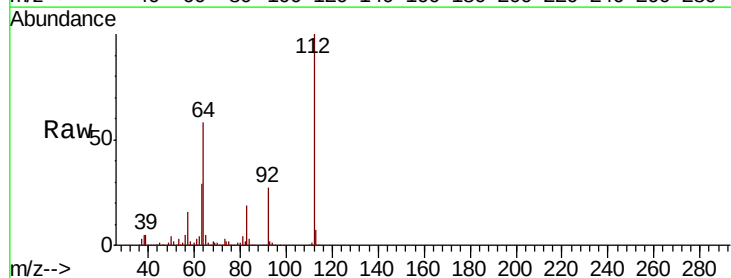
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.564 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.1	70.7
63	29.3	24.9	37.3

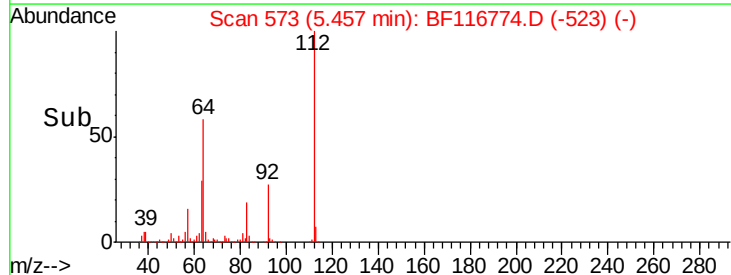
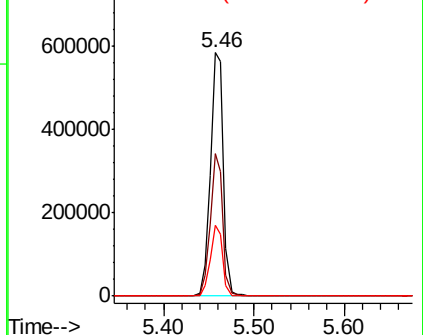


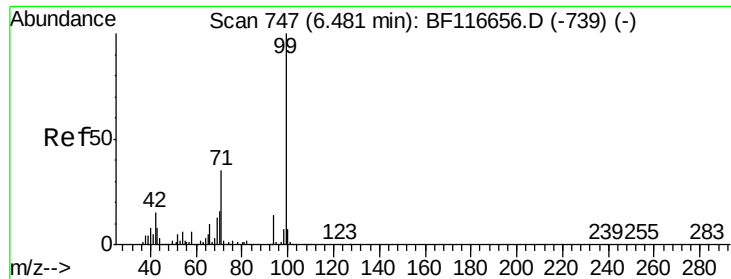
Abundance

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: 86.326 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116774.D

Acq: 3 Sep 2019 16:05

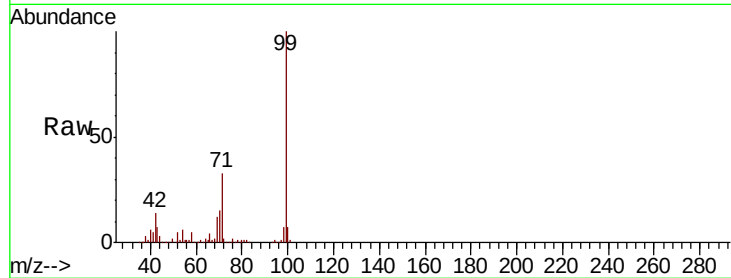
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 786289

Ion	Ratio	Lower	Upper
99	100		
42	14.1	13.7	20.5
71	33.2	30.8	46.2

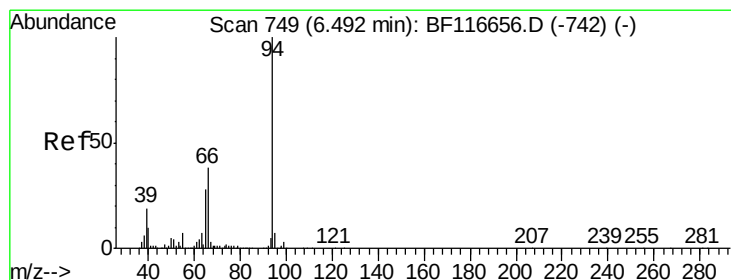
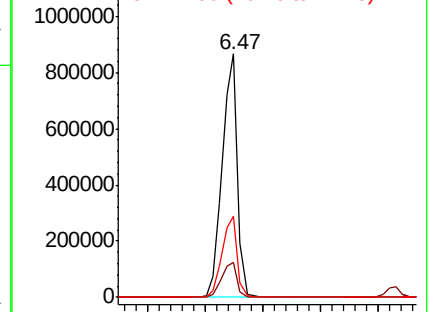
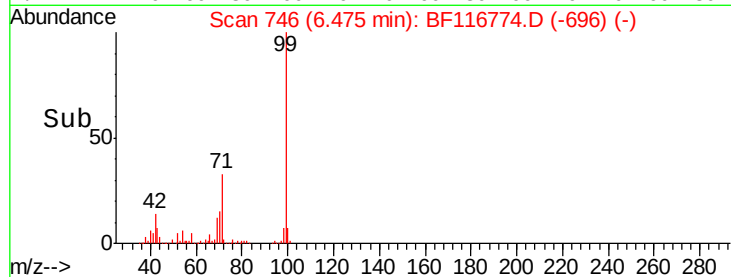


Abundance

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: 4.788 ng

RT: 6.49 min Scan# 748

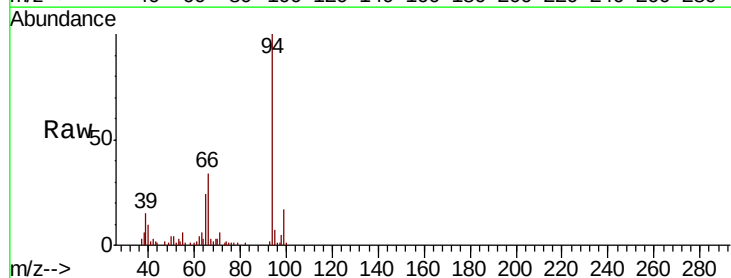
Delta R.T. -0.01 min

Lab File: BF116774.D

Acq: 3 Sep 2019 16:05

Tgt Ion: 94 Resp: 48291

Ion	Ratio	Lower	Upper
94	100		
65	24.0	10.8	50.8
66	33.9	21.1	61.1

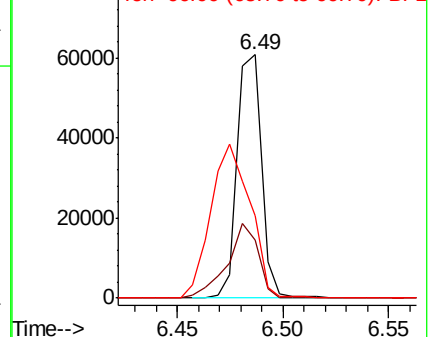
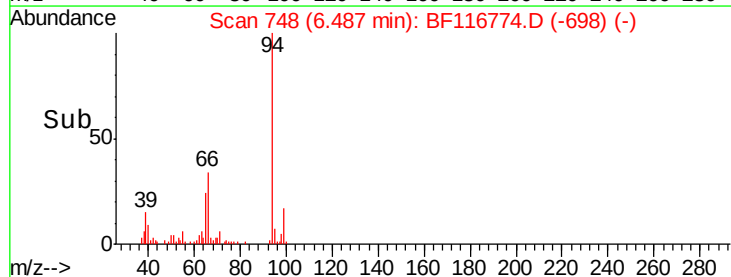


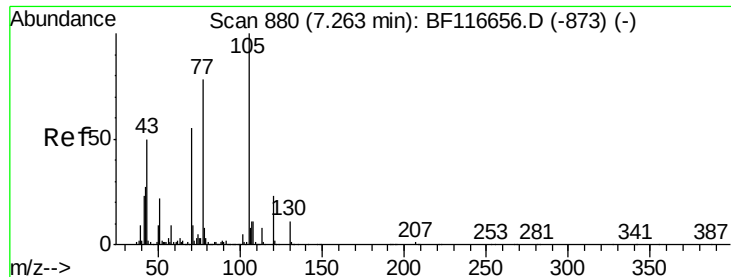
Abundance

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

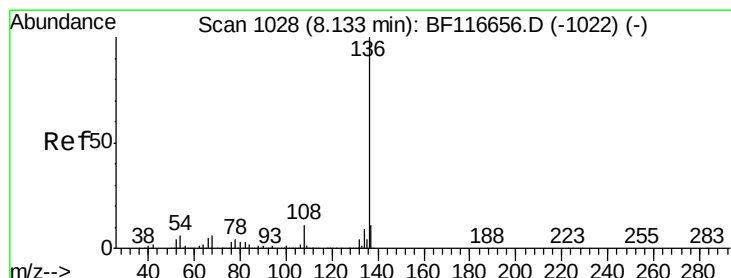
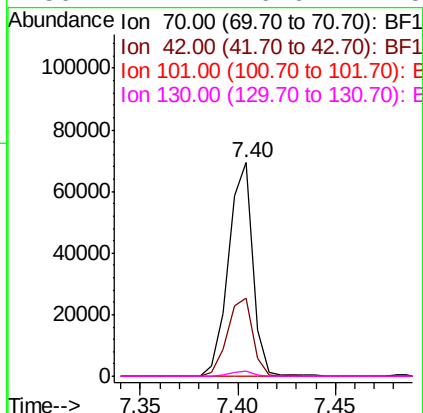
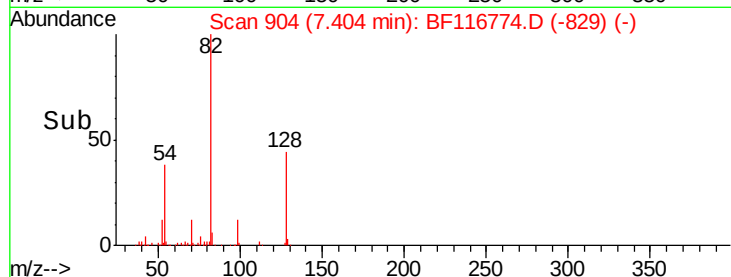
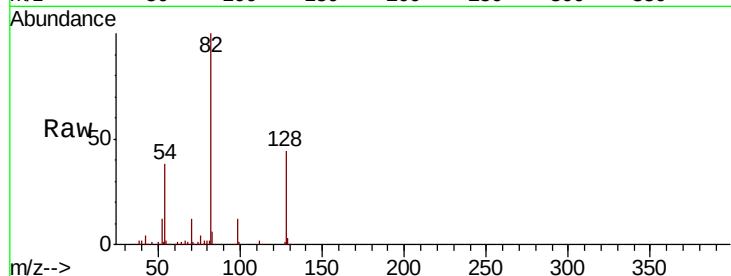




#19
n-Nitroso-di-n-propylamine
Concen: 9.956 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

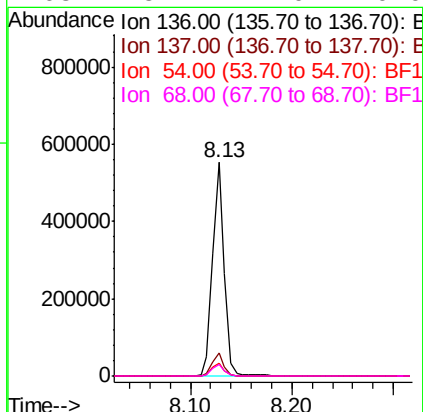
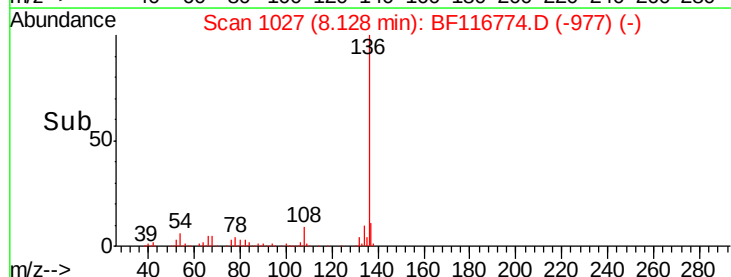
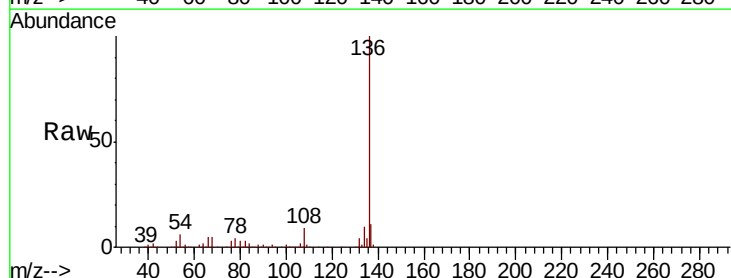
Instrument :
BNA_F
ClientSampleId :

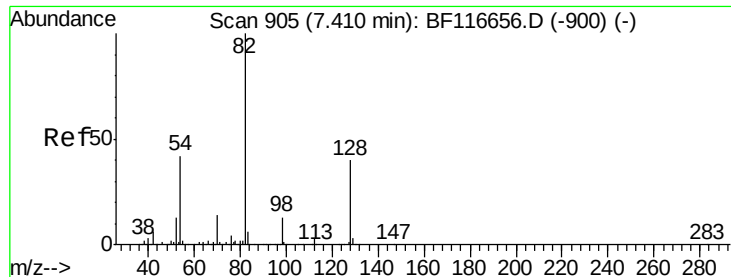
Tot Ion	Ratio	Lower	Upper
70	100		
42	36.3	43.5	65.3#
101	0.0	7.8	11.6#
130	2.4	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.0	4.8	7.2
68	5.2	4.0	6.0

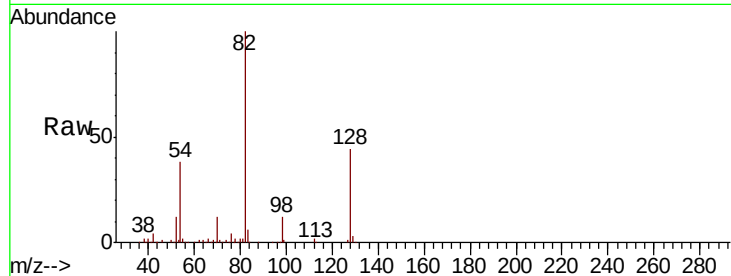




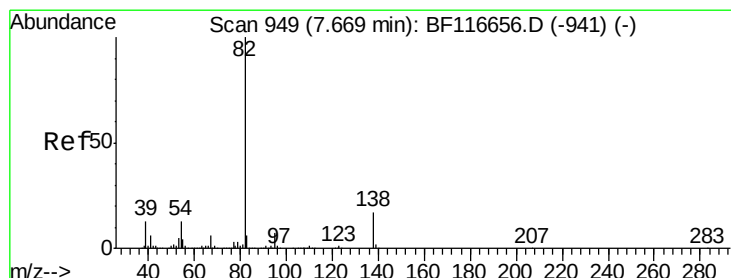
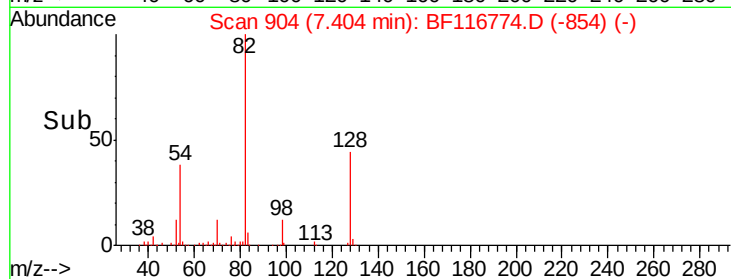
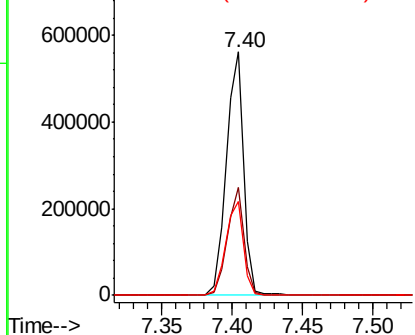
#23
 Nitrobenzene-d5
 Concen: 61.356 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF116774.D
 Acq: 3 Sep 2019 16:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	477619
Ion Ratio	Lower	Upper	
82	100		
128	44.2	32.8	49.2
54	38.4	36.9	55.3

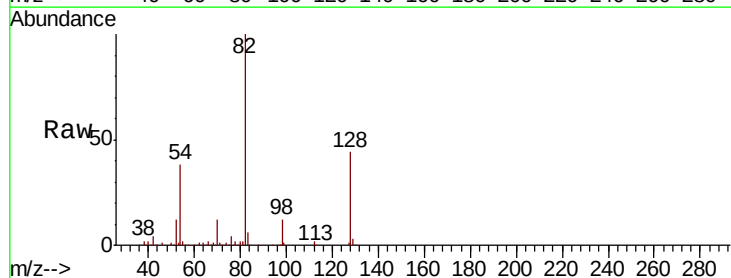


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

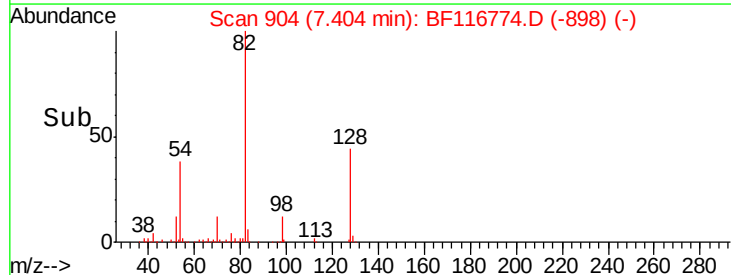
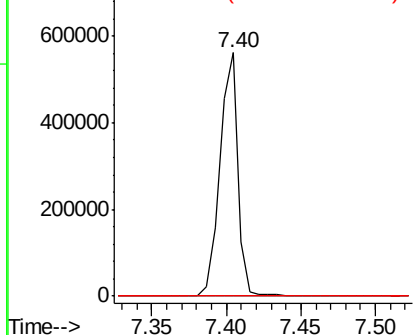


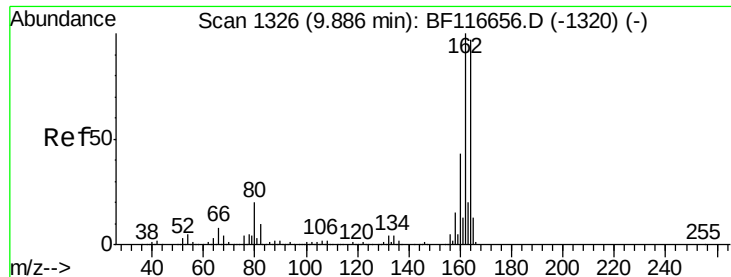
#25
 Isophorone
 Concen: 30.279 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.26 min
 Lab File: BF116774.D
 Acq: 3 Sep 2019 16:05

Tgt Ion	82	Resp	477610
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

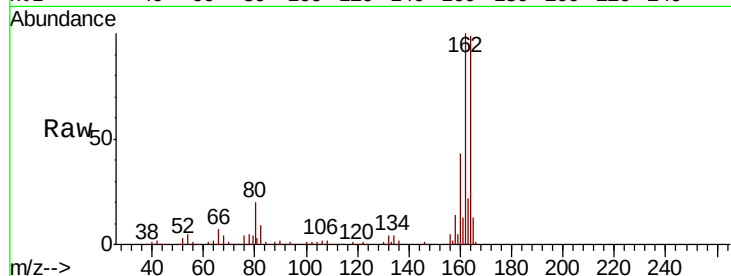




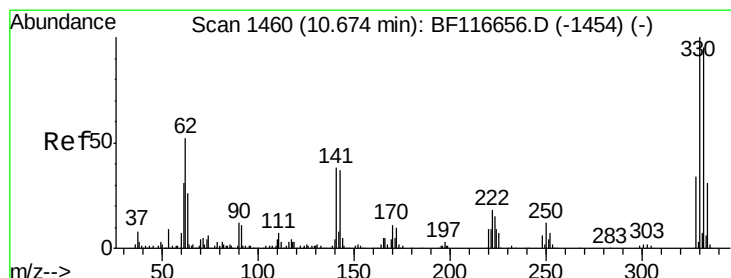
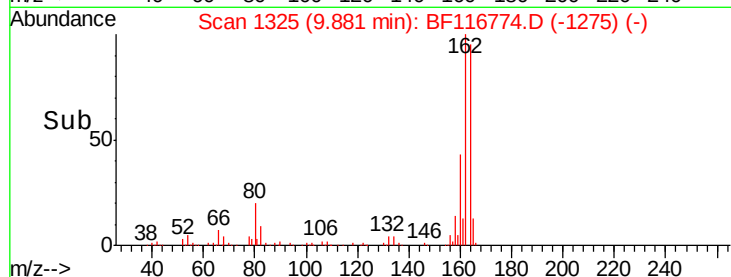
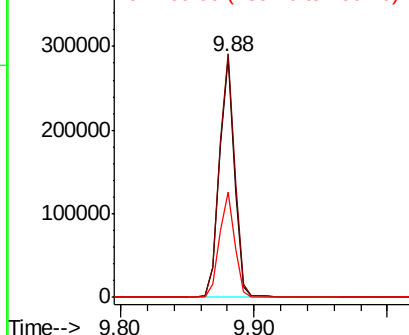
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 231113
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.0
160 43.8 35.4 53.2

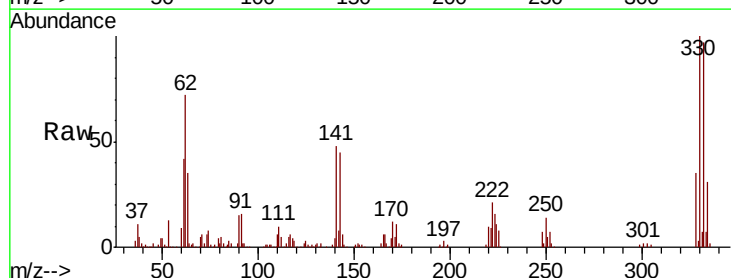


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

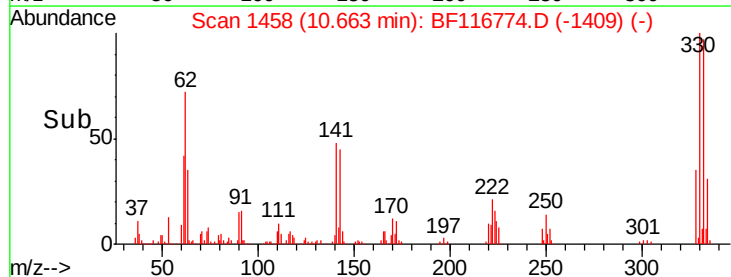
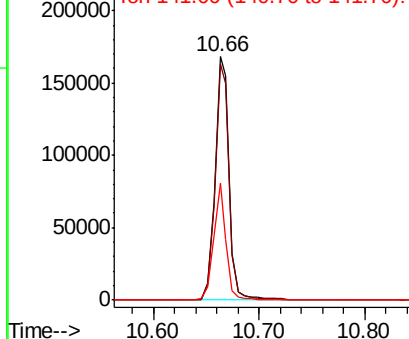


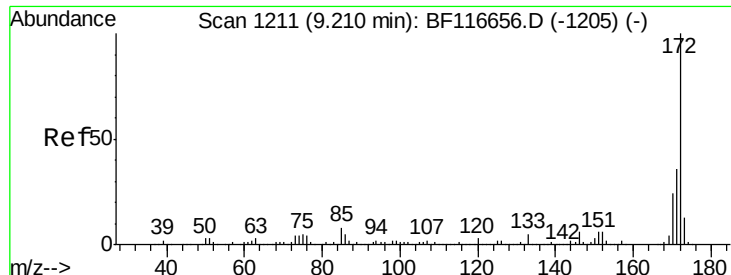
#42
2,4,6-Tribromophenol
Concen: 104.072 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Tgt Ion:330 Resp: 160796
Ion Ratio Lower Upper
330 100
332 96.7 76.9 115.3
141 41.5 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

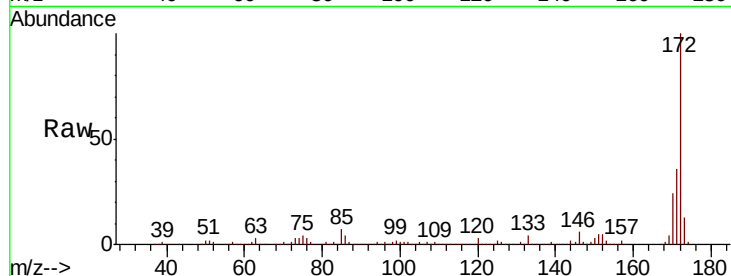




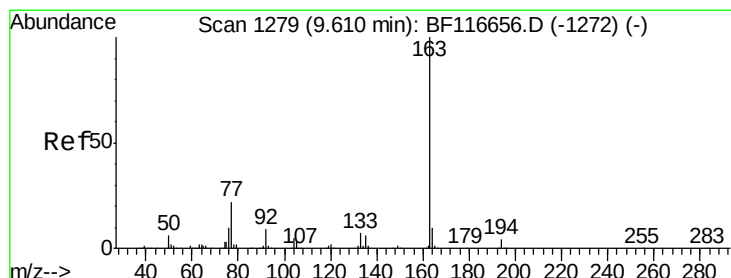
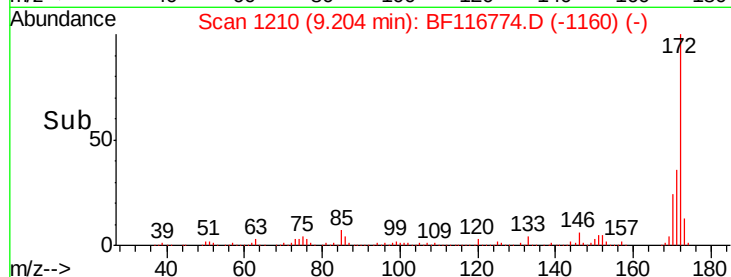
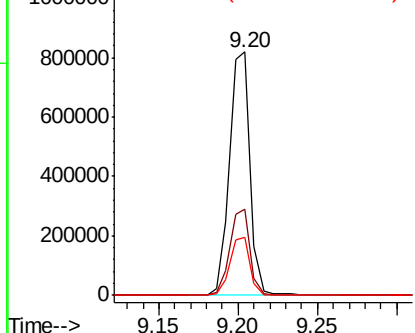
#45
2-Fluorobiphenyl
Concen: 53.869 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 738035
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 23.7 18.9 28.3

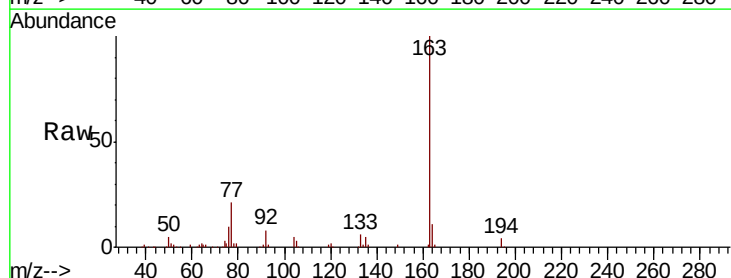


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

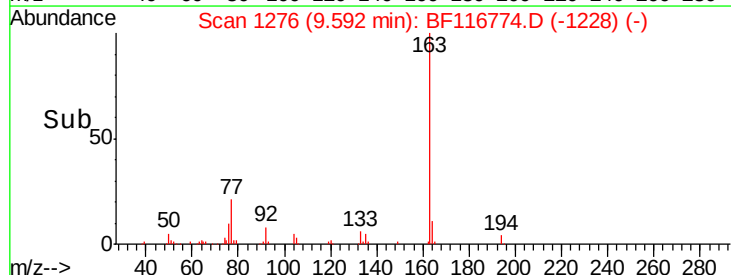
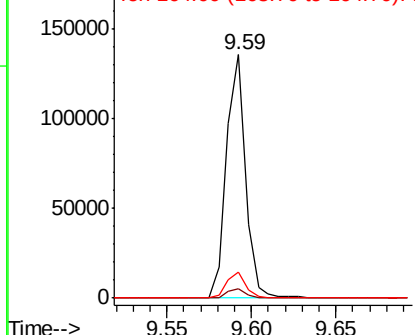


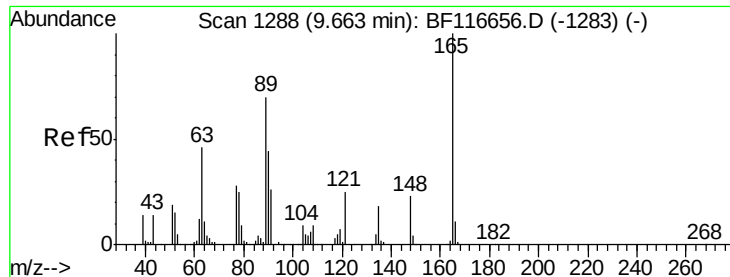
#50
Dimethylphthalate
Concen: 6.734 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Tgt Ion:163 Resp: 107443
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.6 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: 9.980 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.22 min

Lab File: BF116774.D

Acq: 3 Sep 2019 16:05

Instrument :

BNA_F

ClientSampleId :

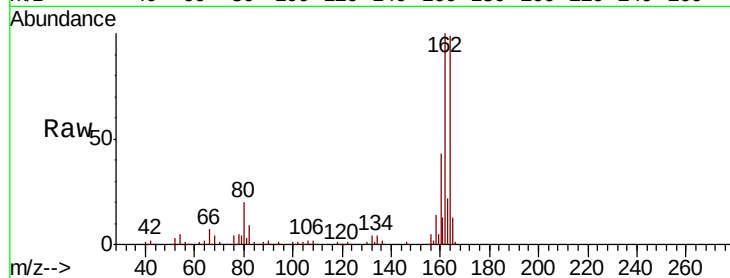
Tot Ion:165 Resp: 30382

Ion Ratio Lower Upper

165 100

63 1.0 47.3 70.9#

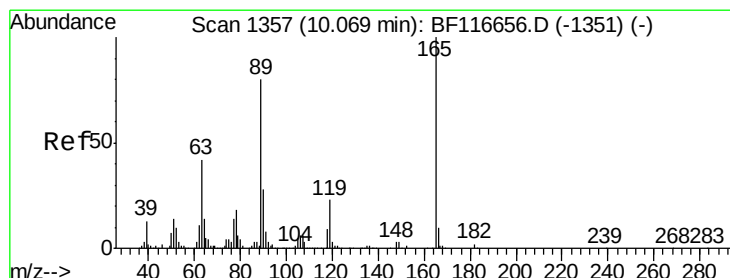
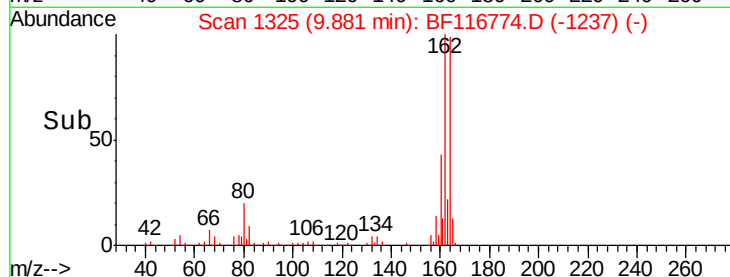
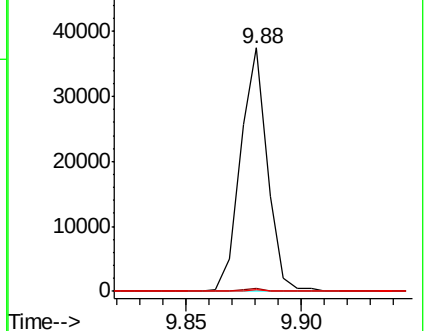
89 0.9 52.5 78.7#



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: 8.162 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116774.D

Acq: 3 Sep 2019 16:05

Tgt Ion:165 Resp: 30382

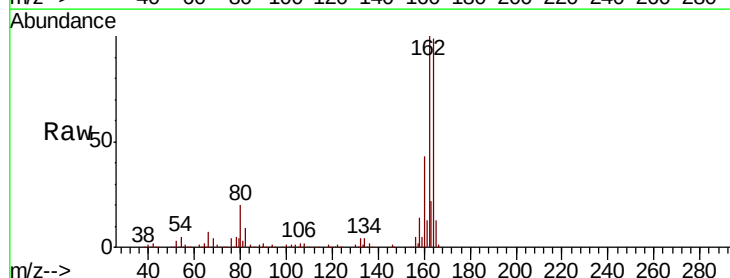
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 0.9 62.6 94.0#

182 0.0 2.1 3.1#

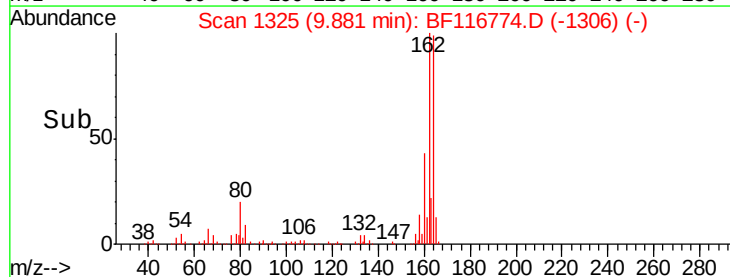
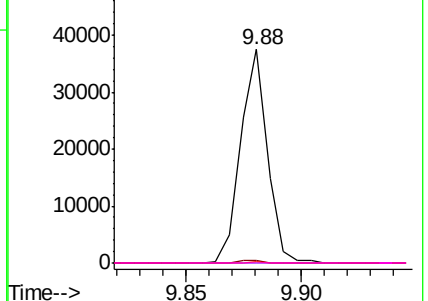


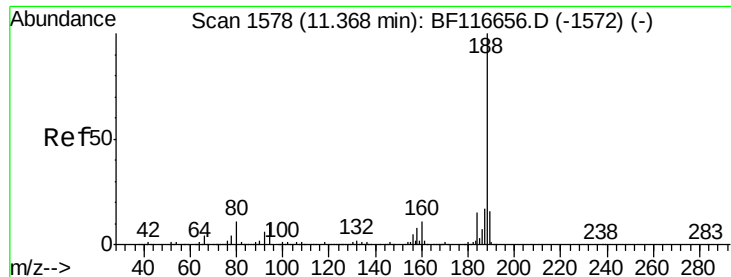
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF116774.D

Acq: 3 Sep 2019 16:05

Instrument :

BNA_F

ClientSampleId :

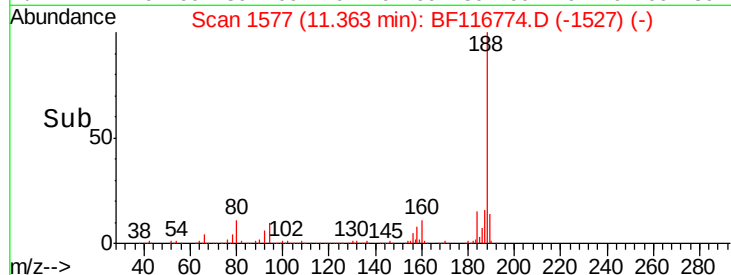
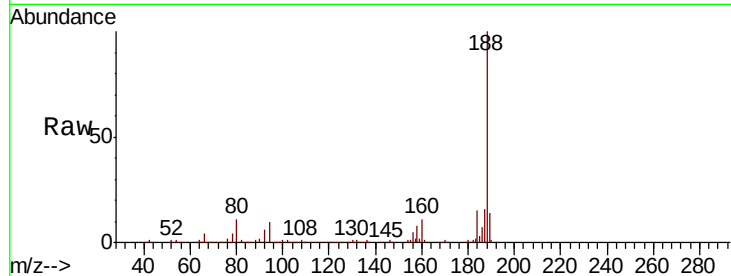
Tot Ion:188 Resp: 397873

Ion Ratio Lower Upper

188 100

94 10.2 7.3 10.9

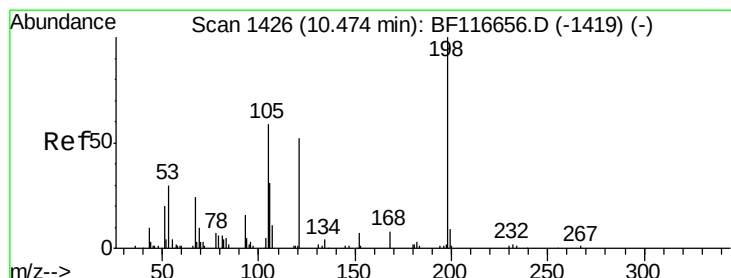
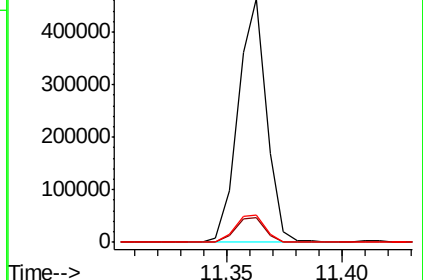
80 11.0 8.4 12.6



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: 7.677 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116774.D

Acq: 3 Sep 2019 16:05

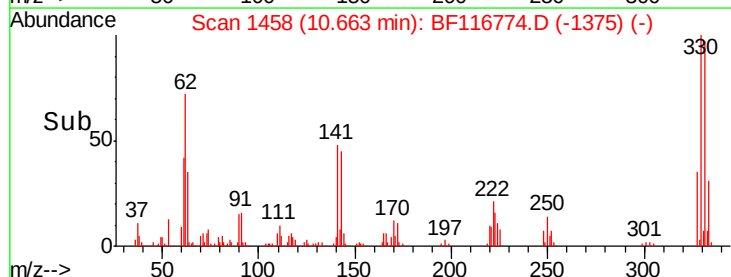
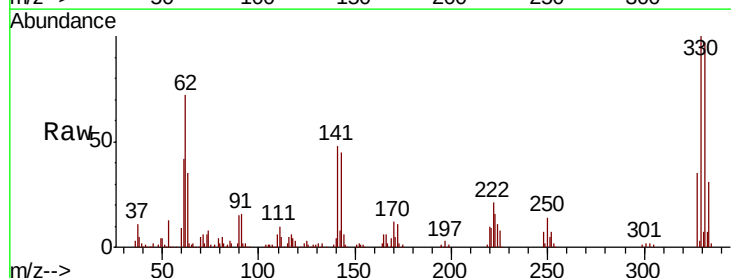
Tgt Ion:198 Resp: 392

Ion Ratio Lower Upper

198 100

51 161.9 18.4 58.4#

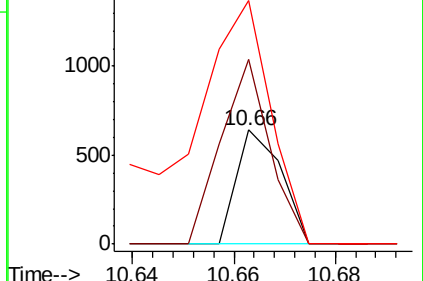
105 214.1 22.9 62.9#

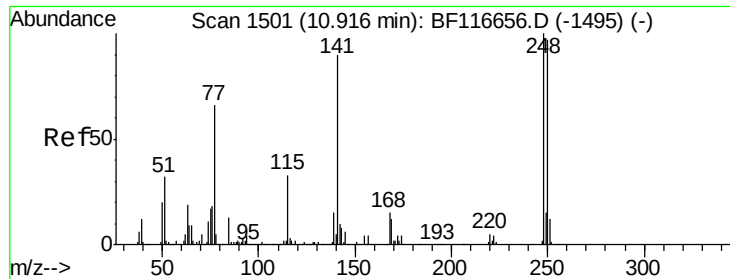


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

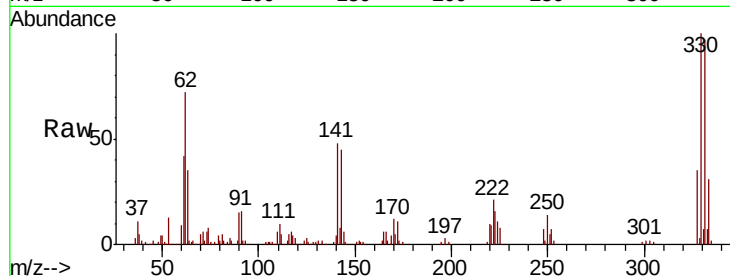




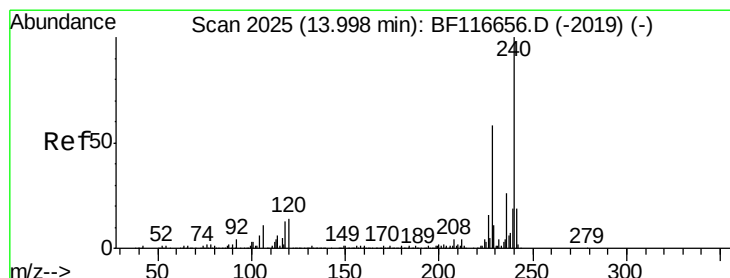
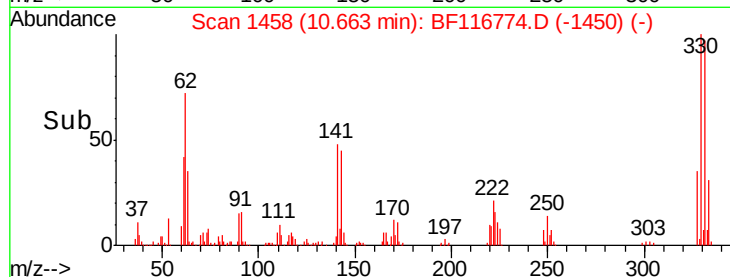
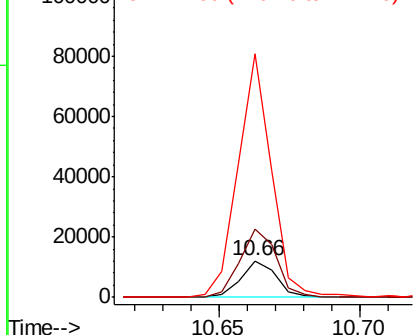
#67
4-Bromophenyl-phenylether
Concen: 2.576 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 10410
Ion Ratio Lower Upper
248 100
250 188.0 77.8 116.8#
141 668.7 75.9 113.9#

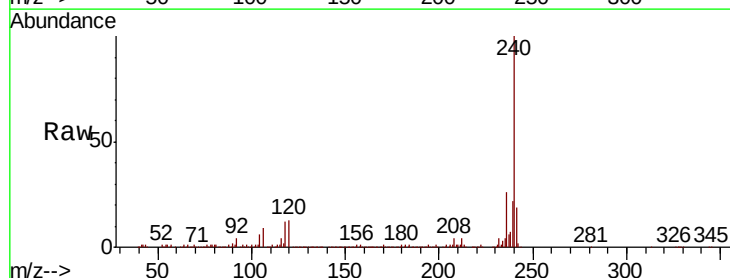


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

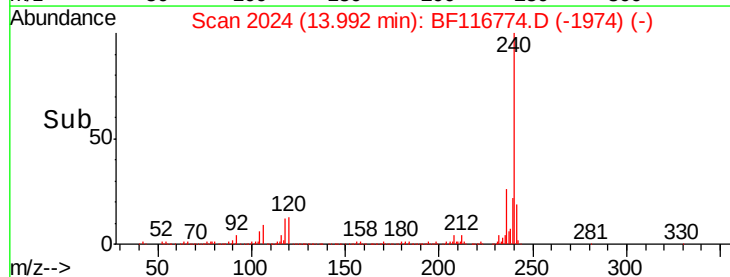
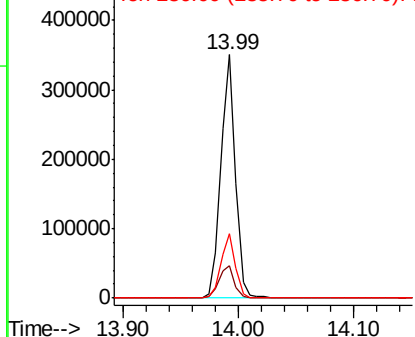


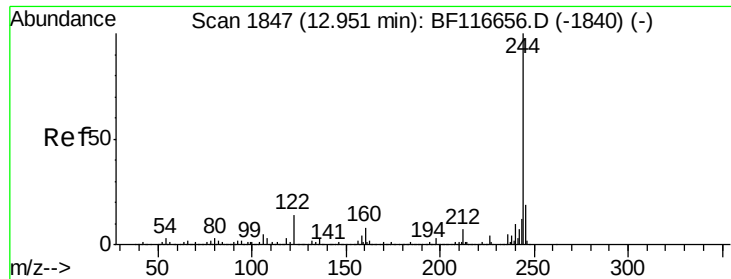
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116774.D
Acq: 3 Sep 2019 16:05

Tgt Ion:240 Resp: 306143
Ion Ratio Lower Upper
240 100
120 13.4 9.1 13.7
236 26.4 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

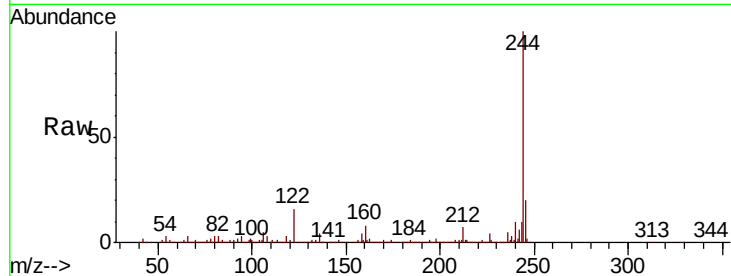




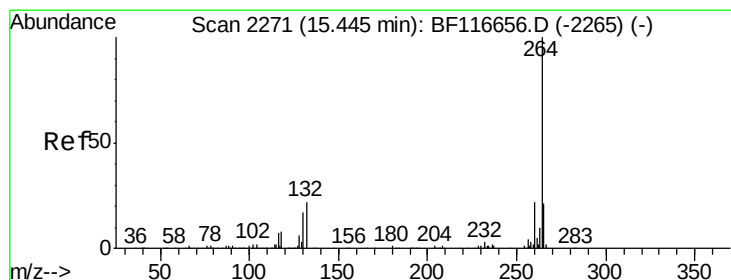
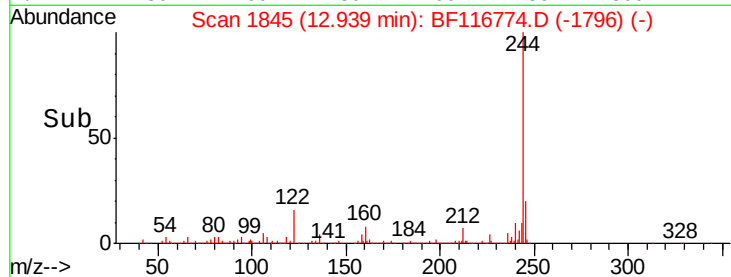
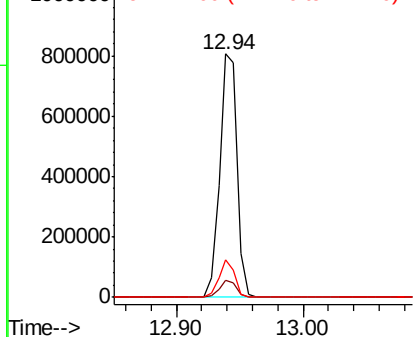
#79
 Terphenyl-d14
 Concen: 46.647 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116774.D
 Acq: 3 Sep 2019 16:05

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 771944
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 15.7 10.2 15.4#

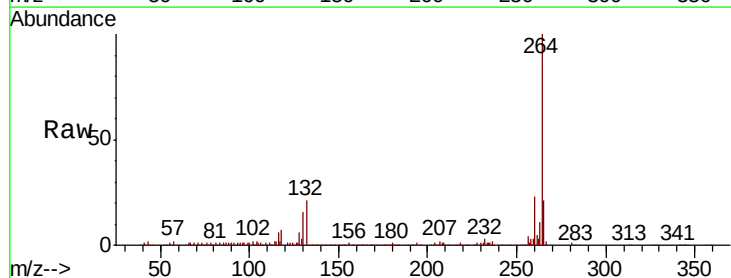


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116774.D
 Acq: 3 Sep 2019 16:05

Tgt Ion:264 Resp: 299048
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.3 27.5
 265 20.8 16.5 24.7



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

