

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117057.D
 Acq On : 16 Sep 2019 12:38
 Operator : HP/JU
 Sample : K4885-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 16 14:58:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

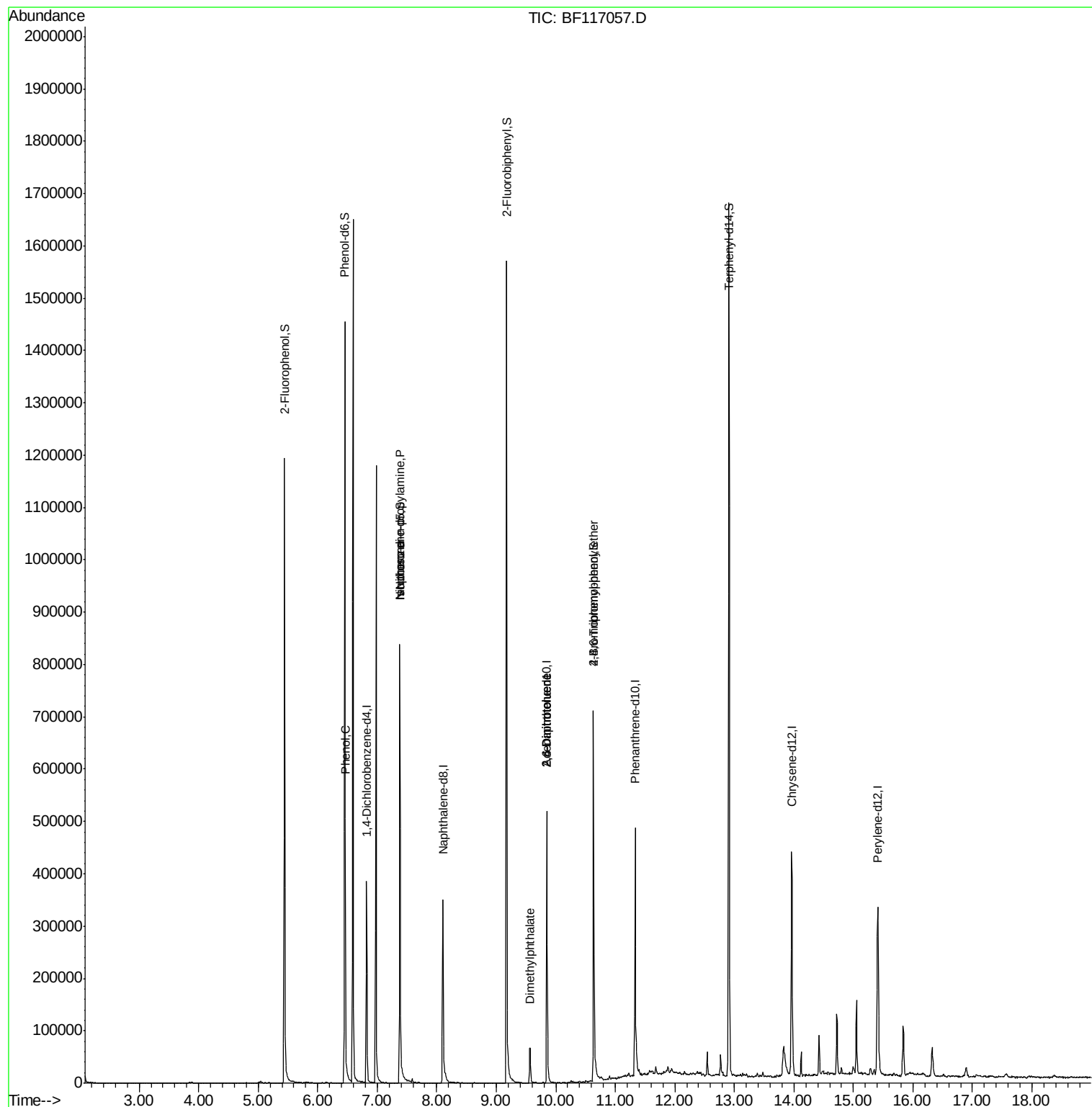
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	55633	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	225394	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	120952	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	200922	20.00	ng	0.00
76) Chrysene-d12	13.96	240	158310	20.00	ng	-0.01
87) Perylene-d12	15.41	264	143256	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	370934	104.10	ng	0.00
7) Phenol-d6	6.46	99	514056	111.63	ng	0.00
23) Nitrobenzene-d5	7.38	82	322966	75.29	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	91999	91.01	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	549354	71.02	ng	0.00
79) Terphenyl-d14	12.91	244	529084	62.47	ng	0.00
Target Compounds						
9) Benzaldehyde	6.46	77	911	Below Cal		Qvalue
10) Phenol	6.47	94	23673	4.663	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	41890	14.938	ng	# 79
25) Isophorone	7.38	82	322964	42.521	ng	# 66
50) Dimethylphthalate	9.57	163	39993	4.670	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	14765	8.465	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	14765	6.521	ng	# 18
67) 4-Bromophenyl-phenylether	10.64	248	5658	2.757	ng	# 1

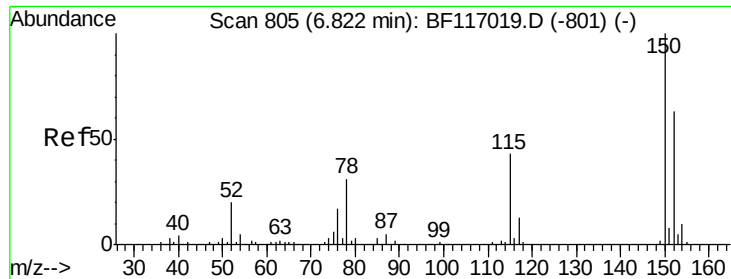
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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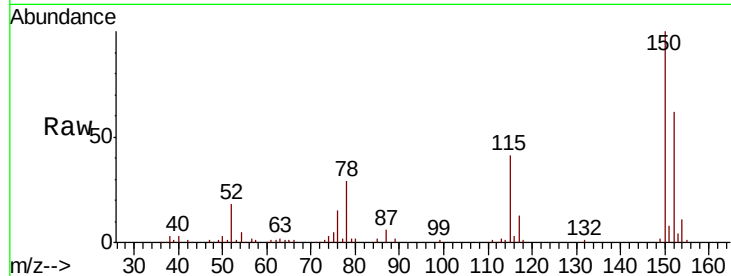


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117057.D
Acq: 16 Sep 2019 12:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	127.5	191.3
115	66.6	55.0	82.4

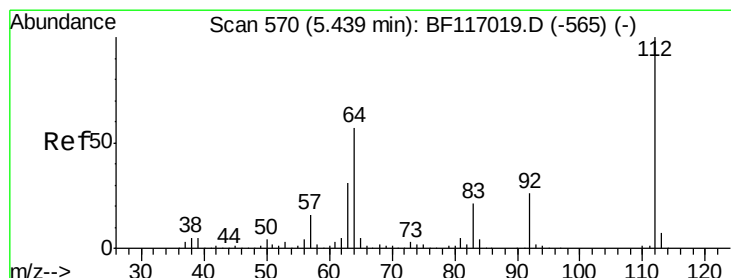
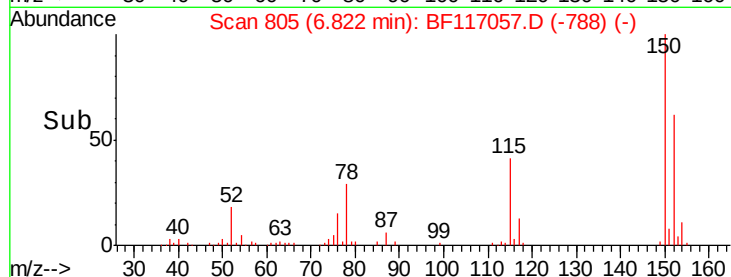
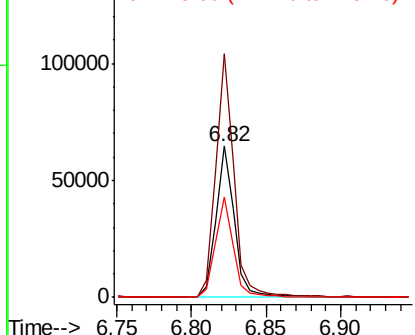


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

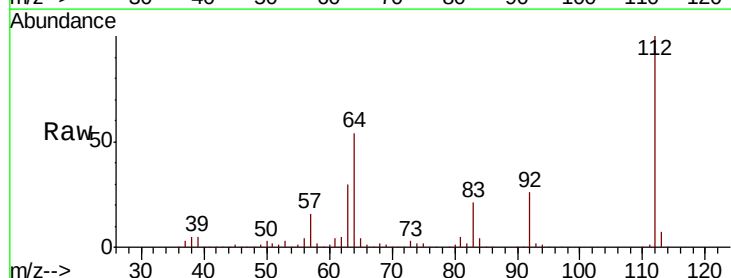
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.096 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117057.D
Acq: 16 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	45.7	68.5
63	29.8	24.9	37.3

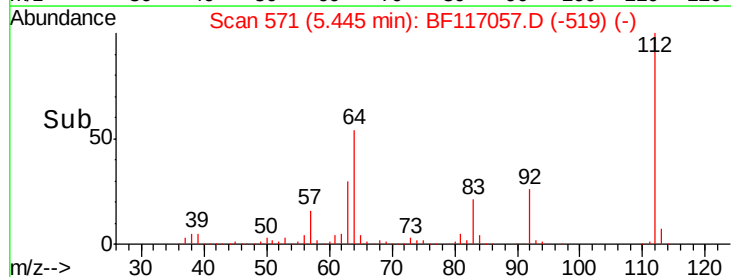
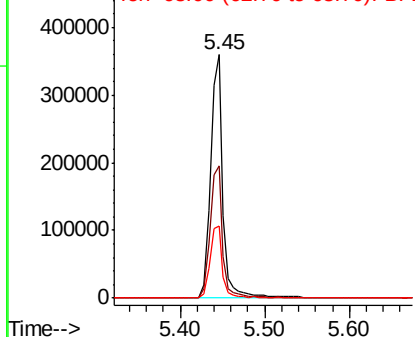


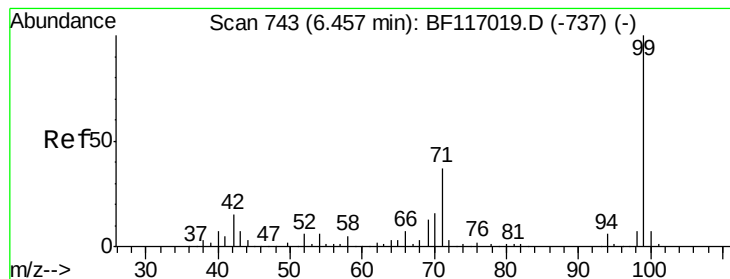
Abundance

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: 111.626 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

Instrument :

BNA_F

ClientSampleId :

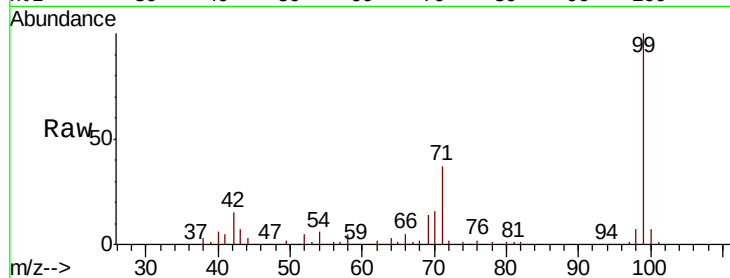
Tot Ion: 99 Resp: 514056

Ion Ratio Lower Upper

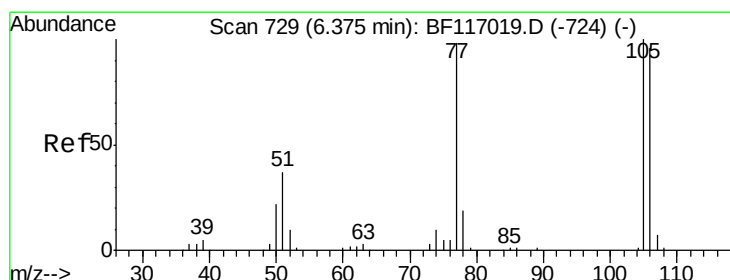
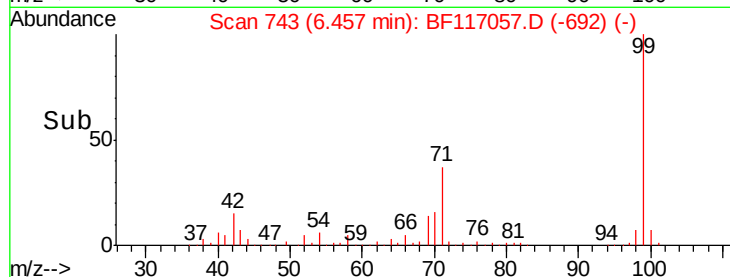
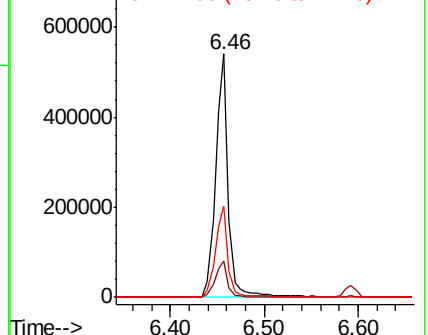
99 100

42 15.1 12.2 18.2

71 37.4 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

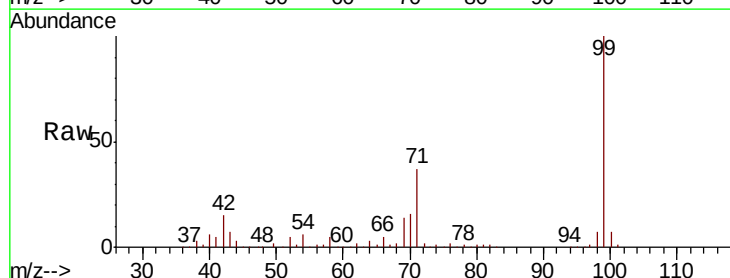
Tgt Ion: 77 Resp: 911

Ion Ratio Lower Upper

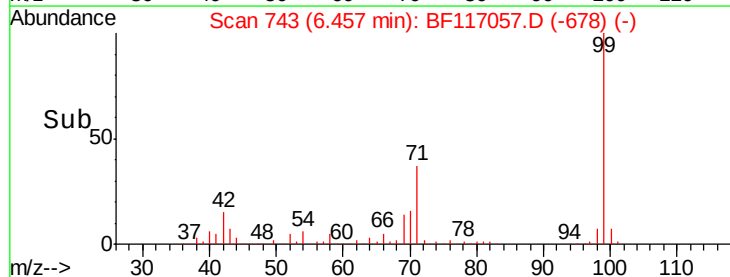
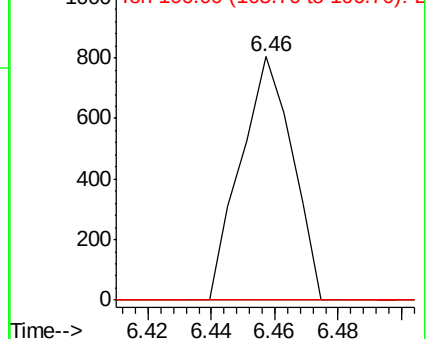
77 100

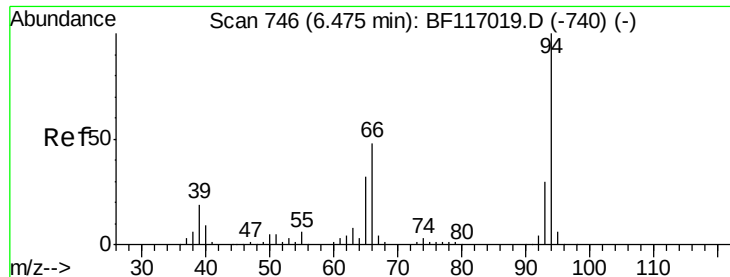
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.663 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

Instrument :

BNA_F

ClientSampleId :

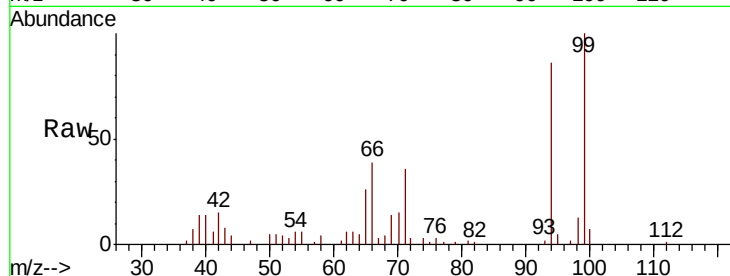
Tot Ion: 94 Resp: 23673

Ion Ratio Lower Upper

94 100

65 29.7 12.5 52.5

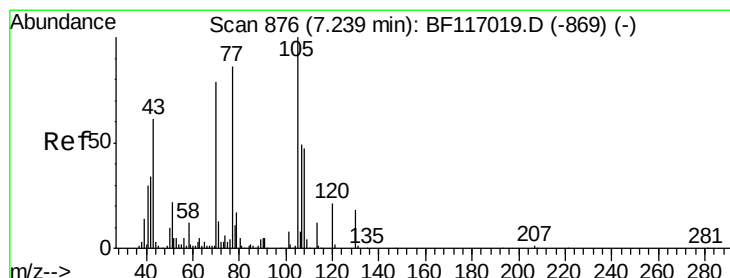
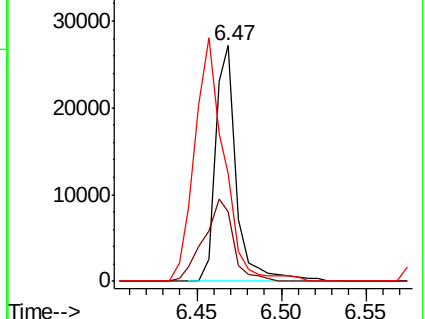
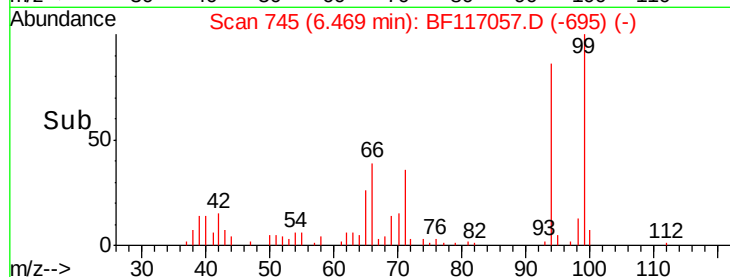
66 45.8 28.9 68.9



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: 14.938 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

Tgt Ion: 70 Resp: 41890

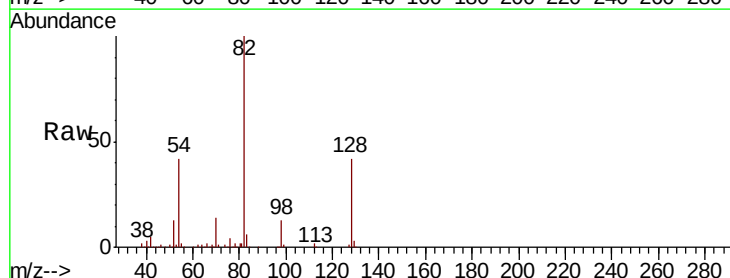
Ion Ratio Lower Upper

70 100

42 36.6 34.0 51.0

101 0.0 7.8 11.6#

130 2.4 17.8 26.8#

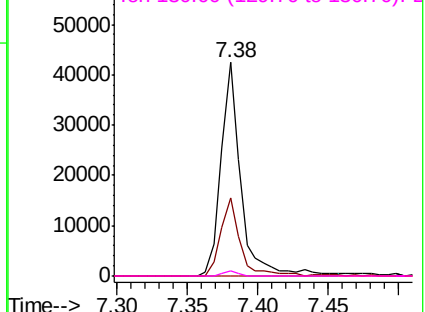
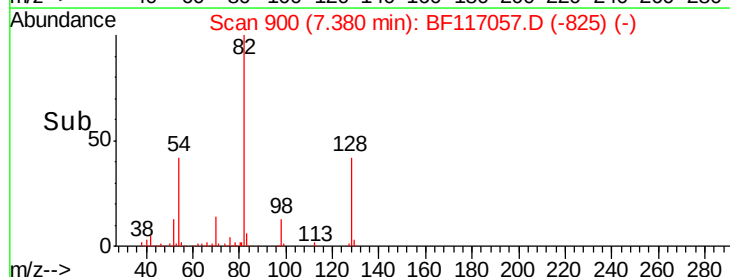


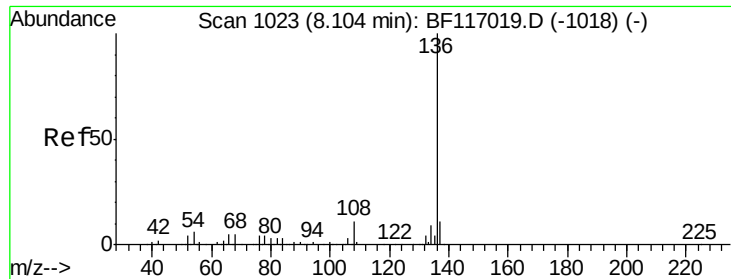
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

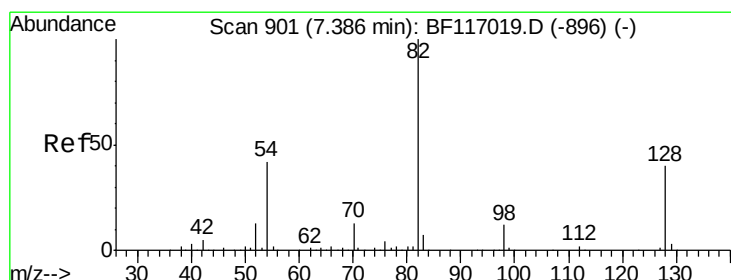
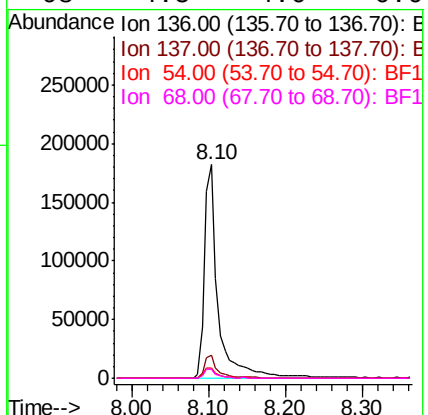
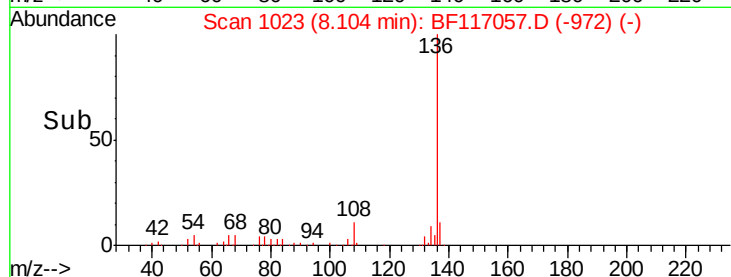
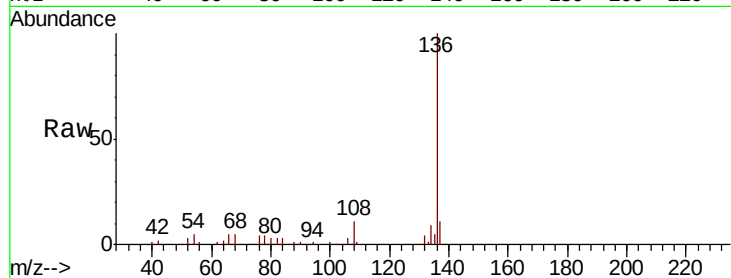




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BF117057.D
Acq: 16 Sep 2019 12:38

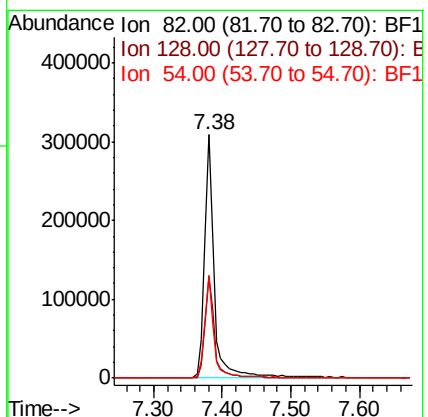
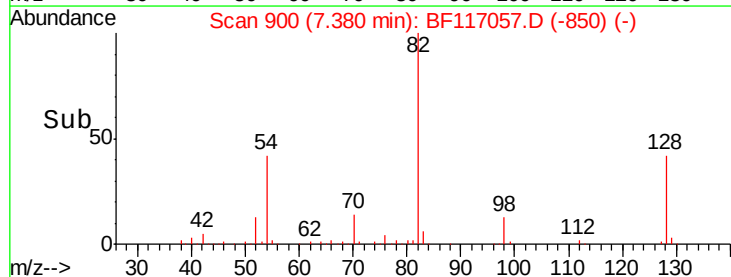
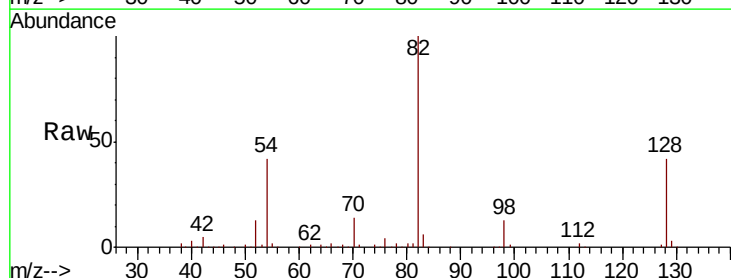
Instrument :
BNA_F
ClientSampleId :

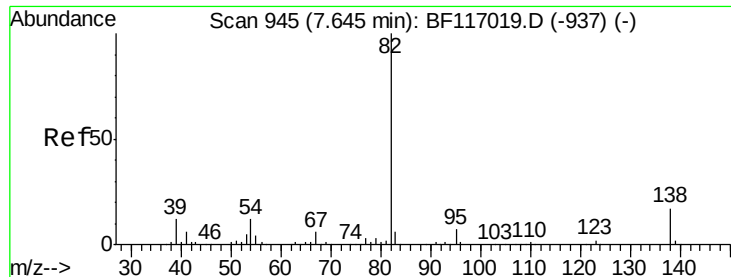
Tot Ion:136	Resp:	225394
Ion	Ratio	Lower Upper
136	100	
137	10.7	9.0 13.4
54	4.9	4.5 6.7
68	4.5	4.0 6.0



#23
Nitrobenzene-d5
Concen: 75.288 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117057.D
Acq: 16 Sep 2019 12:38

Tgt Ion: 82	Resp:	322966
Ion	Ratio	Lower Upper
82	100	
128	41.6	32.3 48.5
54	42.3	33.3 49.9





#25

Isophorone

Concen: 42.521 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

Instrument :

BNA_F

ClientSampleId :

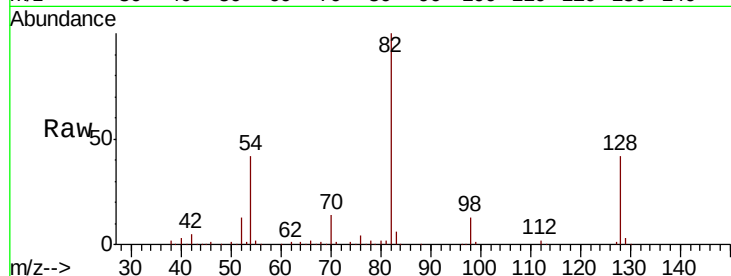
Tot Ion: 82 Resp: 322964

Ion Ratio Lower Upper

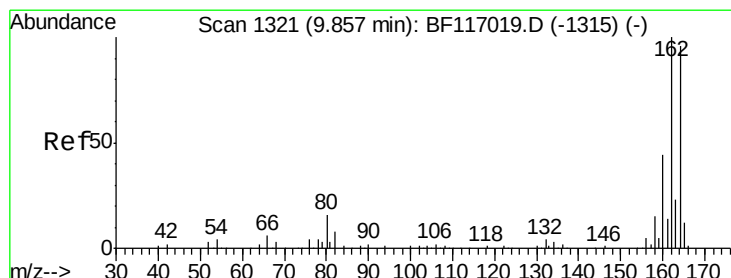
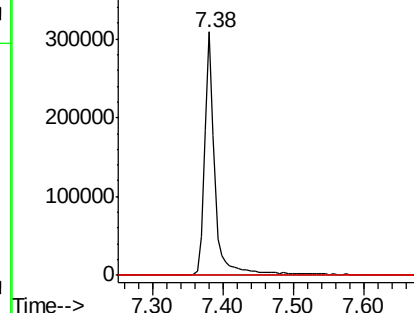
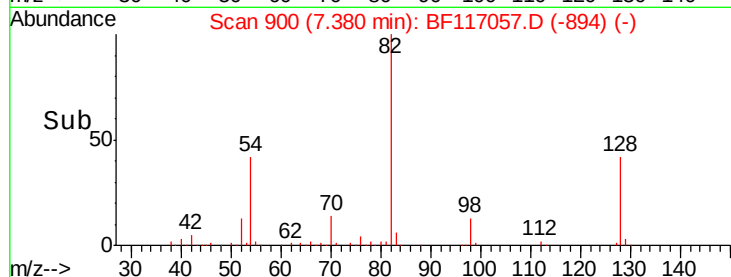
82 100

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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

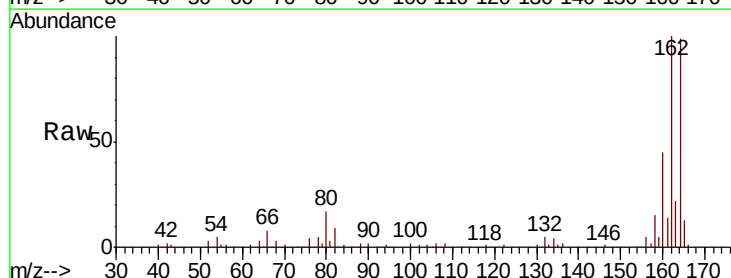
Tgt Ion: 164 Resp: 120952

Ion Ratio Lower Upper

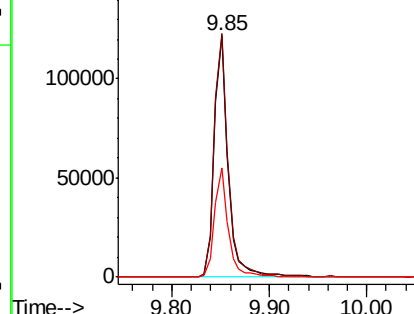
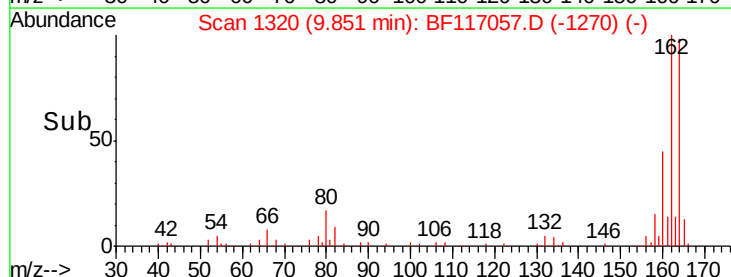
164 100

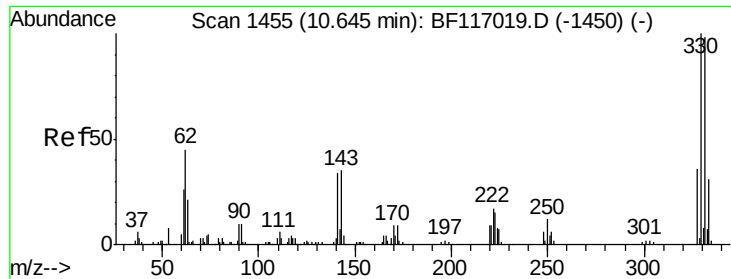
162 100.8 83.4 125.2

160 45.3 36.4 54.6



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

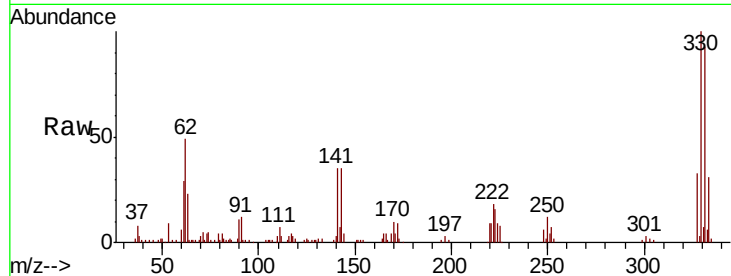




#42
 2,4,6-Tribromophenol
 Concen: 91.009 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	45.2	35.8	53.6

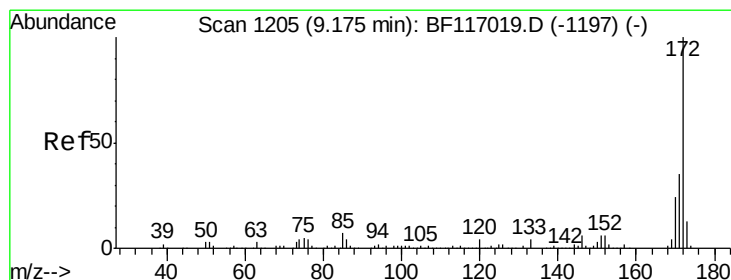
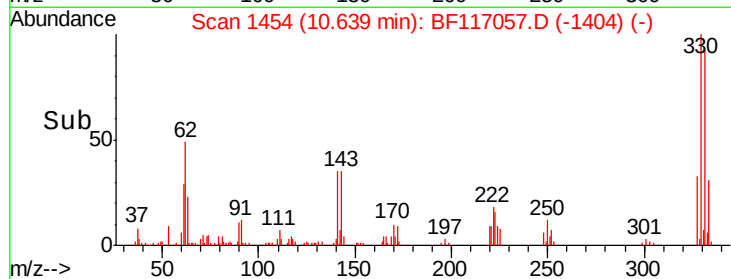
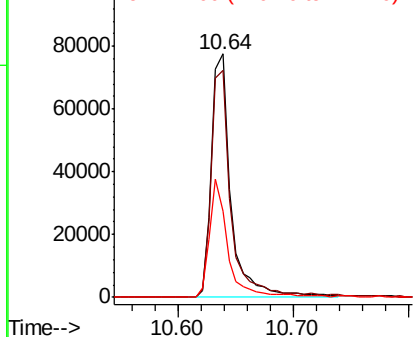


Abundance

Ion 329.80 (329.50 to 330.50): E

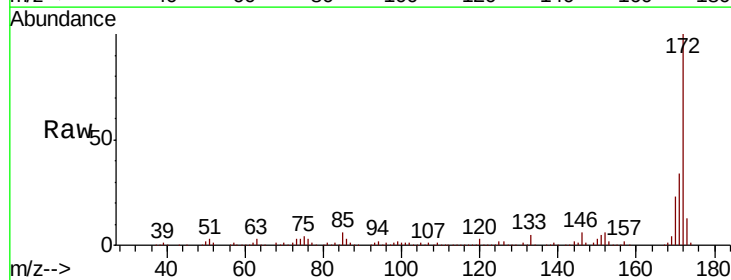
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 71.016 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	22.8	18.9	28.3

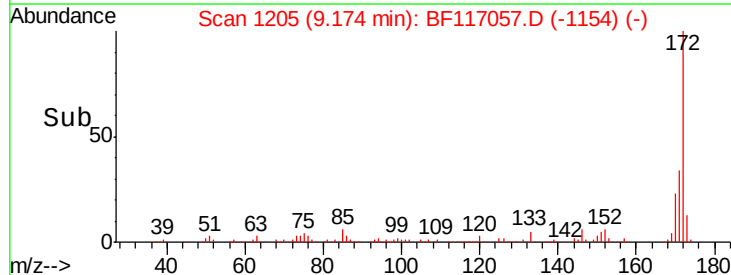
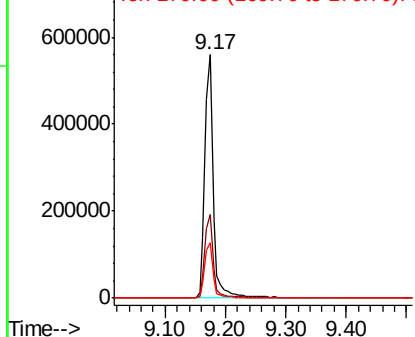


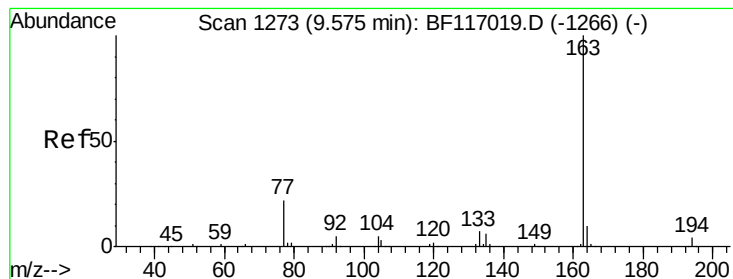
Abundance

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: 4.670 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

Instrument :

BNA_F

ClientSampleId :

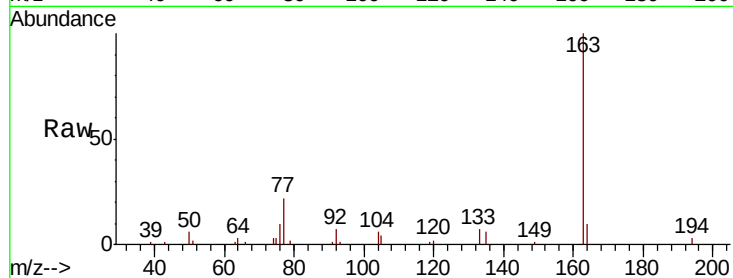
Tot Ion:163 Resp: 39993

Ion Ratio Lower Upper

163 100

194 3.4 2.9 4.3

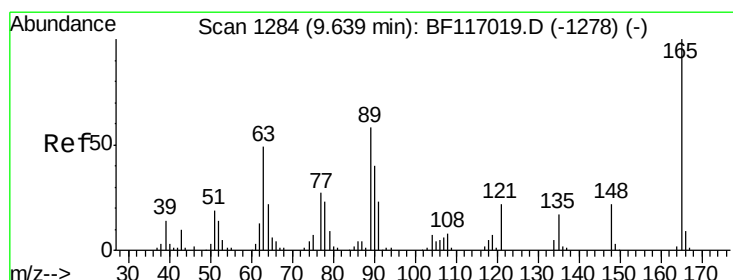
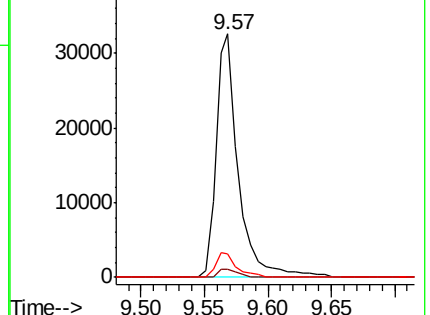
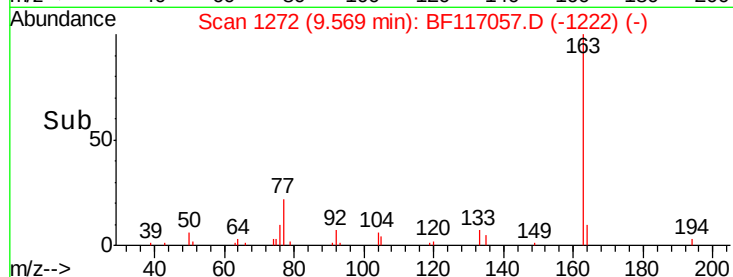
164 9.8 8.2 12.4



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: 8.465 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF117057.D

Acq: 16 Sep 2019 12:38

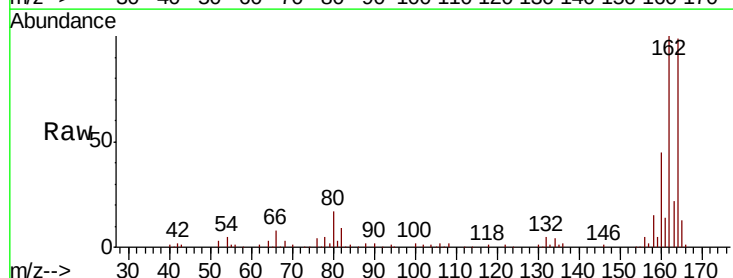
Tgt Ion:165 Resp: 14765

Ion Ratio Lower Upper

165 100

63 0.0 41.8 62.8#

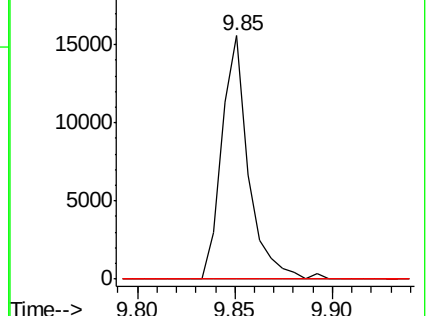
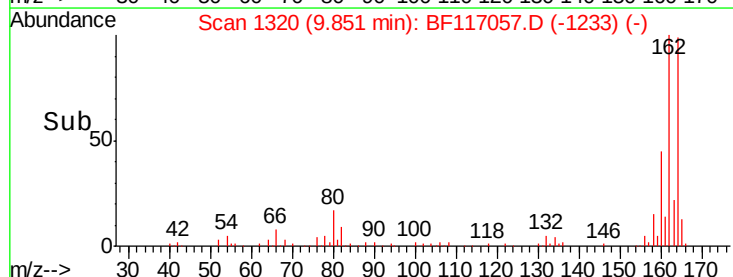
89 0.0 46.5 69.7#

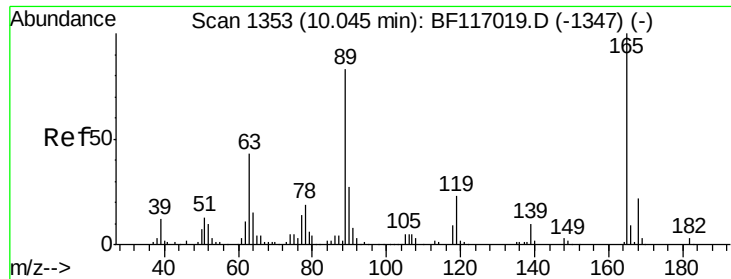


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

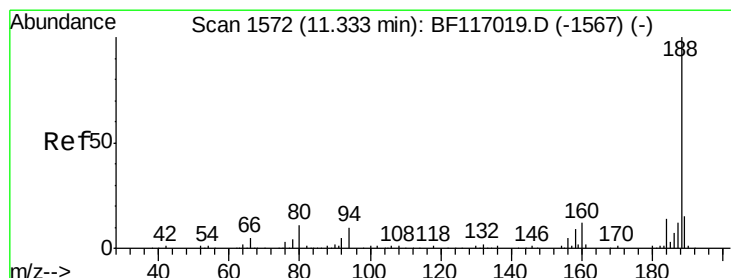
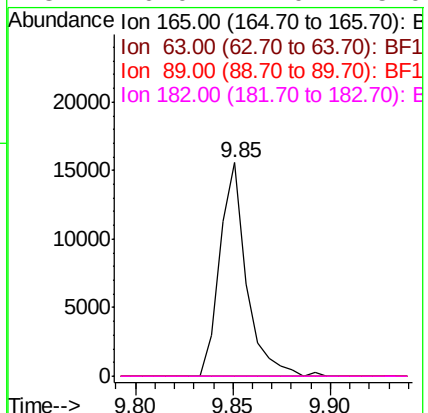
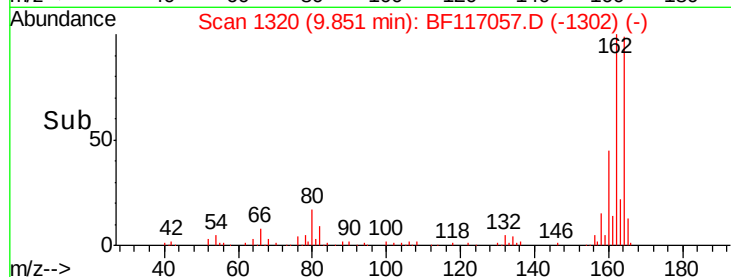
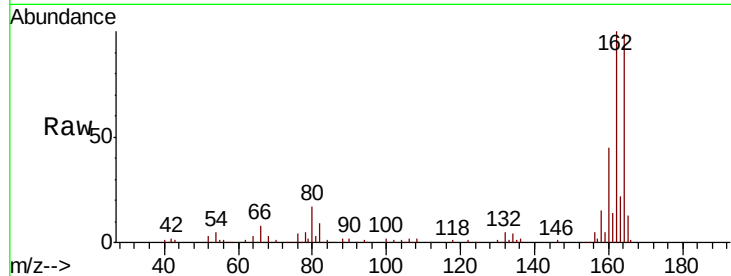




#57
 2,4-Dinitrotoluene
 Concen: 6.521 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

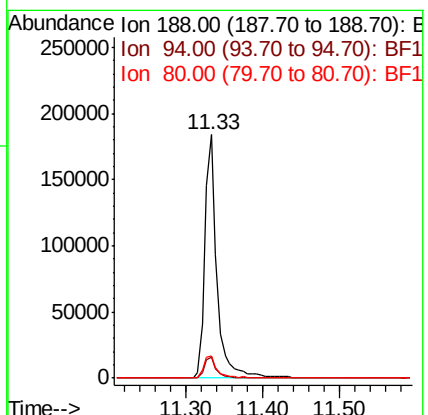
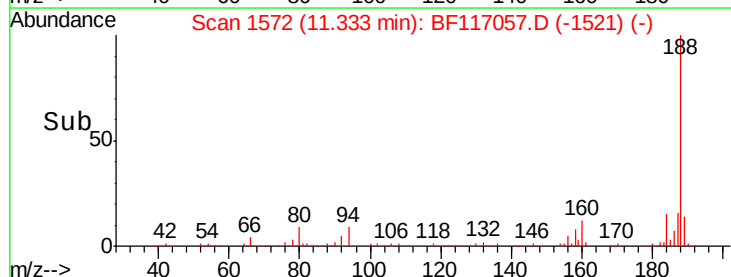
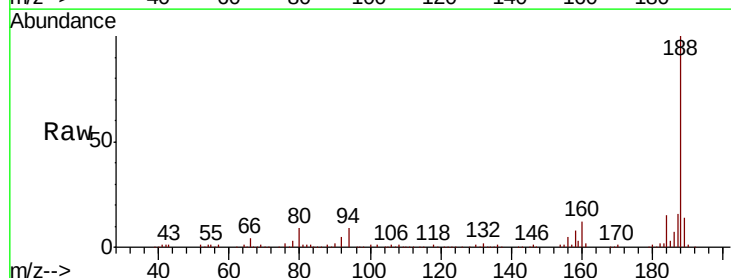
Instrument :
 BNA_F
 ClientSampled :

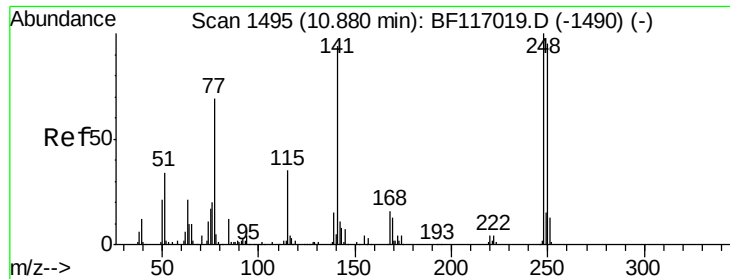
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.2
80	9.3	9.0	13.6

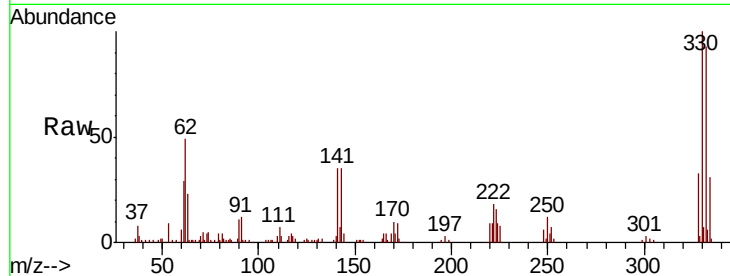




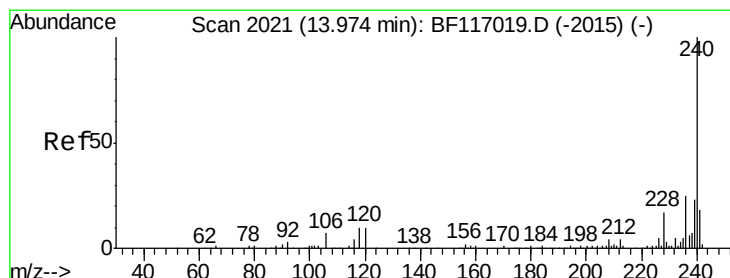
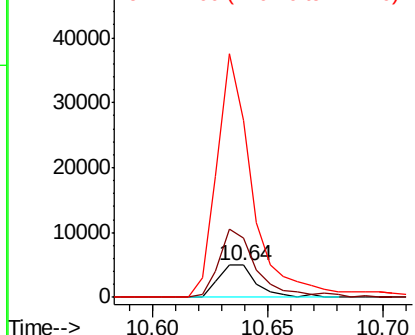
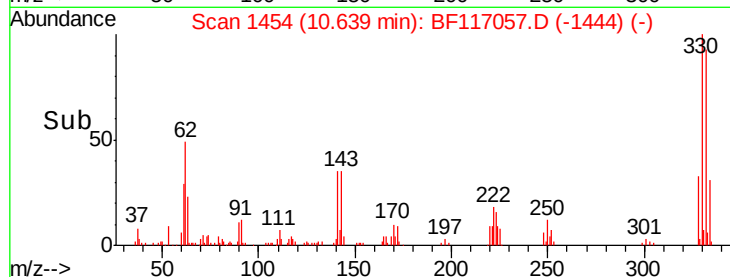
#67
 4-Bromophenyl-phenylether
 Concen: 2.757 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 5658
 Ion Ratio Lower Upper
 248 100
 250 183.6 76.2 114.4#
 141 547.9 75.0 112.4#

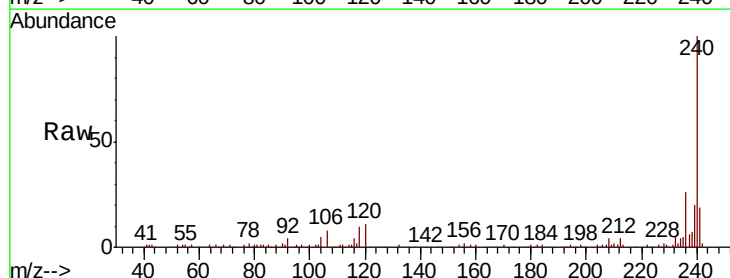


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

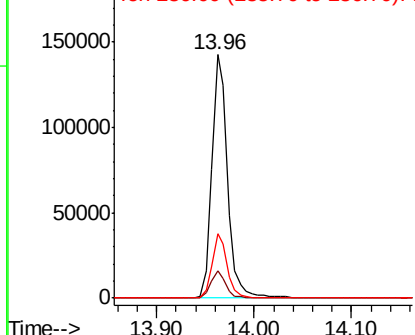
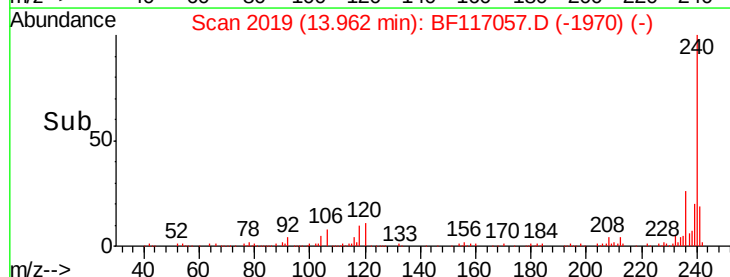


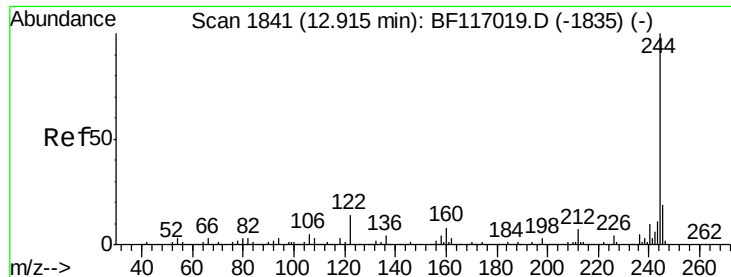
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Tgt Ion:240 Resp: 158310
 Ion Ratio Lower Upper
 240 100
 120 11.1 8.3 12.5
 236 26.2 20.3 30.5



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

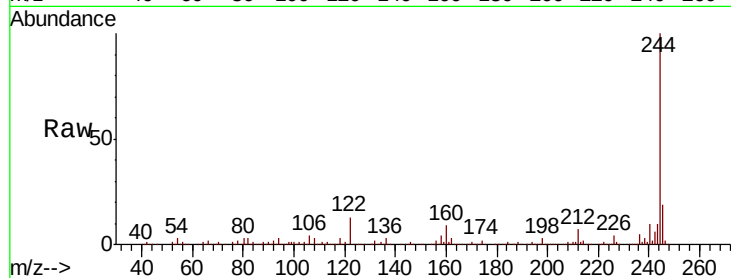




#79
 Terphenyl-d14
 Concen: 62.471 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	13.0	11.3	16.9

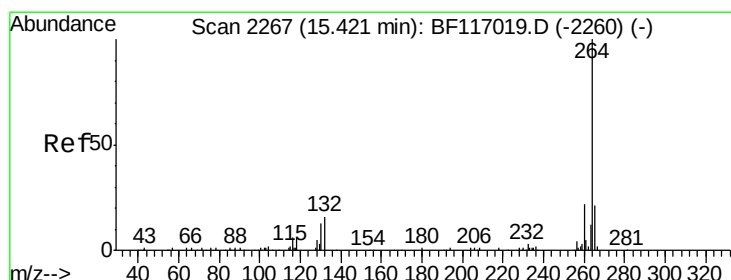
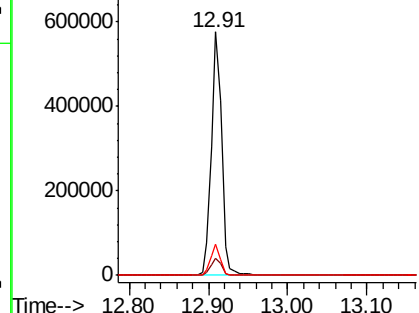
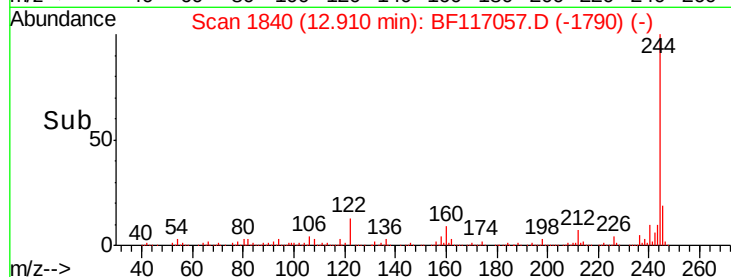


Abundance

Ion 244.00 (243.70 to 244.70): E

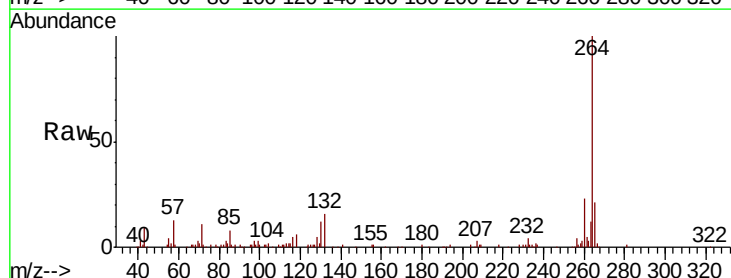
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117057.D
 Acq: 16 Sep 2019 12:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.6	26.4
265	20.6	16.6	24.8



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

