

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117912.D
 Acq On : 21 Nov 2019 15:13
 Operator : JU
 Sample : K5955-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-2

Quant Time: Nov 21 15:47:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

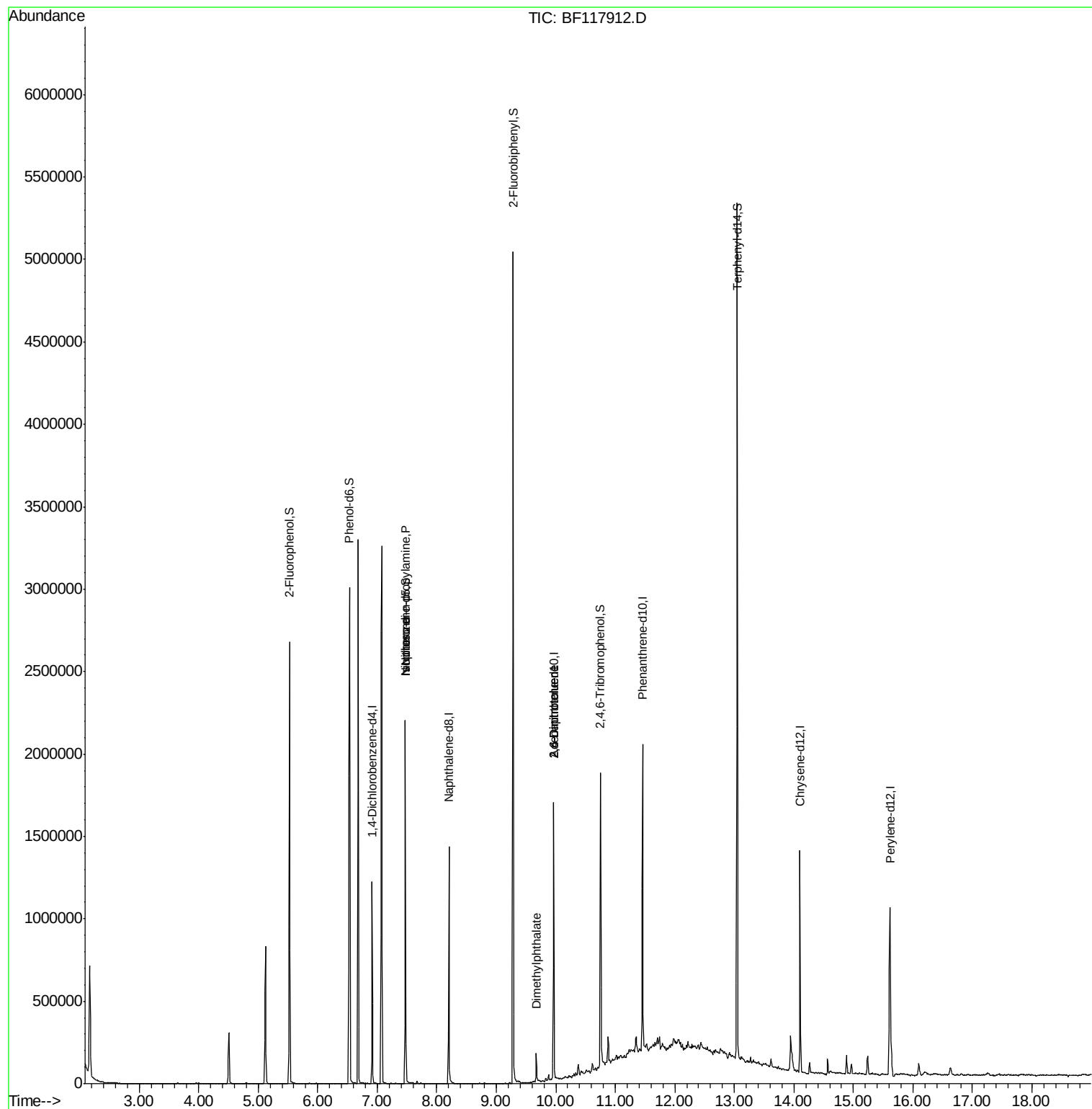
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	164224	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	633602	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	341148	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	651692	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	419062	20.00	ng	-0.01
87) Perylene-d12	15.62	264	505653	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	728535	78.53	ng	0.00
7) Phenol-d6	6.53	99	1081724	96.67	ng	-0.01
23) Nitrobenzene-d5	7.47	82	728478	68.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	229677	63.59	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	1523985	80.14	ng	-0.01
79) Terphenyl-d14	13.05	244	1786167	77.90	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	1620	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.47	70	99513	14.415 ng	#	75
25) Isophorone	7.47	82	728475	37.290 ng	#	62
50) Dimethylphthalate	9.67	163	66280	2.771 ng		98
51) 2,6-Dinitrotoluene	9.96	165	44823	8.573 ng	#	23
57) 2,4-Dinitrotoluene	9.96	165	44824	6.740 ng	#	24
75) Fluoranthene	12.67	202	3726	Below Cal		82

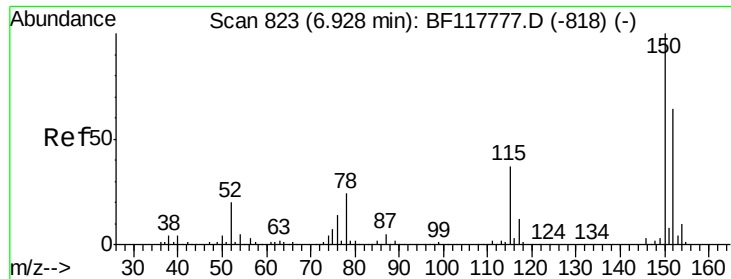
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration



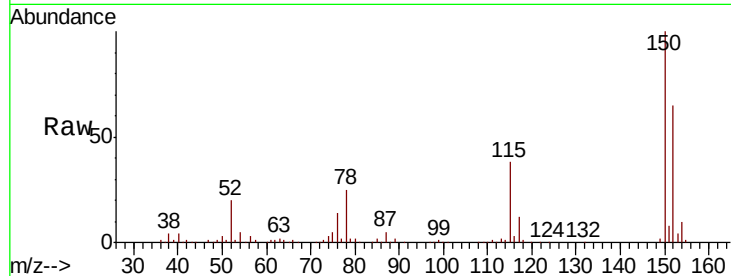


#1

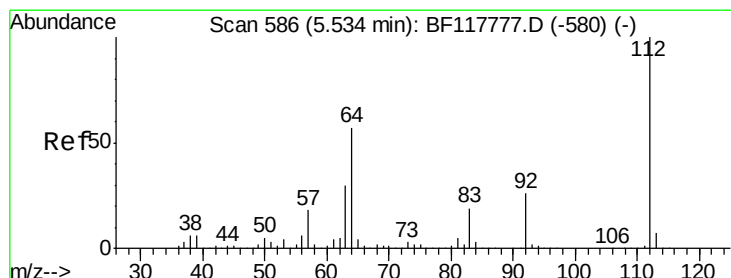
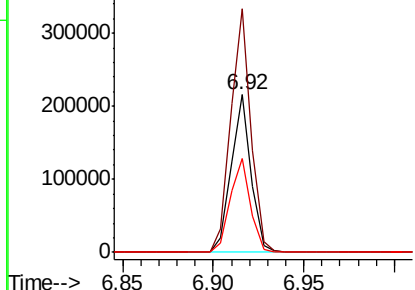
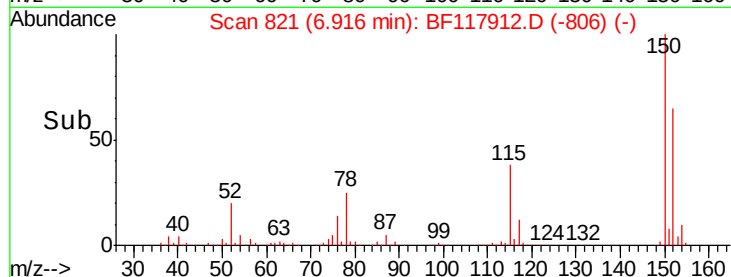
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-2

Tot Ion:152 Resp: 164224
Ion Ratio Lower Upper
152 100
150 154.6 125.3 187.9
115 59.5 47.0 70.4



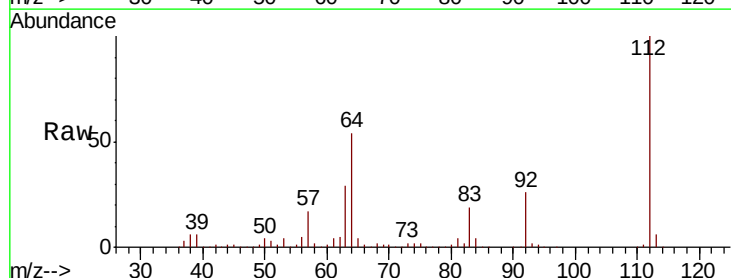
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



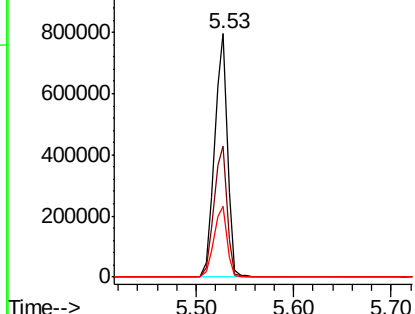
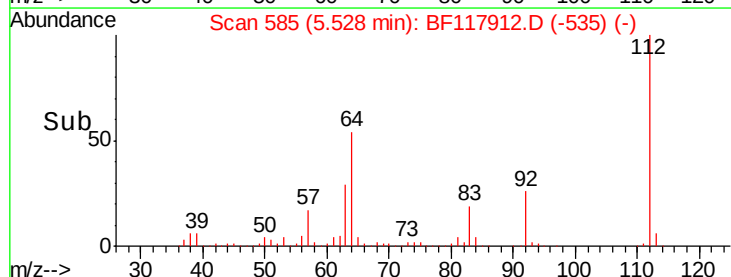
#5

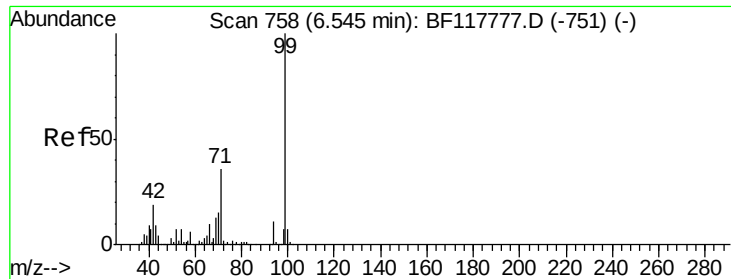
2-Fluorophenol
Concen: 78.526 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Tgt Ion:112 Resp: 728535
Ion Ratio Lower Upper
112 100
64 53.9 45.6 68.4
63 29.3 24.1 36.1



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: 96.666 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-2

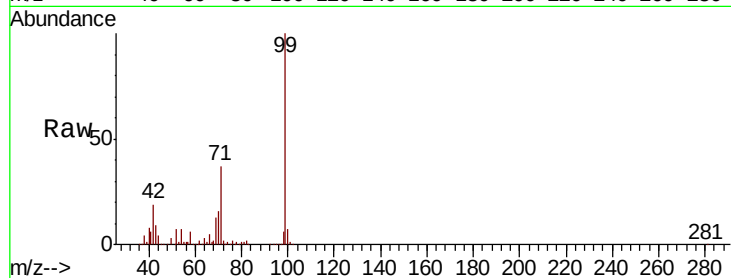
Tot Ion: 99 Resp: 1081724

Ion Ratio Lower Upper

99 100

42 18.9 14.9 22.3

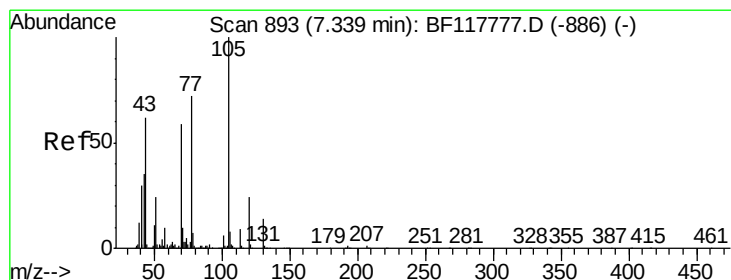
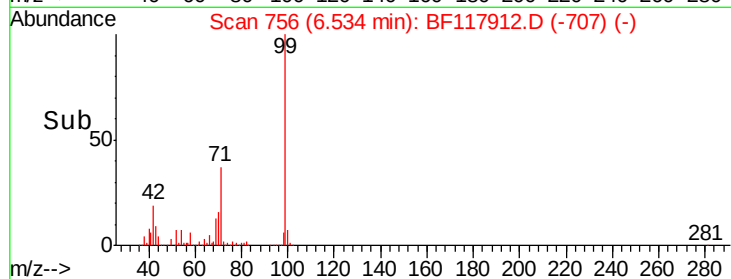
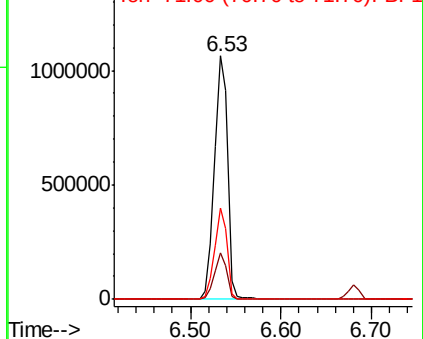
71 37.3 28.6 43.0



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: 14.415 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

Tgt Ion: 70 Resp: 99513

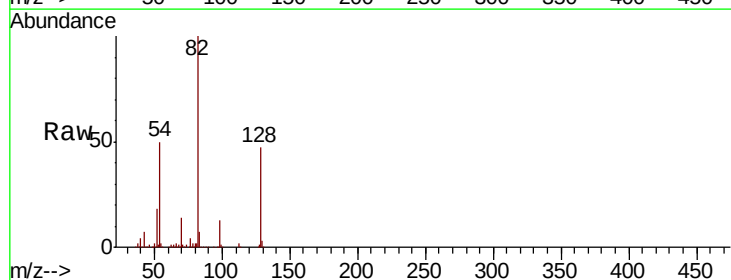
Ion Ratio Lower Upper

70 100

42 46.3 47.4 71.2#

101 0.0 8.4 12.6#

130 2.4 18.8 28.2#

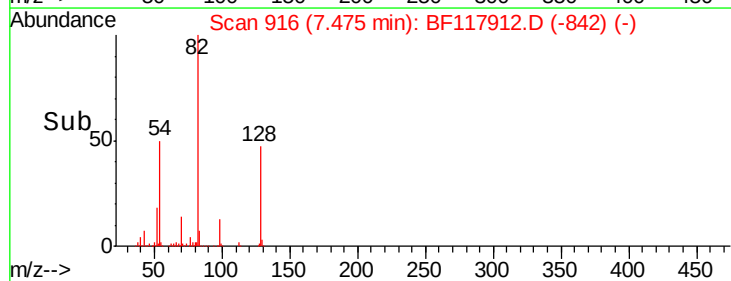
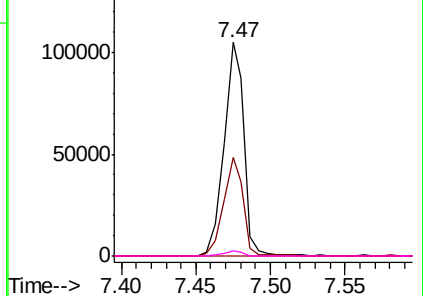


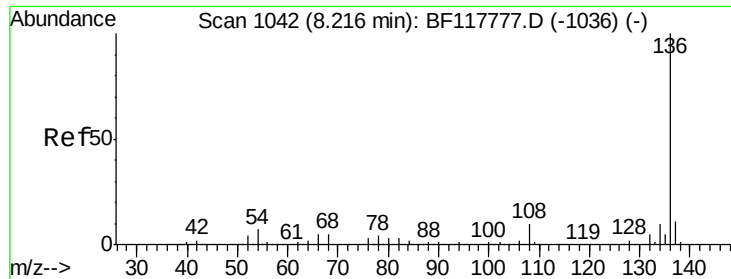
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

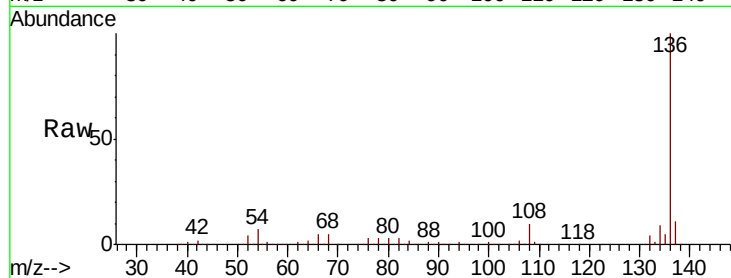




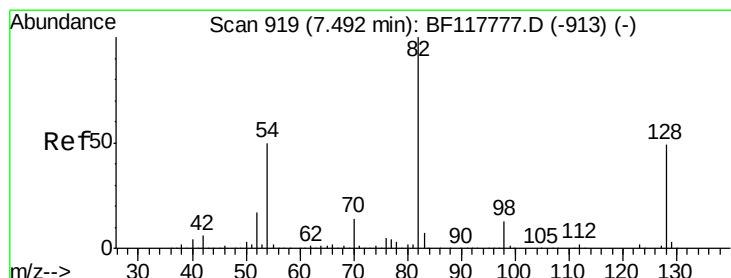
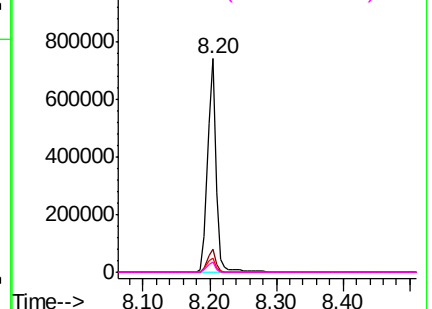
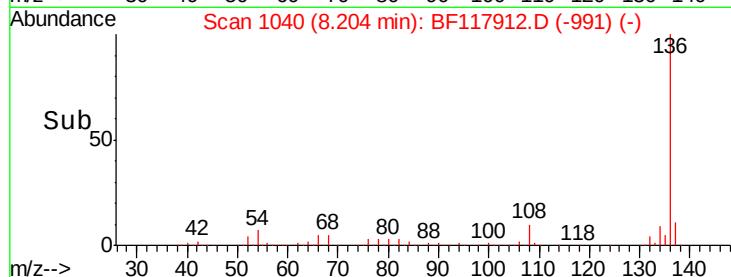
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-2

Tot Ion:136 Resp: 633602
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.6 5.4 8.2
68 4.9 4.3 6.5

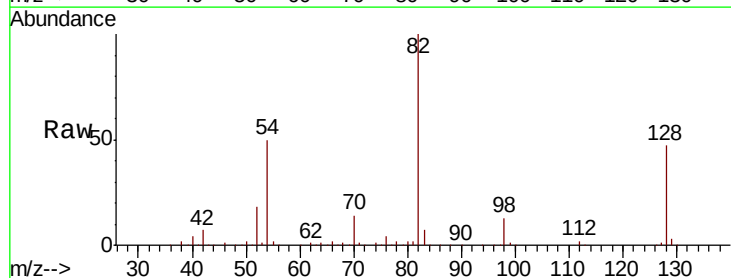


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

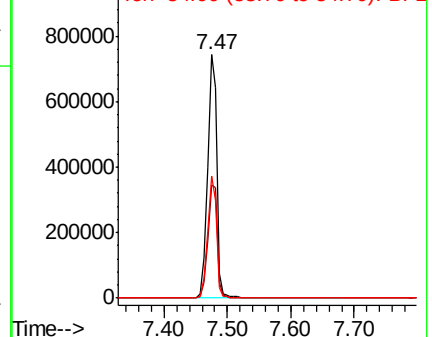
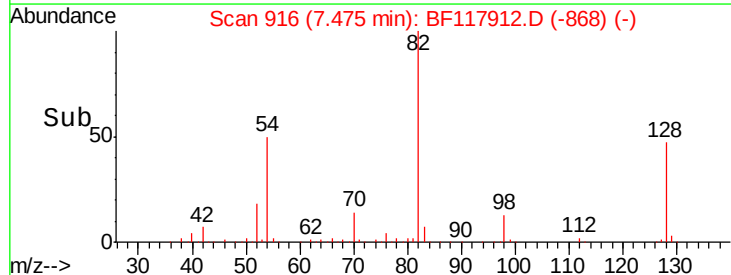


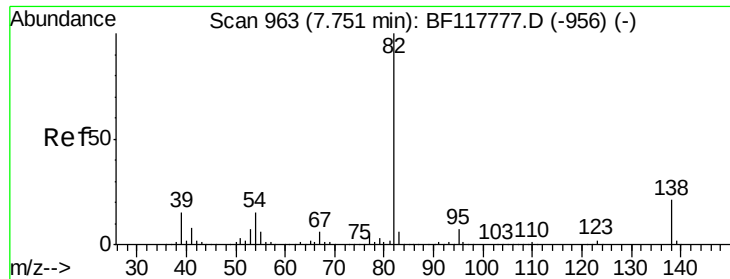
#23
Nitrobenzene-d5
Concen: 68.347 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Tgt Ion: 82 Resp: 728478
Ion Ratio Lower Upper
82 100
128 46.7 38.9 58.3
54 50.2 39.8 59.6



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





#25

Isophorone

Concen: 37.290 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.28 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-2

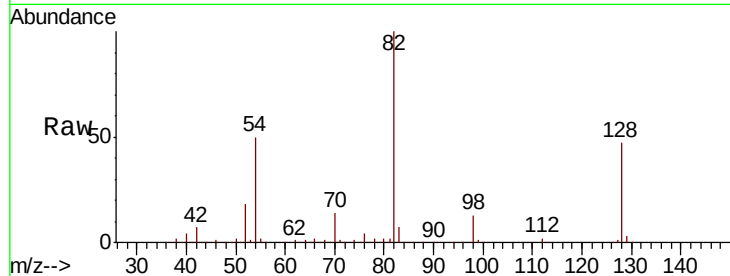
Tot Ion: 82 Resp: 728475

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

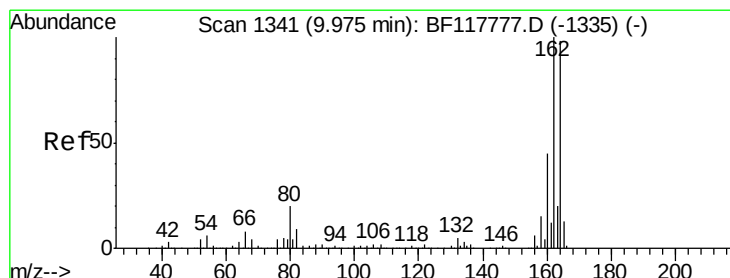
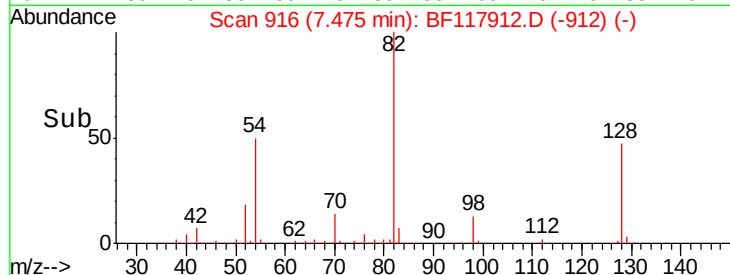
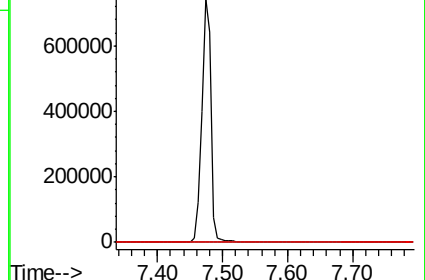
138 0.0 16.5 24.7#



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: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

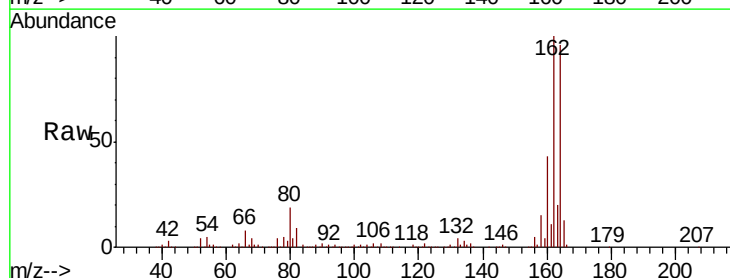
Tgt Ion: 164 Resp: 341148

Ion Ratio Lower Upper

164 100

162 104.2 81.3 121.9

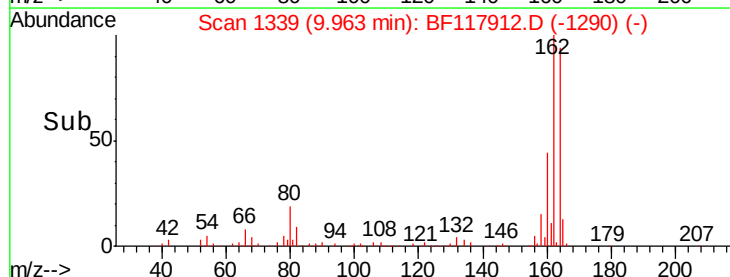
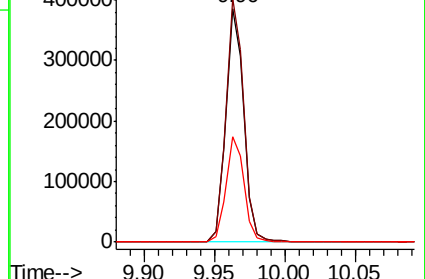
160 45.3 36.6 55.0

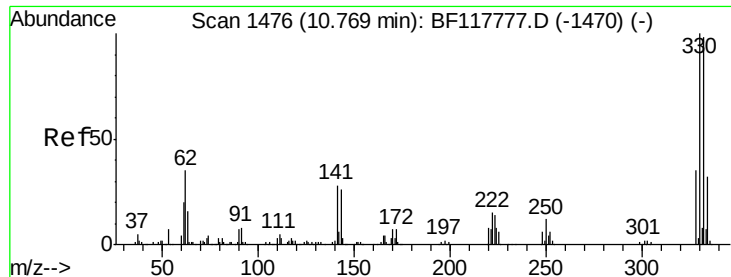


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 63.593 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-2

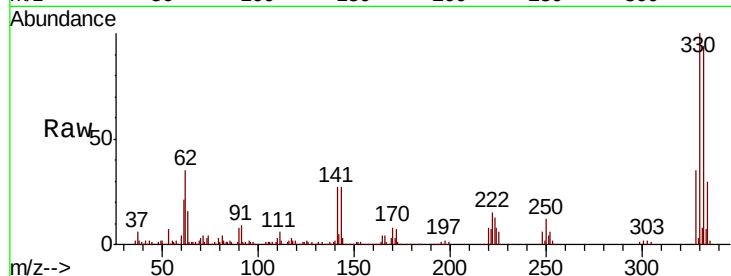
Tot Ion:330 Resp: 229677

Ion Ratio Lower Upper

330 100

332 96.3 76.7 115.1

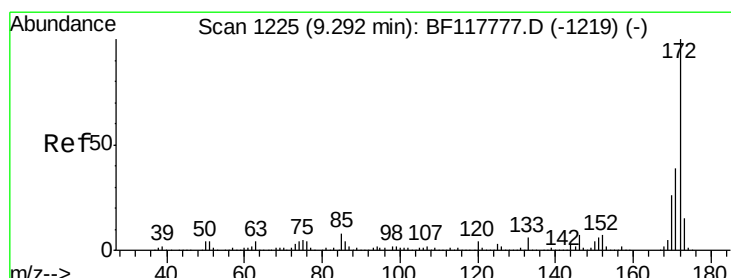
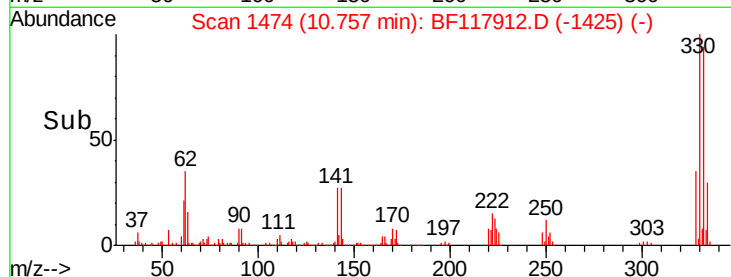
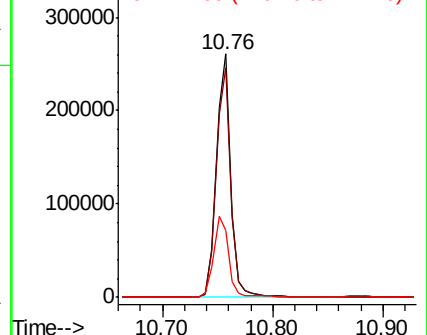
141 34.0 27.7 41.5



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: 80.144 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

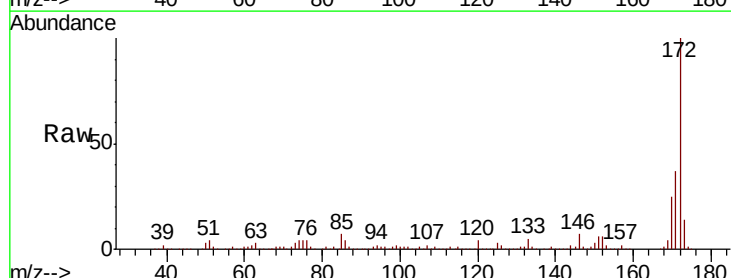
Tgt Ion:172 Resp: 1523985

Ion Ratio Lower Upper

172 100

171 36.8 30.9 46.3

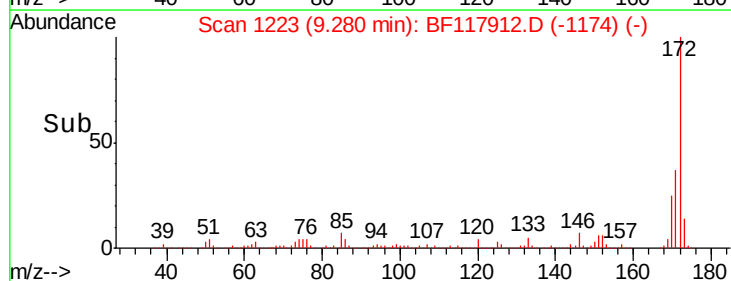
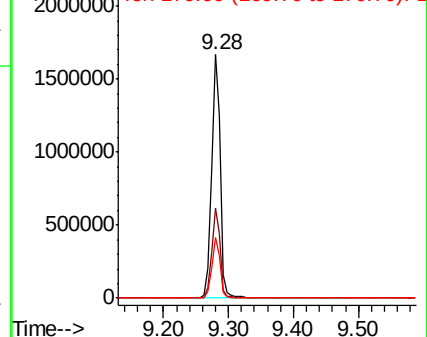
170 24.6 21.0 31.4

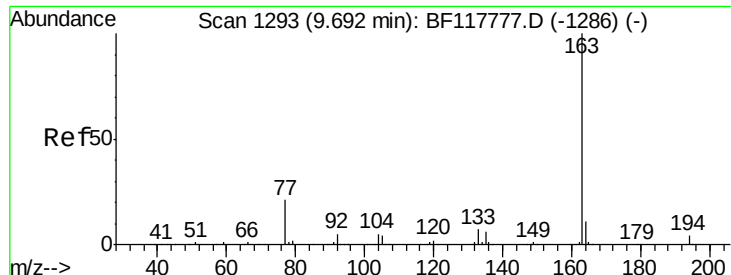


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

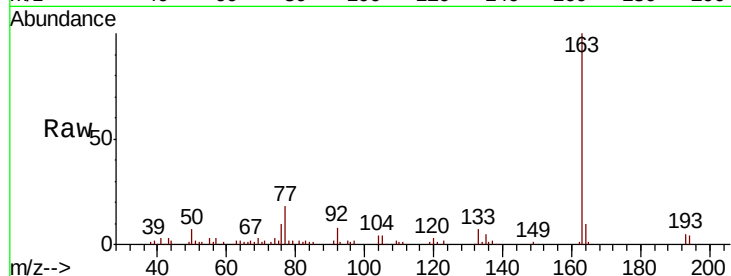




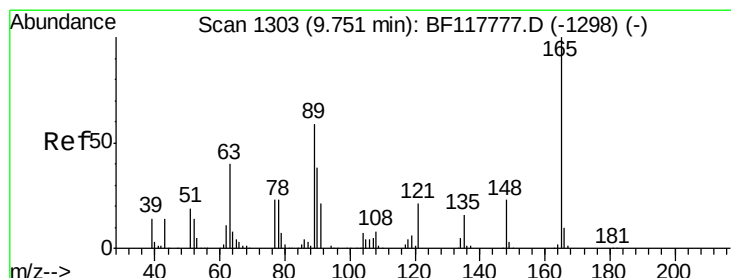
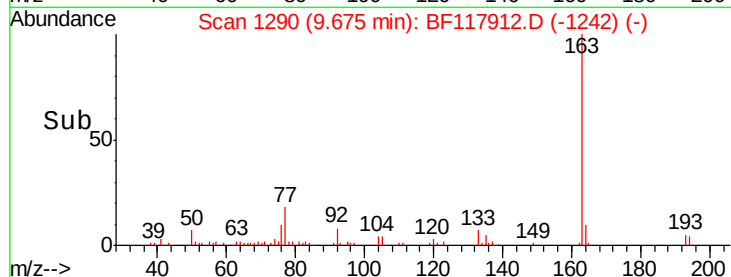
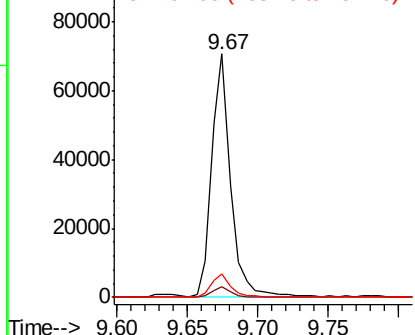
#50
Dimethylphthalate
Concen: 2.771 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-2

Tot Ion:163 Resp: 66280
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 9.7 8.7 13.1

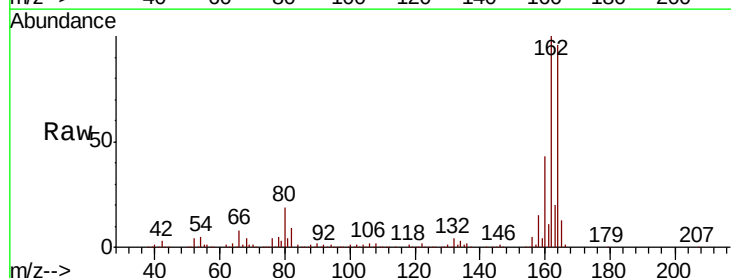


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

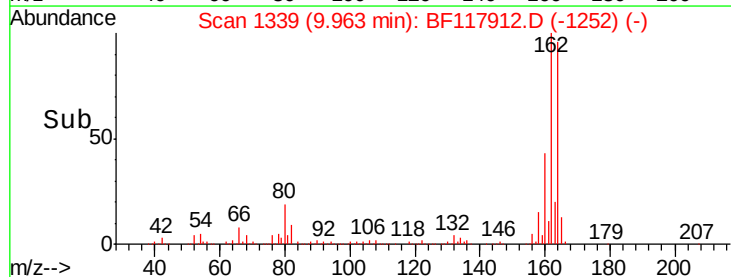
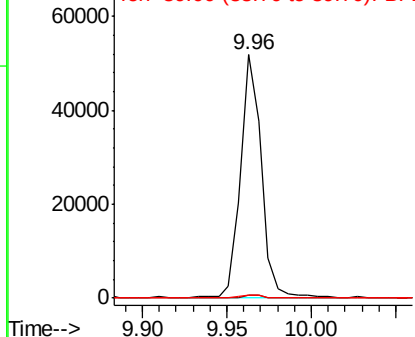


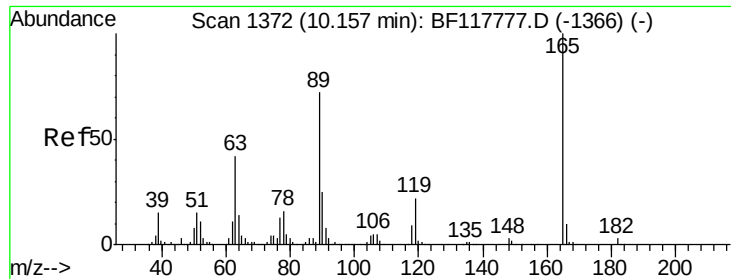
#51
2,6-Dinitrotoluene
Concen: 8.573 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.21 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Tgt Ion:165 Resp: 44823
Ion Ratio Lower Upper
165 100
63 1.2 46.0 69.0#
89 1.3 47.7 71.5#



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

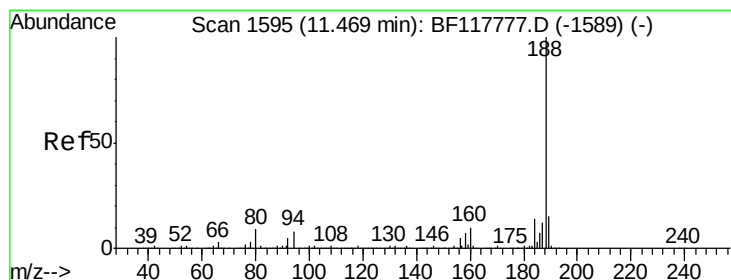
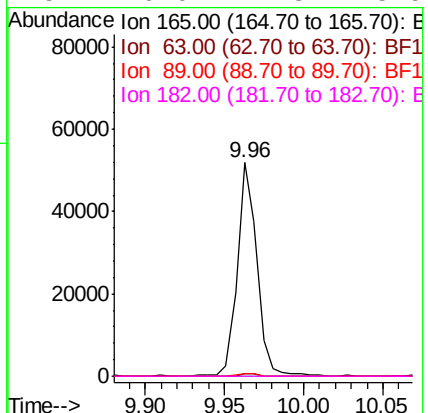
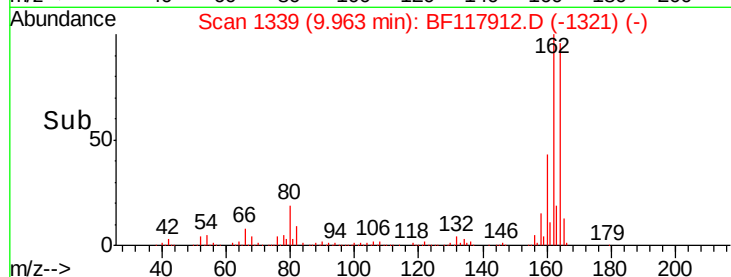
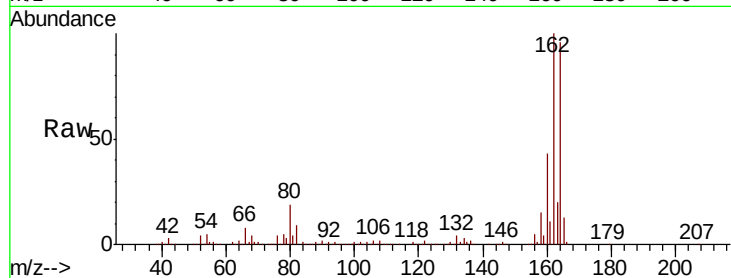




#57
2,4-Dinitrotoluene
Concen: 6.740 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.19 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

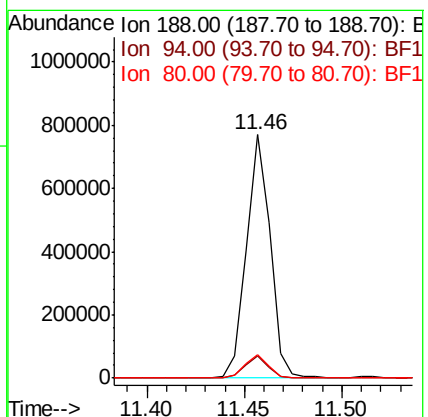
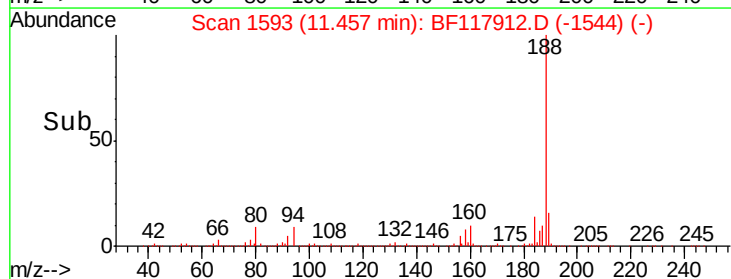
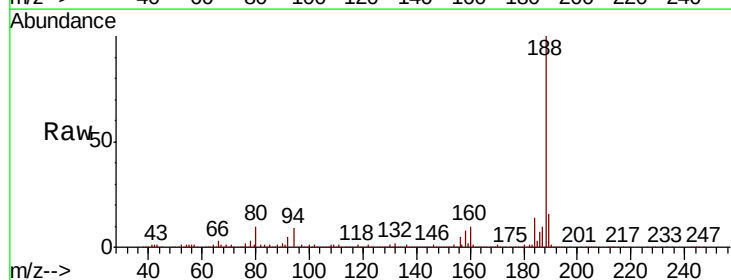
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-2

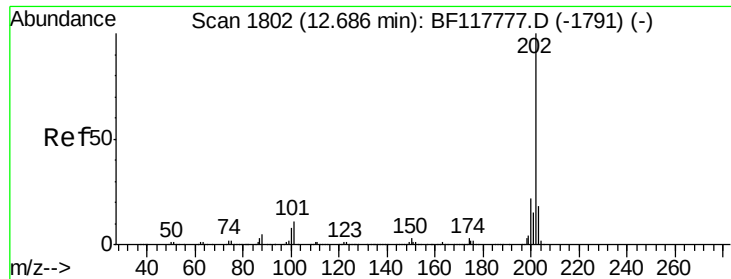
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	33.7	50.5#
89	1.3	57.3	85.9#
182	0.0	2.3	3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117912.D
Acq: 21 Nov 2019 15:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.6	10.0
80	9.5	7.2	10.8





#75

Fluoranthene

Concen: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-2

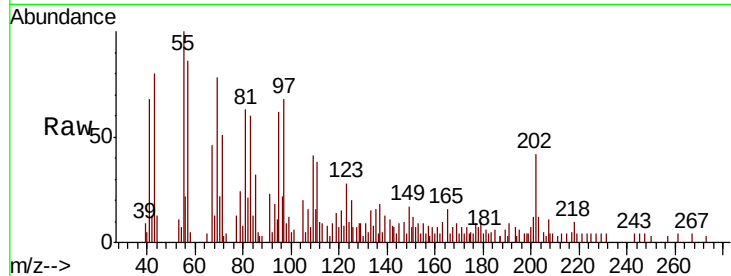
Tot Ion:202 Resp: 3726

Ion Ratio Lower Upper

202 100

101 14.3 0.0 31.1

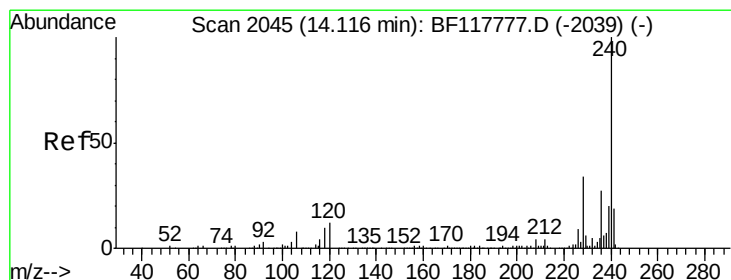
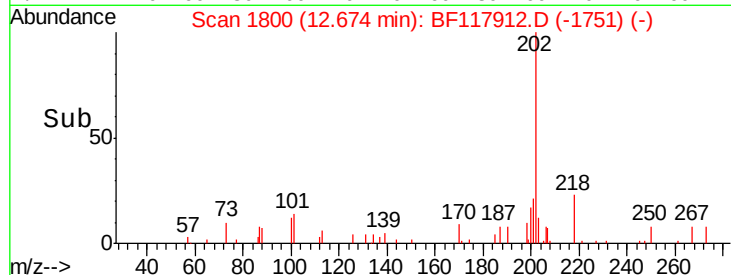
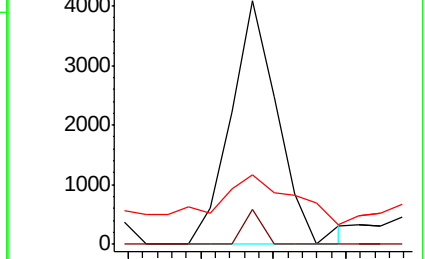
203 28.8 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

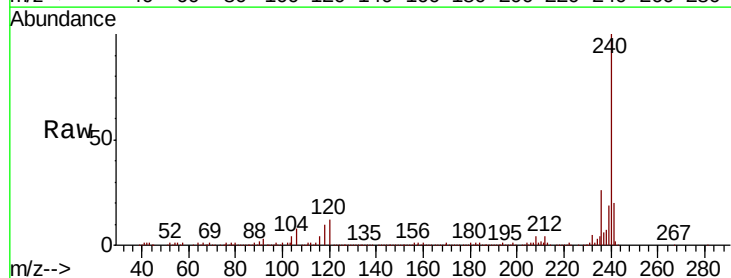
Tgt Ion:240 Resp: 419062

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

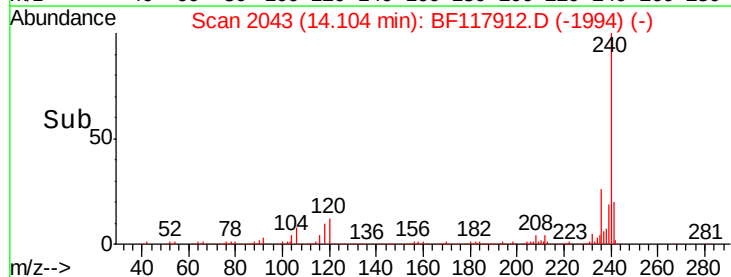
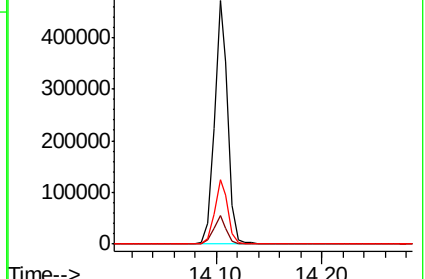
236 26.3 21.3 31.9

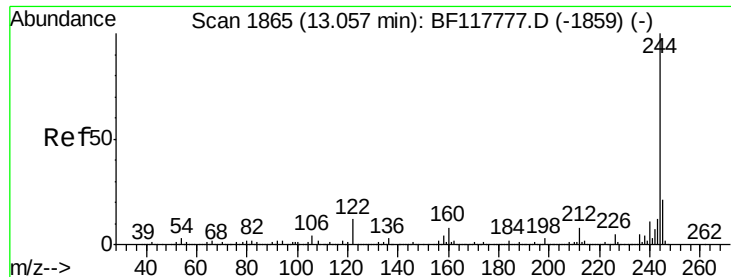


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 77.898 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-2

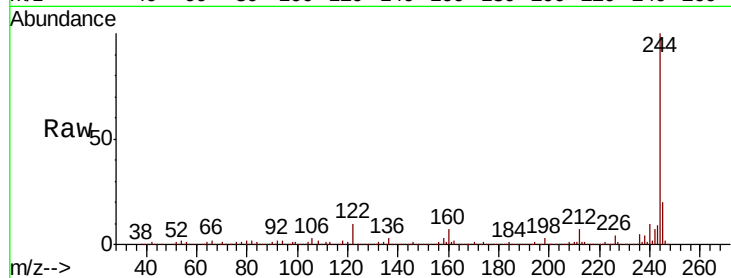
Tot Ion:244 Resp: 1786167

Ion Ratio Lower Upper

244 100

212 7.0 6.3 9.5

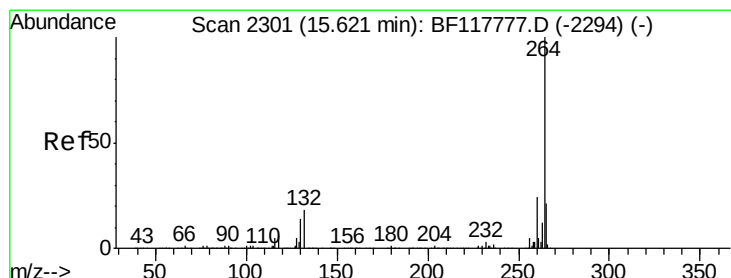
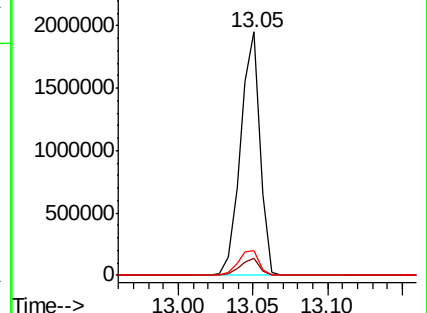
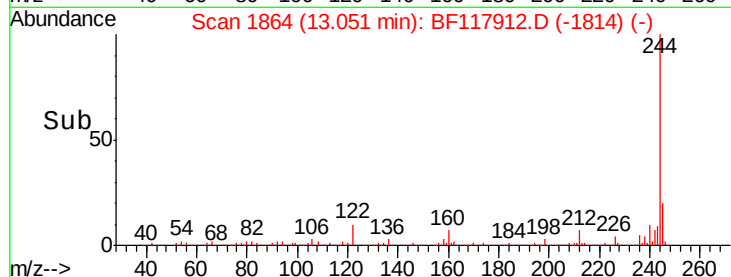
122 10.4 9.4 14.2



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: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117912.D

Acq: 21 Nov 2019 15:13

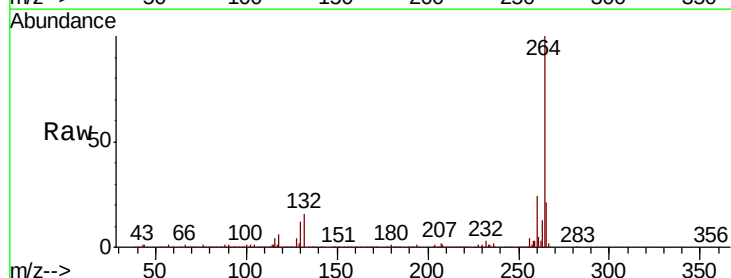
Tgt Ion:264 Resp: 505653

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

265 20.9 17.1 25.7



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

