

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112119\
 Data File : BF117911.D
 Acq On : 21 Nov 2019 14:46
 Operator : JU
 Sample : K5955-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-1

Quant Time: Nov 21 15:17:37 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

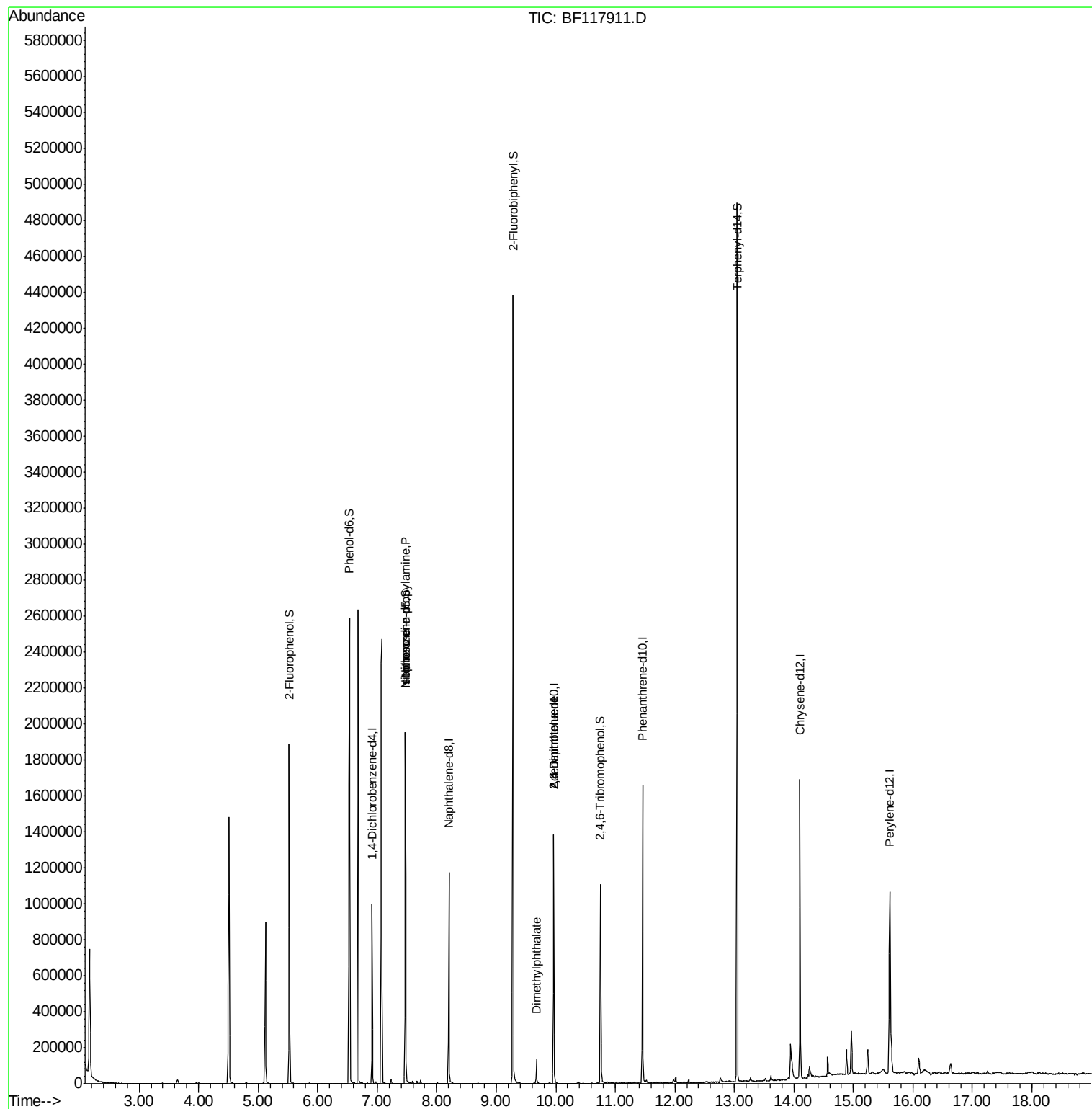
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	127518	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	518828	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	283057	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	568537	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	506595	20.00	ng	-0.01
87) Perylene-d12	15.62	264	510822	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	515067	71.50	ng	-0.01
7) Phenol-d6	6.53	99	831013	95.64	ng	-0.01
23) Nitrobenzene-d5	7.47	82	585476	67.08	ng	-0.02
42) 2,4,6-Tribromophenol	10.75	330	129023	43.06	ng	-0.02
45) 2-Fluorobiphenyl	9.28	172	1233177	78.16	ng	-0.01
79) Terphenyl-d14	13.05	244	1670779	60.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.53	77	1572	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.47	70	79056	14.748	ng	# 76
25) Isophorone	7.47	82	581609	36.358	ng	# 62
50) Dimethylphthalate	9.67	163	64951	3.272	ng	98
51) 2,6-Dinitrotoluene	9.96	165	35377	8.155	ng	# 24
57) 2,4-Dinitrotoluene	9.96	165	35377	6.411	ng	# 25
75) Fluoranthene	12.67	202	2614	Below Cal		94

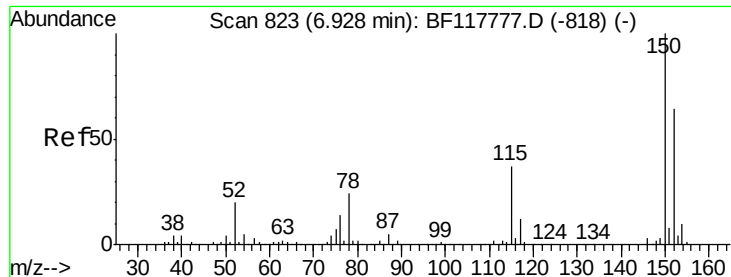
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration



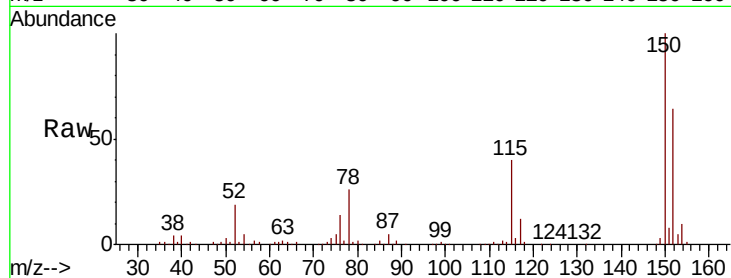


#1

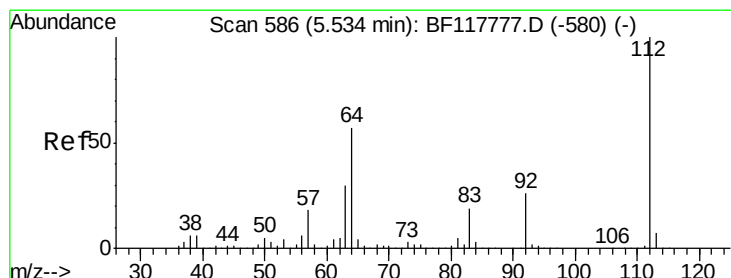
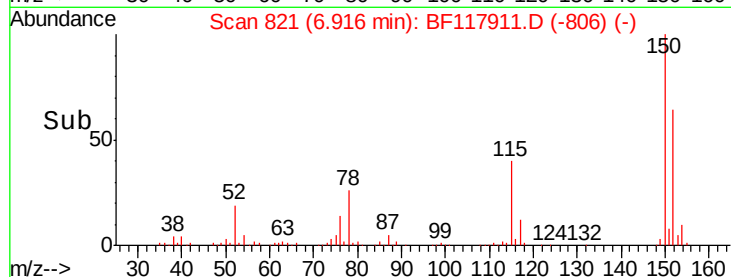
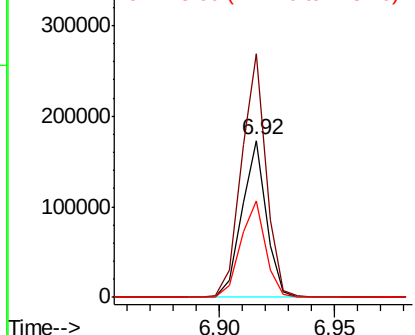
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-1

Tot Ion:152 Resp: 127518
Ion Ratio Lower Upper
152 100
150 155.4 125.3 187.9
115 61.7 47.0 70.4



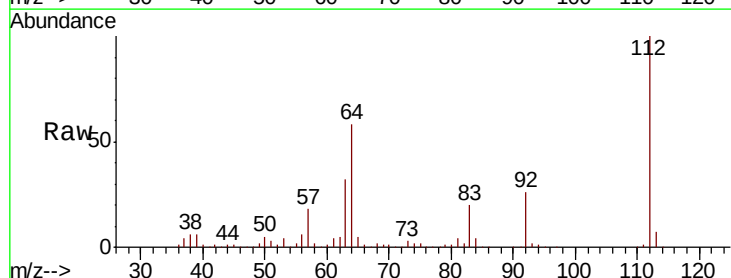
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



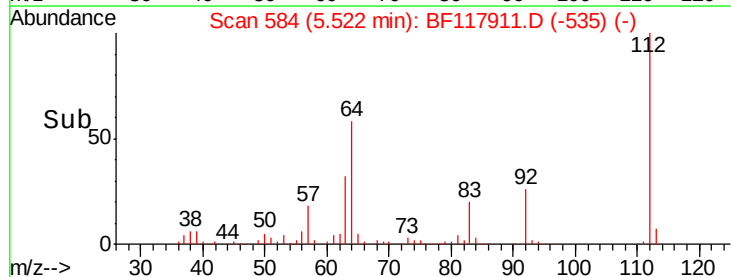
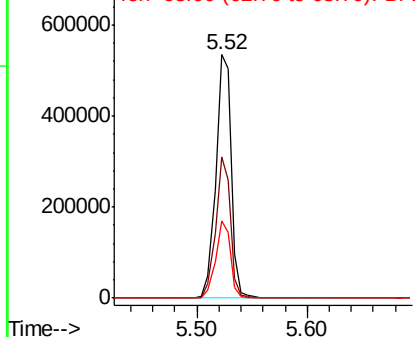
#5

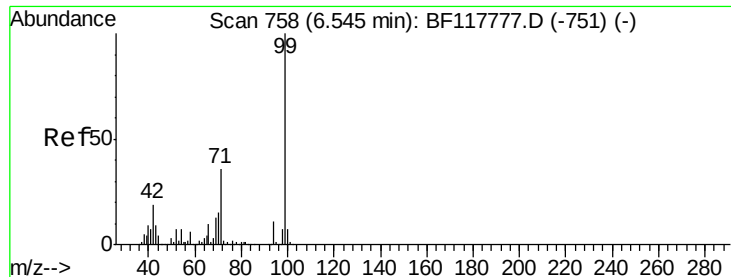
2-Fluorophenol
Concen: 71.498 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

Tgt Ion:112 Resp: 515067
Ion Ratio Lower Upper
112 100
64 58.0 45.6 68.4
63 31.7 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: 95.638 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-1

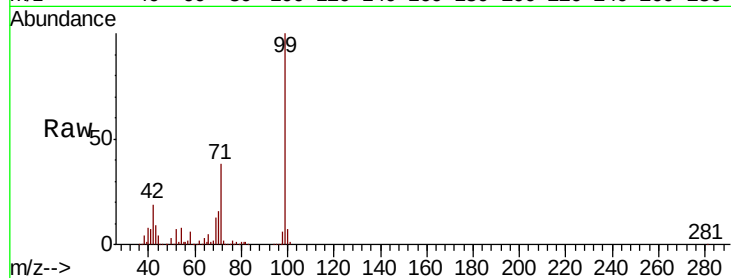
Tot Ion: 99 Resp: 831013

Ion Ratio Lower Upper

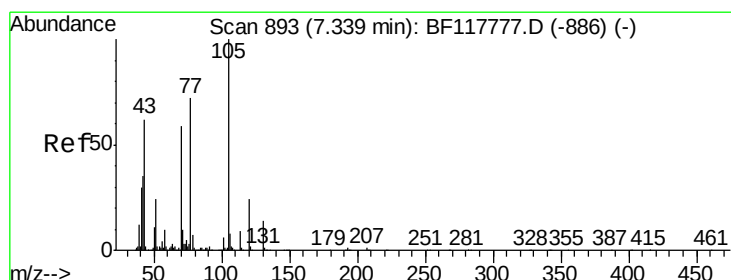
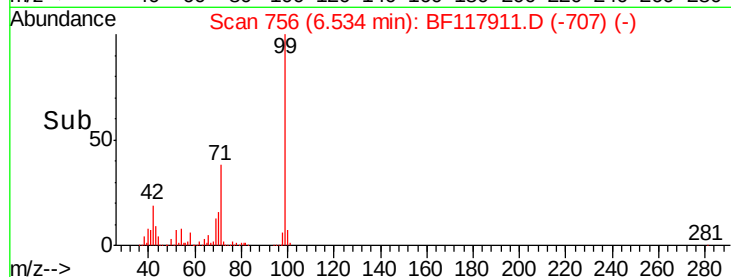
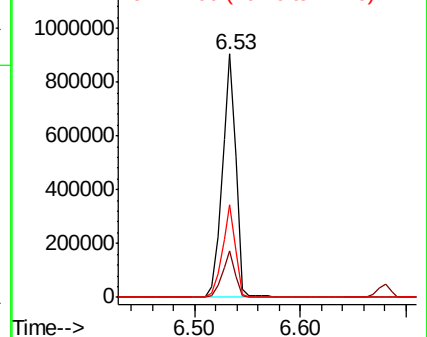
99 100

42 19.1 14.9 22.3

71 37.8 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: 14.748 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Tgt Ion: 70 Resp: 79056

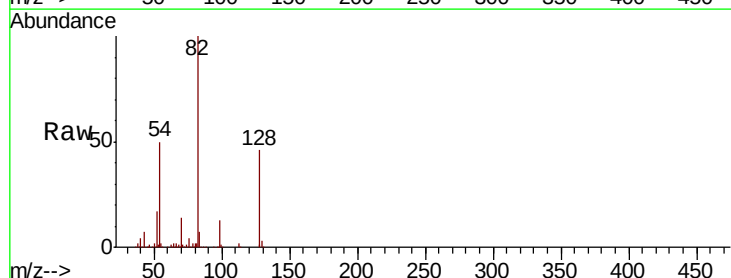
Ion Ratio Lower Upper

70 100

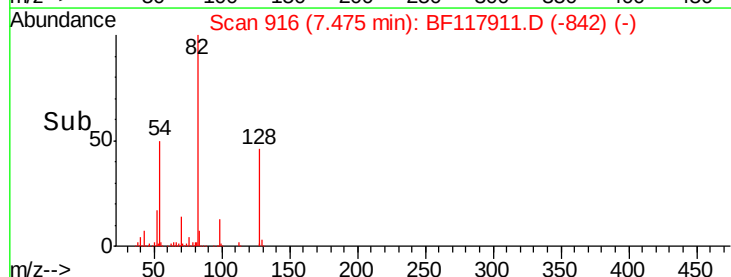
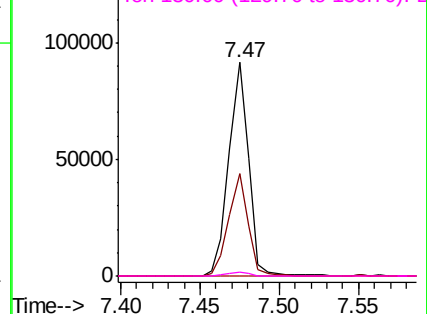
42 47.9 47.4 71.2

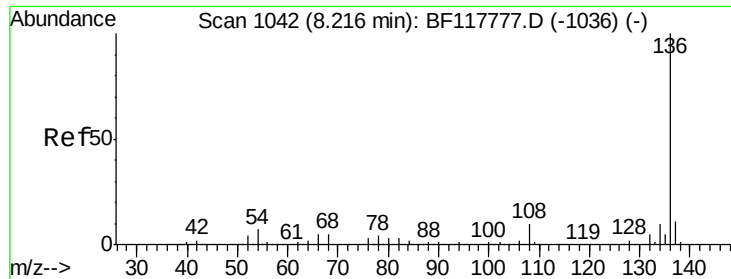
101 0.0 8.4 12.6#

130 2.0 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

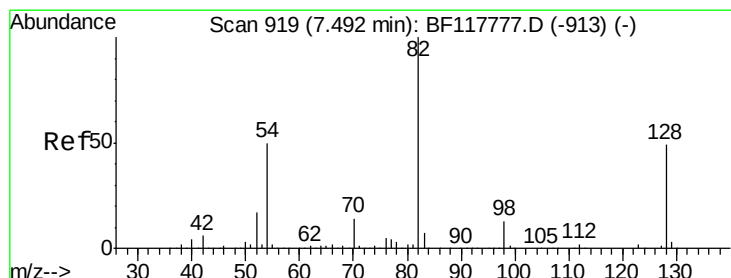
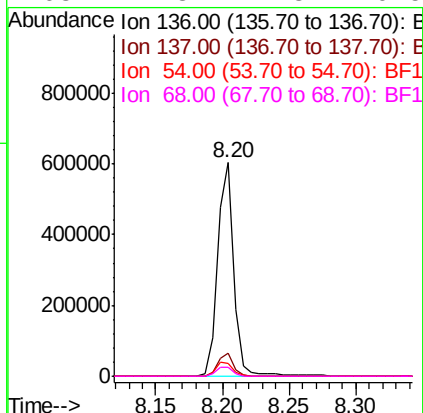
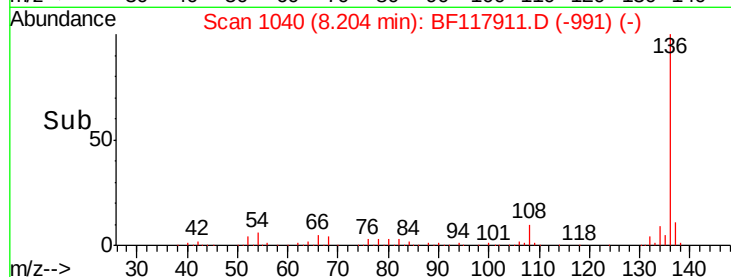
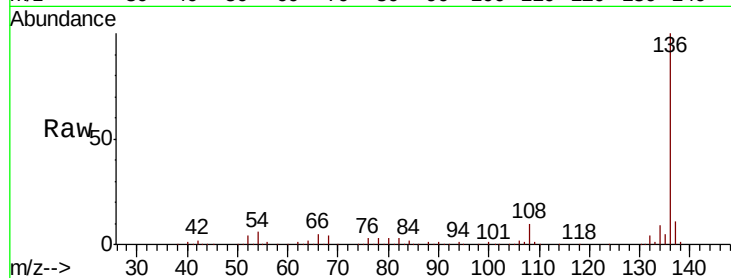




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

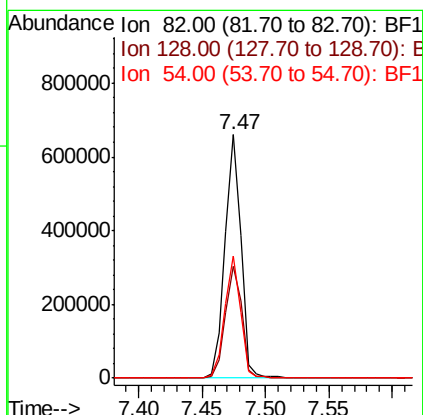
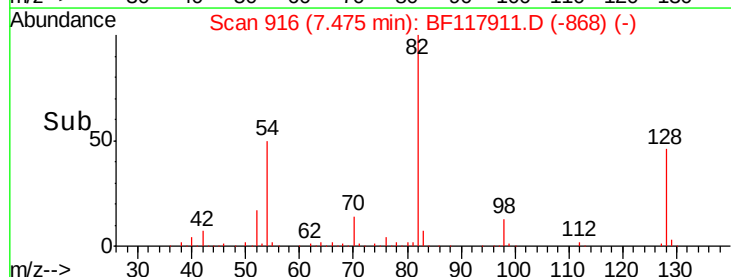
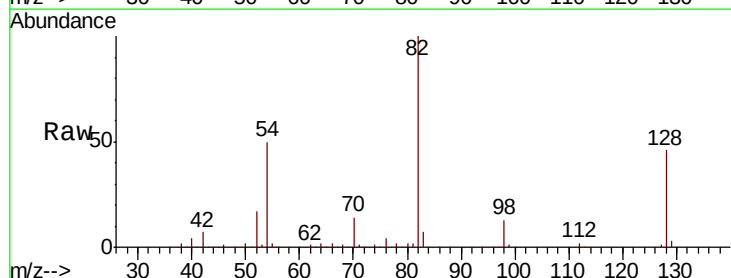
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-1

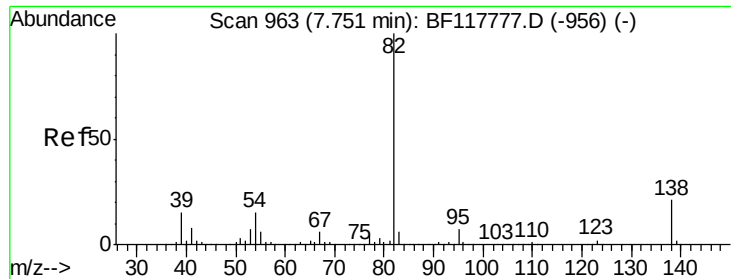
Tot Ion:136	Resp:	518828
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	6.1	5.4 8.2
68	4.3	4.3 6.5#



#23
Nitrobenzene-d5
Concen: 67.082 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

Tgt Ion: 82	Resp:	585476
Ion Ratio	Lower	Upper
82	100	
128	46.1	38.9 58.3
54	50.1	39.8 59.6

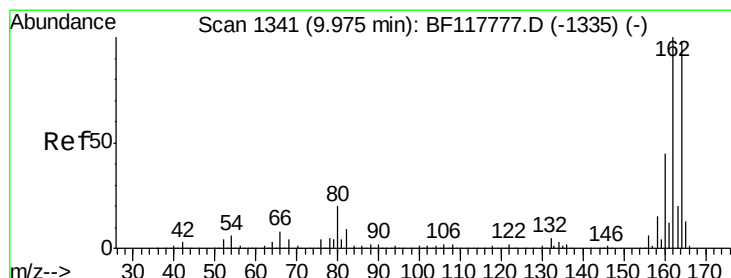
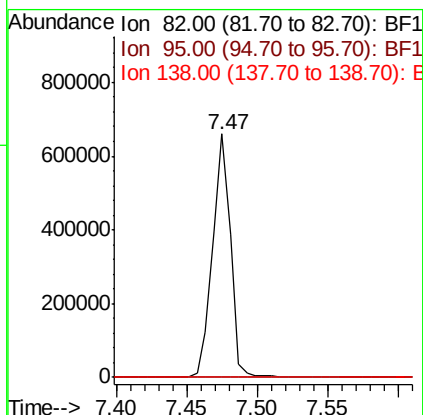
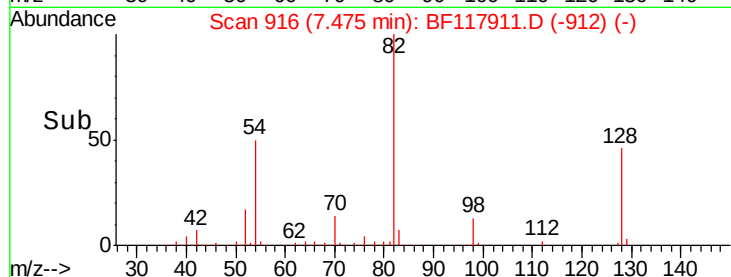
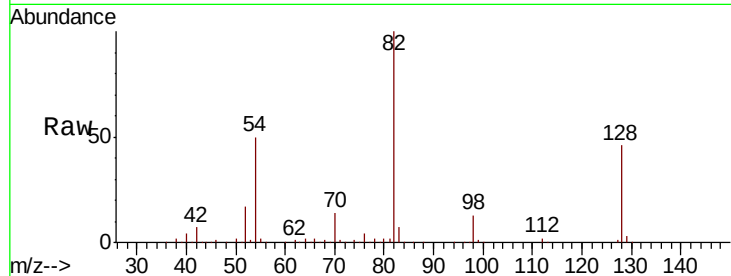




#25
Isophorone
Concen: 36.358 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

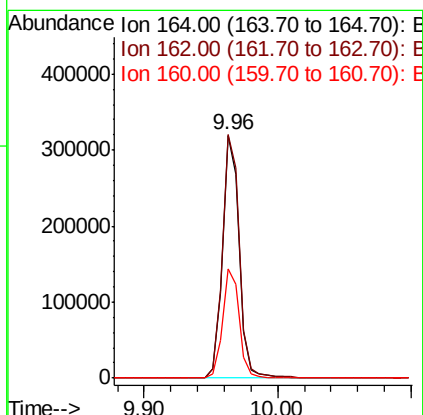
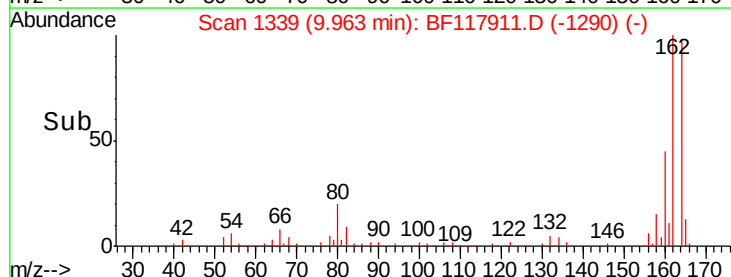
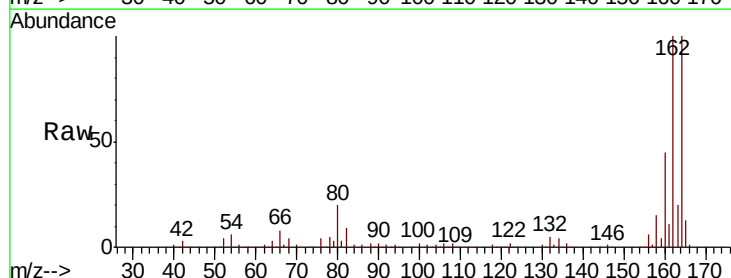
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-1

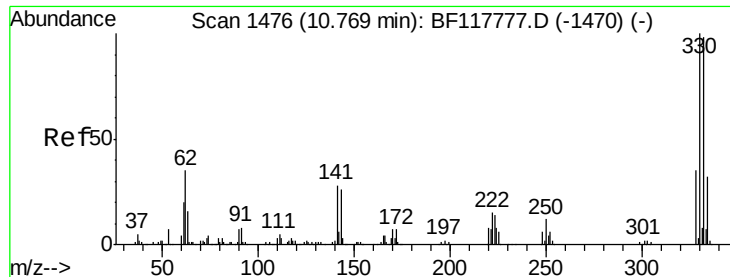
Tot Ion: 82 Resp: 581609
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 16.5 24.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

Tgt Ion: 164 Resp: 283057
Ion Ratio Lower Upper
164 100
162 100.3 81.3 121.9
160 45.1 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 43.055 ng

RT: 10.75 min Scan# 1473

Delta R.T. -0.02 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-1

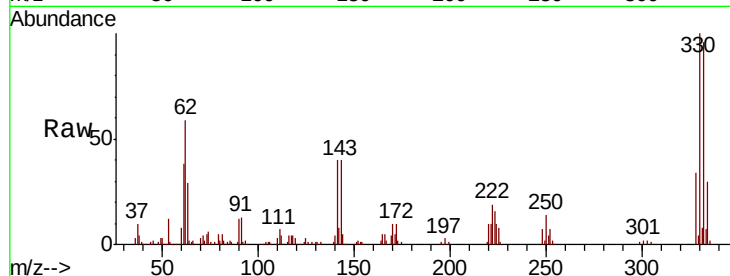
Tot Ion:330 Resp: 129023

Ion Ratio Lower Upper

330 100

332 95.4 76.7 115.1

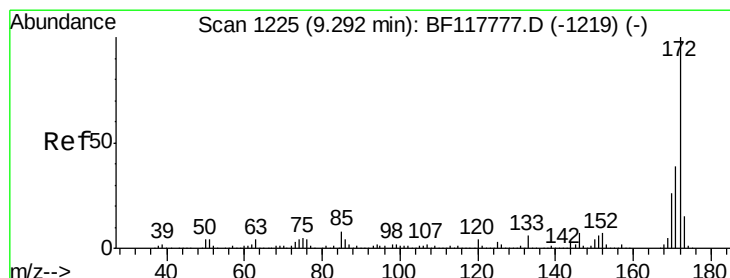
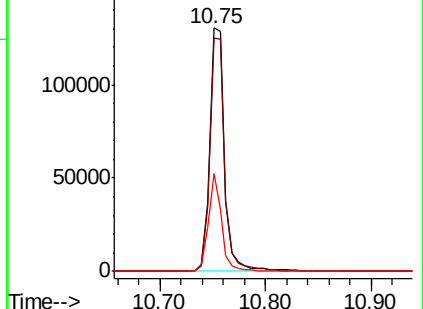
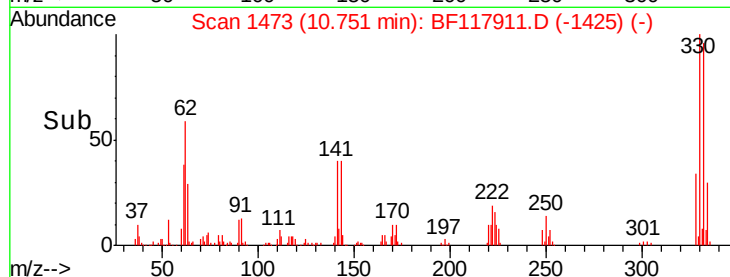
141 34.7 27.7 41.5



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: 78.160 ng

RT: 9.28 min Scan# 1223

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

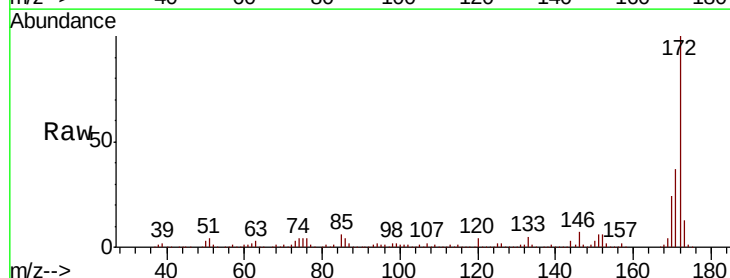
Tgt Ion:172 Resp: 1233177

Ion Ratio Lower Upper

172 100

171 36.5 30.9 46.3

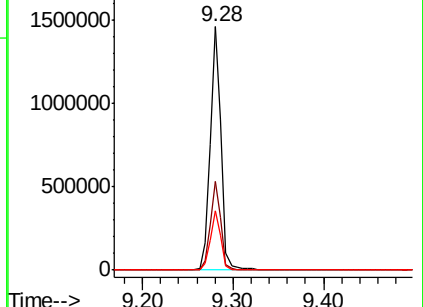
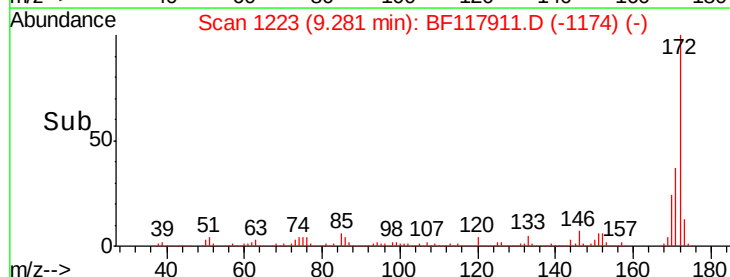
170 24.3 21.0 31.4

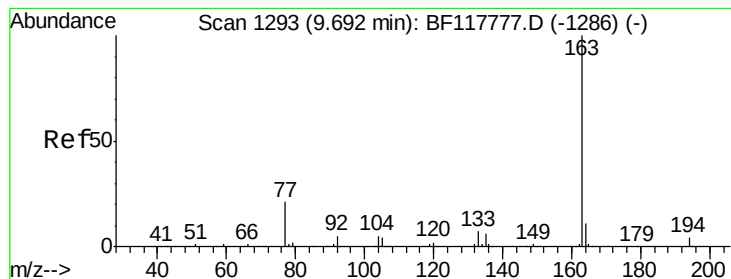


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.272 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-1

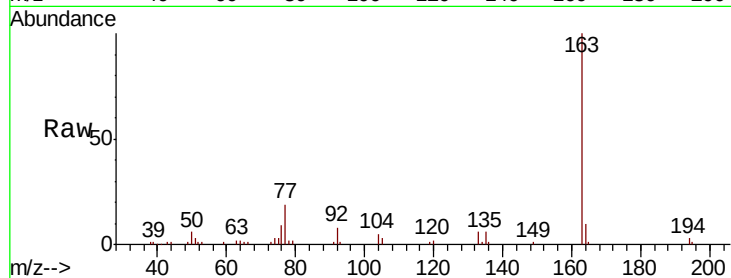
Tot Ion:163 Resp: 64951

Ion Ratio Lower Upper

163 100

194 3.5 3.3 4.9

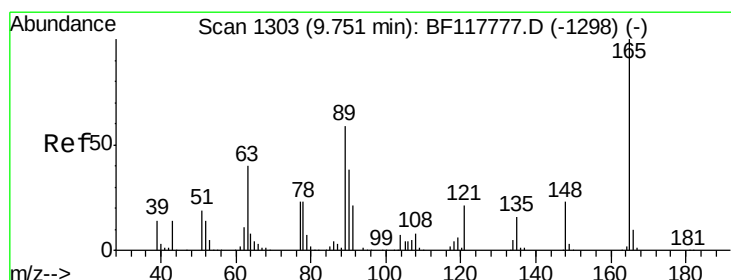
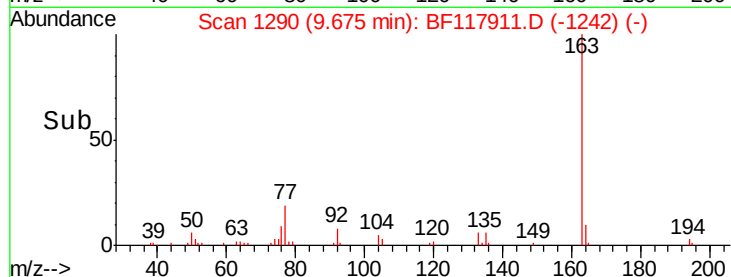
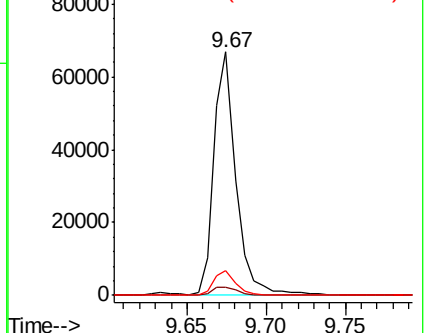
164 10.1 8.7 13.1



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: 8.155 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.21 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

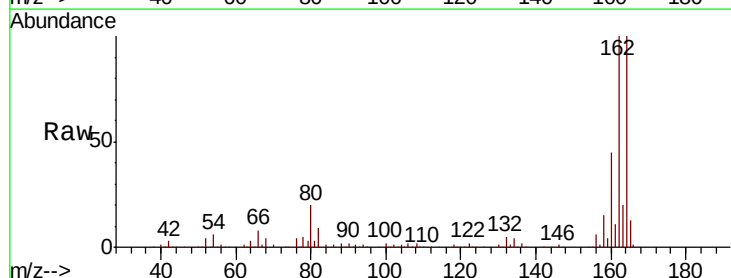
Tgt Ion:165 Resp: 35377

Ion Ratio Lower Upper

165 100

63 1.4 46.0 69.0#

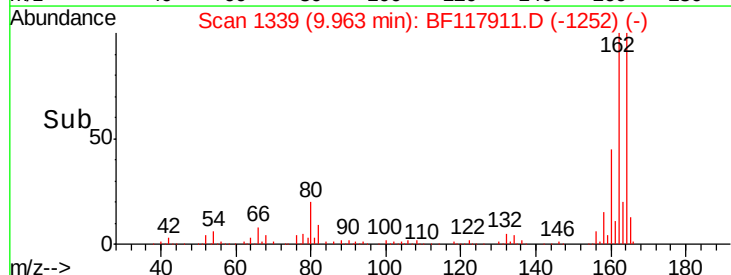
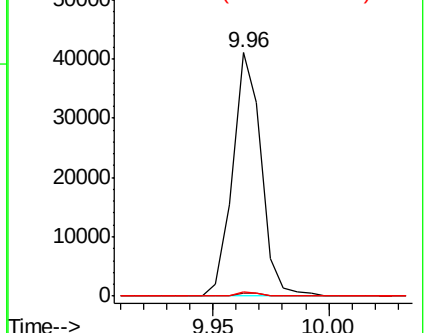
89 1.5 47.7 71.5#

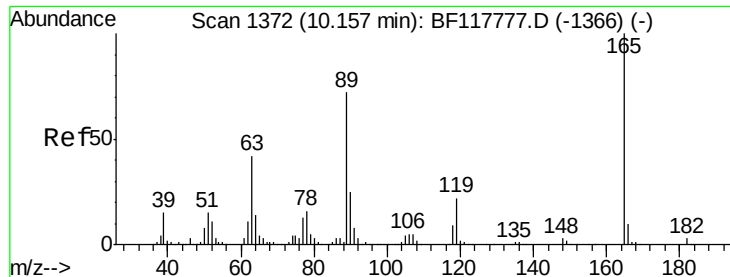


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

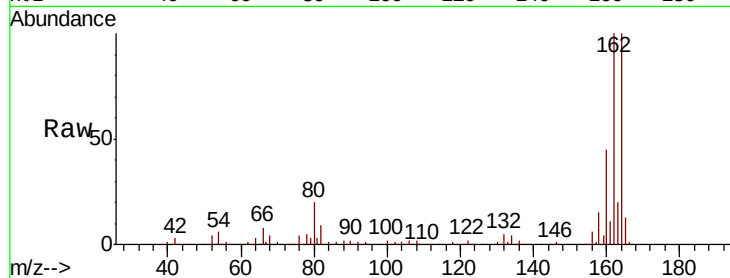




#57
 2,4-Dinitrotoluene
 Concen: 6.411 ng
 RT: 9.96 min Scan# 1339
 Delta R.T. -0.19 min
 Lab File: BF117911.D
 Acq: 21 Nov 2019 14:46

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-1

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.7	50.5#
89	1.5	57.3	85.9#
182	0.0	2.3	3.5#



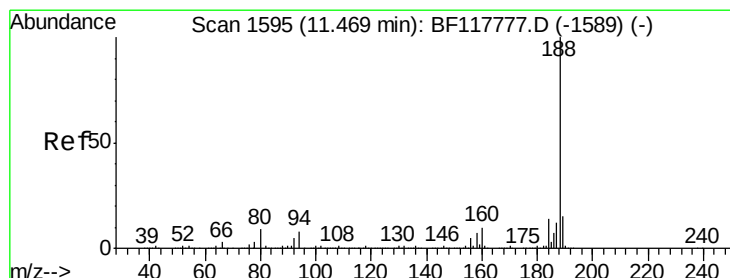
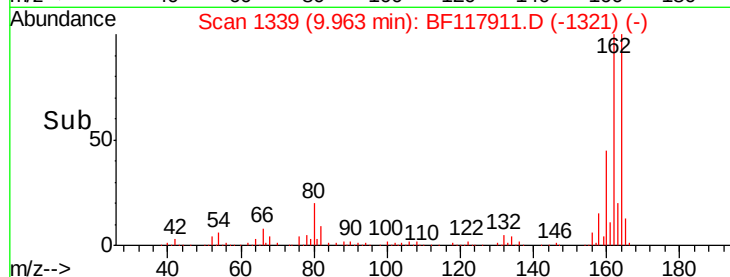
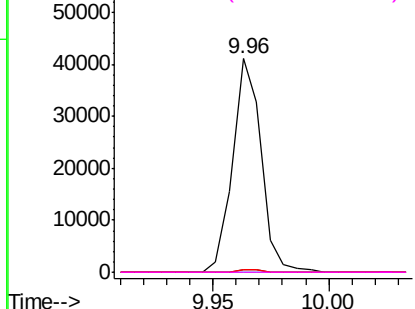
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

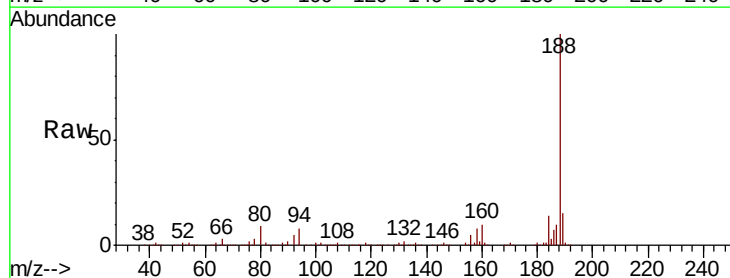
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: BF117911.D
 Acq: 21 Nov 2019 14:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.6	10.0
80	8.8	7.2	10.8

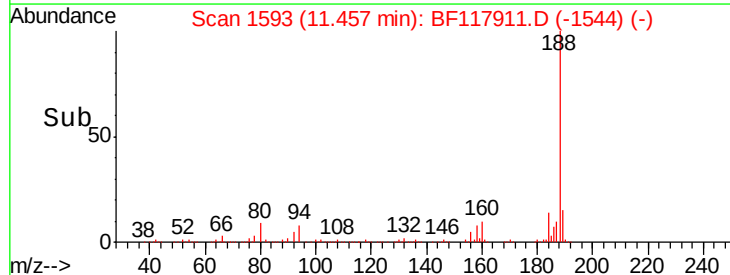
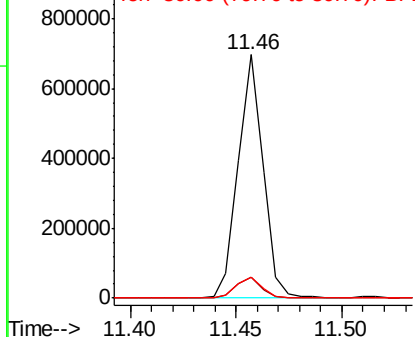


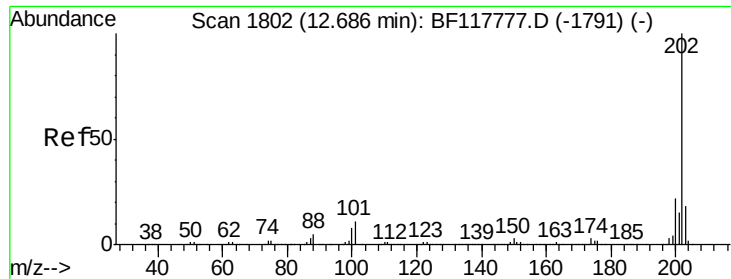
Abundance

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

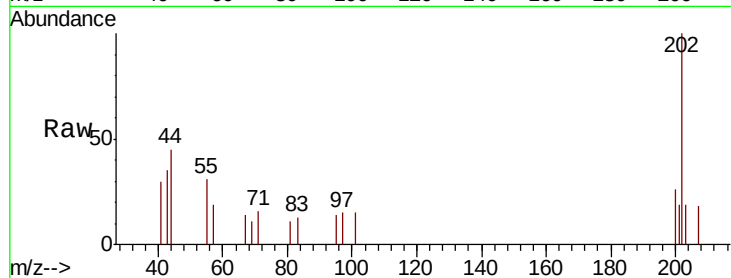




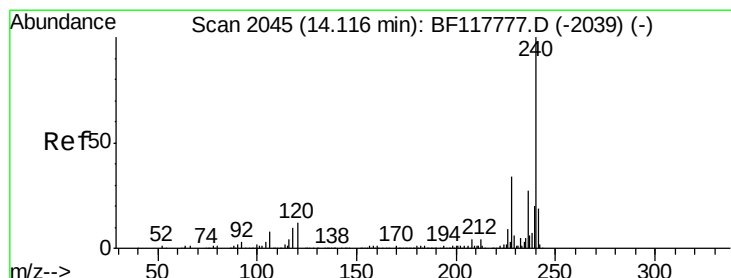
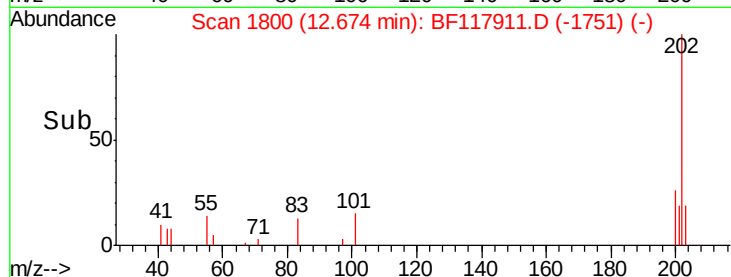
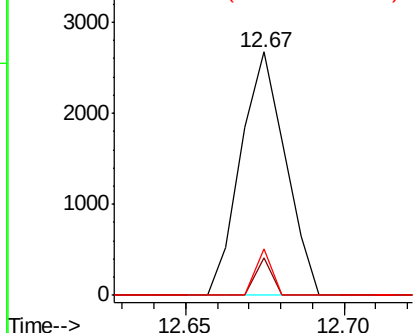
#75
Fluoranthene
Concen: Below Cal
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-1

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.5	0.0	31.1
203	19.3	0.0	38.2

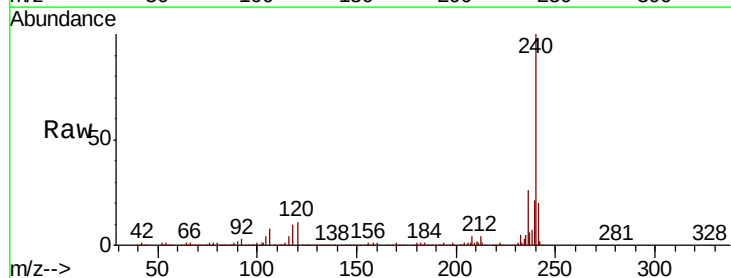


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

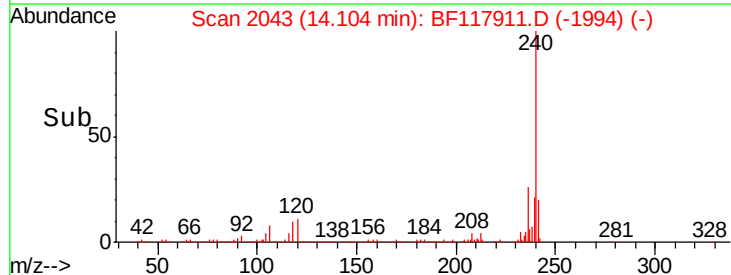
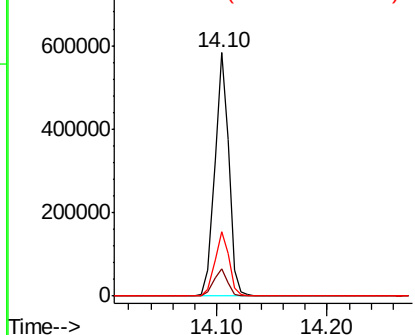


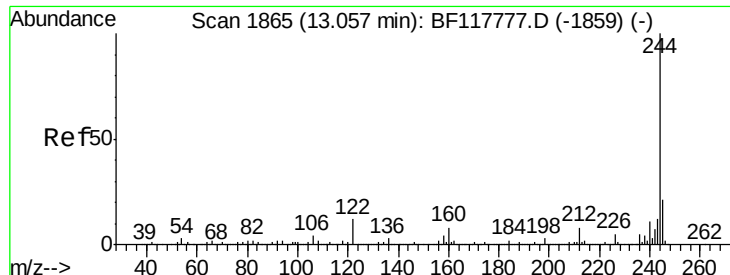
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117911.D
Acq: 21 Nov 2019 14:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.5	14.3
236	26.4	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: 60.276 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117911.D

Acq: 21 Nov 2019 14:46

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-1

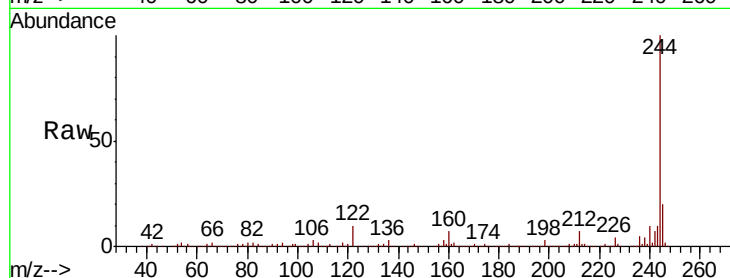
Tot Ion:244 Resp: 1670779

Ion Ratio Lower Upper

244 100

212 7.0 6.3 9.5

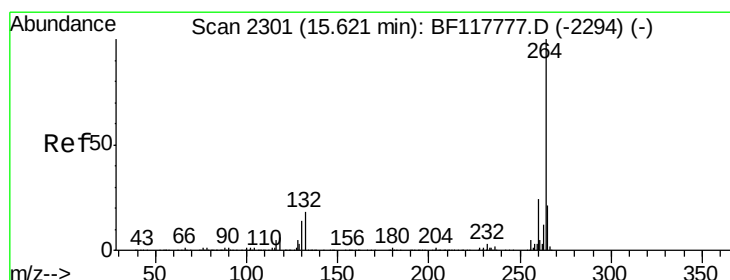
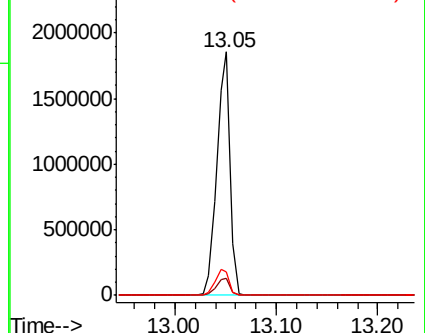
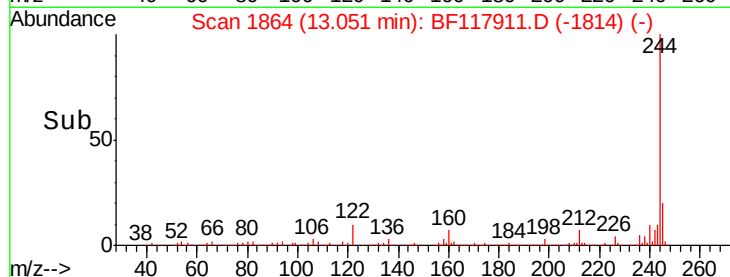
122 9.6 9.4 14.2



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: BF117911.D

Acq: 21 Nov 2019 14:46

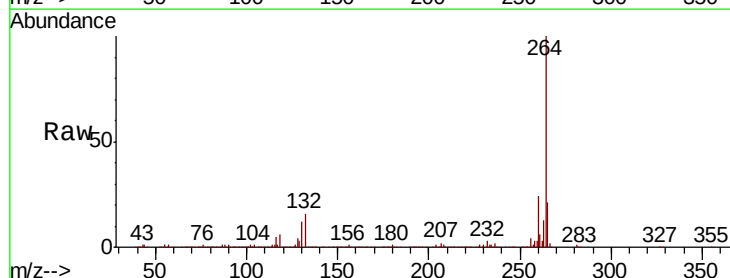
Tgt Ion:264 Resp: 510822

Ion Ratio Lower Upper

264 100

260 24.3 19.4 29.0

265 20.8 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

