

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
 Data File : BF117819.D
 Acq On : 15 Nov 2019 22:41
 Operator : JU
 Sample : K5861-21
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 18 01:43:06 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	209718	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	818589	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	419952	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	798835	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	580739	20.00	ng	-0.01
87) Perylene-d12	15.62	264	594571	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	1059246	89.40	ng	-0.01
7) Phenol-d6	6.53	99	1300710	91.02	ng	-0.01
23) Nitrobenzene-d5	7.47	82	770936	55.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.76	330	366778	82.50	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1480560	63.25	ng	0.00
79) Terphenyl-d14	13.05	244	1735930	54.63	ng	0.00

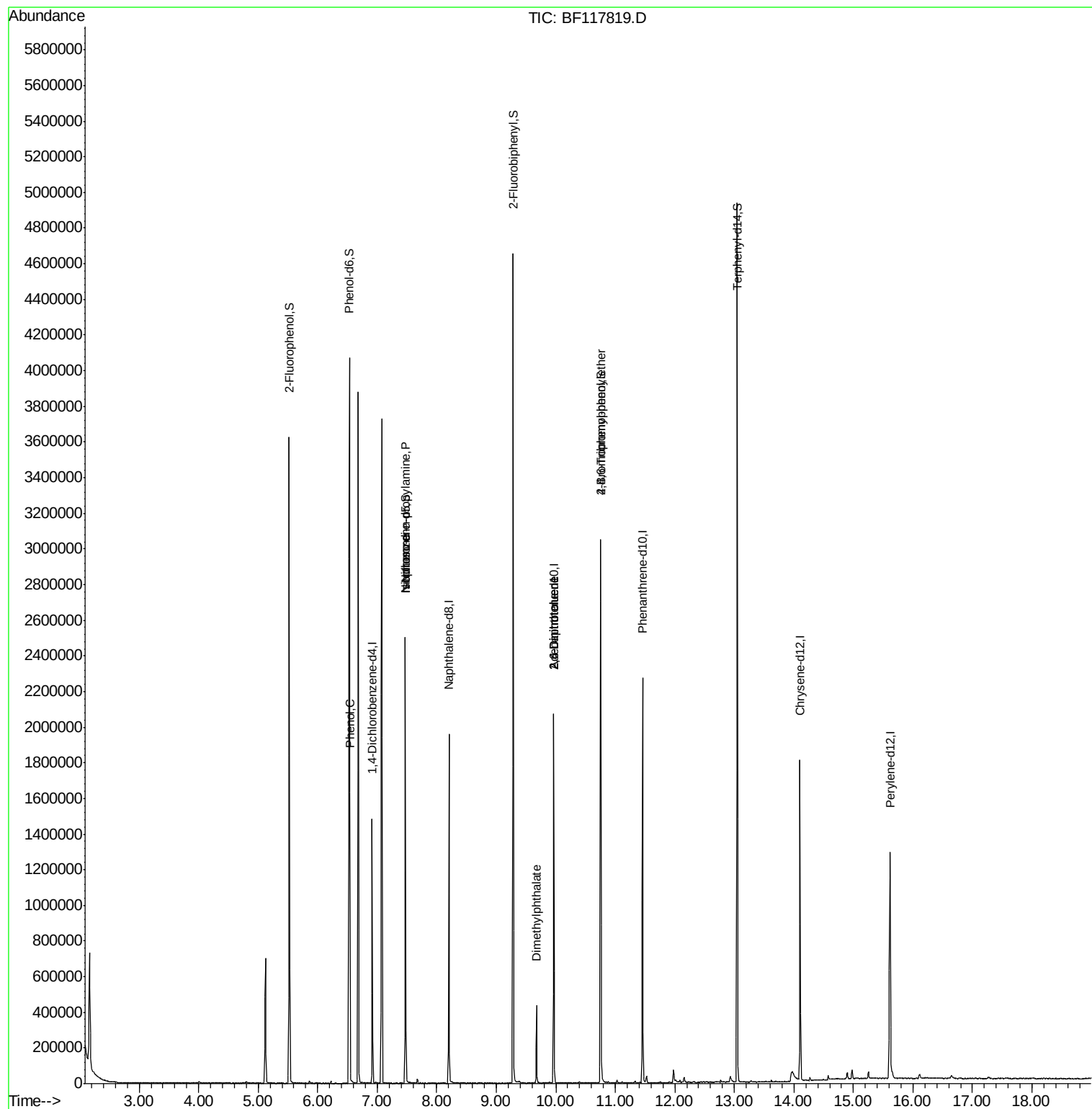
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	2508	Below Cal		# 1
10) Phenol	6.55	94	50499	3.401	ng	95
19) n-Nitroso-di-n-propylamine	7.47	70	103146	11.700	ng	# 78
25) Isophorone	7.47	82	771035	30.549	ng	# 62
50) Dimethylphthalate	9.67	163	156115	5.301	ng	98
51) 2,6-Dinitrotoluene	9.97	165	55485	8.621	ng	# 24
57) 2,4-Dinitrotoluene	9.97	165	55485	6.777	ng	# 25
67) 4-Bromophenyl-phenylether	10.76	248	22909	2.658	ng	# 1
75) Fluoranthene	12.67	202	742	Below Cal		63

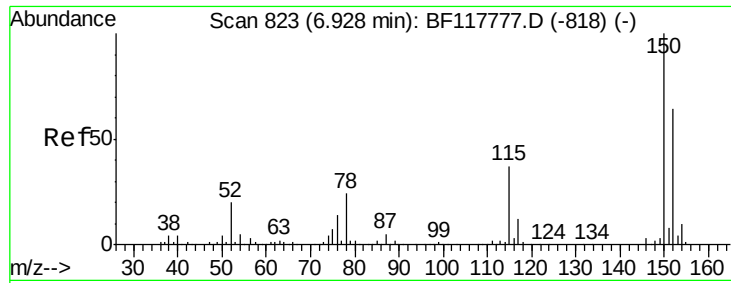
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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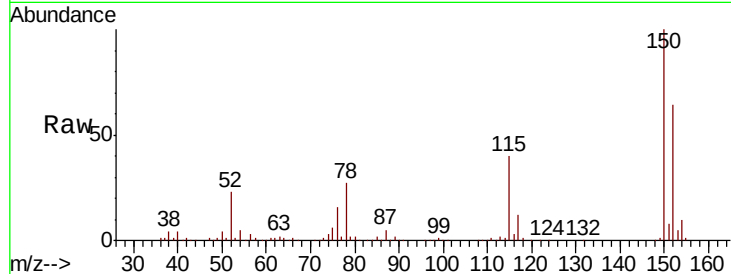


#1

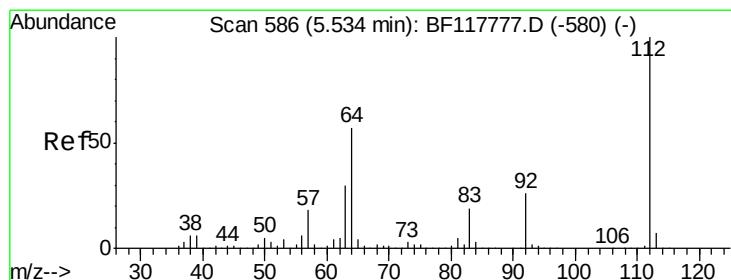
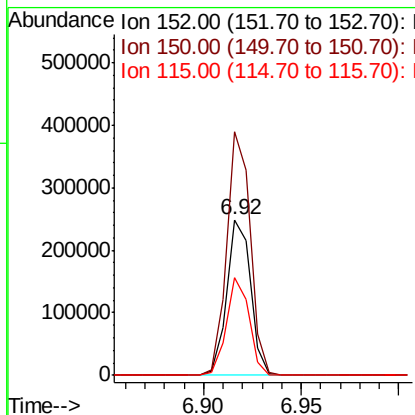
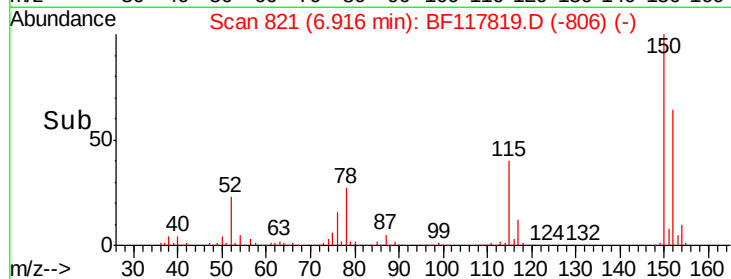
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 209718
Ion Ratio Lower Upper
152 100
150 156.8 125.3 187.9
115 62.9 47.0 70.4



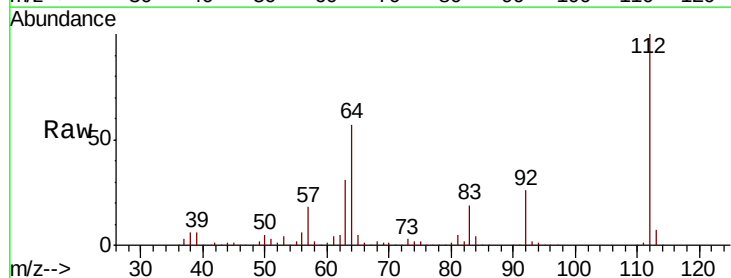
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



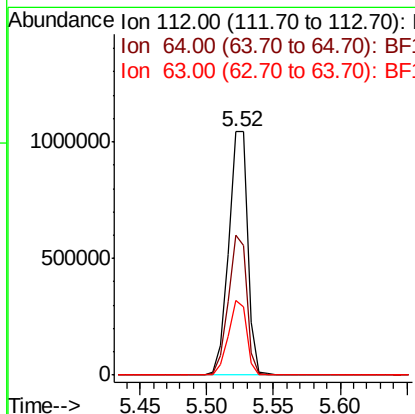
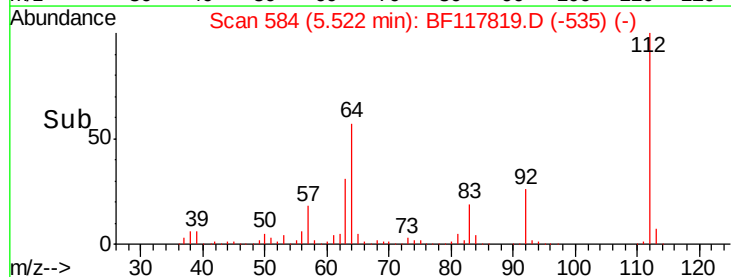
#5

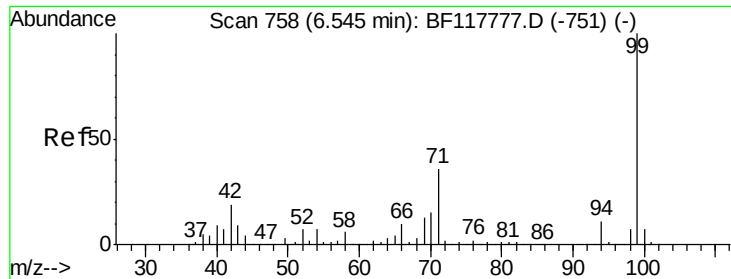
2-Fluorophenol
Concen: 89.405 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.01 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

Tgt Ion:112 Resp: 1059246
Ion Ratio Lower Upper
112 100
64 57.4 45.6 68.4
63 30.6 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: 91.020 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

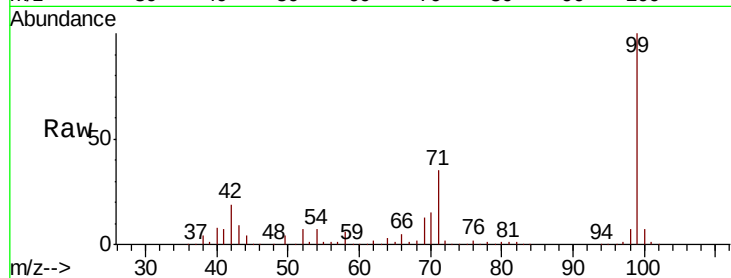
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1300710

Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.9	22.3
71	35.0	28.6	43.0

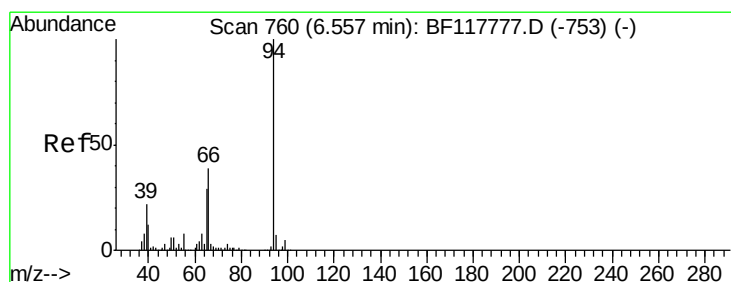
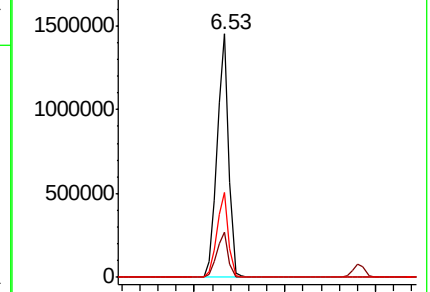
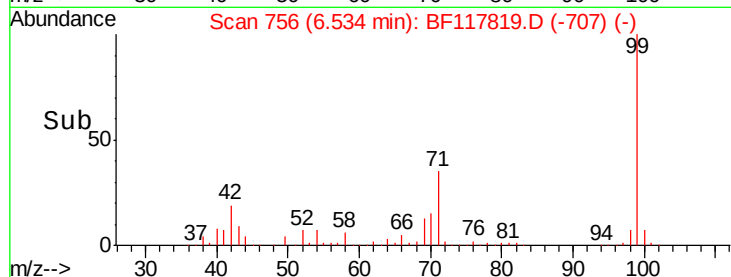


Abundance

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



#10

Phenol

Concen: 3.401 ng

RT: 6.55 min Scan# 758

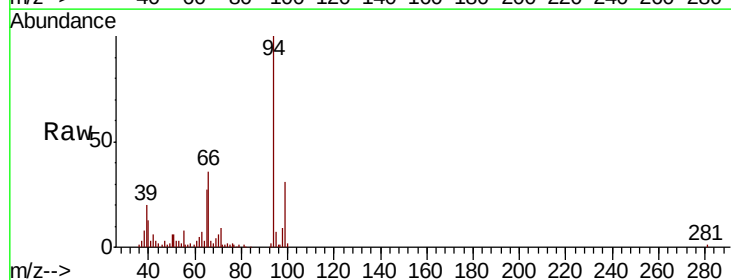
Delta R.T. -0.01 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

Tgt Ion: 94 Resp: 50499

Ion	Ratio	Lower	Upper
94	100		
65	26.8	8.9	48.9
66	35.6	18.7	58.7

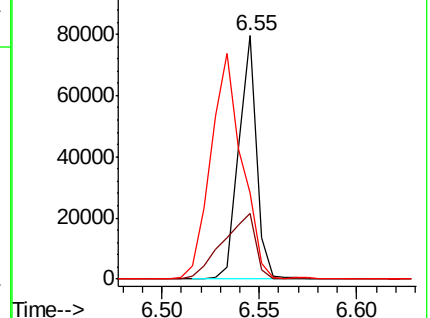
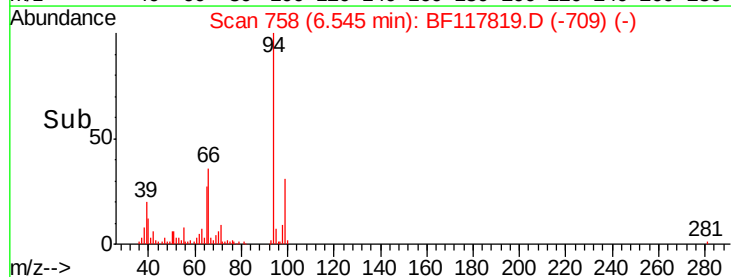


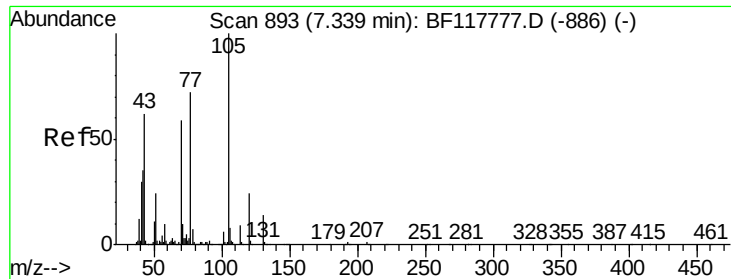
Abundance

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

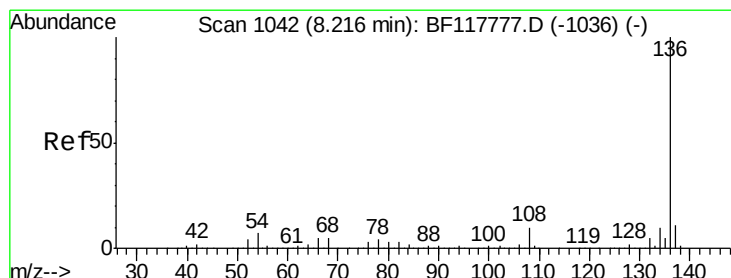
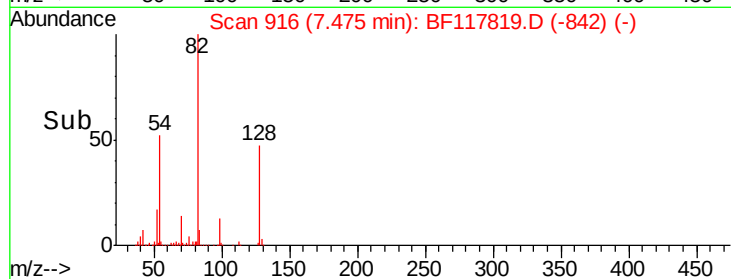
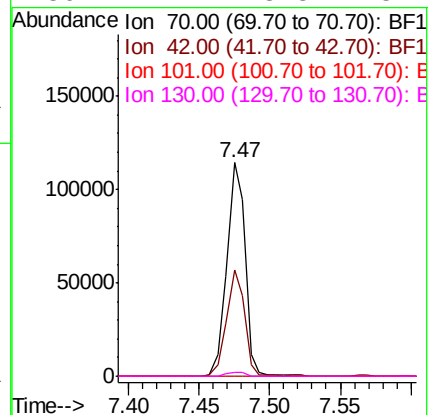
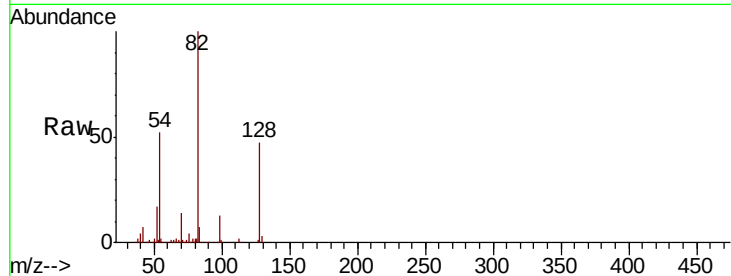




#19
n-Nitroso-di-n-propylamine
Concen: 11.700 ng
RT: 7.47 min Scan# 916
Delta R.T. 0.14 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

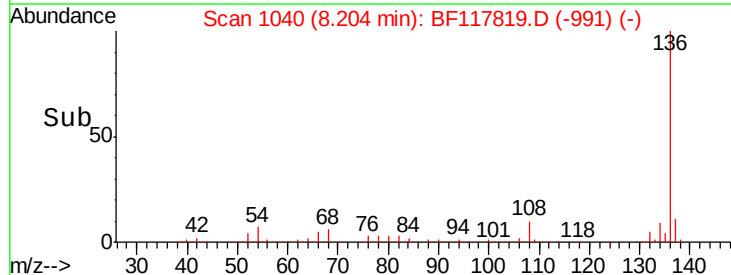
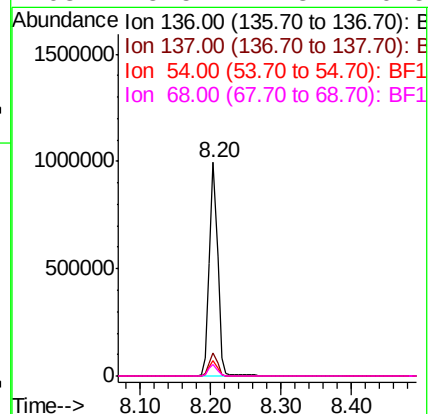
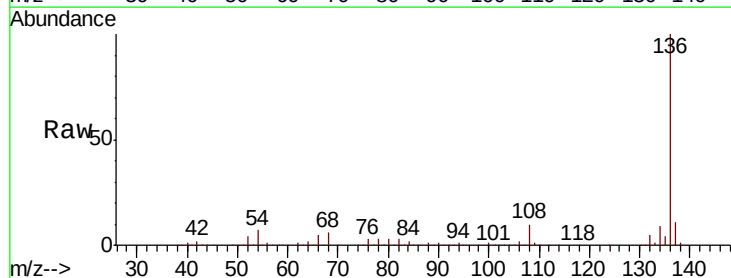
Instrument :
BNA_F
ClientSampleId :

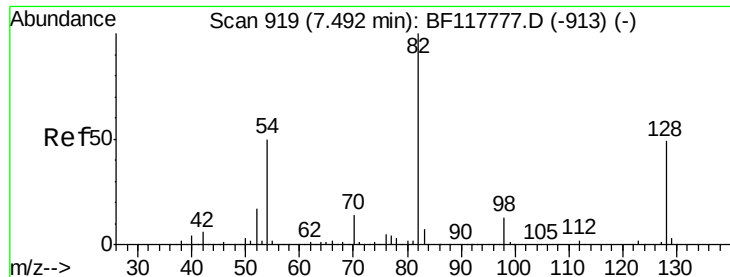
Tot Ion	Ratio	Lower	Upper
70	100		
42	49.6	47.4	71.2
101	0.0	8.4	12.6#
130	2.1	18.8	28.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.2	5.4	8.2
68	5.5	4.3	6.5

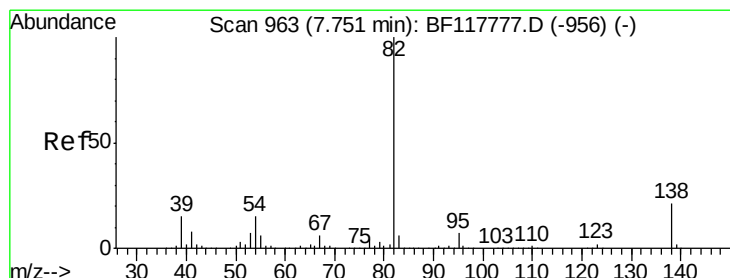
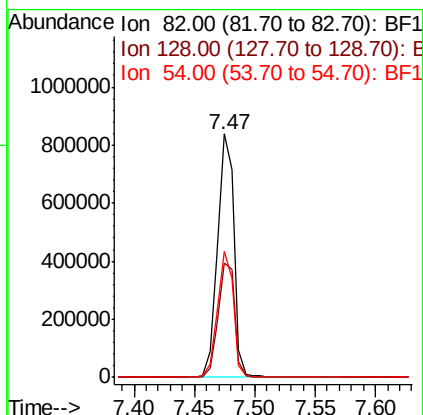
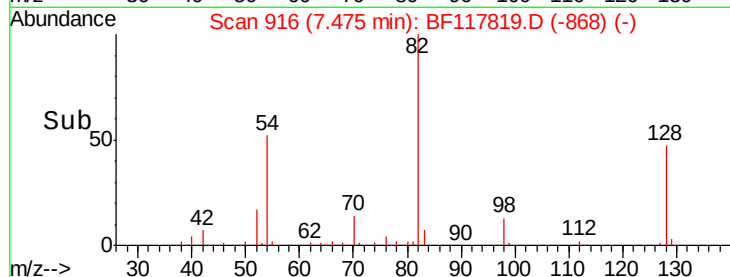
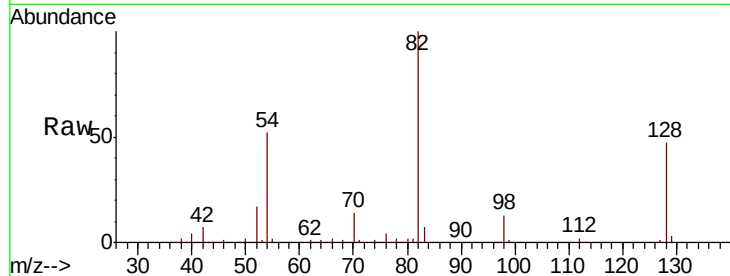




#23
Nitrobenzene-d5
Concen: 55.985 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

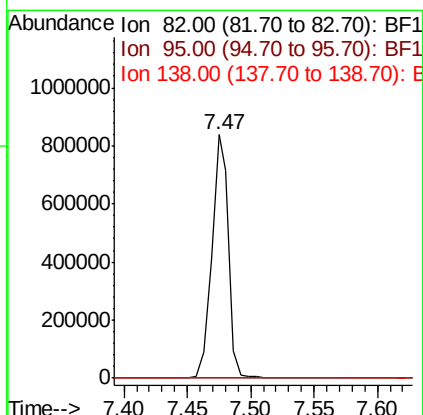
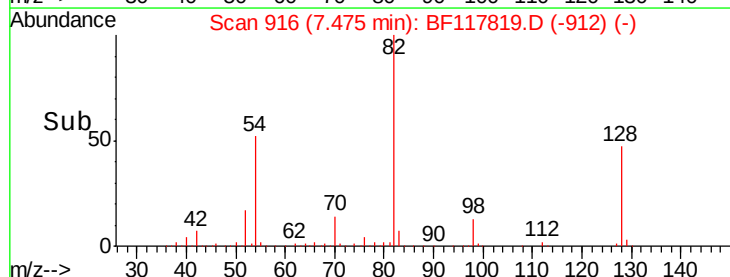
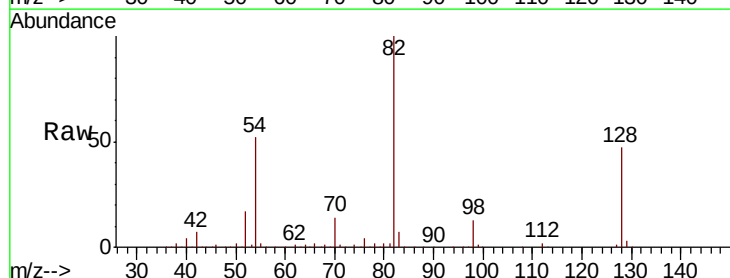
Instrument :
BNA_F
ClientSampled :

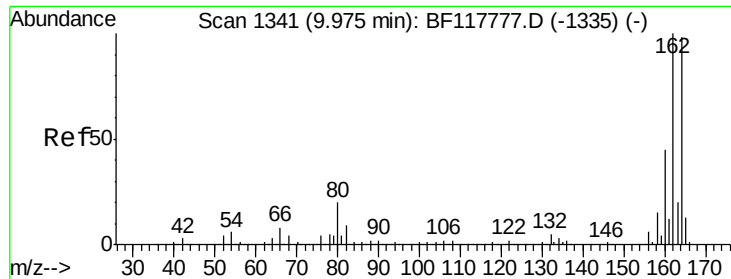
Tot Ion	Ratio	Lower	Upper
82	100		
128	46.9	38.9	58.3
54	51.8	39.8	59.6



#25
Isophorone
Concen: 30.549 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.28 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.8#
138	0.0	16.5	24.7#

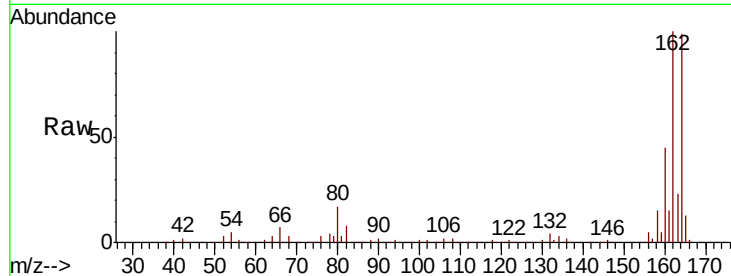




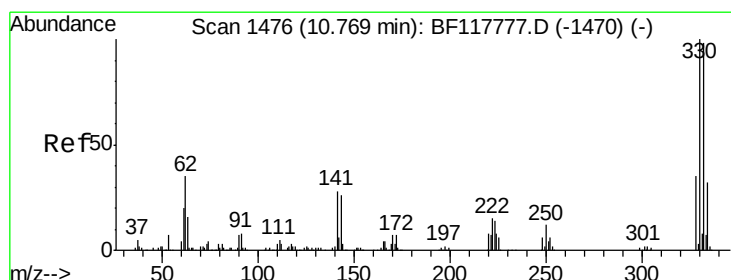
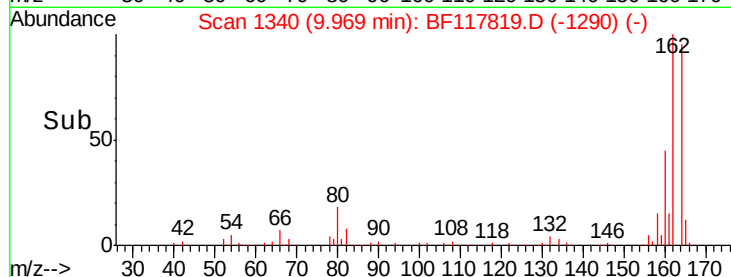
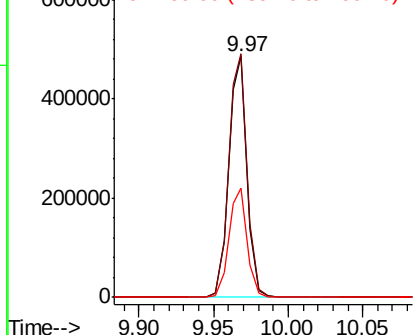
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 419952
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 45.2 36.6 55.0

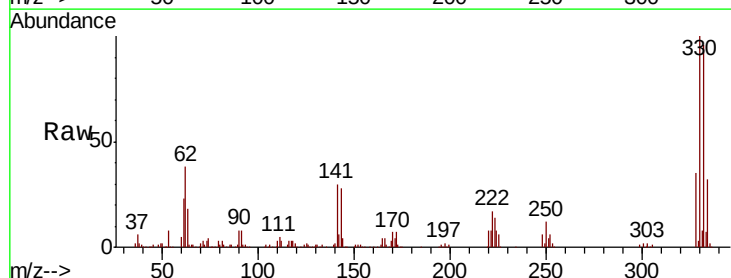


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

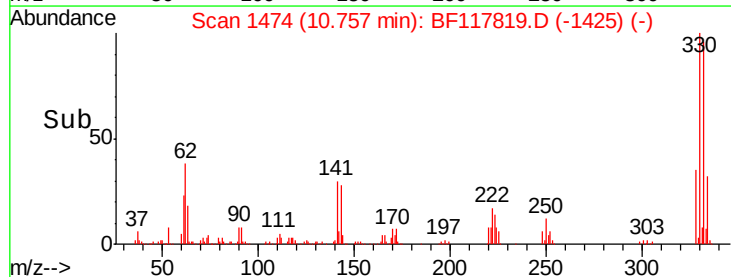
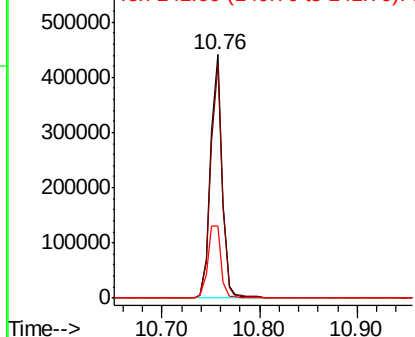


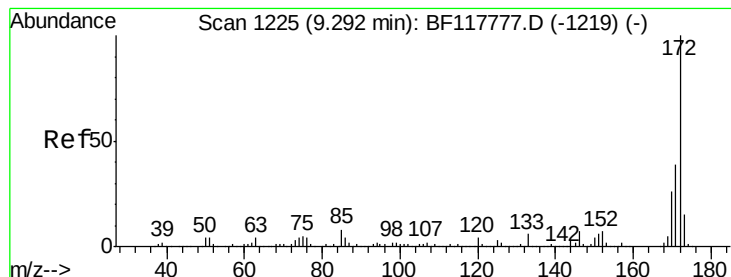
#42
2,4,6-Tribromophenol
Concen: 82.496 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117819.D
Acq: 15 Nov 2019 22:41

Tgt Ion:330 Resp: 366778
Ion Ratio Lower Upper
330 100
332 95.3 76.7 115.1
141 33.5 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: 63.250 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

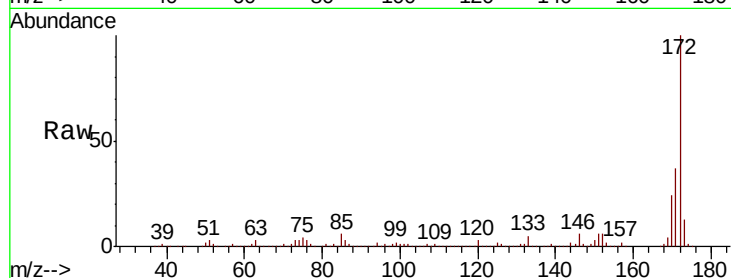
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1480560

Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.9	46.3
170	24.3	21.0	31.4

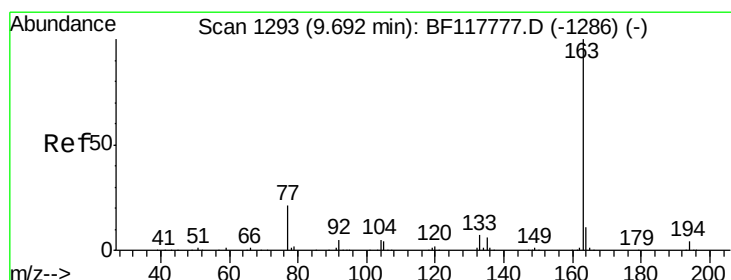
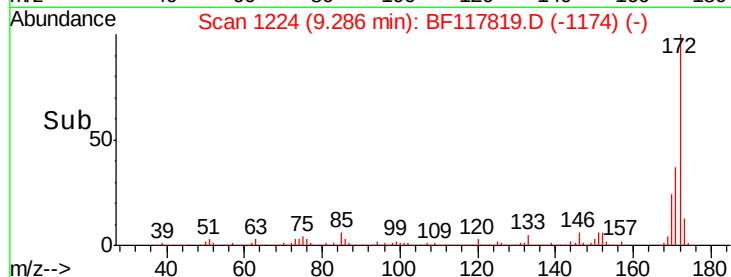
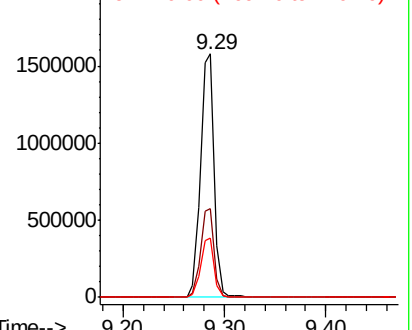


Abundance

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: 5.301 ng

RT: 9.67 min Scan# 1290

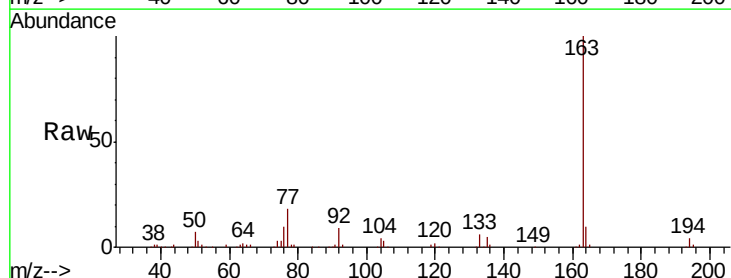
Delta R.T. -0.02 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

Tgt Ion:163 Resp: 156115

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.2	8.7	13.1

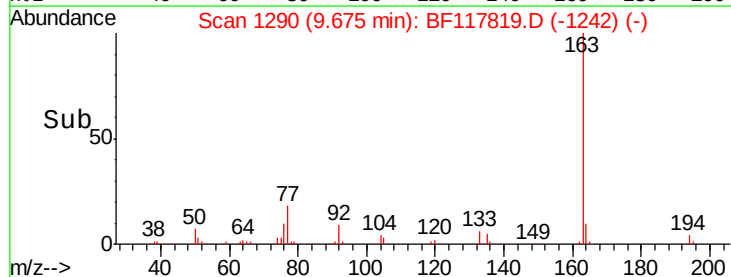
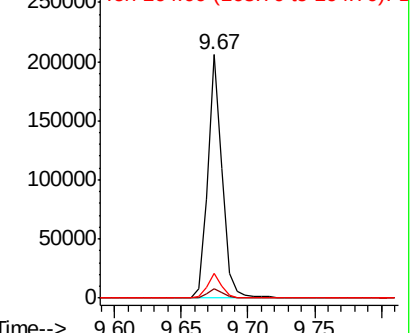


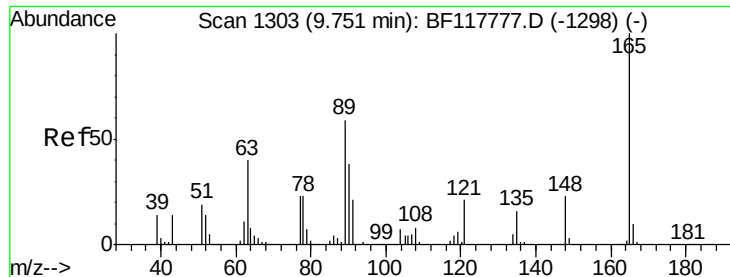
Abundance

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: 8.621 ng

RT: 9.97 min Scan# 1340

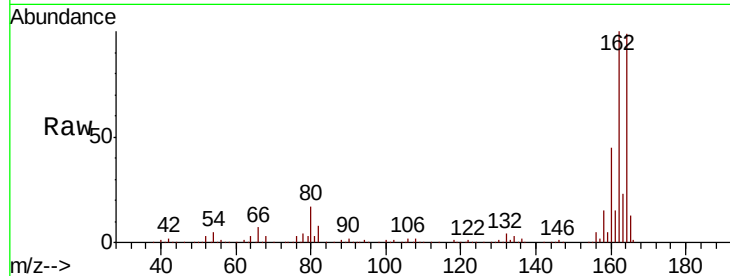
Delta R.T. 0.22 min

Lab File: BF117819.D

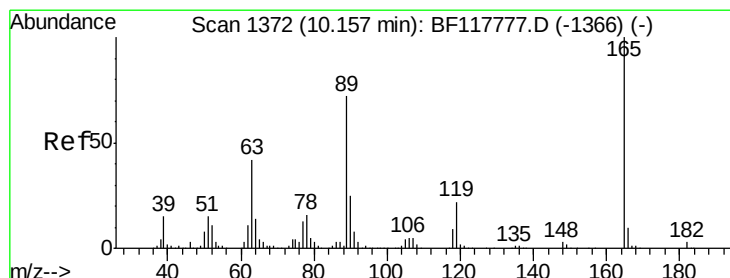
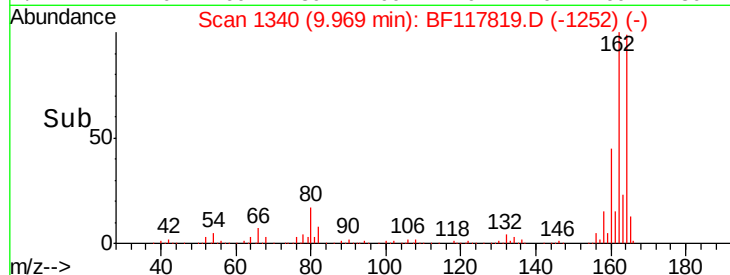
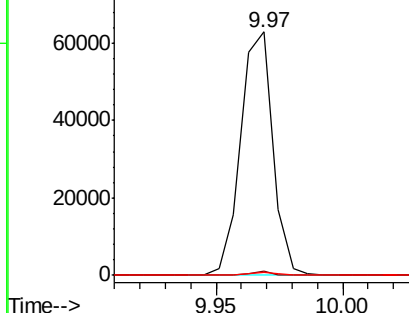
Acq: 15 Nov 2019 22:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	55485
Ion Ratio	Lower	Upper
165	100	
63	1.8	46.0 69.0#
89	1.2	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: 6.777 ng

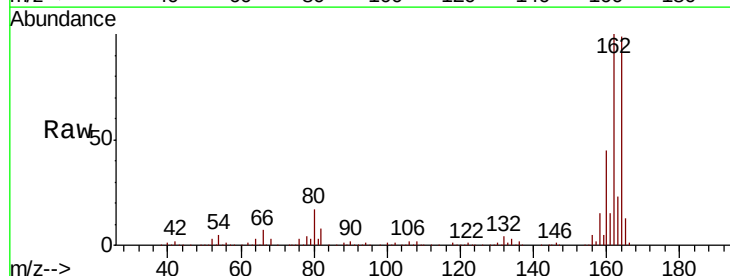
RT: 9.97 min Scan# 1340

Delta R.T. -0.19 min

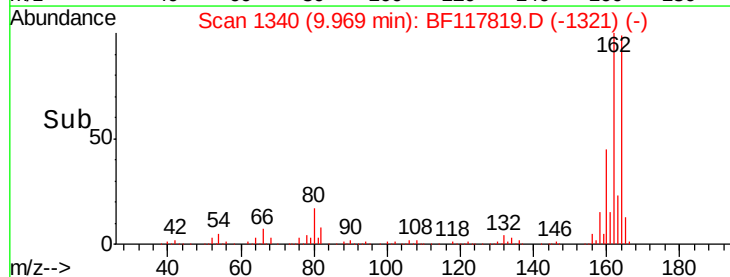
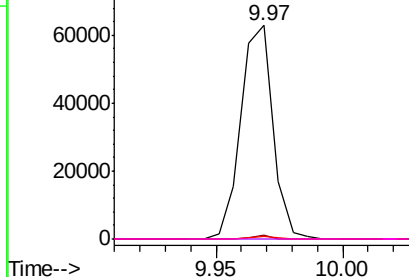
Lab File: BF117819.D

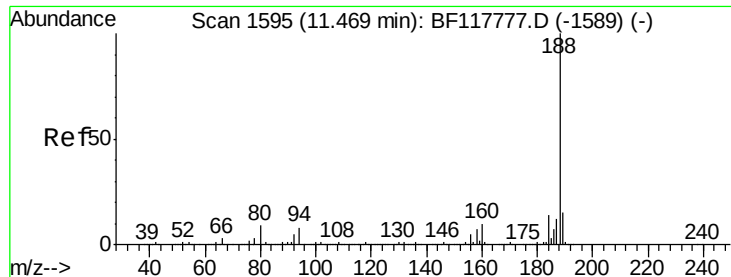
Acq: 15 Nov 2019 22:41

Tgt Ion:165	Resp:	55485
Ion Ratio	Lower	Upper
165	100	
63	1.8	33.7 50.5#
89	1.2	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: BF117819.D

Acq: 15 Nov 2019 22:41

Instrument :

BNA_F

ClientSampleId :

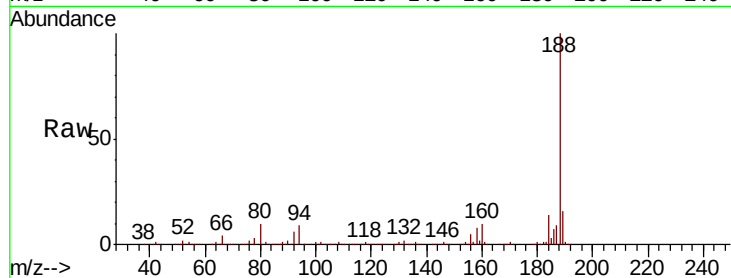
Tot Ion:188 Resp: 798835

Ion Ratio Lower Upper

188 100

94 9.2 6.6 10.0

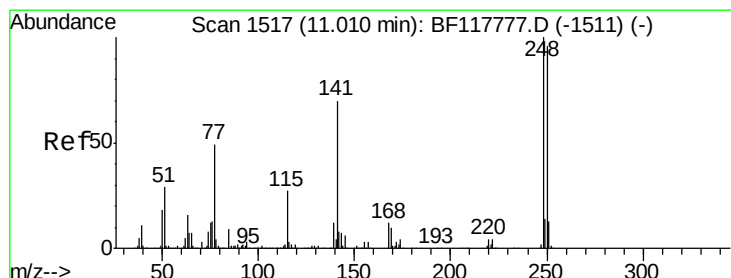
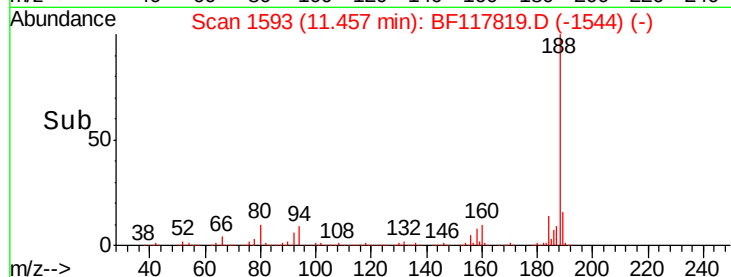
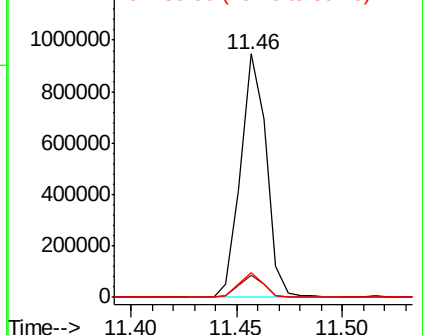
80 10.0 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 2.658 ng

RT: 10.76 min Scan# 1474

Delta R.T. -0.25 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

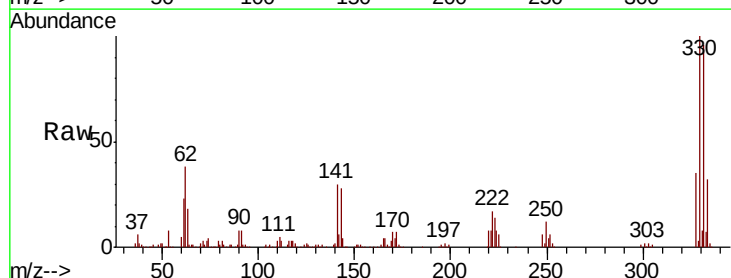
Tgt Ion:248 Resp: 22909

Ion Ratio Lower Upper

248 100

250 206.6 76.6 115.0#

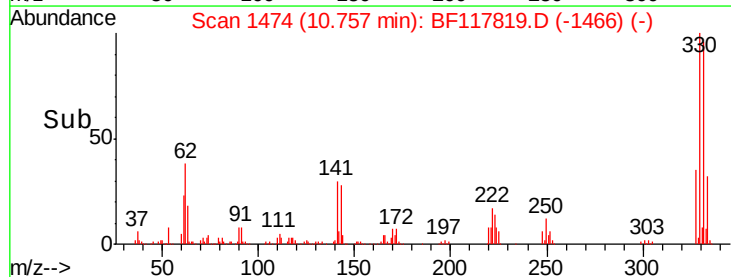
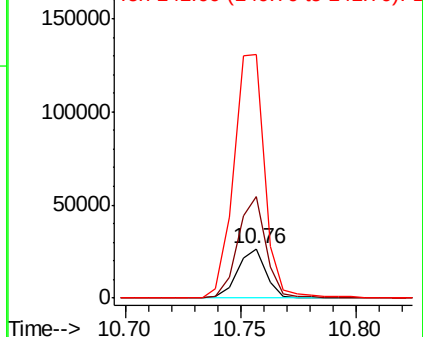
141 494.0 55.9 83.9#

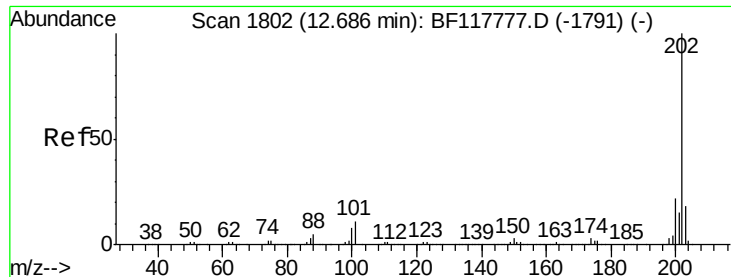


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: Below Cal

RT: 12.67 min Scan# 1800

Delta R.T. -0.01 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

Instrument :

BNA_F

ClientSampled :

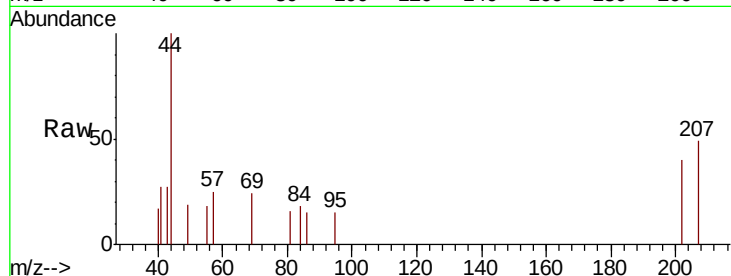
Tot Ion:202 Resp: 742

Ion Ratio Lower Upper

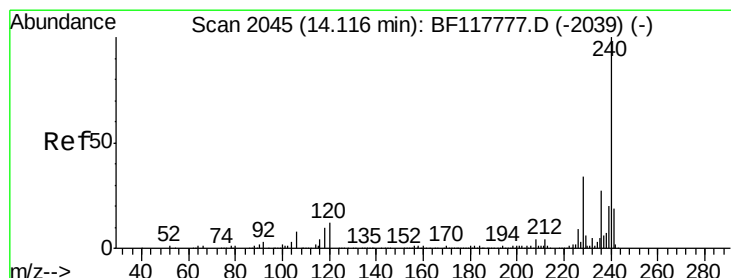
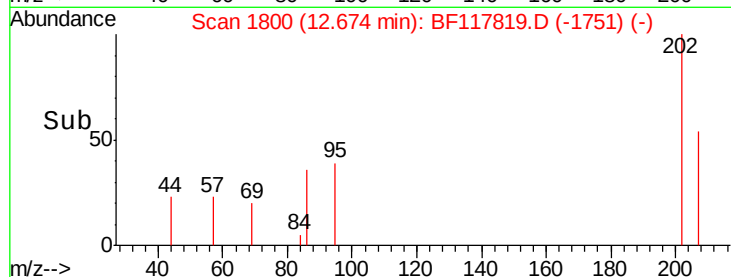
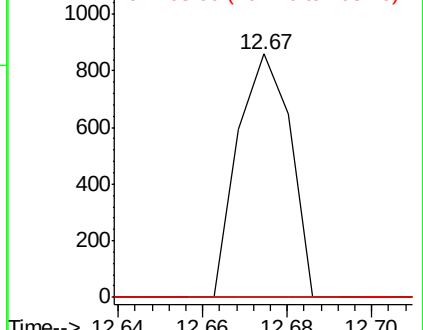
202 100

101 0.0 0.0 31.1

203 0.0 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: BF117819.D

Acq: 15 Nov 2019 22:41

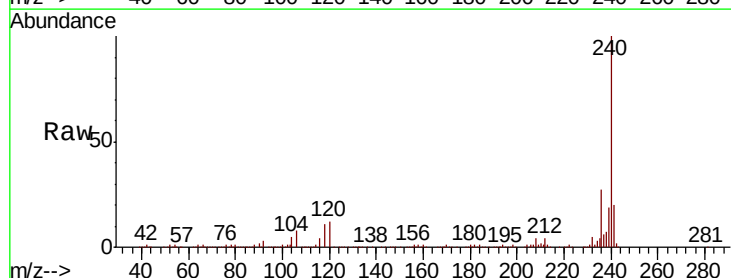
Tgt Ion:240 Resp: 580739

Ion Ratio Lower Upper

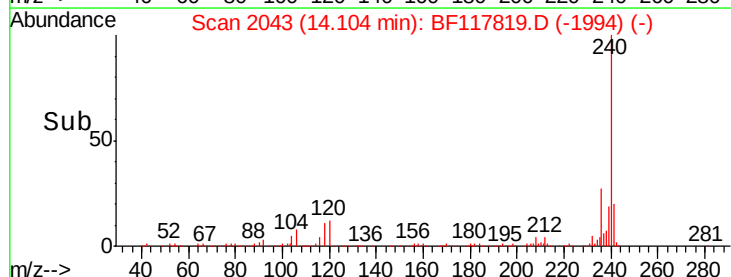
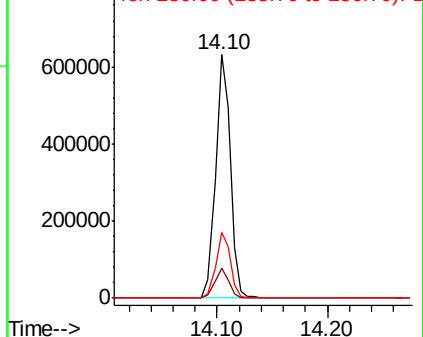
240 100

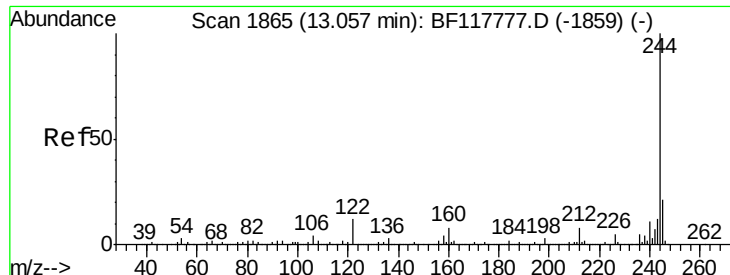
120 12.4 9.5 14.3

236 27.0 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: 54.630 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF117819.D

Acq: 15 Nov 2019 22:41

Instrument :

BNA_F

ClientSampled :

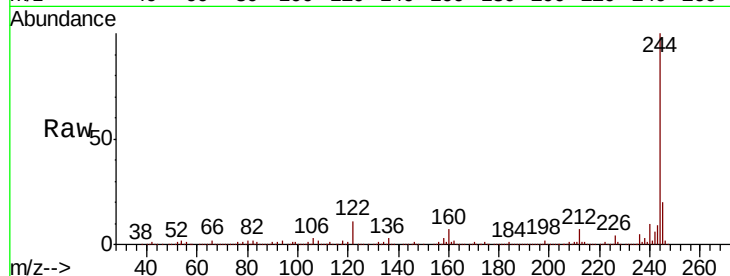
Tot Ion:244 Resp: 1735930

Ion Ratio Lower Upper

244 100

212 6.8 6.3 9.5

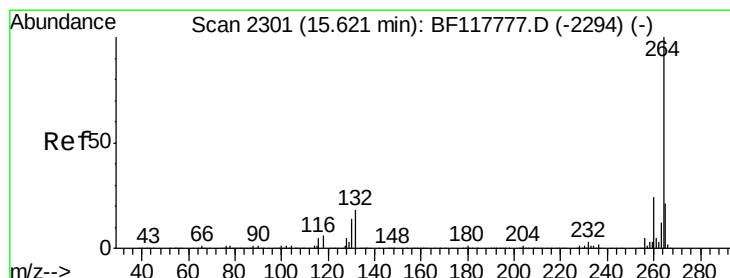
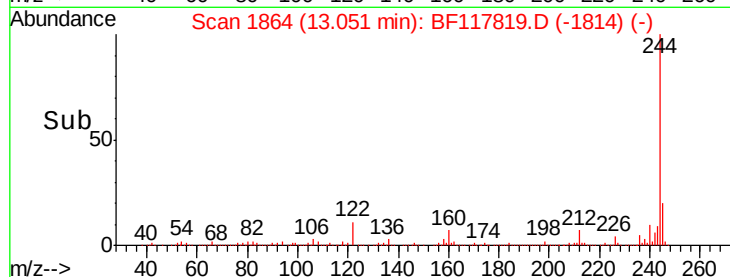
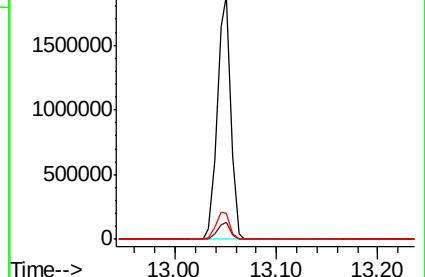
122 10.5 9.4 14.2



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: BF117819.D

Acq: 15 Nov 2019 22:41

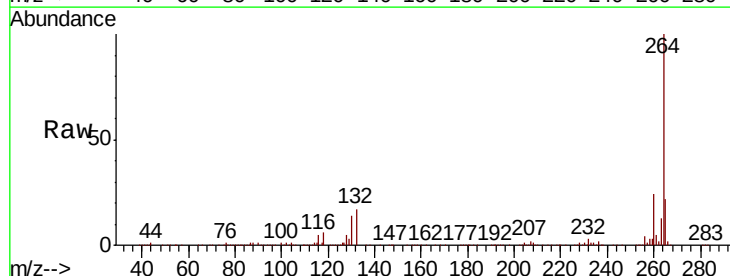
Tgt Ion:264 Resp: 594571

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 21.5 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

