

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117871.D
 Acq On : 19 Nov 2019 20:36
 Operator : JU
 Sample : K5904-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 20 00:32:28 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	204802	20.00	ng	-0.01
21) Naphthalene-d8	8.20	136	819870	20.00	ng	-0.01
39) Acenaphthene-d10	9.96	164	430307	20.00	ng	-0.01
64) Phenanthrene-d10	11.46	188	760841	20.00	ng	-0.01
76) Chrysene-d12	14.10	240	456056	20.00	ng	-0.01
87) Perylene-d12	15.61	264	486715	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1446287	125.00	ng	0.00
7) Phenol-d6	6.54	99	2025407	145.13	ng	0.00
23) Nitrobenzene-d5	7.48	82	1252677	90.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	532609	116.91	ng	-0.01
45) 2-Fluorobiphenyl	9.28	172	2210951	92.18	ng	-0.01
79) Terphenyl-d14	13.05	244	2126444	85.22	ng	0.00

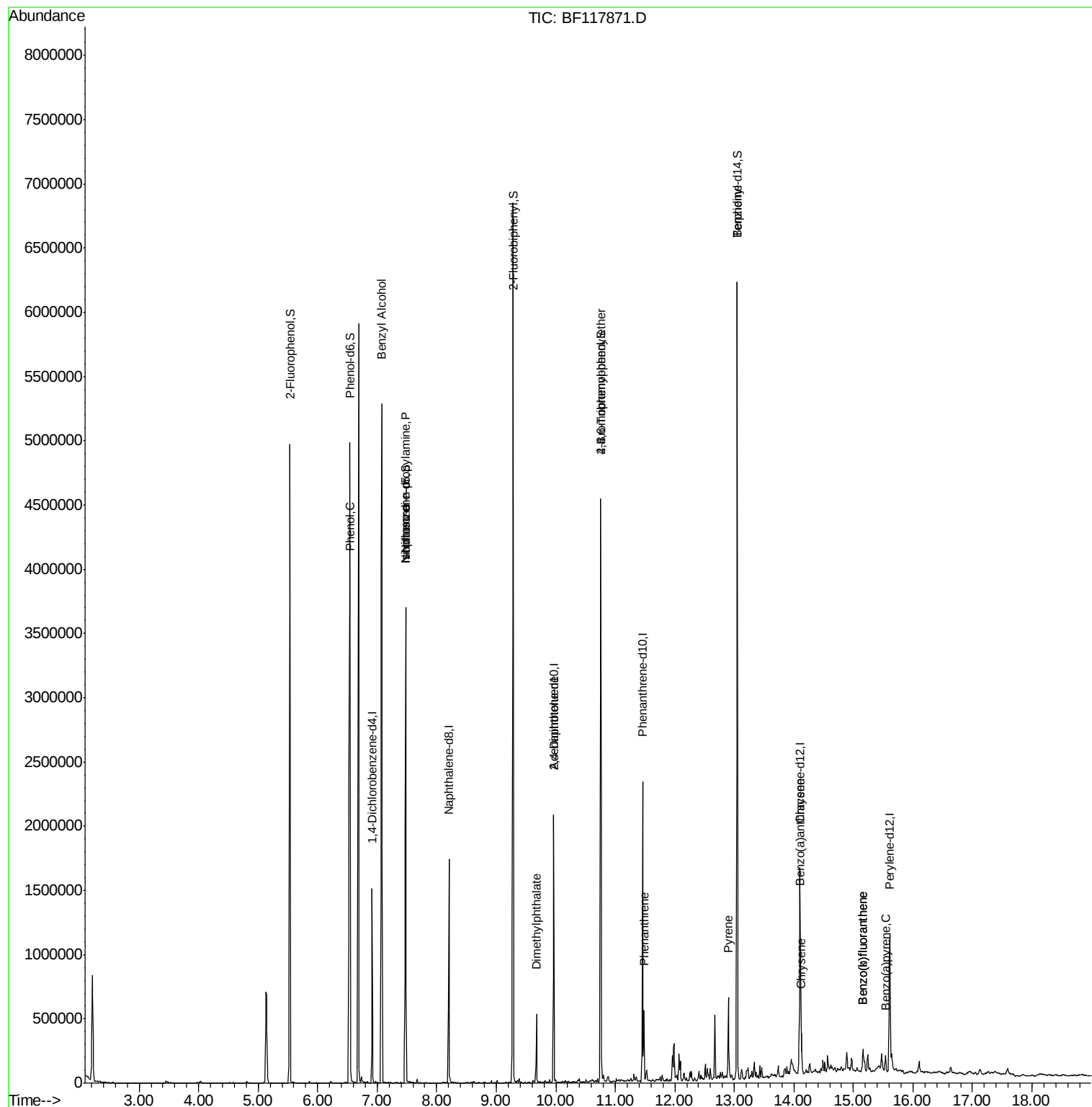
Target Compounds				Qvalue		
9) Benzaldehyde	6.54	77	4192	Below Cal	#	1
10) Phenol	6.55	94	92774	6.397	ng	98
15) Benzyl Alcohol	7.07	79	22284	2.068	ng	# 43
19) n-Nitroso-di-n-propylamine	7.48	70	174083	20.220	ng	# 76
25) Isophorone	7.48	82	1245206	49.260	ng	# 62
50) Dimethylphthalate	9.67	163	218436	7.239	ng	97
57) 2,4-Dinitrotoluene	9.96	165	55745	6.645	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	35044	4.269	ng	# 1
71) Phenanthrene	11.48	178	189538	4.955	ng	95
75) Fluoranthene	12.67	202	189788	Below Cal		96
77) Benzidine	13.05	184	30214	2.023	ng	# 93
78) Pylene	12.90	202	260156	7.059	ng	97
81) Benzo(a)anthracene	14.09	228	104601	3.471	ng	97
83) Chrysene	14.13	228	110331	3.778	ng	97
88) Benzo(b)fluoranthene	15.16	252	119779	3.788	ng	99
89) Benzo(k)fluoranthene	15.16	252	119779	4.020	ng	99
90) Benzo(a)pyrene	15.54	252	62540	2.249	ng	99

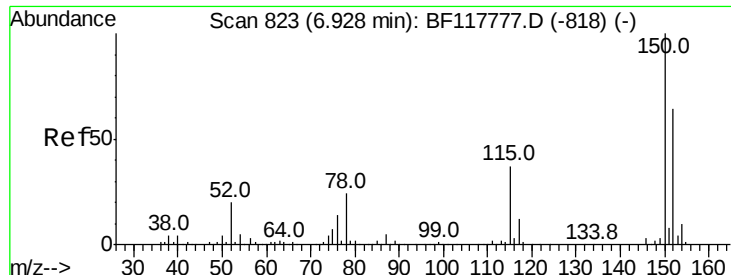
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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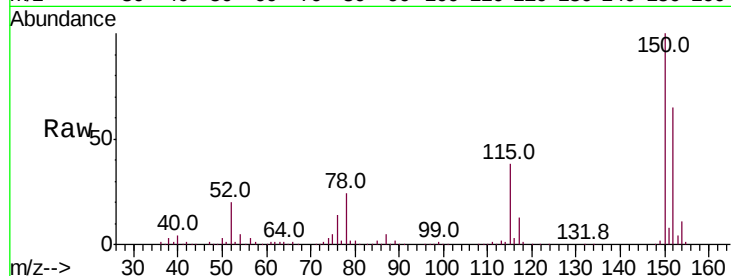


#1

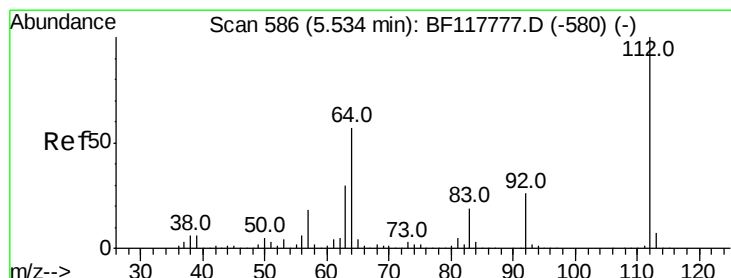
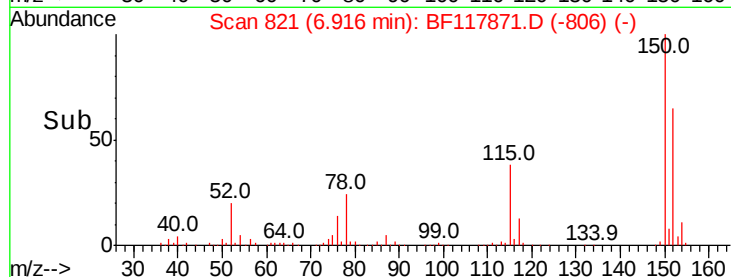
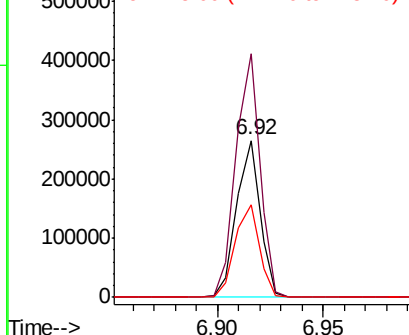
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 204802
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 58.8 47.0 70.4



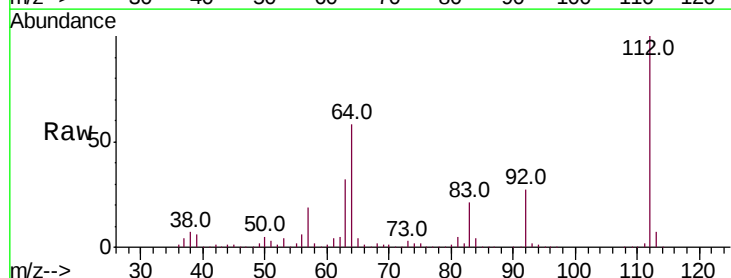
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



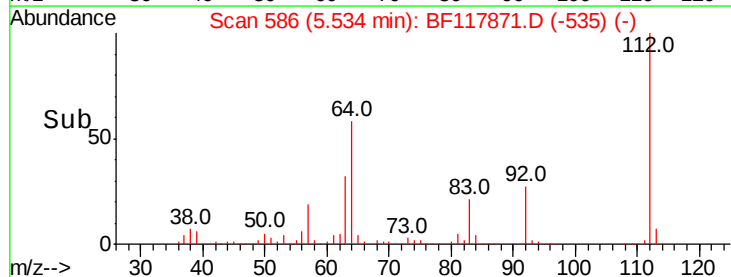
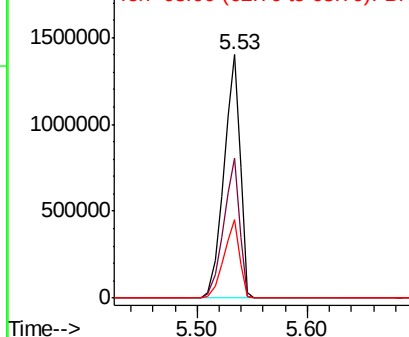
#5

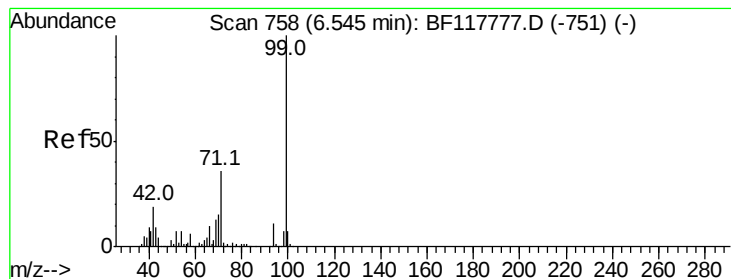
2-Fluorophenol
Concen: 125.003 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion:112 Resp: 1446287
Ion Ratio Lower Upper
112 100
64 57.6 45.6 68.4
63 32.0 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: 145.135 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Instrument :

BNA_F

ClientSampleId :

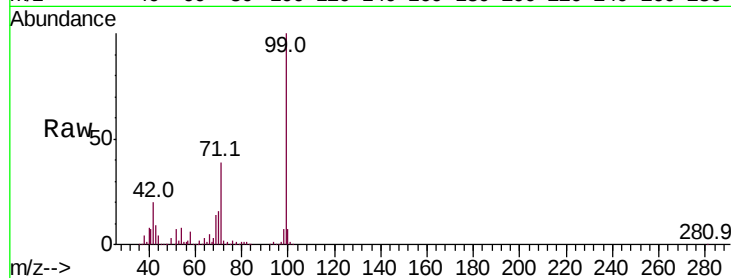
Tot Ion: 99 Resp: 2025407

Ion Ratio Lower Upper

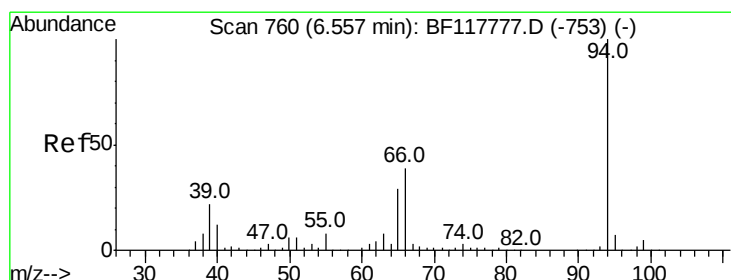
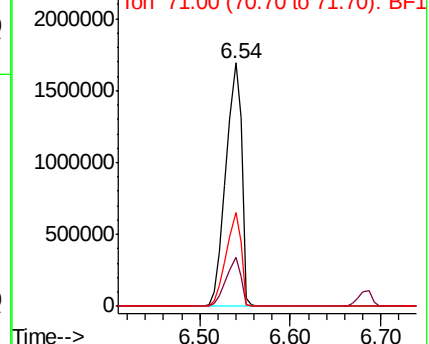
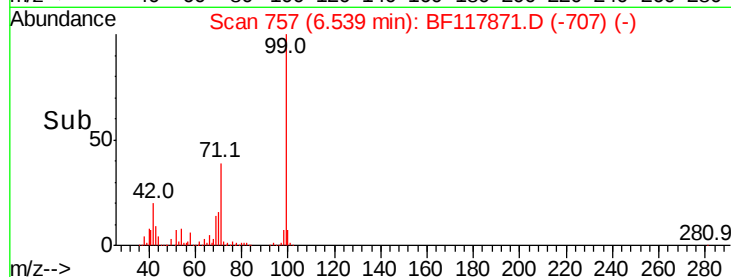
99 100

42 20.0 14.9 22.3

71 38.6 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: 6.397 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

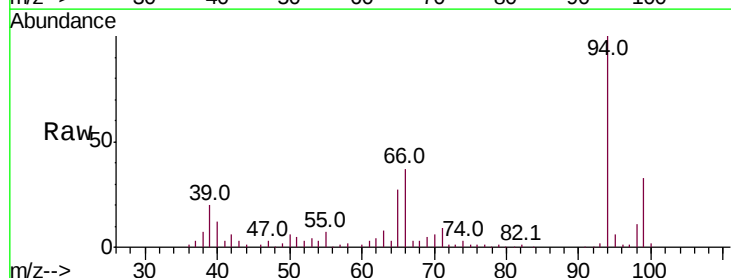
Tgt Ion: 94 Resp: 92774

Ion Ratio Lower Upper

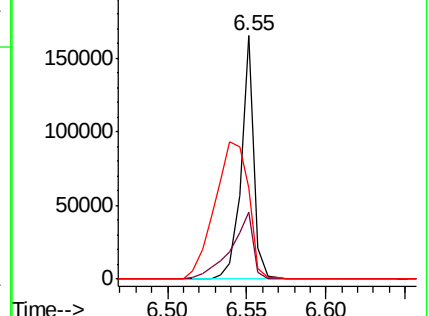
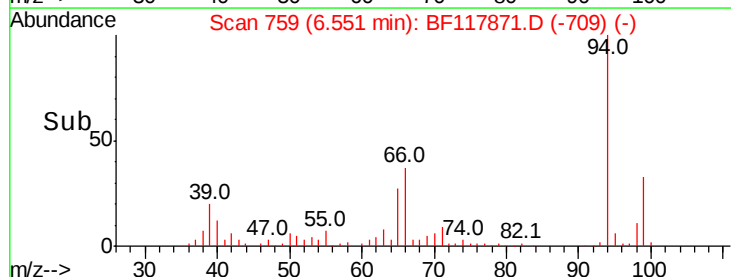
94 100

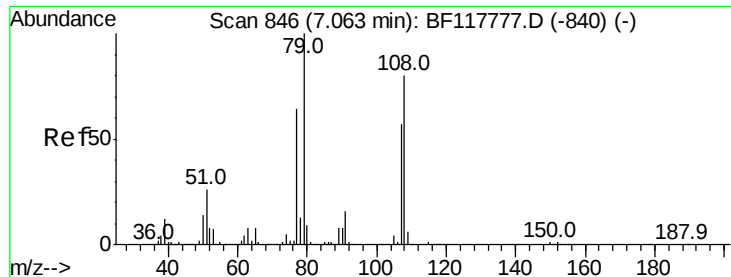
65 27.3 8.9 48.9

66 37.5 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





#15

Benzyl Alcohol

Concen: 2.068 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Instrument :

BNA_F

ClientSampleId :

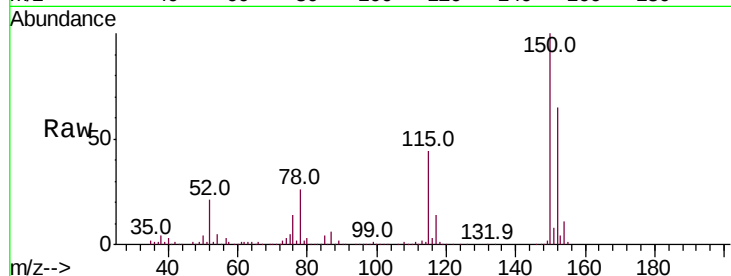
Tot Ion: 79 Resp: 22284

Ion Ratio Lower Upper

79 100

108 31.5 64.1 96.1#

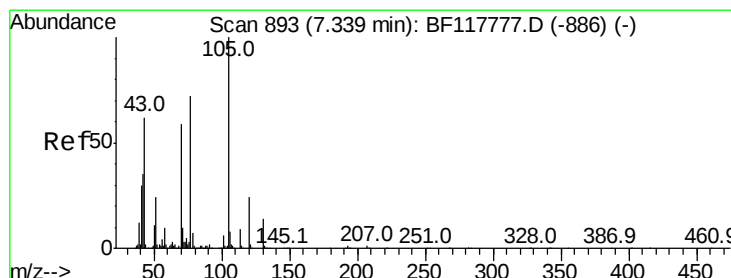
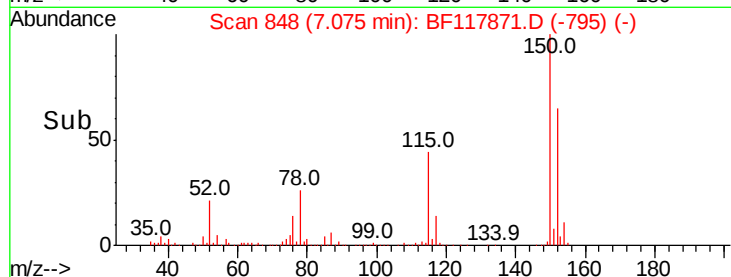
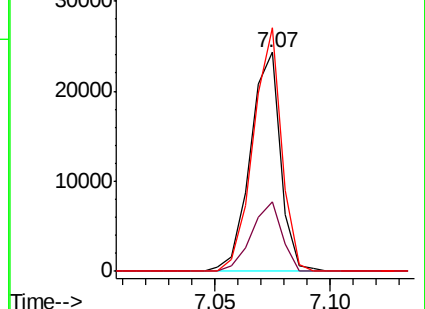
77 111.0 51.3 76.9#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 20.220 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Tgt Ion: 70 Resp: 174083

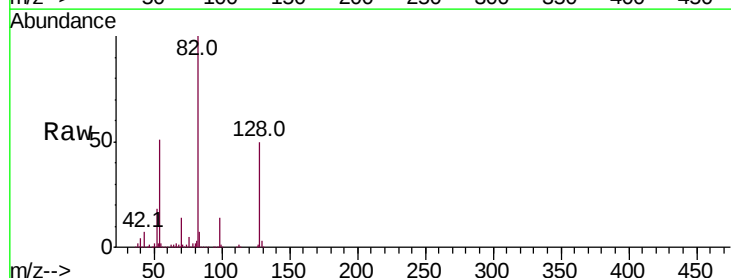
Ion Ratio Lower Upper

70 100

42 47.4 47.4 71.2#

101 0.0 8.4 12.6#

130 2.3 18.8 28.2#

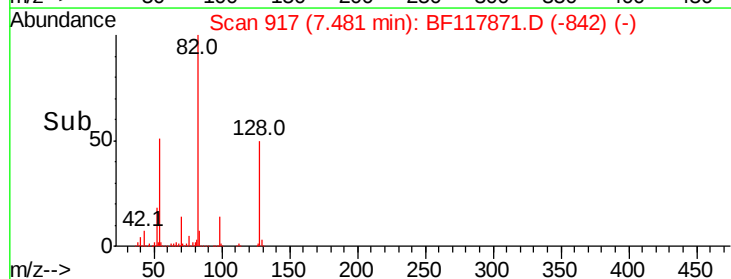
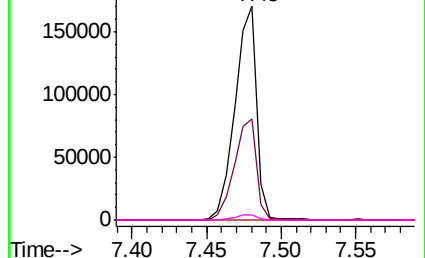


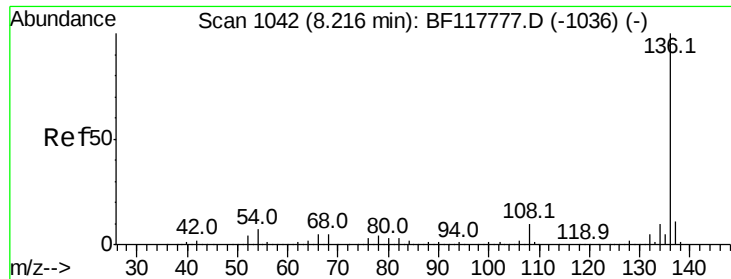
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

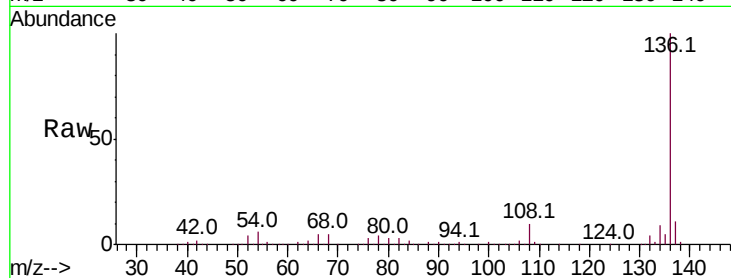




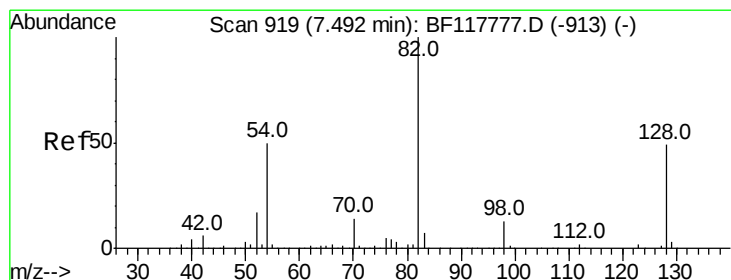
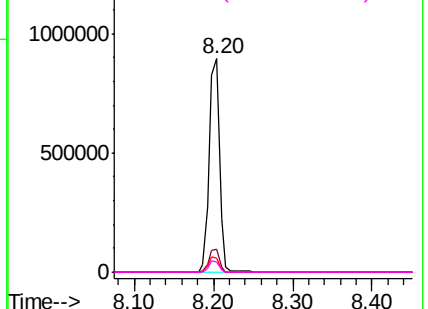
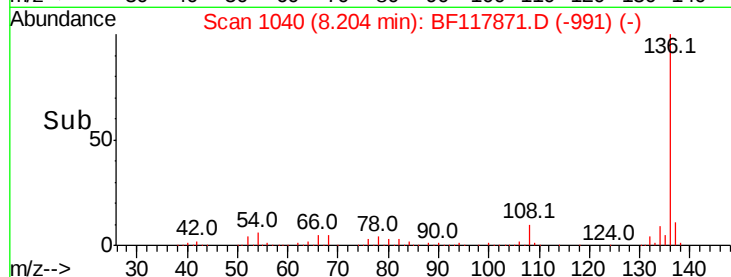
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	819870
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.4
54	6.3	5.4	8.2
68	4.9	4.3	6.5

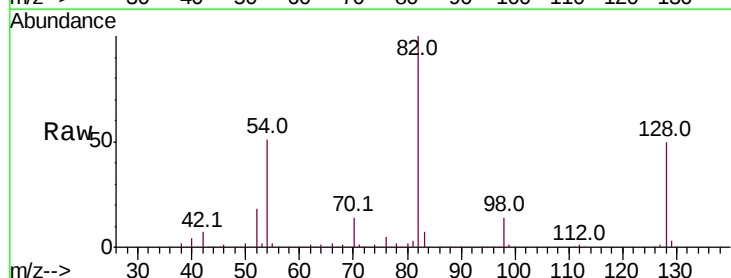


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

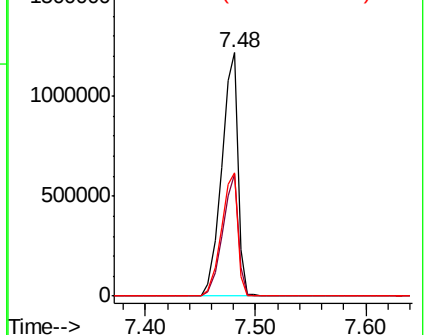
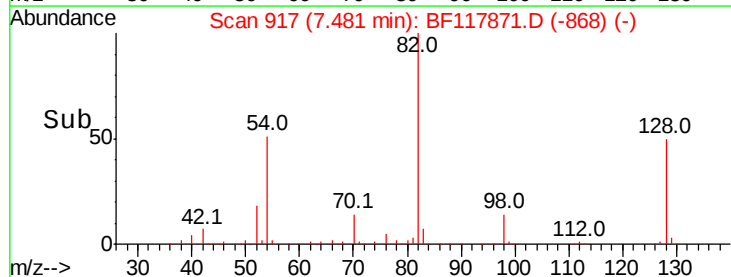


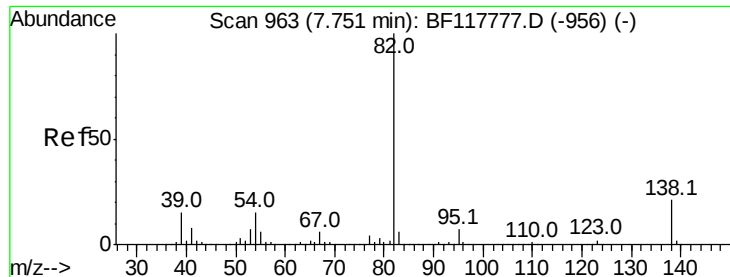
#23
Nitrobenzene-d5
Concen: 90.827 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion:	82	Resp:	1252677
Ion	Ratio	Lower	Upper
82	100		
128	49.9	38.9	58.3
54	50.5	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: 49.260 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Instrument :

BNA_F

ClientSampleId :

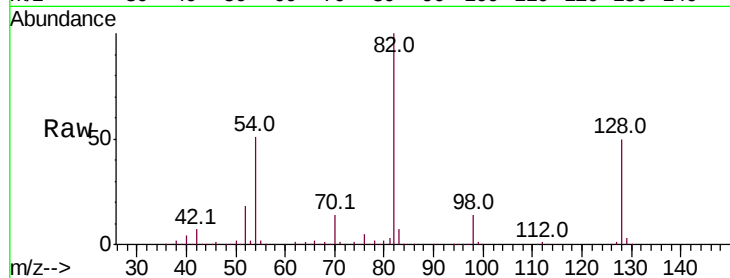
Tot Ion: 82 Resp: 1245206

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

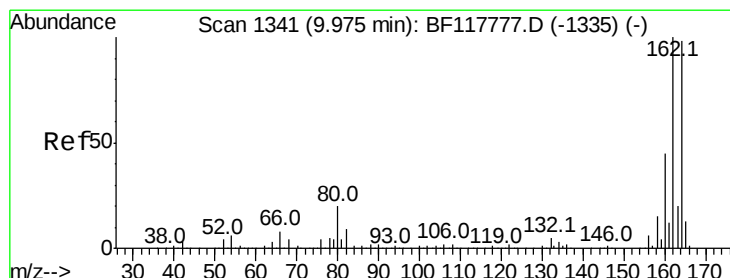
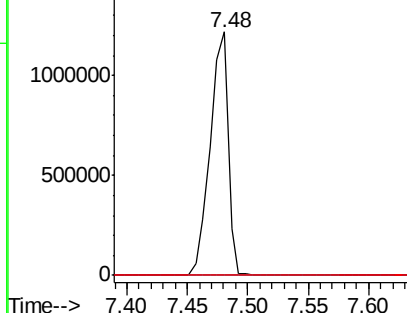
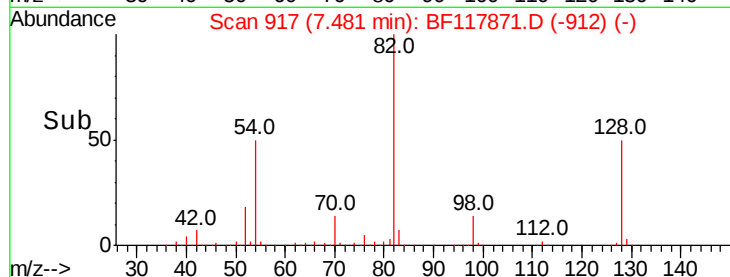
138 0.0 16.5 24.7#



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: BF117871.D

Acq: 19 Nov 2019 20:36

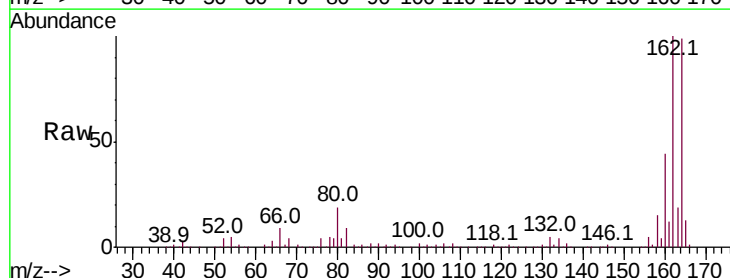
Tgt Ion:164 Resp: 430307

Ion Ratio Lower Upper

164 100

162 101.0 81.3 121.9

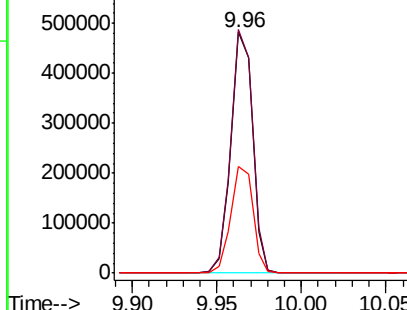
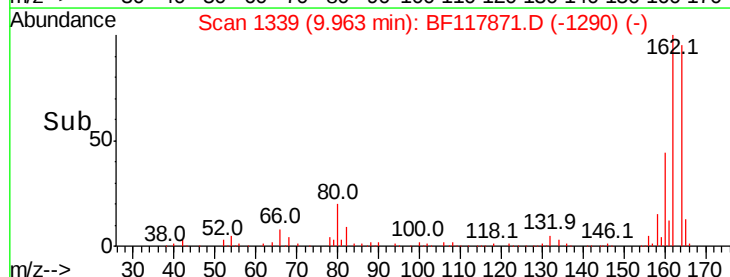
160 44.5 36.6 55.0

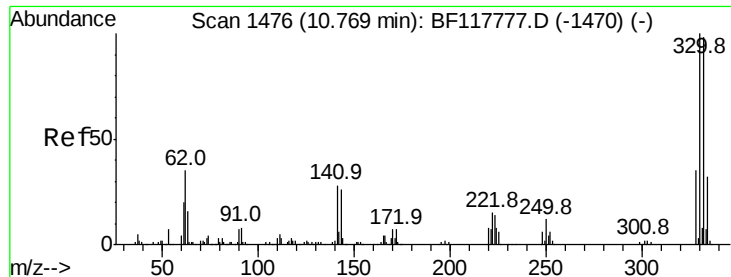


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

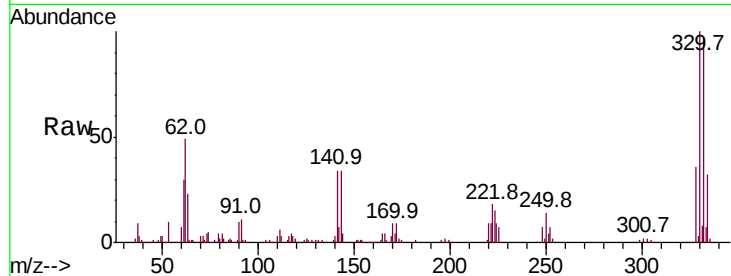




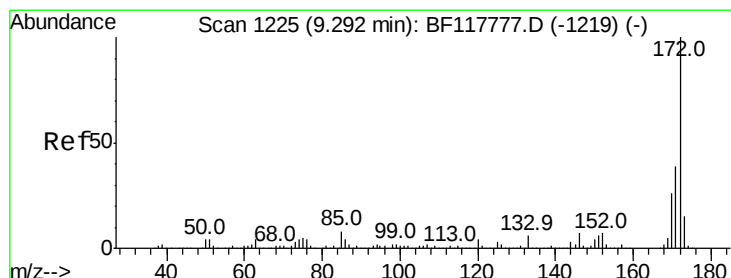
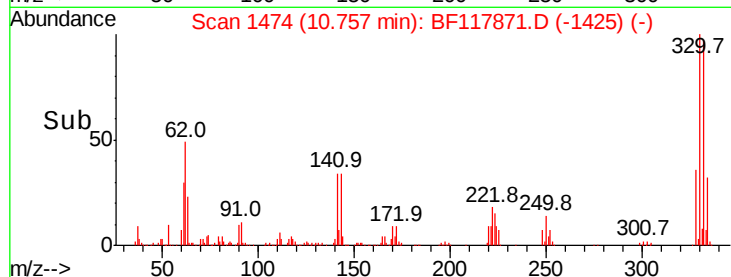
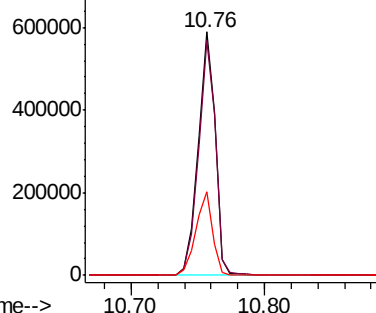
#42
 2,4,6-Tribromophenol
 Concen: 116.913 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117871.D
 Acq: 19 Nov 2019 20:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.7	115.1
141	34.1	27.7	41.5

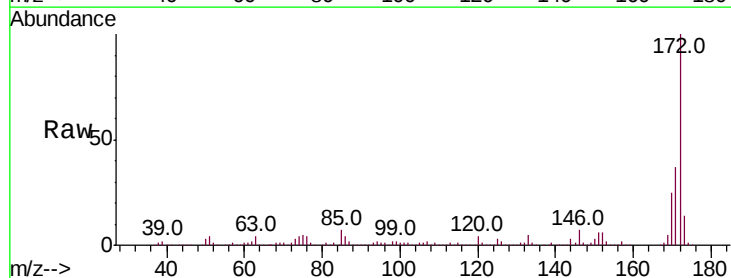


Abundance Ion 329.80 (329.50 to 330.50): E
 800000 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

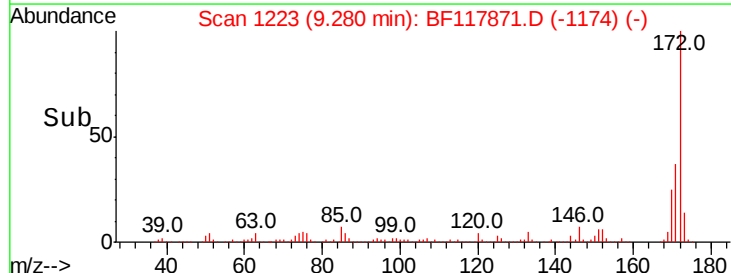
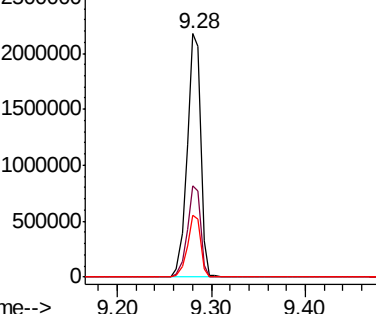


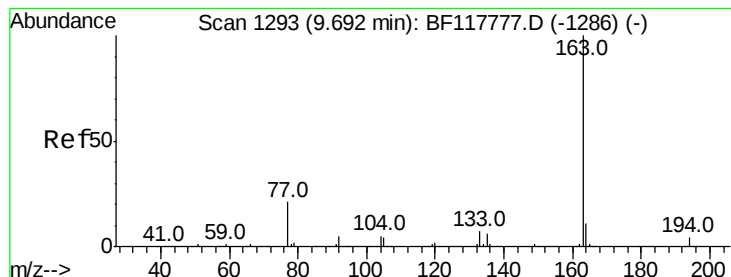
#45
 2-Fluorobiphenyl
 Concen: 92.179 ng
 RT: 9.28 min Scan# 1223
 Delta R.T. -0.01 min
 Lab File: BF117871.D
 Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	30.9	46.3
170	25.1	21.0	31.4



Abundance Ion 172.00 (171.70 to 172.70): E
 3000000 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 7.239 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.02 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Instrument :

BNA_F

ClientSampleId :

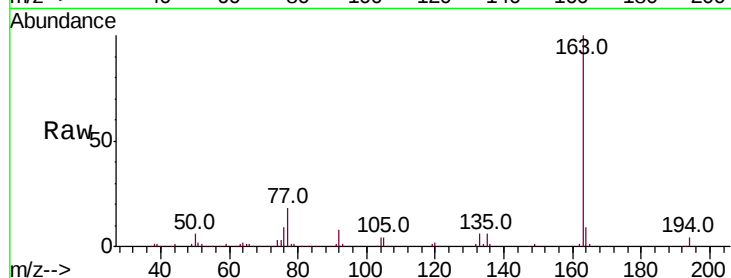
Tot Ion:163 Resp: 218436

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

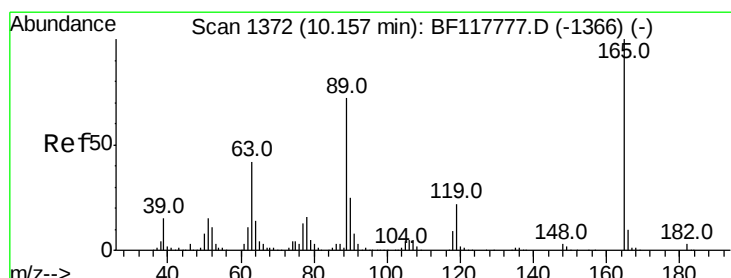
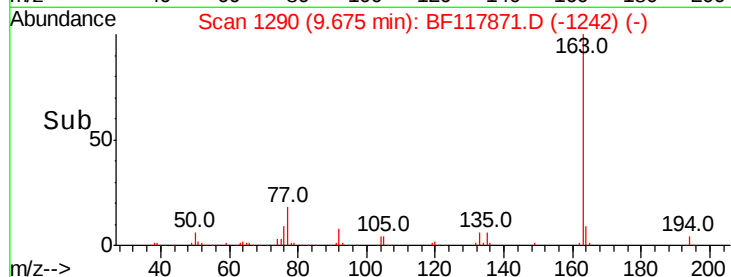
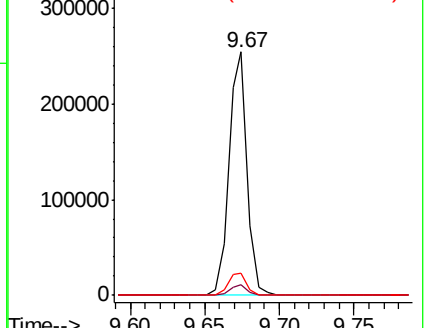
164 9.2 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 6.645 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.19 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Tgt Ion:165 Resp: 55745

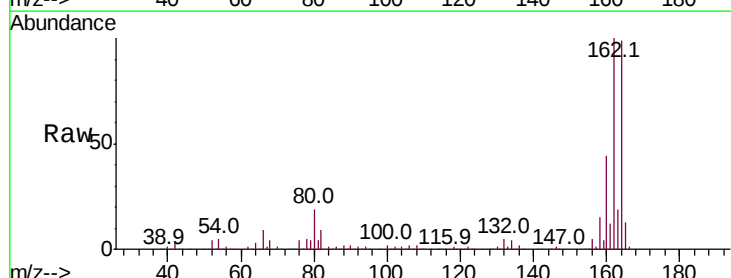
Ion Ratio Lower Upper

165 100

63 1.0 33.7 50.5#

89 1.2 57.3 85.9#

182 0.0 2.3 3.5#

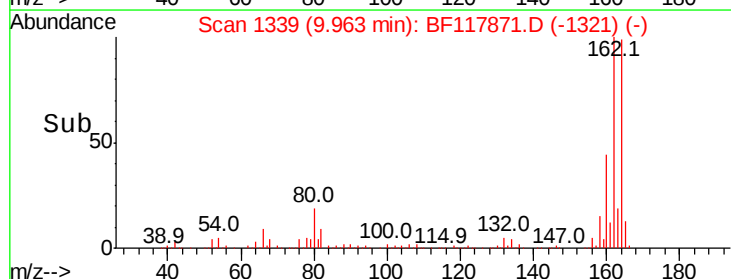
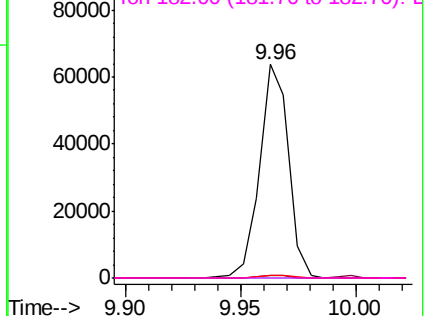


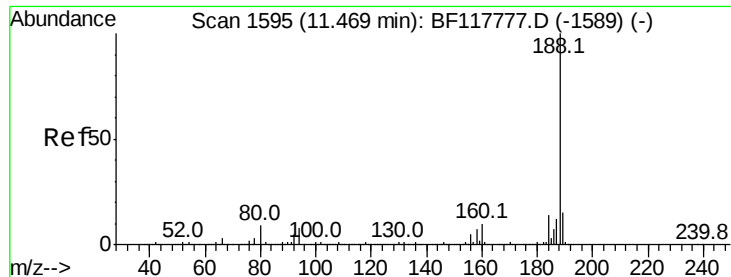
Abundance Ion 165.00 (164.70 to 165.70): E

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

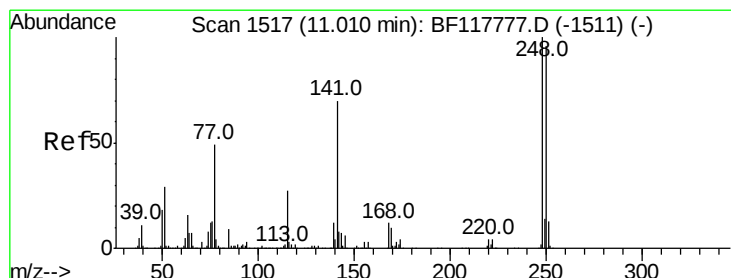
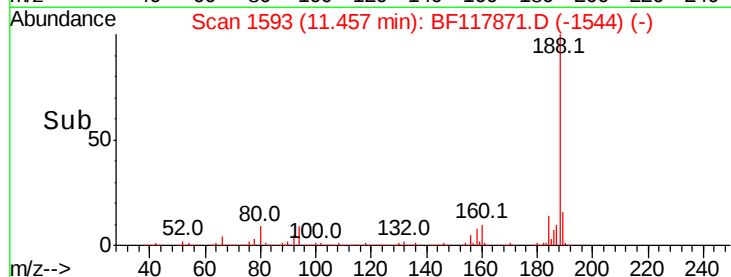
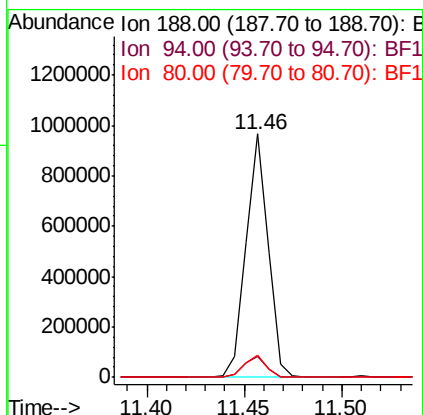
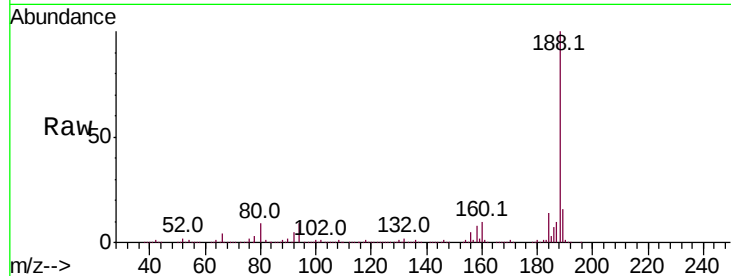




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

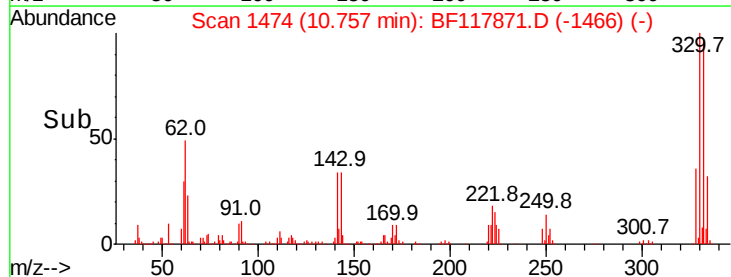
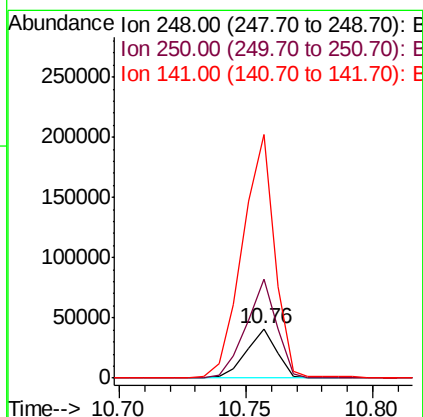
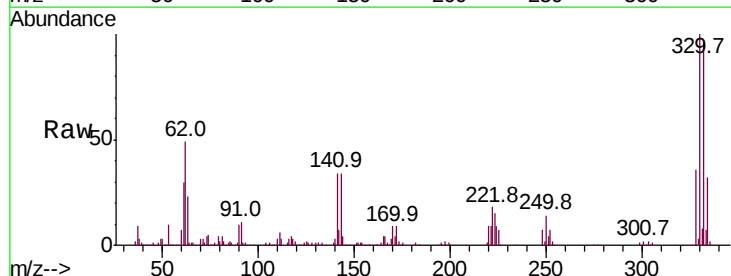
Instrument :
BNA_F
ClientSampleId :

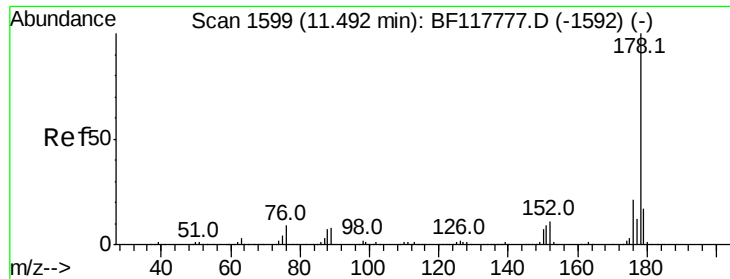
Tot Ion:188 Resp: 760841
Ion Ratio Lower Upper
188 100
94 8.6 6.6 10.0
80 9.3 7.2 10.8



#67
4-Bromophenyl-phenylether
Concen: 4.269 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.25 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion:248 Resp: 35044
Ion Ratio Lower Upper
248 100
250 199.6 76.6 115.0#
141 493.1 55.9 83.9#

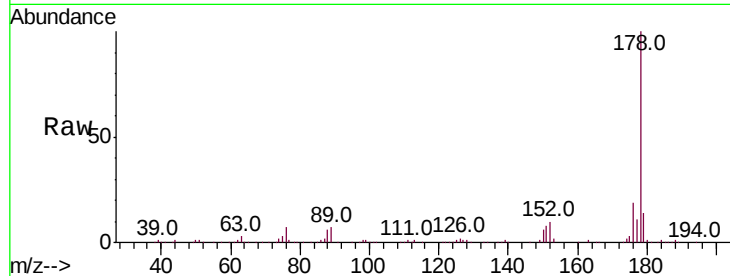




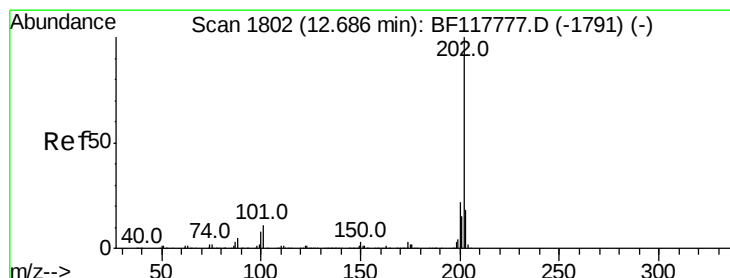
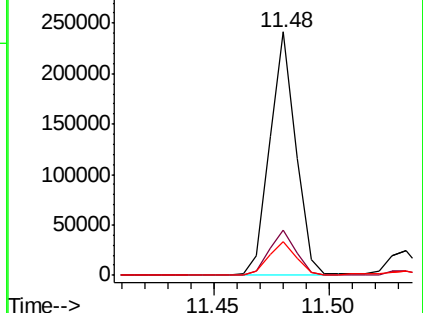
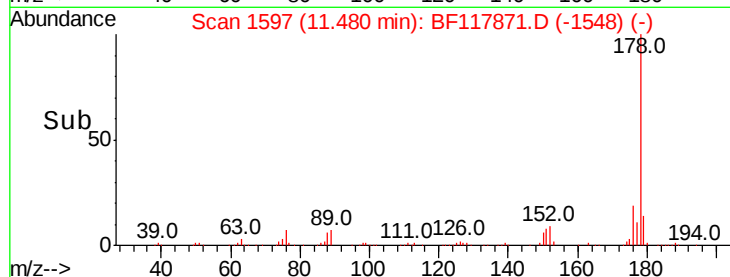
#71
Phenanthrene
Concen: 4.955 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.6	25.0
179	14.0	13.2	19.8

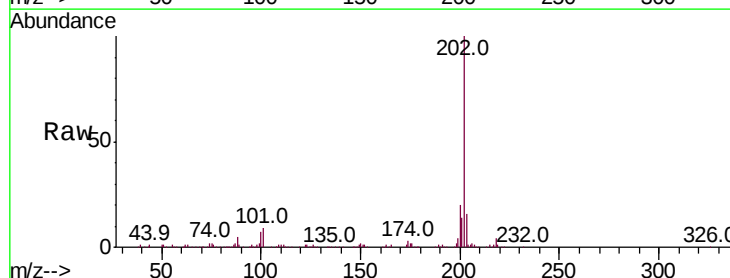


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

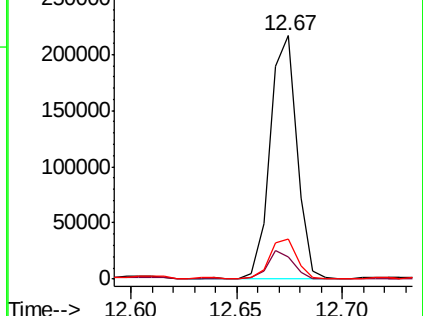
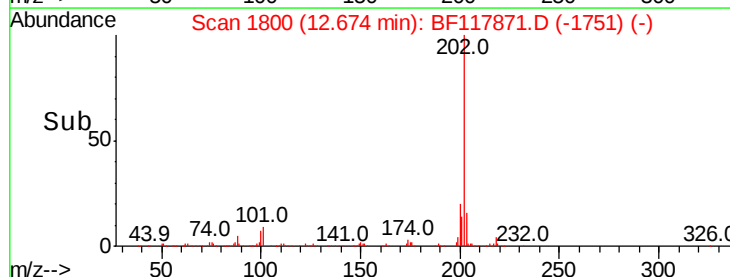


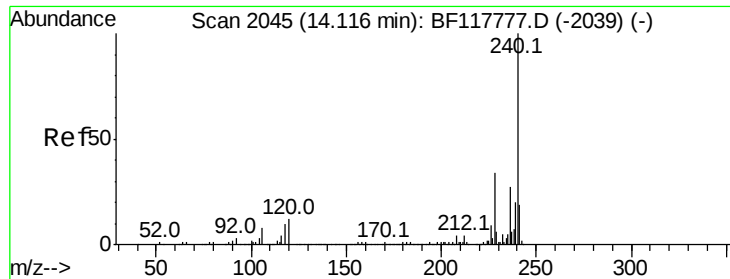
#75
Fluoranthene
Concen: Below Cal
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	31.1
203	16.4	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

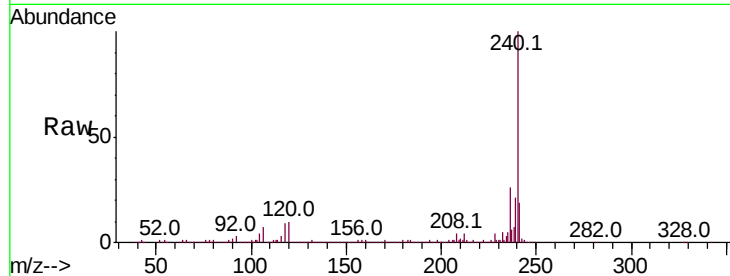




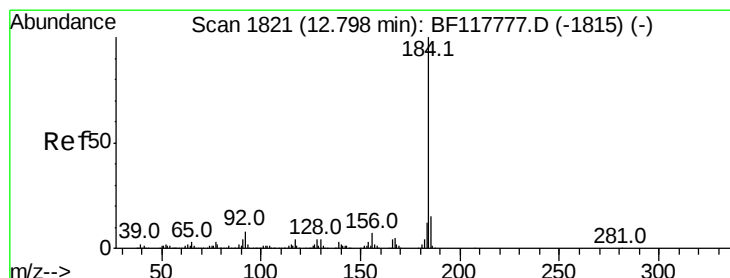
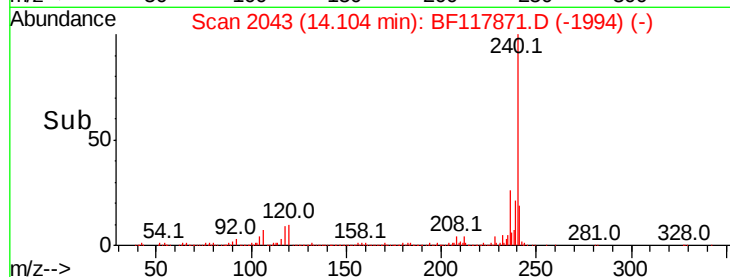
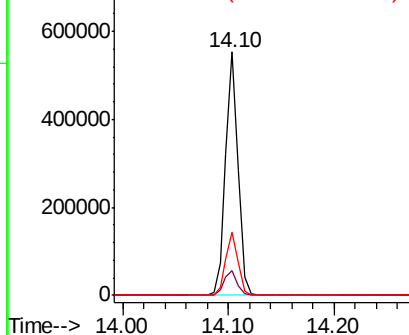
#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BF117871.D
 Acq: 19 Nov 2019 20:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 456056
 Ion Ratio Lower Upper
 240 100
 120 10.1 9.5 14.3
 236 25.8 21.3 31.9

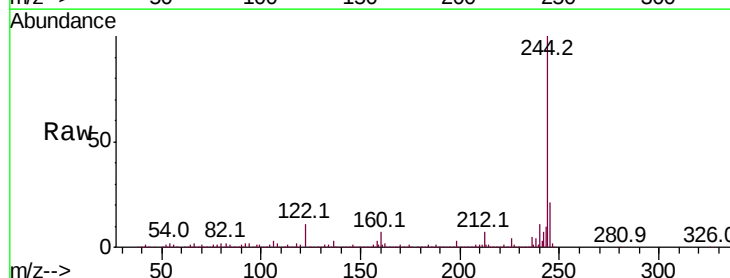


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

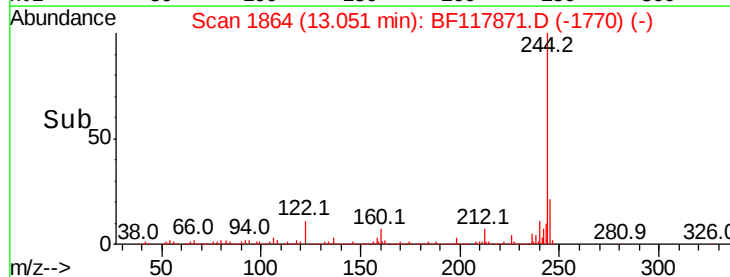
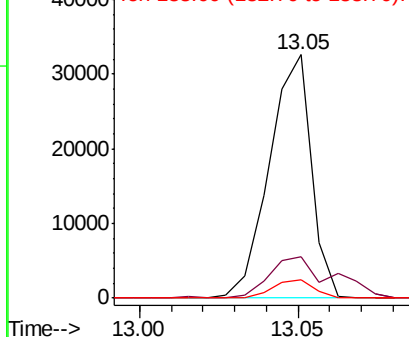


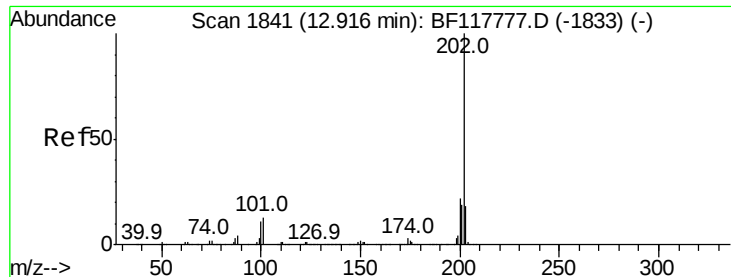
#77
 Benzidine
 Concen: 2.023 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. 0.25 min
 Lab File: BF117871.D
 Acq: 19 Nov 2019 20:36

Tgt Ion:184 Resp: 30214
 Ion Ratio Lower Upper
 184 100
 185 16.7 12.2 18.4
 183 7.7 9.5 14.3#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E

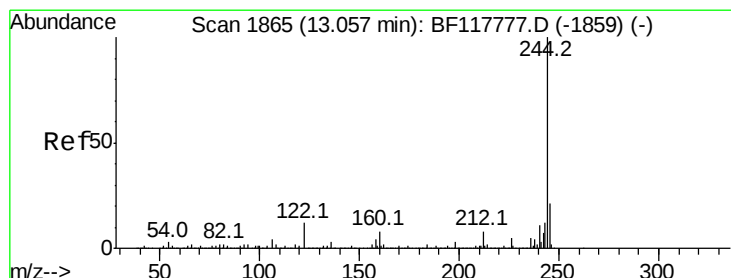
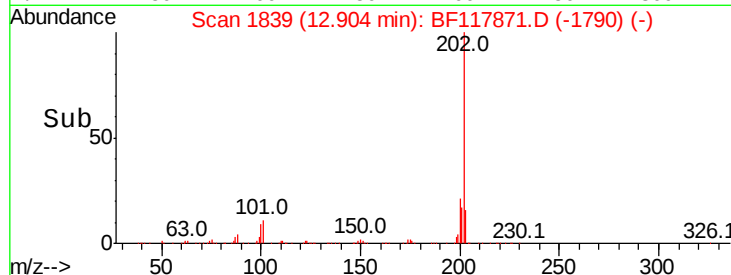
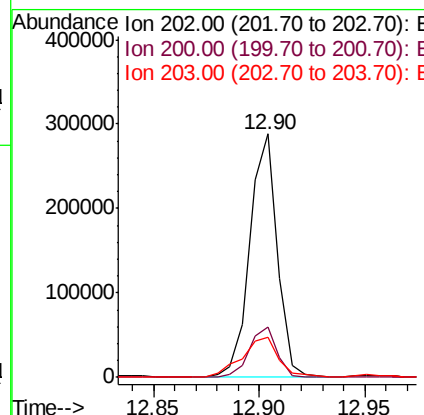
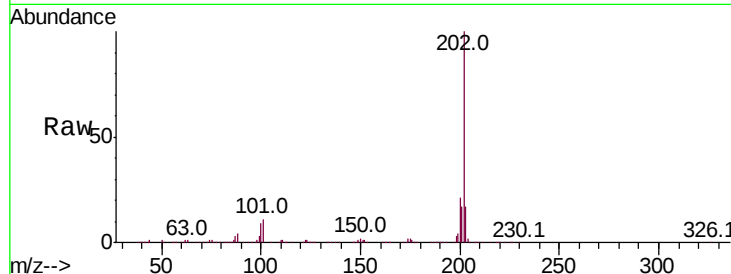




#78
Pvrene
Concen: 7.059 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

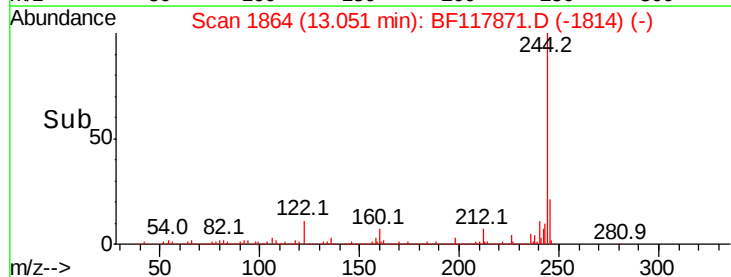
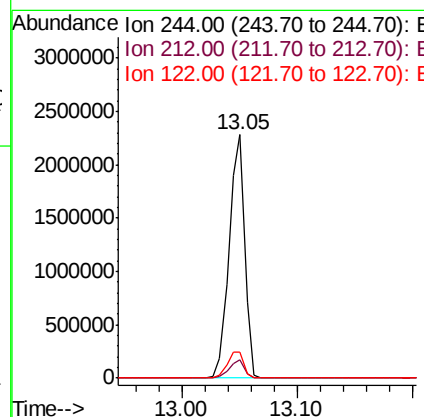
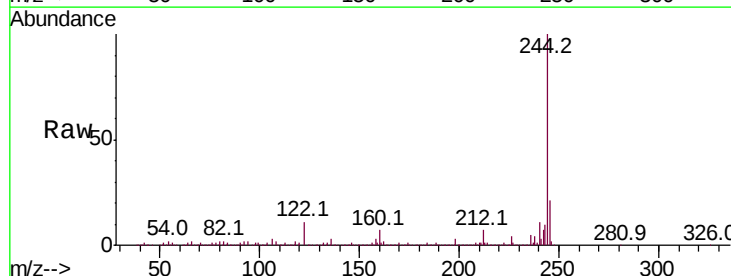
Instrument :
BNA_F
ClientSampleId :

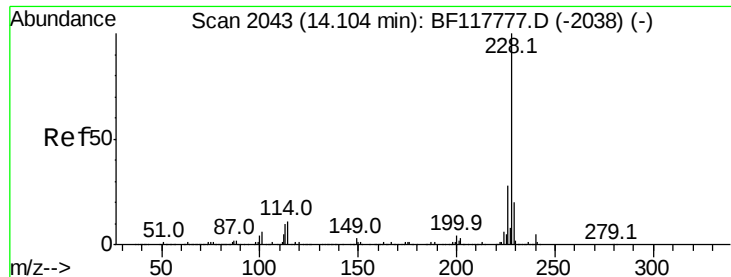
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.8	26.8
203	16.6	14.6	22.0



#79
Terphenyl-d14
Concen: 85.216 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	10.5	9.4	14.2

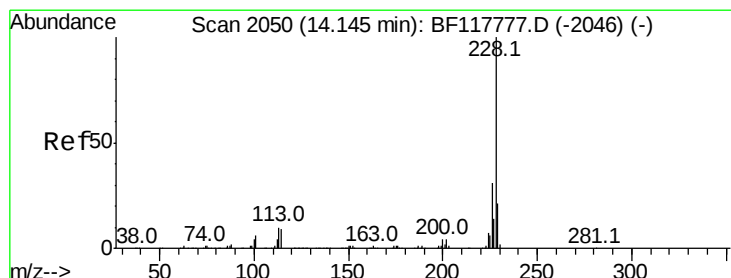
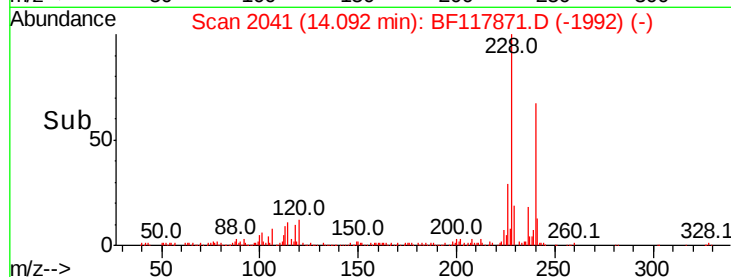
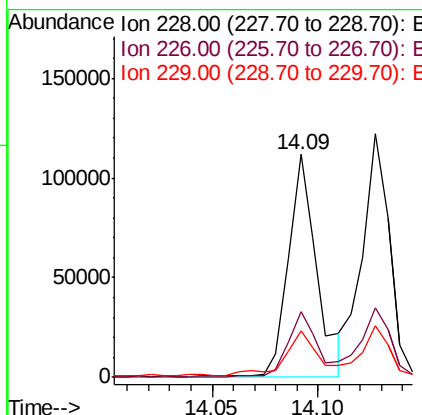
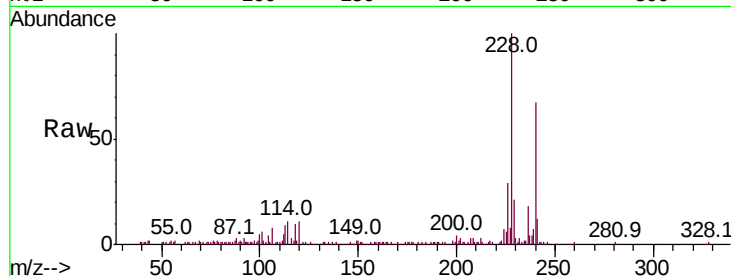




#81
Benzo(a)anthracene
Concen: 3.471 ng
RT: 14.09 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

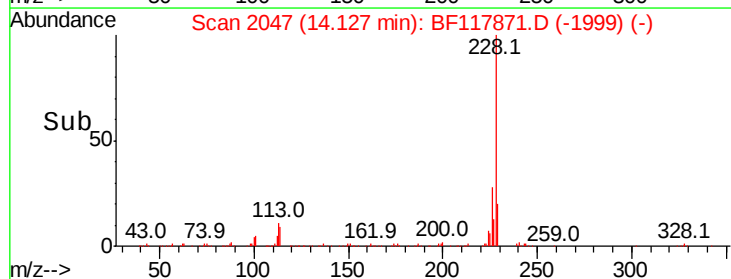
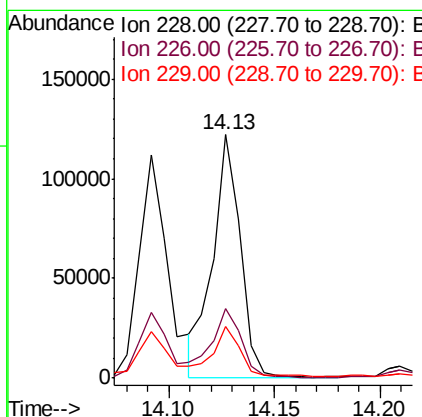
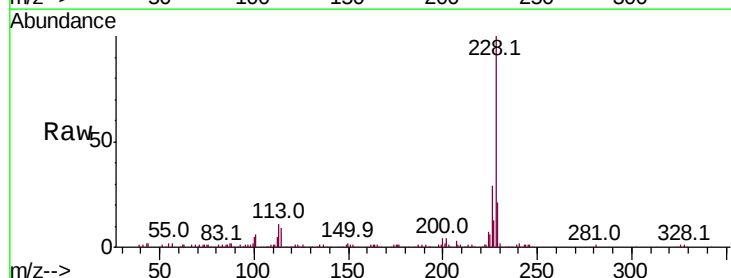
Instrument :
BNA_F
ClientSampleId :

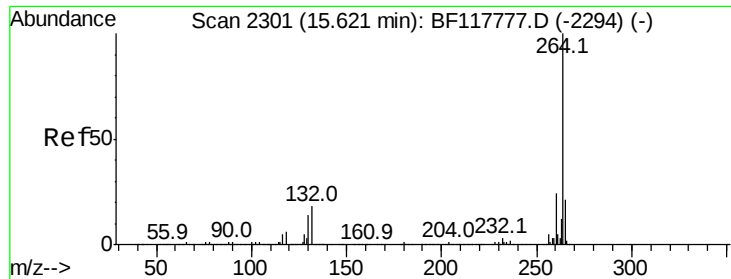
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.2	33.2
229	20.6	15.9	23.9



#83
Chrysene
Concen: 3.778 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.0	37.4
229	21.1	16.6	25.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.61 min Scan# 2299

Delta R.T. -0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

Instrument :

BNA_F

ClientSampleId :

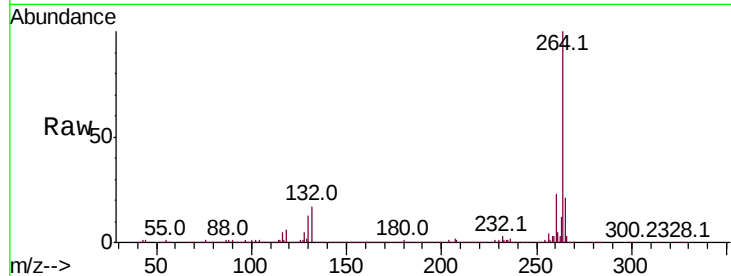
Tot Ion:264 Resp: 486715

Ion Ratio Lower Upper

264 100

260 23.1 19.4 29.0

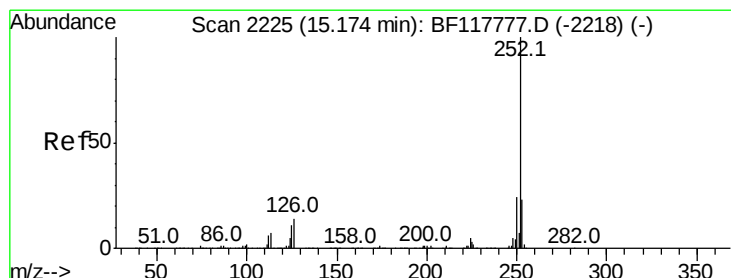
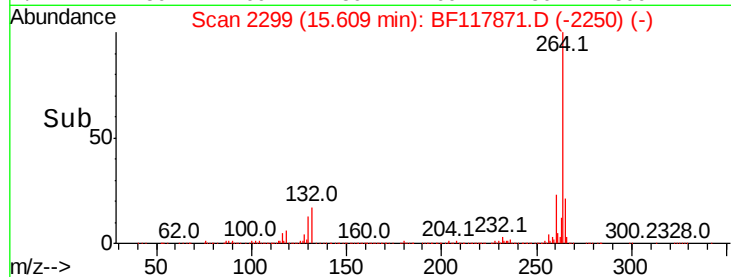
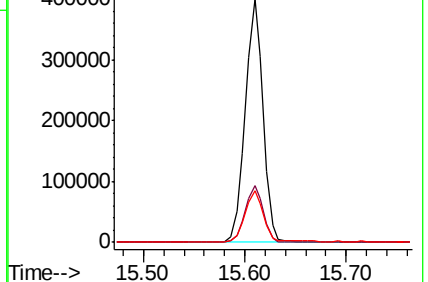
265 21.1 17.1 25.7



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



#88

Benzo(b)fluoranthene

Concen: 3.788 ng

RT: 15.16 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF117871.D

Acq: 19 Nov 2019 20:36

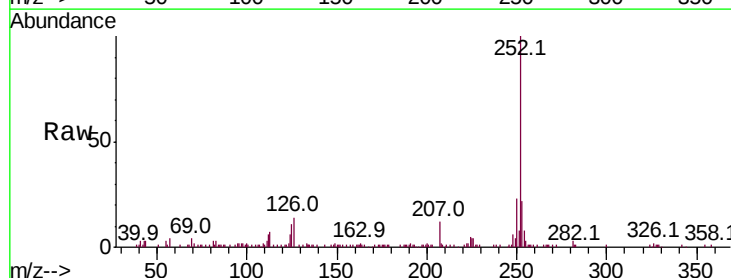
Tgt Ion:252 Resp: 119779

Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

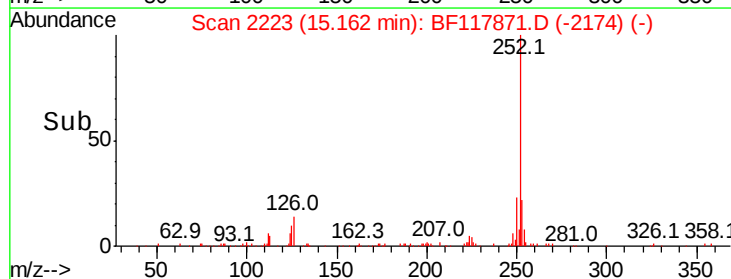
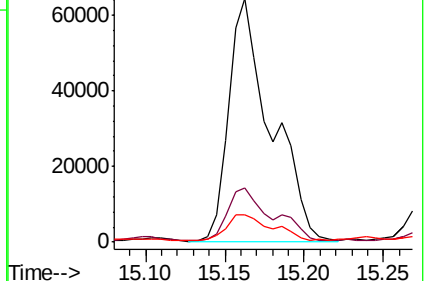
125 11.4 8.6 13.0

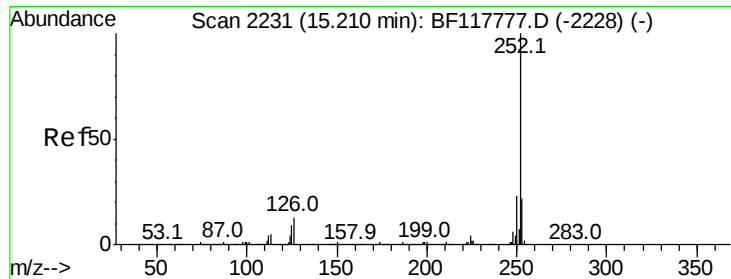


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

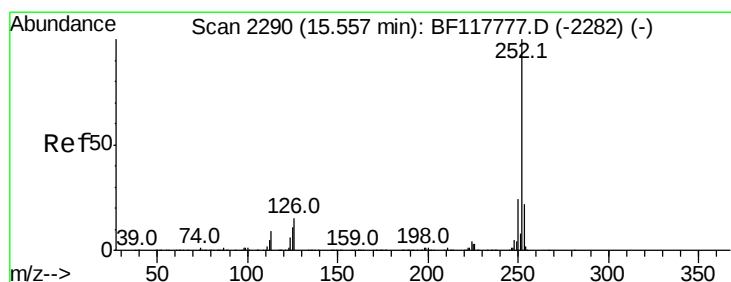
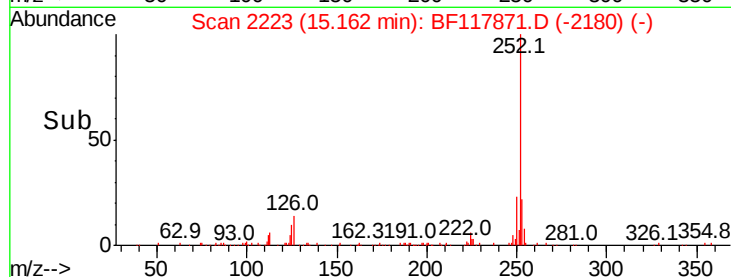
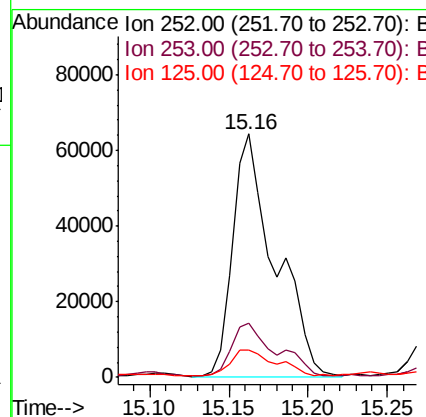
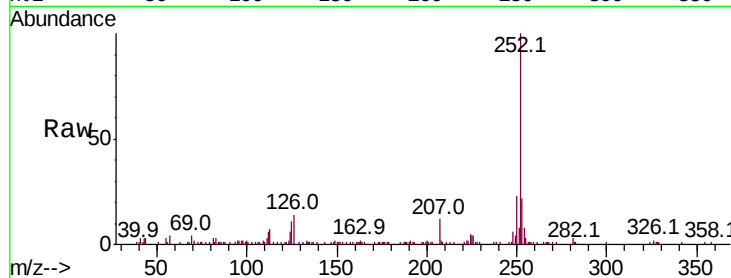




#89
Benzo(k)fluoranthene
Concen: 4.020 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.05 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.4	7.9	11.9



#90
Benzo(a)pyrene
Concen: 2.249 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.02 min
Lab File: BF117871.D
Acq: 19 Nov 2019 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.1	9.2	13.8

