

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117584.D
 Acq On : 29 Oct 2019 12:17
 Operator : JU
 Sample : K5503-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:18:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	45665	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	187229	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	82777	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	109532	20.00	ng	0.00
76) Chrysene-d12	13.89	240	86313	20.00	ng	0.00
87) Perylene-d12	15.33	264	89670	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	190756	62.15	ng	0.00
7) Phenol-d6	6.38	99	265869	64.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	161094	42.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	34727	48.49	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	224341	38.19	ng	-0.01
79) Terphenyl-d14	12.83	244	129817	24.53	ng	0.00

Target Compounds

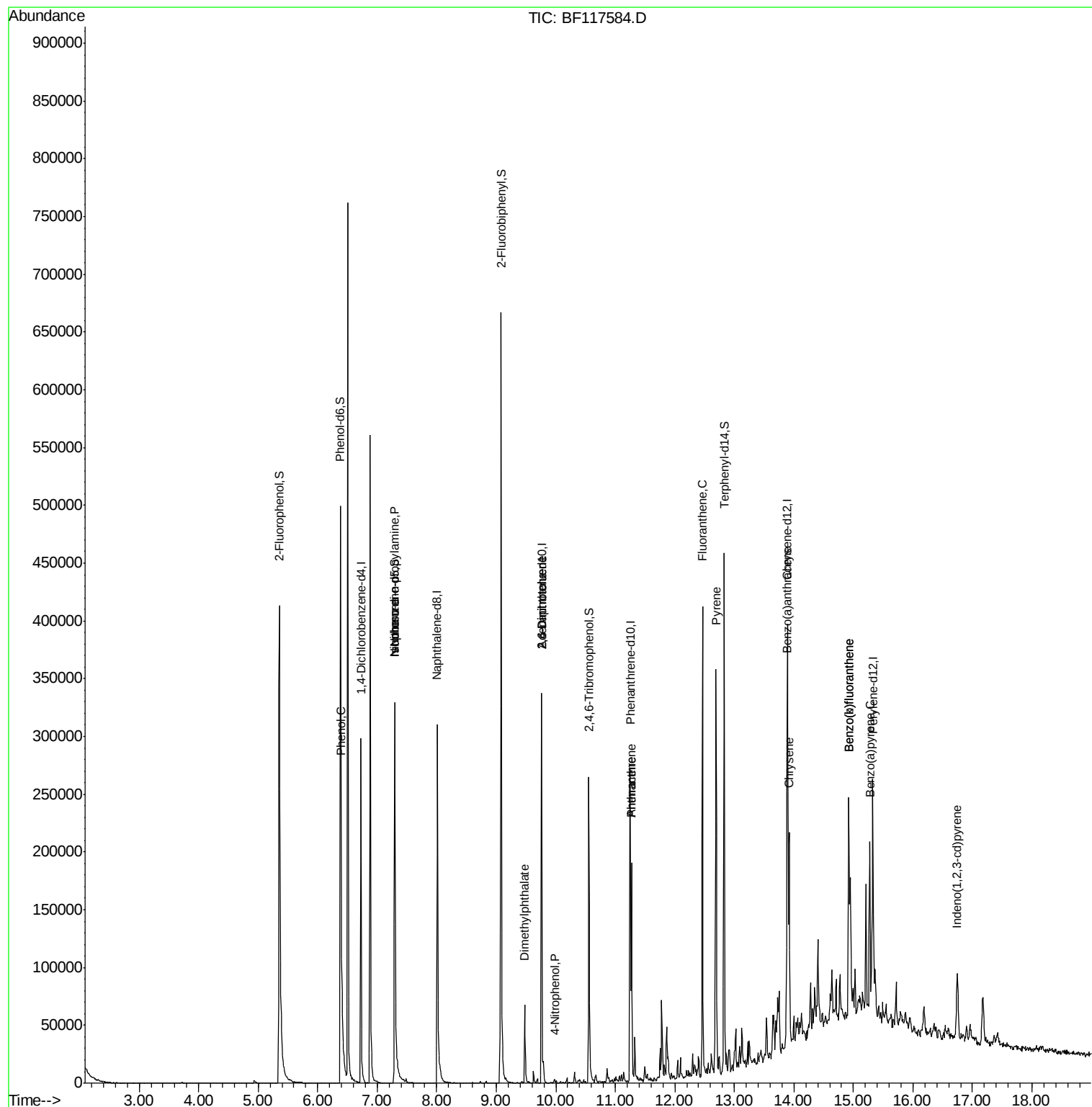
						Qvalue
9) Benzaldehyde	6.50	77	4935	Below Cal	#	82
10) Phenol	6.40	94	10352	2.460 ng		86
19) n-Nitroso-di-n-propylamine	7.29	70	20860	8.285 ng	#	81
25) Isophorone	7.29	82	161093	24.554 ng	#	65
50) Dimethylphthalate	9.48	163	33268	5.638 ng		98
51) 2,6-Dinitrotoluene	9.76	165	10051	8.162 ng	#	22
56) 4-Nitrophenol	9.98	139	853	5.306 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	10051	6.139 ng	#	12
71) Phenanthrene	11.27	178	78650	12.366 ng		100
72) Anthracene	11.27	178	78650	12.052 ng		99
75) Fluoranthene	12.46	202	153929	24.176 ng		98
77) Benzidine	12.83	184	1718	Below Cal	#	78
78) Pvrene	12.69	202	137090	18.491 ng		99
81) Benzo(a)anthracene	13.88	228	76418	13.125 ng		96
83) Chrysene	13.92	228	72968	12.788 ng		99
86) Indeno(1,2,3-cd)pyrene	16.74	276	33783	7.930 ng		95
88) Benzo(b)fluoranthene	14.92	252	125053	23.617 ng		98
89) Benzo(k)fluoranthene	14.92	252	125053	23.042 ng		97
90) Benzo(a)pyrene	15.27	252	67630	14.048 ng	#	93

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

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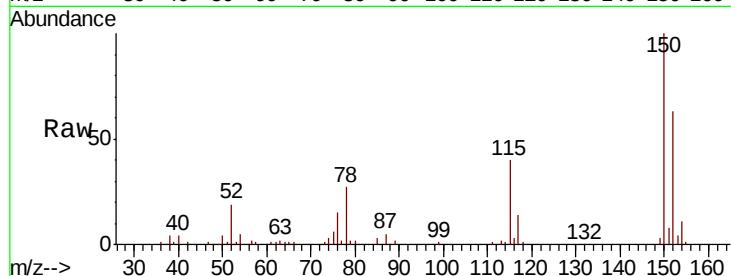


#1

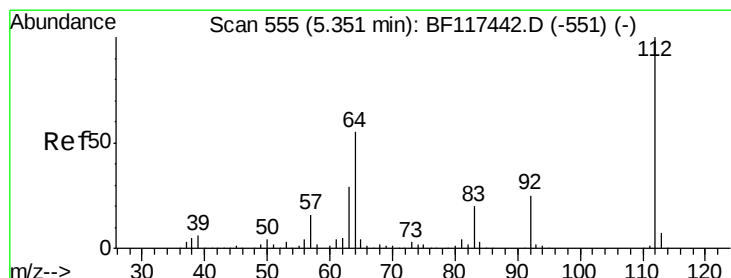
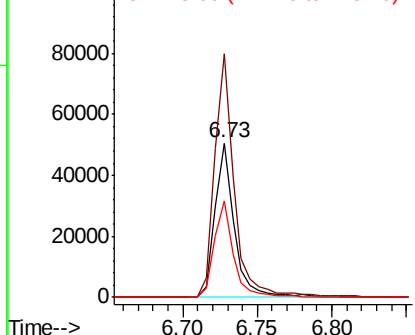
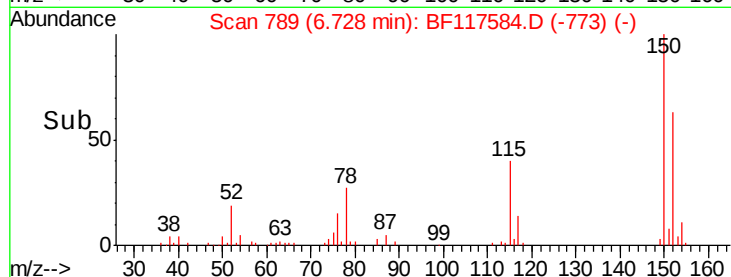
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 45665
Ion Ratio Lower Upper
152 100
150 157.9 126.8 190.2
115 62.4 51.6 77.4



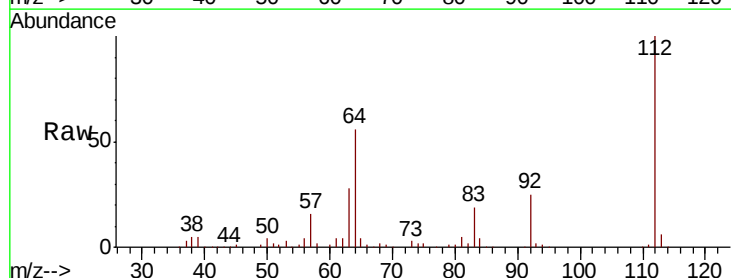
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



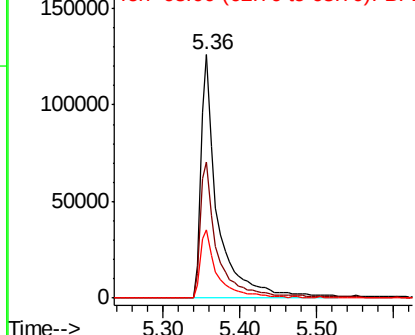
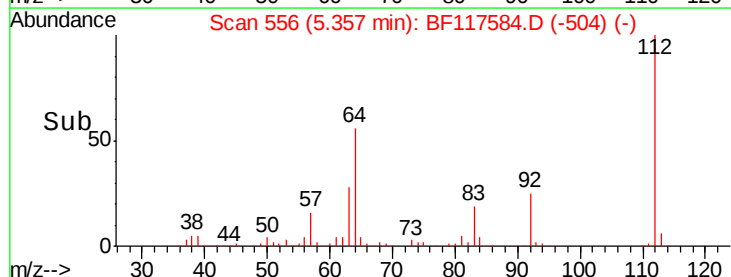
#5

2-Fluorophenol
Concen: 62.146 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion:112 Resp: 190756
Ion Ratio Lower Upper
112 100
64 55.7 44.1 66.1
63 28.1 23.4 35.2



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: 64.489 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

ClientSampleId :

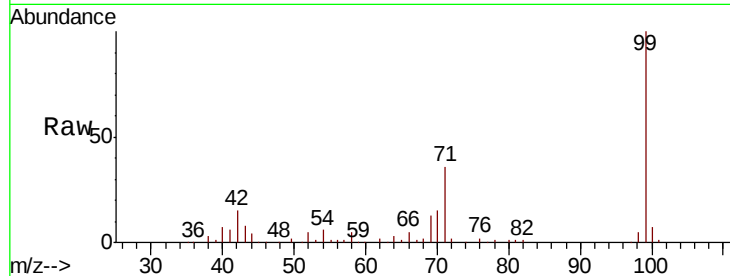
Tot Ion: 99 Resp: 265869

Ion Ratio Lower Upper

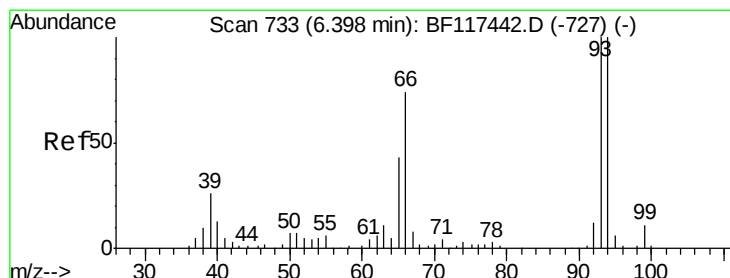
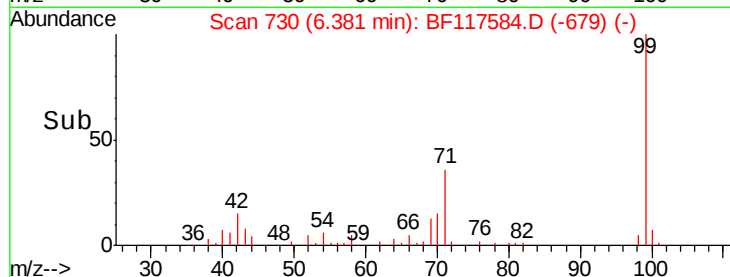
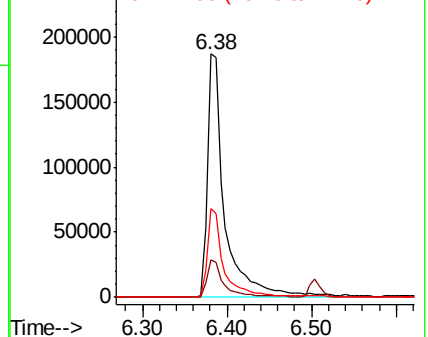
99 100

42 15.3 12.8 19.2

71 36.5 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: 2.460 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

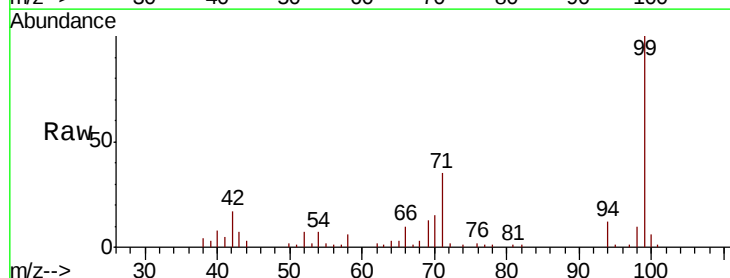
Tgt Ion: 94 Resp: 10352

Ion Ratio Lower Upper

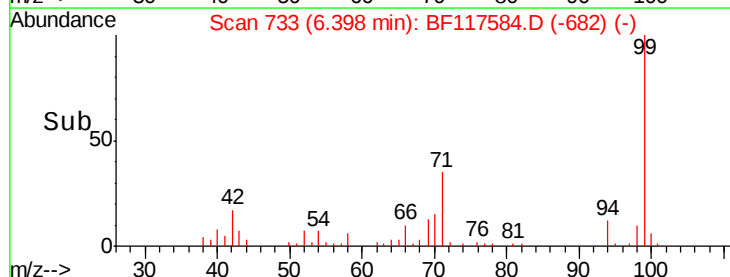
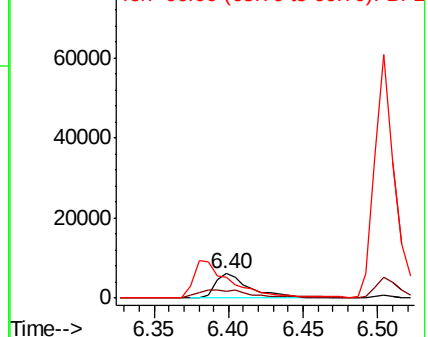
94 100

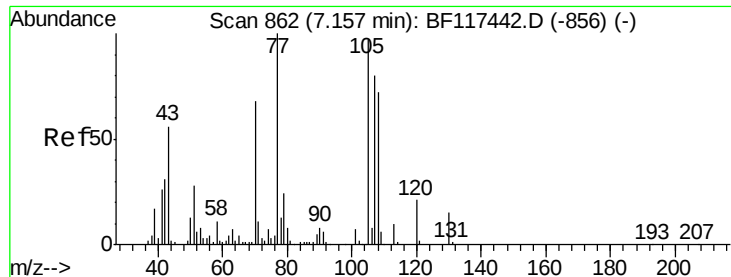
65 29.2 23.4 63.4

66 83.1 54.7 94.7



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

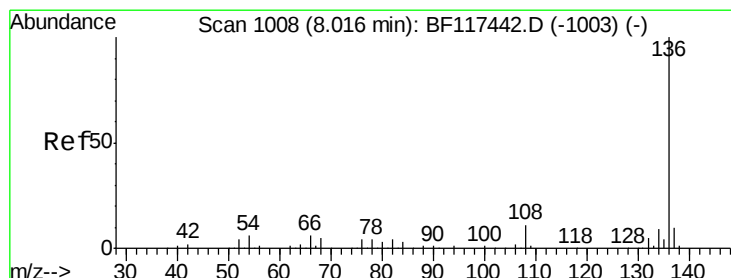
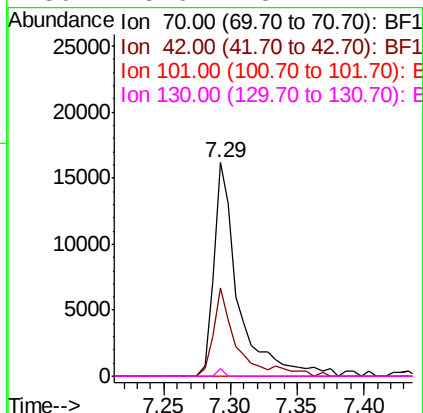
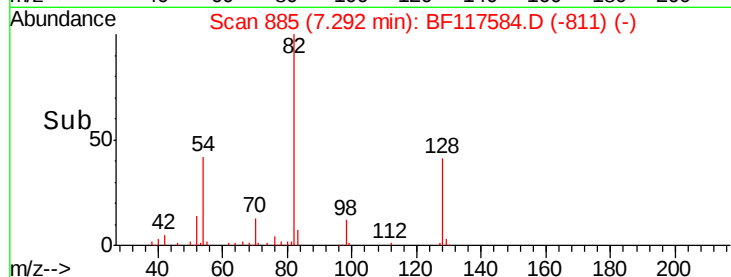
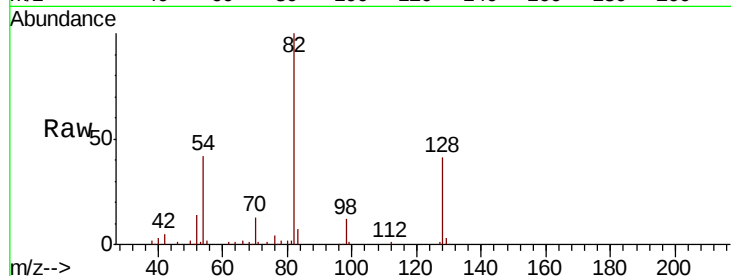




#19
n-Nitroso-di-n-propylamine
Concen: 8.285 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

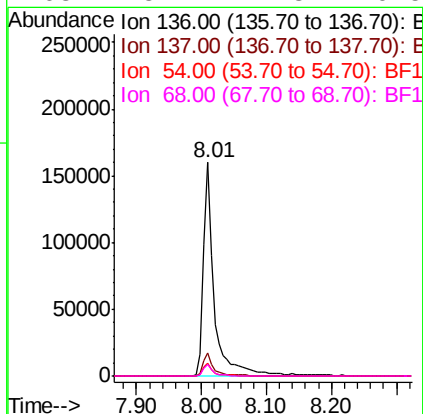
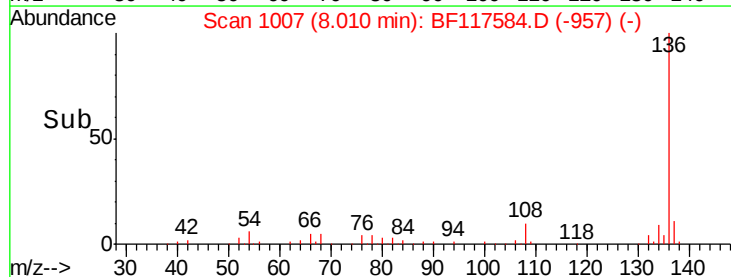
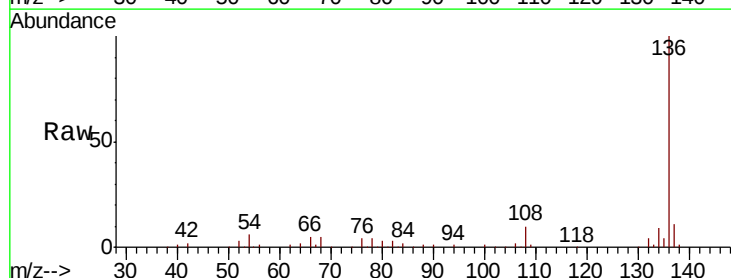
Instrument :
BNA_F
ClientSampled :

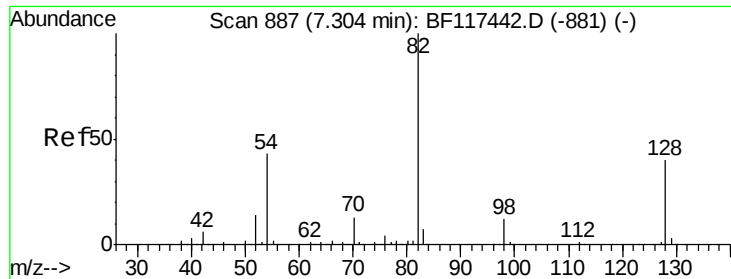
Tot Ion: 70 Resp: 20860
Ion Ratio Lower Upper
70 100
42 41.1 36.7 55.1
101 0.0 8.3 12.5#
130 3.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion:136 Resp: 187229
Ion Ratio Lower Upper
136 100
137 10.9 8.2 12.4
54 6.0 4.5 6.7
68 5.4 4.3 6.5

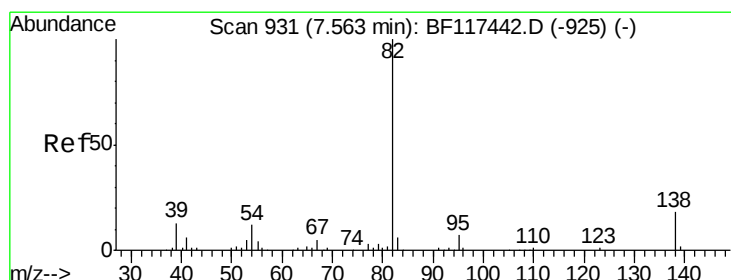
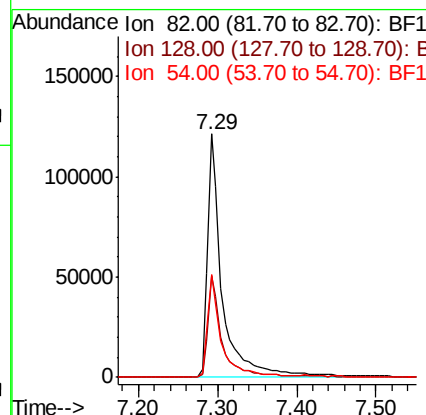
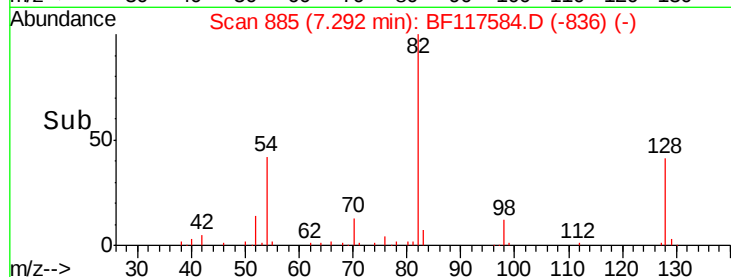
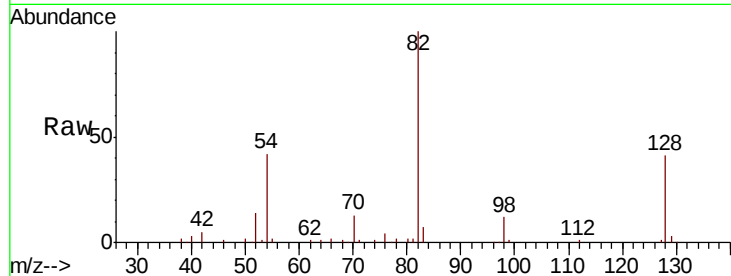




#23
 Nitrobenzene-d5
 Concen: 42.477 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

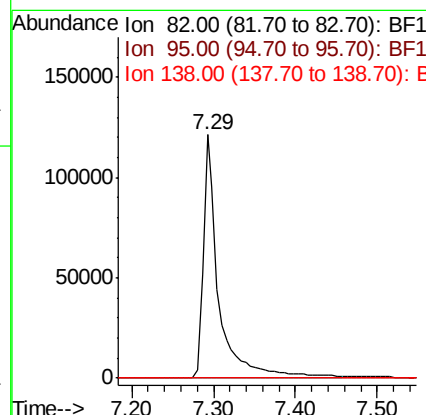
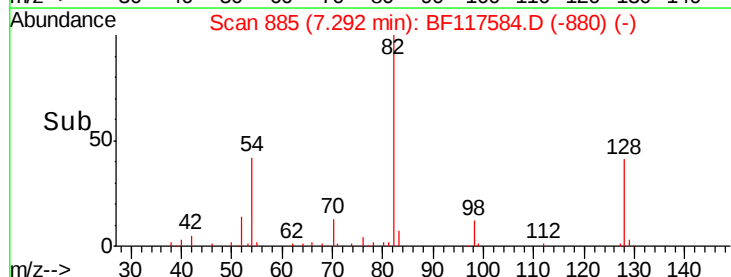
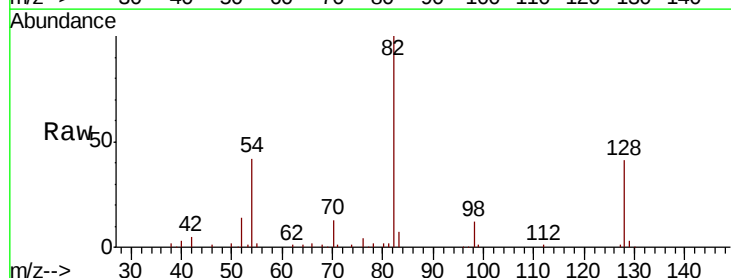
Instrument :
 BNA_F
 ClientSampleId :

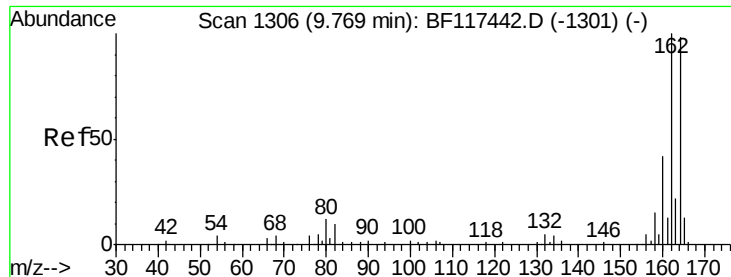
Tot Ion: 82 Resp: 161094
 Ion Ratio Lower Upper
 82 100
 128 41.5 32.2 48.2
 54 42.4 34.2 51.2



#25
 Isophorone
 Concen: 24.554 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion: 82 Resp: 161093
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.2 21.2#

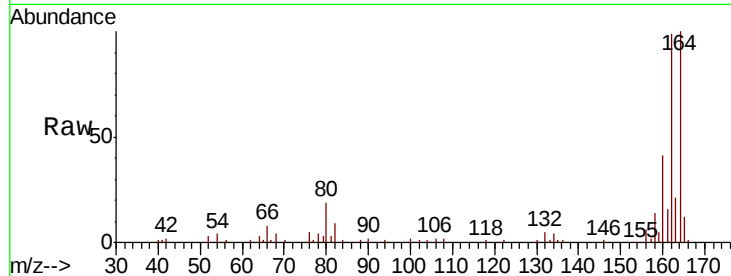




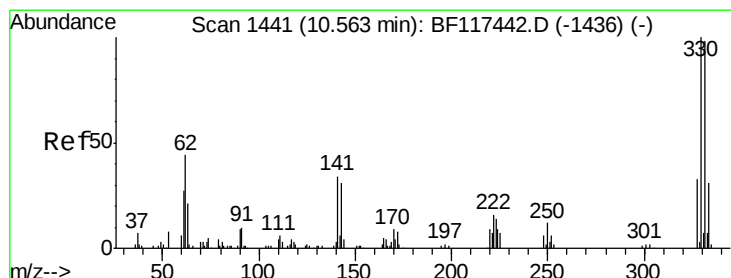
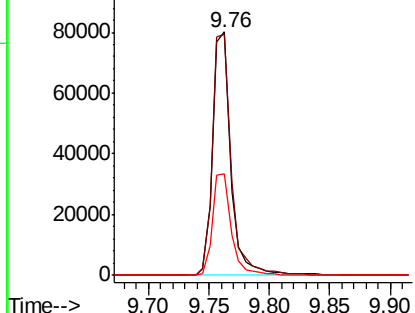
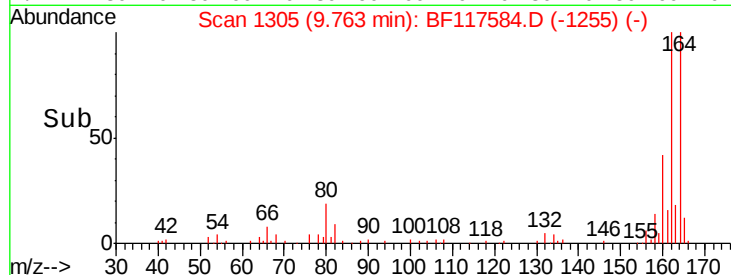
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 82777
Ion Ratio Lower Upper
164 100
162 99.0 81.8 122.6
160 41.5 34.4 51.6

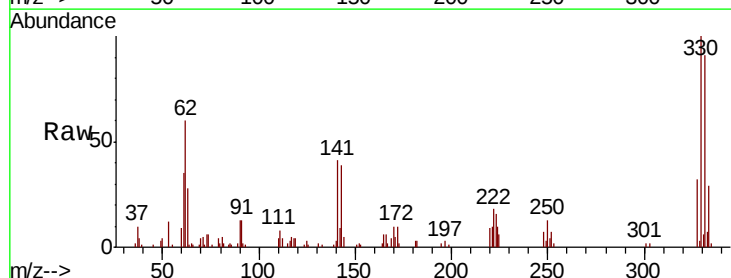


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

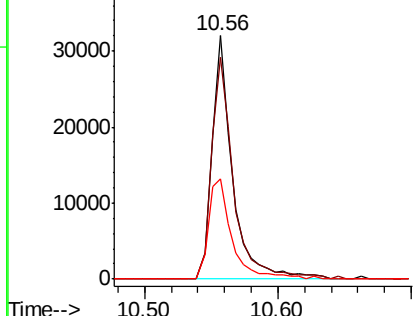
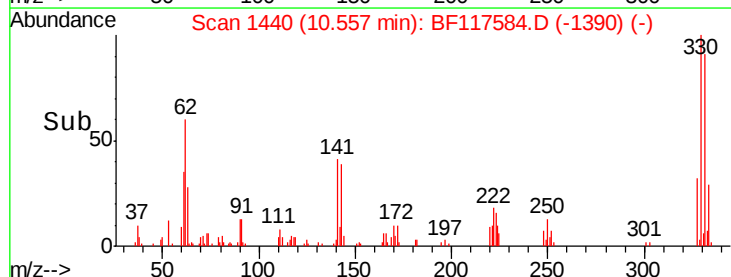


#42
2,4,6-Tribromophenol
Concen: 48.486 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion:330 Resp: 34727
Ion Ratio Lower Upper
330 100
332 97.6 78.5 117.7
141 46.8 37.0 55.6



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

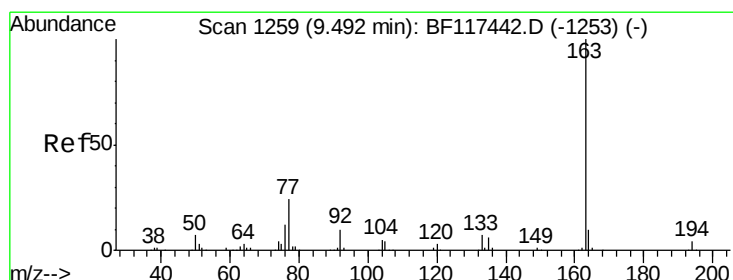
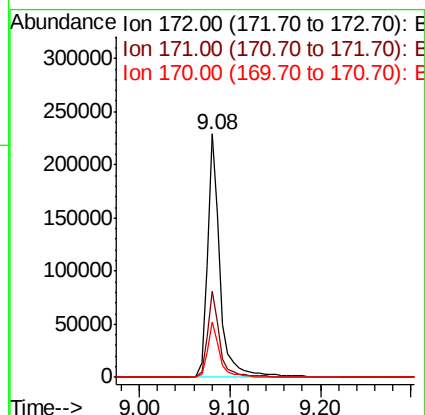
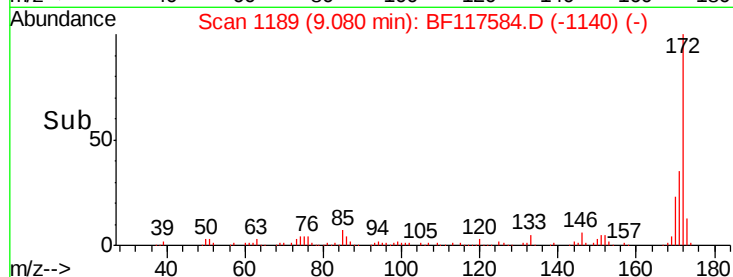
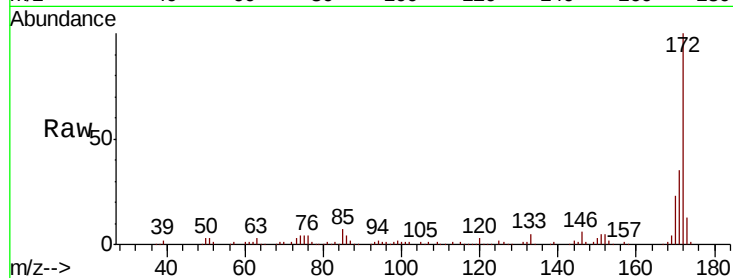




#45
 2-Fluorobiphenyl
 Concen: 38.186 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

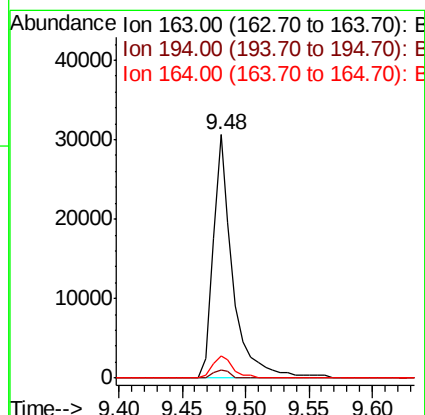
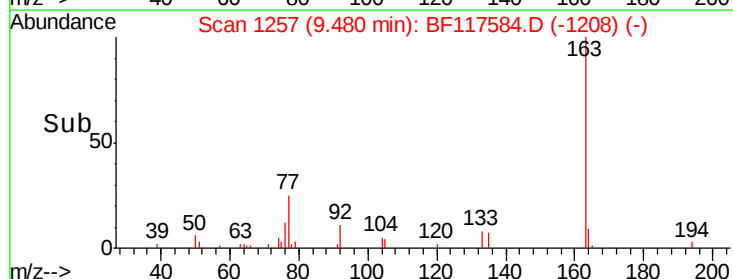
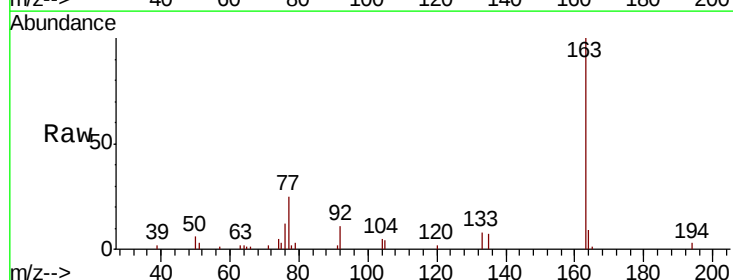
Instrument :
 BNA_F
 ClientSampleId :

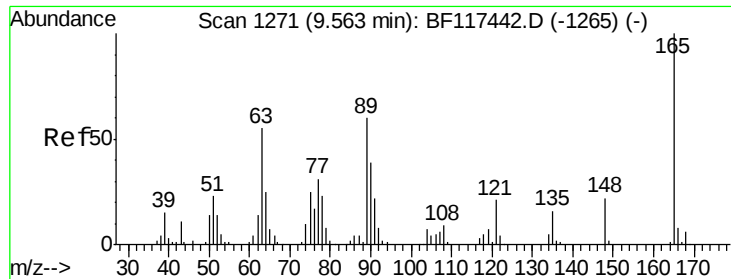
Tot Ion:172 Resp: 224341
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.5 41.3
 170 22.6 18.6 27.8



#50
 Dimethylphthalate
 Concen: 5.638 ng
 RT: 9.48 min Scan# 1257
 Delta R.T. -0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion:163 Resp: 33268
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.9 4.3
 164 9.2 8.2 12.2

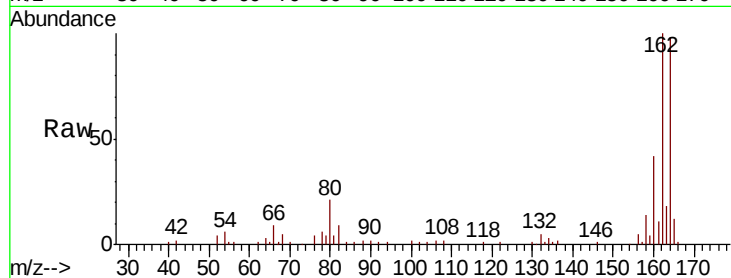




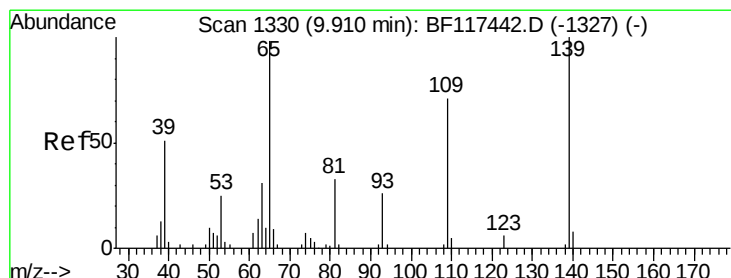
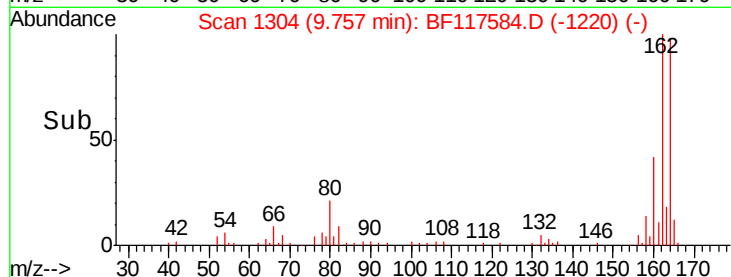
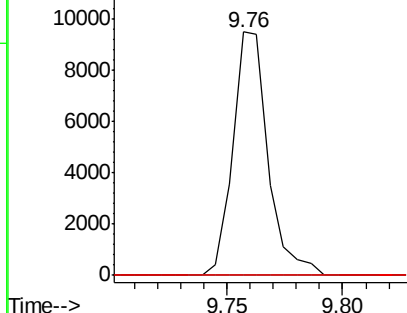
#51
 2,6-Dinitrotoluene
 Concen: 8.162 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

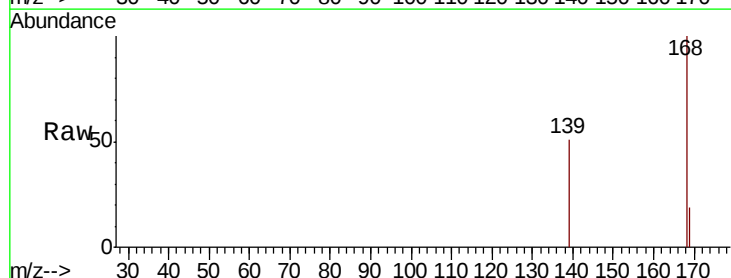


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

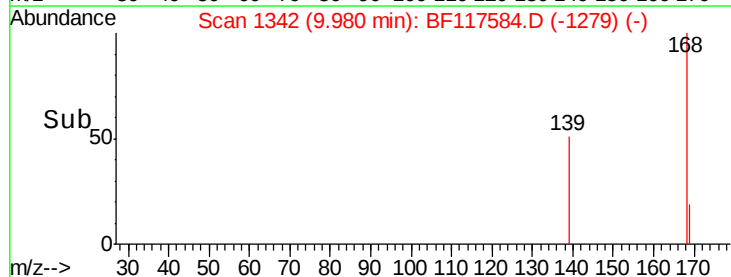
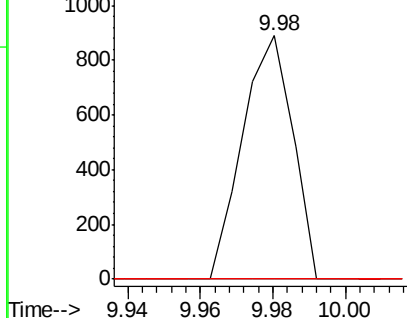


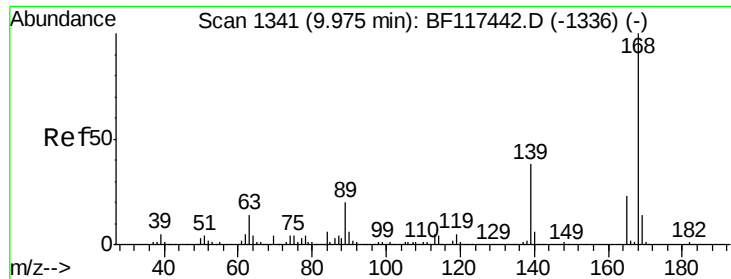
#56
 4-Nitrophenol
 Concen: 5.306 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.07 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

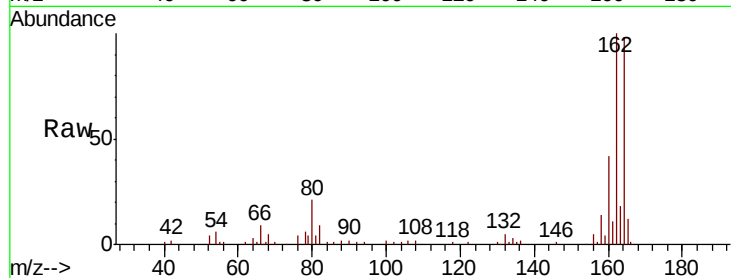




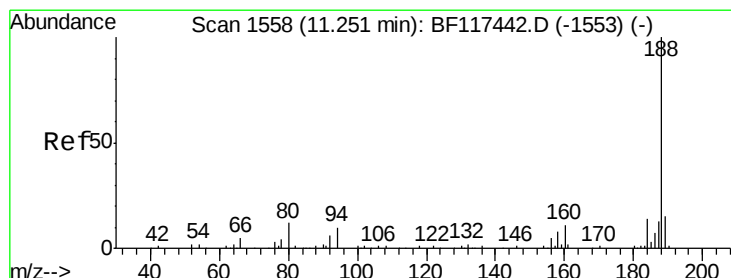
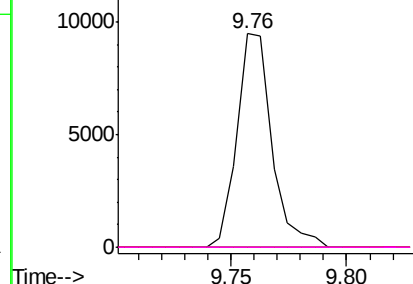
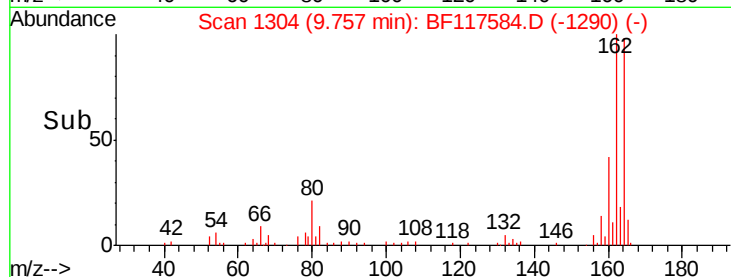
#57
 2,4-Dinitrotoluene
 Concen: 6.139 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:165 Resp: 10051
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#

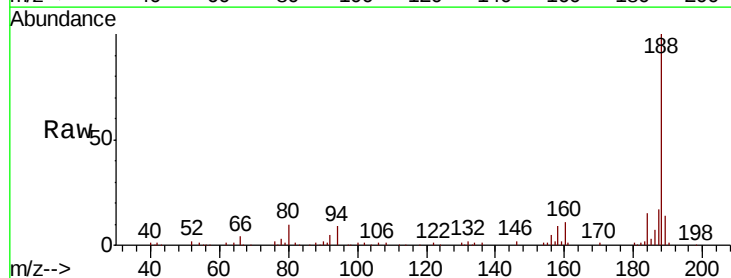


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

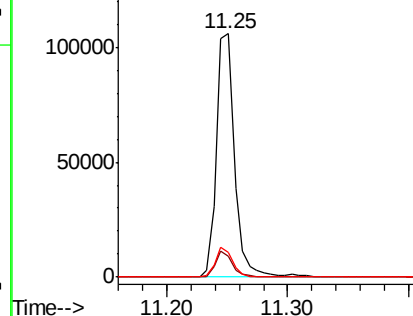
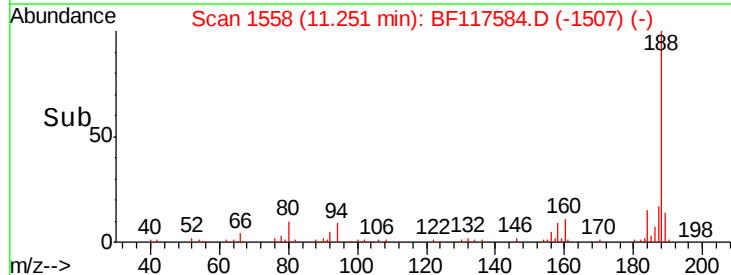


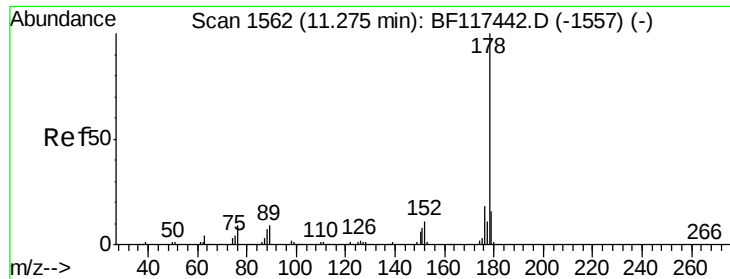
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion:188 Resp: 109532
 Ion Ratio Lower Upper
 188 100
 94 8.7 8.0 12.0
 80 10.3 9.5 14.3



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

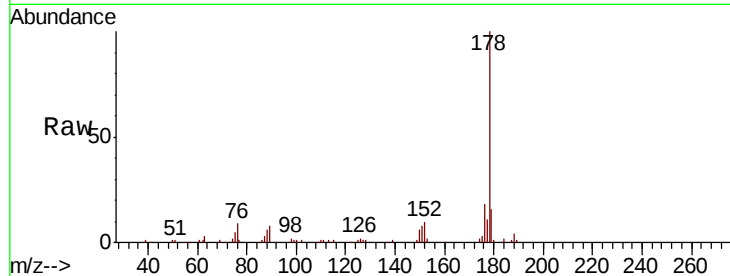




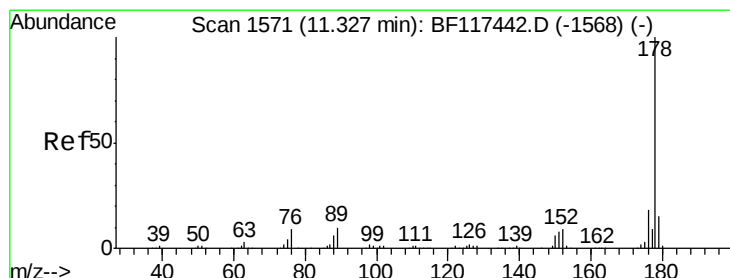
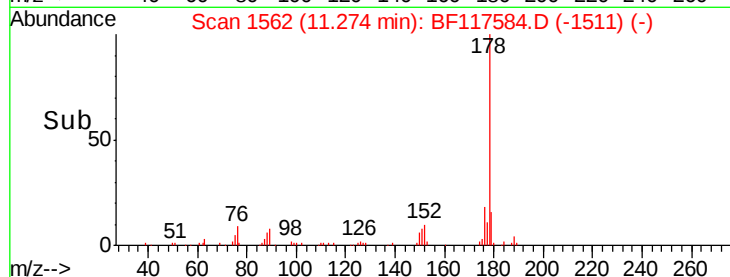
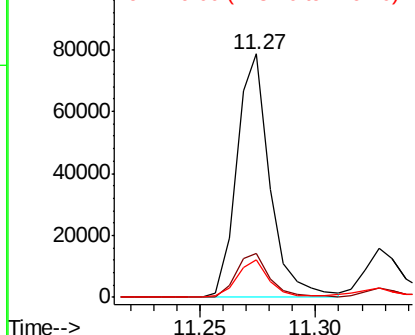
#71
Phenanthrene
Concen: 12.366 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 78650
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 15.6 12.6 19.0

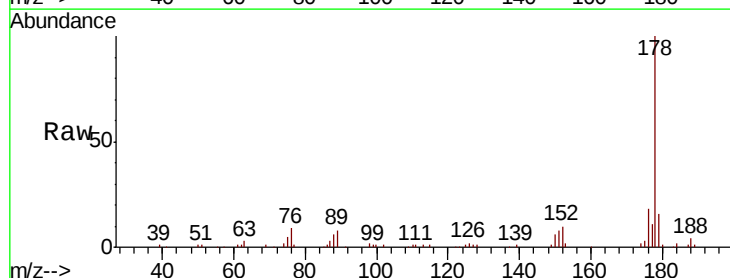


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

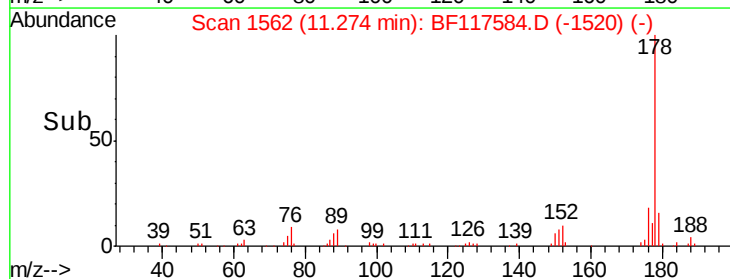
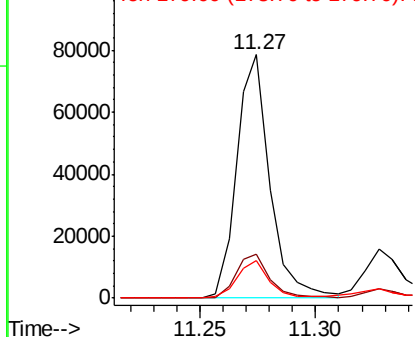


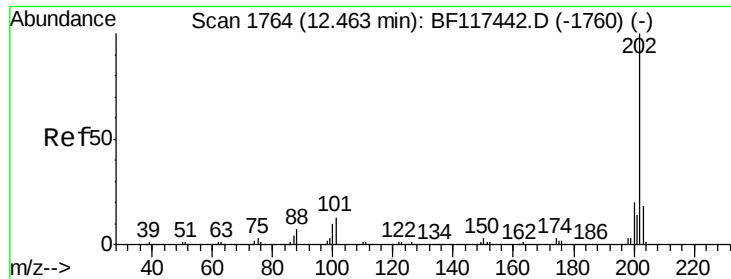
#72
Anthracene
Concen: 12.052 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion:178 Resp: 78650
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.6 12.2 18.2



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: 24.176 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

ClientSampleId :

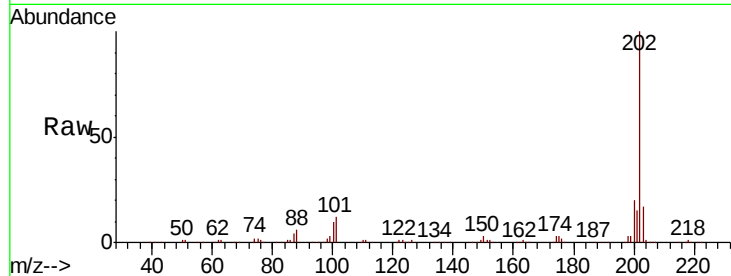
Tot Ion:202 Resp: 153929

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.7

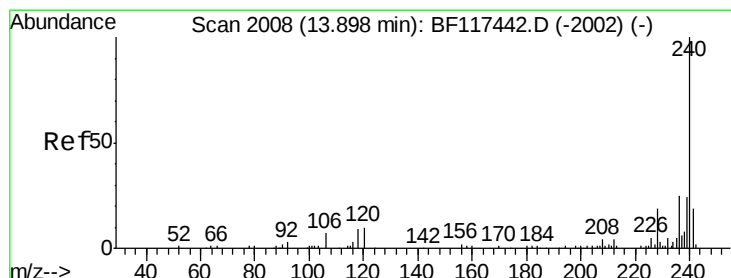
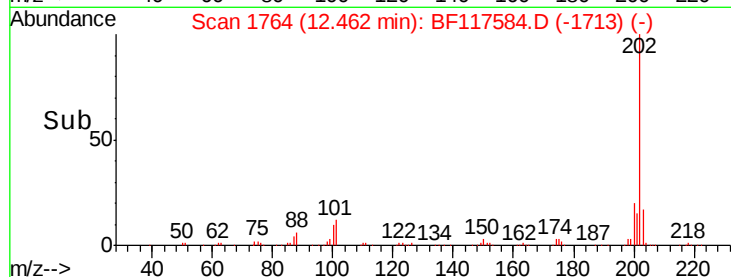
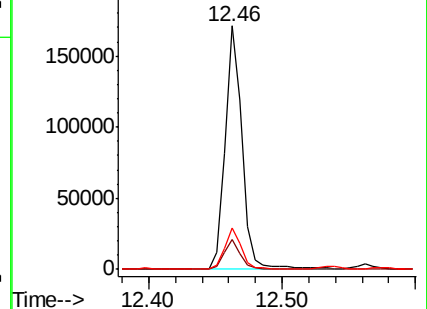
203 16.8 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

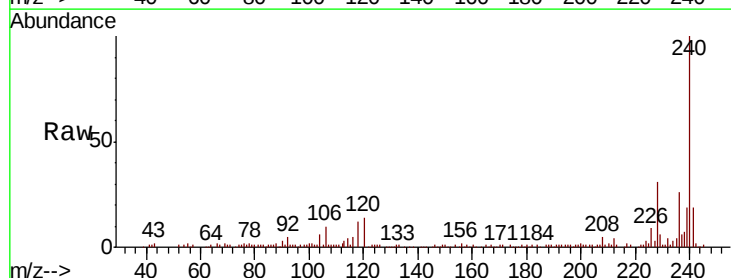
Tgt Ion:240 Resp: 86313

Ion Ratio Lower Upper

240 100

120 14.3 8.4 12.6#

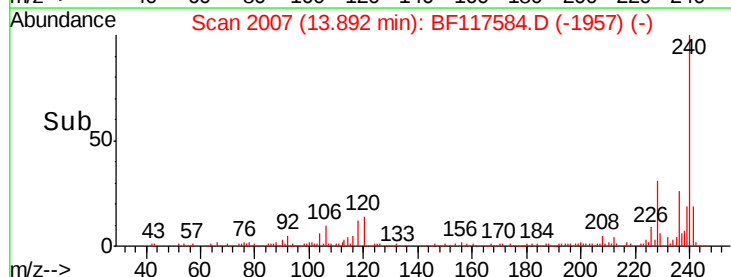
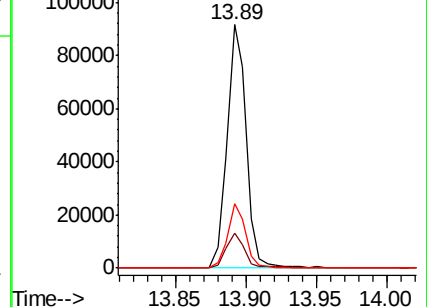
236 26.3 20.0 30.0

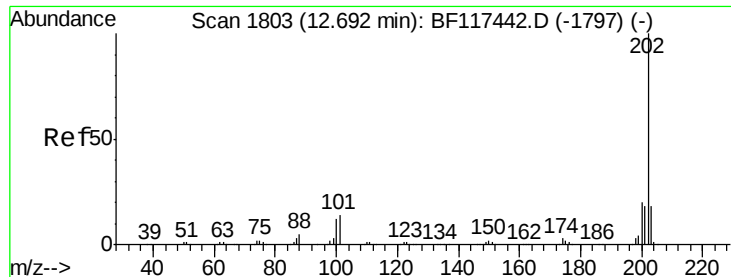


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

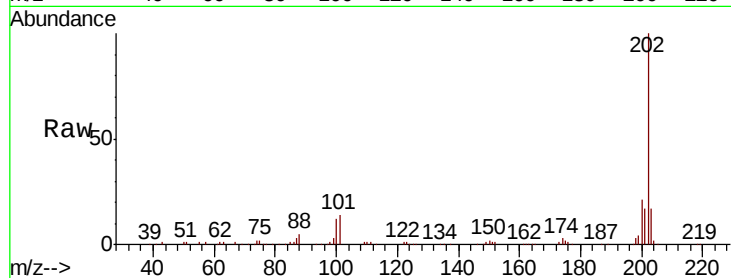




#78
Pvrene
Concen: 18.491 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.2
203	17.1	14.0	21.0

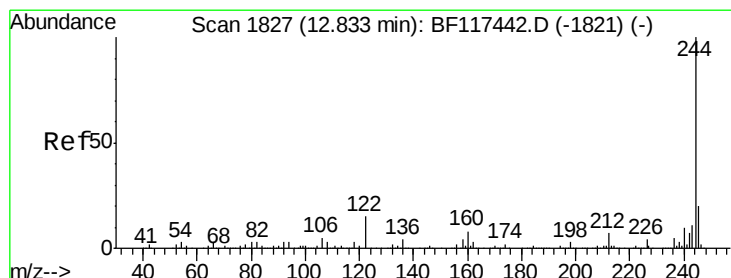
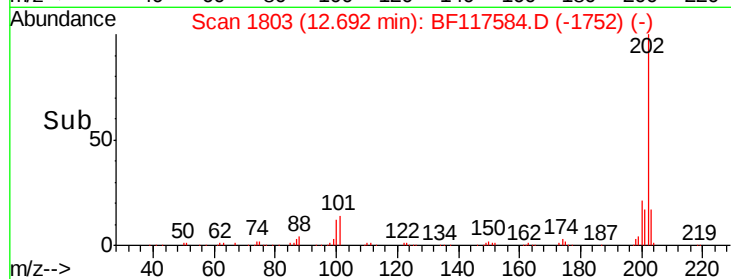
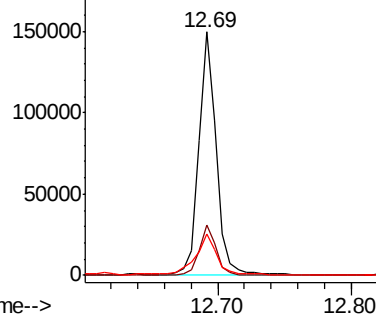


Abundance

Ion 202.00 (201.70 to 202.70): E

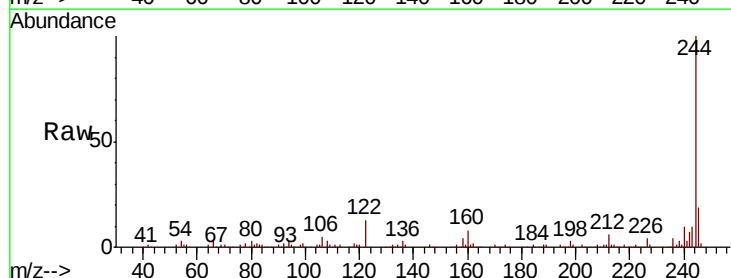
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 24.532 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117584.D
Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	12.8	11.8	17.8

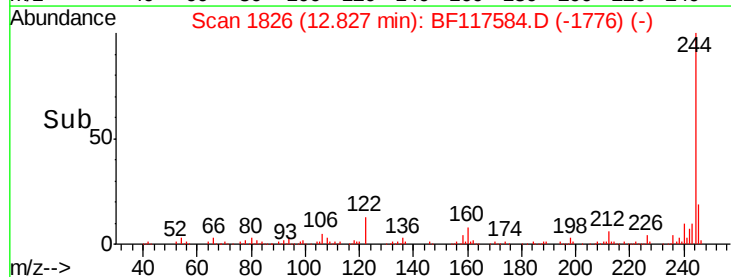
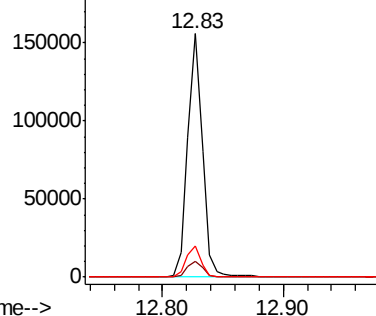


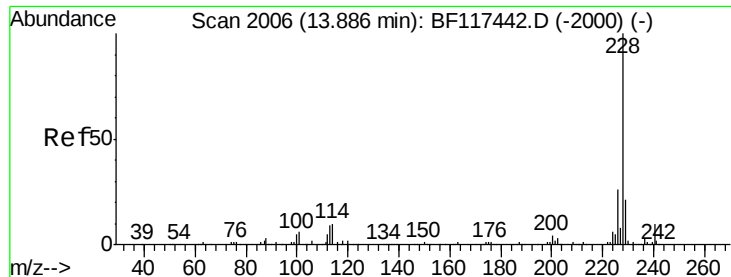
Abundance

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





#81

Benzo(a)anthracene

Concen: 13.125 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

ClientSampled :

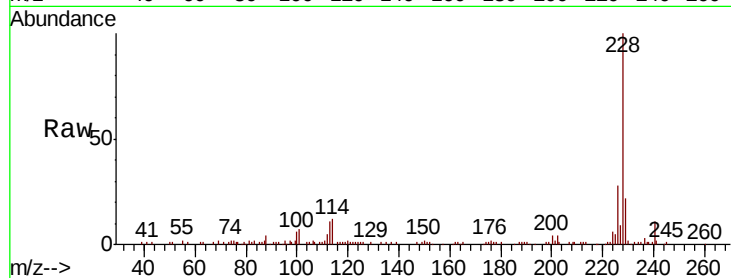
Tot Ion:228 Resp: 76418

Ion Ratio Lower Upper

228 100

226 28.1 21.0 31.4

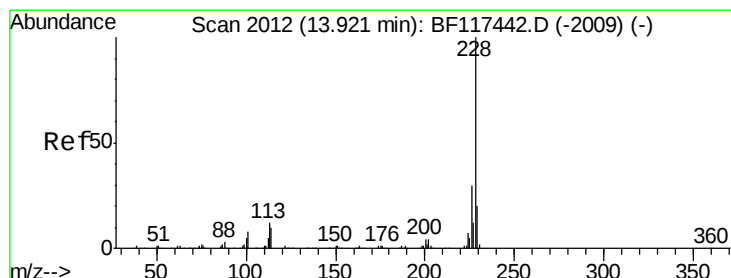
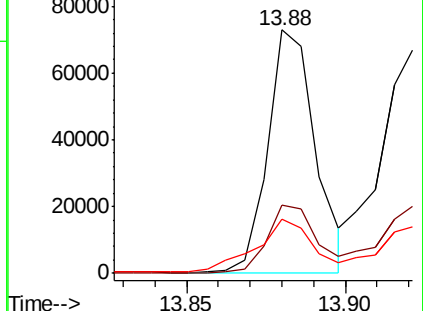
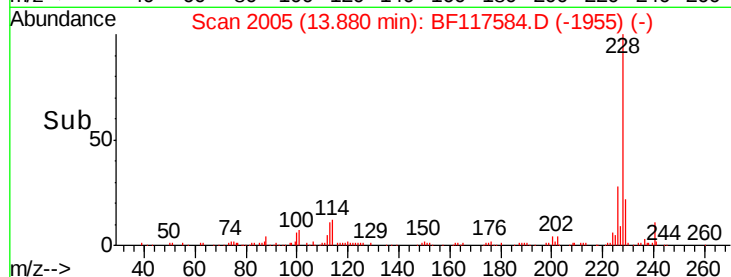
229 22.1 16.4 24.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 12.788 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

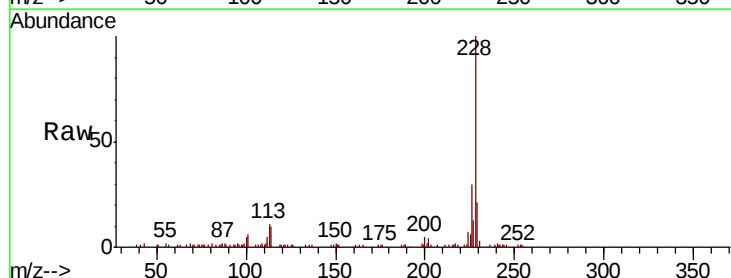
Tgt Ion:228 Resp: 72968

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

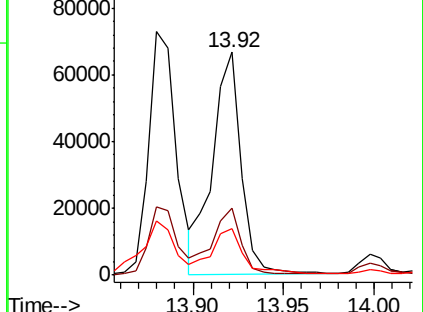
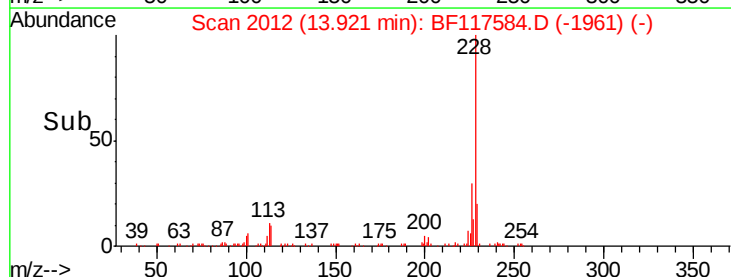
229 21.0 15.8 23.6

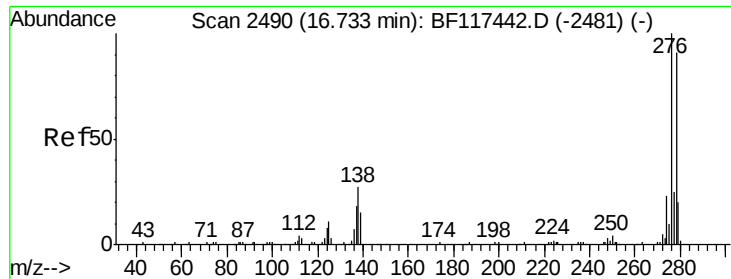


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

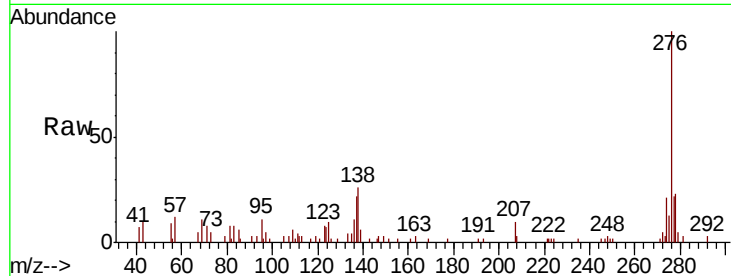




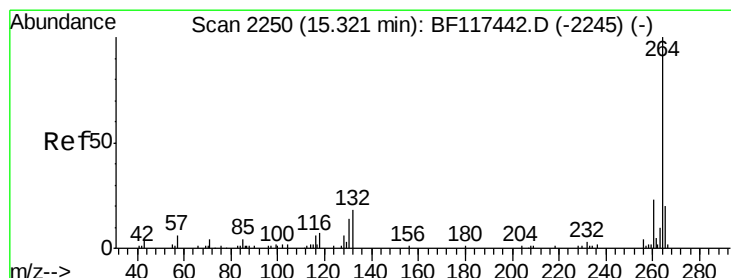
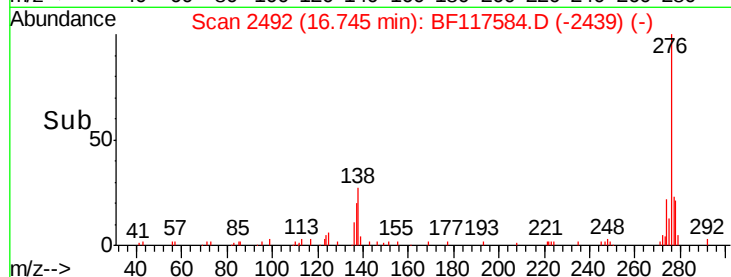
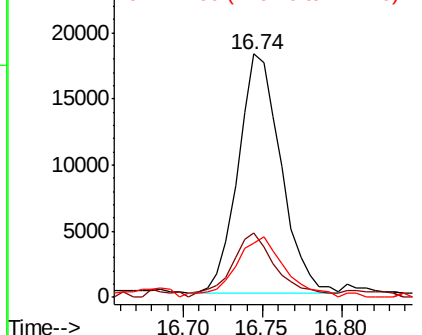
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 7.930 ng
 RT: 16.74 min Scan# 2492
 Delta R.T. 0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.8
277	29.2	20.0	30.0

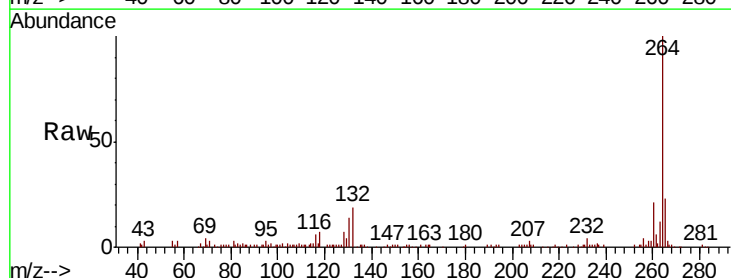


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

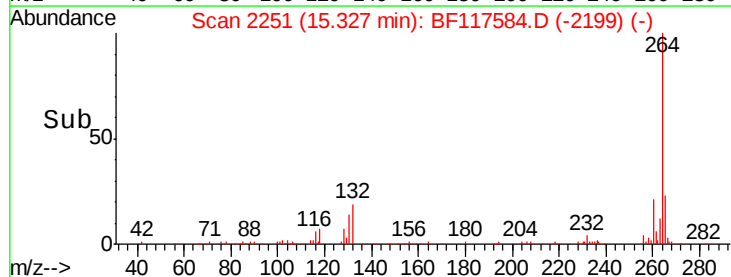
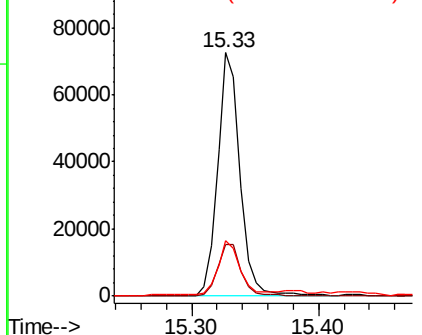


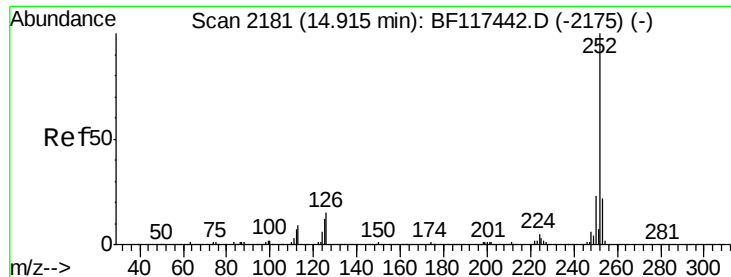
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117584.D
 Acq: 29 Oct 2019 12:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.4	27.6
265	22.6	16.1	24.1



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: 23.617 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117584.D

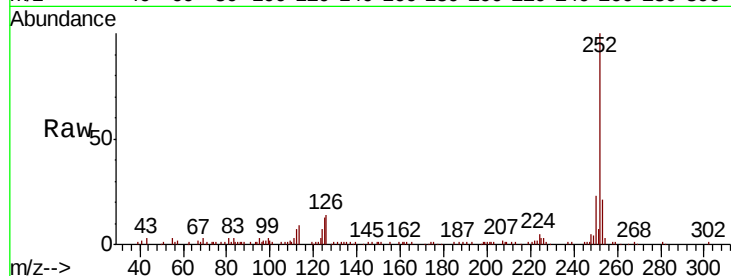
Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	125053
Ion Ratio	Lower	Upper
252	100	
253	21.3	17.8 26.6
125	13.0	9.9 14.9

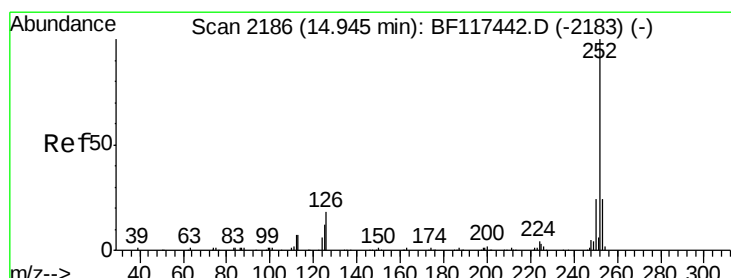
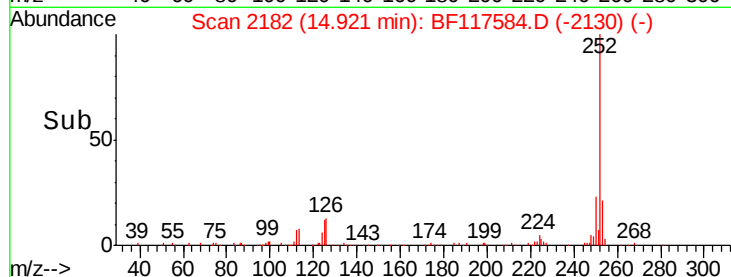
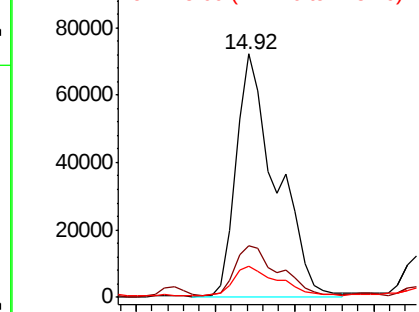


Abundance

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: 23.042 ng

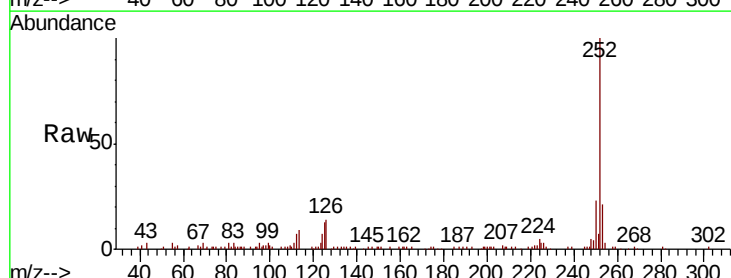
RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Tgt Ion:252	Resp:	125053
Ion Ratio	Lower	Upper
252	100	
253	21.3	18.0 27.0
125	13.0	8.9 13.3

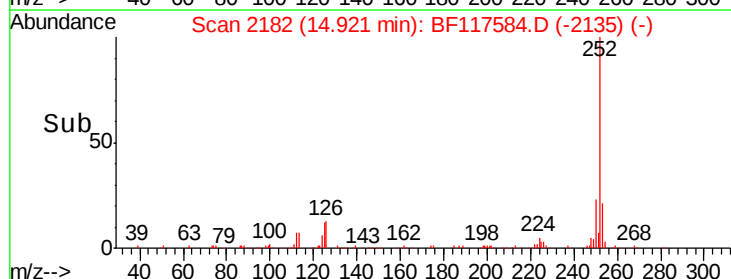
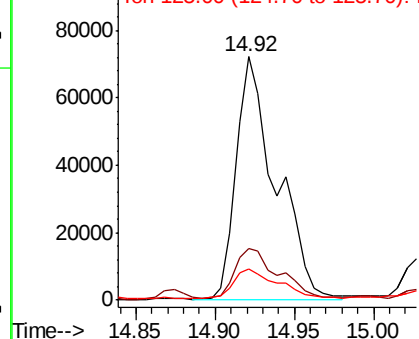


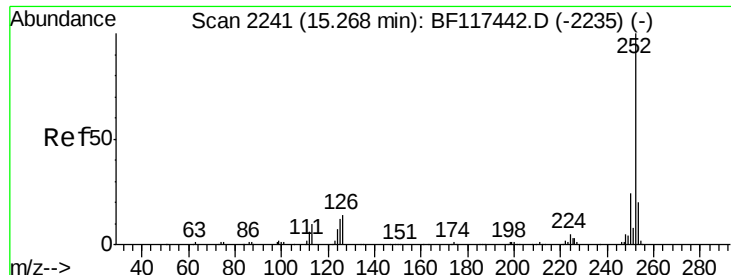
Abundance

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





#90

Benzo(a)pyrene

Concen: 14.048 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117584.D

Acq: 29 Oct 2019 12:17

Instrument :

BNA_F

ClientSampleId :

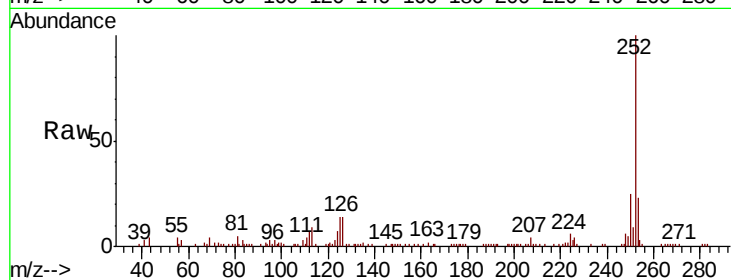
Tot Ion:252 Resp: 67630

Ion Ratio Lower Upper

252 100

253 23.5 16.3 24.5

125 14.1 9.2 13.8#



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

