

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117299.D
 Acq On : 2 Oct 2019 15:05
 Operator : JU
 Sample : K5144-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:30:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	28053	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	112692	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	57459	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	93783	20.00	ng	0.00
76) Chrysene-d12	13.97	240	74966	20.00	ng	0.00
87) Perylene-d12	15.43	264	61970	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	142850	79.50	ng	-0.01
7) Phenol-d6	6.45	99	191289	82.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	113485	52.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	38075	79.29	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	209576	57.03	ng	-0.01
79) Terphenyl-d14	12.91	244	213586	53.26	ng	0.00

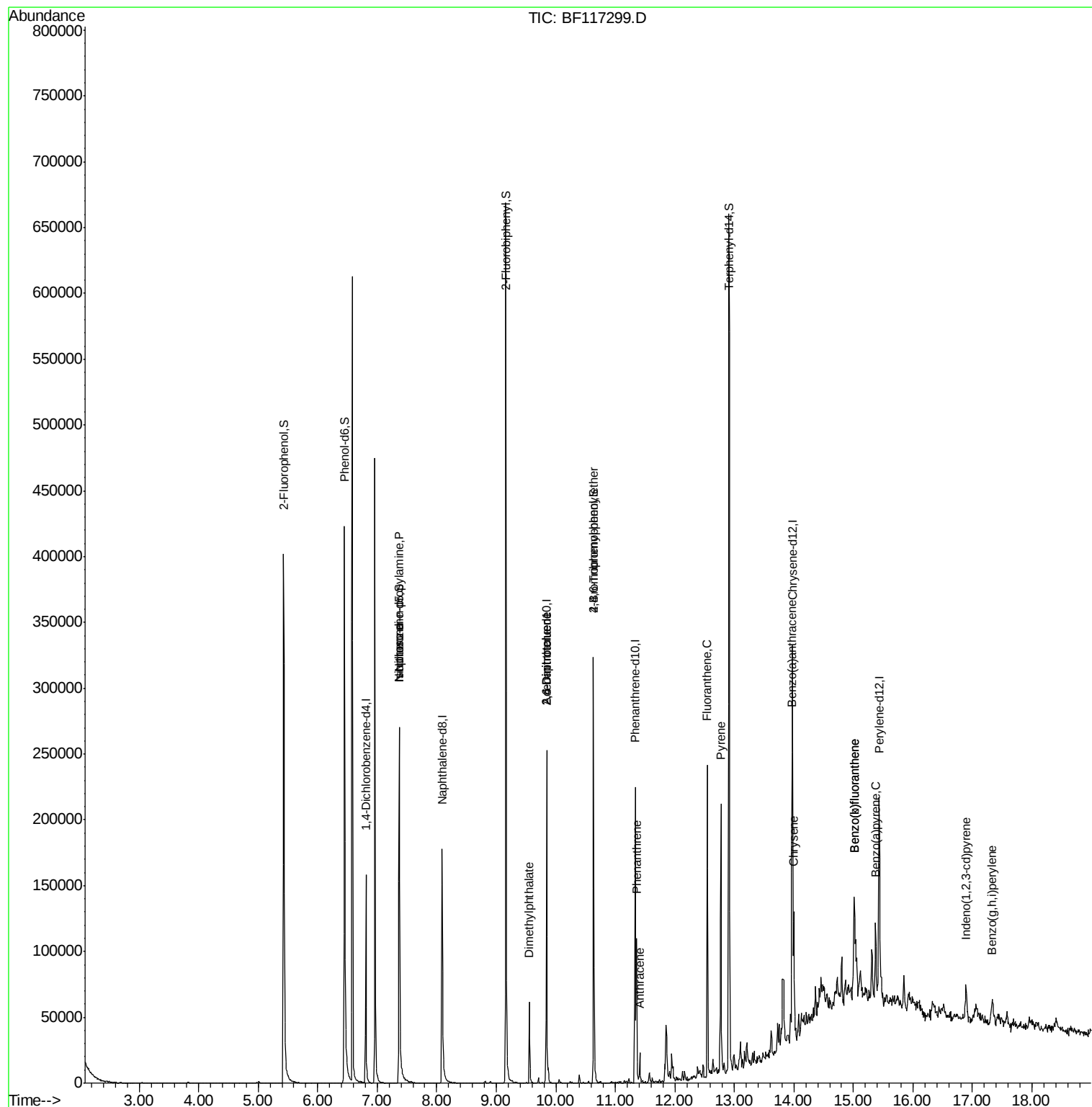
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	3396	Below Cal		# 79
19) n-Nitroso-di-n-propylamine	7.37	70	14417	10.196	ng	# 79
25) Isophorone	7.37	82	113484	29.884	ng	# 66
50) Dimethylphthalate	9.56	163	27227	6.692	ng	97
51) 2,6-Dinitrotoluene	9.85	165	7336	8.854	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	7336	6.821	ng	# 18
67) 4-Bromophenyl-phenylether	10.63	248	2379	2.484	ng	# 1
71) Phenanthrene	11.36	178	45112	8.469	ng	99
72) Anthracene	11.41	178	13441	2.472	ng	98
75) Fluoranthene	12.54	202	93249	17.037	ng	98
78) Pyrene	12.77	202	84037	13.360	ng	97
81) Benzo(a)anthracene	13.96	228	42662	8.518	ng	99
83) Chrysene	14.00	228	38824	7.948	ng	95
86) Indeno(1,2,3-cd)pyrene	16.89	276	14715	4.129	ng	97
88) Benzo(b)fluoranthene	15.01	252	55158	14.694	ng	# 97
89) Benzo(k)fluoranthene	15.01	252	55158	15.512	ng	# 97
90) Benzo(a)pyrene	15.37	252	26754	8.122	ng	# 89
92) Benzo(a,h,i)perylene	17.33	276	13184	5.042	ng	# 93

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

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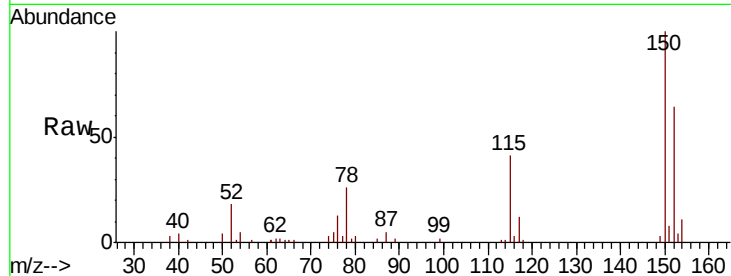


#1

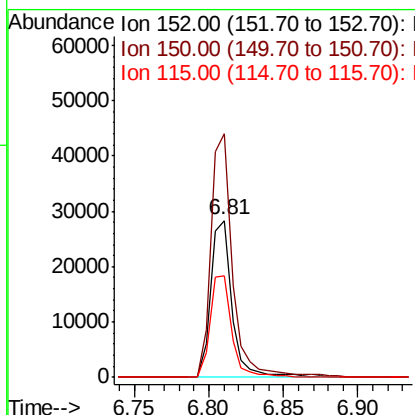
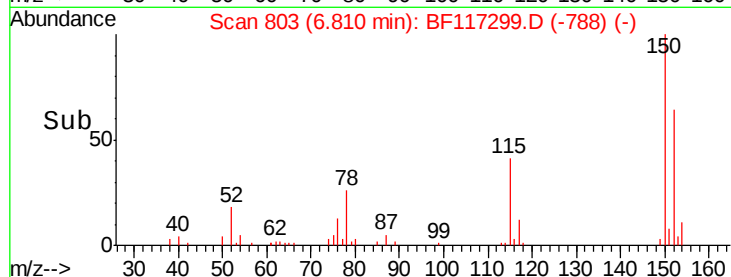
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 28053
Ion Ratio Lower Upper
152 100
150 155.5 127.5 191.3
115 64.5 55.0 82.4



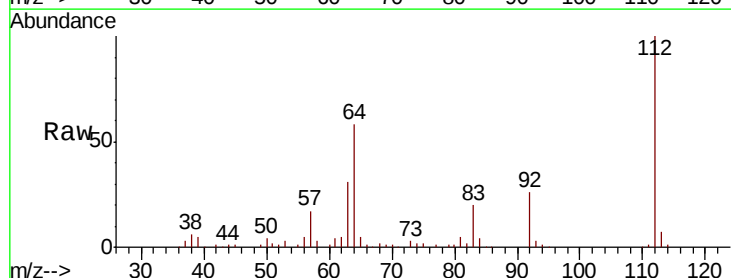
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



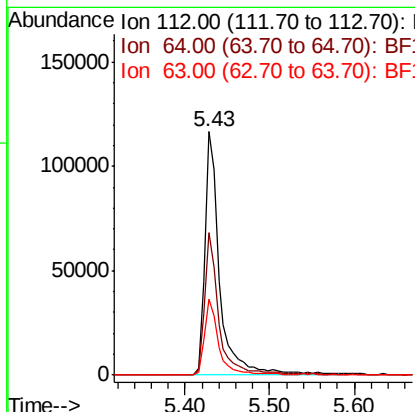
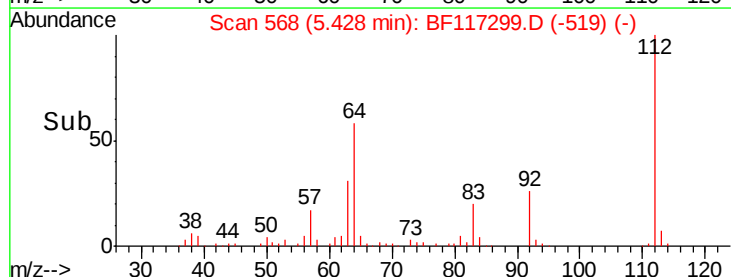
#5

2-Fluorophenol
Concen: 79.501 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion:112 Resp: 142850
Ion Ratio Lower Upper
112 100
64 58.5 45.7 68.5
63 31.4 24.9 37.3



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: 82.376 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

ClientSampleId :

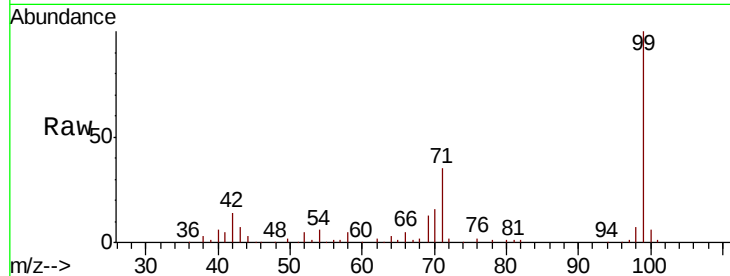
Tot Ion: 99 Resp: 191289

Ion Ratio Lower Upper

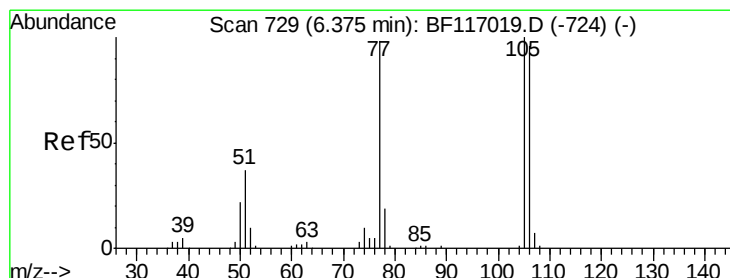
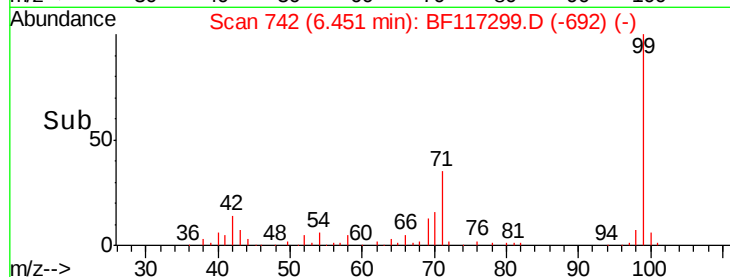
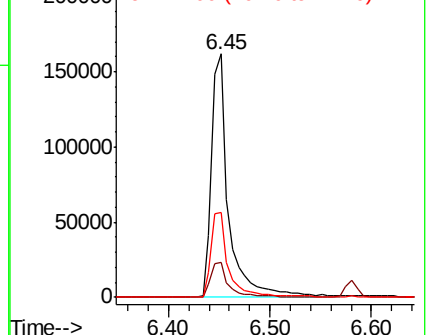
99 100

42 14.4 12.2 18.2

71 34.7 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

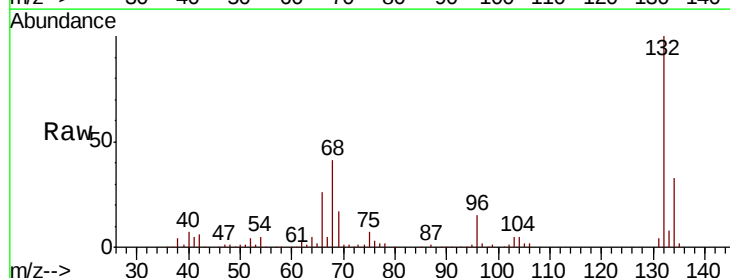
Tgt Ion: 77 Resp: 3396

Ion Ratio Lower Upper

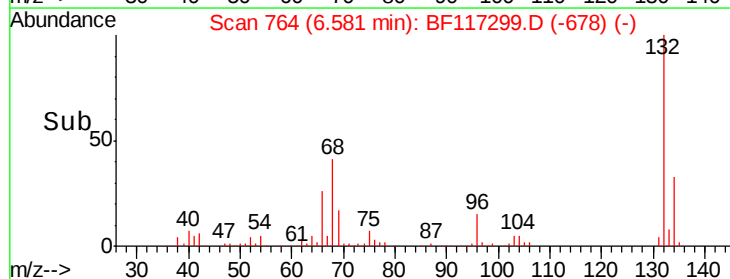
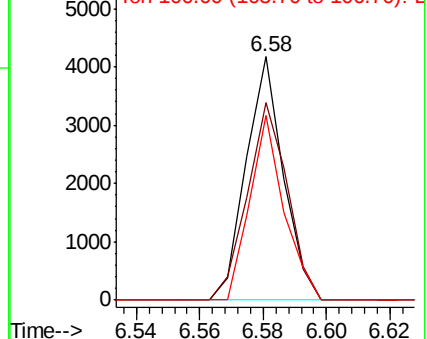
77 100

105 80.9 81.8 121.8#

106 75.8 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

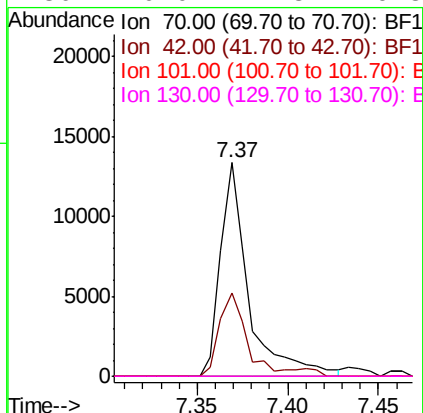
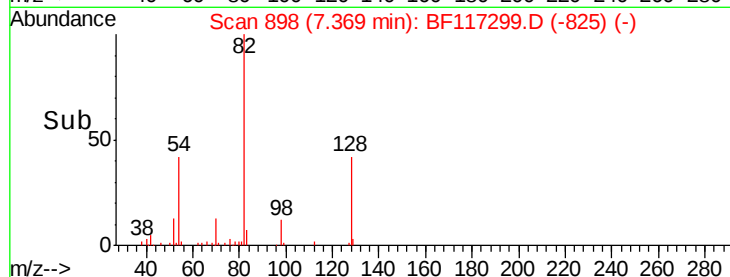
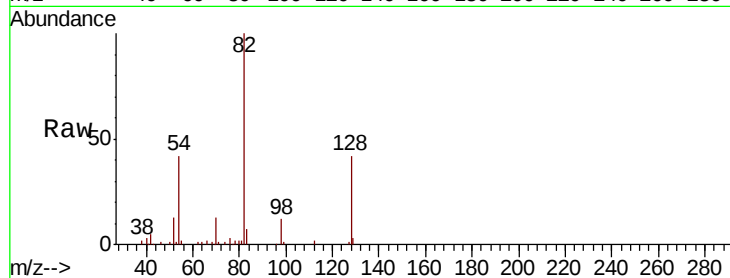




#19
n-Nitroso-di-n-propylamine
Concen: 10.196 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

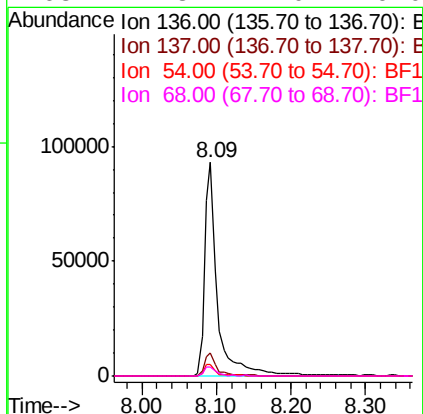
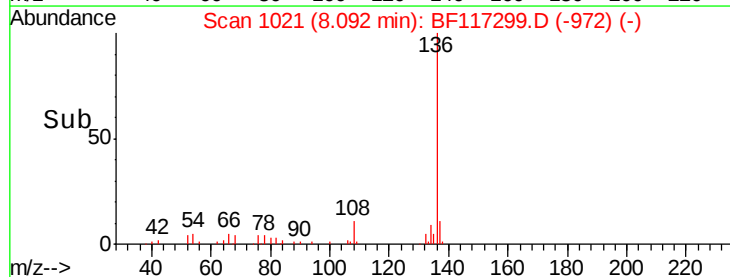
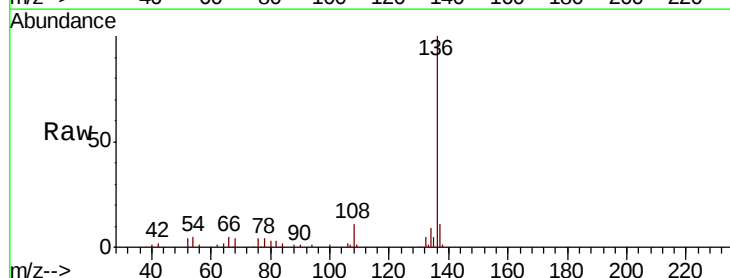
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 14417
Ion Ratio Lower Upper
70 100
42 38.9 34.0 51.0
101 0.0 7.8 11.6#
130 0.0 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion: 136 Resp: 112692
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 5.3 4.5 6.7
68 4.3 4.0 6.0

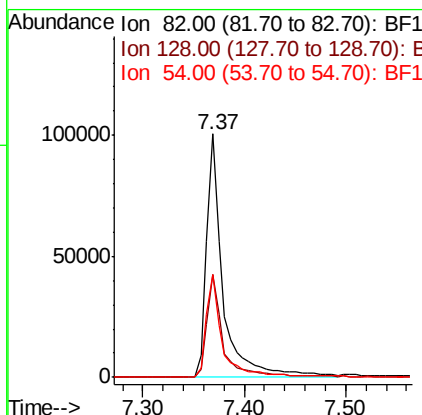
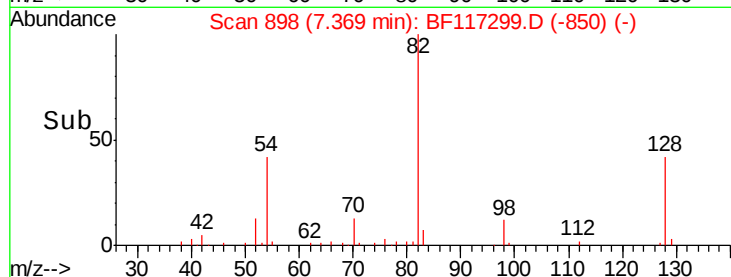
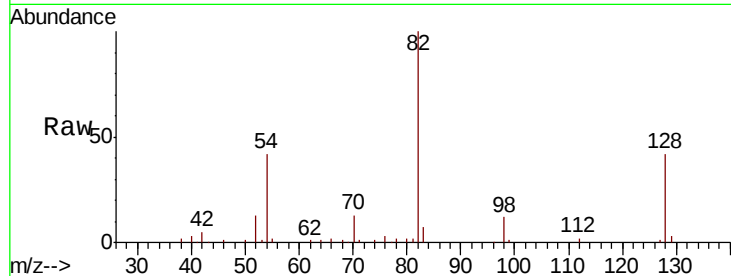




#23
Nitrobenzene-d5
Concen: 52.912 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

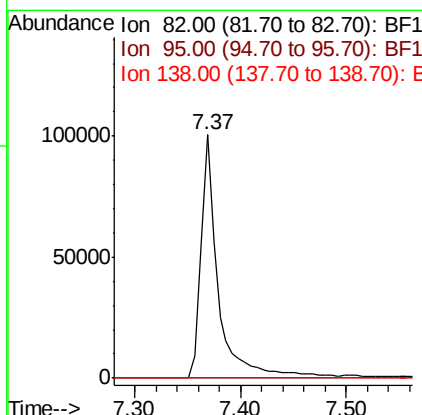
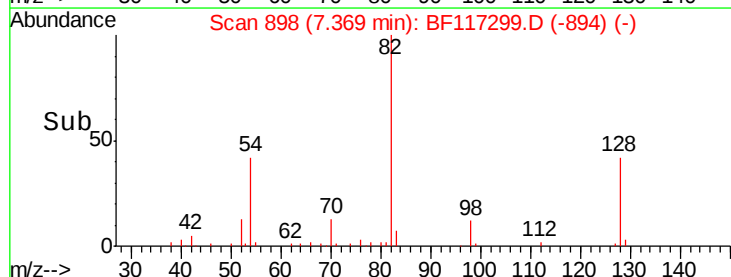
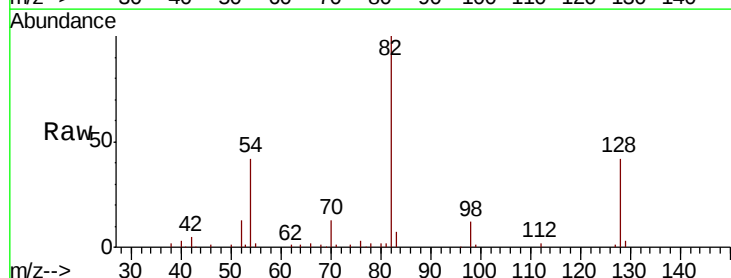
Instrument :
BNA_F
ClientSampleId :

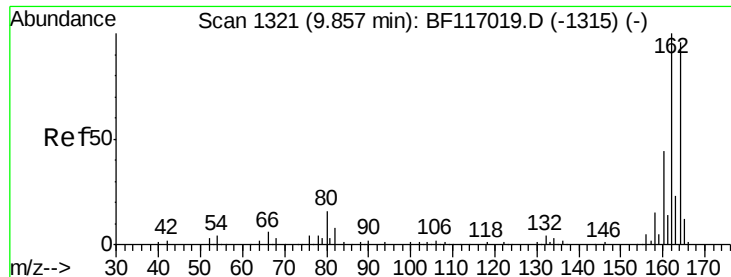
Tot Ion	82	Resp	113485
Ion Ratio	Lower	Upper	
82	100		
128	42.2	32.3	48.5
54	42.1	33.3	49.9



#25
Isophorone
Concen: 29.884 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	82	Resp	113484
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

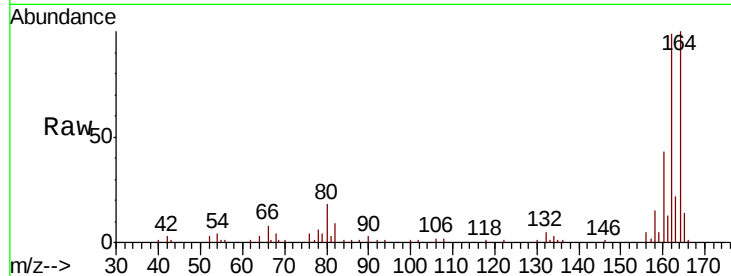




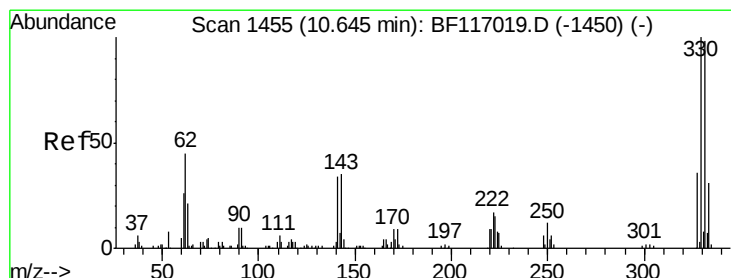
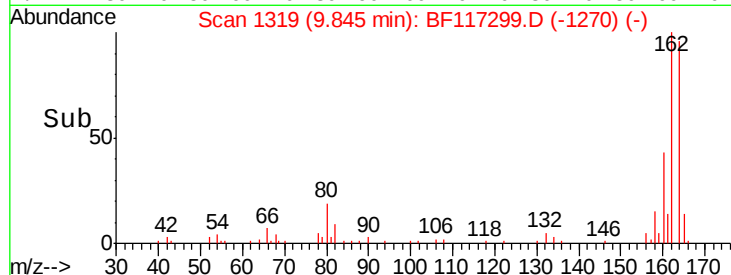
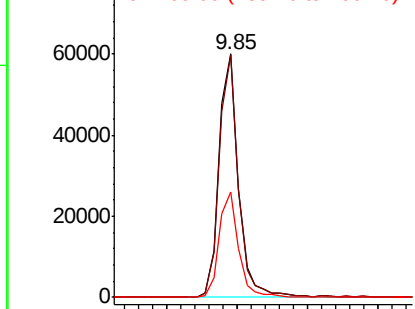
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 57459
Ion Ratio Lower Upper
164 100
162 99.3 83.4 125.2
160 43.2 36.4 54.6

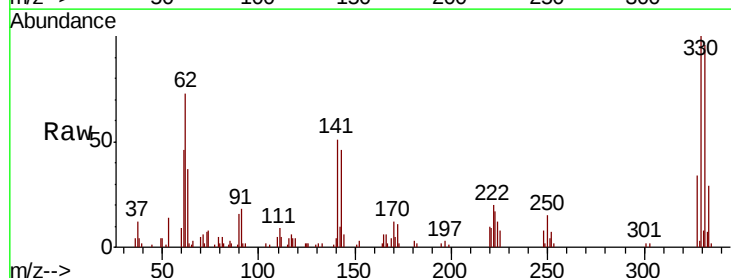


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

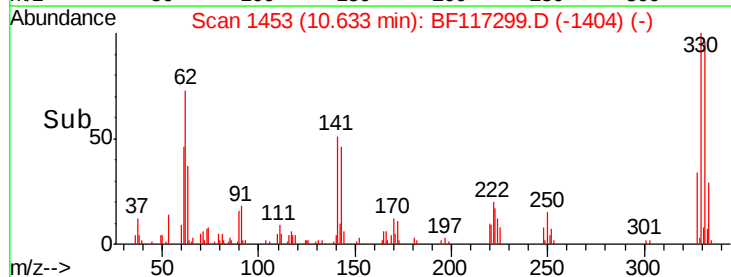
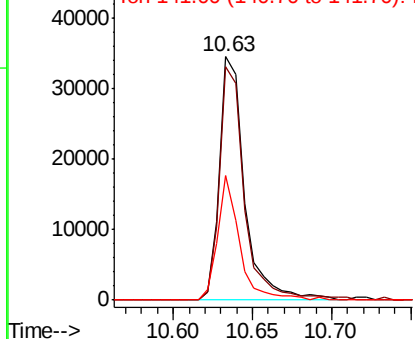


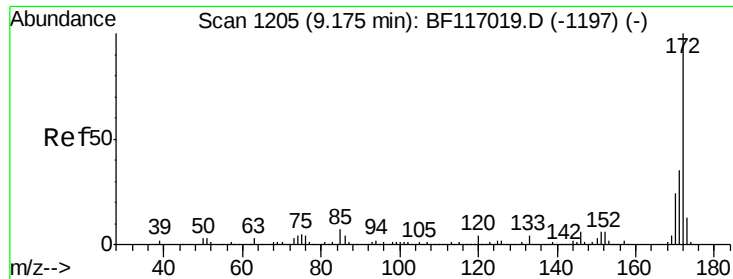
#42
2,4,6-Tribromophenol
Concen: 79.286 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion:330 Resp: 38075
Ion Ratio Lower Upper
330 100
332 95.0 78.0 117.0
141 44.0 35.8 53.6



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

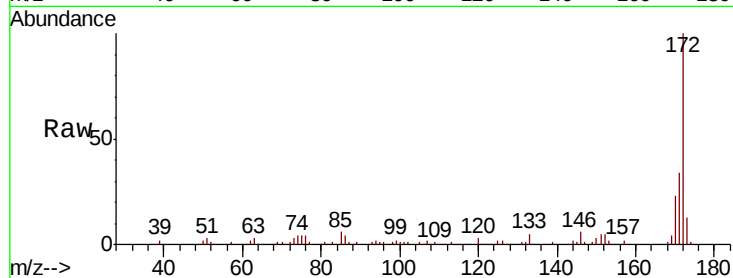




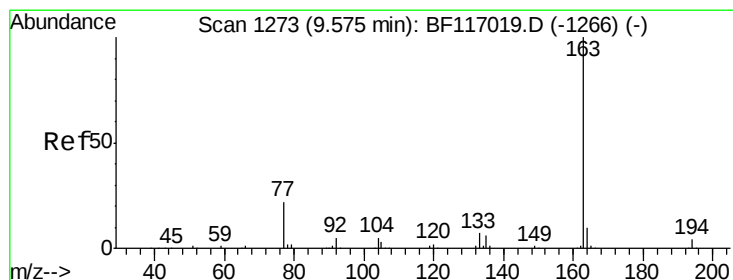
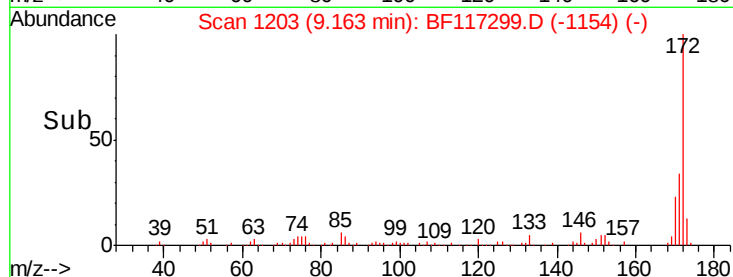
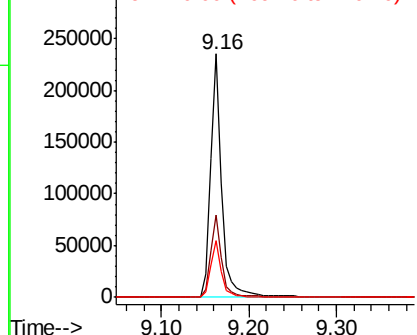
#45
2-Fluorobiphenyl
Concen: 57.030 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 209576
Ion Ratio Lower Upper
172 100
171 33.7 28.2 42.2
170 23.1 18.9 28.3

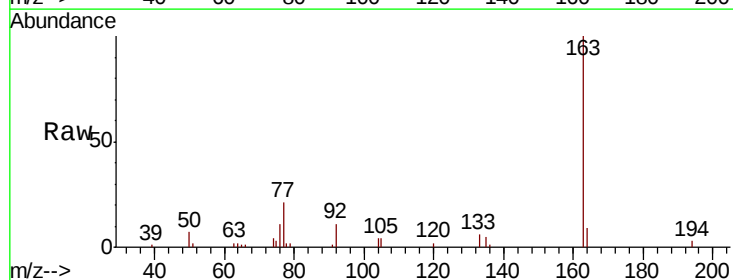


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

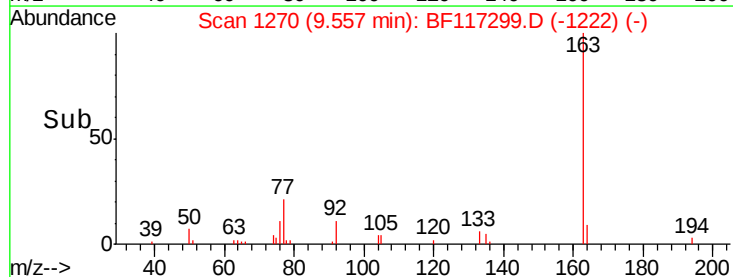
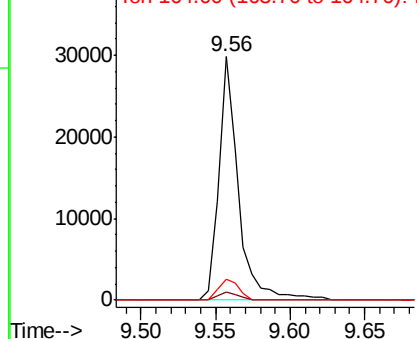


#50
Dimethylphthalate
Concen: 6.692 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion:163 Resp: 27227
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 8.7 8.2 12.4



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: 8.854 ng

RT: 9.85 min Scan# 1319

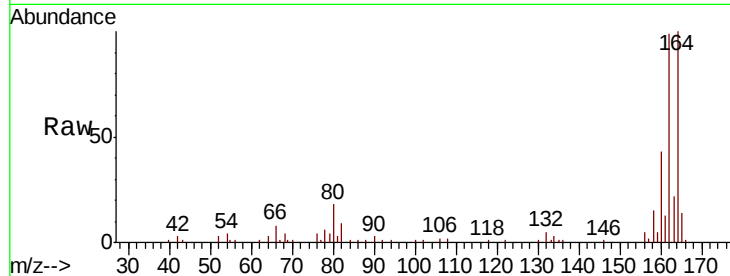
Delta R.T. 0.21 min

Lab File: BF117299.D

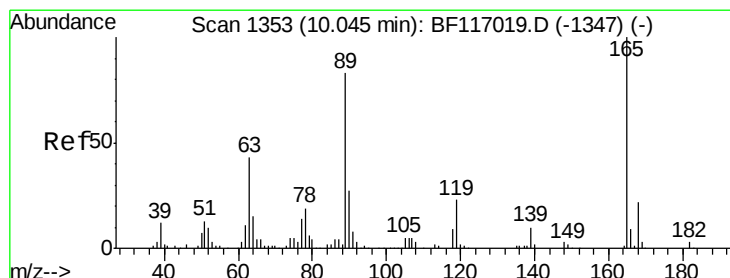
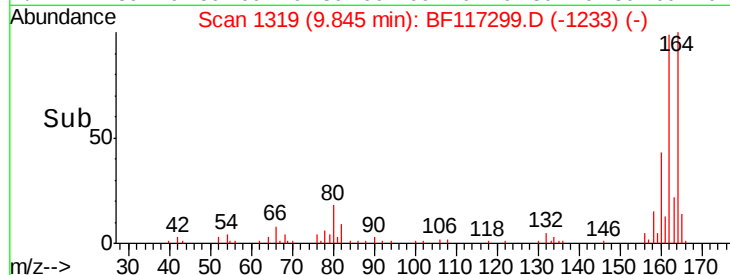
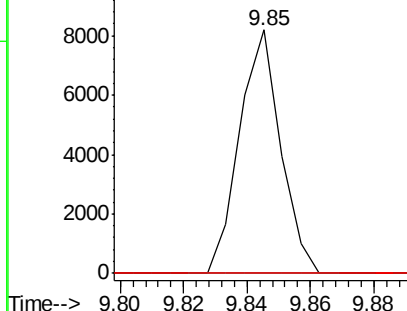
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	7336
Ion Ratio	Lower	Upper
165 100		
63 0.0	41.8	62.8#
89 0.0	46.5	69.7#



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: 6.821 ng

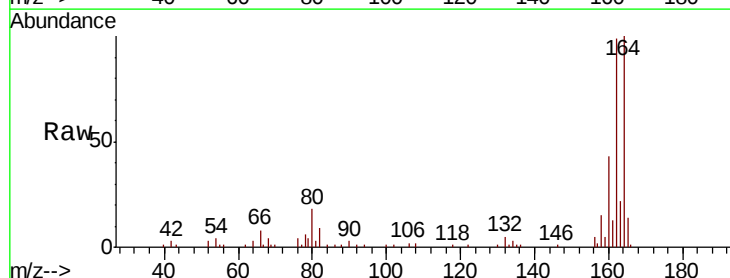
RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

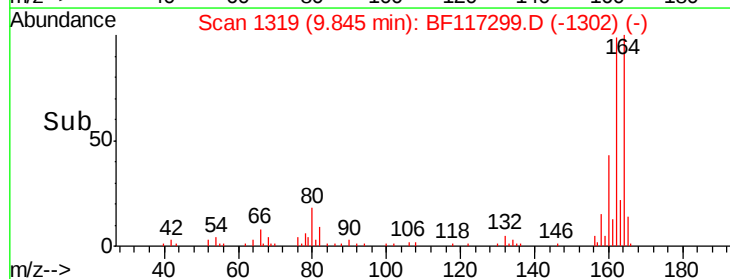
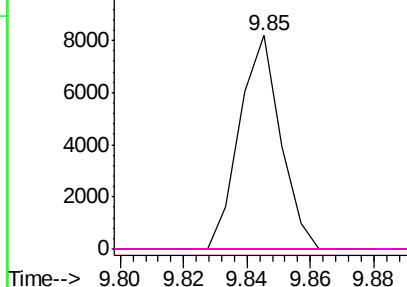
Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Tgt Ion:165	Resp:	7336
Ion Ratio	Lower	Upper
165 100		
63 0.0	35.0	52.4#
89 0.0	66.1	99.1#
182 0.0	2.0	3.0#



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

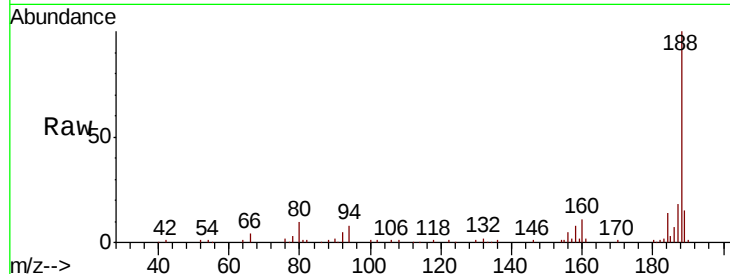




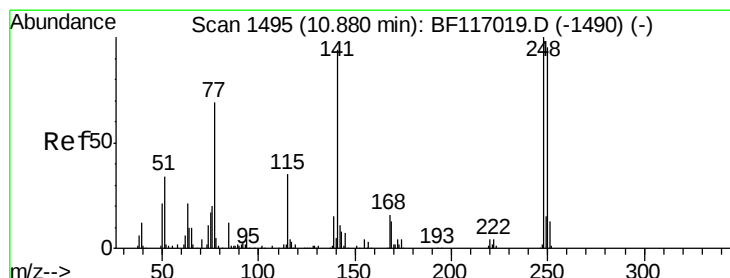
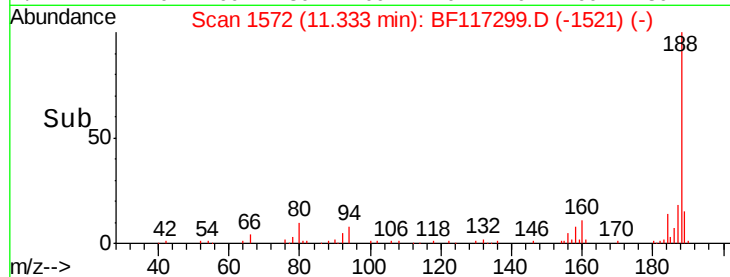
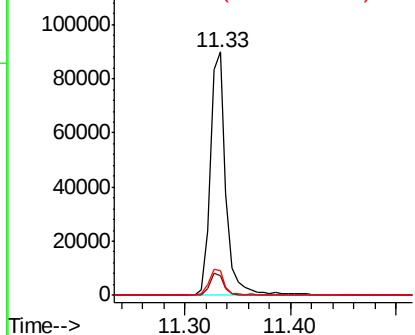
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 93783
Ion Ratio Lower Upper
188 100
94 8.1 8.2 12.2#
80 10.0 9.0 13.6

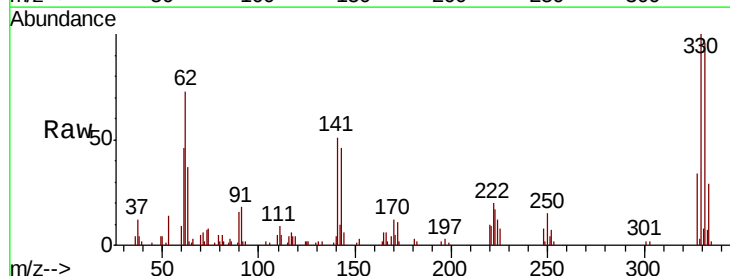


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

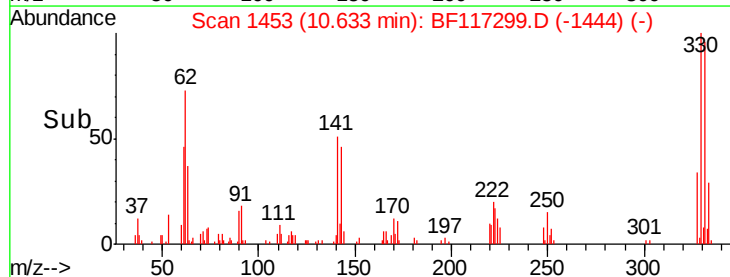
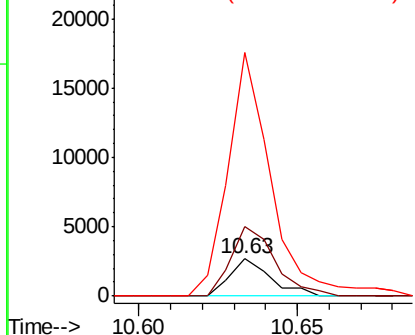


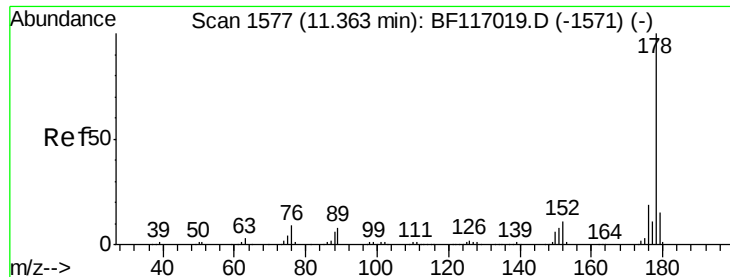
#67
4-Bromophenyl-phenylether
Concen: 2.484 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion:248 Resp: 2379
Ion Ratio Lower Upper
248 100
250 187.9 76.2 114.4#
141 659.1 75.0 112.4#



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

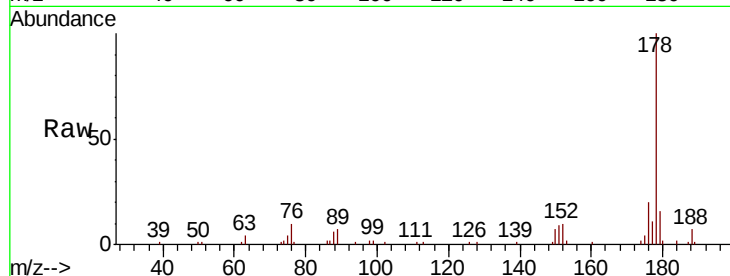




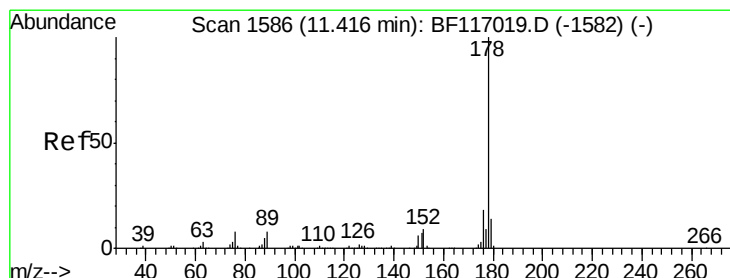
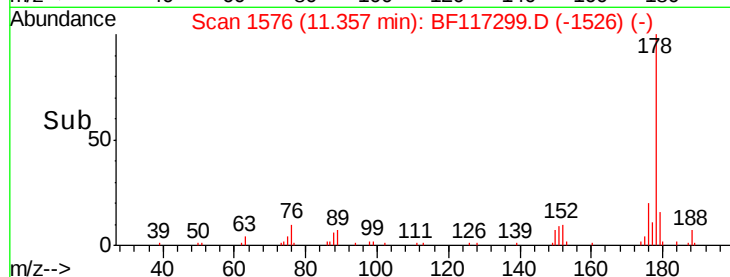
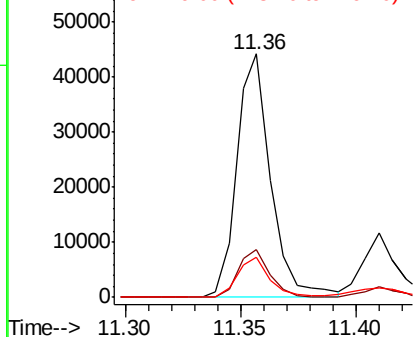
#71
Phenanthrene
Concen: 8.469 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 45112
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 16.3 12.4 18.6

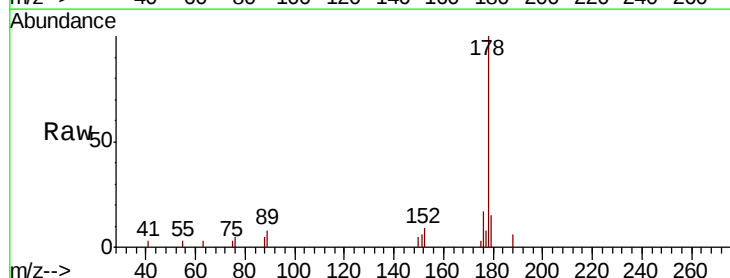


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

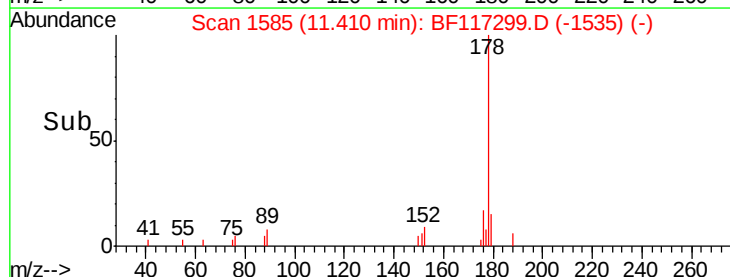
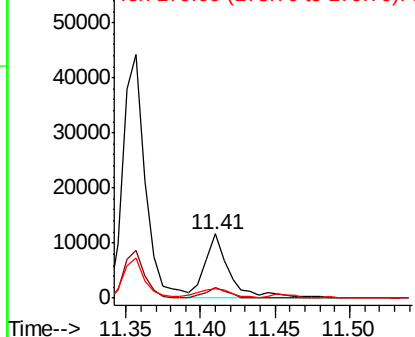


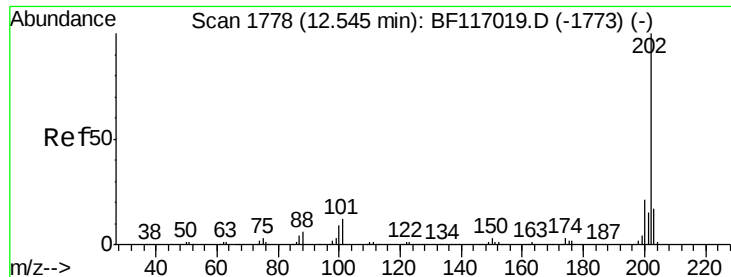
#72
Anthracene
Concen: 2.472 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion:178 Resp: 13441
Ion Ratio Lower Upper
178 100
176 16.7 14.6 21.8
179 14.8 11.6 17.4



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: 17.037 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

ClientSampleId :

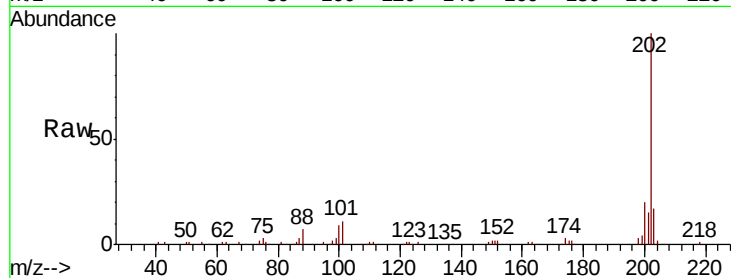
Tot Ion:202 Resp: 93249

Ion Ratio Lower Upper

202 100

101 10.8 0.0 32.3

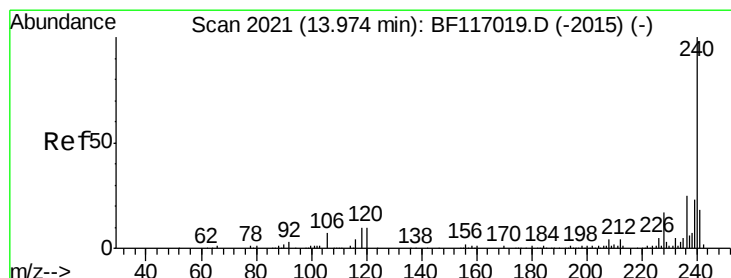
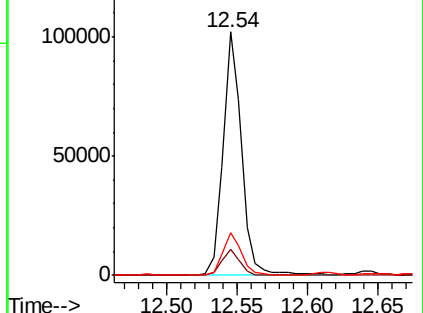
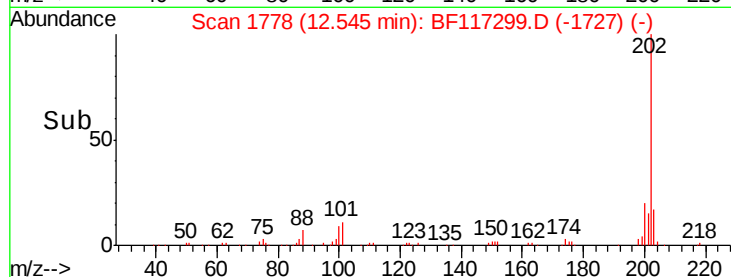
203 17.3 0.0 37.1



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: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

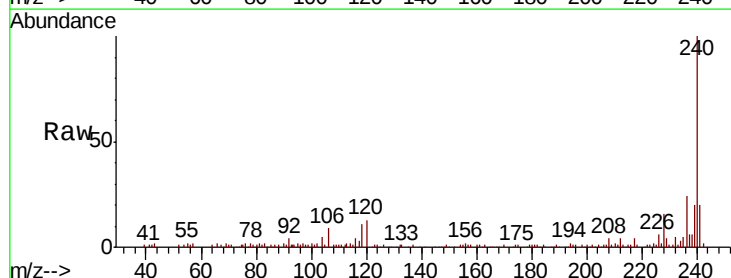
Tgt Ion:240 Resp: 74966

Ion Ratio Lower Upper

240 100

120 12.7 8.3 12.5#

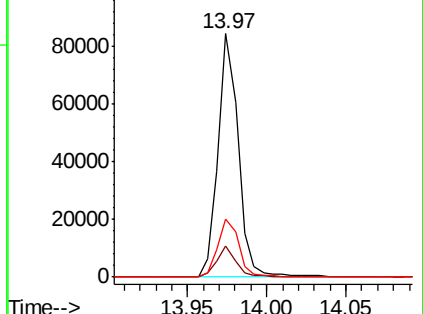
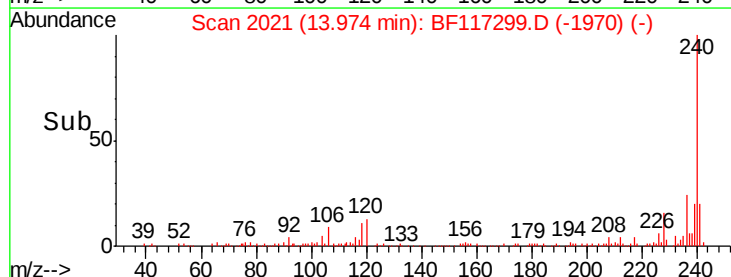
236 23.6 20.3 30.5

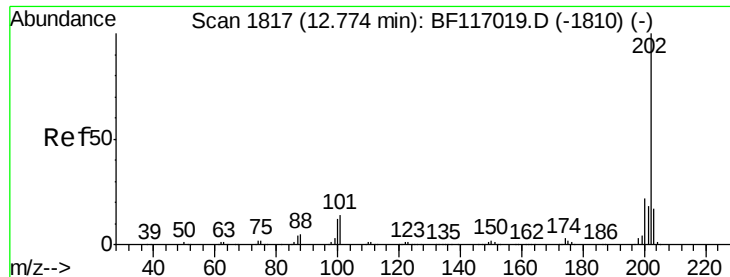


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

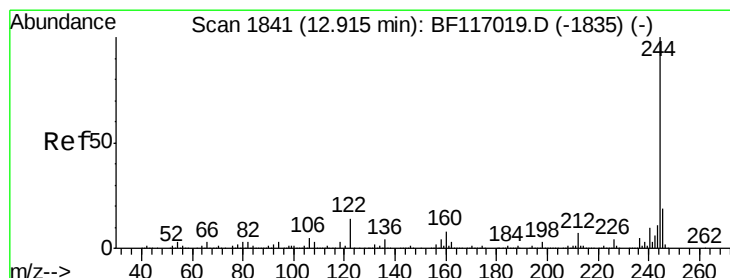
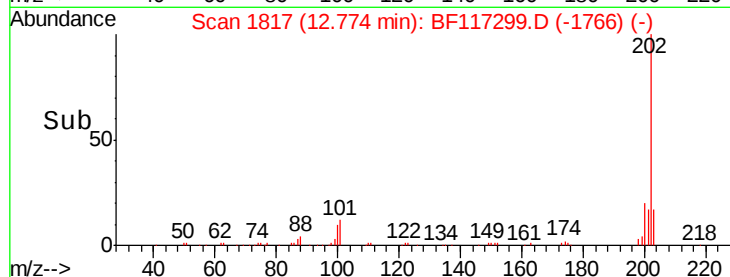
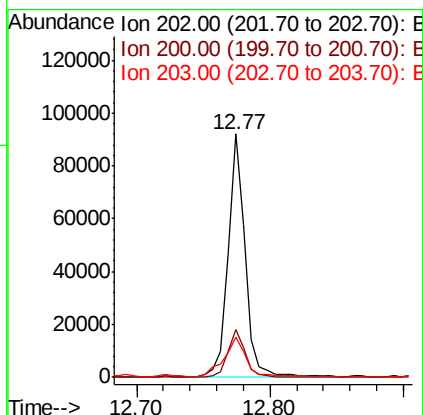
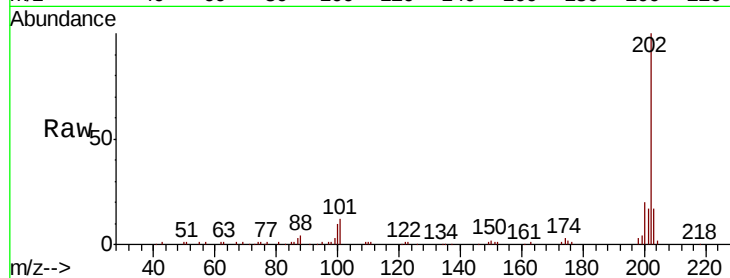




#78
Pvrene
Concen: 13.360 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

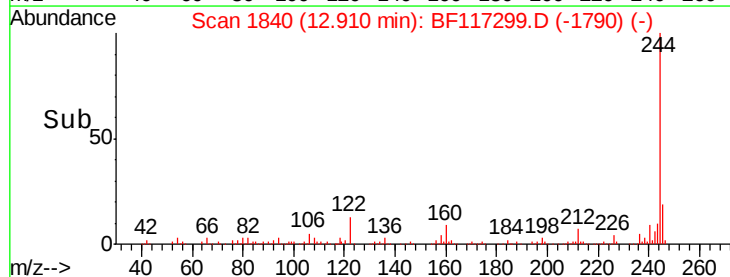
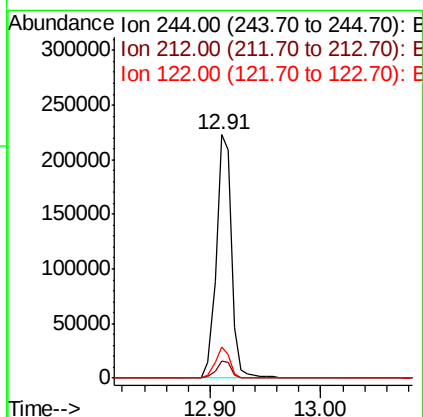
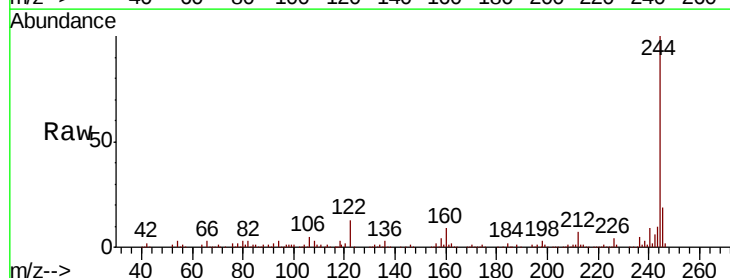
Instrument :
BNA_F
ClientSampleId :

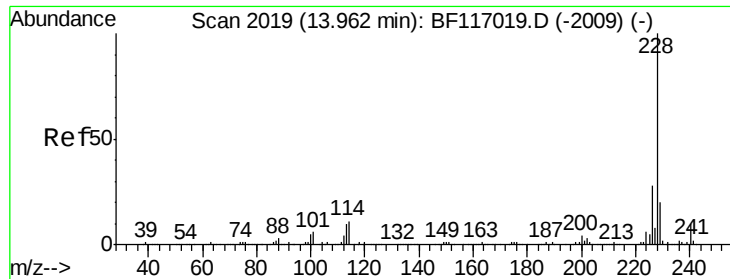
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.2	25.8
203	16.6	14.0	21.0



#79
Terphenyl-d14
Concen: 53.256 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.6	11.3	16.9

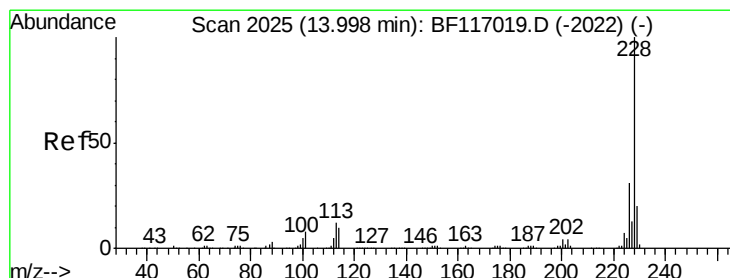
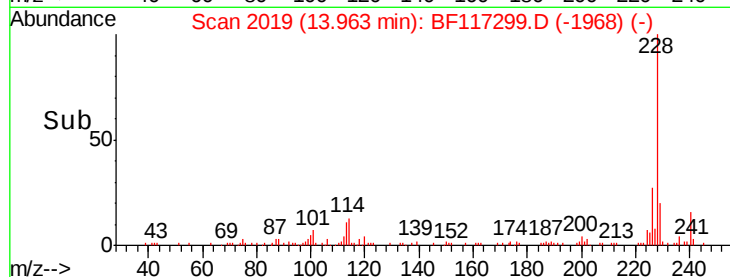
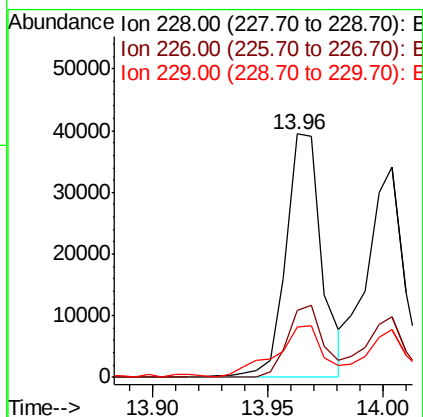
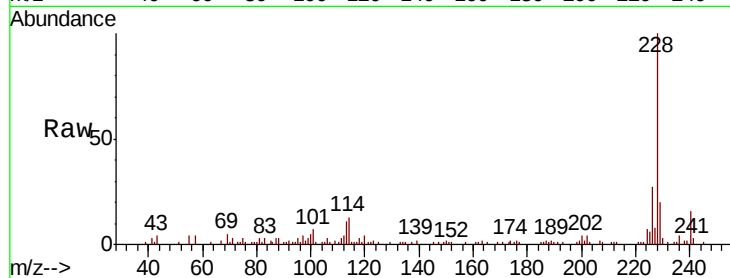




#81
Benzo(a)anthracene
Concen: 8.518 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

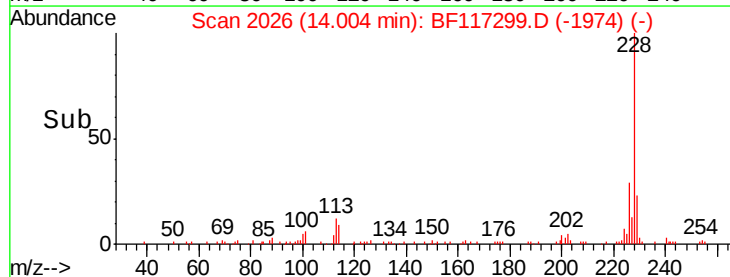
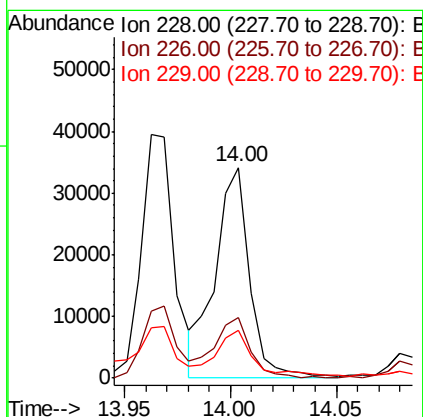
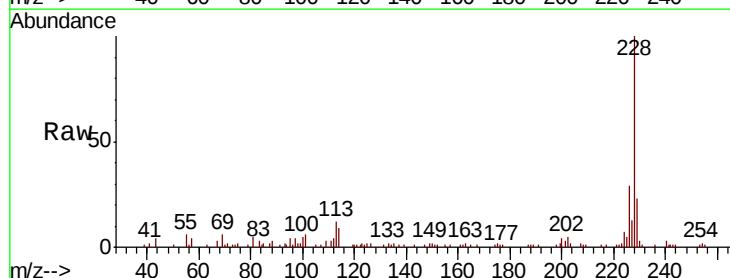
Instrument :
BNA_F
ClientSampled :

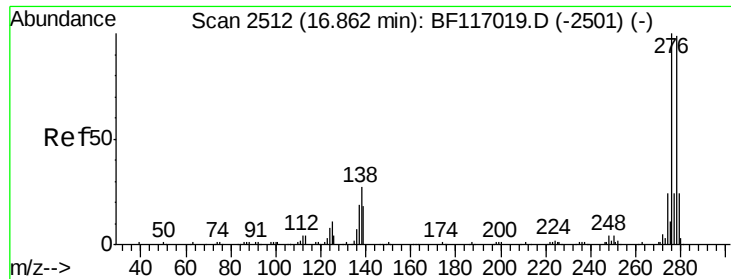
Tot Ion:228 Resp: 42662
Ion Ratio Lower Upper
228 100
226 27.4 22.3 33.5
229 20.5 15.9 23.9



#83
Chrysene
Concen: 7.948 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117299.D
Acq: 2 Oct 2019 15:05

Tgt Ion:228 Resp: 38824
Ion Ratio Lower Upper
228 100
226 28.7 24.8 37.2
229 22.5 15.8 23.8

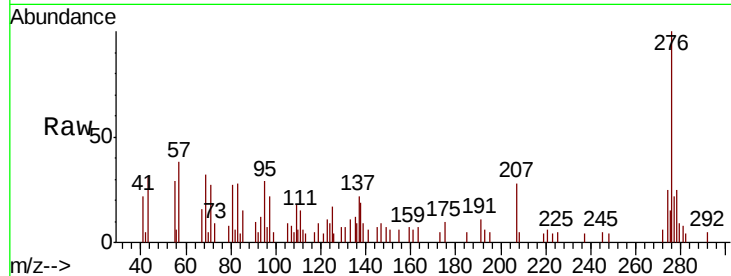




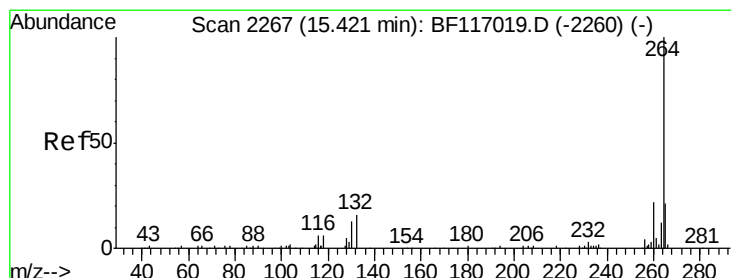
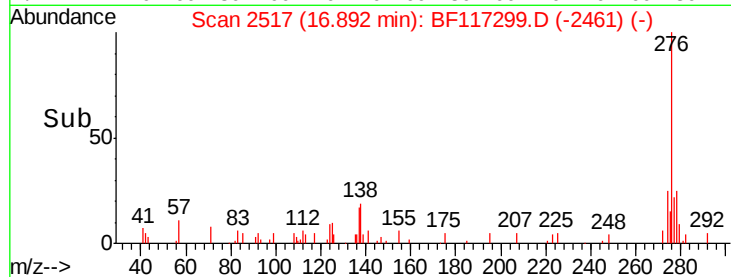
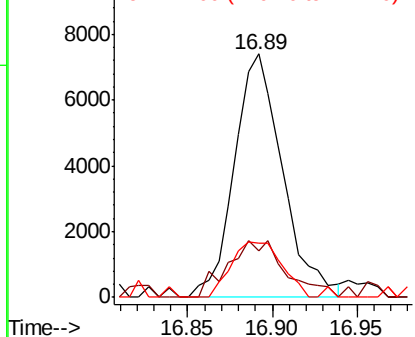
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.129 ng
 RT: 16.89 min Scan# 2517
 Delta R.T. 0.03 min
 Lab File: BF117299.D
 Acq: 2 Oct 2019 15:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	27.9	20.7	31.1	
277	23.8	19.8	29.8	

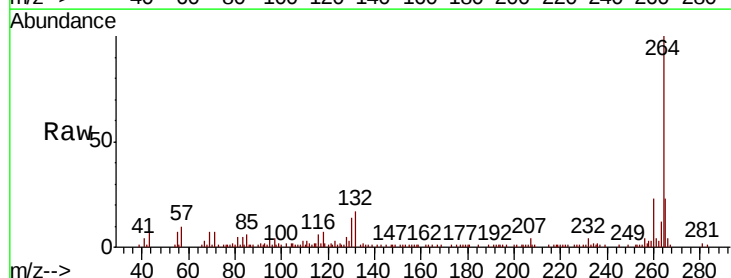


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

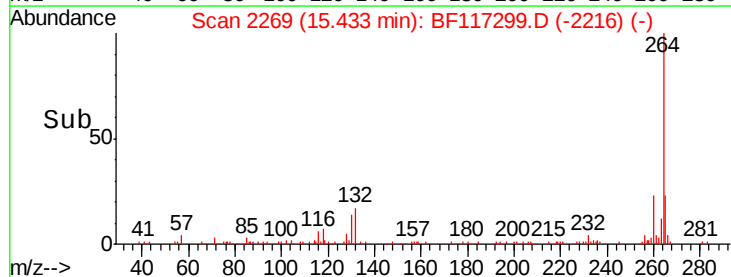
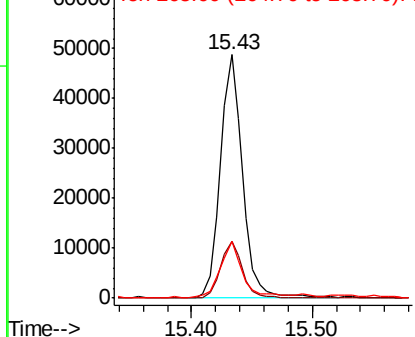


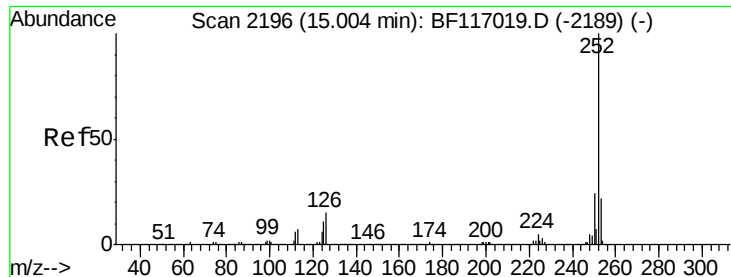
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117299.D
 Acq: 2 Oct 2019 15:05

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.4	17.6	26.4	
265	23.0	16.6	24.8	



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: 14.694 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

ClientSampleId :

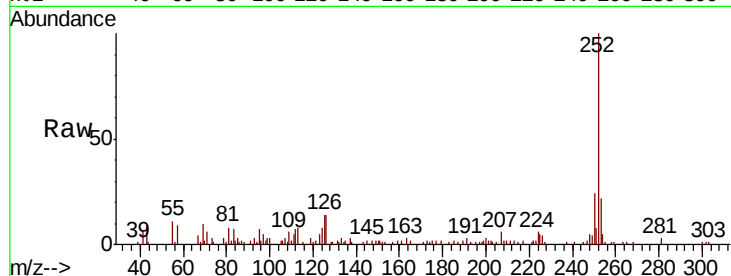
Tot Ion:252 Resp: 55158

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

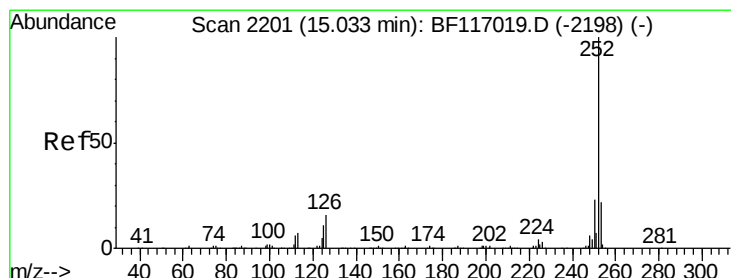
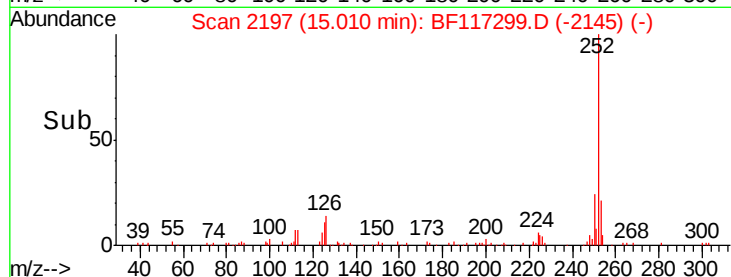
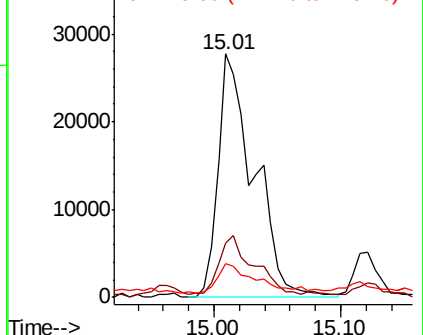
125 13.7 8.6 12.8#



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



#89

Benzo(k)fluoranthene

Concen: 15.512 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

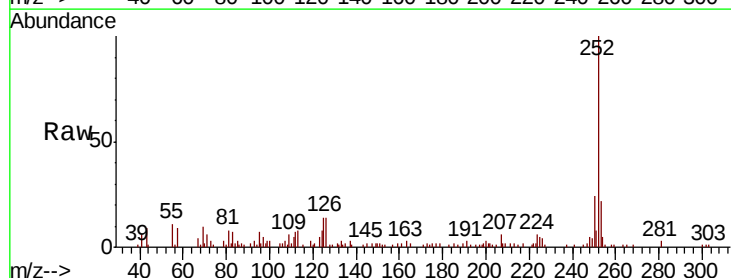
Tgt Ion:252 Resp: 55158

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

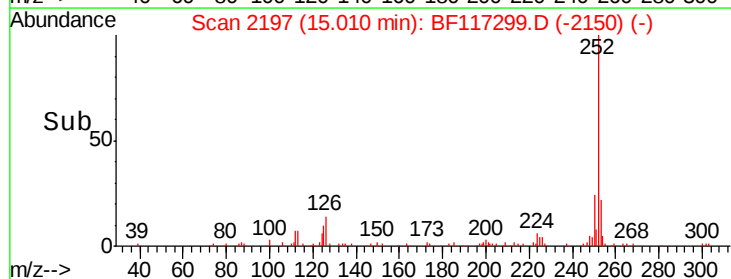
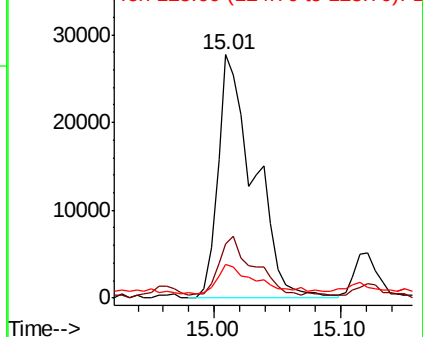
125 13.7 8.8 13.2#

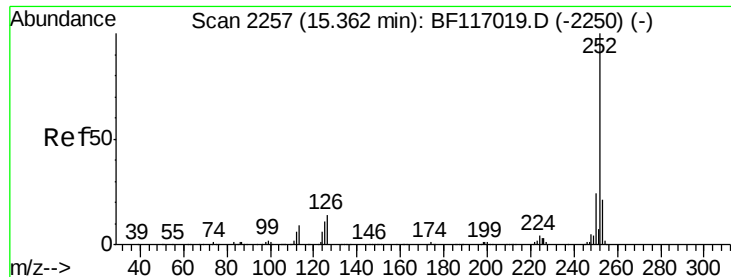


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 8.122 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

Instrument :

BNA_F

ClientSampleId :

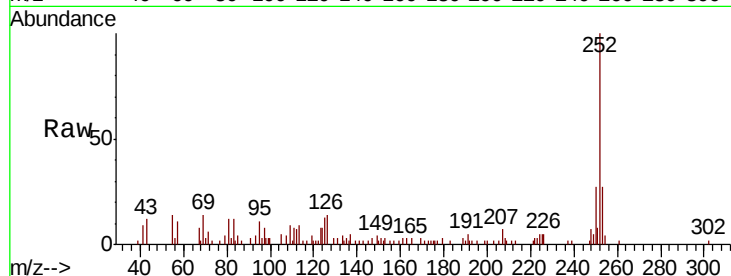
Tot Ion:252 Resp: 26754

Ion Ratio Lower Upper

252 100

253 27.5 16.6 25.0#

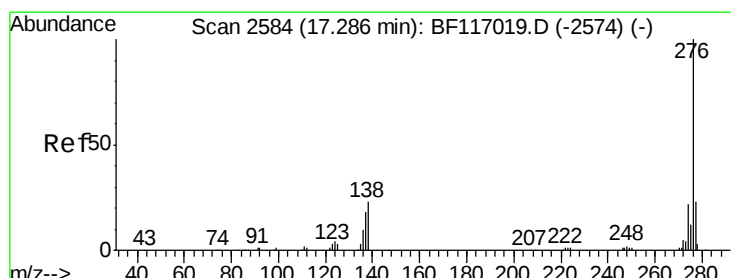
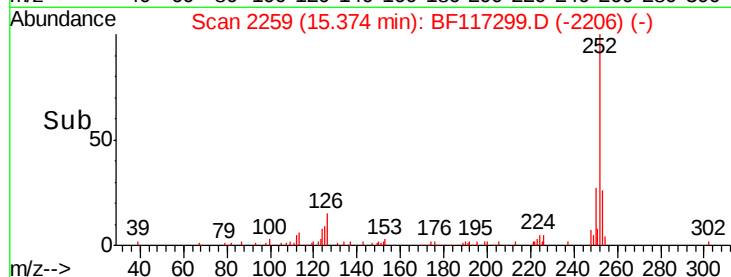
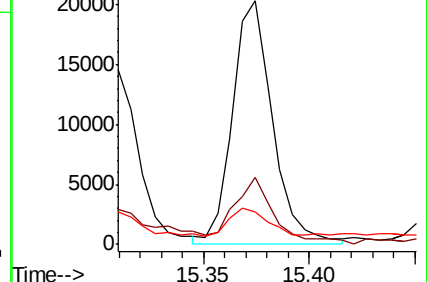
125 13.4 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 5.042 ng

RT: 17.33 min Scan# 2591

Delta R.T. 0.04 min

Lab File: BF117299.D

Acq: 2 Oct 2019 15:05

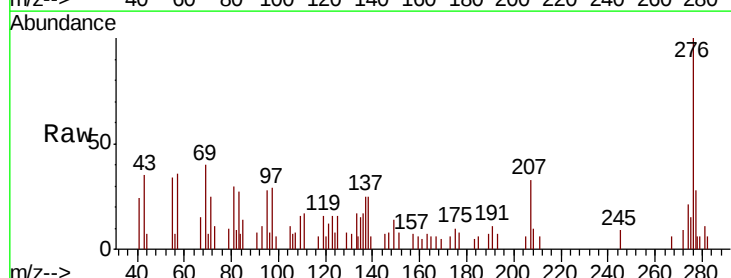
Tgt Ion:276 Resp: 13184

Ion Ratio Lower Upper

276 100

277 27.9 18.6 27.8#

138 24.8 18.0 27.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

