

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117065.D
 Acq On : 16 Sep 2019 16:11
 Operator : HP/JU
 Sample : K4664-06 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:13:22 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	6.82	152	57206	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	237511	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	121348	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	186068	20.00	ng	0.00
76) Chrysene-d12	13.96	240	126801	20.00	ng	-0.01
87) Perylene-d12	15.41	264	137663	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	203645	55.58	ng	0.00
7) Phenol-d6	6.46	99	296623	62.64	ng	0.00
23) Nitrobenzene-d5	7.38	82	188204	41.63	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	60568	59.72	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	340039	43.81	ng	0.00
79) Terphenyl-d14	12.91	244	277811	40.95	ng	0.00

Target Compounds

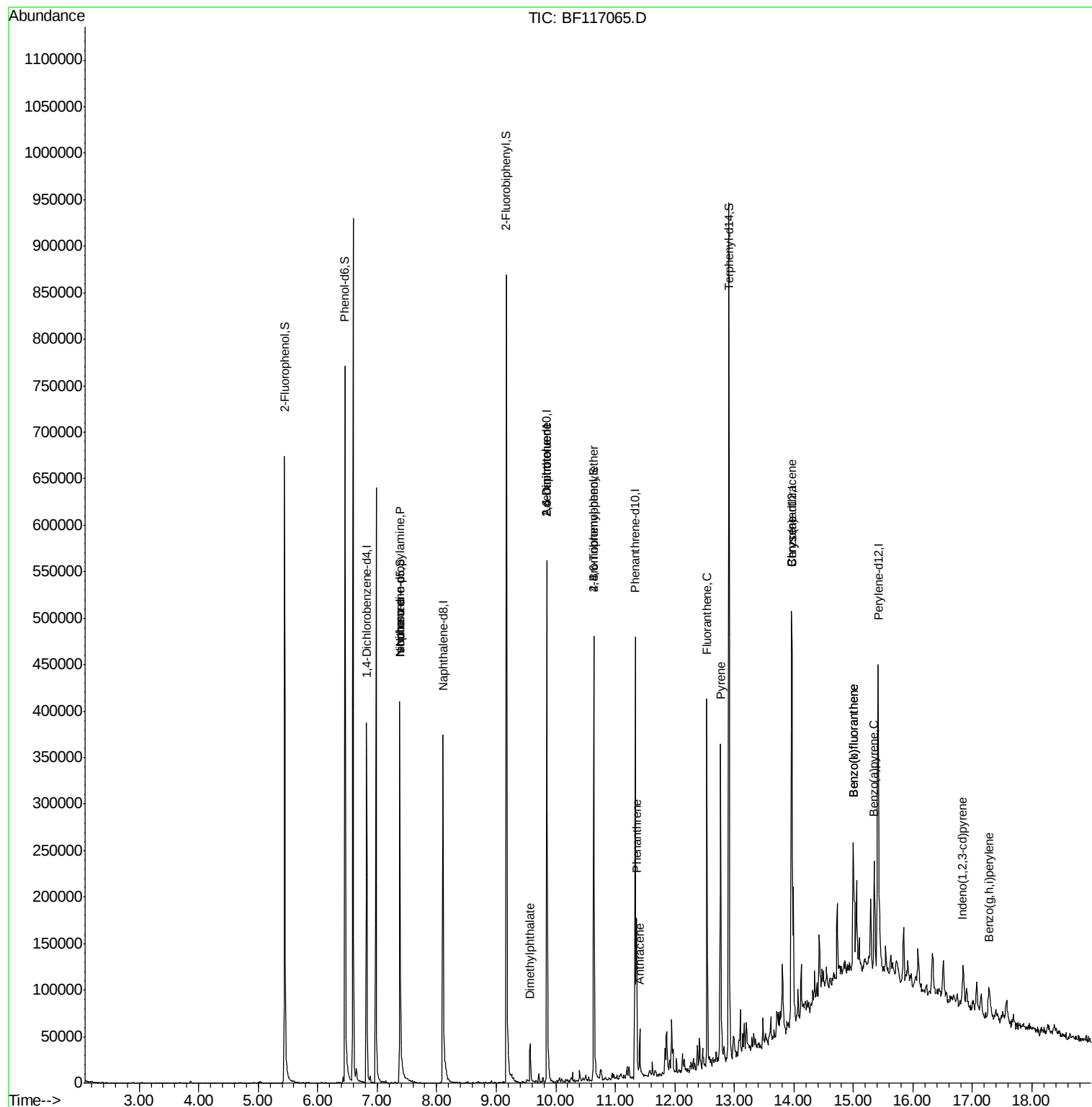
						Qvalue
9) Benzaldehyde	6.43	77	346	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.38	70	23730	8.230 ng	#	82
25) Isophorone	7.38	82	188203	23.515 ng	#	66
50) Dimethylphthalate	9.57	163	21621	2.516 ng		99
51) 2,6-Dinitrotoluene	9.85	165	16016	9.152 ng	#	24
57) 2,4-Dinitrotoluene	9.85	165	16016	7.051 ng	#	18
67) 4-Bromophenyl-phenylether	10.64	248	4050	2.131 ng	#	1
71) Phenanthrene	11.36	178	62720	5.935 ng		98
72) Anthracene	11.41	178	24978	2.315 ng		96
75) Fluoranthene	12.54	202	169456	15.605 ng		99
78) Pyrene	12.77	202	142037	13.350 ng		99
81) Benzo(a)anthracene	13.96	228	65838	7.771 ng		97
83) Chrysene	13.96	228	65838	7.968 ng		99
86) Indeno(1,2,3-cd)pyrene	16.84	276	26881	4.459 ng	#	94
88) Benzo(b)fluoranthene	14.99	252	101613	12.186 ng		98
89) Benzo(k)fluoranthene	14.99	252	101613	12.864 ng		98
90) Benzo(a)pyrene	15.35	252	52965	7.238 ng	#	94
92) Benzo(g,h,i)perylene	17.28	276	27733	4.774 ng	#	90

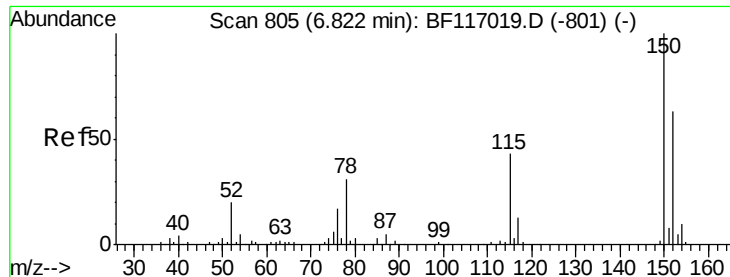
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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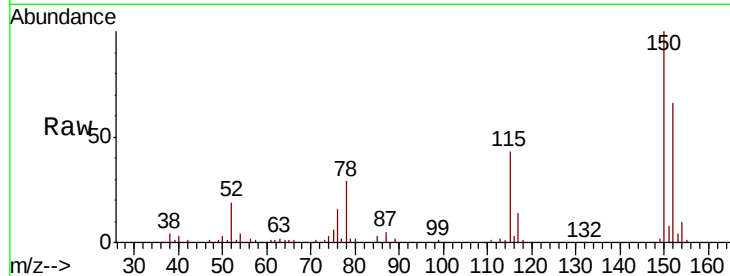


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.5	191.3
115	64.9	55.0	82.4

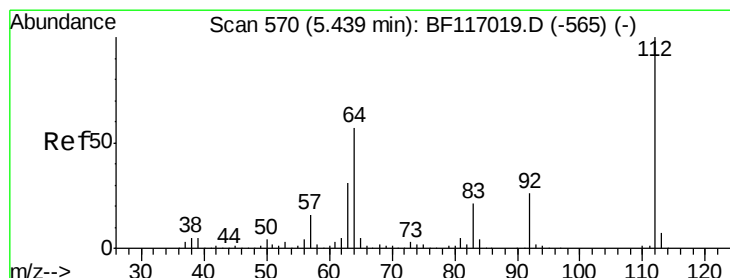
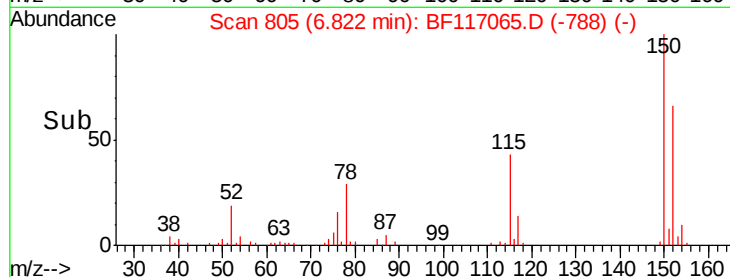
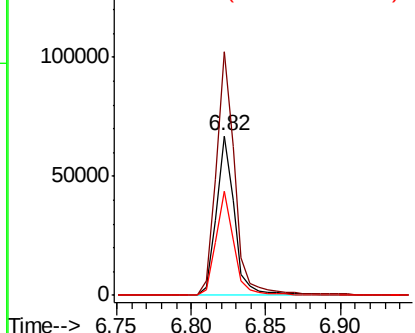


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

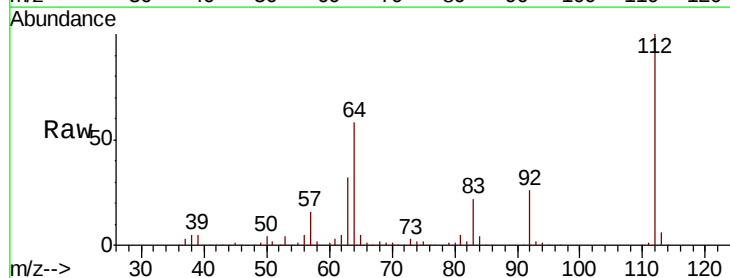
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.578 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	45.7	68.5
63	31.8	24.9	37.3

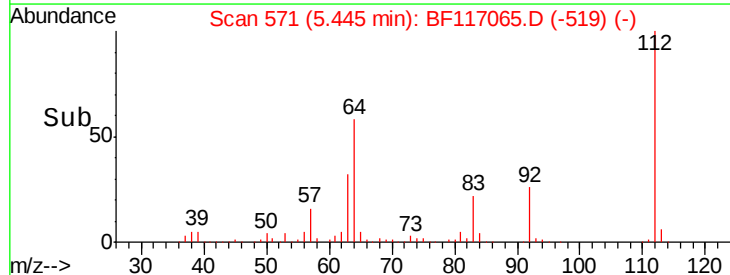
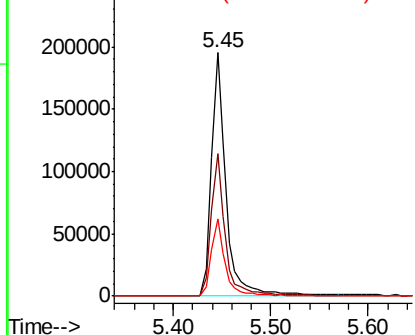


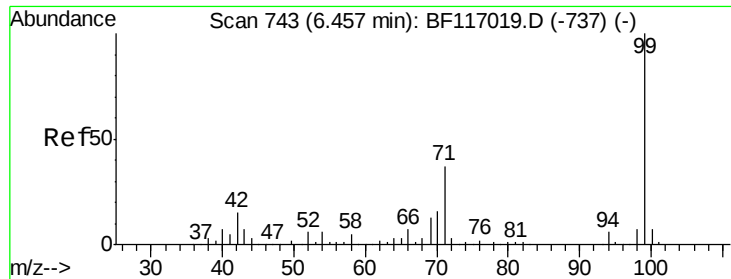
Abundance

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: 62.640 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

ClientSampleId :

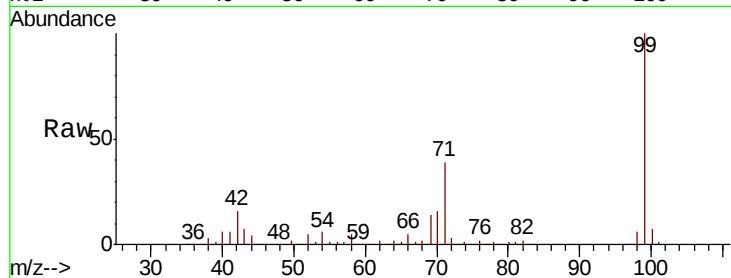
Tot Ion: 99 Resp: 296623

Ion Ratio Lower Upper

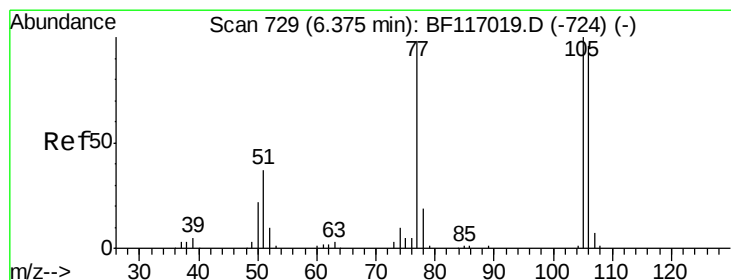
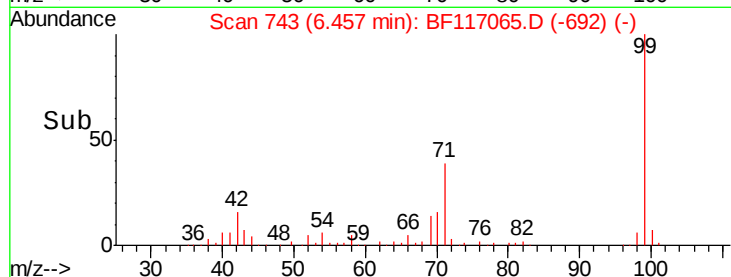
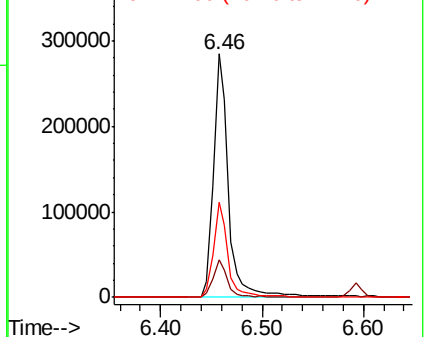
99 100

42 15.6 12.2 18.2

71 39.1 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: 6.43 min Scan# 738

Delta R.T. 0.05 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

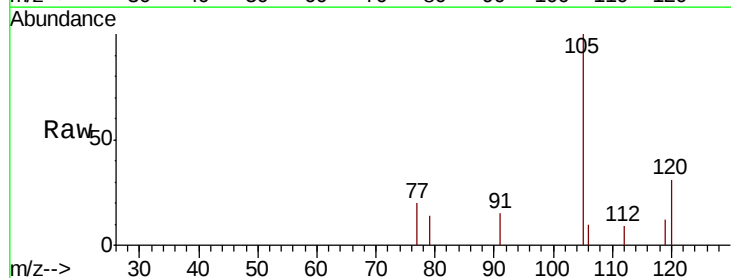
Tgt Ion: 77 Resp: 346

Ion Ratio Lower Upper

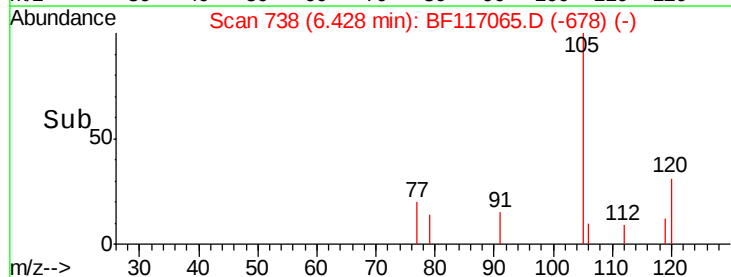
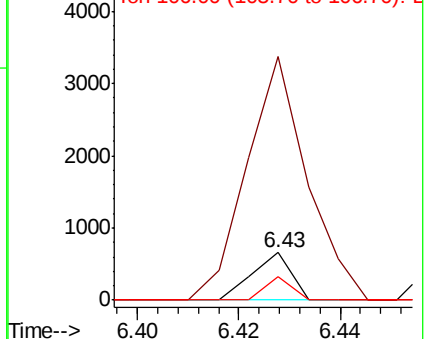
77 100

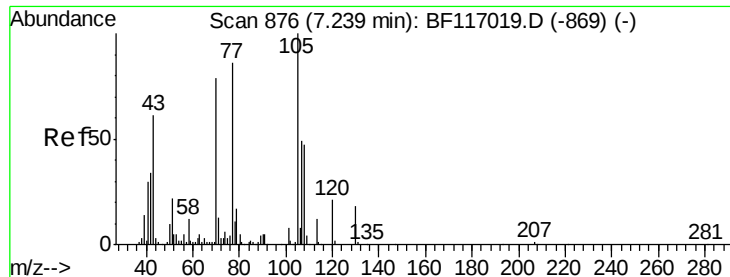
105 512.0 81.8 121.8#

106 50.1 77.3 117.3#



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

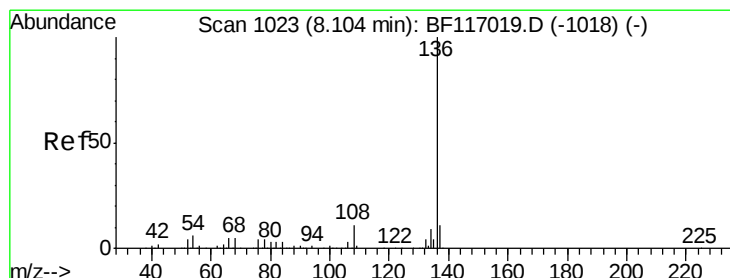
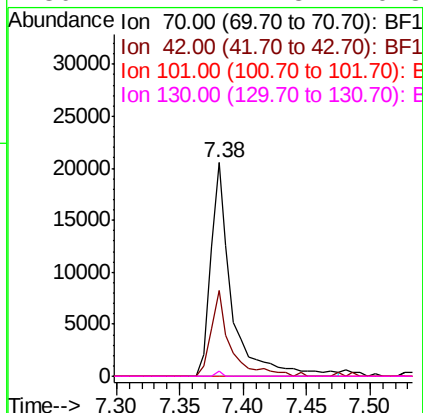
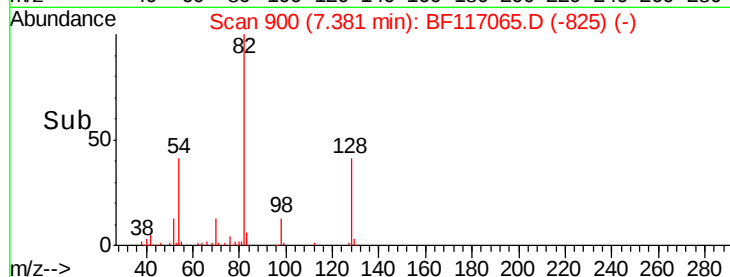
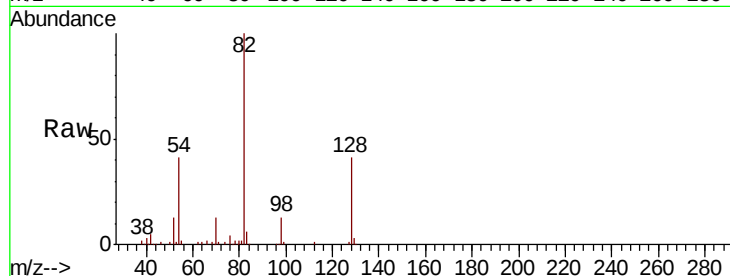




#19
n-Nitroso-di-n-propylamine
Concen: 8.230 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

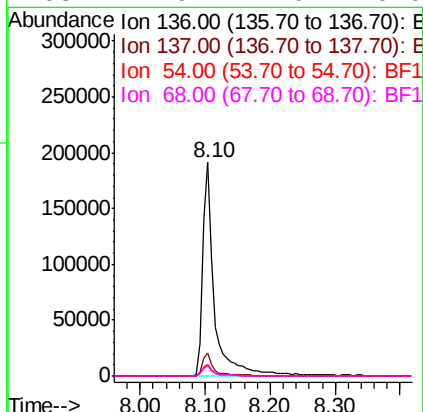
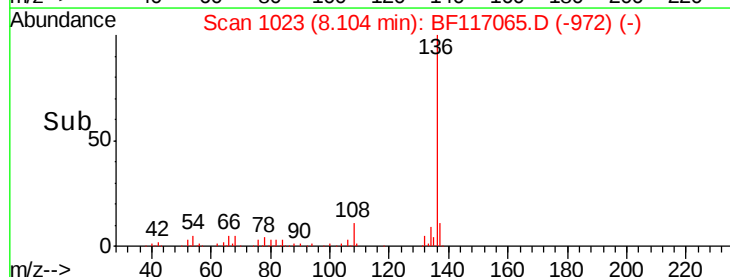
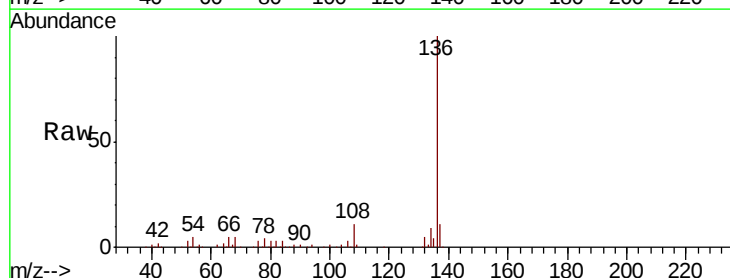
Instrument :
BNA_F
ClientSampleId :

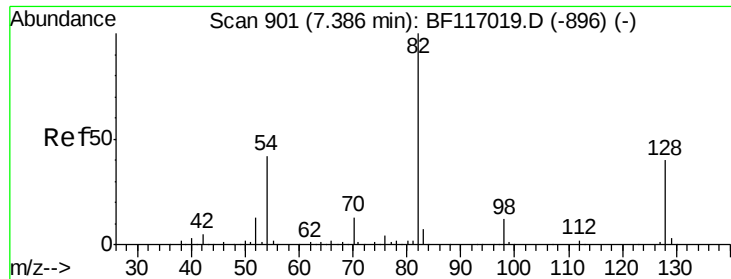
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.2	34.0	51.0
101	0.0	7.8	11.6#
130	2.1	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	5.4	4.5	6.7
68	4.9	4.0	6.0

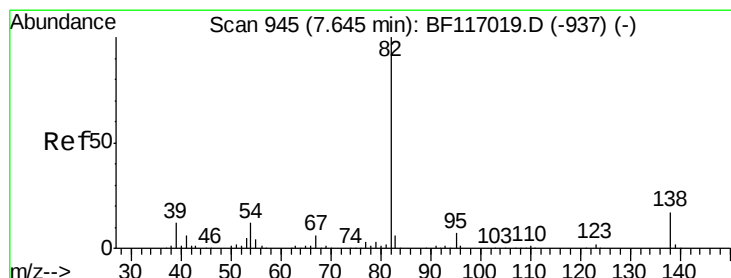
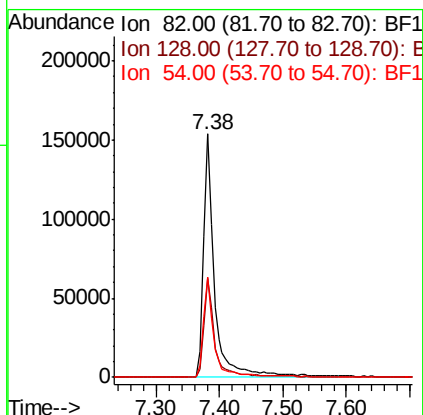
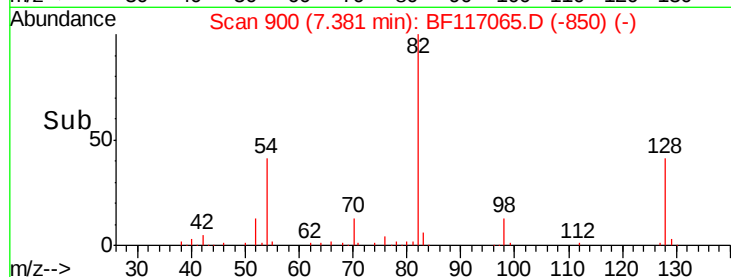
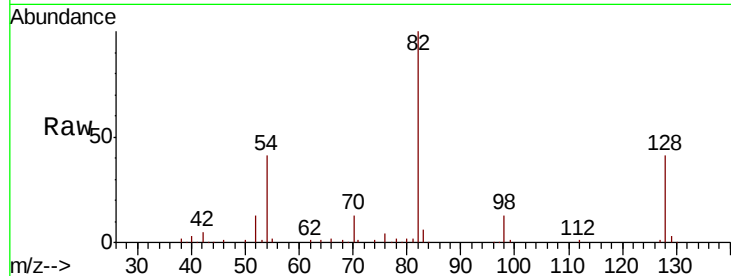




#23
 Nitrobenzene-d5
 Concen: 41.635 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

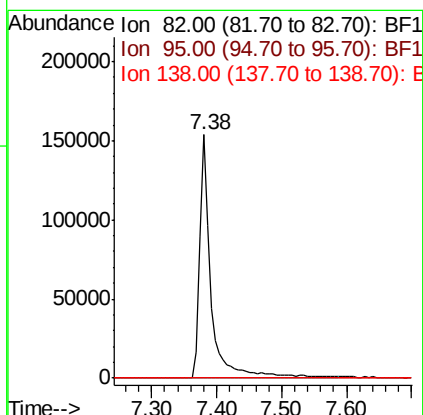
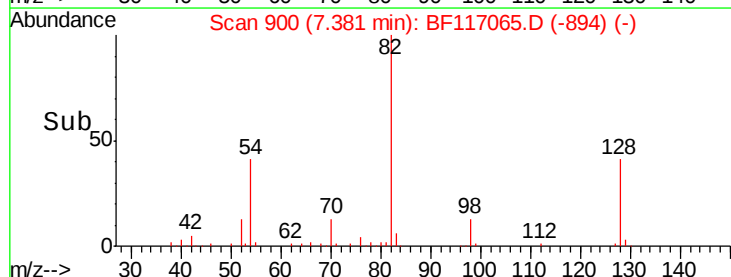
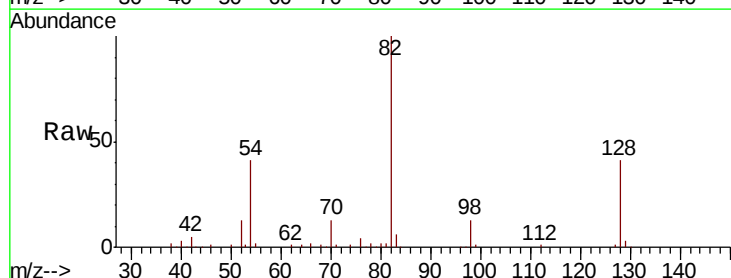
Instrument :
 BNA_F
 ClientSampleId :

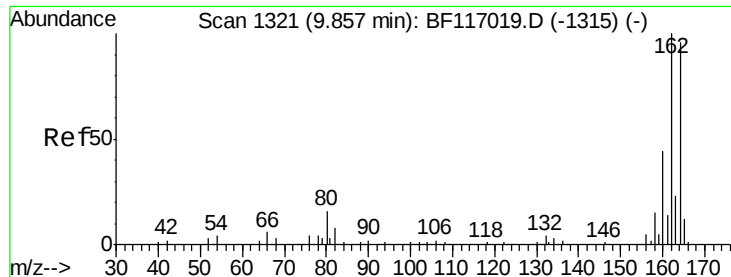
Tot Ion	82	Resp	188204
Ion Ratio	100	Lower	Upper
128	40.7	32.3	48.5
54	41.4	33.3	49.9



#25
 Isophorone
 Concen: 23.515 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt Ion	82	Resp	188203
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

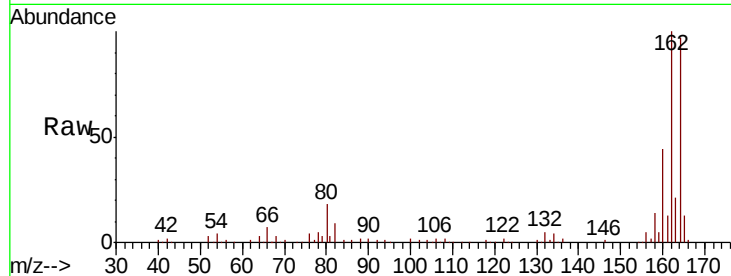




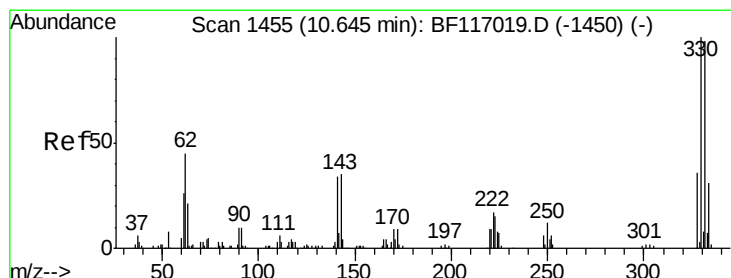
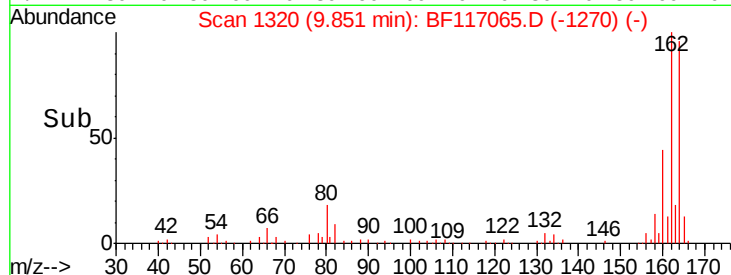
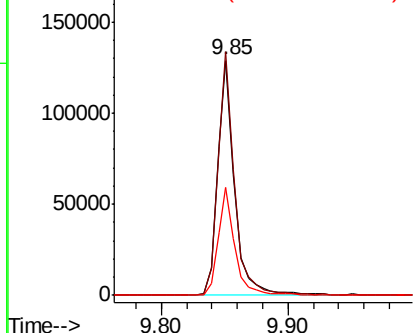
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 121348
 Ion Ratio Lower Upper
 164 100
 162 103.6 83.4 125.2
 160 45.9 36.4 54.6

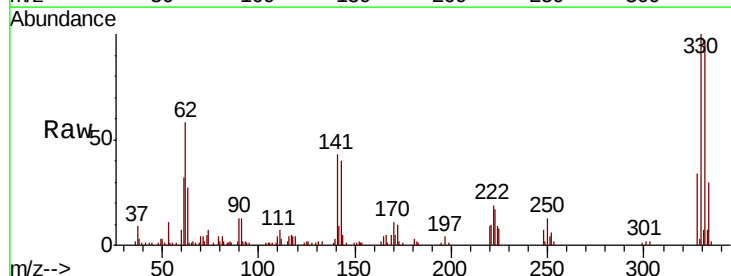


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

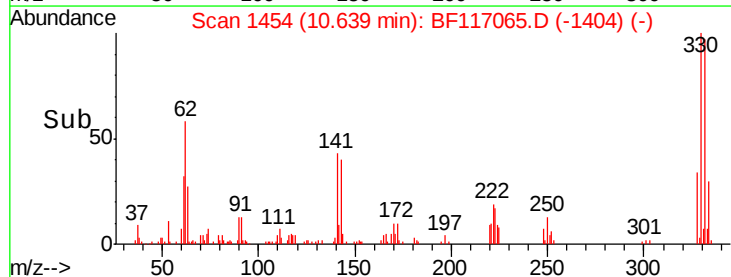
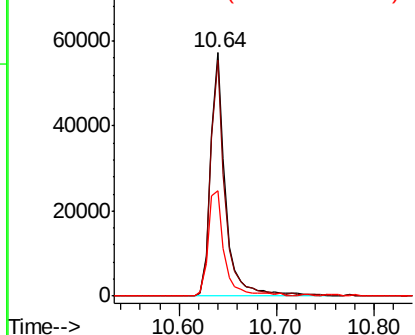


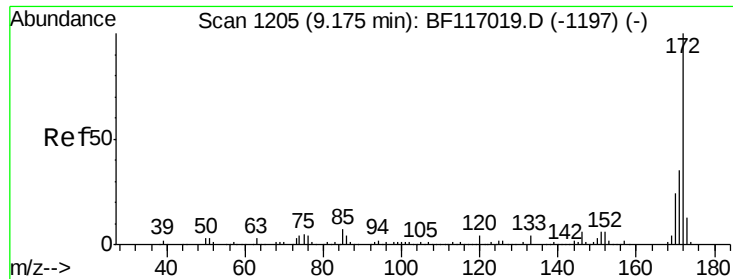
#42
 2,4,6-Tribromophenol
 Concen: 59.720 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt Ion:330 Resp: 60568
 Ion Ratio Lower Upper
 330 100
 332 95.3 78.0 117.0
 141 47.4 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

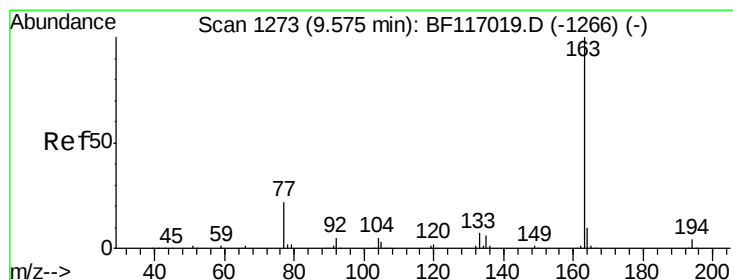
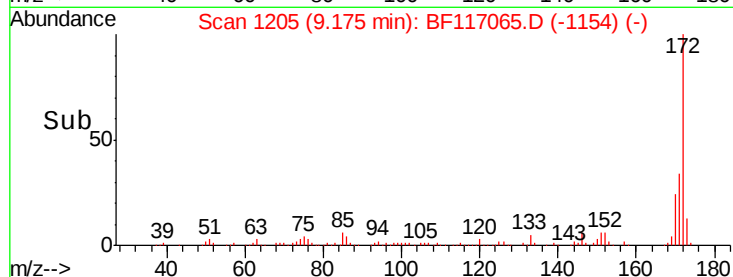
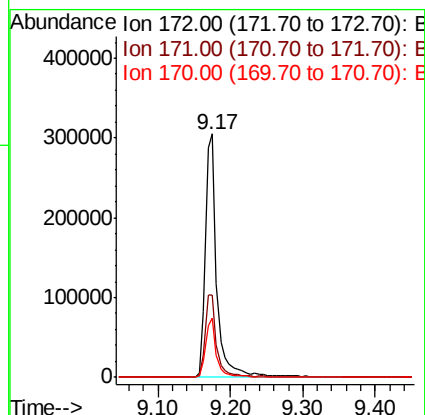
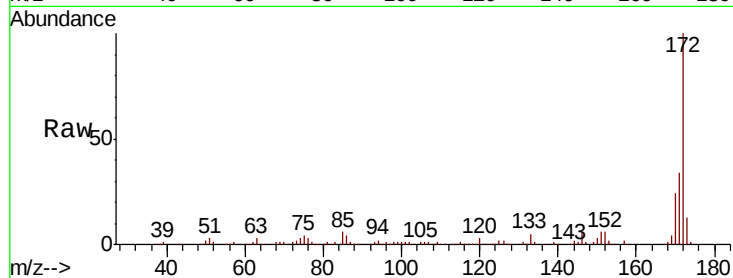




#45
 2-Fluorobiphenyl
 Concen: 43.814 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

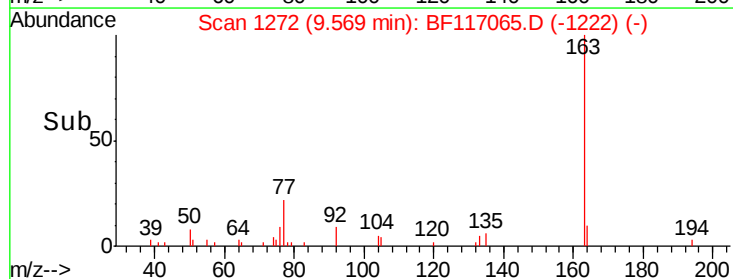
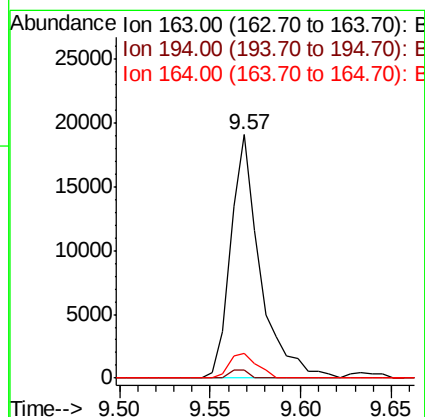
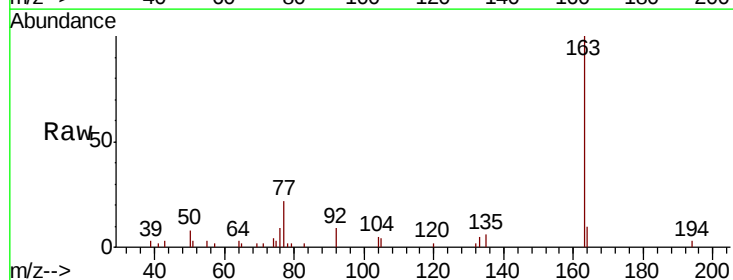
Instrument :
 BNA_F
 ClientSampleId :

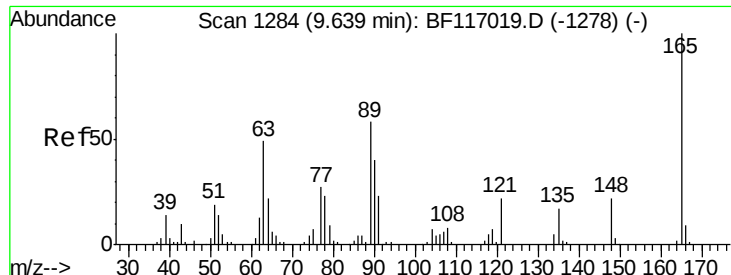
Tot Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.2	42.2
170	24.2	18.9	28.3



#50
 Dimethylphthalate
 Concen: 2.516 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.01 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.1	8.2	12.4

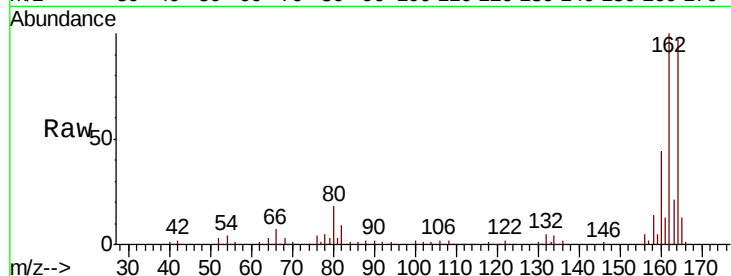




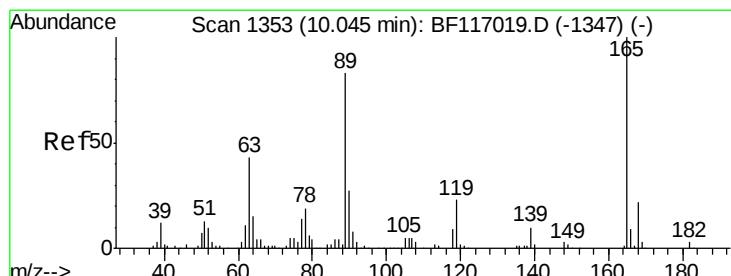
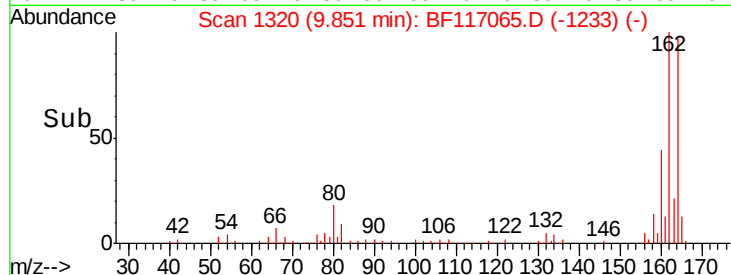
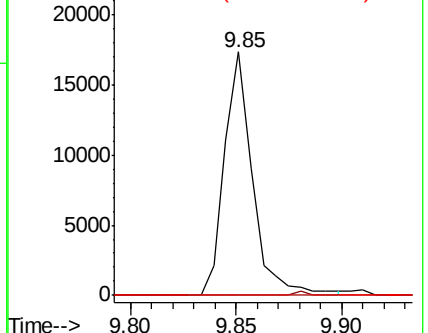
#51
 2,6-Dinitrotoluene
 Concen: 9.152 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Instrument :
 BNA_F
 ClientSampleId :

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



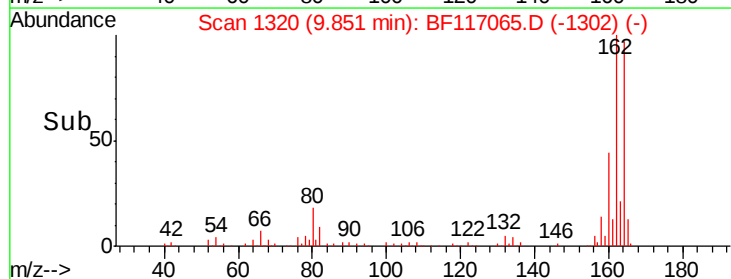
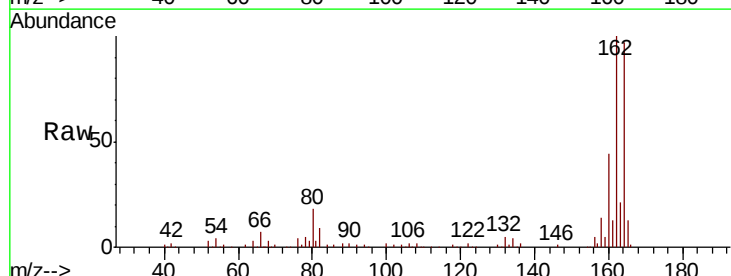
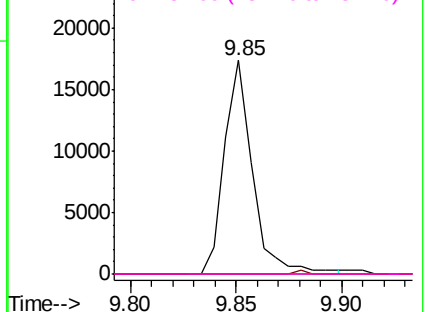
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

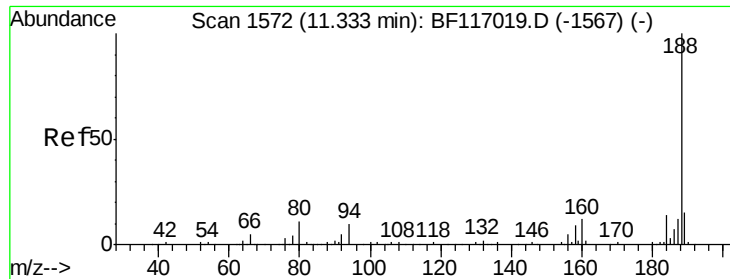


#57
 2,4-Dinitrotoluene
 Concen: 7.051 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt 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

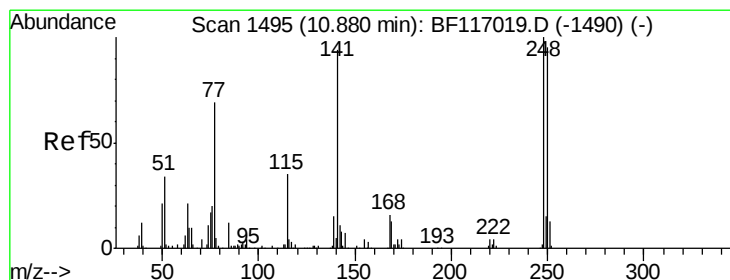
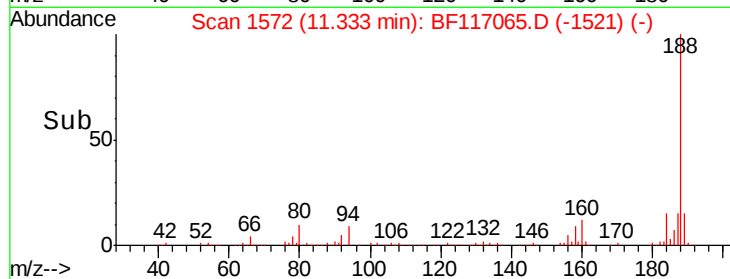
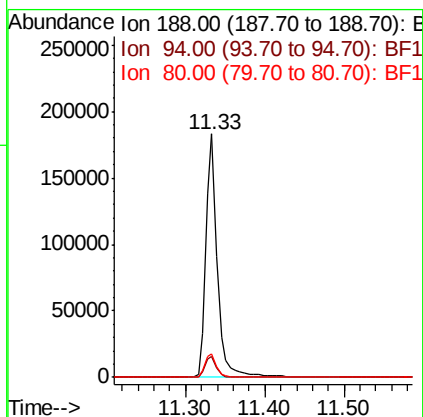
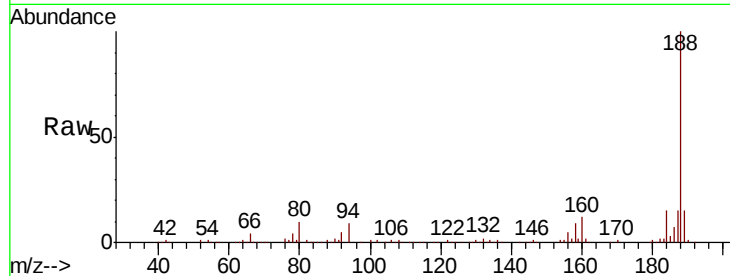




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

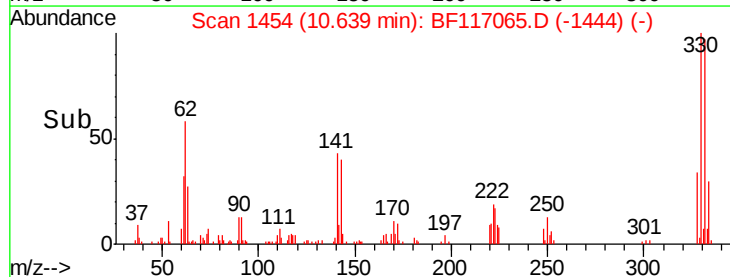
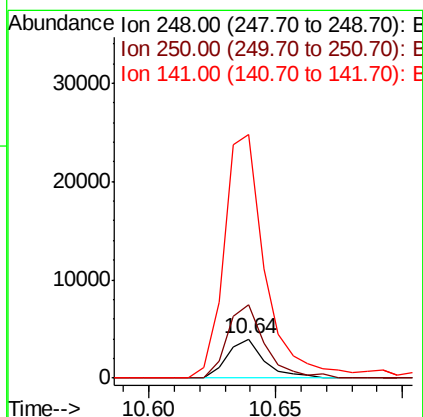
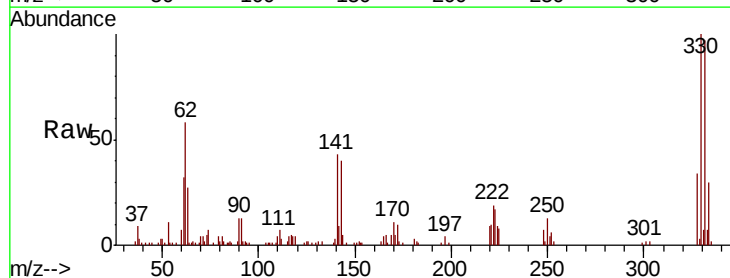
Instrument :
 BNA_F
 ClientSampled :

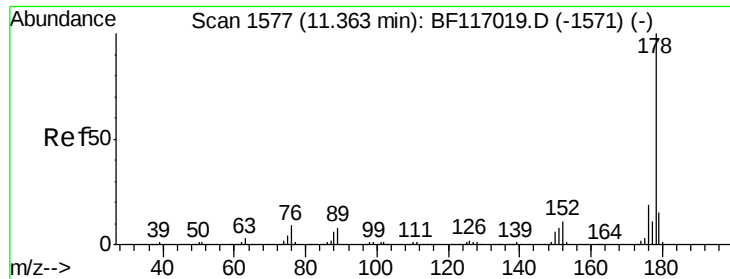
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.8	9.0	13.6



#67
 4-Bromophenyl-phenylether
 Concen: 2.131 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117065.D
 Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
248	100		
250	185.2	76.2	114.4#
141	619.5	75.0	112.4#

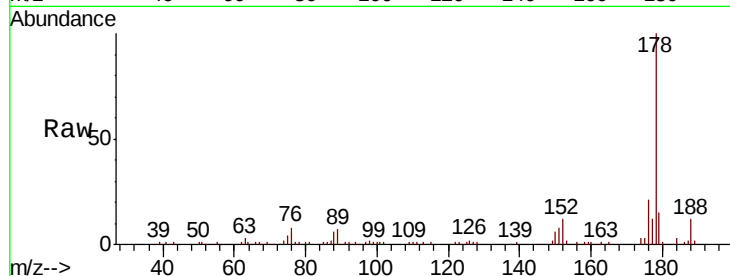




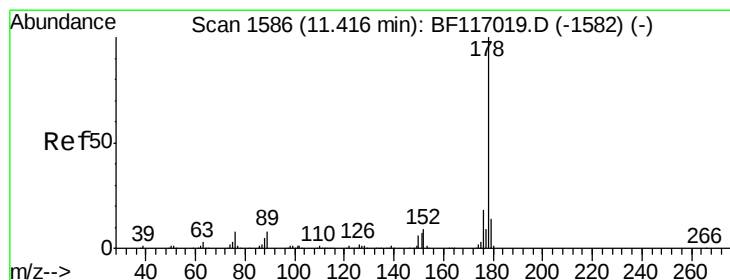
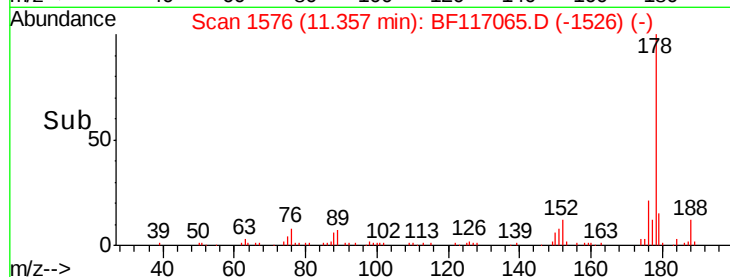
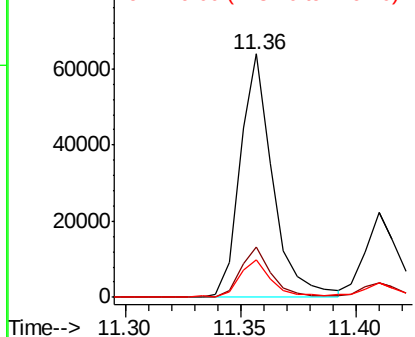
#71
Phenanthrene
Concen: 5.935 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 62720
Ion Ratio Lower Upper
178 100
176 20.6 15.4 23.2
179 15.5 12.4 18.6

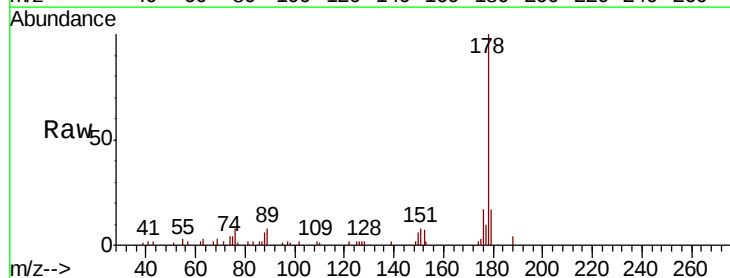


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

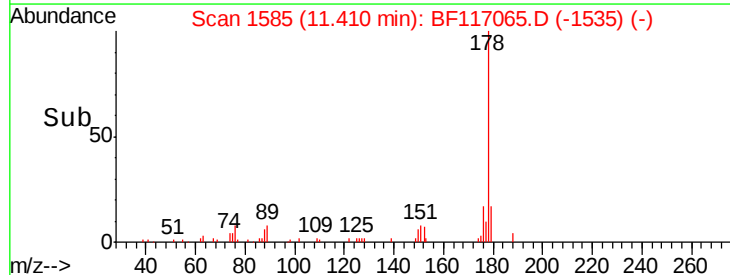
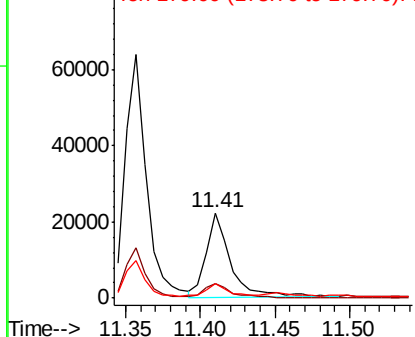


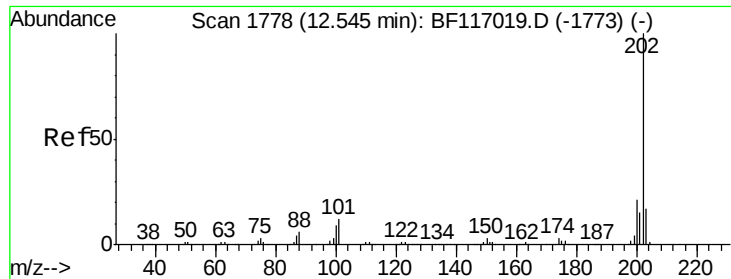
#72
Anthracene
Concen: 2.315 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion:178 Resp: 24978
Ion Ratio Lower Upper
178 100
176 17.2 14.6 21.8
179 17.2 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: 15.605 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

ClientSampleId :

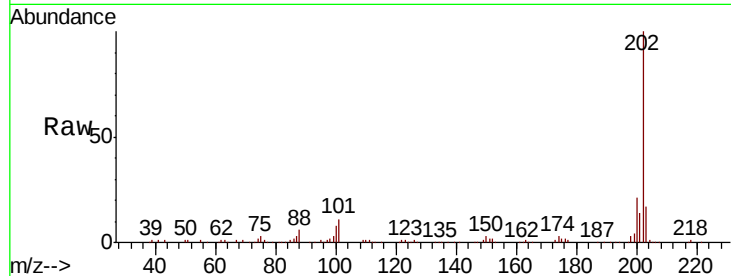
Tot Ion:202 Resp: 169456

Ion Ratio Lower Upper

202 100

101 11.2 0.0 32.3

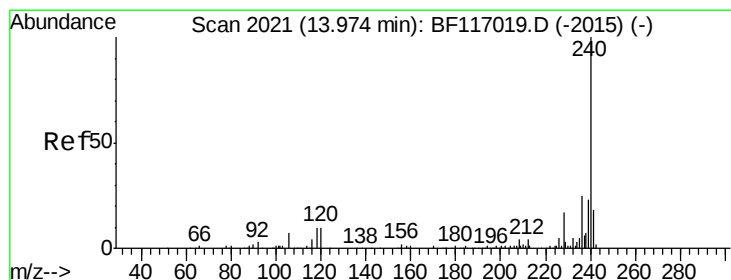
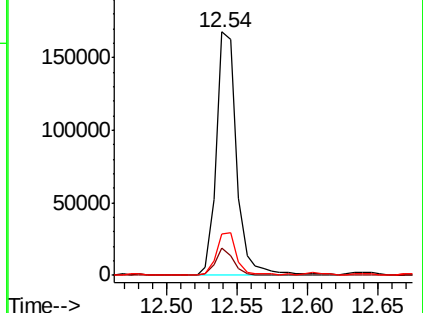
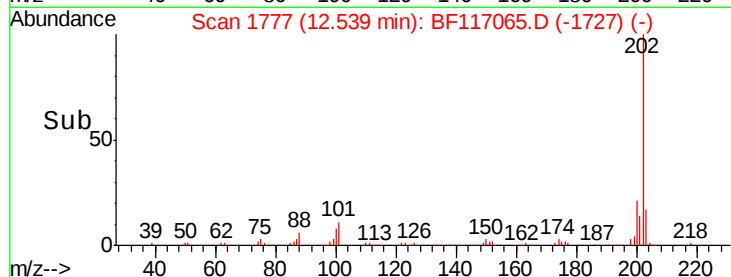
203 17.2 0.0 37.1



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: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

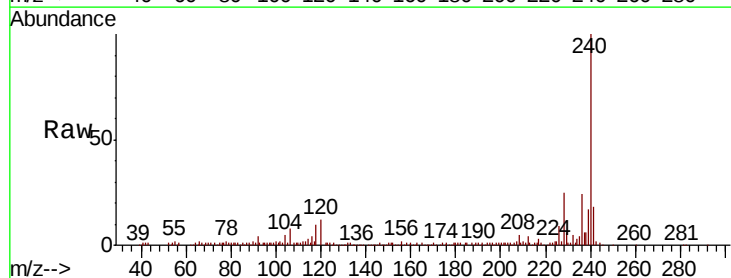
Tgt Ion:240 Resp: 126801

Ion Ratio Lower Upper

240 100

120 12.0 8.3 12.5

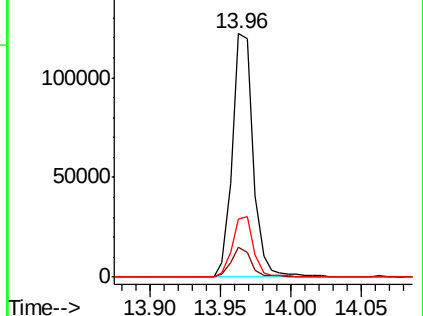
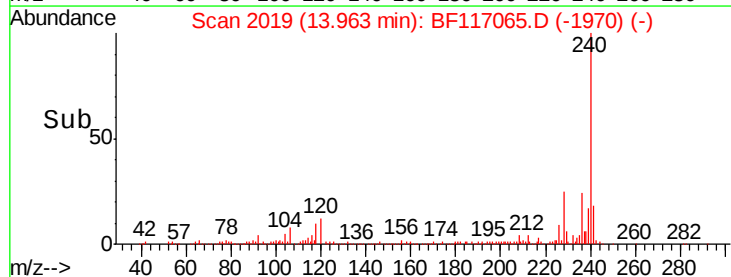
236 24.0 20.3 30.5

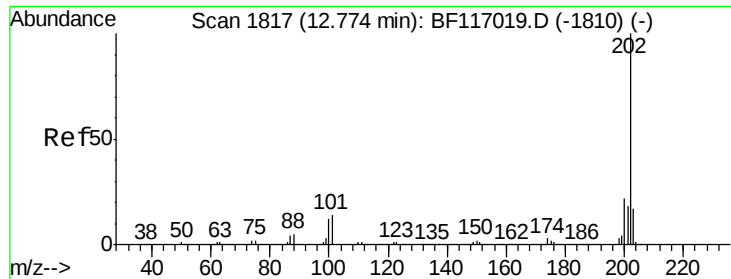


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 13.350 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

ClientSampleId :

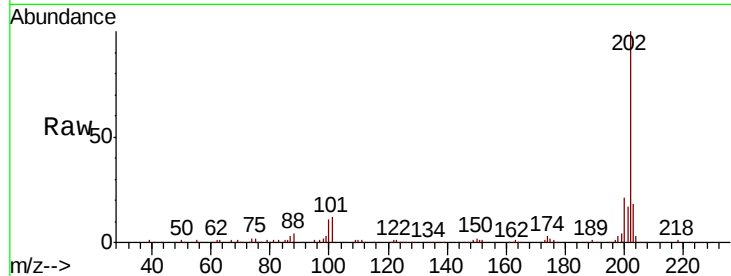
Tot Ion:202 Resp: 142037

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

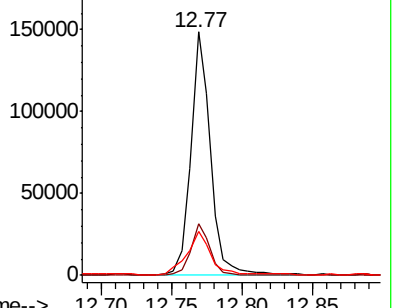
203 17.9 14.0 21.0



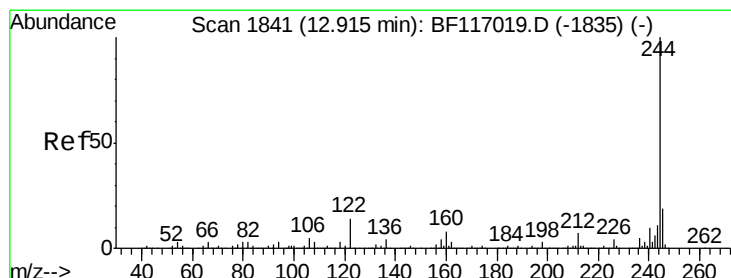
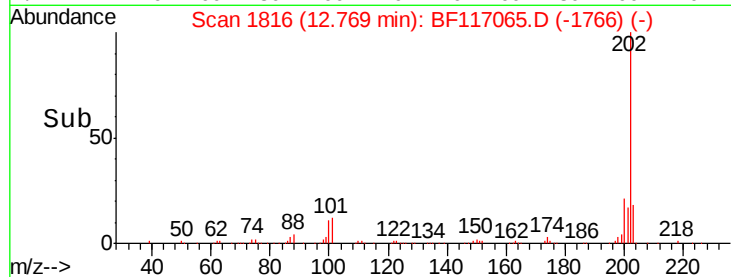
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.70 12.75 12.80 12.85



#79

Terphenyl-d14

Concen: 40.953 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

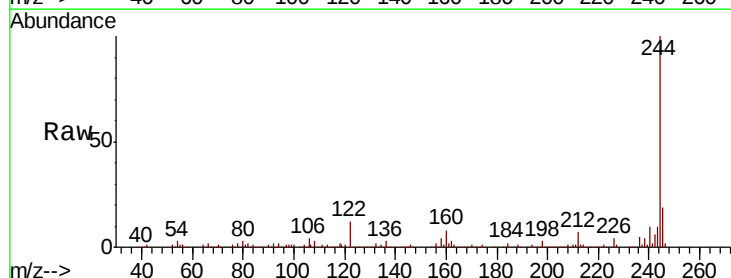
Tgt Ion:244 Resp: 277811

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

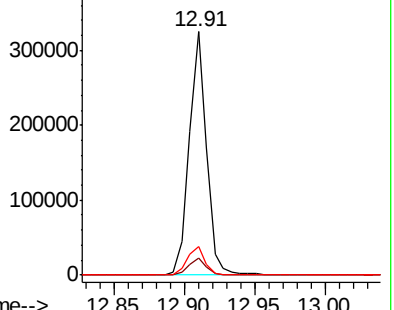
122 11.8 11.3 16.9



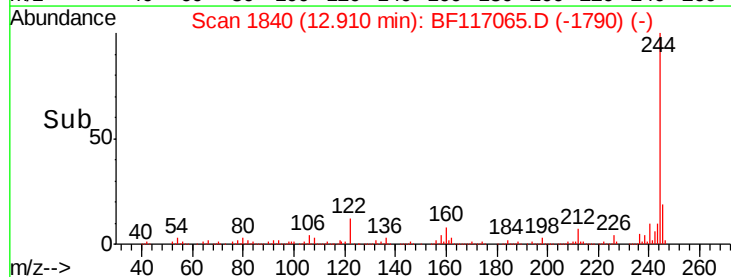
Abundance Ion 244.00 (243.70 to 244.70): E

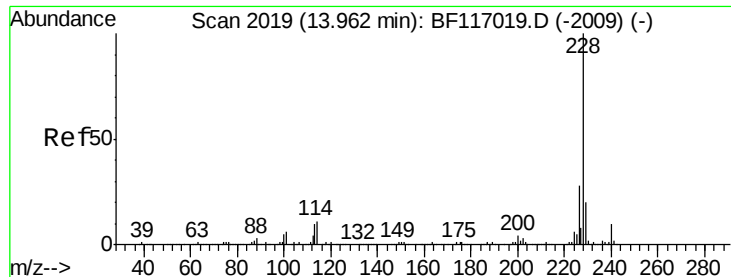
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.85 12.90 12.95 13.00

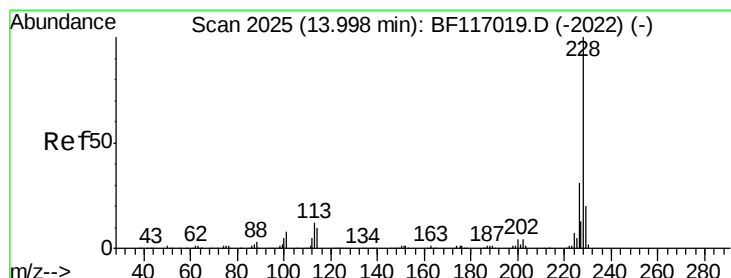
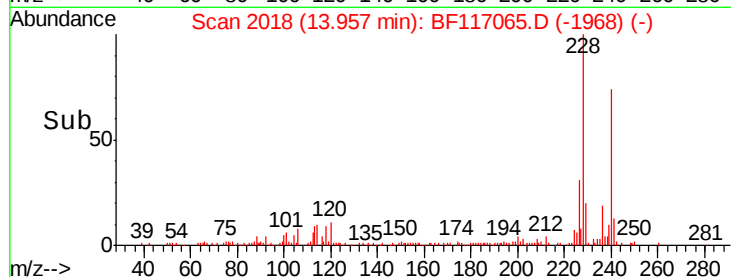
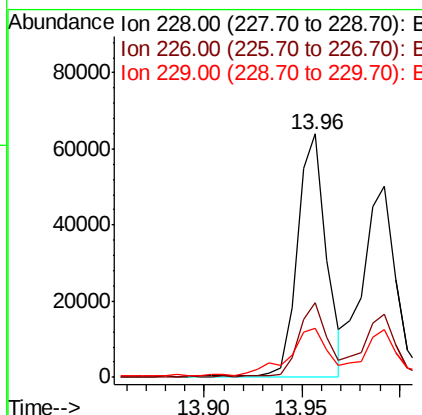
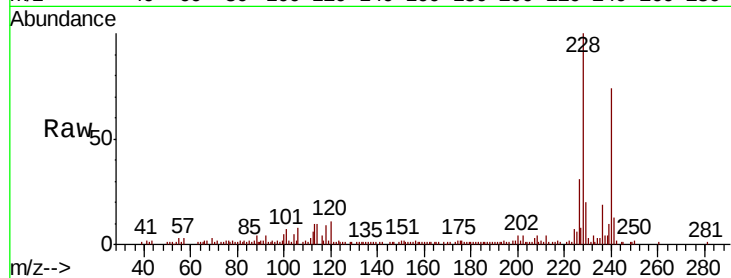




#81
Benzo(a)anthracene
Concen: 7.771 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

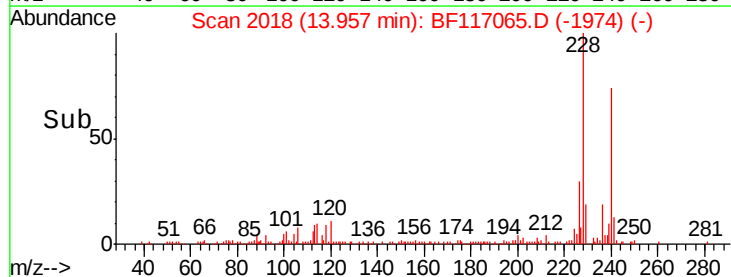
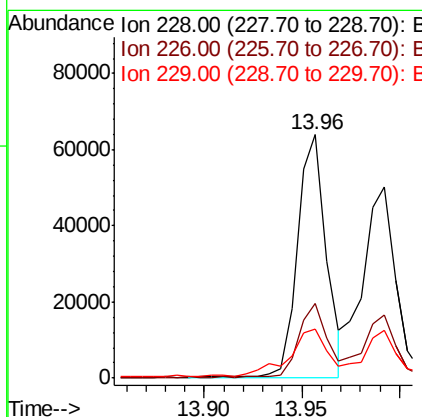
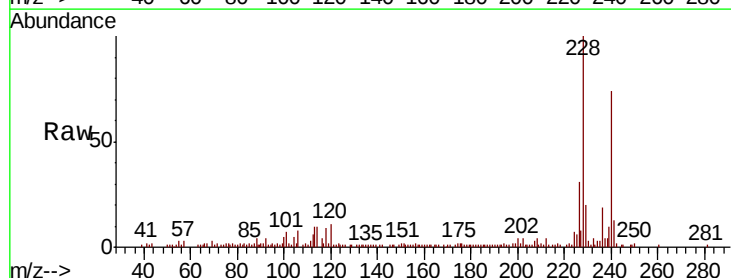
Instrument :
BNA_F
ClientSampleId :

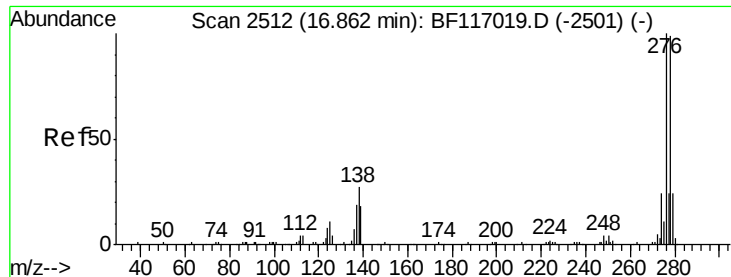
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.3	33.5
229	20.4	15.9	23.9



#83
Chrysene
Concen: 7.968 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.04 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.8	37.2
229	20.4	15.8	23.8

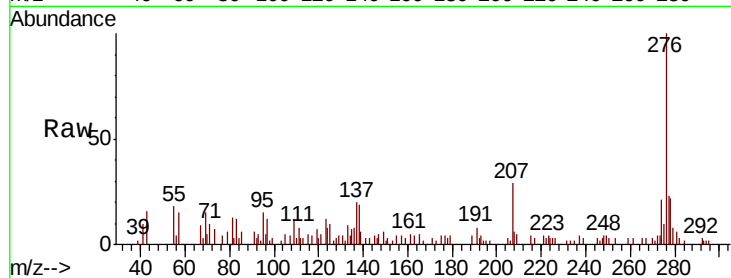




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.459 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.6	20.7	31.1
277	29.9	19.8	29.8#

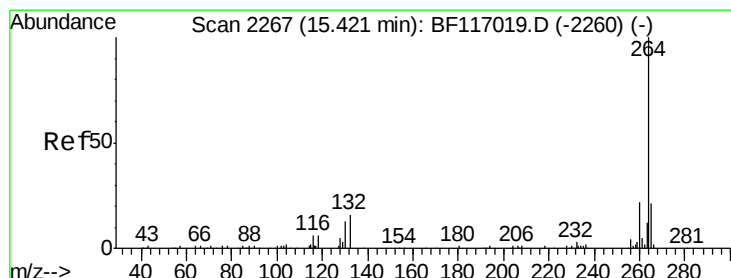
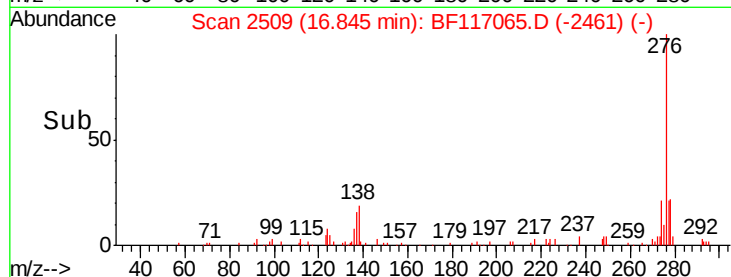
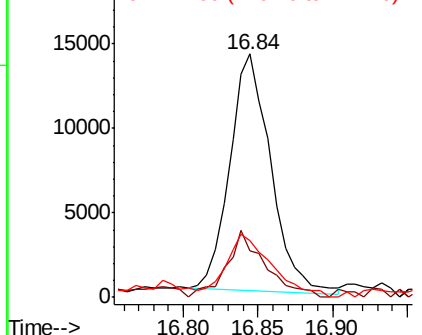


Abundance

Ion 276.00 (275.70 to 276.70): E

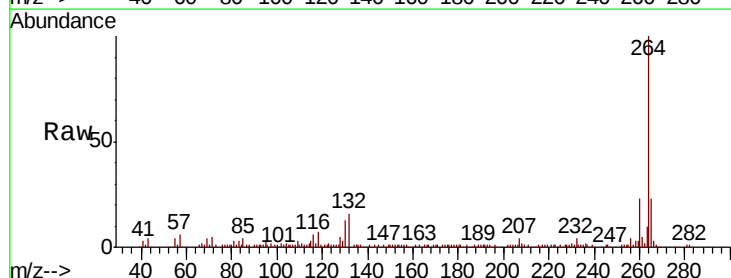
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117065.D
Acq: 16 Sep 2019 16:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.6	26.4
265	22.9	16.6	24.8

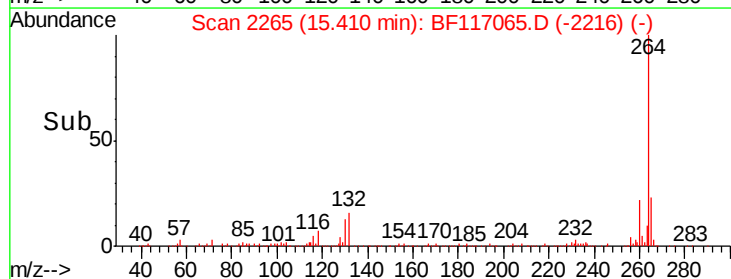
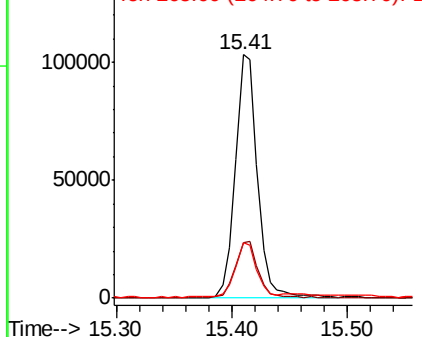


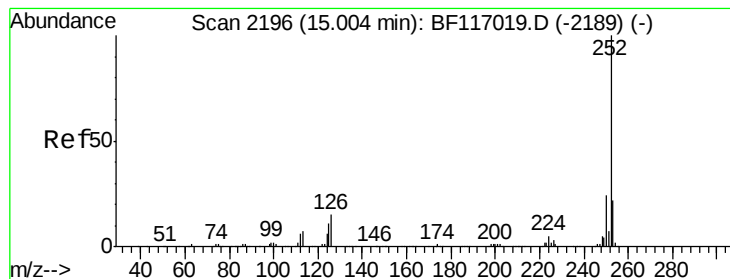
Abundance

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: 12.186 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

ClientSampleId :

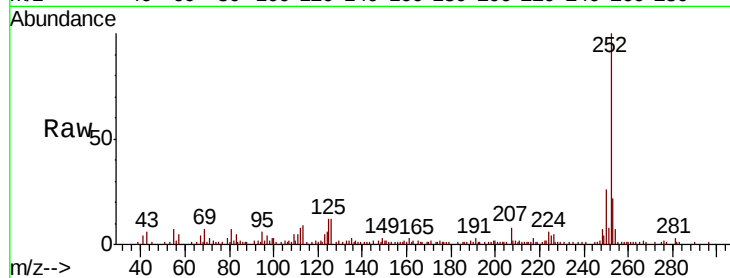
Tot Ion:252 Resp: 101613

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

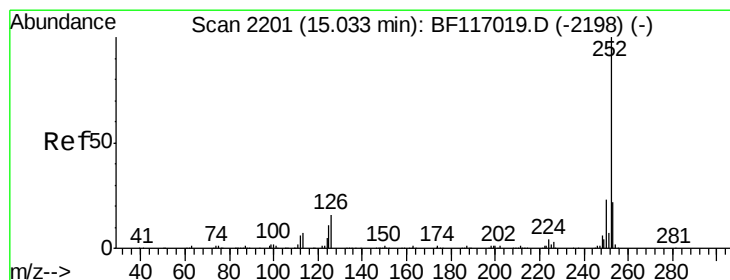
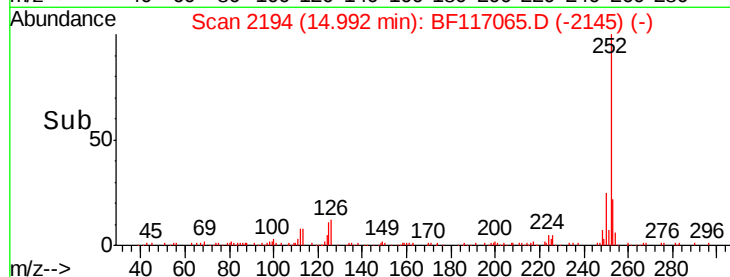
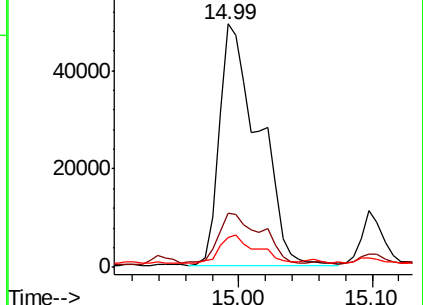
125 12.1 8.6 12.8



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: 12.864 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.04 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

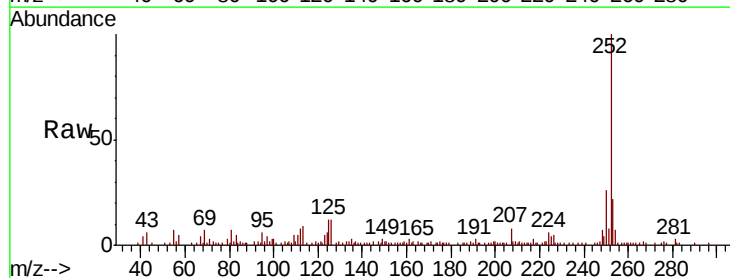
Tgt Ion:252 Resp: 101613

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

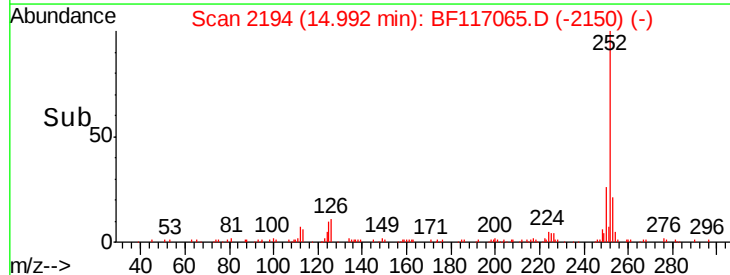
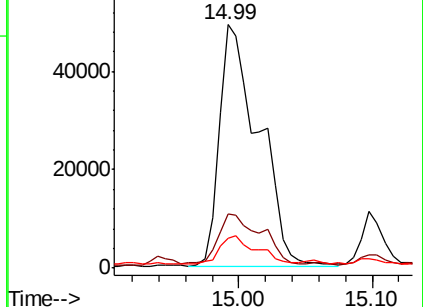
125 12.1 8.8 13.2

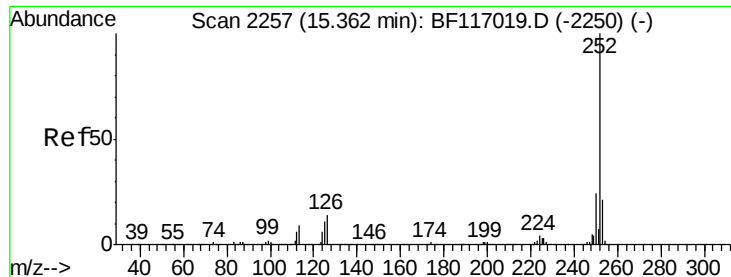


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.238 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

Instrument :

BNA_F

ClientSampleId :

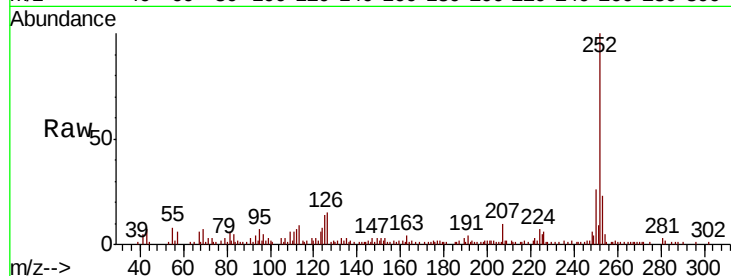
Tot Ion:252 Resp: 52965

Ion Ratio Lower Upper

252 100

253 23.0 16.6 25.0

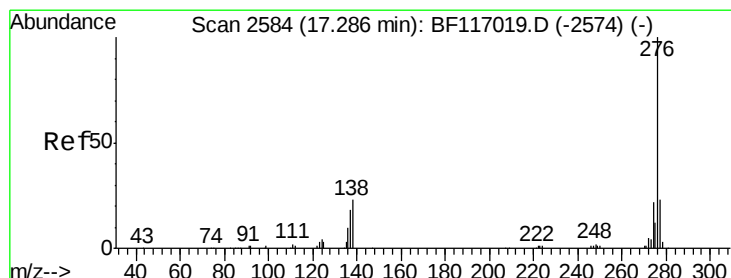
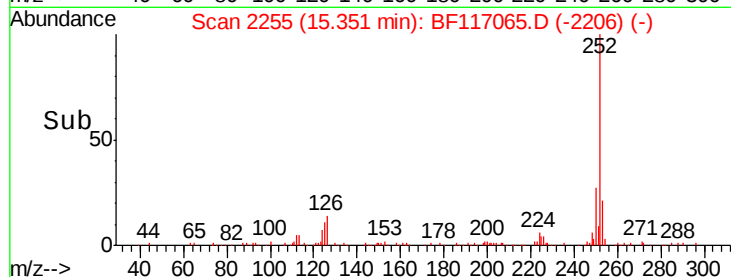
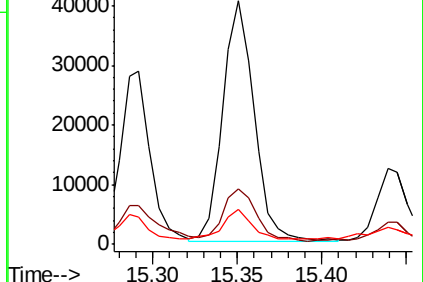
125 14.2 8.9 13.3#



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: 4.774 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BF117065.D

Acq: 16 Sep 2019 16:11

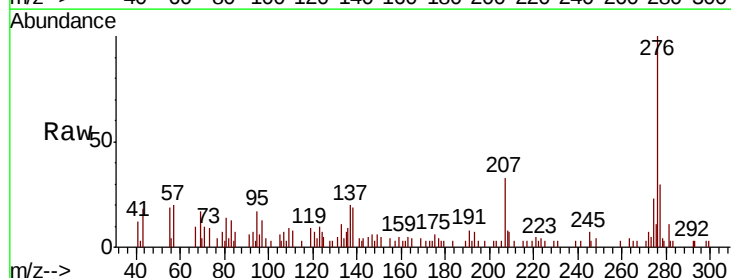
Tgt Ion:276 Resp: 27733

Ion Ratio Lower Upper

276 100

277 29.7 18.6 27.8#

138 19.3 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

