

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117080.D
 Acq On : 17 Sep 2019 00:12
 Operator : HP/JU
 Sample : K4863-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 17 05:17:37 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	6.83	152	55586	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	222946	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	99626	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	148919	20.00	ng	0.00
76) Chrysene-d12	13.97	240	88859	20.00	ng	0.00
87) Perylene-d12	15.42	264	70008	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	66579	18.70	ng	0.00
7) Phenol-d6	6.46	99	102823	22.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	52340	12.34	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	15876	19.07	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	105375	16.54	ng	0.00
79) Terphenyl-d14	12.92	244	85819	18.05	ng	0.00

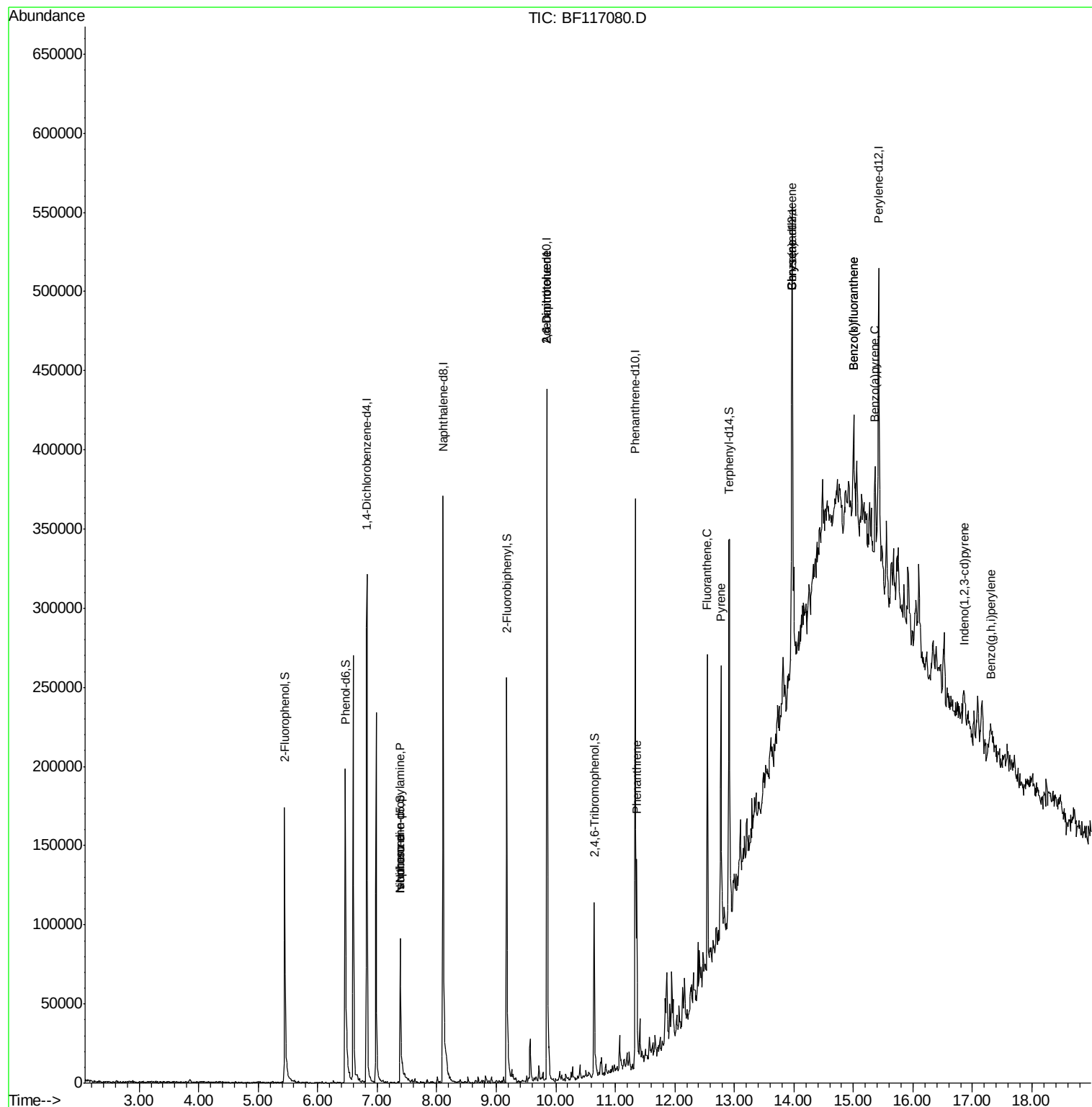
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	1865	Below Cal		# 89
19) n-Nitroso-di-n-propylamine	7.39	70	6473	2.310	ng	# 76
25) Isophorone	7.39	82	52340	6.967	ng	# 66
51) 2,6-Dinitrotoluene	9.85	165	13132	9.141	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	13132	7.042	ng	# 18
71) Phenanthrene	11.36	178	47937	5.667	ng	99
75) Fluoranthene	12.55	202	84057	9.672	ng	98
78) Pyrene	12.77	202	74373	9.975	ng	98
81) Benzo(a)anthracene	13.96	228	28447	4.792	ng	92
83) Chrysene	13.96	228	28447	4.913	ng	95
86) Indeno(1,2,3-cd)pyrene	16.86	276	11355	2.688	ng	96
88) Benzo(b)fluoranthene	15.00	252	33330	7.860	ng	# 73
89) Benzo(k)fluoranthene	15.00	252	33279	8.284	ng	# 73
90) Benzo(a)pyrene	15.36	252	17099	4.595	ng	# 70
92) Benzo(a,h,i)perylene	17.30	276	12810	4.336	ng	# 90

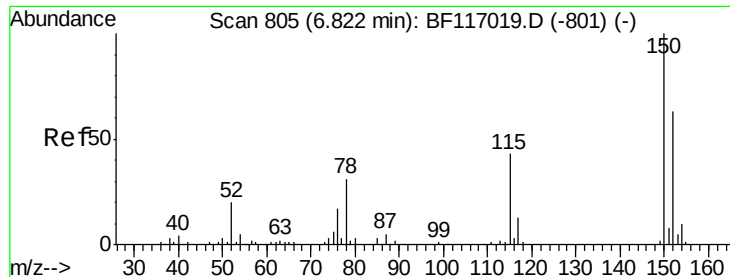
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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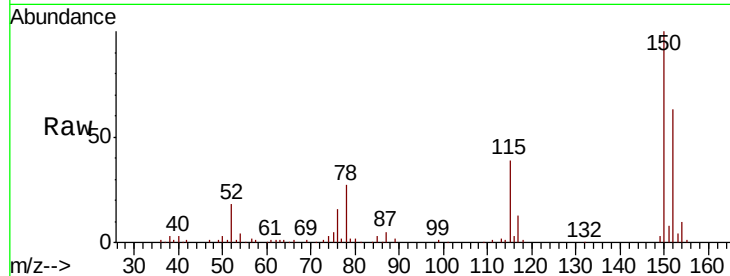


#1

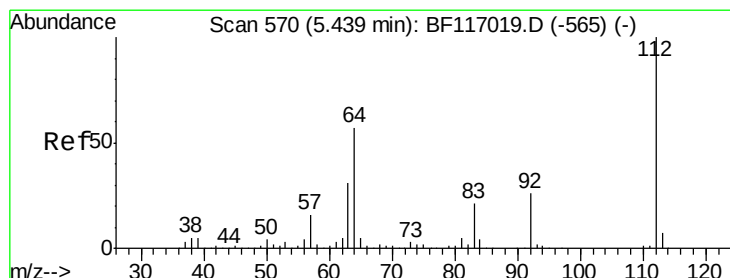
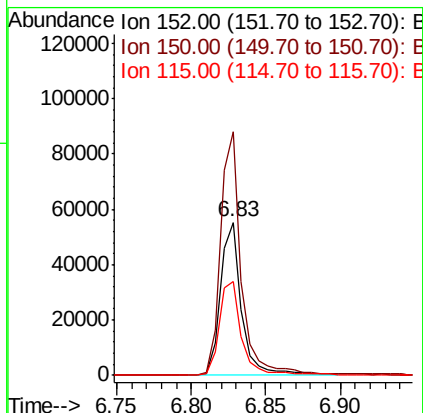
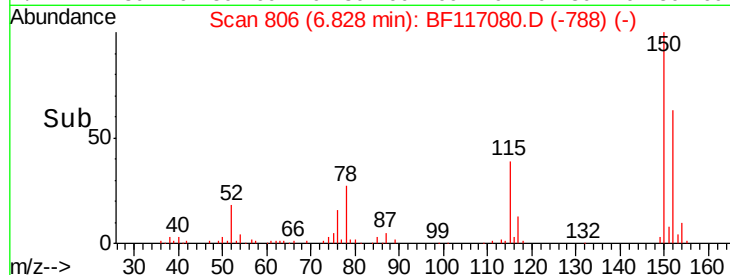
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 55586
Ion Ratio Lower Upper
152 100
150 159.1 127.5 191.3
115 61.3 55.0 82.4



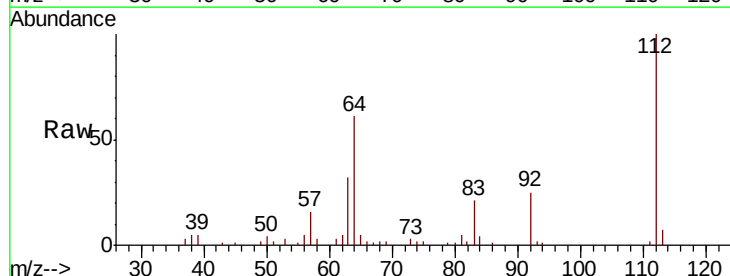
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



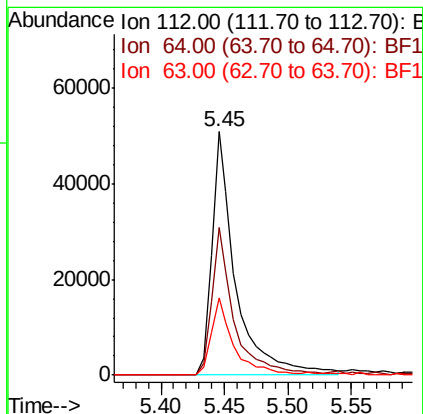
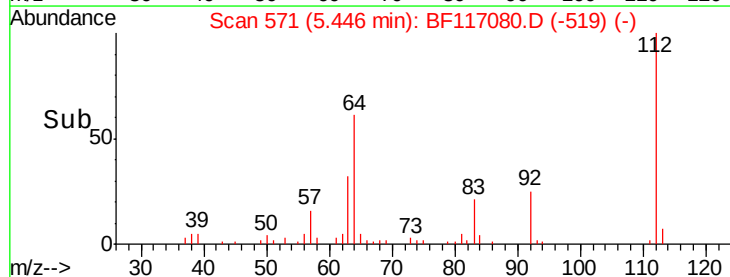
#5

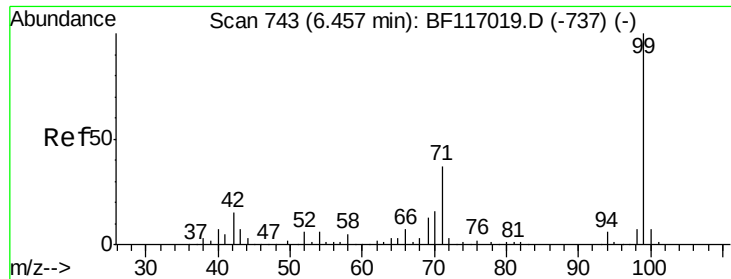
2-Fluorophenol
Concen: 18.700 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion:112 Resp: 66579
Ion Ratio Lower Upper
112 100
64 60.9 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: 22.347 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

ClientSampled :

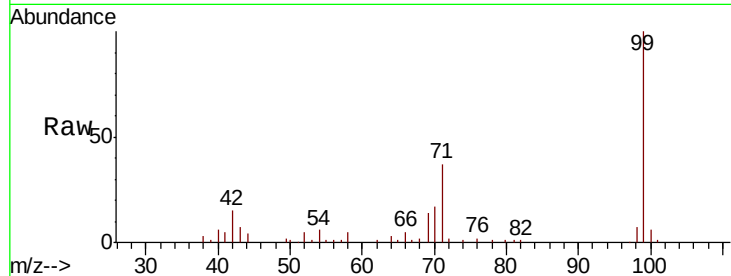
Tot Ion: 99 Resp: 102823

Ion Ratio Lower Upper

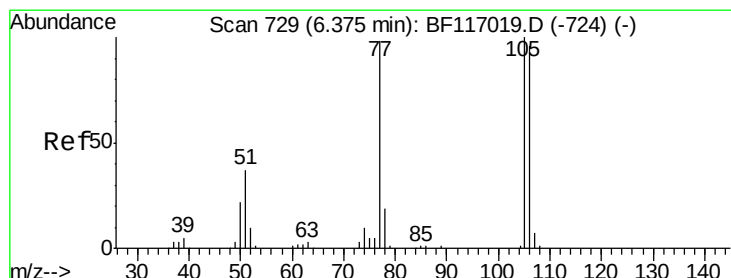
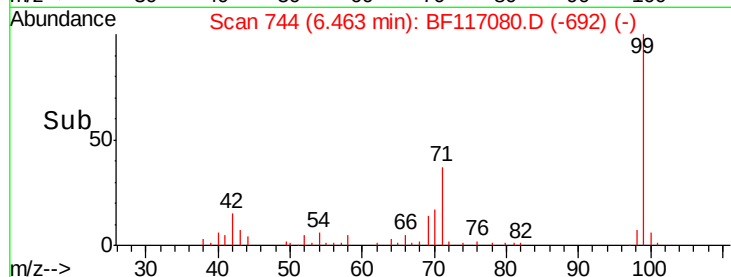
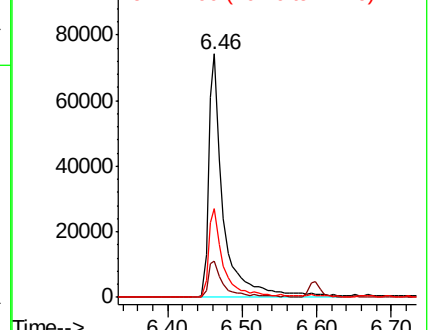
99 100

42 15.0 12.2 18.2

71 36.6 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: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

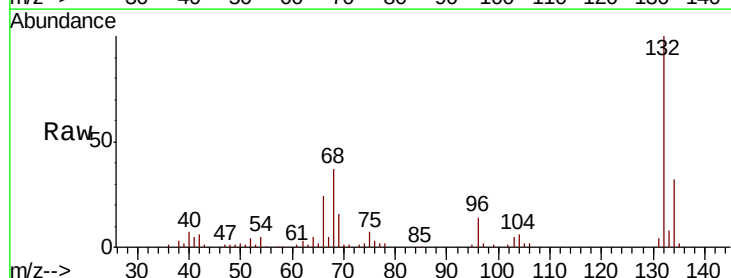
Tgt Ion: 77 Resp: 1865

Ion Ratio Lower Upper

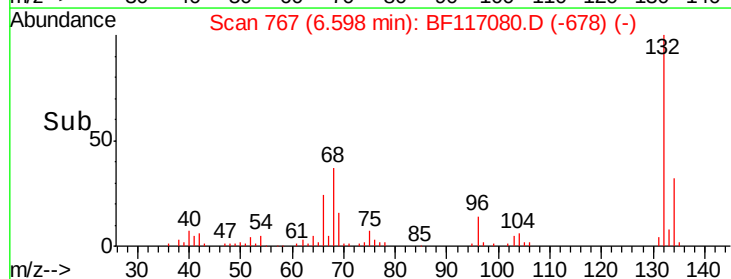
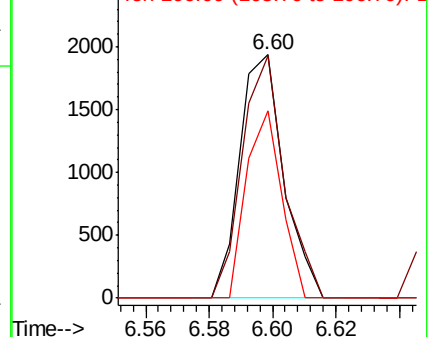
77 100

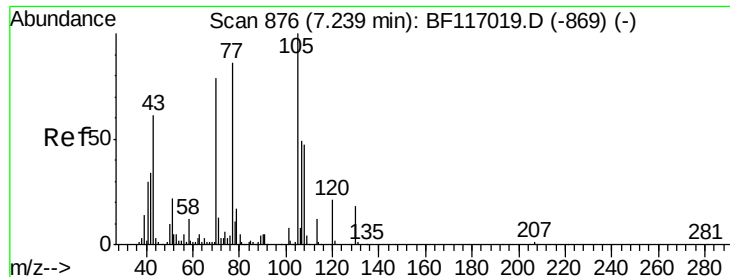
105 99.3 81.8 121.8

106 76.7 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: 2.310 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF117080.D

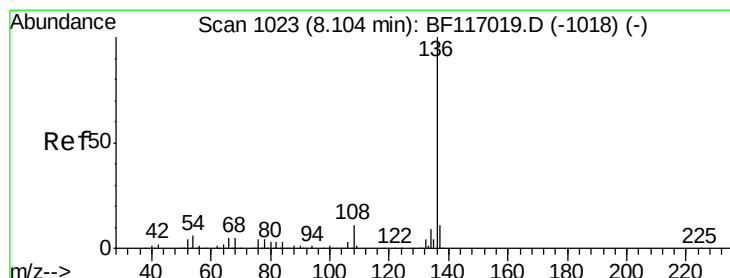
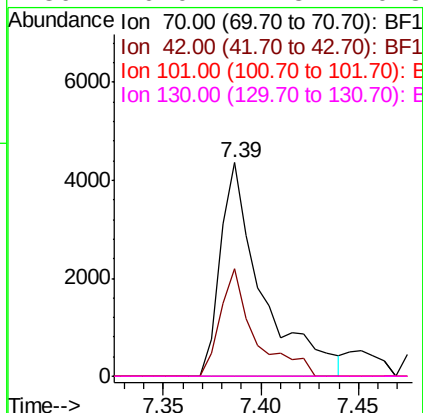
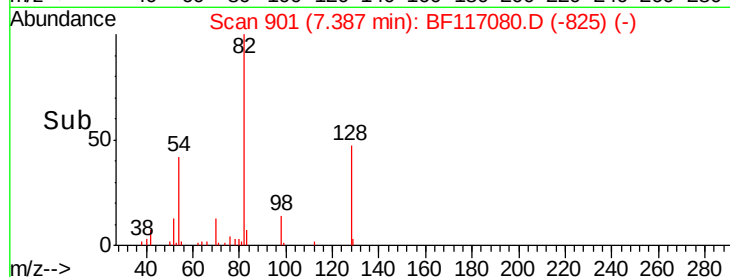
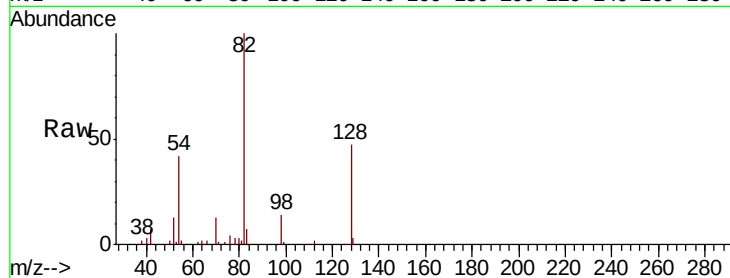
Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	6473
Ion	Ratio	Lower	Upper
70	100		
42	50.1	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

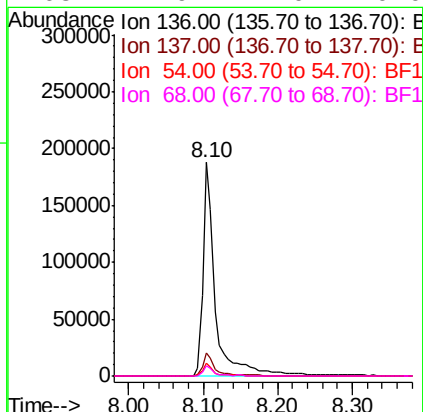
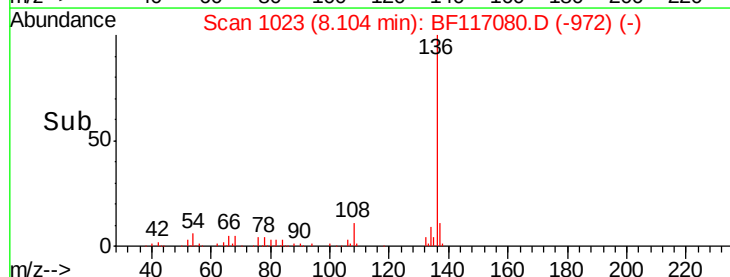
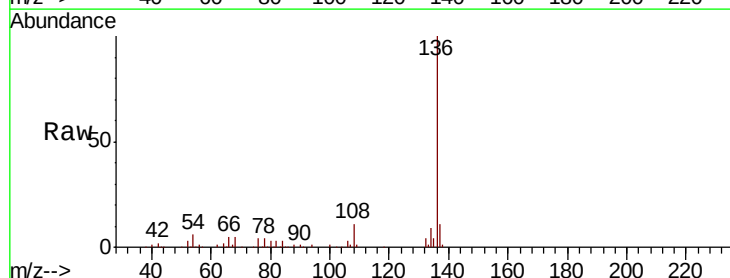
RT: 8.10 min Scan# 1023

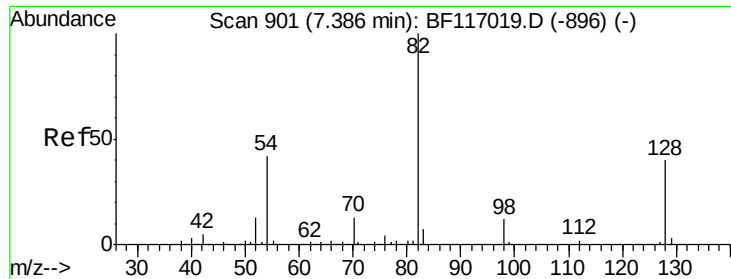
Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Tgt Ion:	136	Resp:	222946
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.8	4.5	6.7
68	4.9	4.0	6.0

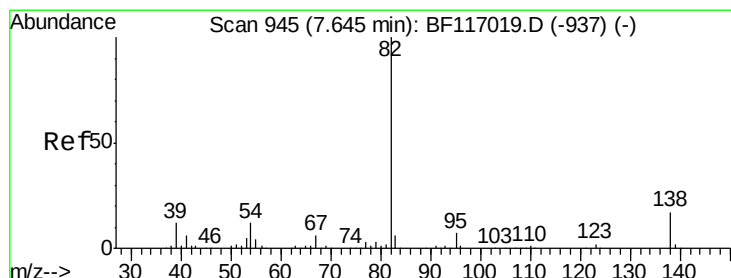
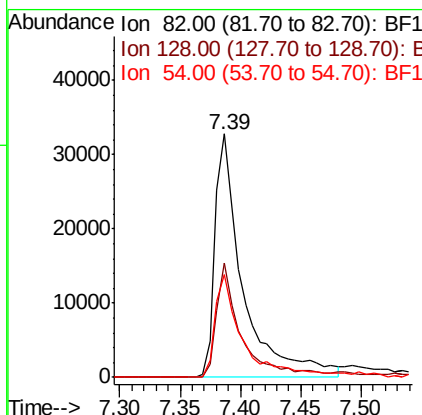
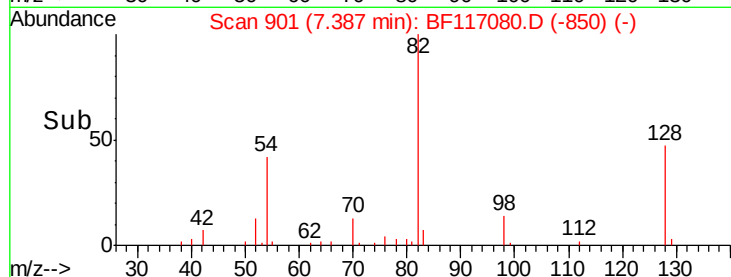
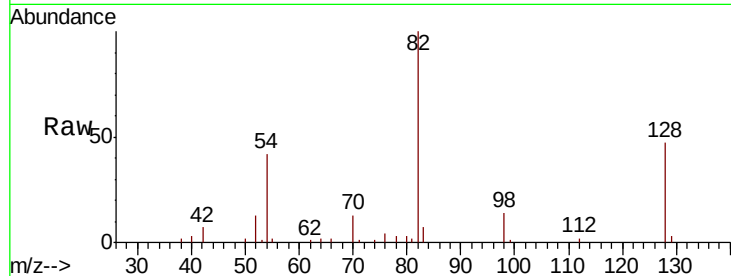




#23
 Nitrobenzene-d5
 Concen: 12.335 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

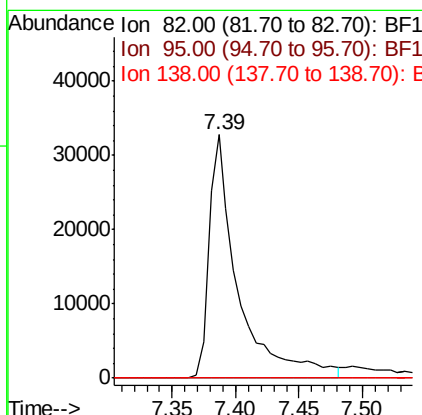
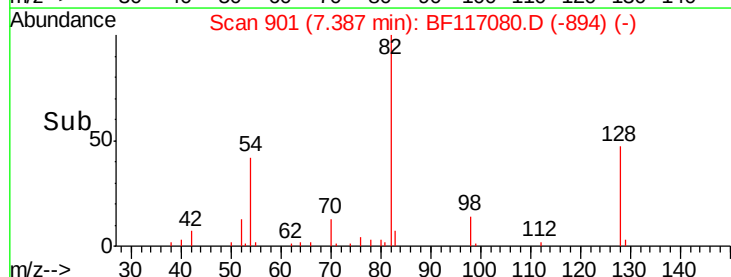
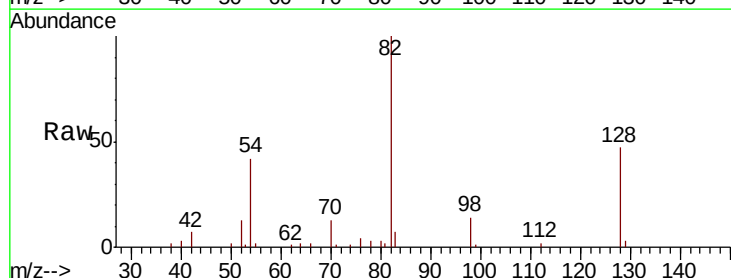
Instrument :
 BNA_F
 ClientSampled :

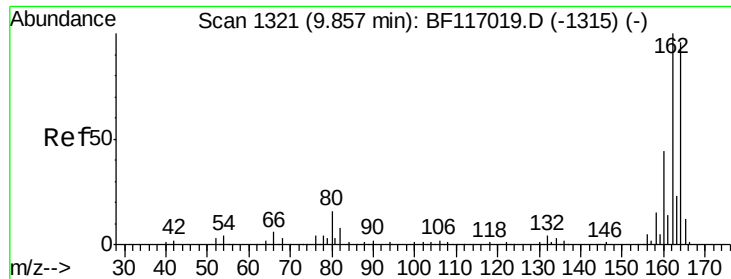
Tot Ion	82	Resp	52340
Ion Ratio	Lower	Upper	
82	100		
128	47.0	32.3	48.5
54	42.1	33.3	49.9



#25
 Isophorone
 Concen: 6.967 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.26 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Tgt Ion	82	Resp	52340
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

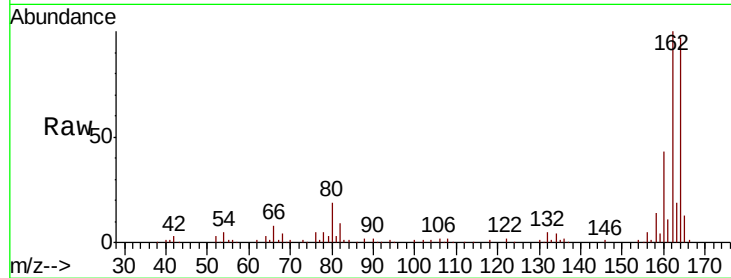




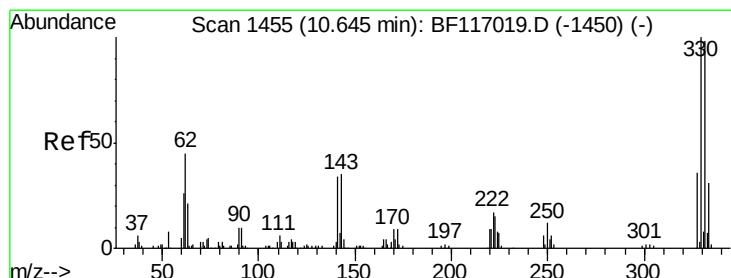
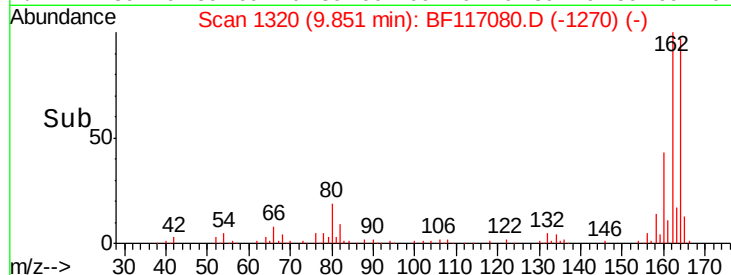
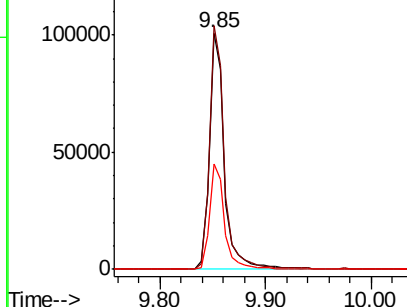
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 99626
Ion Ratio Lower Upper
164 100
162 103.1 83.4 125.2
160 44.4 36.4 54.6

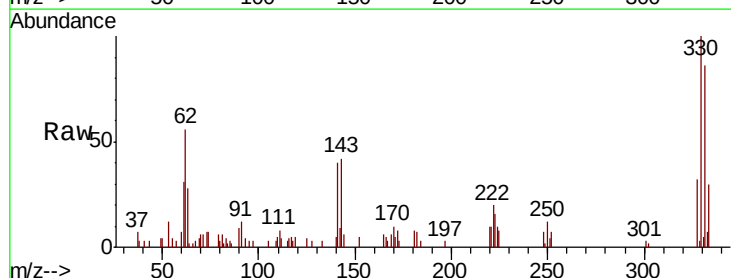


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

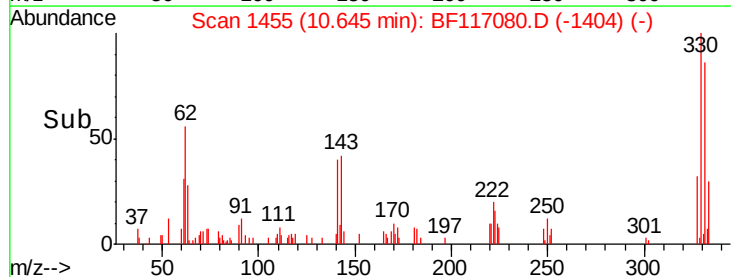
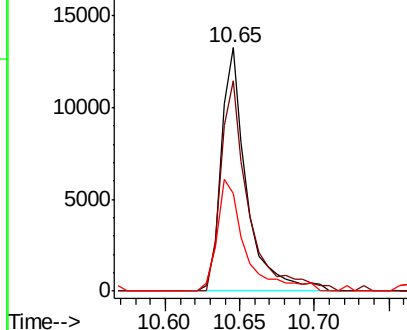


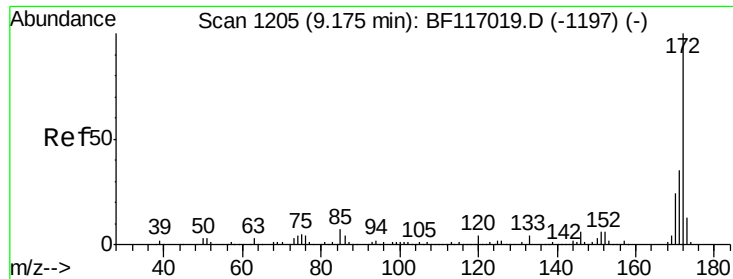
#42
2,4,6-Tribromophenol
Concen: 19.067 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion:330 Resp: 15876
Ion Ratio Lower Upper
330 100
332 92.8 78.0 117.0
141 50.3 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

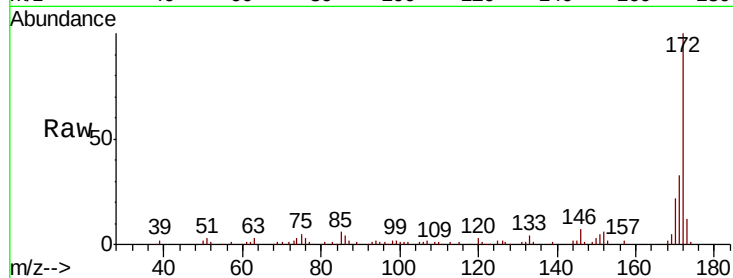




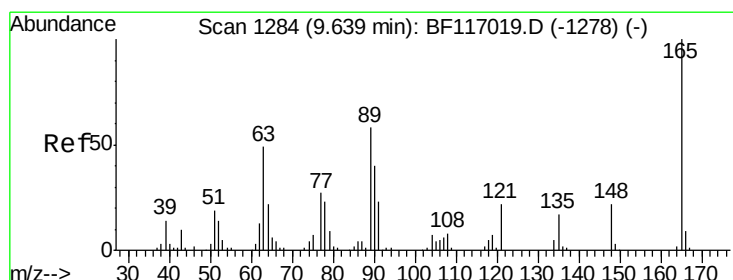
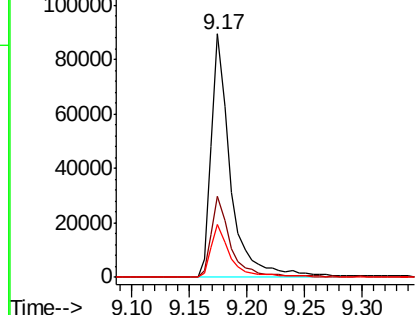
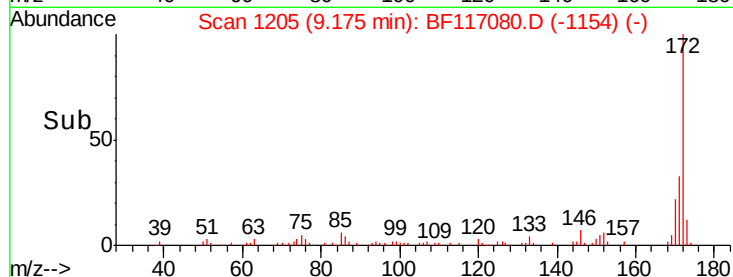
#45
 2-Fluorobiphenyl
 Concen: 16.538 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.4	28.2	42.2
170	21.8	18.9	28.3

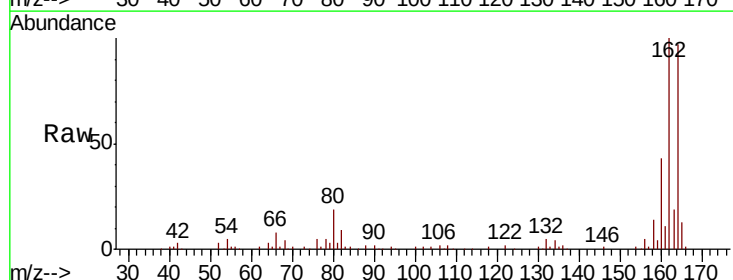


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

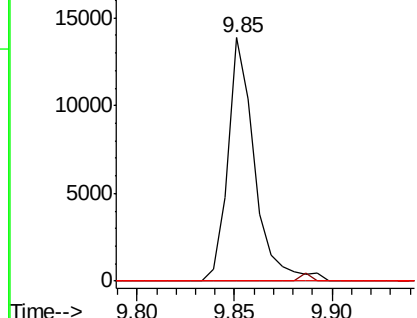
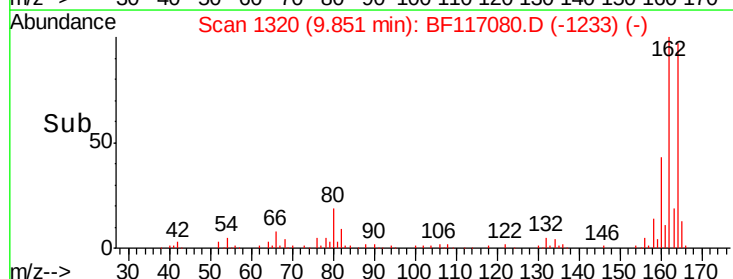


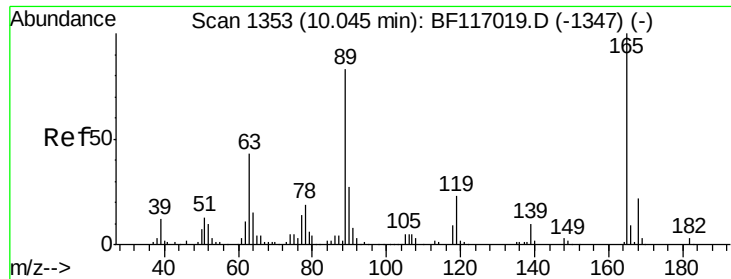
#51
 2,6-Dinitrotoluene
 Concen: 9.141 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.21 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Tgt 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

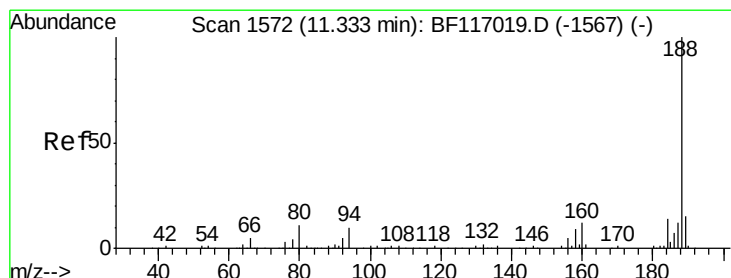
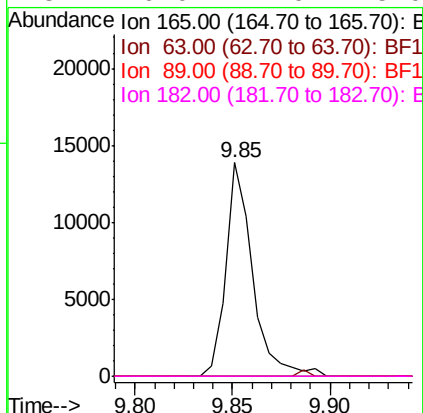
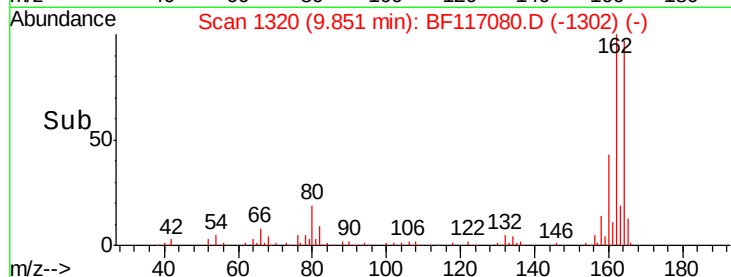
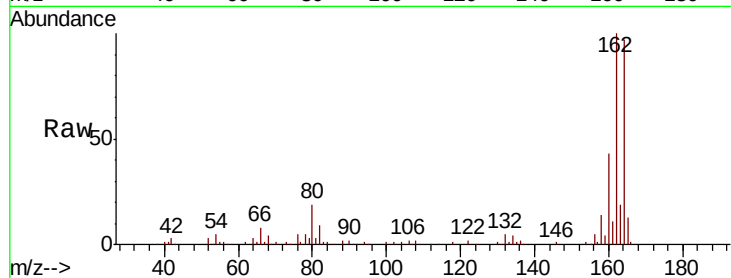




#57
 2,4-Dinitrotoluene
 Concen: 7.042 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

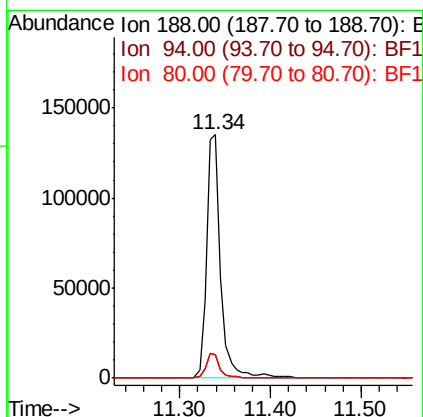
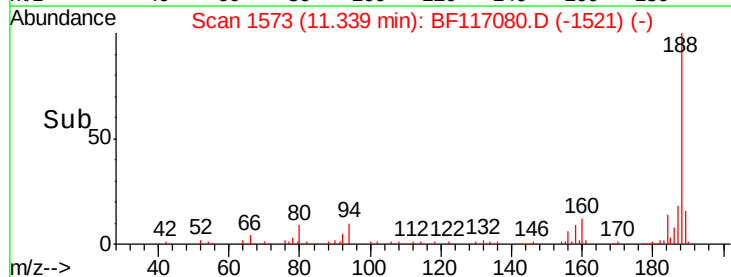
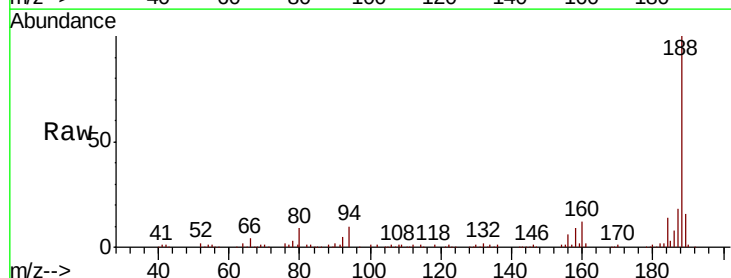
Instrument :
 BNA_F
 ClientSampleId :

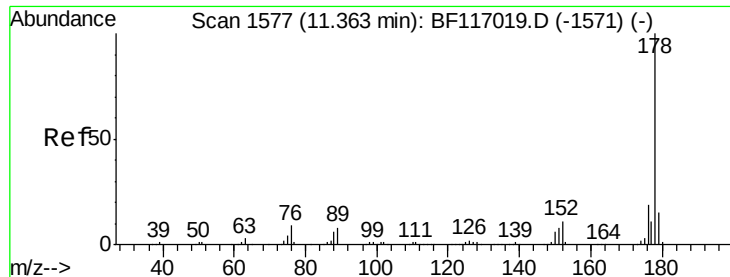
Tot Ion:165 Resp: 13132
 Ion Ratio Lower Upper
 165 100
 63 0.0 35.0 52.4#
 89 0.0 66.1 99.1#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Tgt Ion:188 Resp: 148919
 Ion Ratio Lower Upper
 188 100
 94 9.5 8.2 12.2
 80 9.5 9.0 13.6

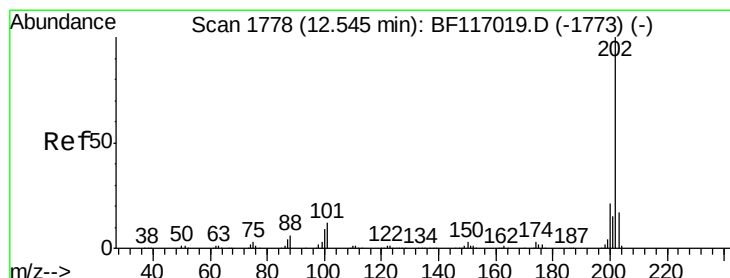
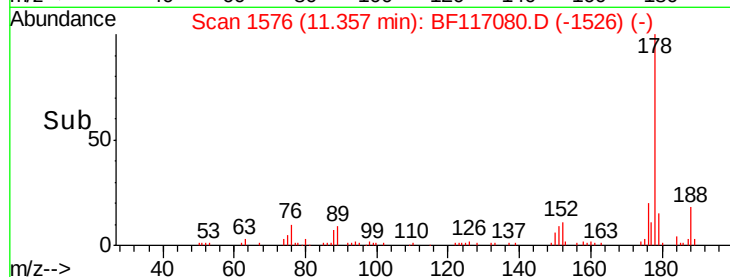
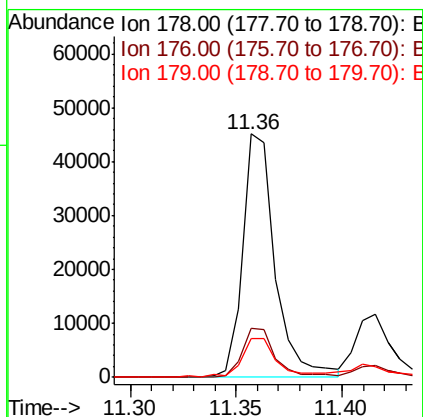
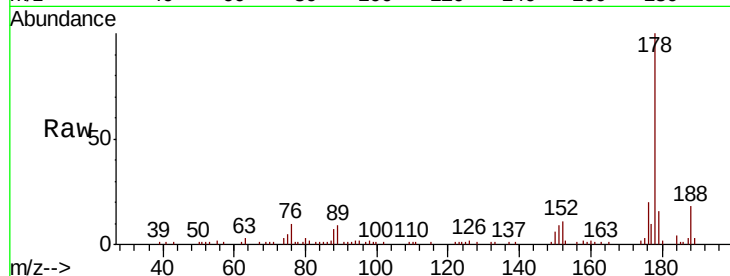




#71
Phenanthrene
Concen: 5.667 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

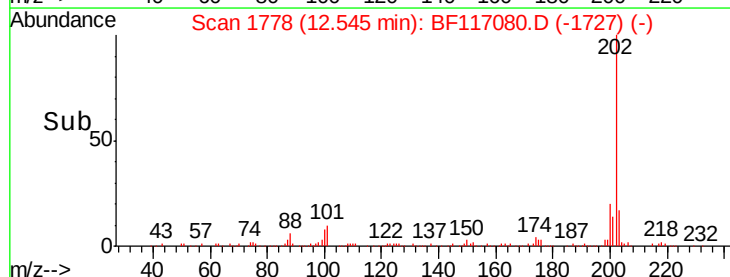
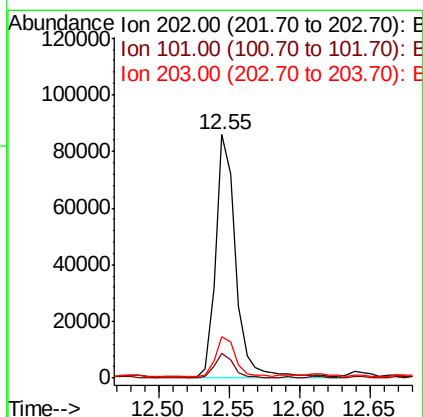
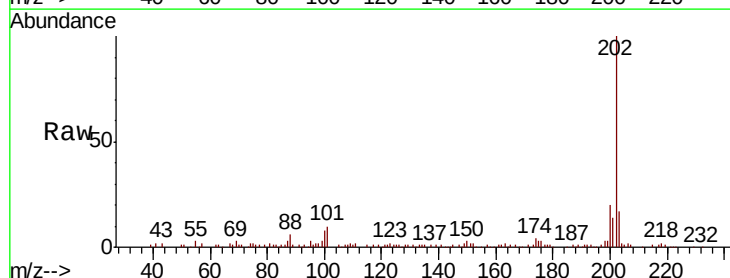
Instrument :
BNA_F
ClientSampleId :

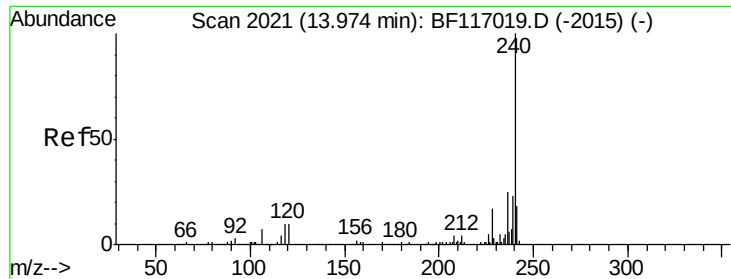
Tot Ion:178 Resp: 47937
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 16.0 12.4 18.6



#75
Fluoranthene
Concen: 9.672 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion:202 Resp: 84057
Ion Ratio Lower Upper
202 100
101 10.4 0.0 32.3
203 17.0 0.0 37.1

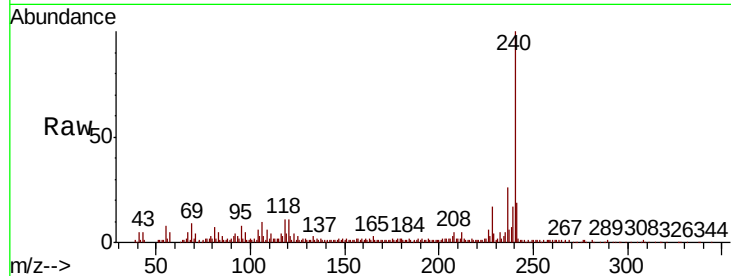




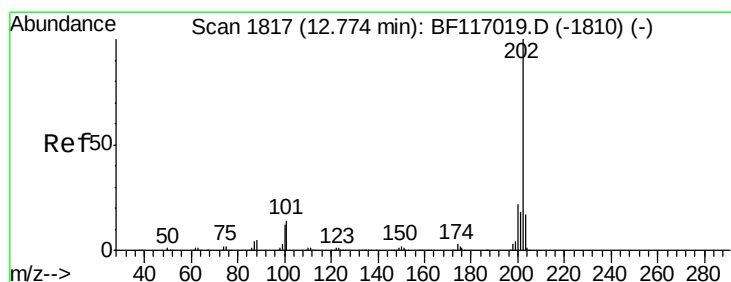
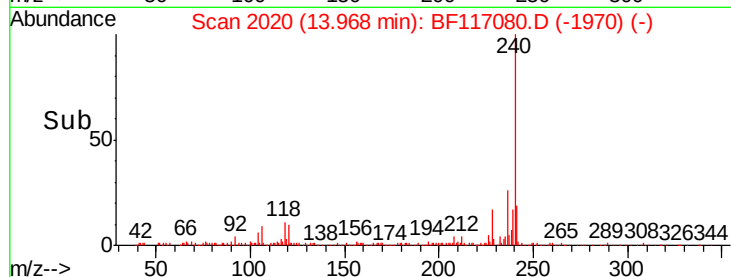
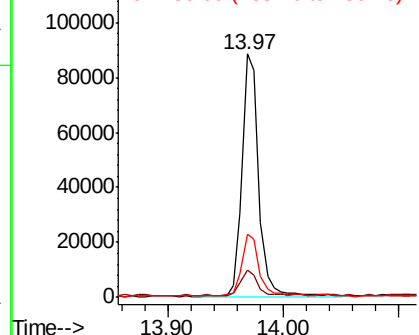
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.3	12.5
236	26.2	20.3	30.5

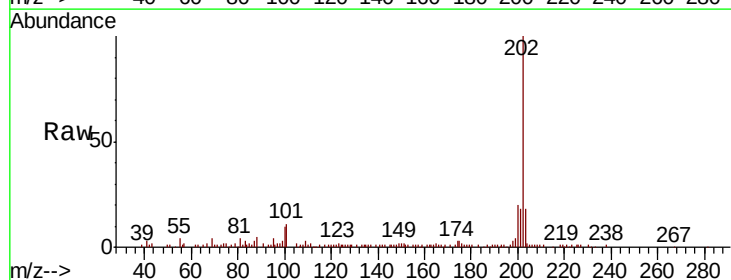


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

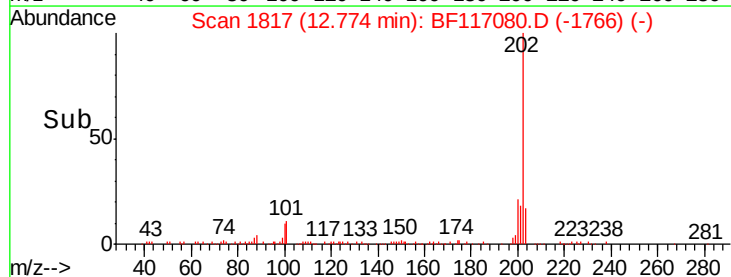
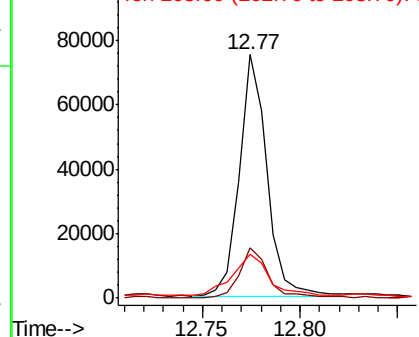


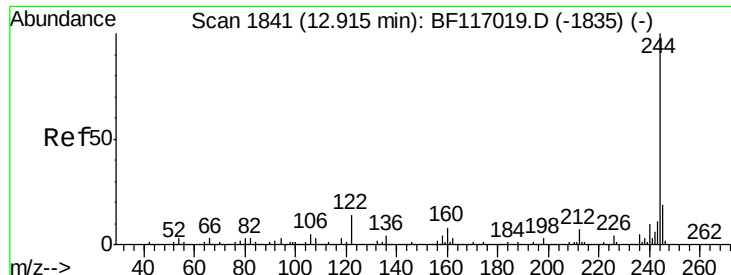
#78
Pyrene
Concen: 9.975 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	18.0	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: 18.053 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

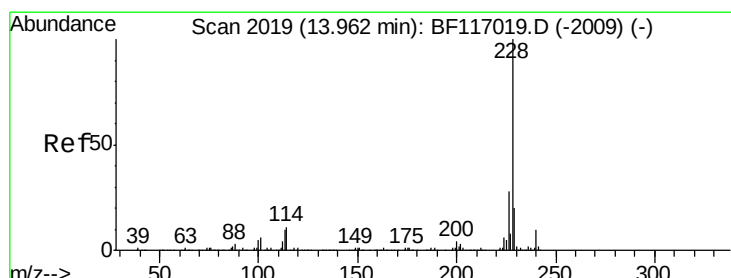
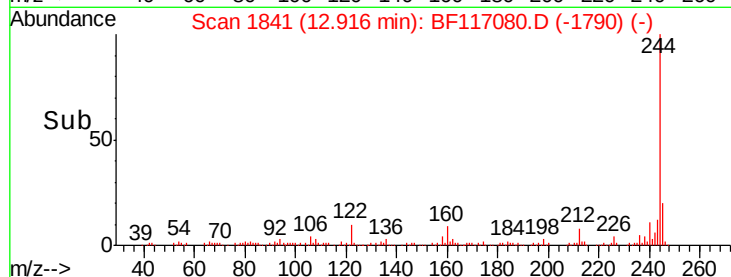
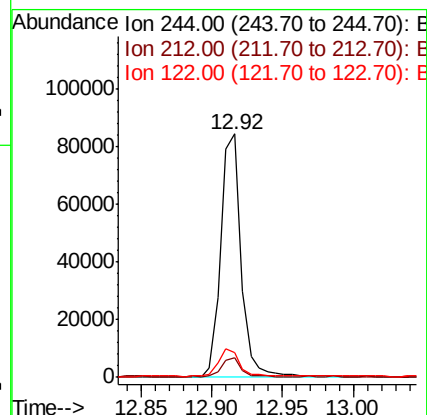
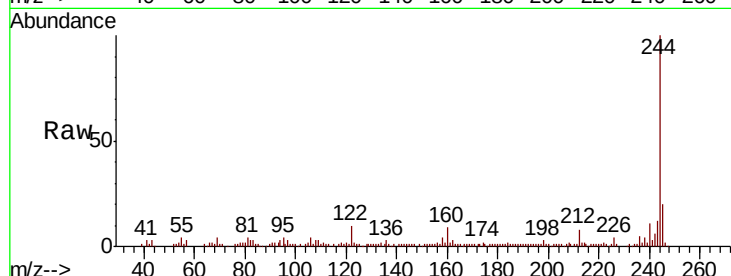
Tot Ion:244 Resp: 85819

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

122 10.0 11.3 16.9#



#81

Benzo(a)anthracene

Concen: 4.792 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

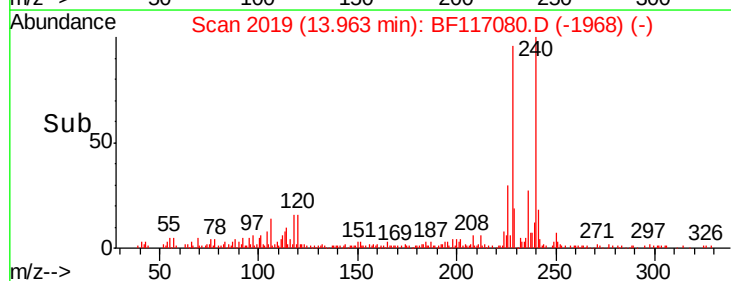
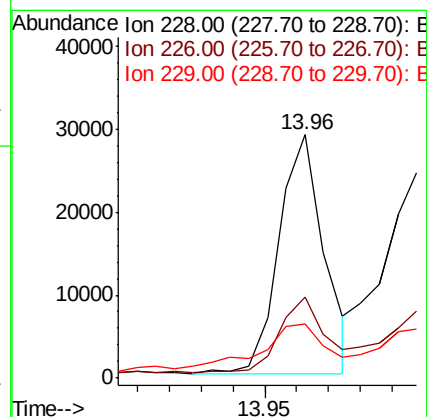
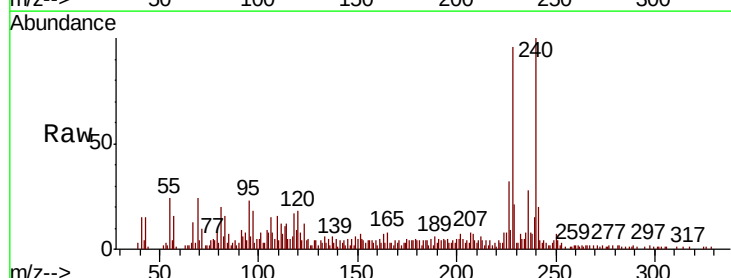
Tgt Ion:228 Resp: 28447

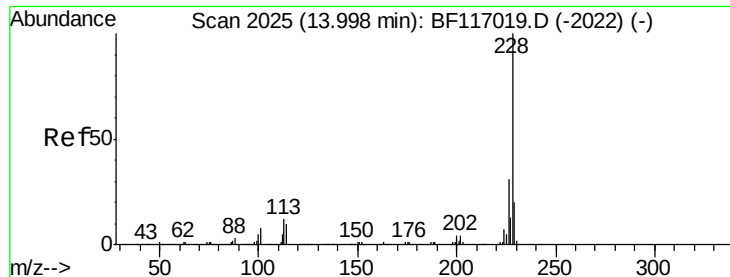
Ion Ratio Lower Upper

228 100

226 33.3 22.3 33.5

229 22.2 15.9 23.9





#83

Chrysene

Concen: 4.913 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.04 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

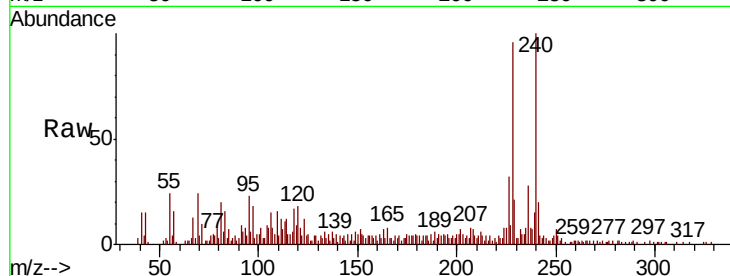
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 28447

Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.8	37.2
229	22.2	15.8	23.8

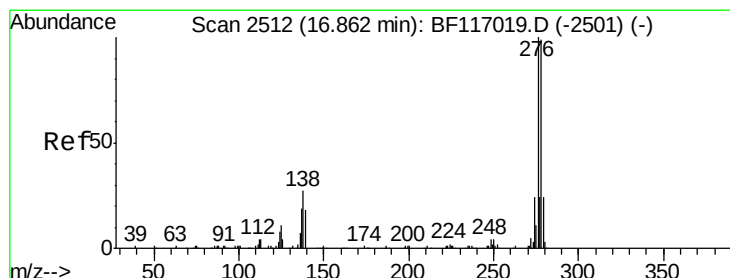
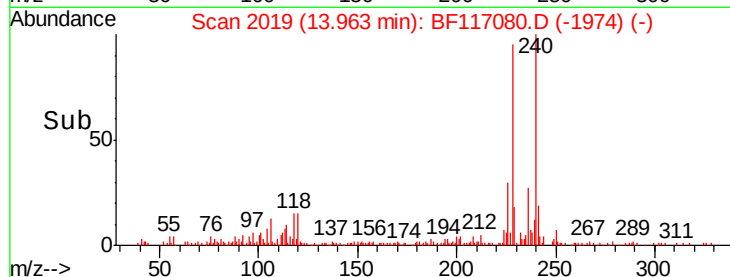
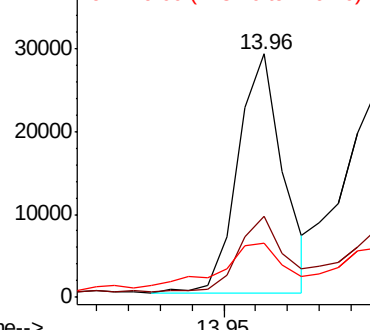


Abundance

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: 2.688 ng

RT: 16.86 min Scan# 2512

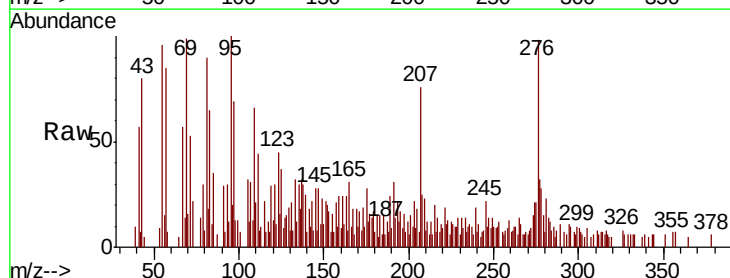
Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Tgt Ion:276 Resp: 11355

Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.7	31.1
277	28.1	19.8	29.8

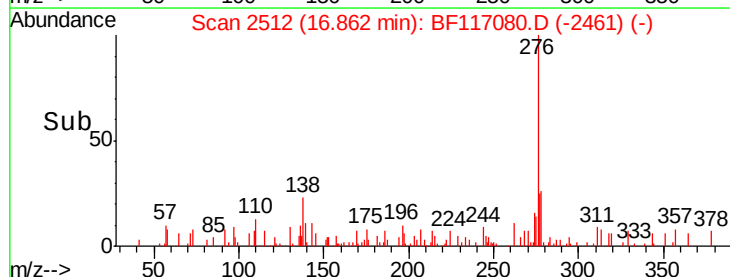
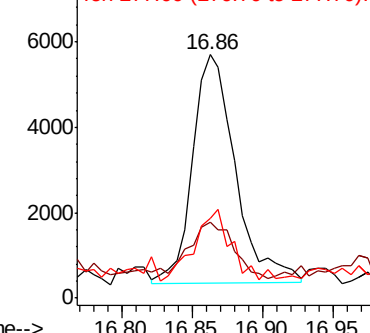


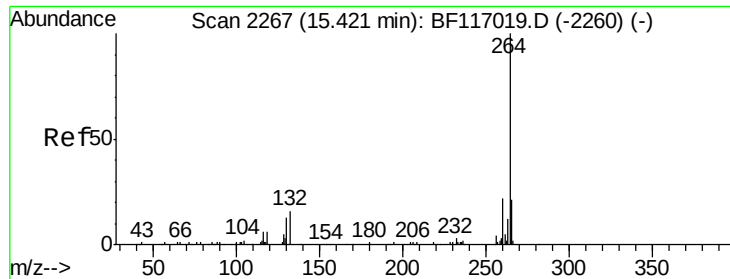
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

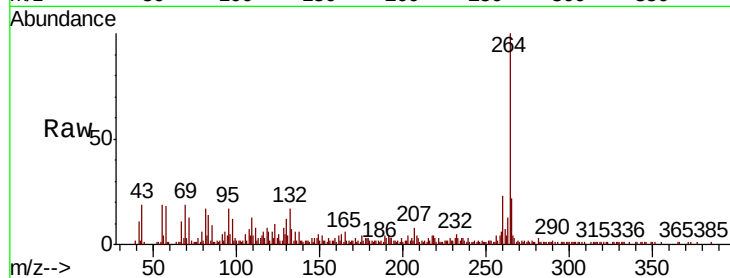
Tot Ion:264 Resp: 70008

Ion Ratio Lower Upper

264 100

260 23.4 17.6 26.4

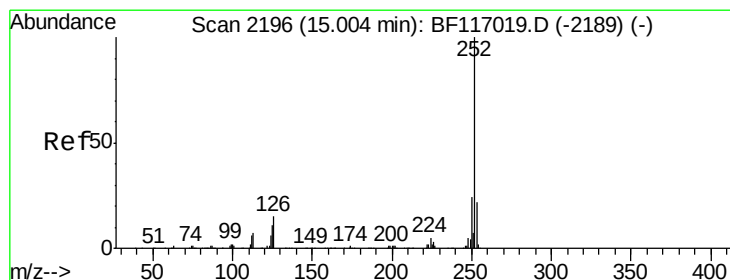
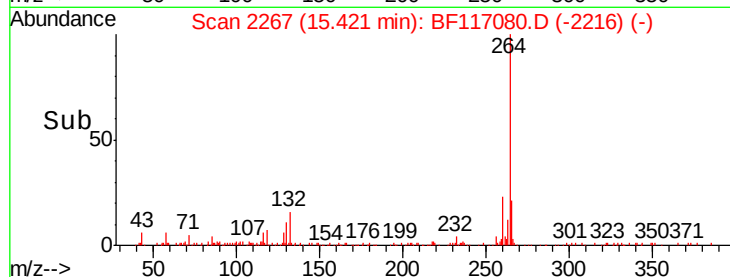
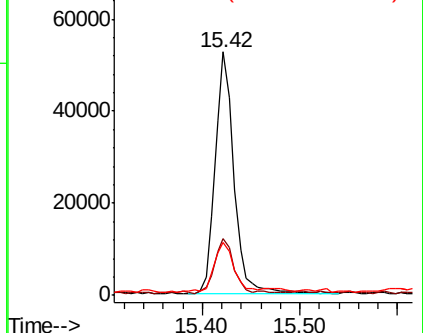
265 21.6 16.6 24.8



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: 7.860 ng

RT: 15.00 min Scan# 2196

Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

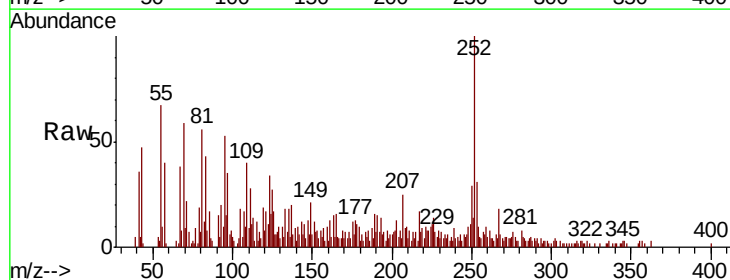
Tgt Ion:252 Resp: 33330

Ion Ratio Lower Upper

252 100

253 30.7 17.6 26.4#

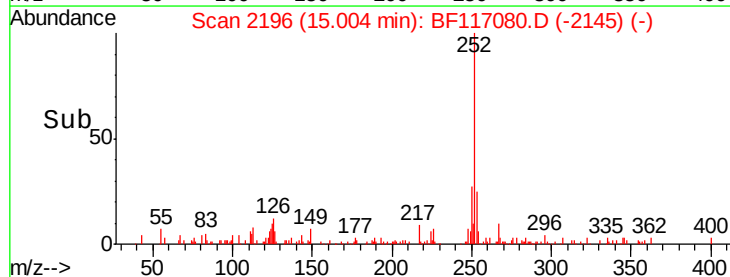
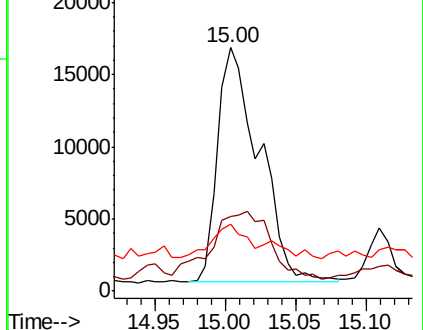
125 27.4 8.6 12.8#

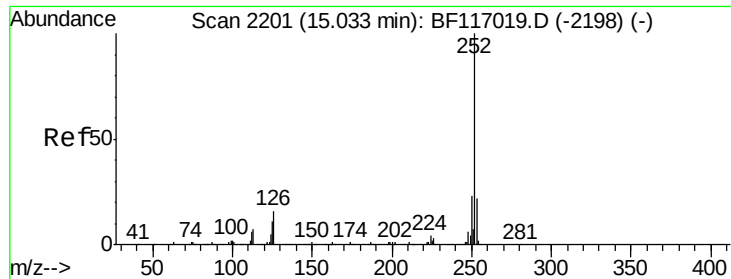


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

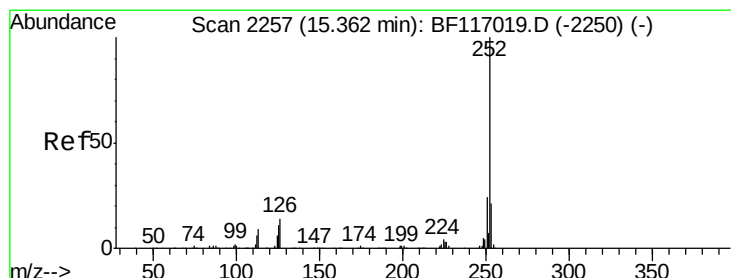
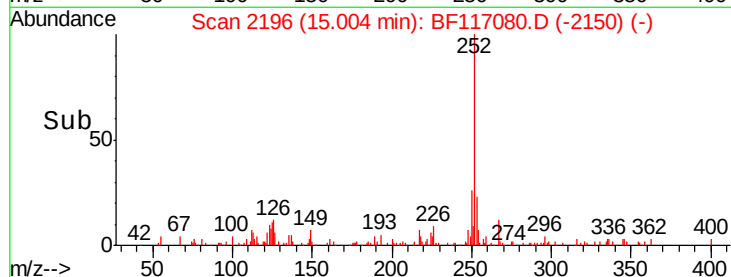
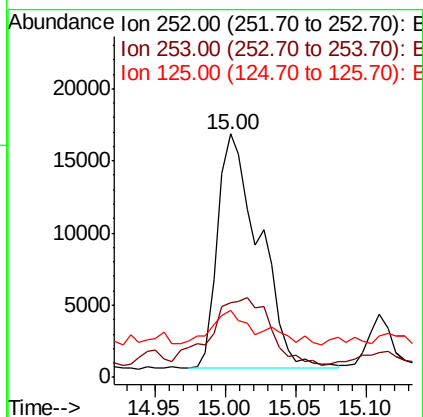
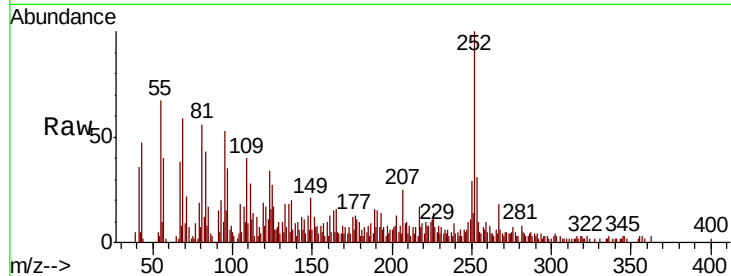




#89
Benzo(k)fluoranthene
Concen: 8.284 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

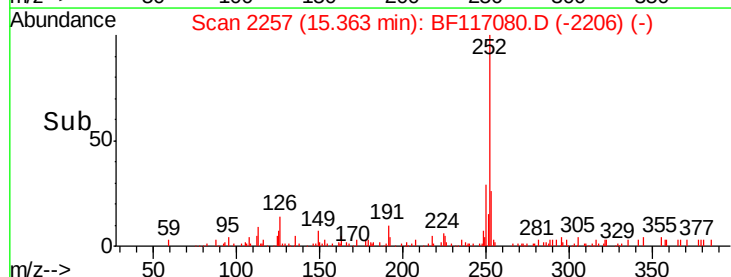
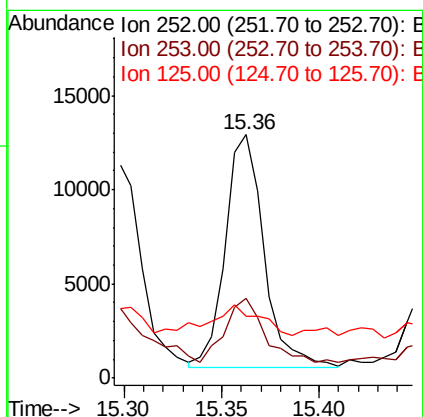
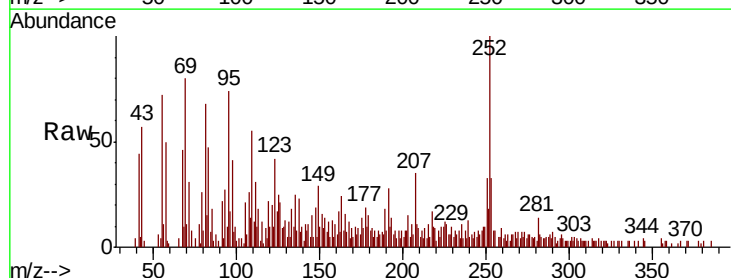
Instrument :
BNA_F
ClientSampleId :

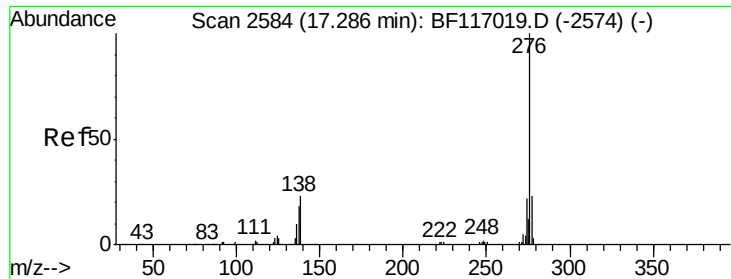
Tot Ion:252 Resp: 33279
Ion Ratio Lower Upper
252 100
253 30.7 17.4 26.2#
125 27.4 8.8 13.2#



#90
Benzo(a)pyrene
Concen: 4.595 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion:252 Resp: 17099
Ion Ratio Lower Upper
252 100
253 33.0 16.6 25.0#
125 25.4 8.9 13.3#





#92

Benzo(a,h,i)perylene

Concen: 4.336 ng

RT: 17.30 min Scan# 2587

Delta R.T. 0.02 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

ClientSampleId :

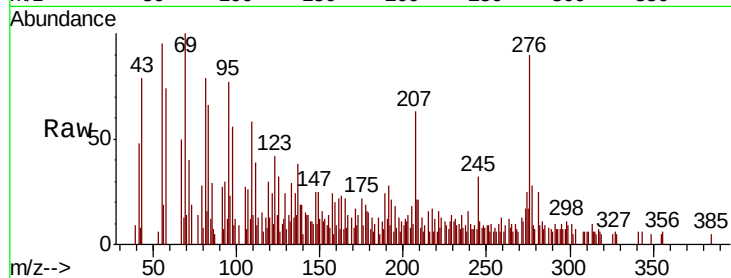
Tot Ion:276 Resp: 12810

Ion Ratio Lower Upper

276 100

277 31.5 18.6 27.8#

138 20.9 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

