

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081319\
 Data File : BF116233.D
 Acq On : 13 Aug 2019 15:54
 Operator : HP/JU
 Sample : K4227-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMP

Quant Time: Aug 13 23:18:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	149369	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	601503	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	331895	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	611306	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	470809	20.00	ng	0.00
87) Perylene-d12	15.47	264	421101	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	909837	101.97	ng	0.00
7) Phenol-d6	6.47	99	1226218	108.93	ng	-0.01
23) Nitrobenzene-d5	7.40	82	796466	76.43	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	360912	112.16	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1342042	75.74	ng	-0.01
79) Terphenyl-d14	12.94	244	1549960	69.37	ng	0.00

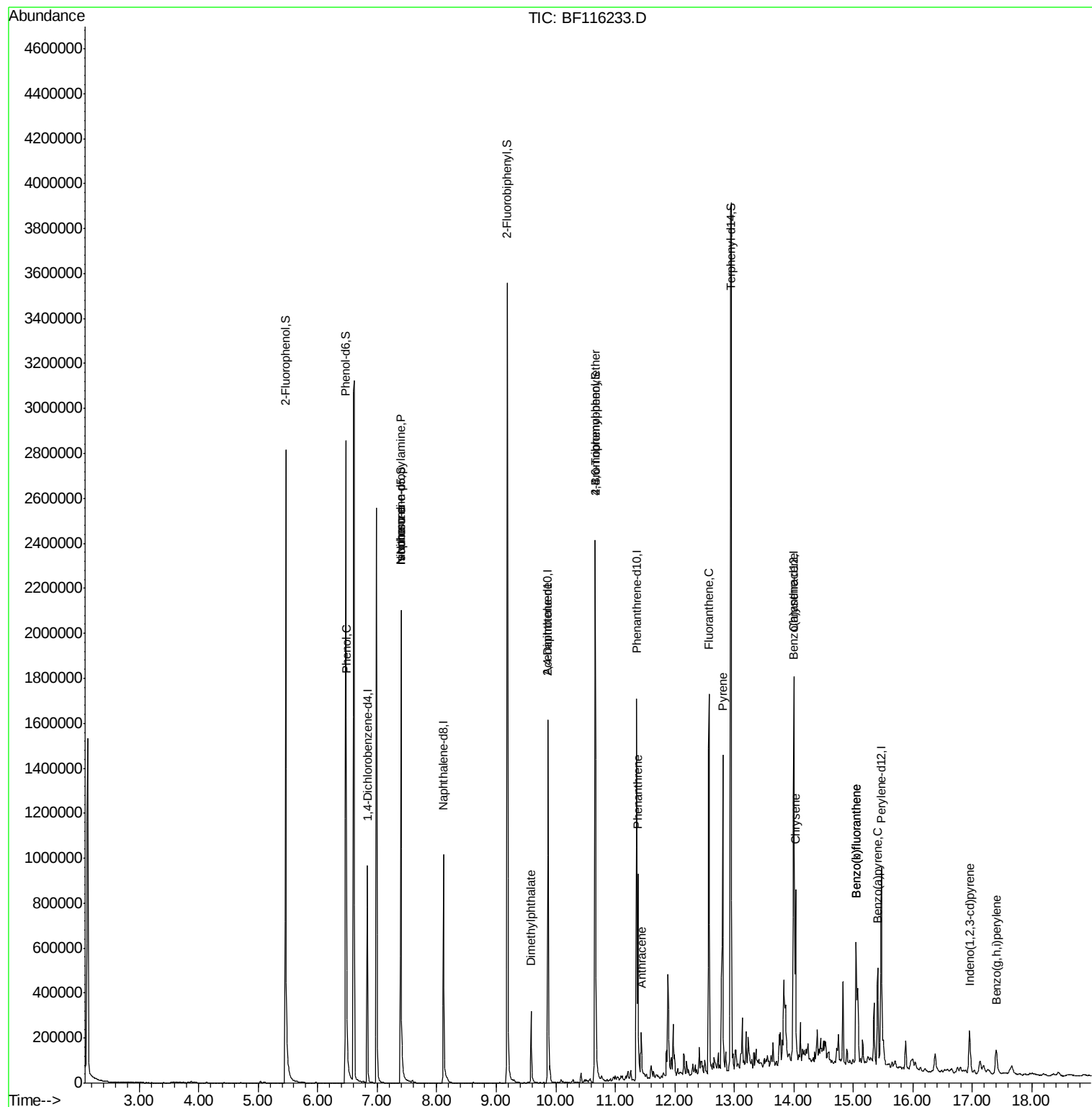
Target Compounds				Qvalue		
10) Phenol	6.49	94	58999	4.451	ng	84
19) n-Nitroso-di-n-propylamine	7.40	70	102822	14.740	ng	# 79
25) Isophorone	7.40	82	796461	39.972	ng	# 65
50) Dimethylphthalate	9.59	163	182353	8.069	ng	99
57) 2,4-Dinitrotoluene	9.87	165	42511	6.502	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	21814	3.333	ng	# 1
71) Phenanthrene	11.38	178	347470	11.119	ng	99
72) Anthracene	11.44	178	100375	3.174	ng	98
75) Fluoranthene	12.57	202	685002	20.937	ng	100
78) Pyrene	12.80	202	602824	16.986	ng	99
81) Benzo(a)anthracene	13.99	228	349221	11.605	ng	99
83) Chrysene	14.03	228	274293	9.389	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	119009	4.850	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	423541	17.395	ng	99
89) Benzo(k)fluoranthene	15.04	252	423336	17.850	ng	# 98
90) Benzo(a)pyrene	15.41	252	211019	9.695	ng	98
92) Benzo(g,h,i)perylene	17.40	276	103101	5.572	ng	95

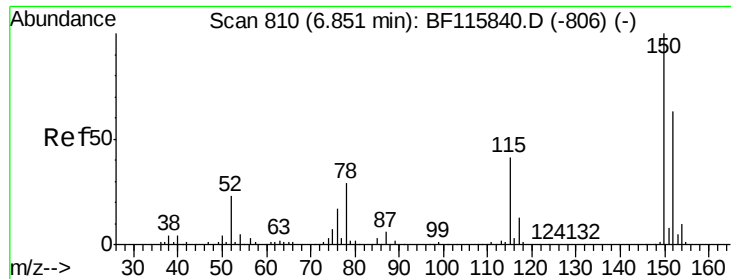
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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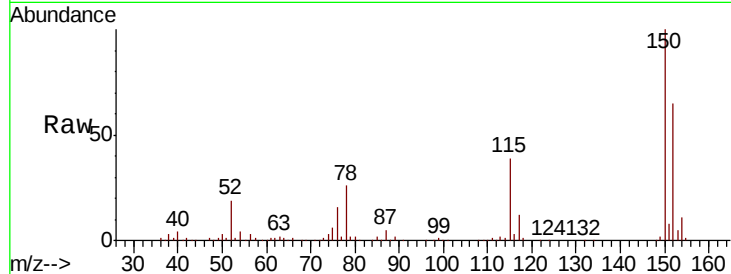


#1

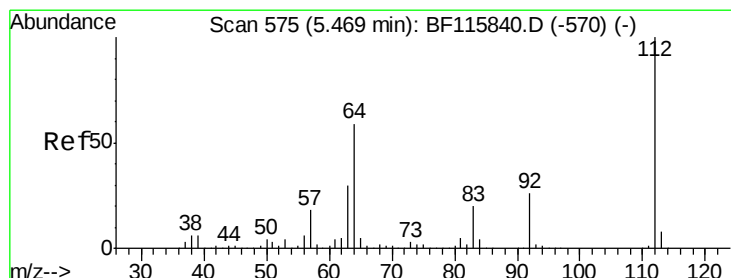
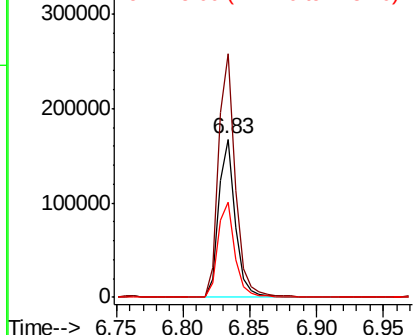
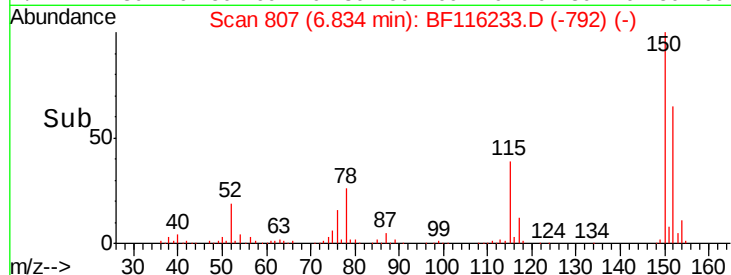
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	60.0	49.9	74.9



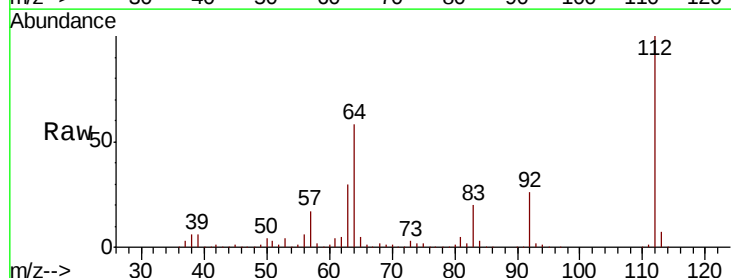
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



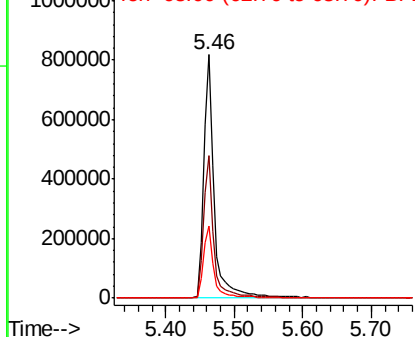
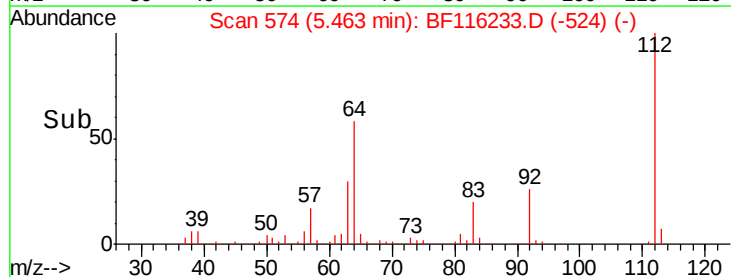
#5

2-Fluorophenol
 Concen: 101.971 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	45.4	68.2
63	29.6	23.7	35.5



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: 108.926 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116233.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_F

ClientSampleId :

1S-I-(0-1)-COMP

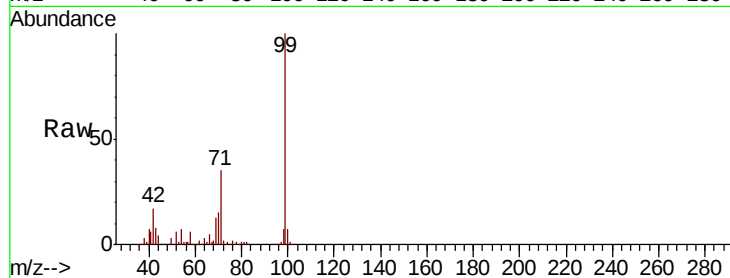
Tgt Ion: 99 Resp: 1226218

Ion Ratio Lower Upper

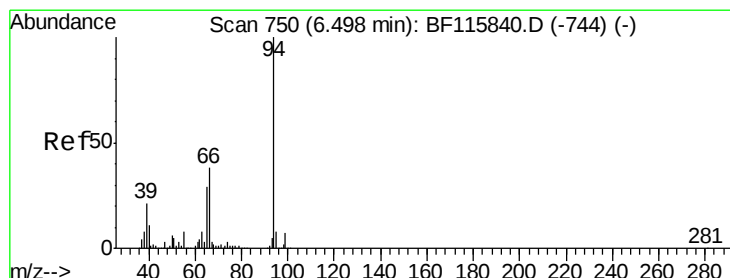
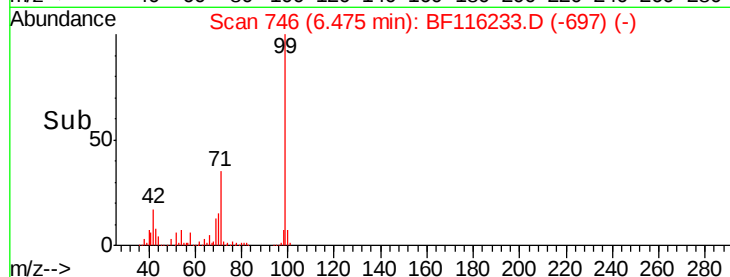
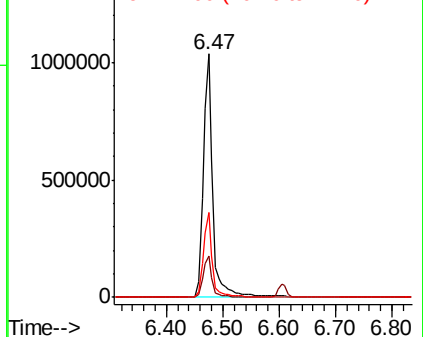
99 100

42 16.9 13.8 20.8

71 34.6 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.451 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116233.D

Acq: 13 Aug 2019 15:54

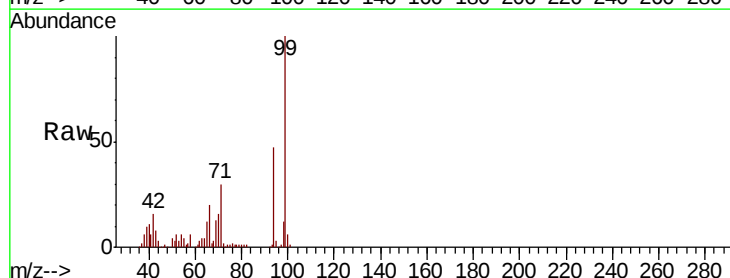
Tgt Ion: 94 Resp: 58999

Ion Ratio Lower Upper

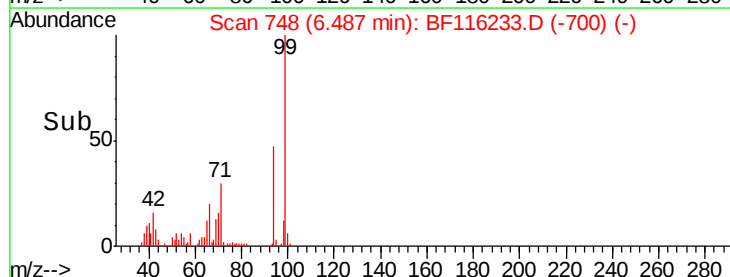
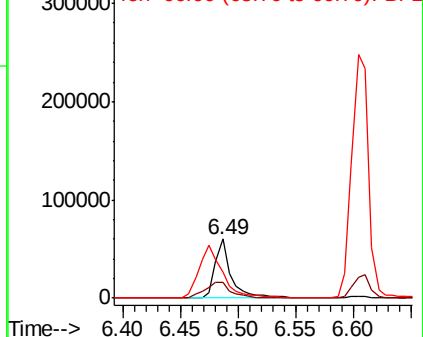
94 100

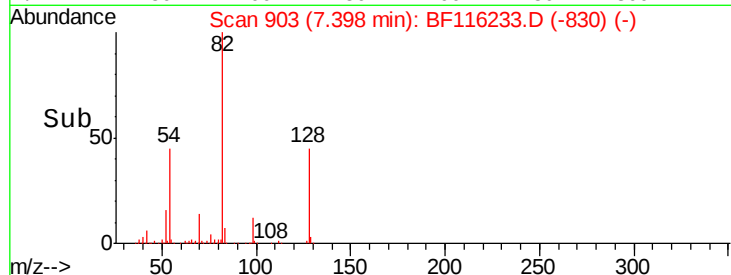
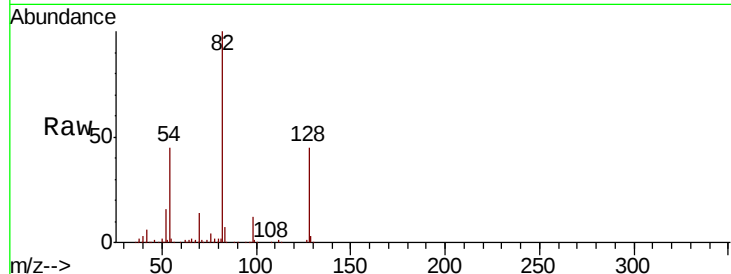
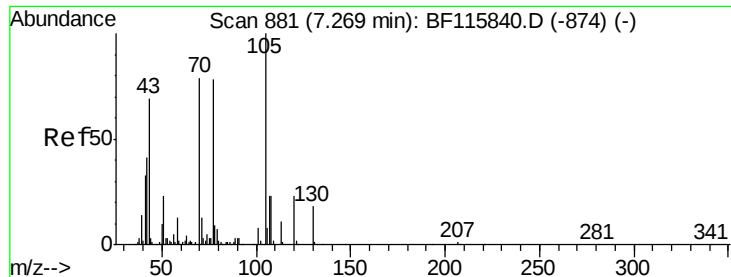
65 26.3 16.8 56.8

66 43.7 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

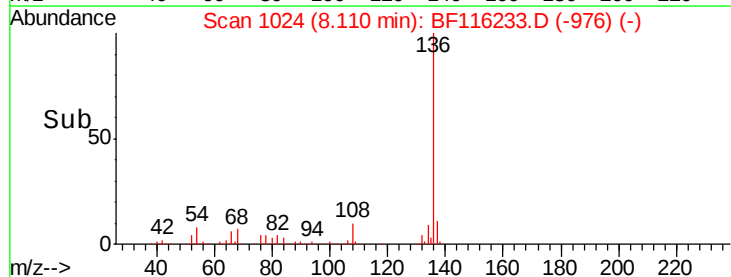
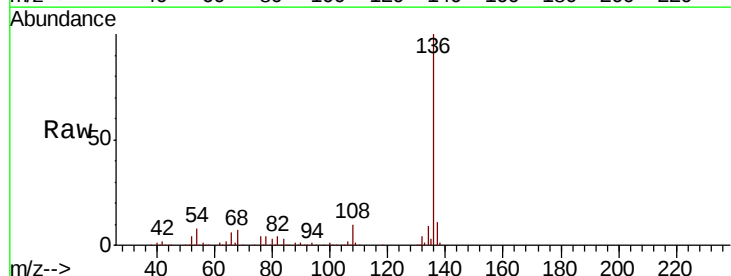
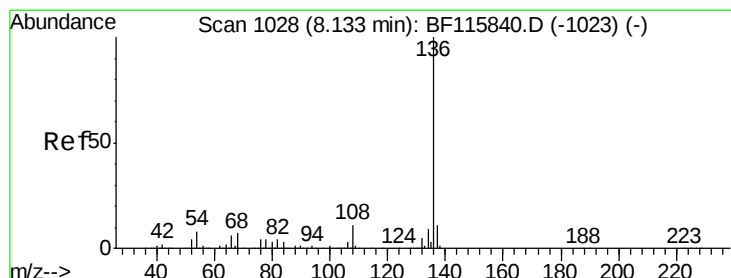
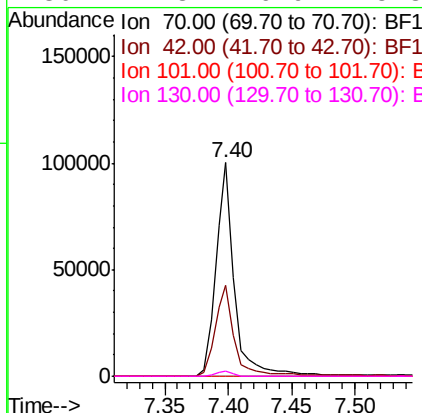




#19
n-Nitroso-di-n-propylamine
Concen: 14.740 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

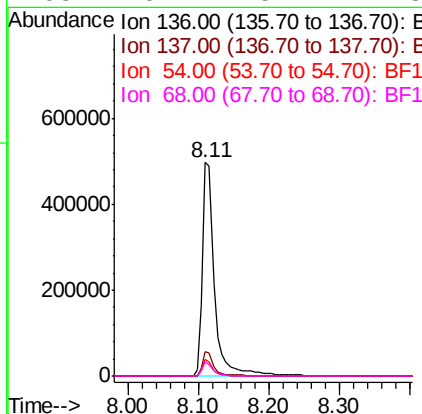
Instrument :
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1S-I-(0-1)-COMP

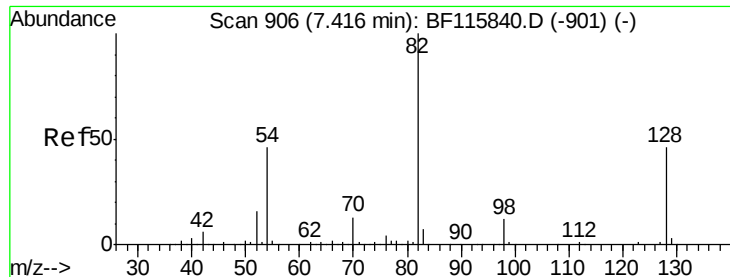
Tgt Ion: 70 Resp: 102822
Ion Ratio Lower Upper
70 100
42 42.6 40.9 61.3
101 0.0 7.9 11.9#
130 2.3 16.9 25.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

Tgt Ion: 136 Resp: 601503
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.5 5.8 8.6
68 6.7 5.2 7.8

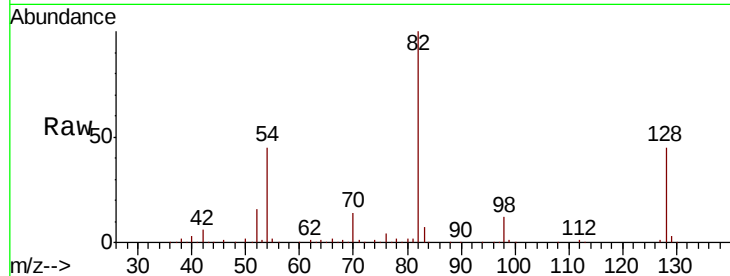




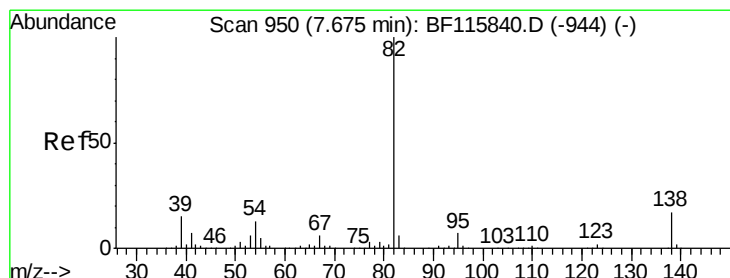
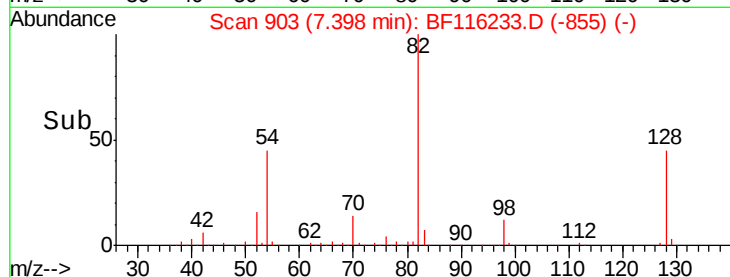
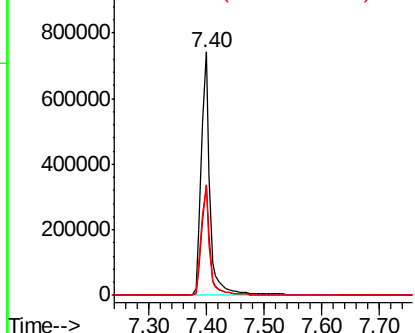
#23
 Nitrobenzene-d5
 Concen: 76.433 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMP

Tgt Ion: 82 Resp: 796466
 Ion Ratio Lower Upper
 82 100
 128 45.3 36.5 54.7
 54 45.0 36.0 54.0

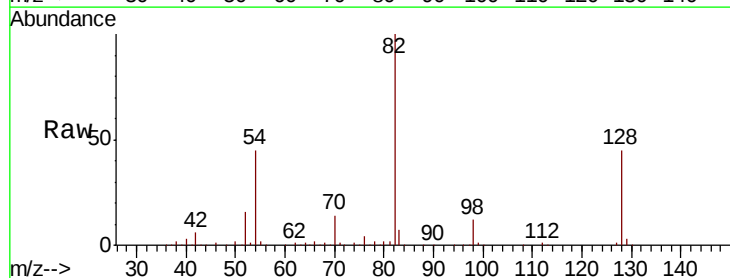


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

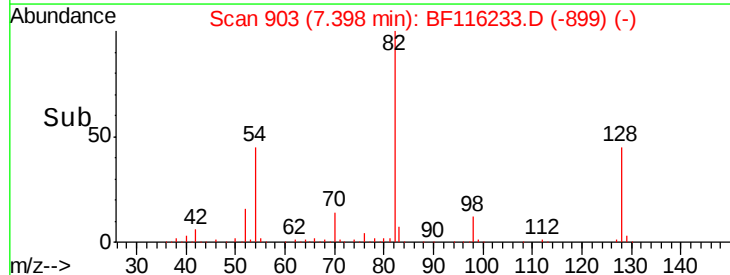
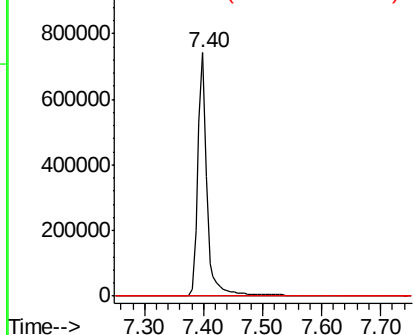


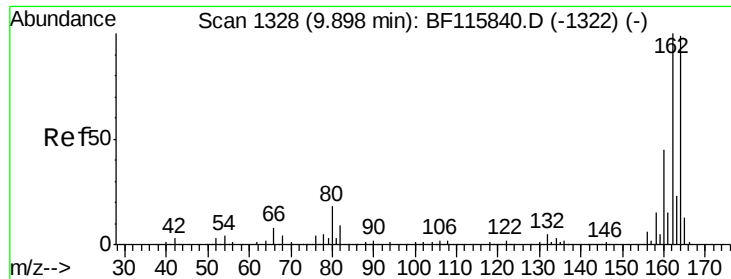
#25
 Isophorone
 Concen: 39.972 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Tgt Ion: 82 Resp: 796461
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.4 8.0#
 138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

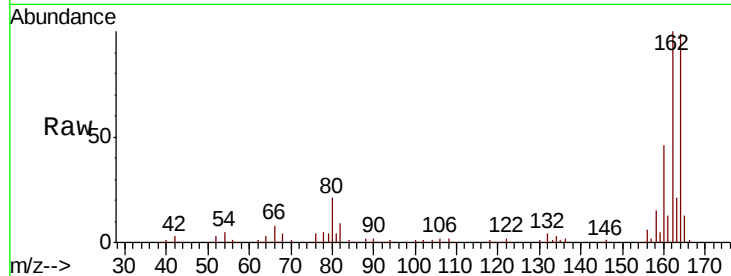




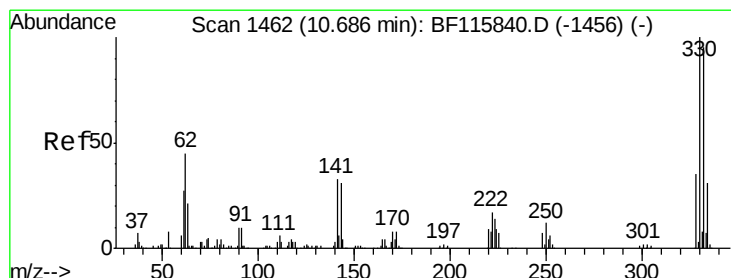
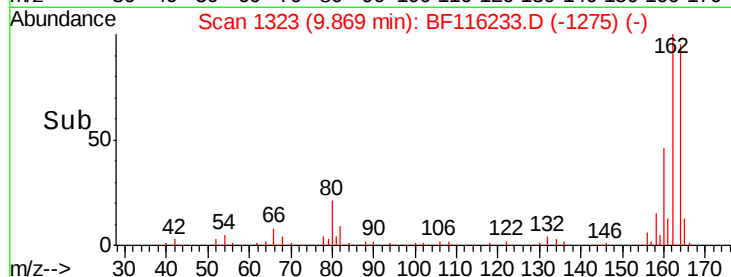
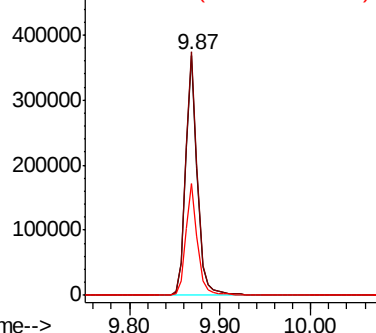
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMP

Tgt Ion:164 Resp: 331895
Ion Ratio Lower Upper
164 100
162 101.4 82.6 124.0
160 46.3 37.6 56.4

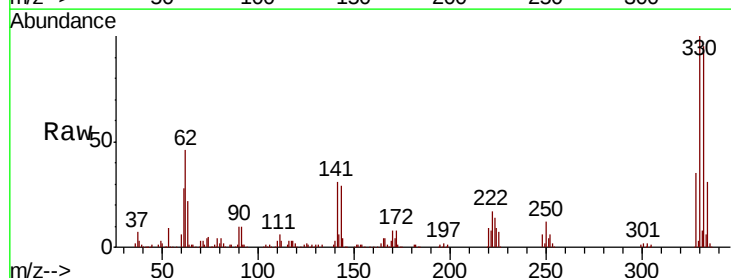


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

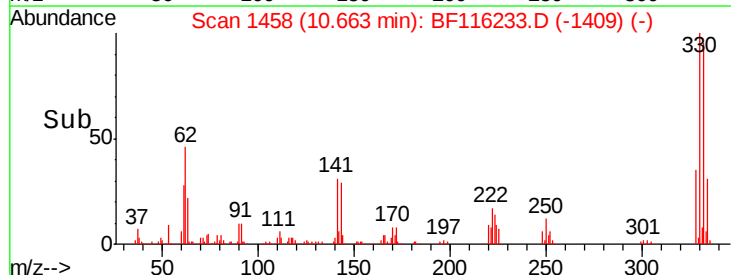
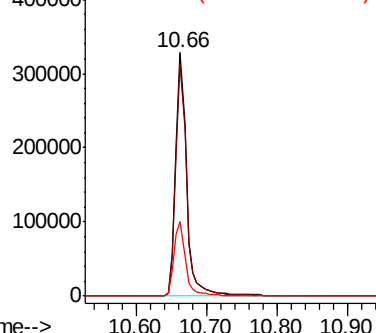


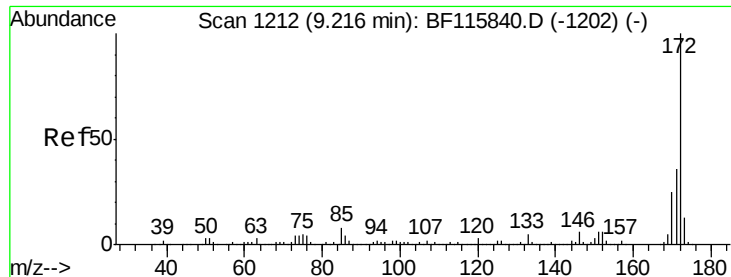
#42
2,4,6-Tribromophenol
Concen: 112.161 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

Tgt Ion:330 Resp: 360912
Ion Ratio Lower Upper
330 100
332 95.7 76.8 115.2
141 32.4 26.3 39.5



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

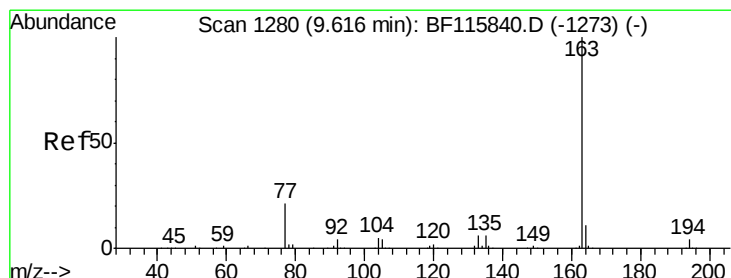
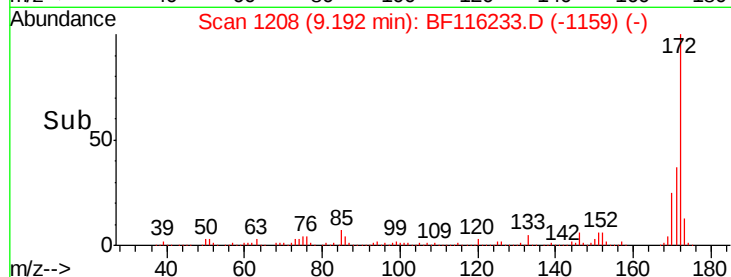
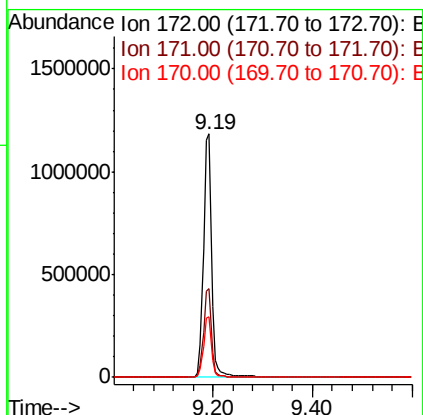
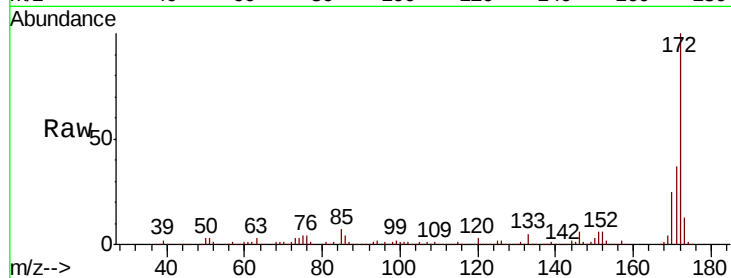




#45
 2-Fluorobiphenyl
 Concen: 75.739 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

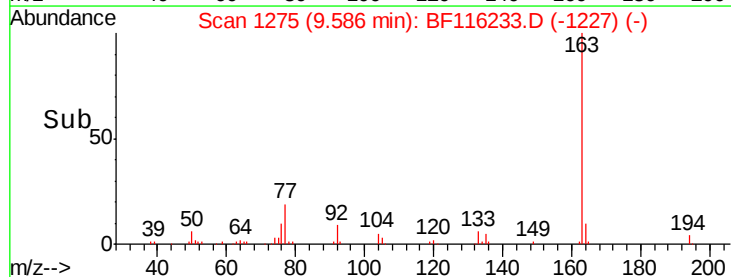
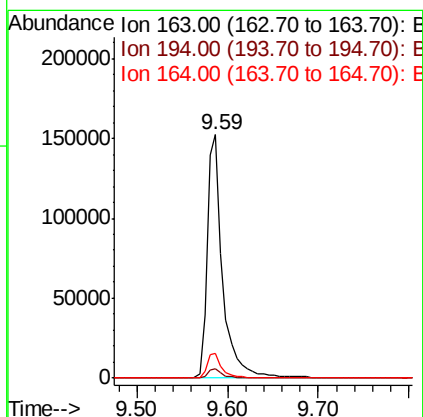
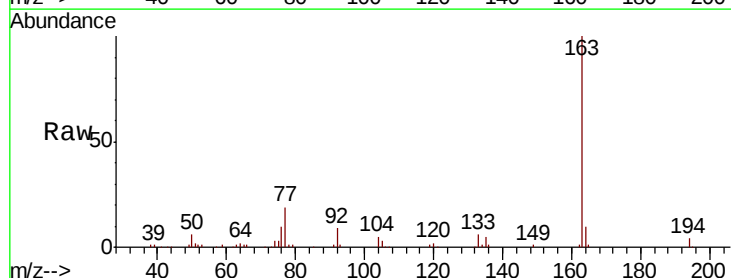
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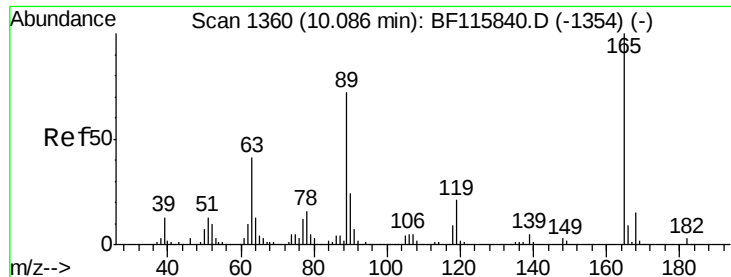
Tgt Ion:172 Resp: 1342042
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 25.0 20.1 30.1



#50
 Dimethylphthalate
 Concen: 8.069 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Tgt Ion:163 Resp: 182353
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.0 4.6
 164 10.0 8.4 12.6

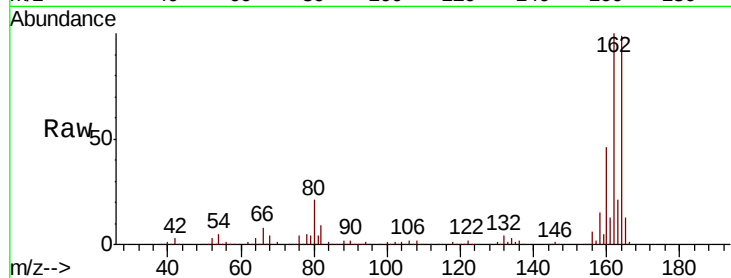




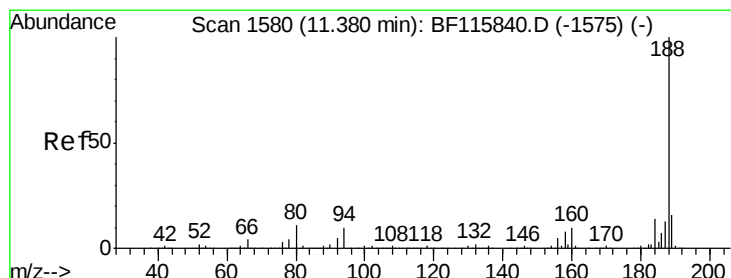
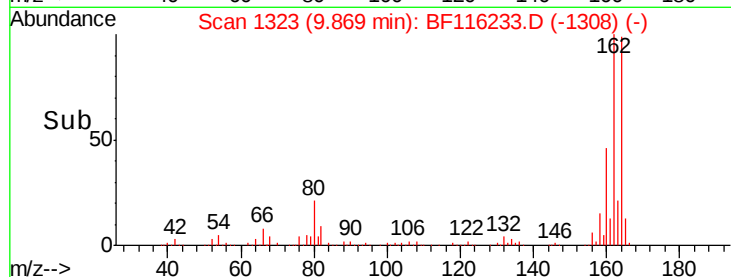
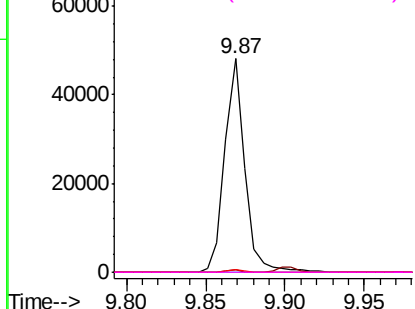
#57
 2,4-Dinitrotoluene
 Concen: 6.502 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMP

Tgt Ion:	165	Resp:	42511
Ion	Ratio	Lower	Upper
165	100		
63	1.0	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#

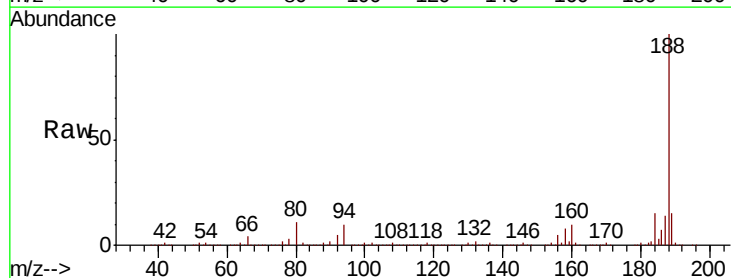


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

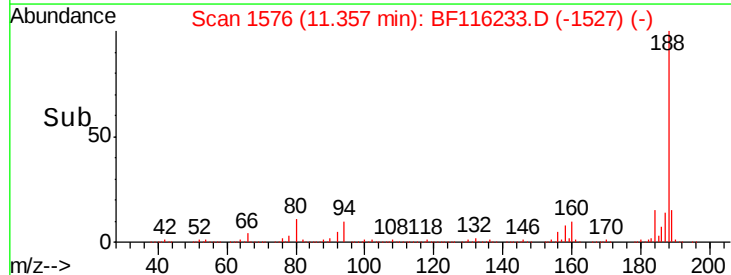
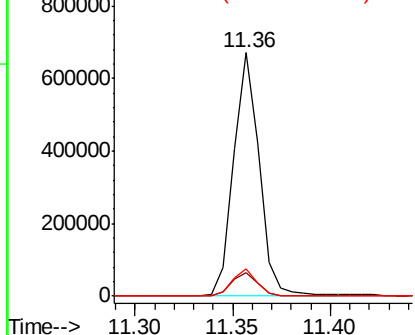


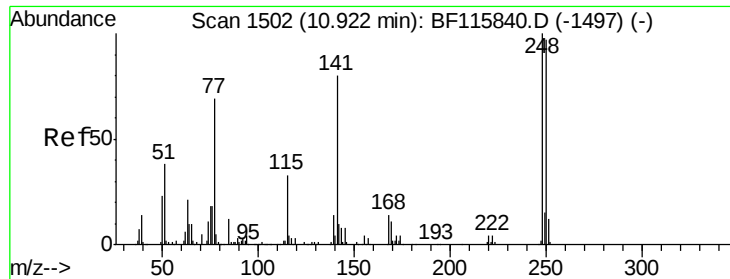
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Tgt Ion:	188	Resp:	611306
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.1	12.1
80	11.1	8.7	13.1



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

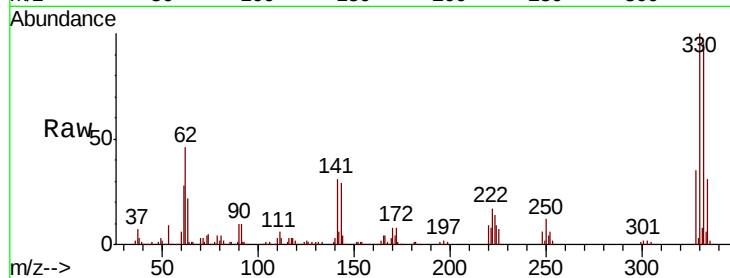




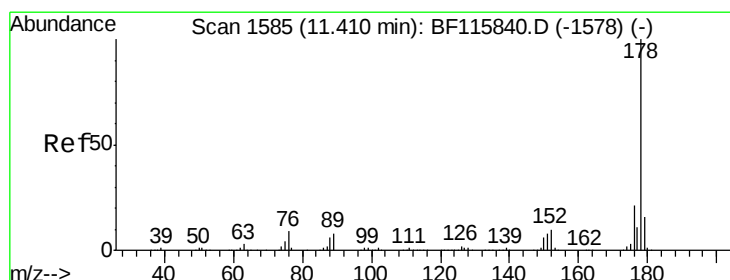
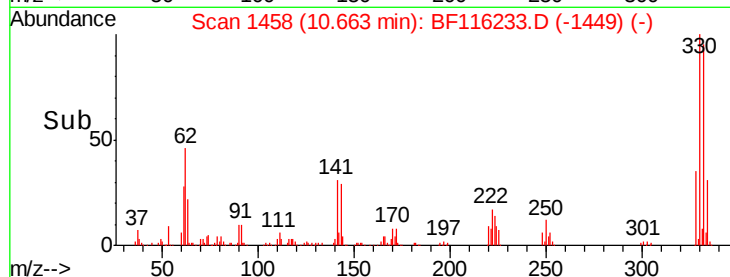
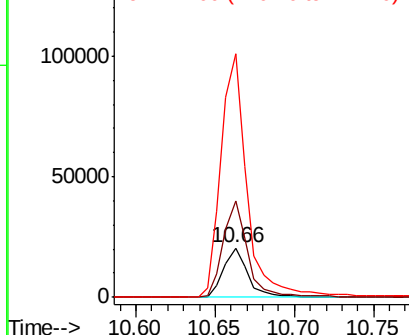
#67
 4-Bromophenyl-phenylether
 Concen: 3.333 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMP

Tgt Ion:248 Resp: 21814
 Ion Ratio Lower Upper
 248 100
 250 195.4 77.4 116.2#
 141 495.9 56.8 85.2#

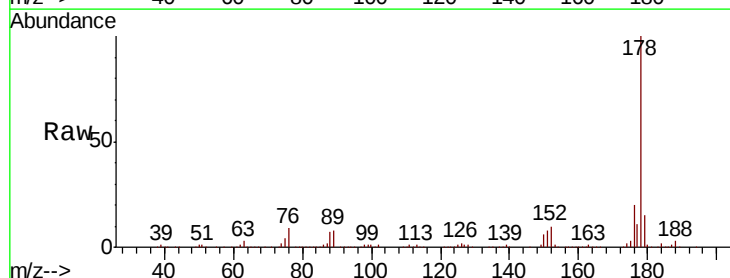


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

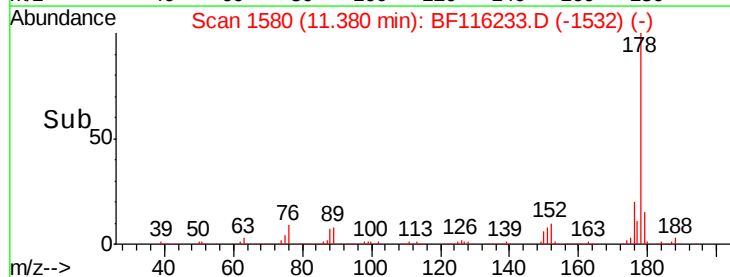
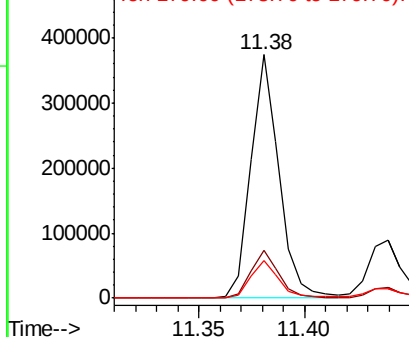


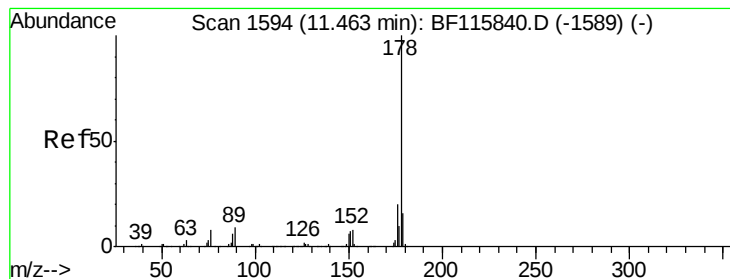
#71
 Phenanthrene
 Concen: 11.119 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Tgt Ion:178 Resp: 347470
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.6 24.8
 179 15.4 12.5 18.7



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: 3.174 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF116233.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_F

ClientSampleId :

1S-I(0-1)-COMP

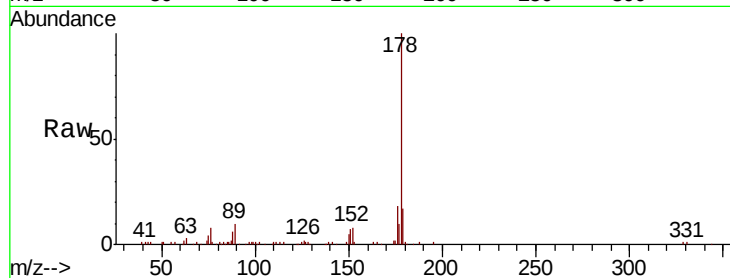
Tgt Ion:178 Resp: 100375

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

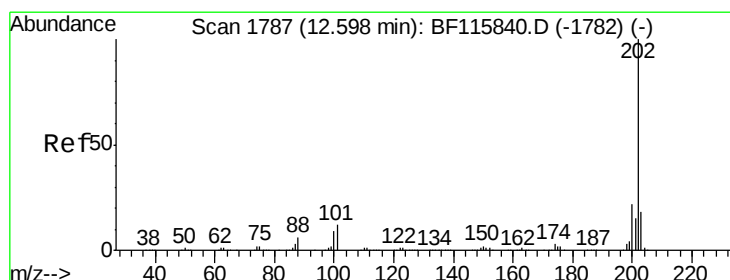
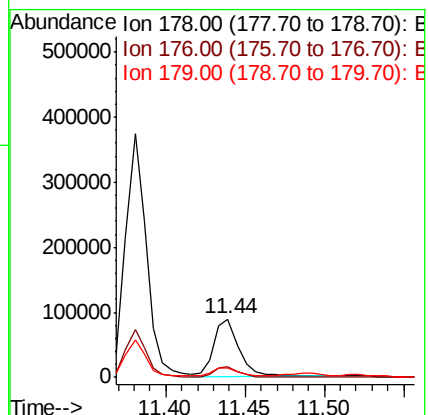
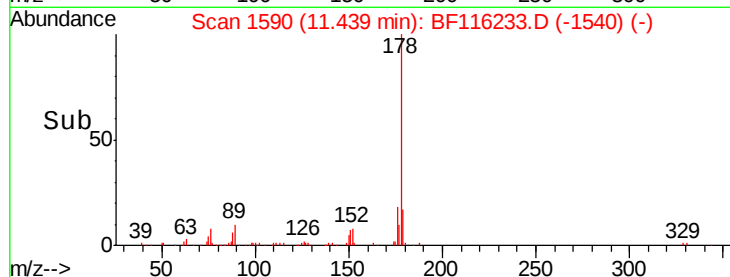
179 16.9 13.0 19.6



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



#75

Fluoranthene

Concen: 20.937 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116233.D

Acq: 13 Aug 2019 15:54

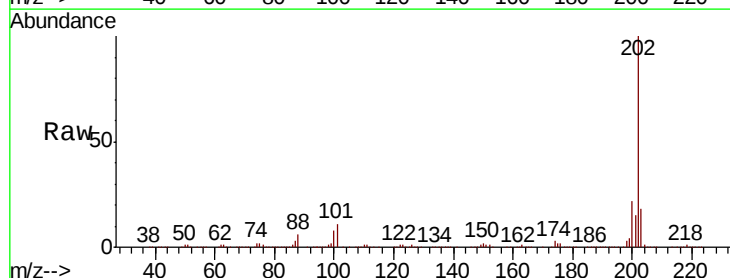
Tgt Ion:202 Resp: 685002

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.2

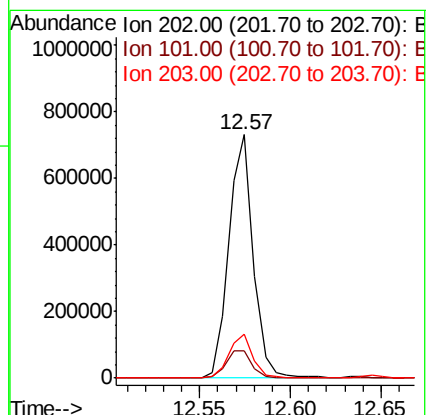
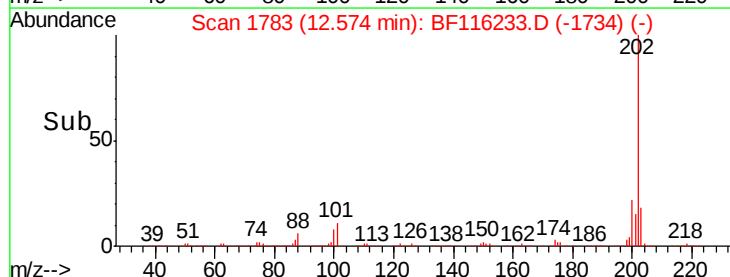
203 17.8 0.0 37.8

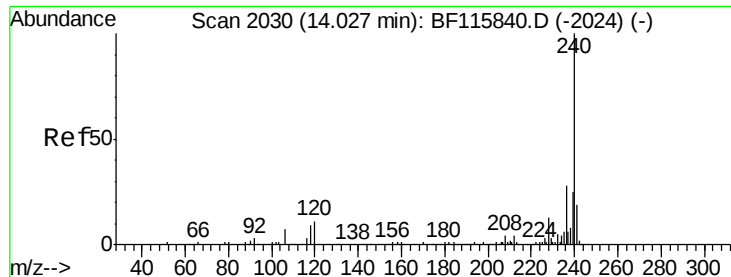


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

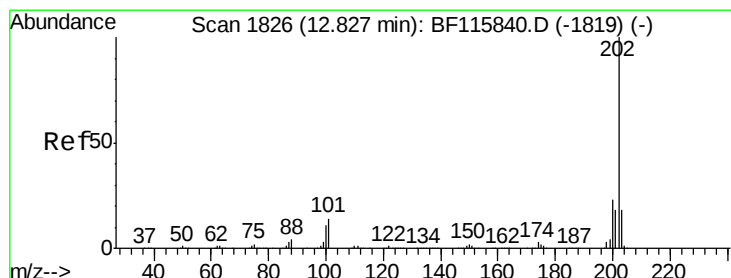
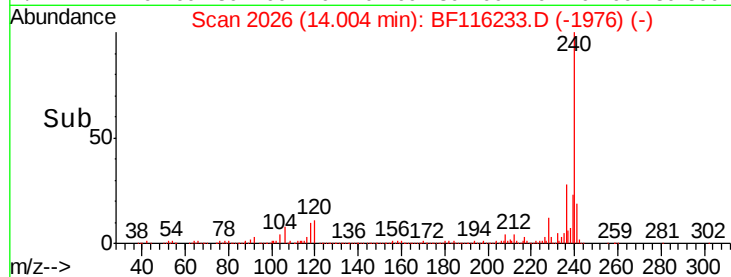
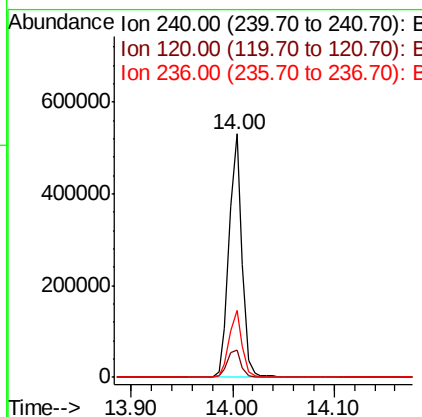
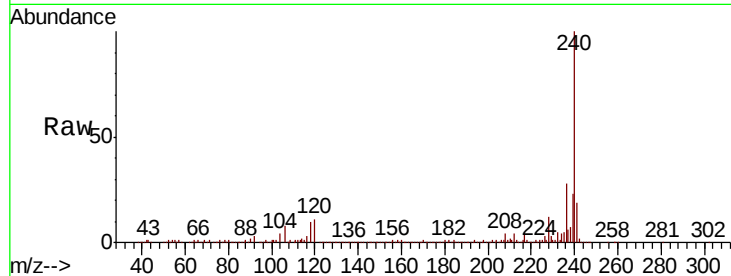




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

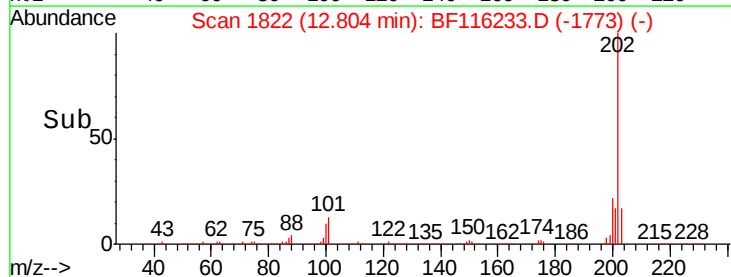
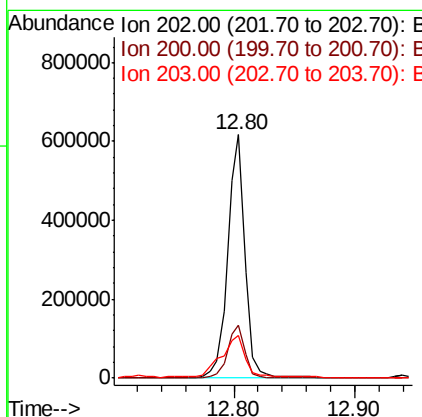
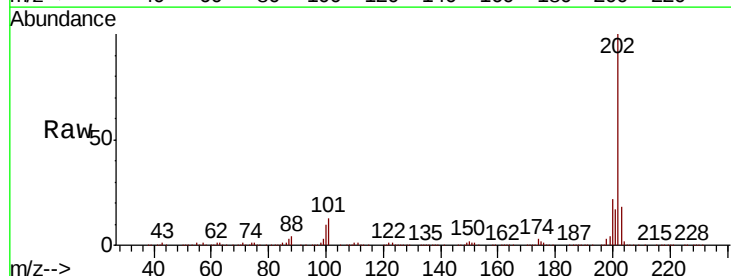
Instrument :
BNA_F
ClientSampleId :
1S-I-(0-1)-COMP

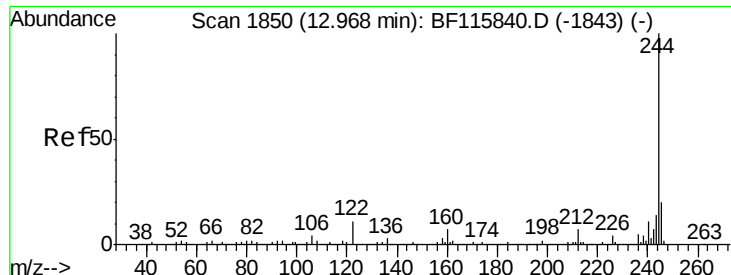
Tgt Ion:240 Resp: 470809
Ion Ratio Lower Upper
240 100
120 11.4 10.7 16.1
236 27.6 22.2 33.2



#78
Pyrene
Concen: 16.986 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

Tgt Ion:202 Resp: 602824
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 17.6 14.1 21.1

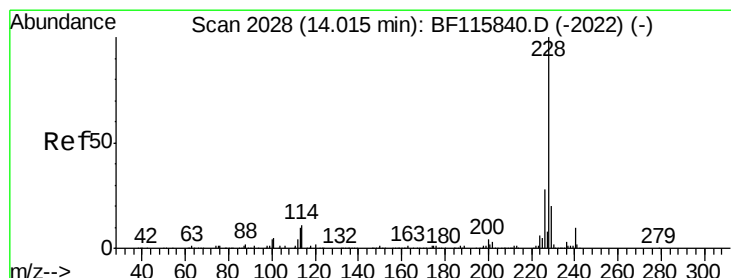
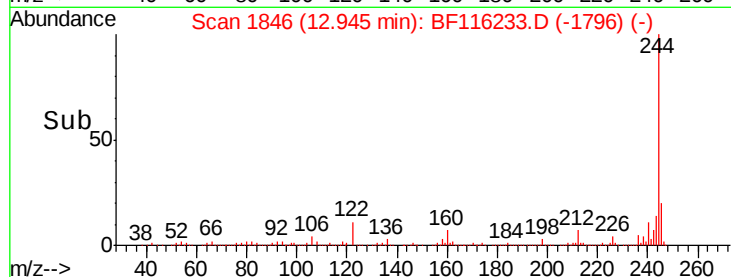
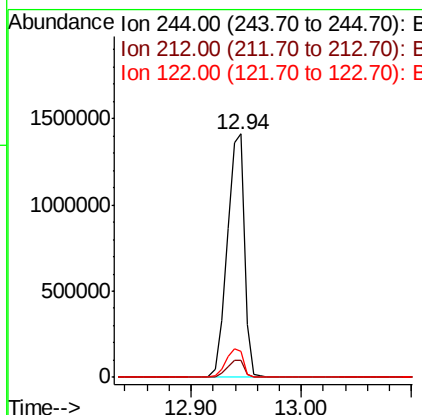
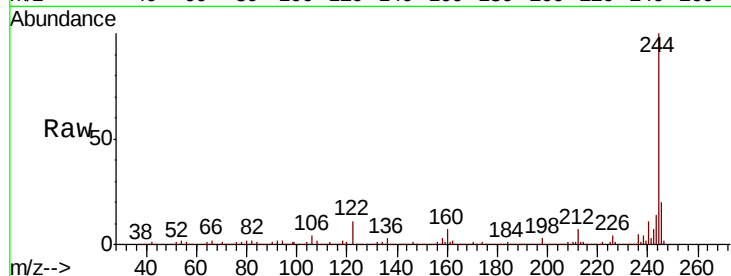




#79
 Terphenyl-d14
 Concen: 69.370 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

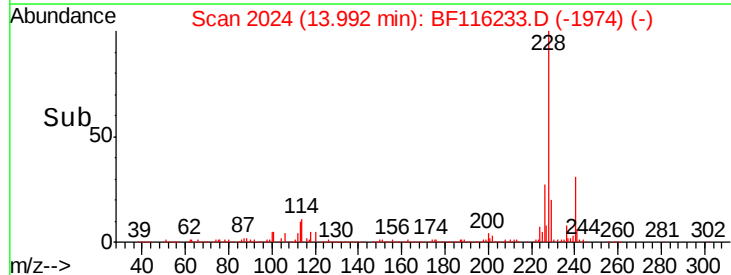
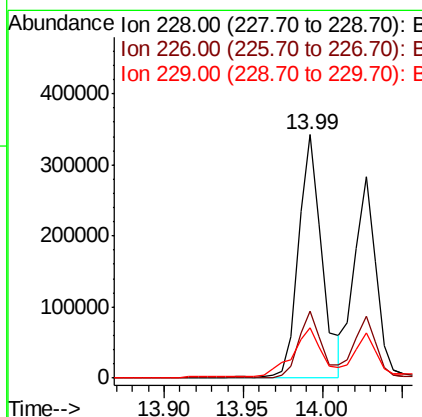
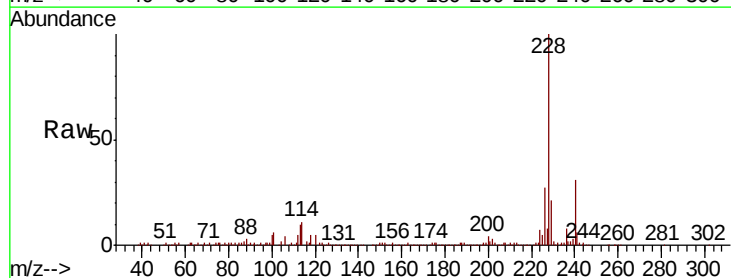
Instrument :
 BNA_F
 ClientSampleId :
 1S-I(0-1)-COMP

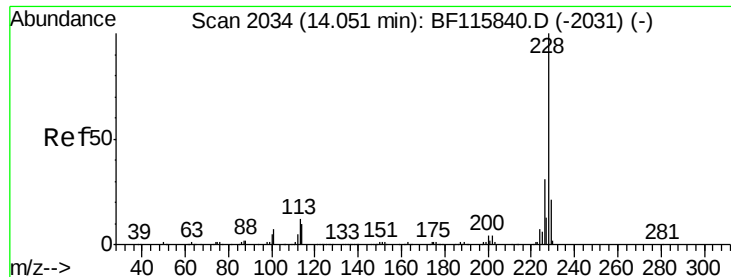
Tgt Ion:244 Resp: 1549960
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 10.8 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 11.605 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Tgt Ion:228 Resp: 349221
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.7 34.1
 229 20.6 16.2 24.4





#83

Chrysene

Concen: 9.389 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF116233.D

Acq: 13 Aug 2019 15:54

Instrument :

BNA_F

ClientSampleId :

1S-I(0-1)-COMP

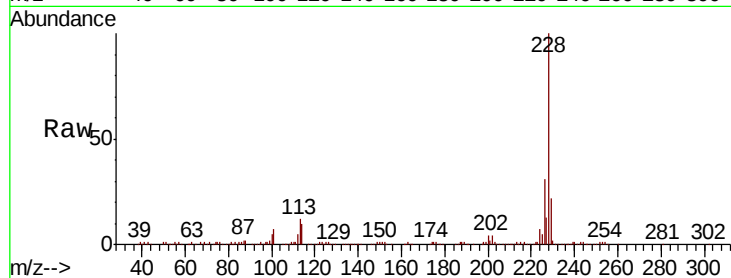
Tgt Ion:228 Resp: 274293

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

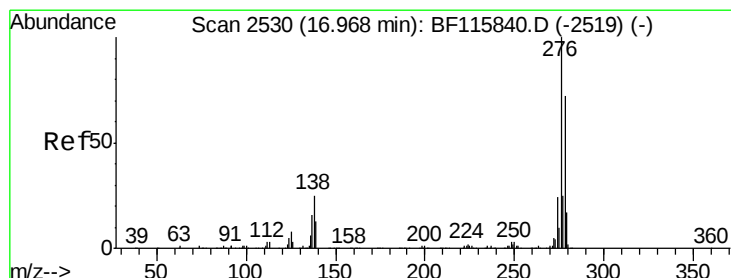
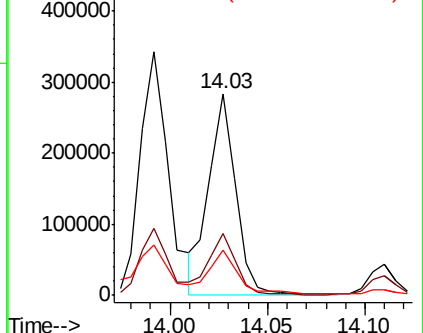
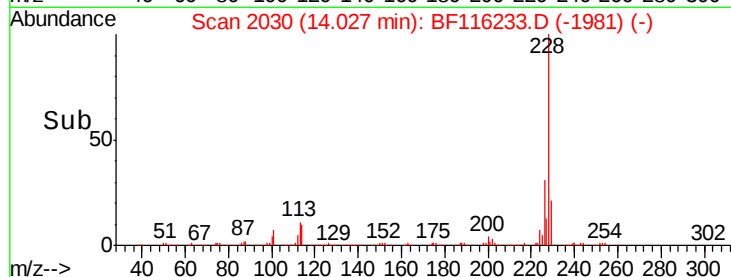
229 22.1 16.6 24.8



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: 4.850 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.00 min

Lab File: BF116233.D

Acq: 13 Aug 2019 15:54

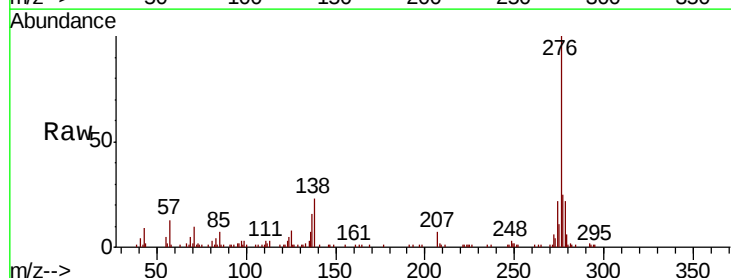
Tgt Ion:276 Resp: 119009

Ion Ratio Lower Upper

276 100

138 20.2 20.4 30.6#

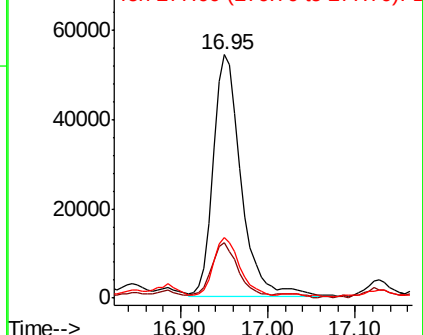
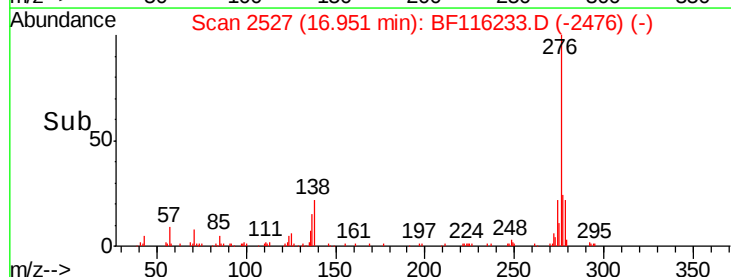
277 22.8 20.0 30.0

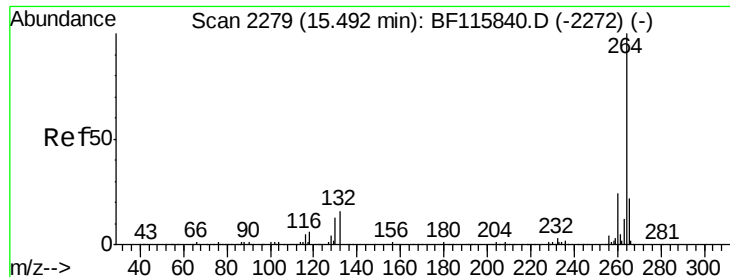


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

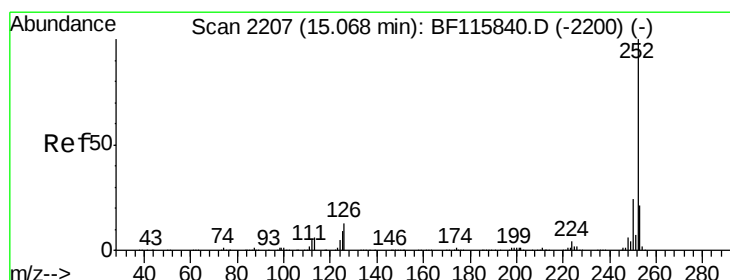
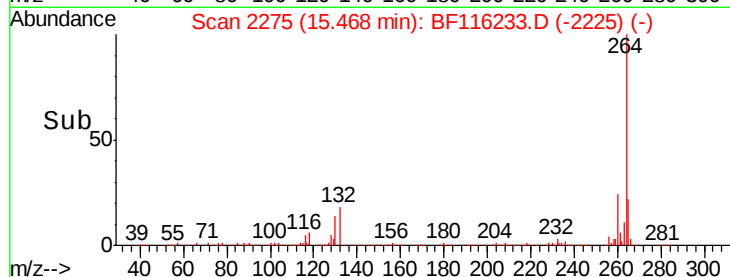
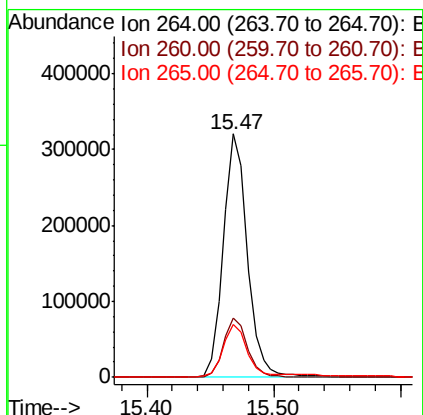
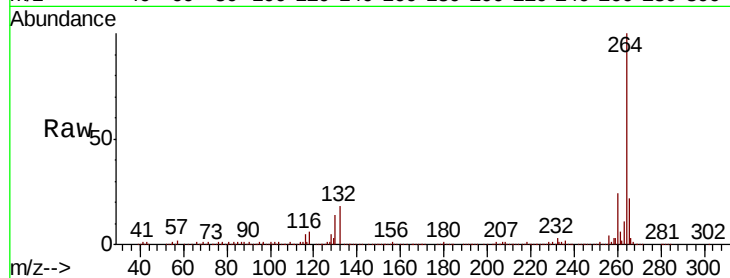




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

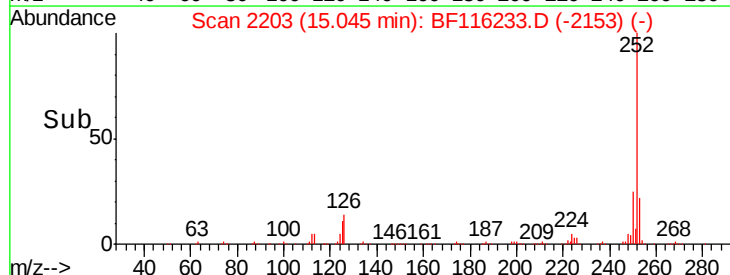
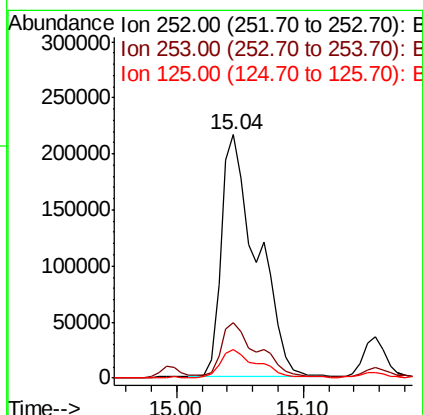
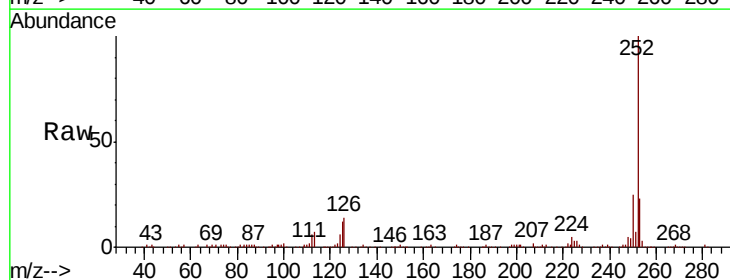
Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMP

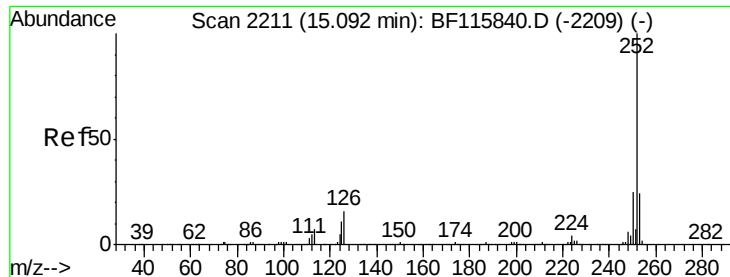
Tgt Ion:264 Resp: 421101
Ion Ratio Lower Upper
264 100
260 24.4 19.7 29.5
265 22.0 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 17.395 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

Tgt Ion:252 Resp: 423541
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 11.7 8.4 12.6

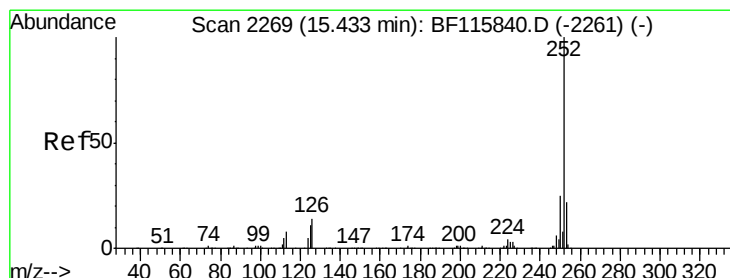
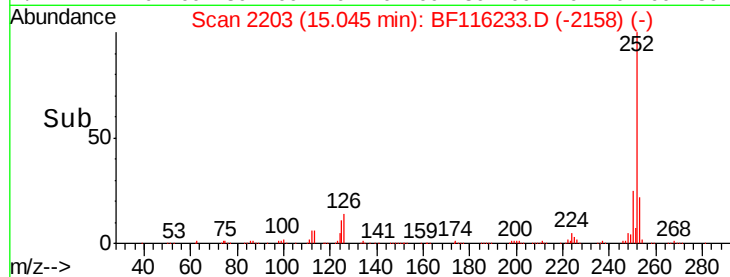
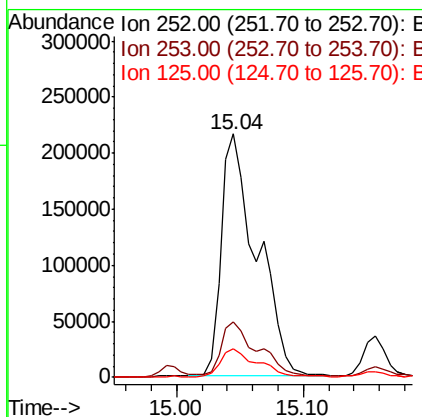
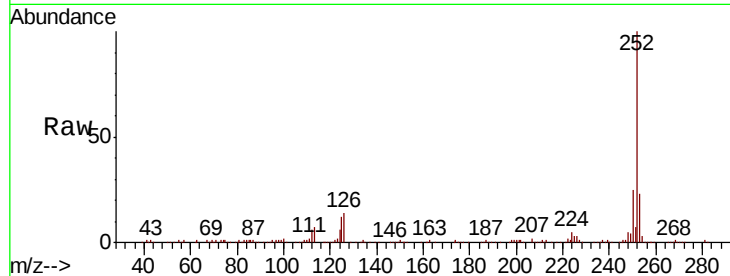




#89
Benzo(k)fluoranthene
Concen: 17.850 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

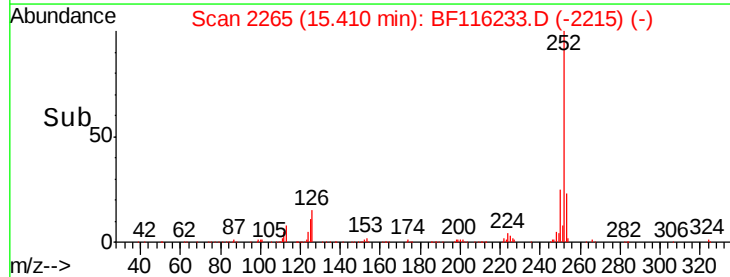
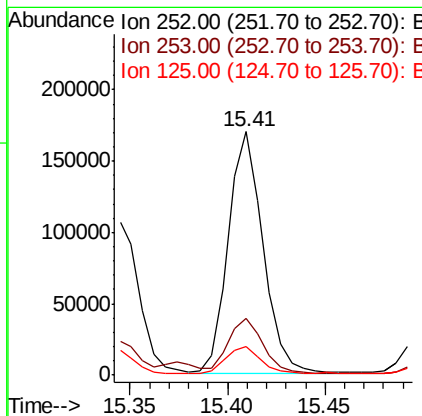
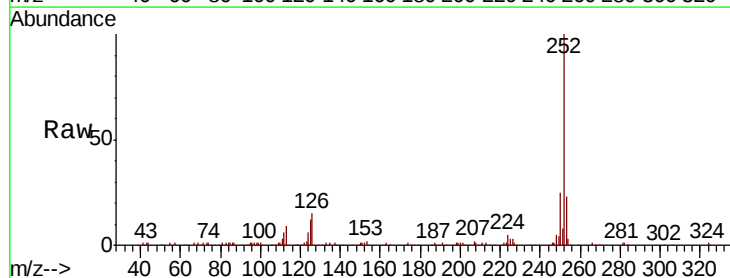
Instrument :
BNA_F
ClientSampleId :
1S-I(0-1)-COMP

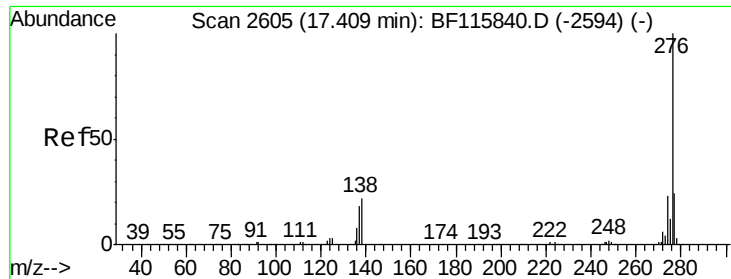
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.7	7.7	11.5#



#90
Benzo(a)pyrene
Concen: 9.695 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF116233.D
Acq: 13 Aug 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.7	8.9	13.3





#92
 Benzo(g,h,i)perylene
 Concen: 5.572 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.01 min
 Lab File: BF116233.D
 Acq: 13 Aug 2019 15:54

Instrument :
 BNA_F
 ClientSampleId :
 1S-I-(0-1)-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.4	27.6
138	25.3	17.0	25.6

