

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116752.D
 Acq On : 1 Sep 2019 19:36
 Operator : HP/JU
 Sample : K4547-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:27:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	75089	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	300503	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	173374	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	314760	20.00	ng	0.00
76) Chrysene-d12	14.00	240	220931	20.00	ng	0.00
87) Perylene-d12	15.44	264	237069	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	439932	94.92	ng	0.00
7) Phenol-d6	6.47	99	604527	99.33	ng	-0.01
23) Nitrobenzene-d5	7.40	82	370934	70.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	139004	119.93	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	674650	65.64	ng	-0.01
79) Terphenyl-d14	12.94	244	751910	62.96	ng	0.00

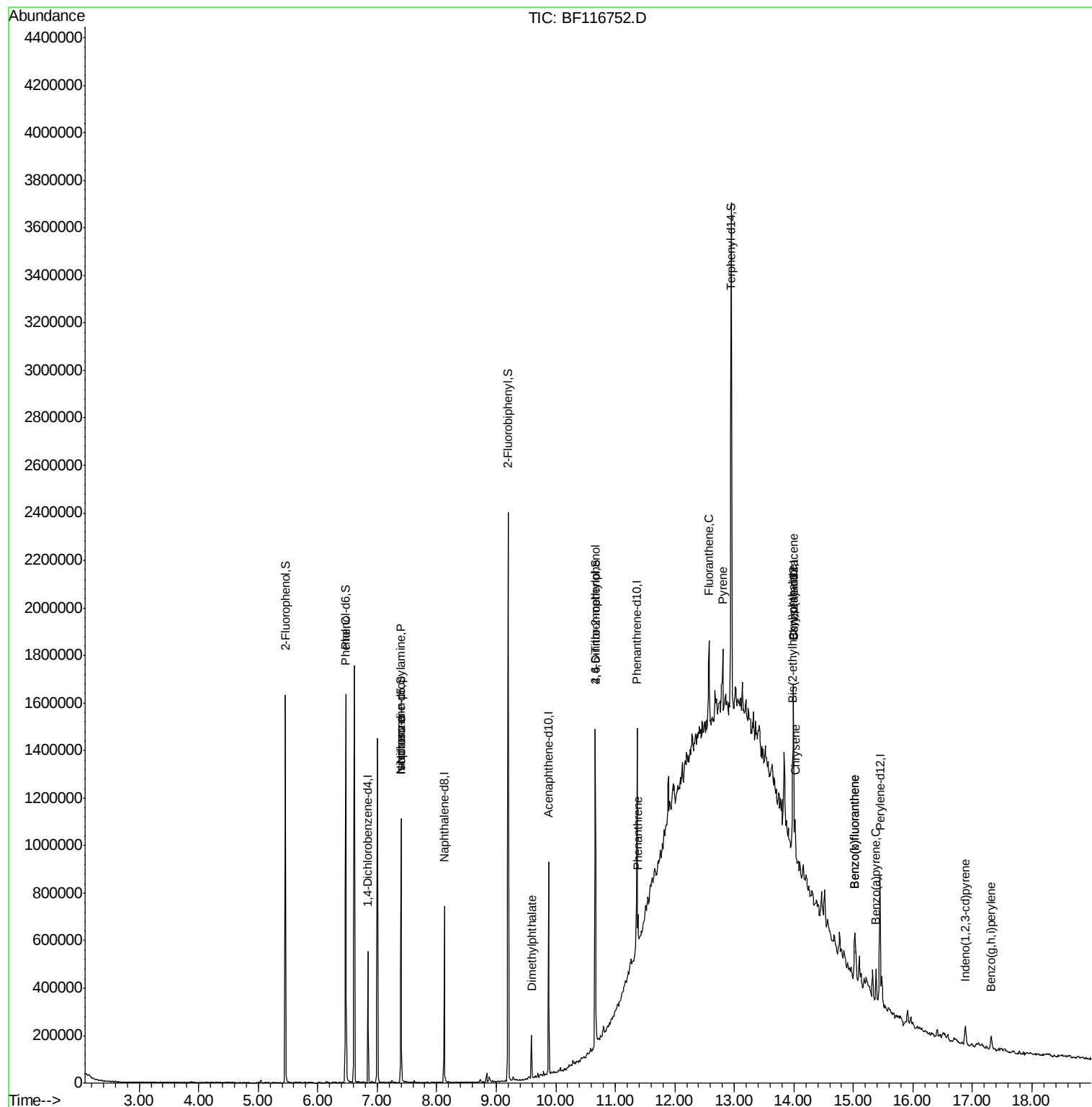
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	30807	4.571	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	48208	12.030	ng	# 75
25) Isophorone	7.40	82	370927	34.775	ng	# 66
50) Dimethylphthalate	9.59	163	67855	5.669	ng	98
65) 4,6-Dinitro-2-methylphenol	10.66	198	277	7.653	ng	# 1
71) Phenanthrene	11.39	178	44579	2.544	ng	# 91
75) Fluoranthene	12.57	202	129743	7.535	ng	94
78) Pyrene	12.80	202	110967	5.650	ng	# 93
81) Benzo(a)anthracene	13.99	228	51586	3.689	ng	95
83) Chrysene	14.02	228	69710	4.839	ng	95
84) Bis(2-ethylhexyl)phthalate	13.98	149	98269	8.335	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.88	276	42581	3.680	ng	96
88) Benzo(b)fluoranthene	15.02	252	138492	9.663	ng	# 94
89) Benzo(k)fluoranthene	15.02	252	138492	10.598	ng	# 94
90) Benzo(a)pyrene	15.38	252	61920	4.966	ng	# 91
92) Benzo(g,h,i)perylene	17.31	276	41073	3.690	ng	# 90

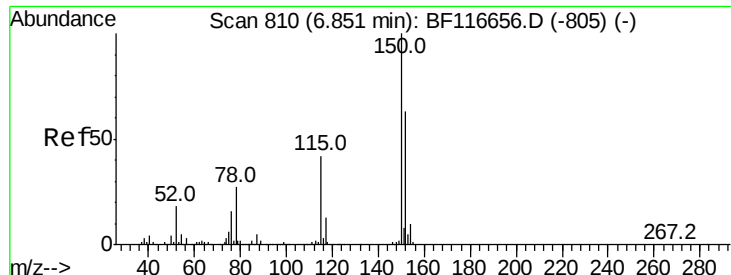
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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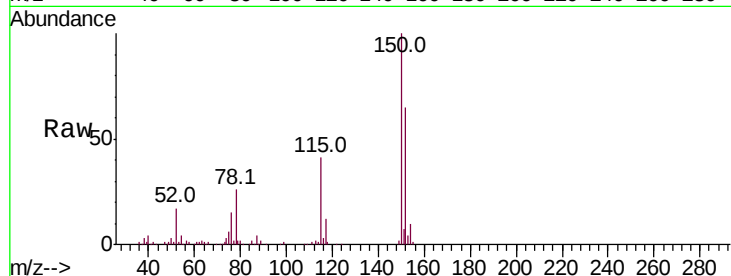


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.4	186.6
115	63.2	49.9	74.9

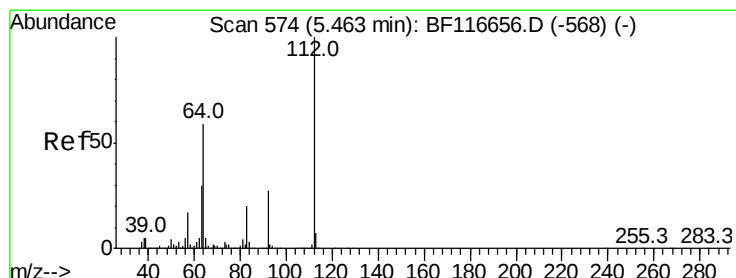
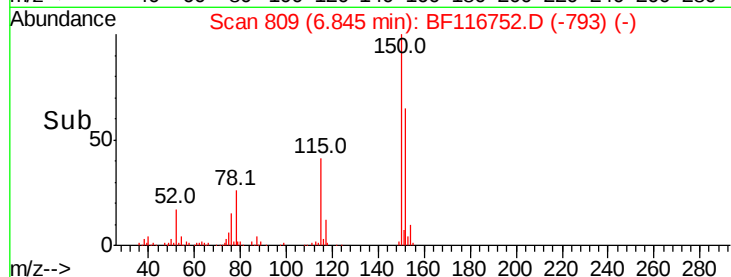
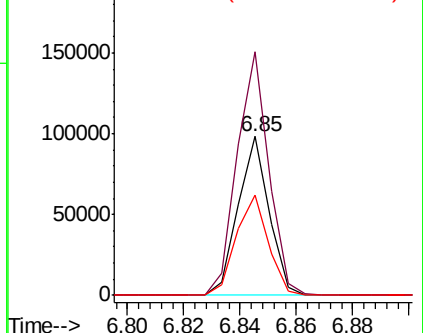


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

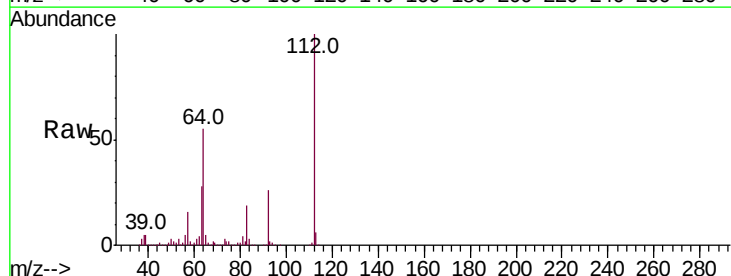
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 94.916 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.1	70.7
63	27.6	24.9	37.3

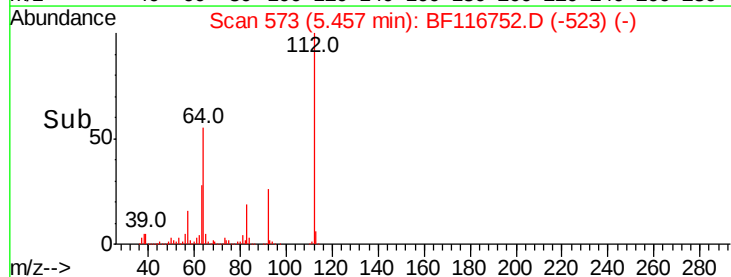
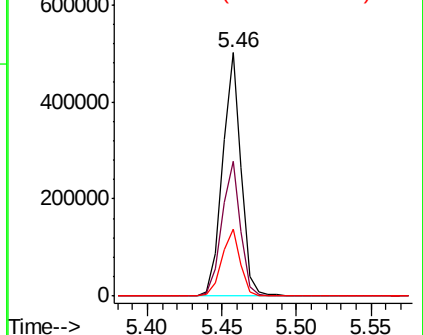


Abundance

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: 99.327 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

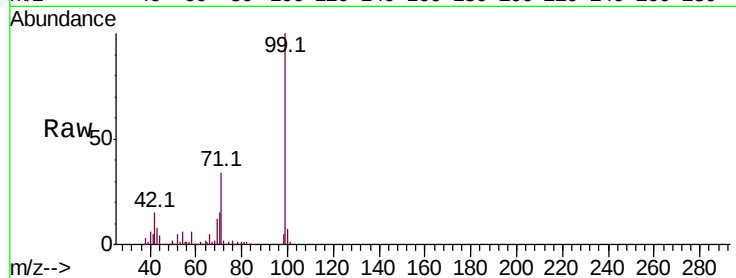
Tot Ion: 99 Resp: 604527

Ion Ratio Lower Upper

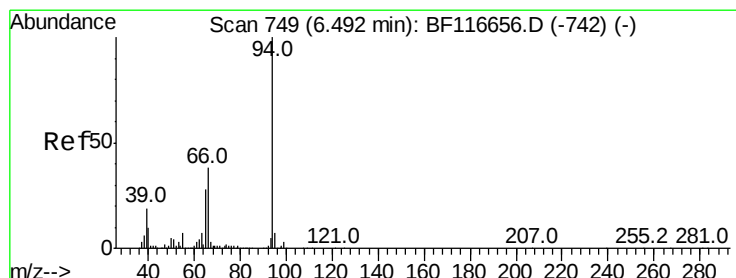
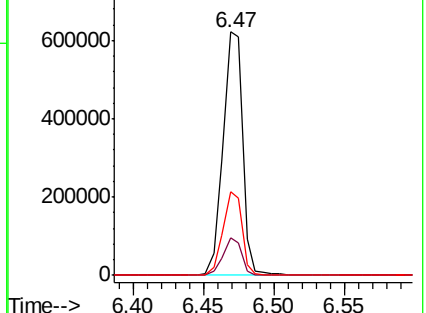
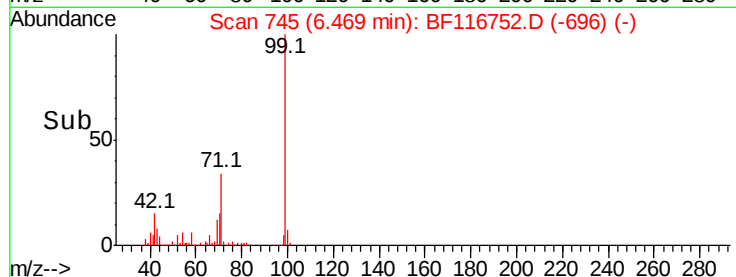
99 100

42 15.5 13.7 20.5

71 34.3 30.8 46.2



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: 4.571 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

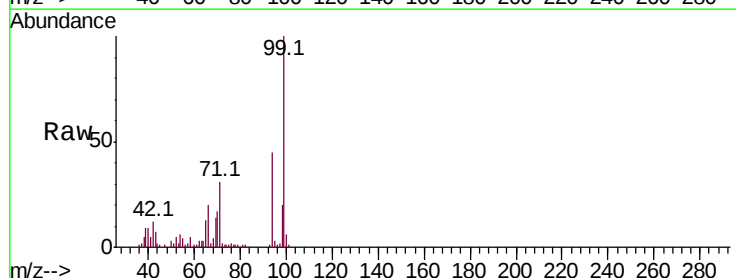
Tgt Ion: 94 Resp: 30807

Ion Ratio Lower Upper

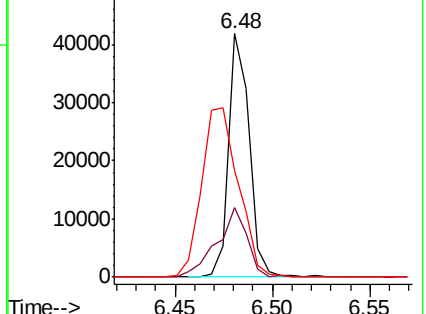
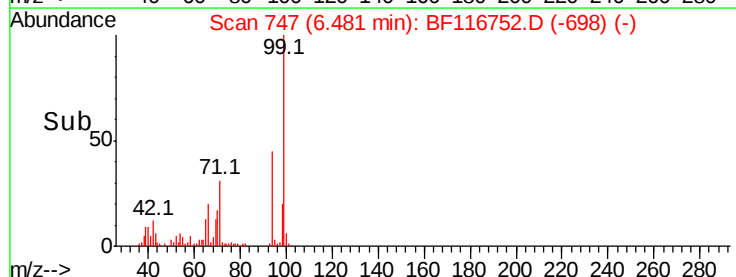
94 100

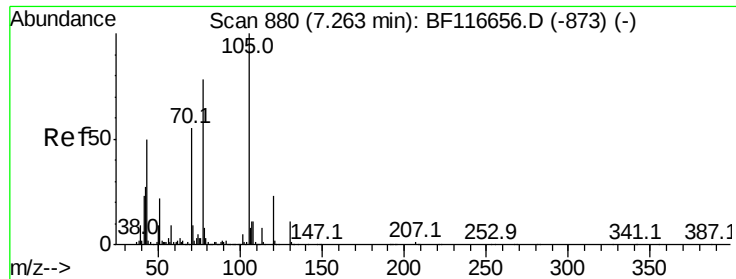
65 28.7 10.8 50.8

66 44.0 21.1 61.1



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

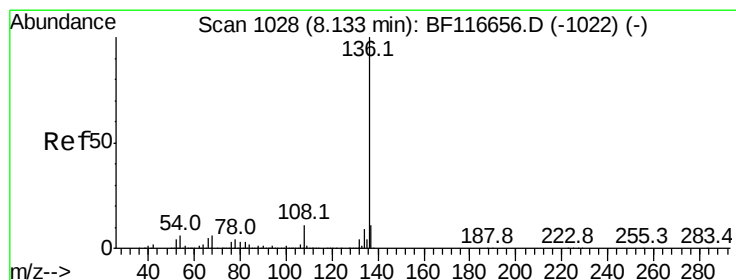
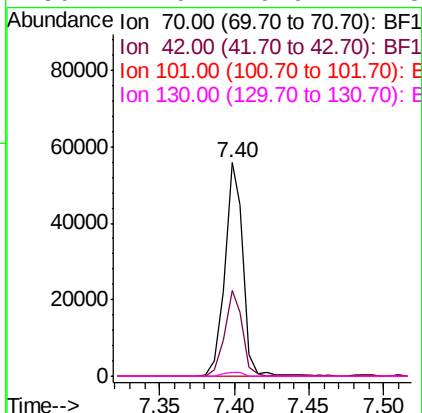
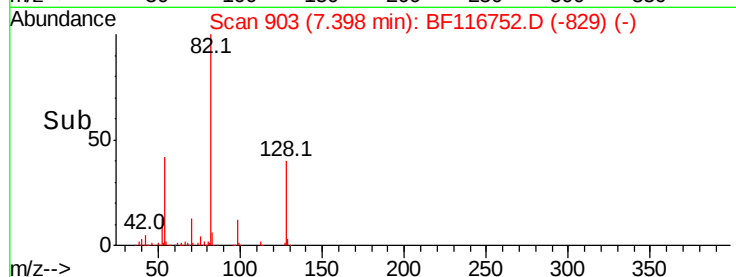
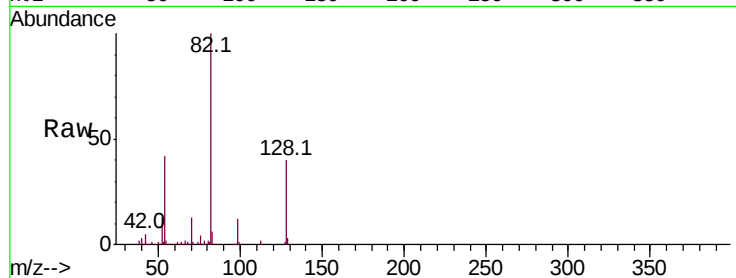




#19
n-Nitroso-di-n-propylamine
Concen: 12.030 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

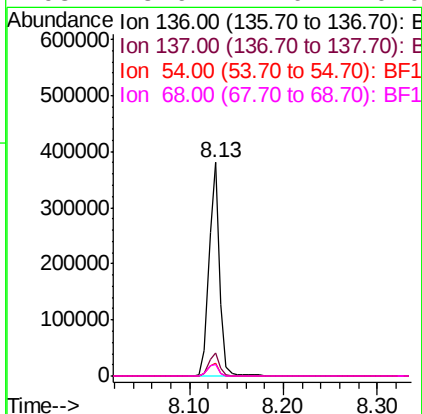
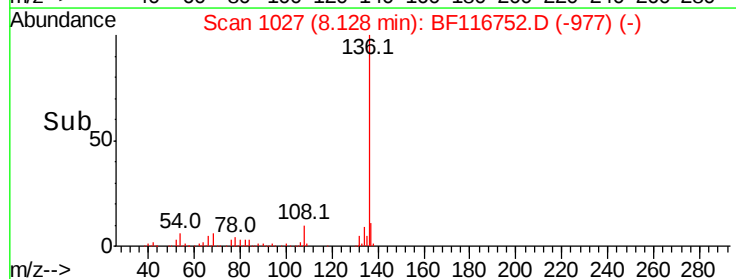
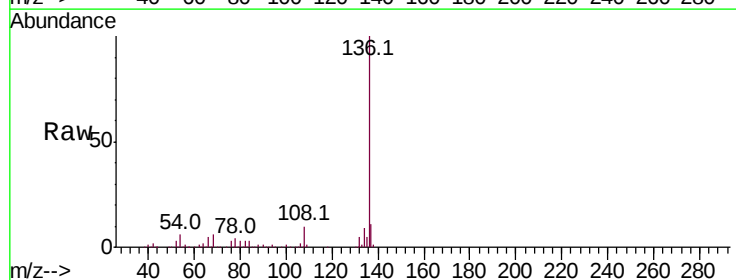
Instrument :
BNA_F
ClientSampleId :

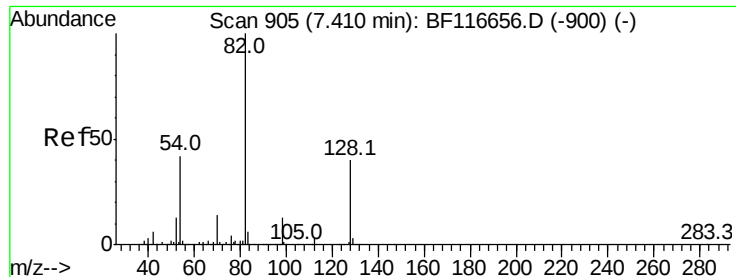
Tot Ion	Ratio	Lower	Upper
70	100		
42	40.3	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.8	4.8	7.2
68	5.6	4.0	6.0





#23

Nitrobenzene-d5

Concen: 70.467 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

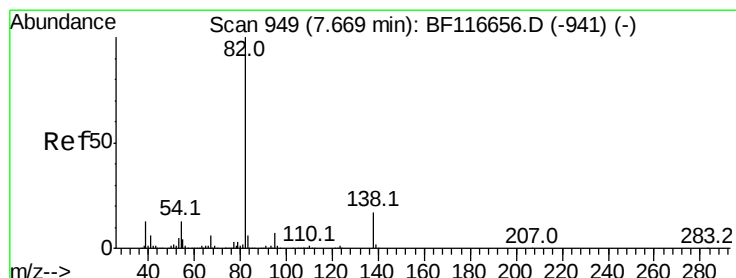
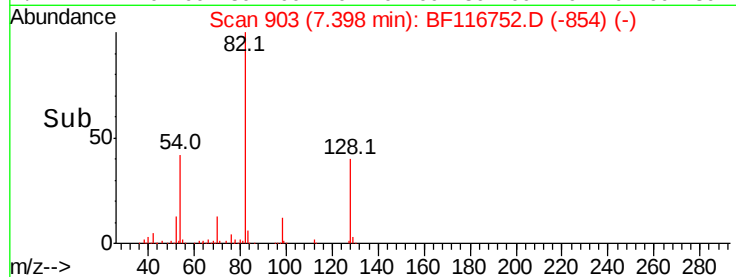
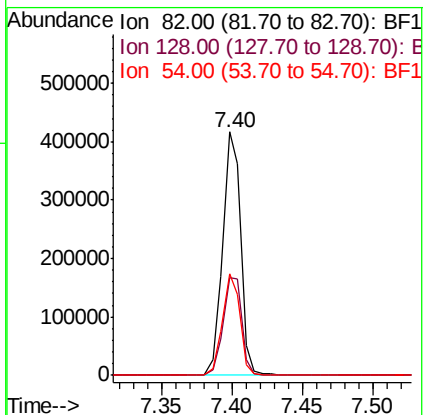
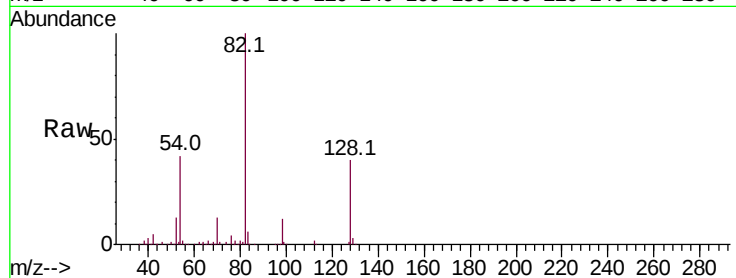
Tot Ion: 82 Resp: 370934

Ion Ratio Lower Upper

82 100

128 39.9 32.8 49.2

54 41.9 36.9 55.3



#25

Isophorone

Concen: 34.775 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

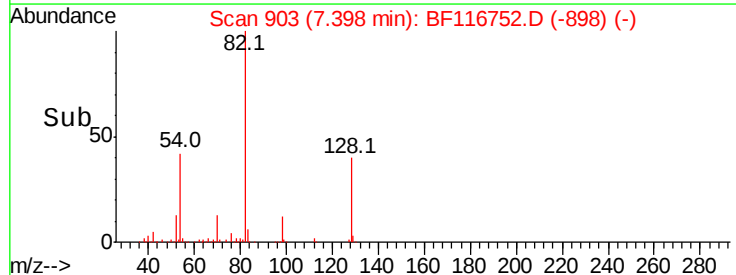
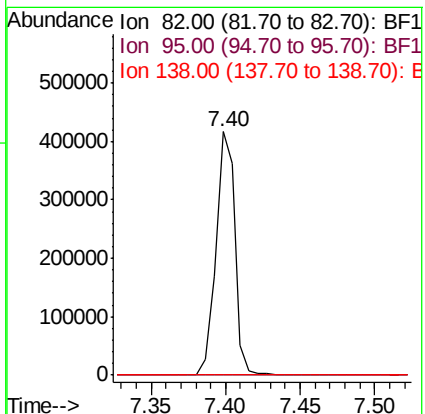
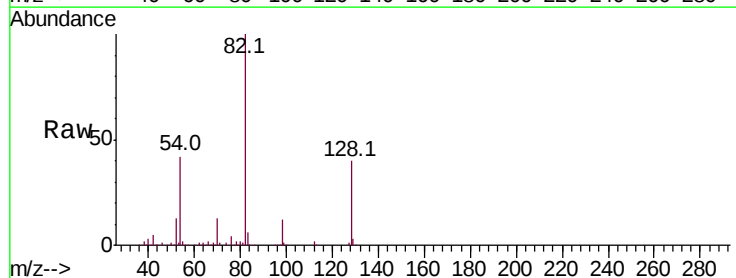
Tgt Ion: 82 Resp: 370927

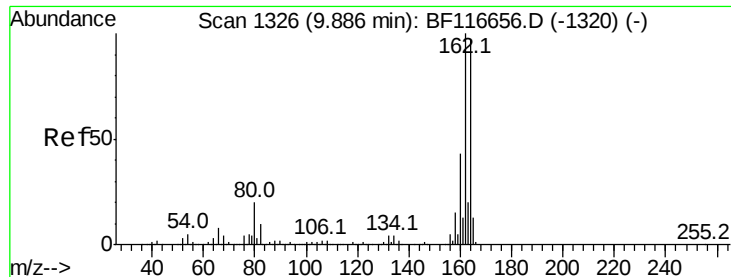
Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

138 0.0 13.5 20.3#

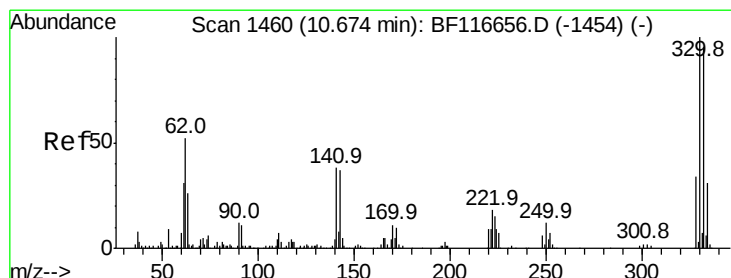
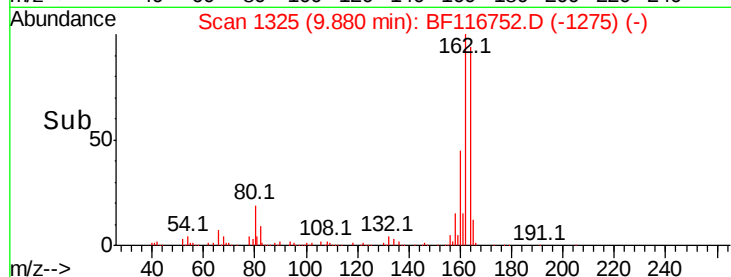
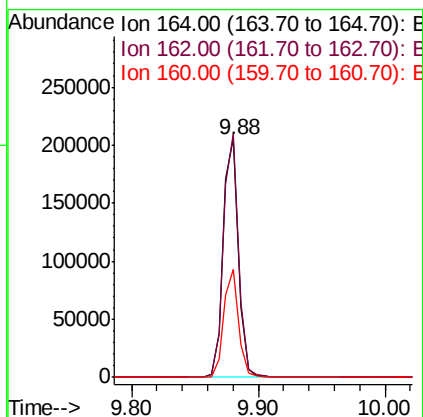
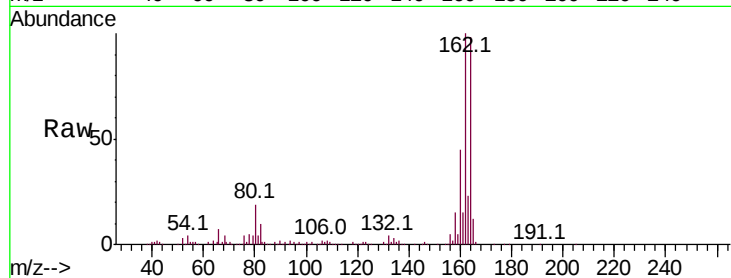




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

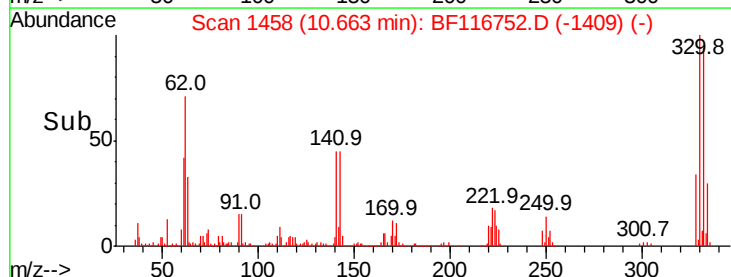
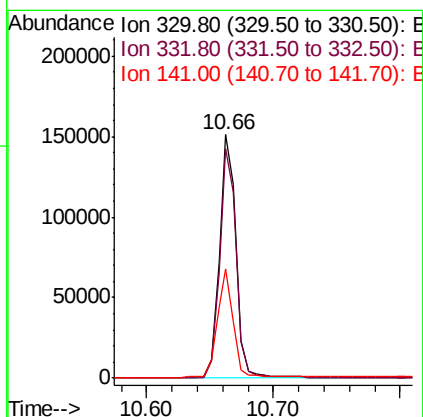
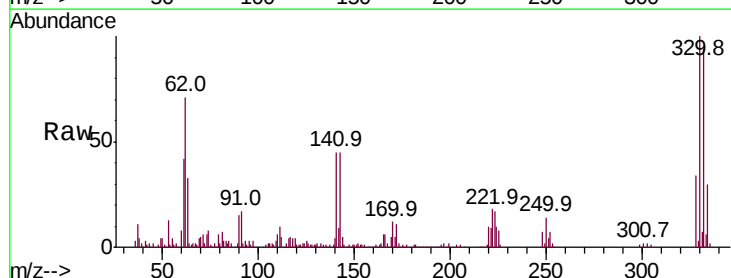
Instrument :
 BNA_F
 ClientSampleId :

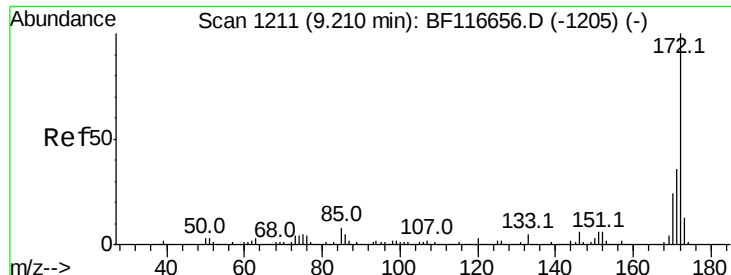
Tot Ion:164 Resp: 173374
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.4 122.0
 160 45.6 35.4 53.2



#42
 2,4,6-Tribromophenol
 Concen: 119.930 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

Tgt Ion:330 Resp: 139004
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.9 115.3
 141 42.8 31.4 47.2



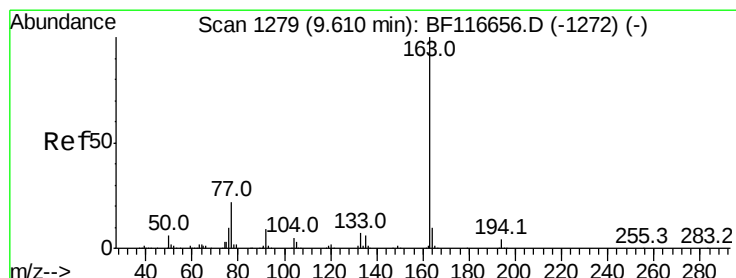
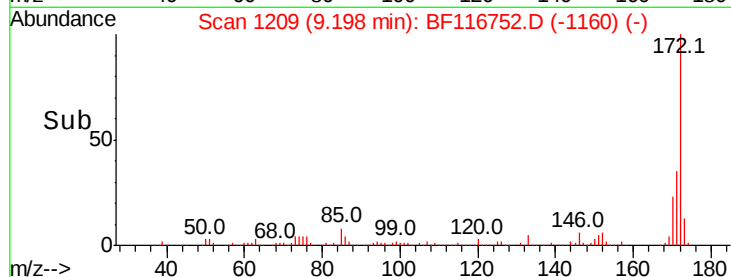
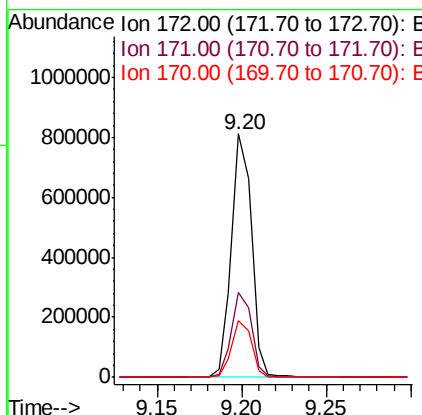
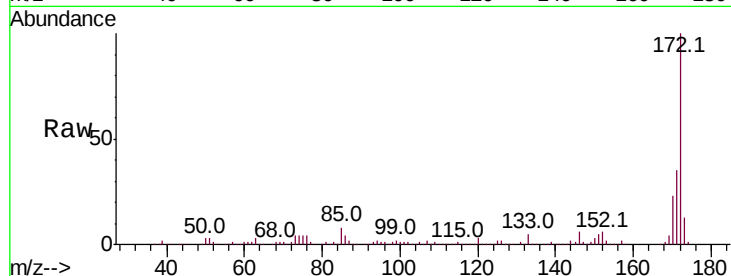


#45
 2-Fluorobiphenyl
 Concen: 65.642 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 674650

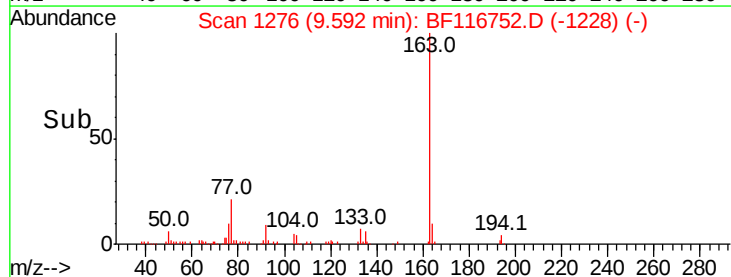
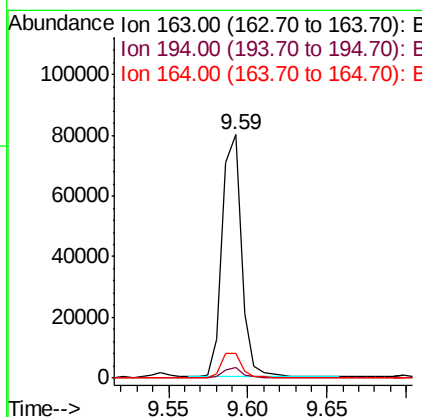
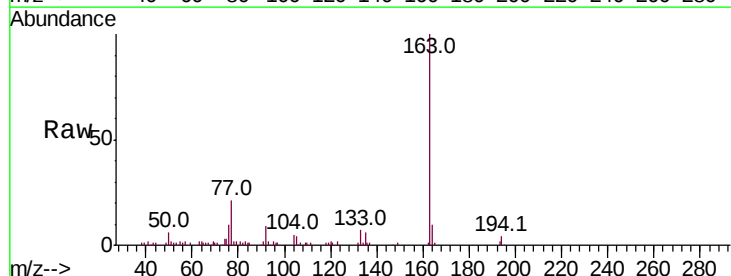
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.2	18.9	28.3

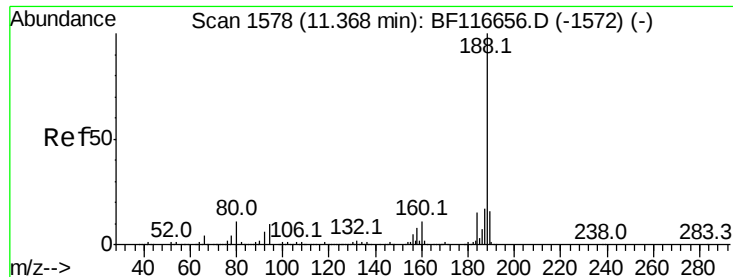


#50
 Dimethylphthalate
 Concen: 5.669 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116752.D
 Acq: 1 Sep 2019 19:36

Tgt Ion:163 Resp: 67855

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	10.1	8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

ClientSampled :

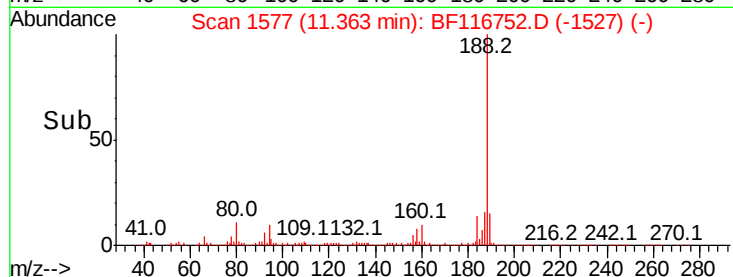
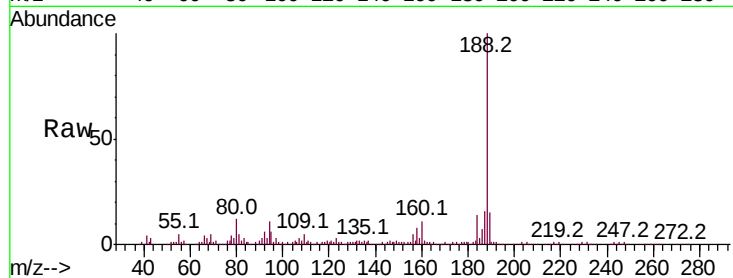
Tot Ion:188 Resp: 314760

Ion Ratio Lower Upper

188 100

94 10.6 7.3 10.9

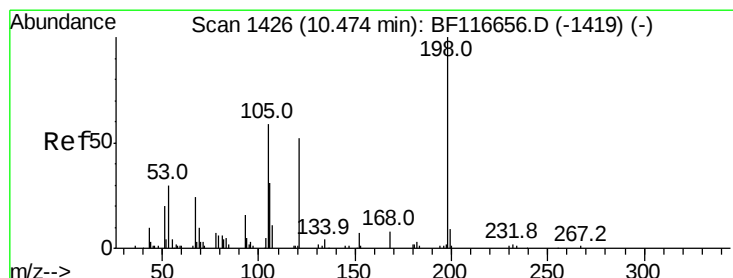
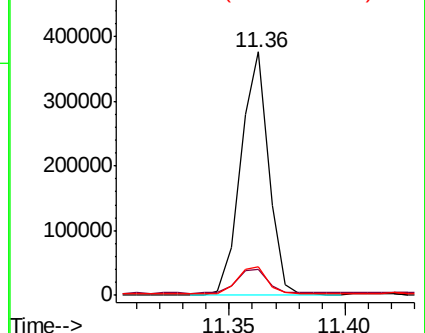
80 11.7 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.653 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.19 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

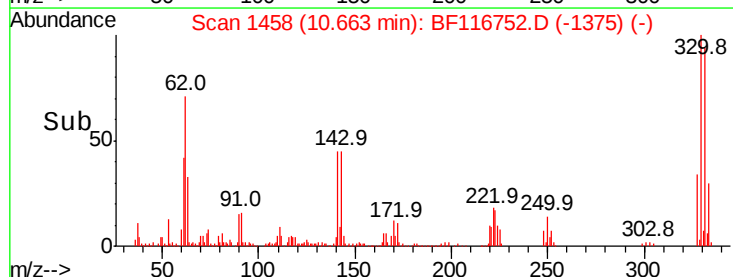
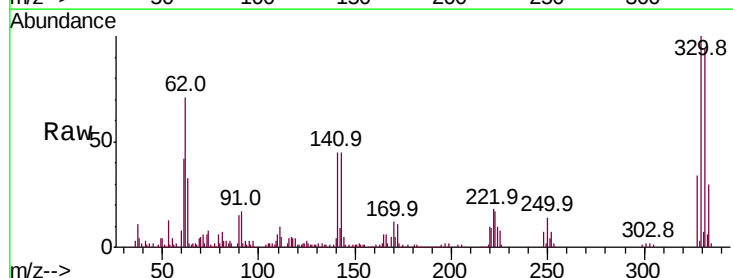
Tgt Ion:198 Resp: 277

Ion Ratio Lower Upper

198 100

51 252.0 18.4 58.4#

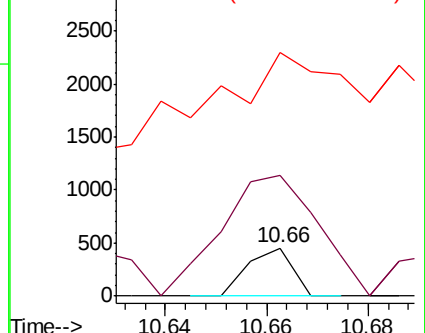
105 507.7 22.9 62.9#

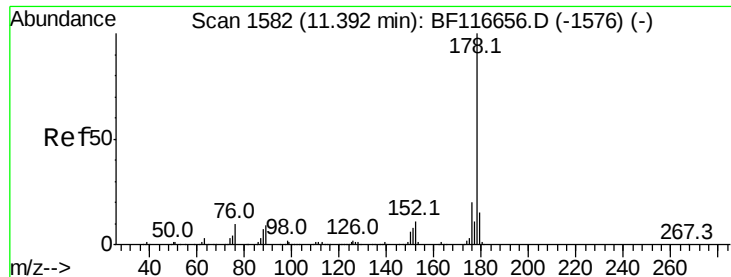


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 2.544 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

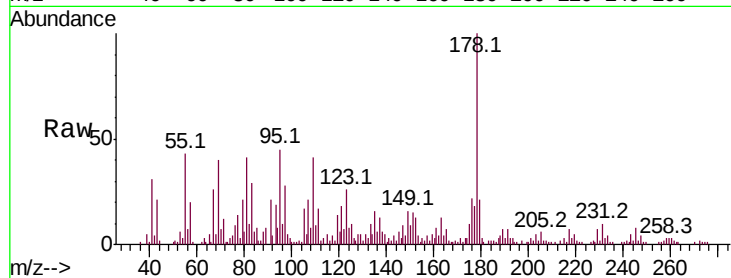
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 44579

Ion	Ratio	Lower	Upper
178	100		
176	21.6	15.4	23.0
179	21.2	12.2	18.2

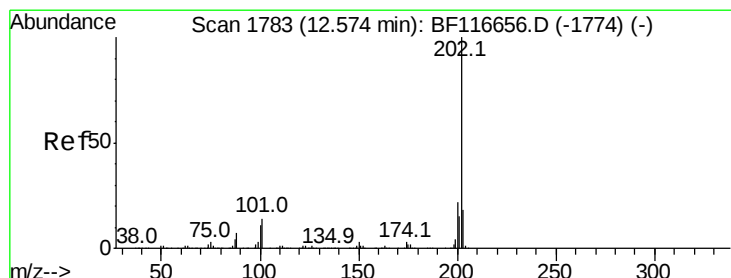
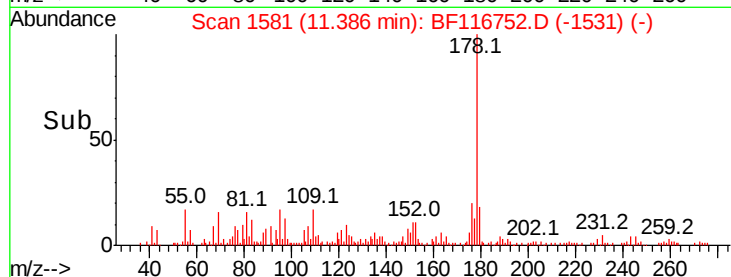
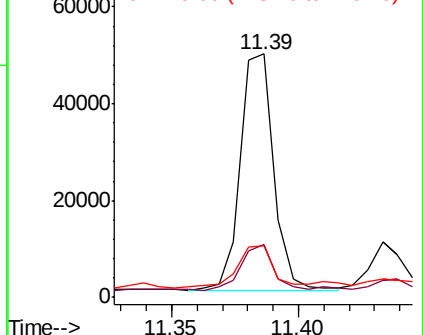


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.535 ng

RT: 12.57 min Scan# 1783

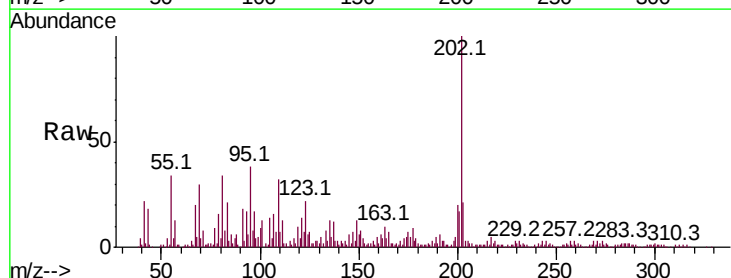
Delta R.T. 0.00 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Tgt Ion:202 Resp: 129743

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.3
203	20.8	0.0	37.6

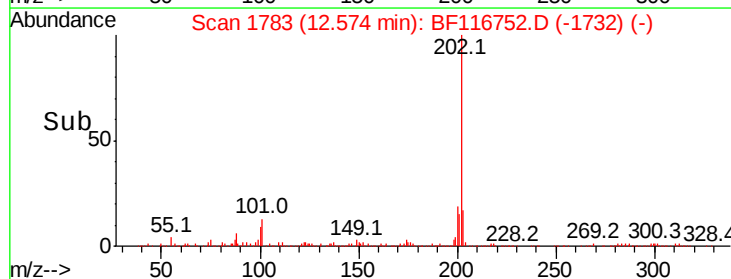
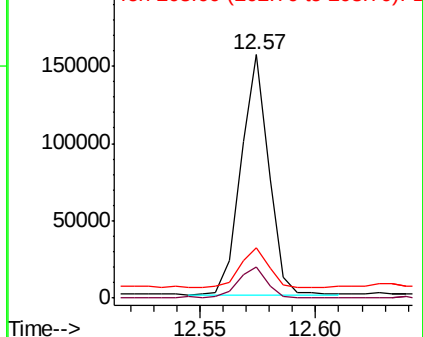


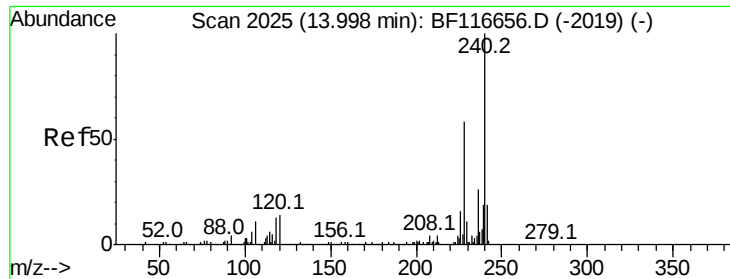
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

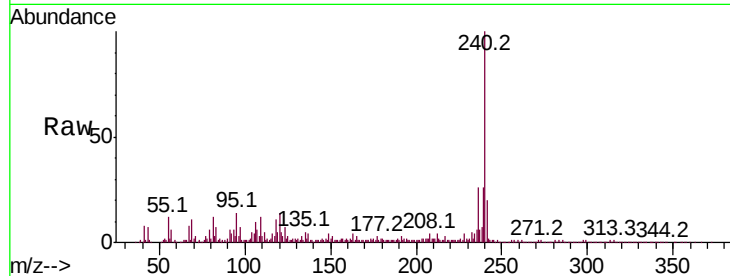




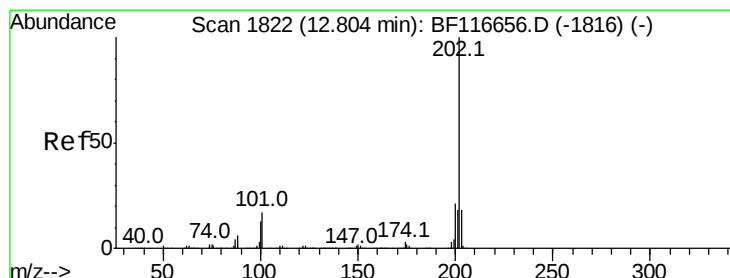
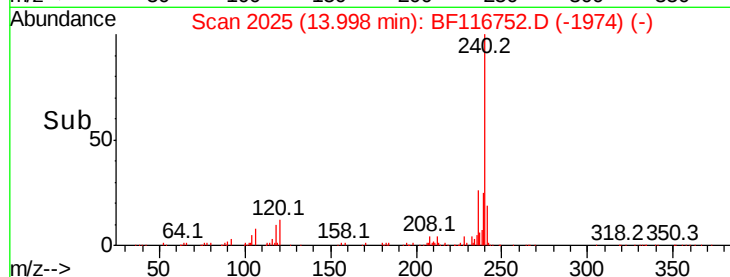
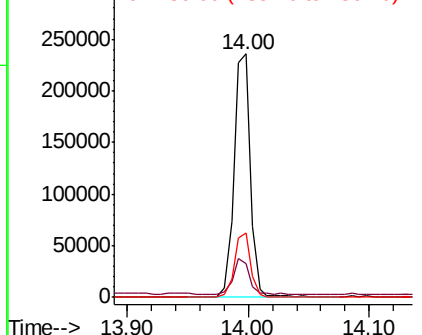
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.1	13.7
236	26.3	21.1	31.7

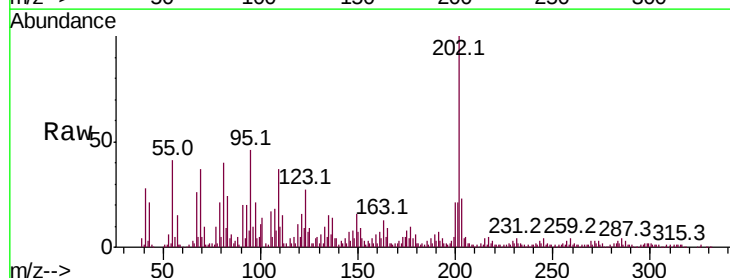


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

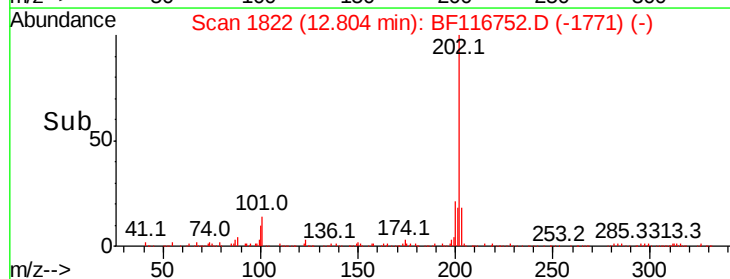
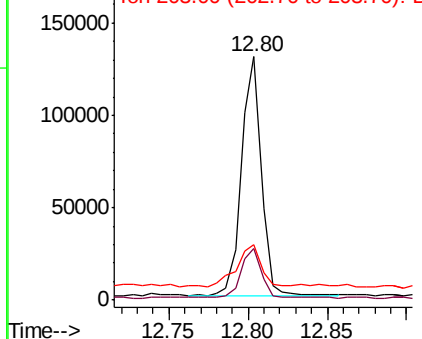


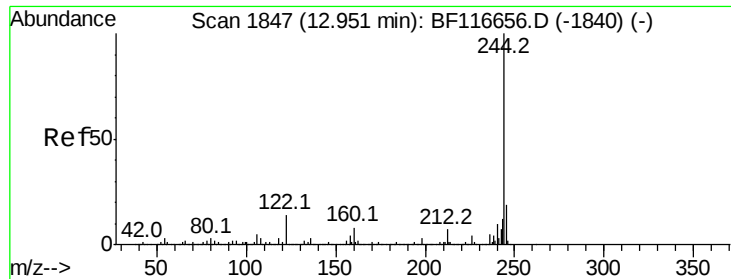
#78
Pyrene
Concen: 5.650 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.5	24.7
203	23.0	13.7	20.5



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: 62.960 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

ClientSampled :

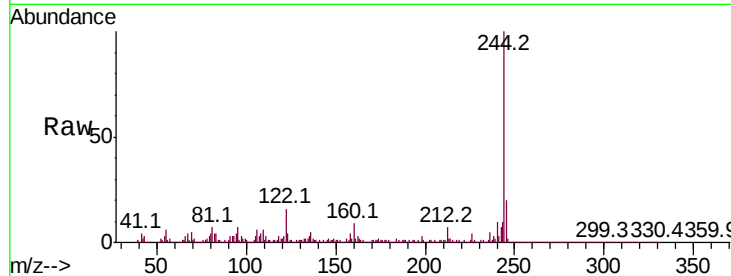
Tot Ion:244 Resp: 751910

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

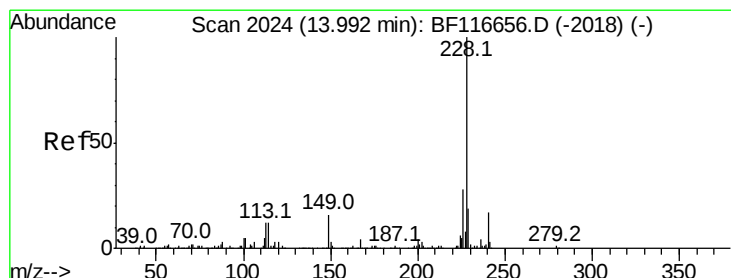
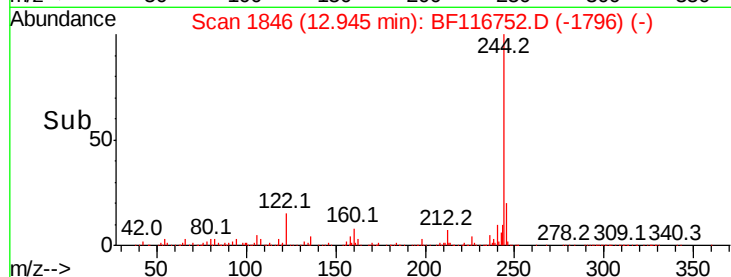
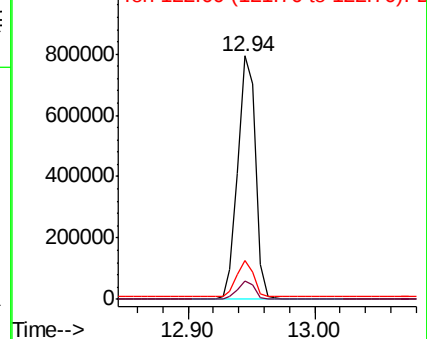
122 16.2 10.2 15.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.689 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

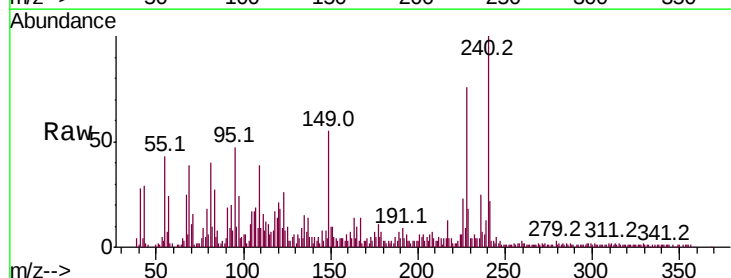
Tgt Ion:228 Resp: 51586

Ion Ratio Lower Upper

228 100

226 29.7 22.0 33.0

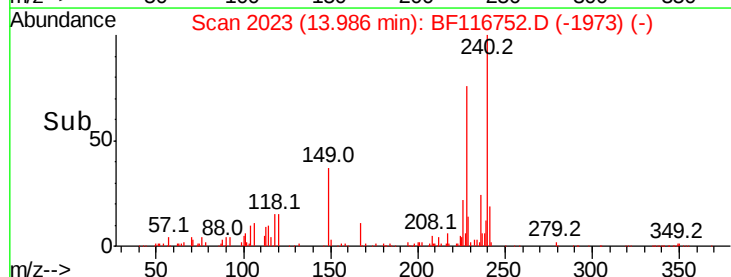
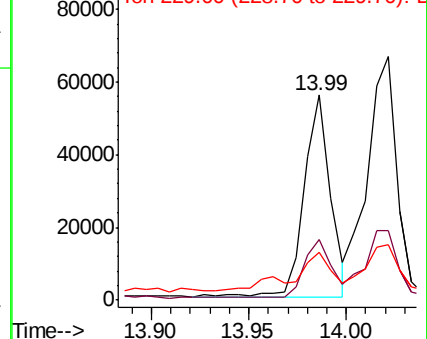
229 23.4 16.4 24.6

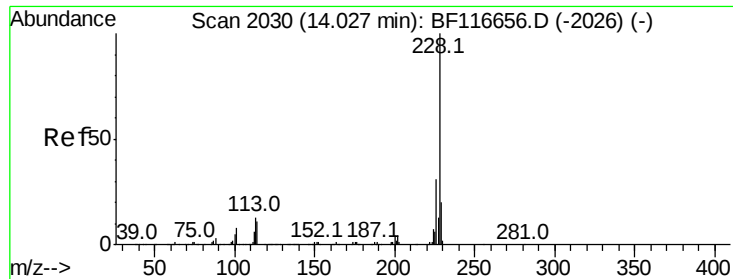


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.839 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

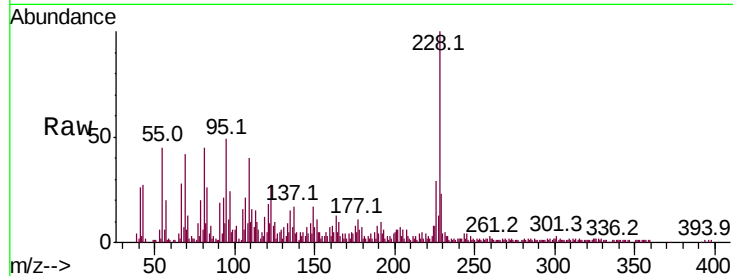
Tot Ion:228 Resp: 69710

Ion Ratio Lower Upper

228 100

226 28.8 24.0 36.0

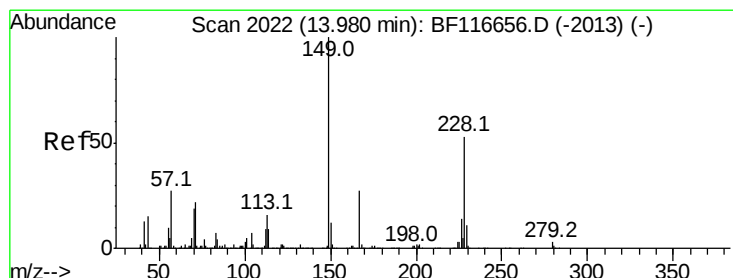
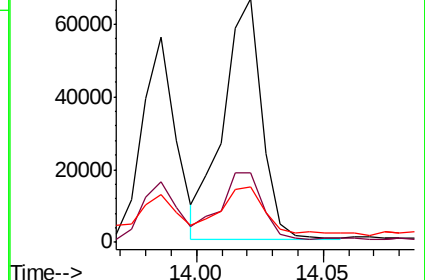
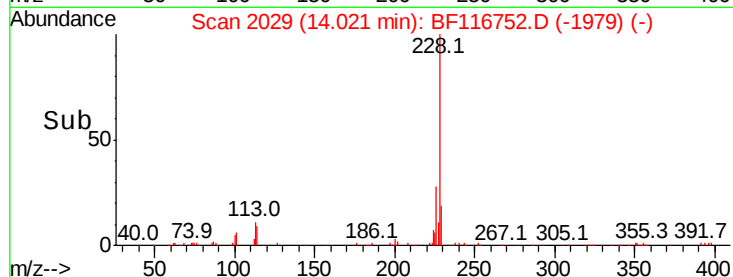
229 23.0 15.4 23.0



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.335 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

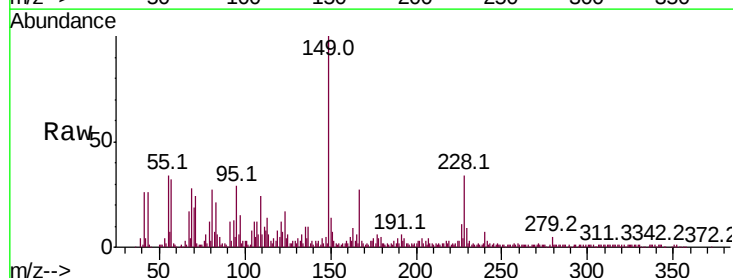
Tgt Ion:149 Resp: 98269

Ion Ratio Lower Upper

149 100

167 27.3 21.0 31.4

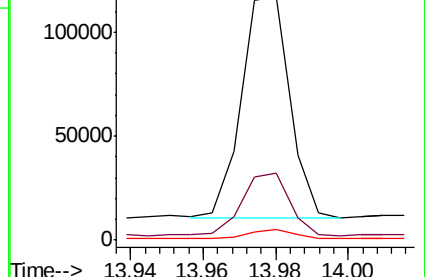
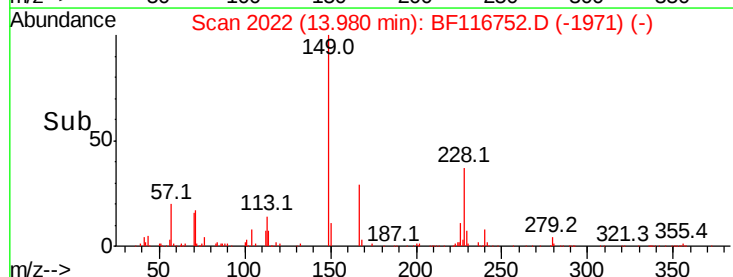
279 4.6 2.8 4.2#

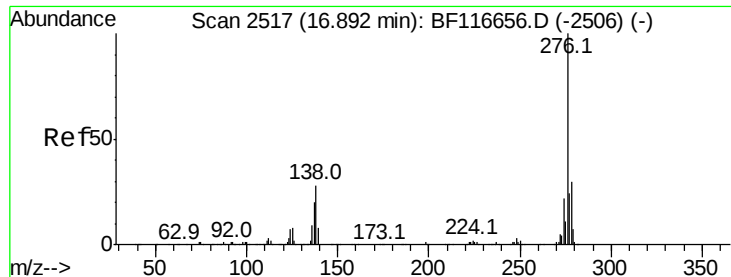


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.680 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

Instrument :

BNA_F

ClientSampleId :

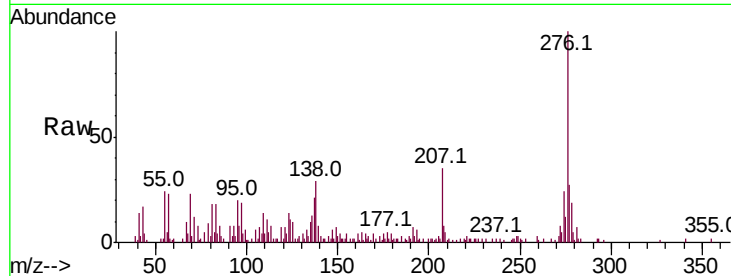
Tot Ion:276 Resp: 42581

Ion Ratio Lower Upper

276 100

138 27.2 19.4 29.2

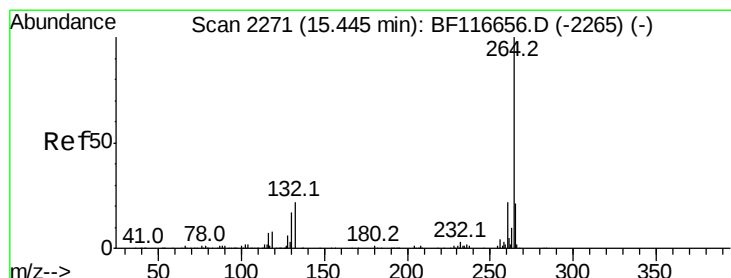
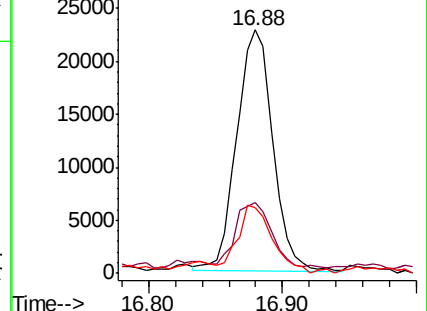
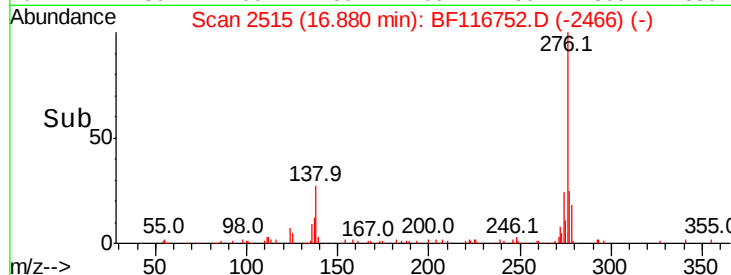
277 24.7 20.5 30.7



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: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116752.D

Acq: 1 Sep 2019 19:36

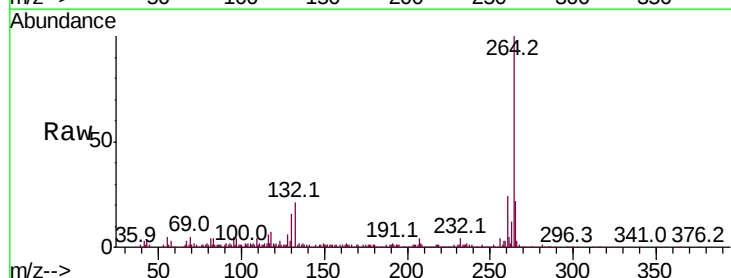
Tgt Ion:264 Resp: 237069

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

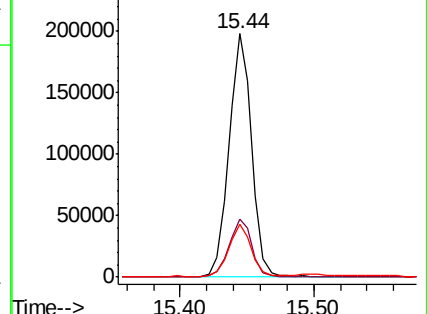
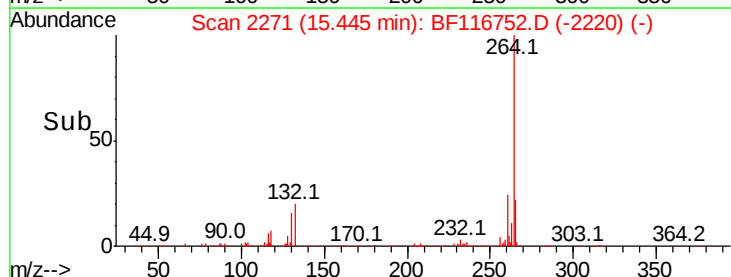
265 21.9 16.5 24.7

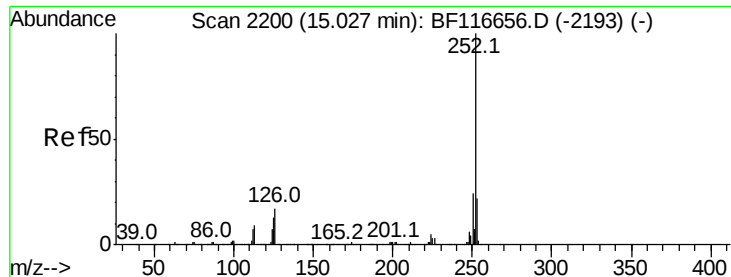


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

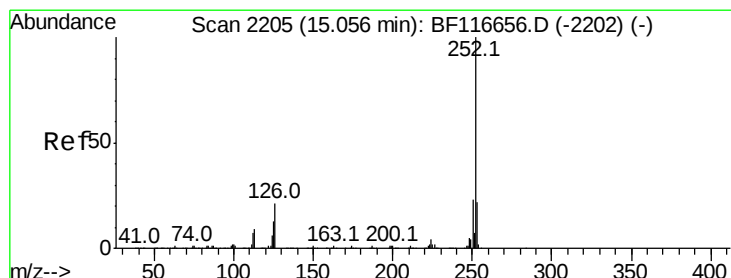
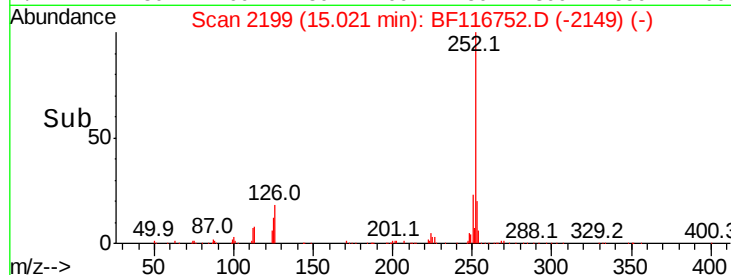
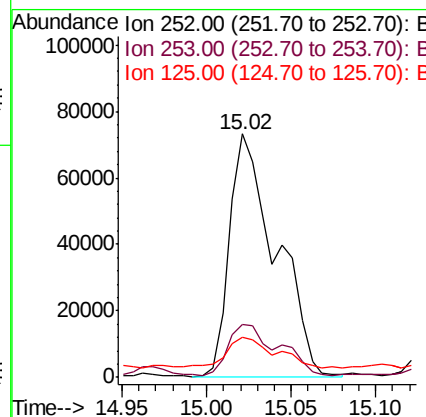
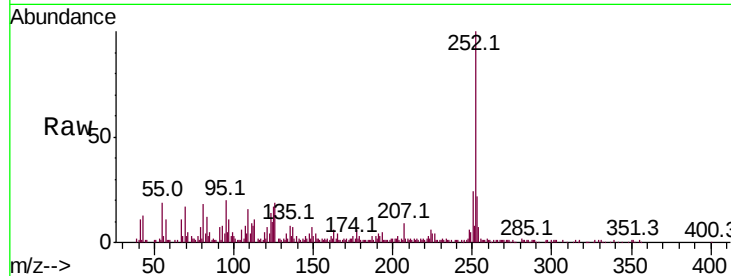




#88
Benzo(b)fluoranthene
Concen: 9.663 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

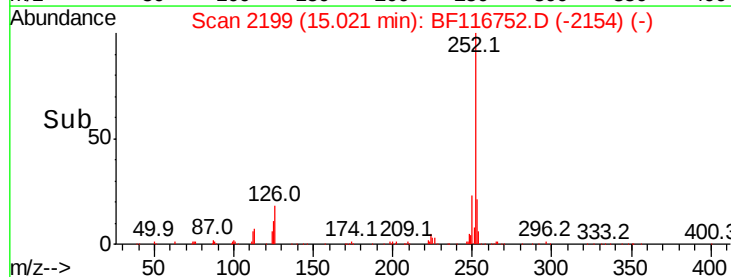
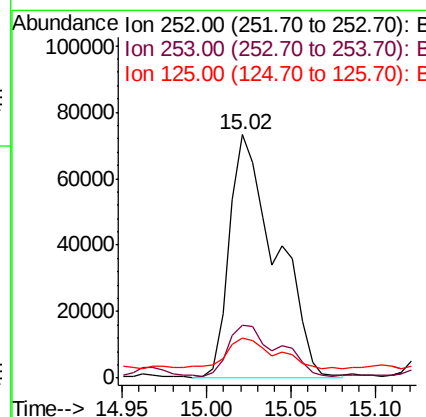
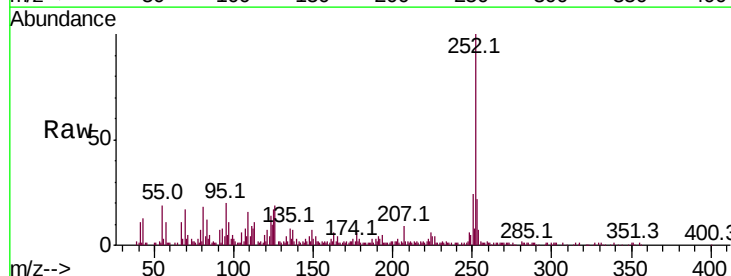
Instrument :
BNA_F
ClientSampled :

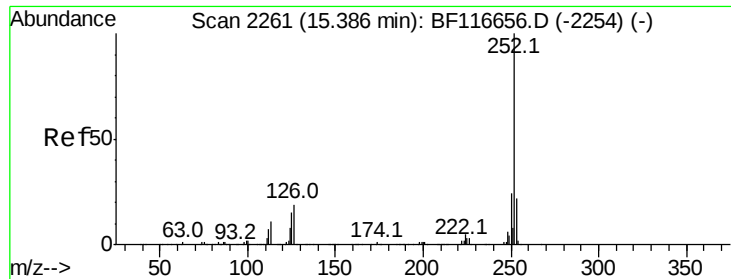
Tot Ion:252 Resp: 138492
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 16.6 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 10.598 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion:252 Resp: 138492
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 16.6 8.6 13.0#

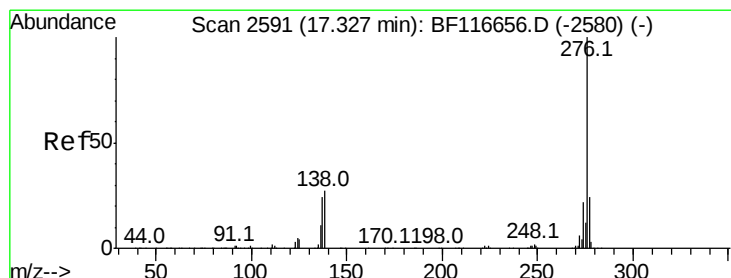
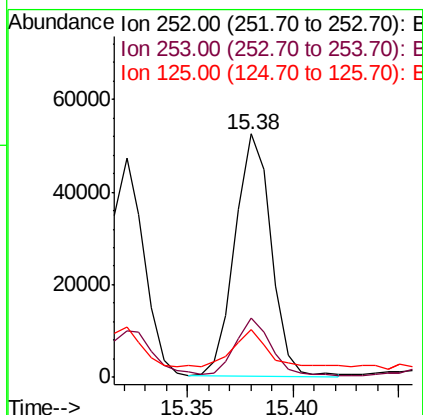
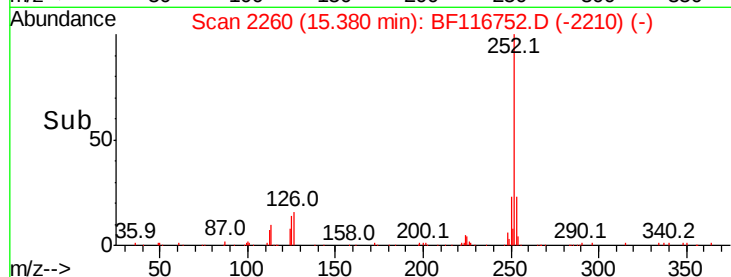
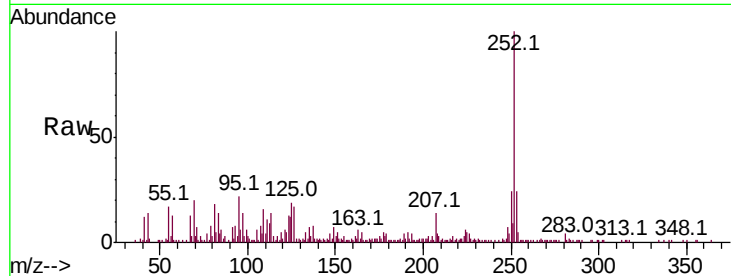




#90
Benzo(a)pyrene
Concen: 4.966 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 61920
Ion Ratio Lower Upper
252 100
253 24.4 18.1 27.1
125 19.5 9.8 14.8#



#92
Benzo(g,h,i)perylene
Concen: 3.690 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.02 min
Lab File: BF116752.D
Acq: 1 Sep 2019 19:36

Tgt Ion:276 Resp: 41073
Ion Ratio Lower Upper
276 100
277 21.0 18.5 27.7
138 27.8 16.2 24.2#

