

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116370.D
 Acq On : 17 Aug 2019 21:00
 Operator : HP/JU
 Sample : K4223-23
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 05:56:32 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

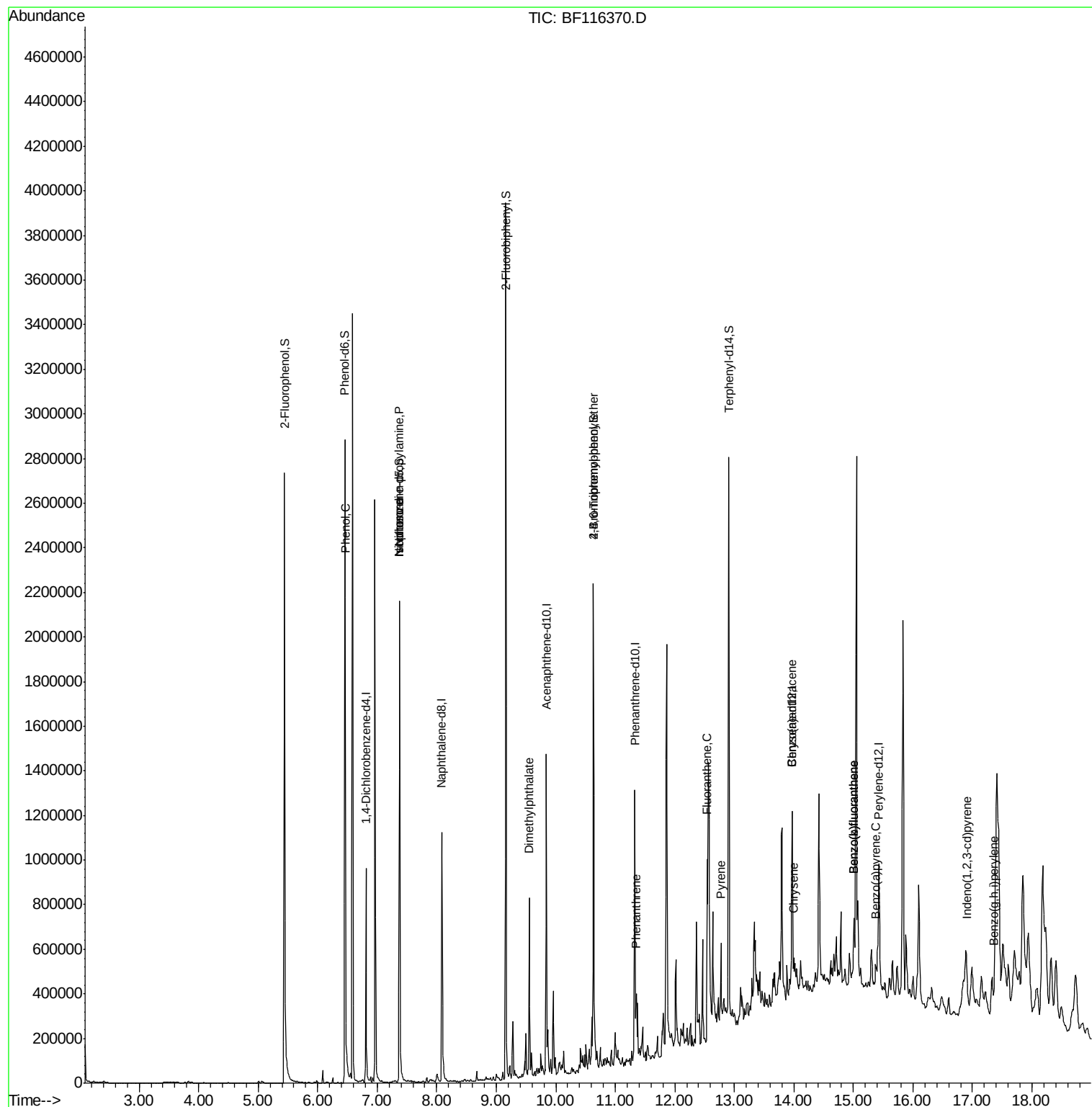
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	141187	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	532020	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	262420	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	398292	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	257804	20.00	ng	-0.04
87) Perylene-d12	15.43	264	274602	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	922570	109.39	ng	-0.03
7) Phenol-d6	6.46	99	1199403	112.72	ng	-0.03
23) Nitrobenzene-d5	7.37	82	759458	82.40	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	271275	106.62	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	1177777	84.07	ng	-0.04
79) Terphenyl-d14	12.91	244	880750	71.99	ng	-0.04
Target Compounds						Qvalue
10) Phenol	6.47	94	31827	2.540	ng	94
19) n-Nitroso-di-n-propylamine	7.37	70	101120	15.336	ng	# 80
25) Isophorone	7.37	82	759453	43.092	ng	# 65
50) Dimethylphthalate	9.56	163	279799	15.659	ng	99
67) 4-Bromophenyl-phenylether	10.63	248	16452	3.859	ng	# 1
71) Phenanthrene	11.35	178	77835	3.823	ng	98
75) Fluoranthene	12.54	202	128778	6.041	ng	99
78) Pyrene	12.77	202	109576	5.638	ng	98
81) Benzo(a)anthracene	13.96	228	52788	3.204	ng	97
83) Chrysene	14.00	228	53680	3.356	ng	99
86) Indeno(1,2,3-cd)pyrene	16.91	276	32248	2.400	ng	97
88) Benzo(b)fluoranthene	15.01	252	101458	6.390	ng	# 86
89) Benzo(k)fluoranthene	15.01	252	101458	6.560	ng	# 86
90) Benzo(a)pyrene	15.37	252	50176	3.535	ng	# 90
92) Benzo(a,h,i)perylene	17.36	276	36515	3.026	ng	# 89

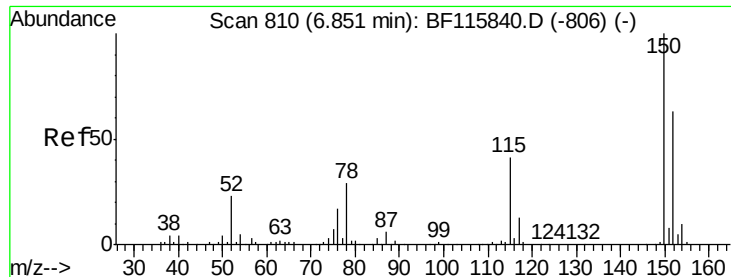
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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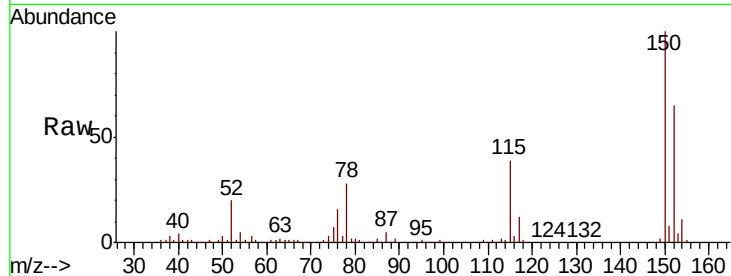


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	60.4	49.9	74.9

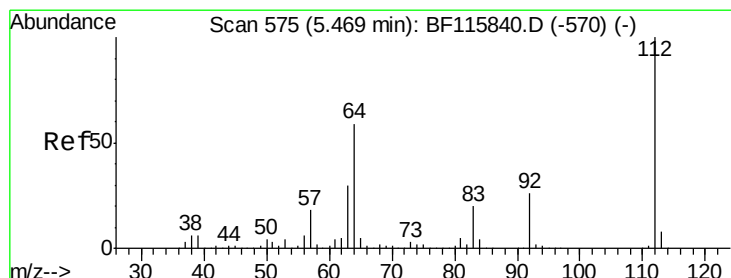
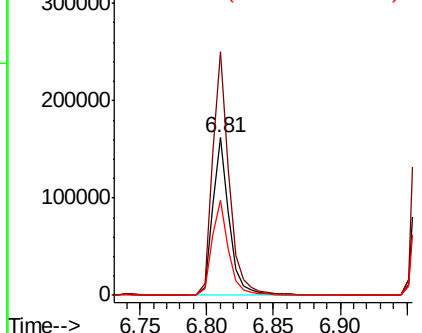
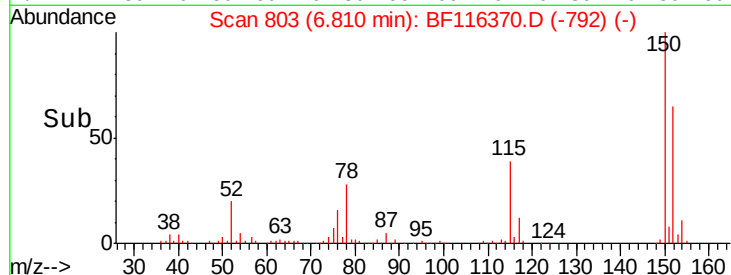


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

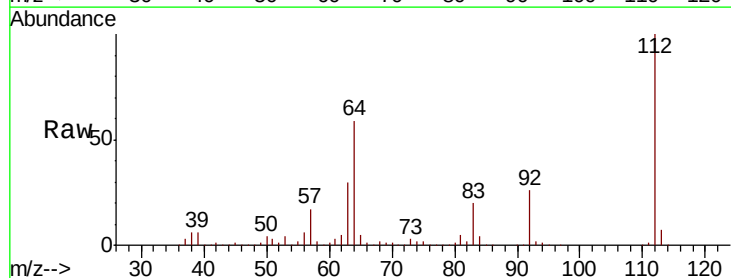
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.390 ng
RT: 5.44 min Scan# 570
Delta R.T. -0.03 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	45.4	68.2
63	30.3	23.7	35.5

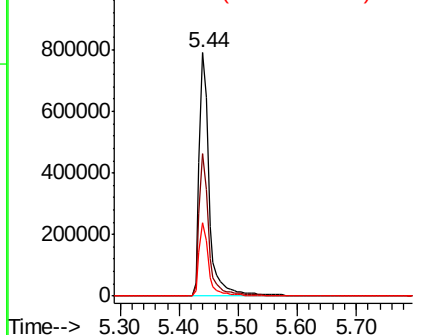
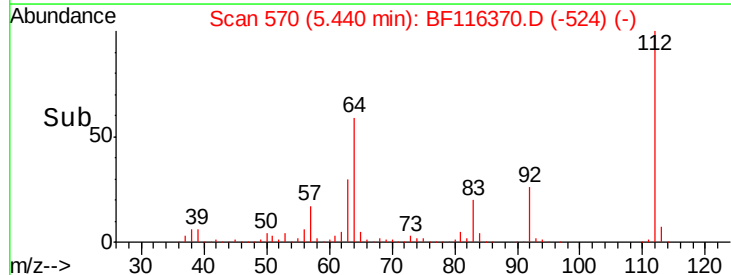


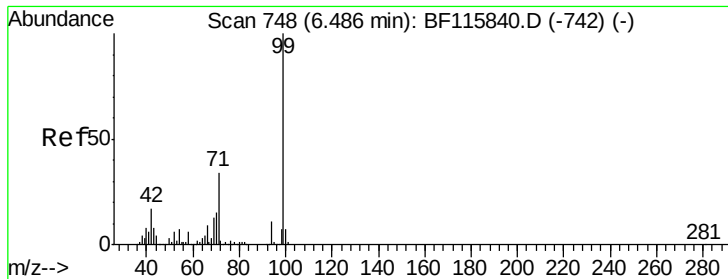
Abundance

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: 112.718 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

Instrument :

BNA_F

ClientSampleId :

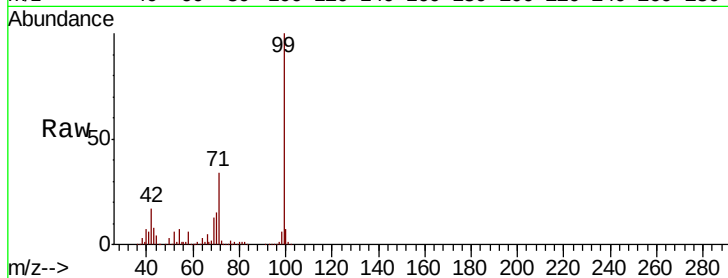
Tot Ion: 99 Resp: 1199403

Ion Ratio Lower Upper

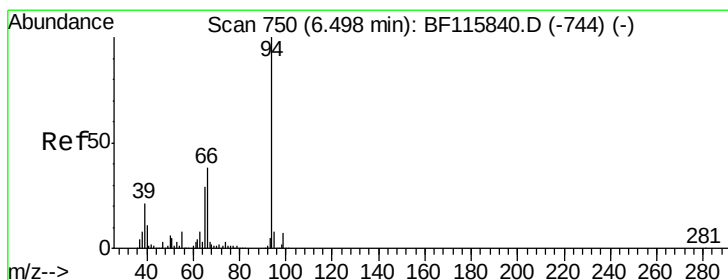
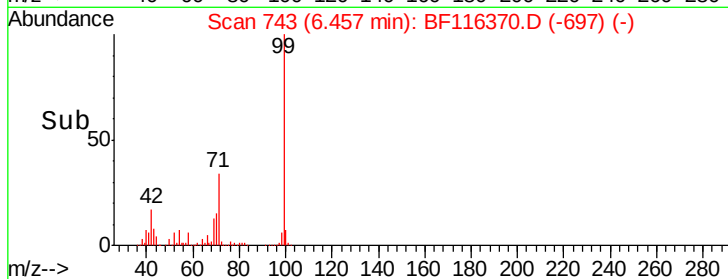
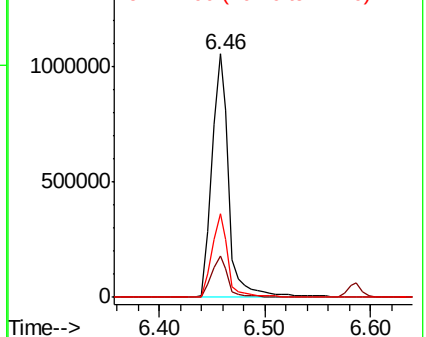
99 100

42 17.1 13.8 20.8

71 34.3 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: 2.540 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

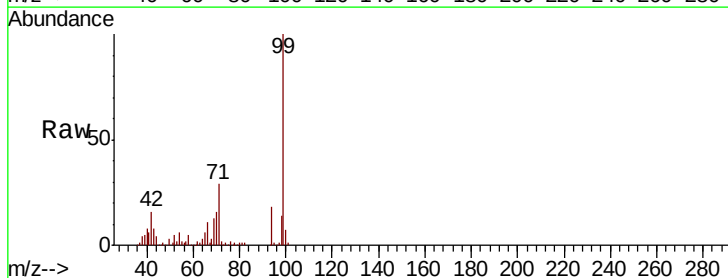
Tgt Ion: 94 Resp: 31827

Ion Ratio Lower Upper

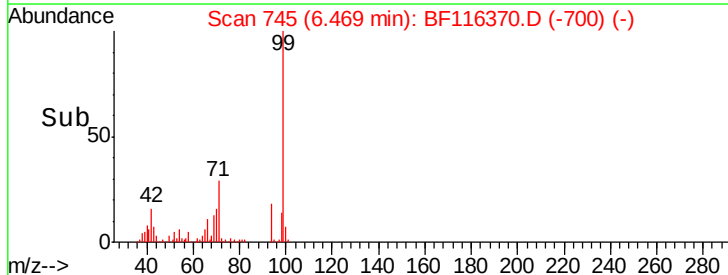
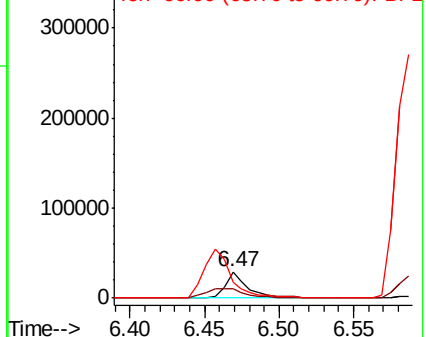
94 100

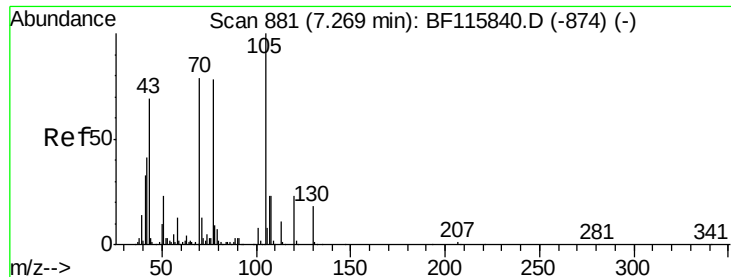
65 34.2 16.8 56.8

66 59.1 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

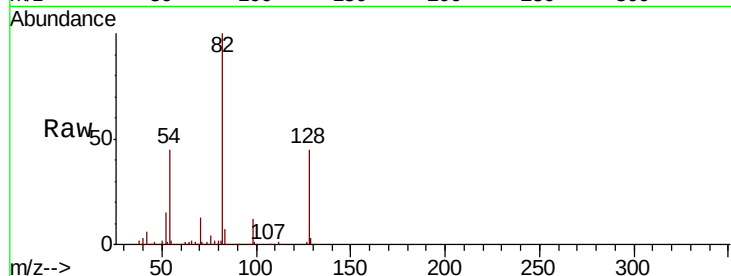




#19
n-Nitroso-di-n-propylamine
Concen: 15.336 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.11 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
70	100		
42	43.3	40.9	61.3
101	0.0	7.9	11.9#
130	2.4	16.9	25.3#



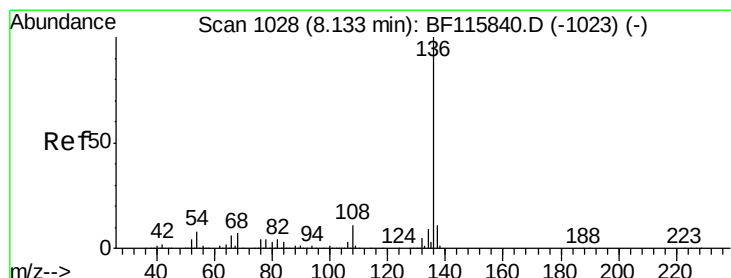
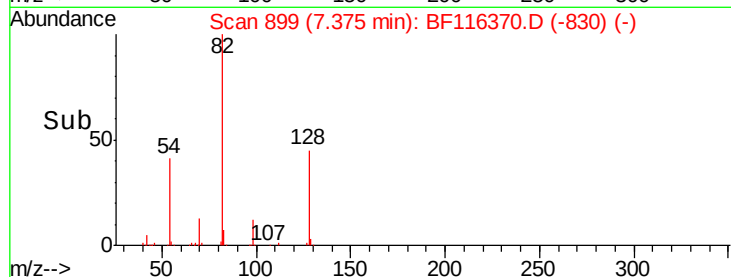
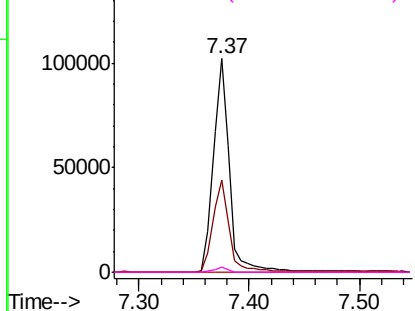
Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.4
54	7.7	5.8	8.6
68	7.0	5.2	7.8

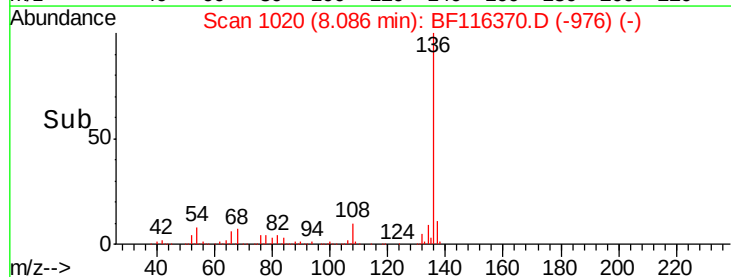
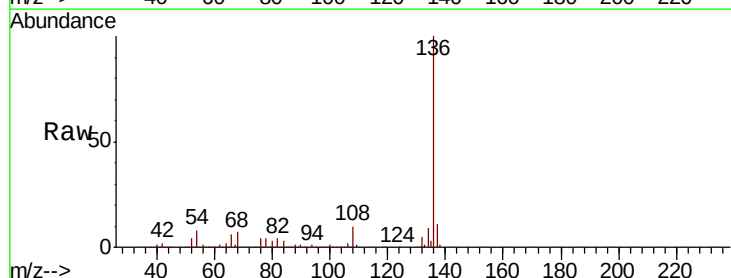
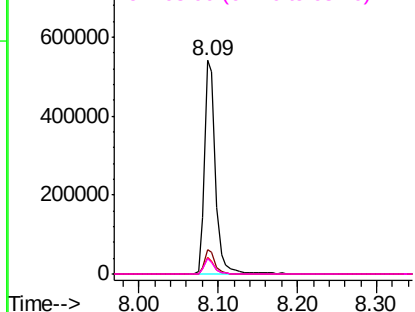
Abundance

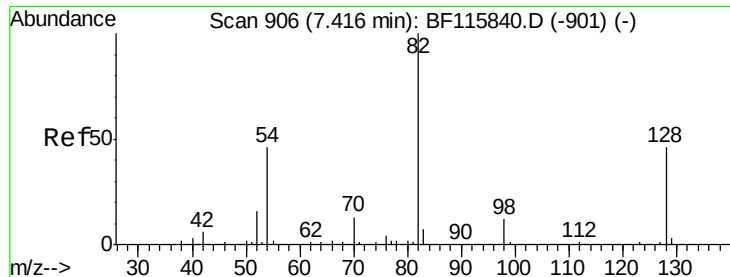
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

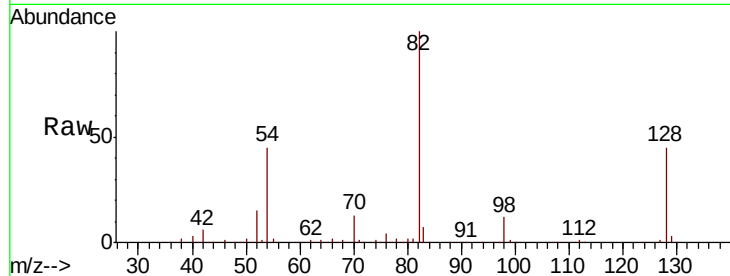




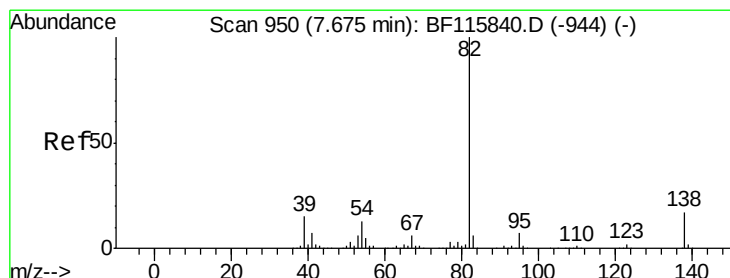
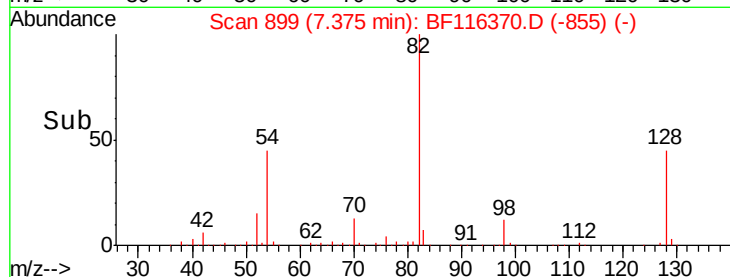
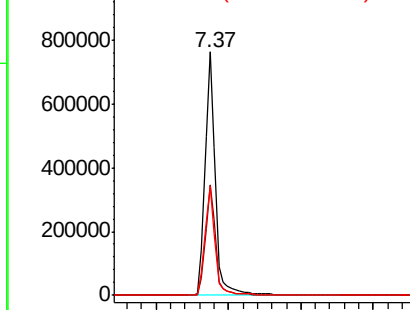
#23
Nitrobenzene-d5
Concen: 82.400 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	759458
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.5	54.7
54	45.1	36.0	54.0

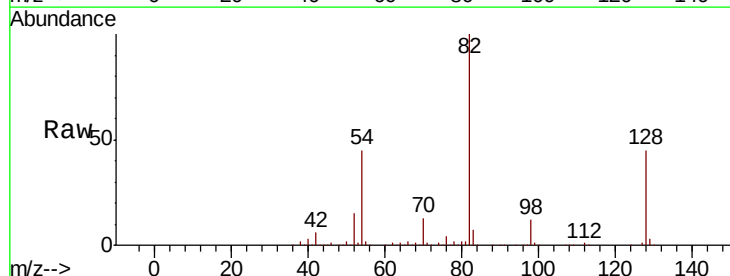


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

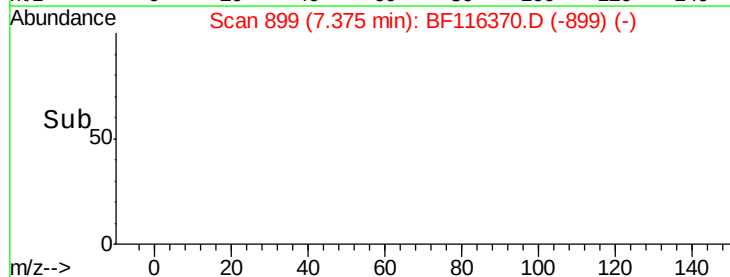
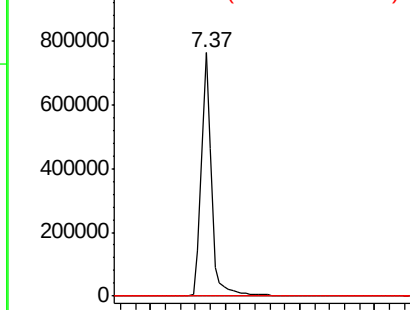


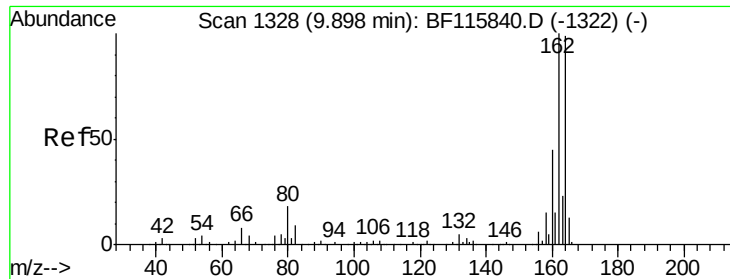
#25
Isophorone
Concen: 43.092 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.30 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion	82	Resp	759453
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

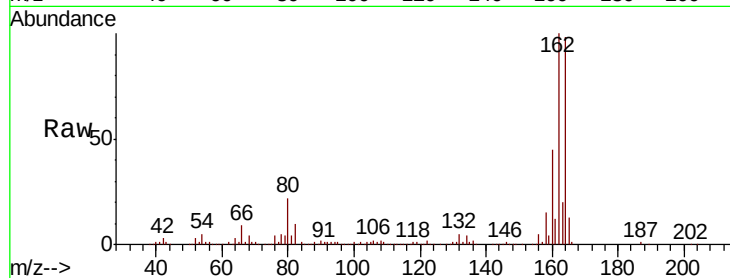




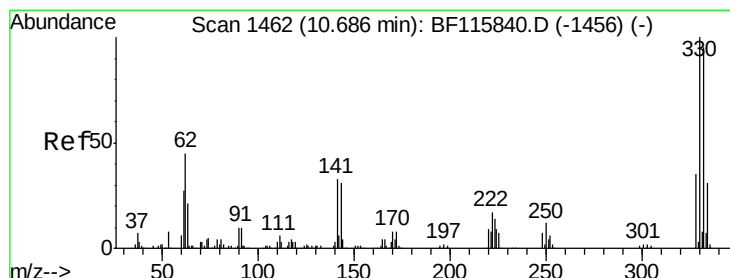
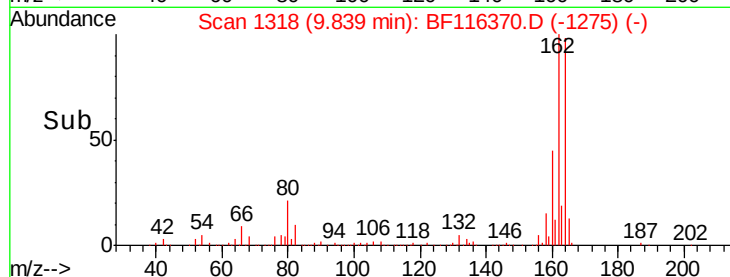
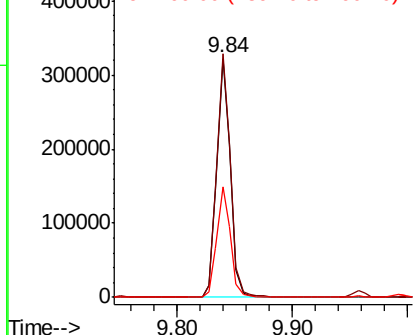
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 262420
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.6 124.0
 160 46.2 37.6 56.4

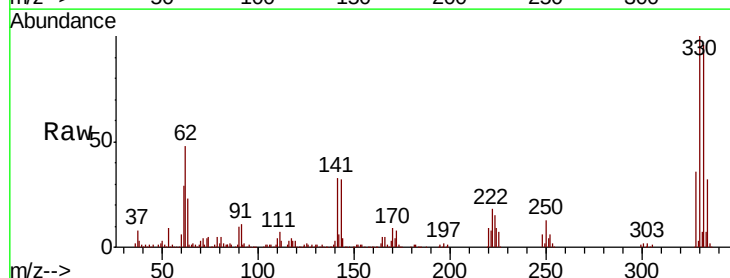


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

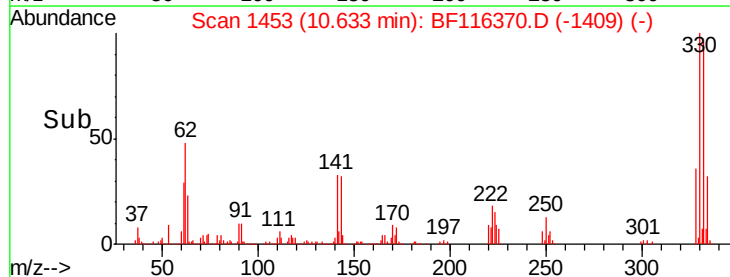
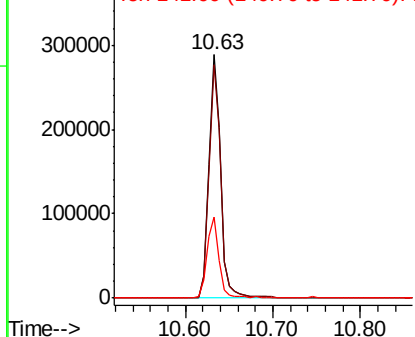


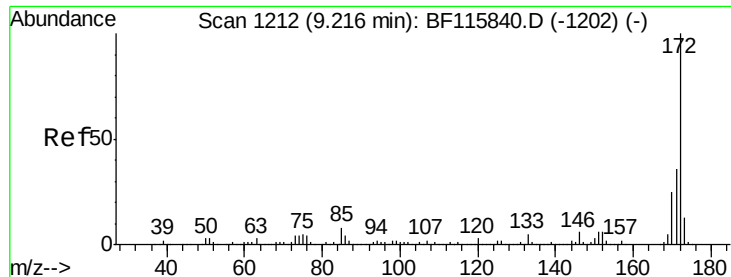
#42
 2,4,6-Tribromophenol
 Concen: 106.623 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.04 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

Tgt Ion:330 Resp: 271275
 Ion Ratio Lower Upper
 330 100
 332 96.4 76.8 115.2
 141 33.5 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



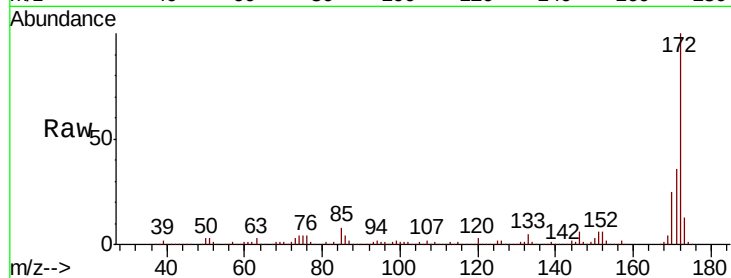


#45
 2-Fluorobiphenyl
 Concen: 84.066 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

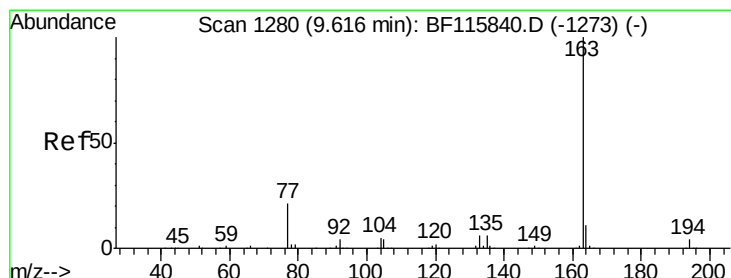
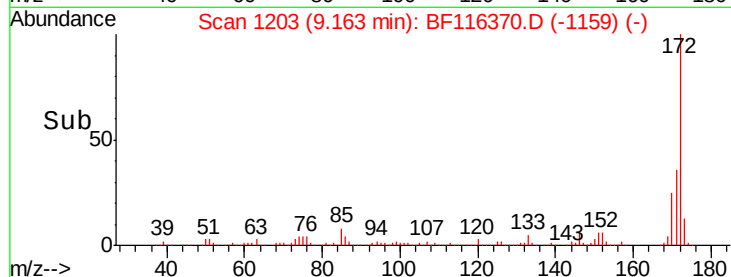
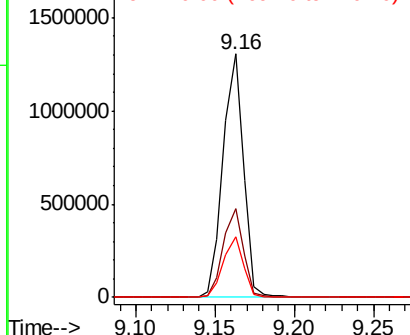
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1177777

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	24.8	20.1	30.1



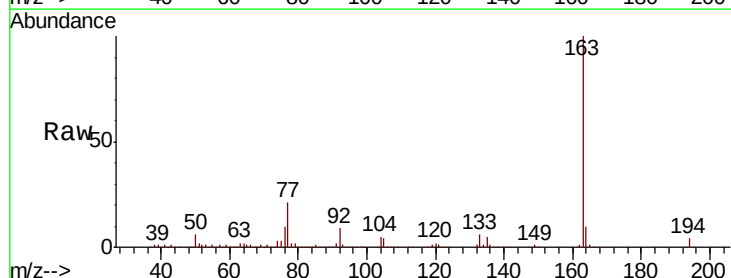
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



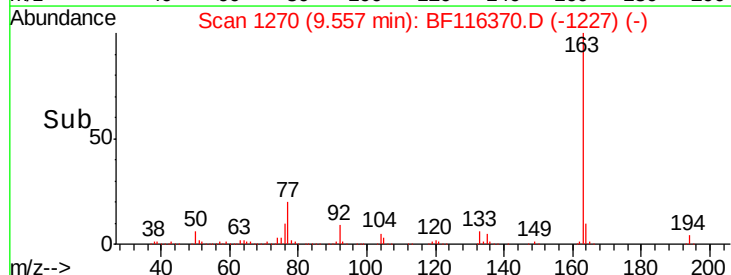
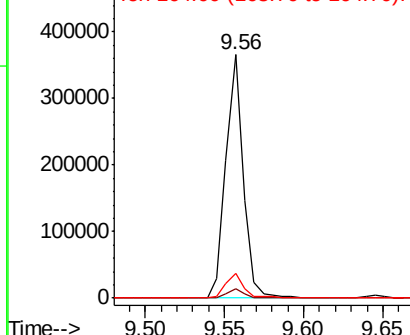
#50
 Dimethylphthalate
 Concen: 15.659 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.05 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

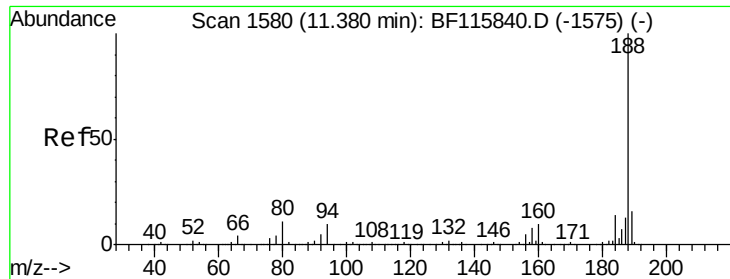
Tgt Ion:163 Resp: 279799

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.0	8.4	12.6



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

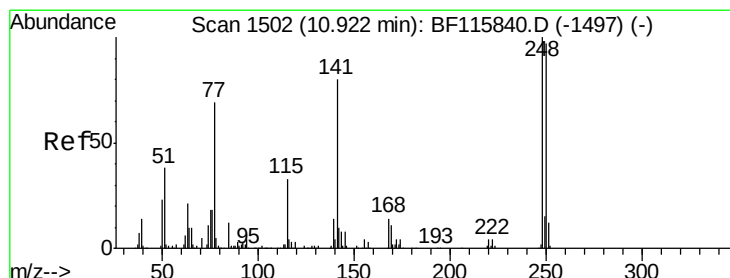
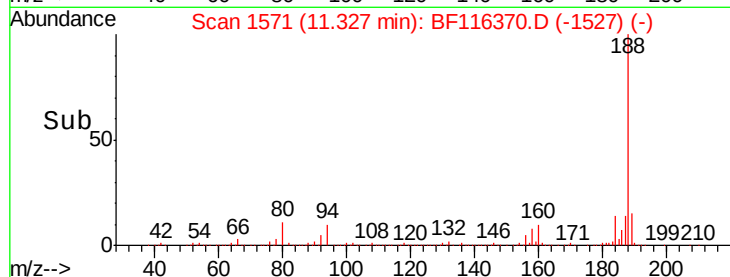
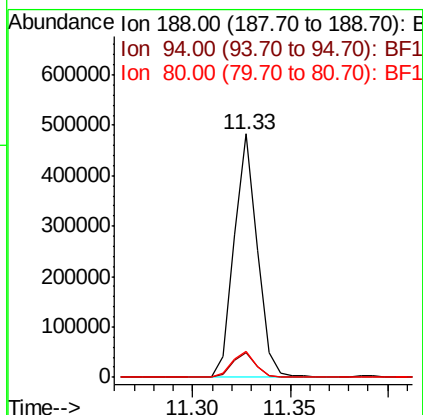
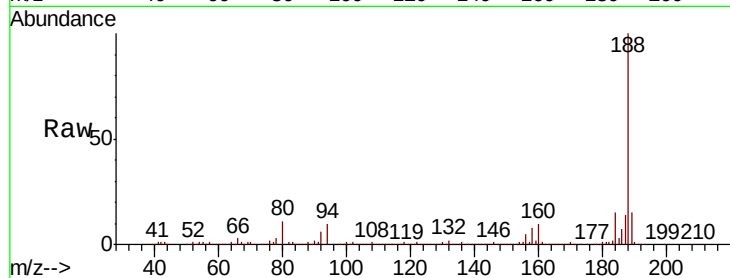




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

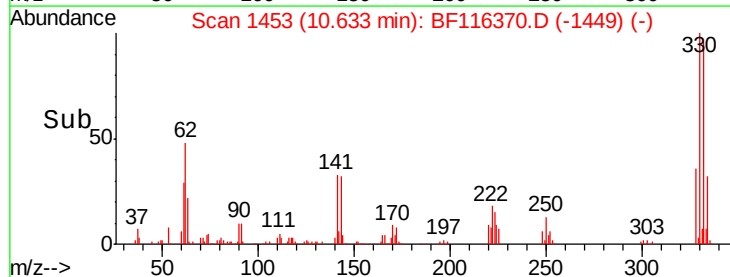
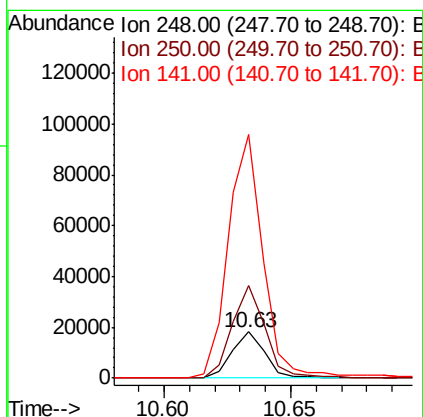
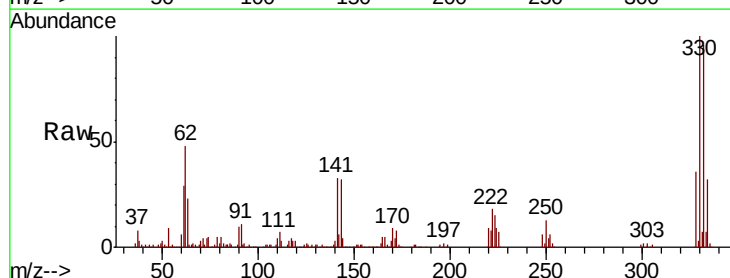
Instrument :
 BNA_F
 ClientSampleId :

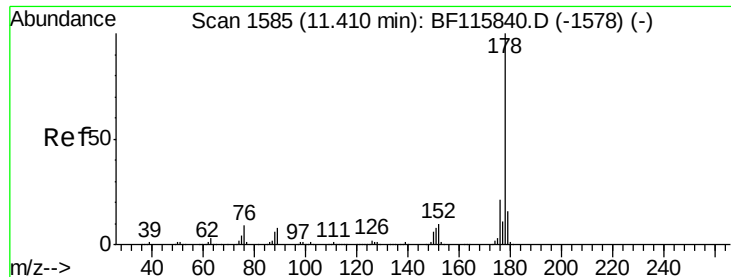
Tot Ion:188 Resp: 398292
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.1 12.1
 80 10.7 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.859 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.28 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

Tgt Ion:248 Resp: 16452
 Ion Ratio Lower Upper
 248 100
 250 200.8 77.4 116.2#
 141 529.0 56.8 85.2#

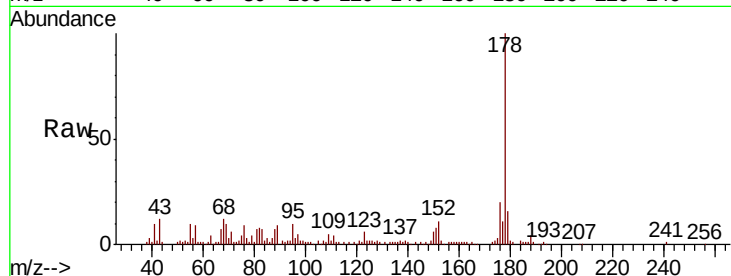




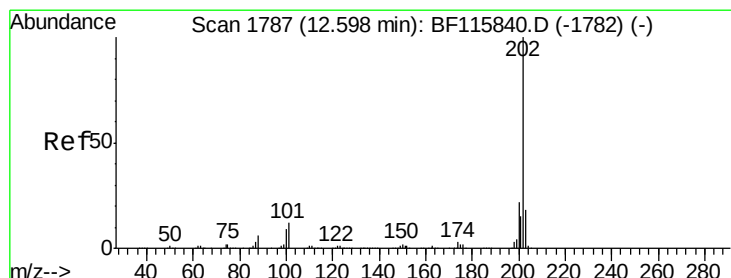
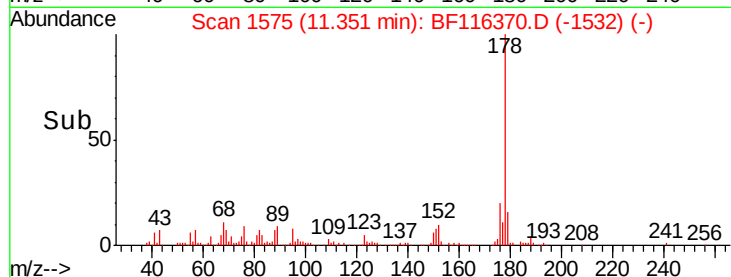
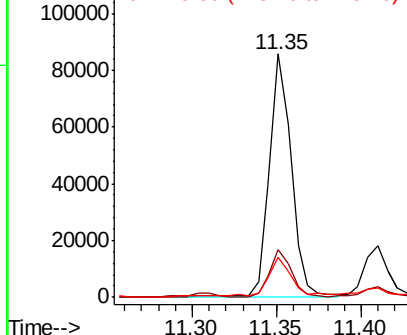
#71
Phenanthrene
Concen: 3.823 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 77835
Ion Ratio Lower Upper
178 100
176 19.8 16.6 24.8
179 16.2 12.5 18.7

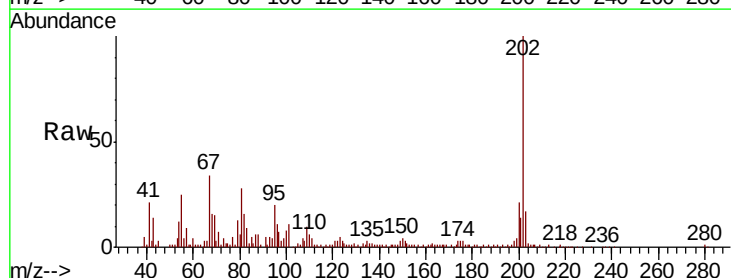


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

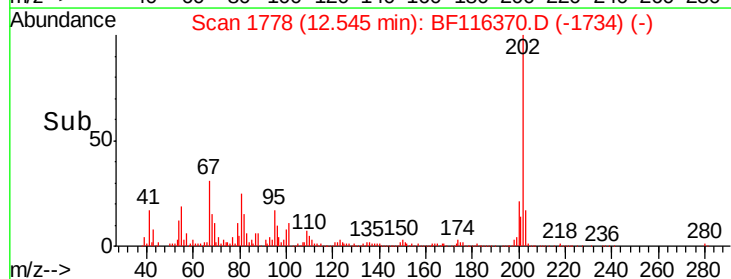
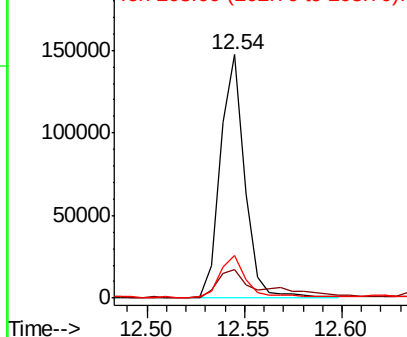


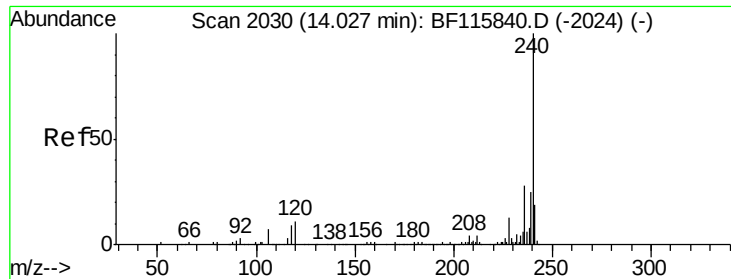
#75
Fluoranthene
Concen: 6.041 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion:202 Resp: 128778
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.2
203 17.5 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

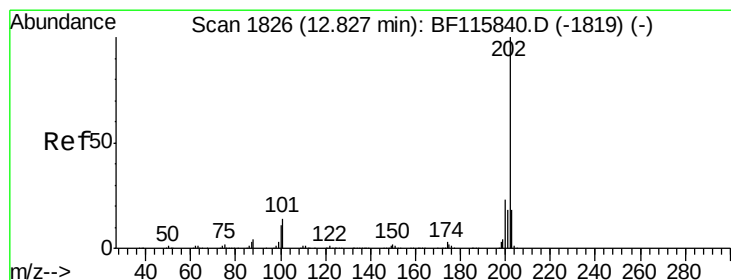
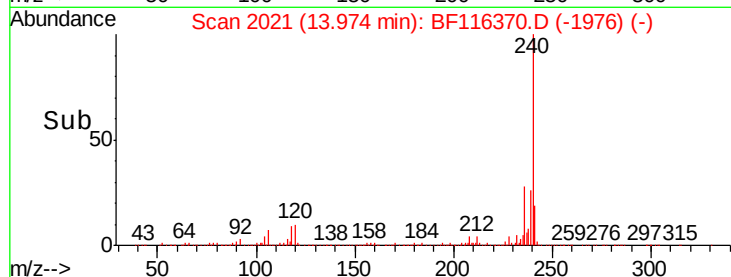
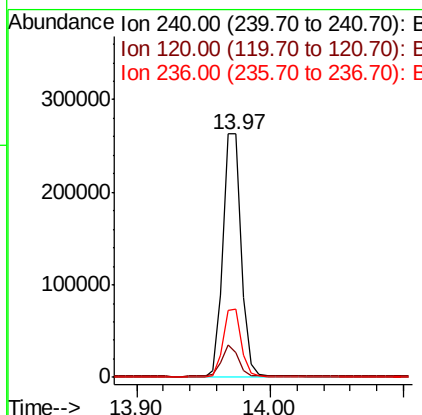
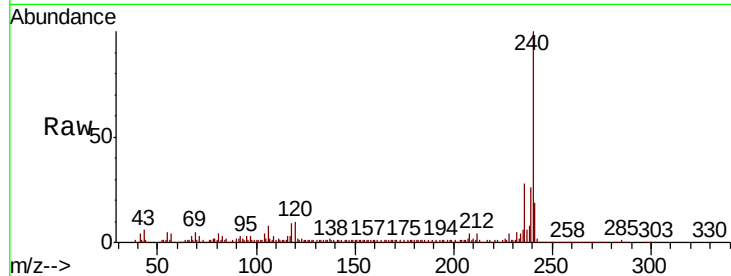




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

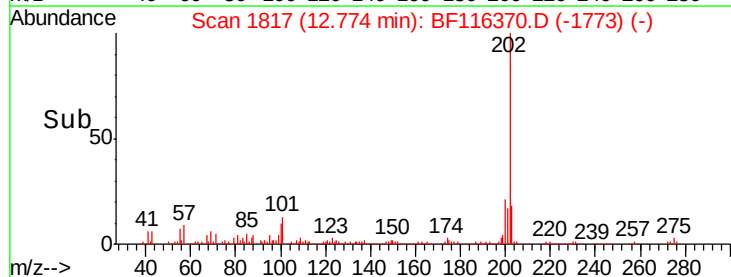
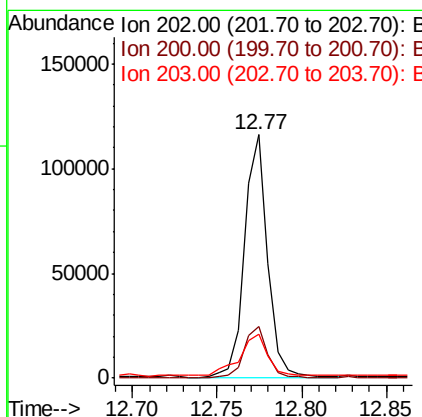
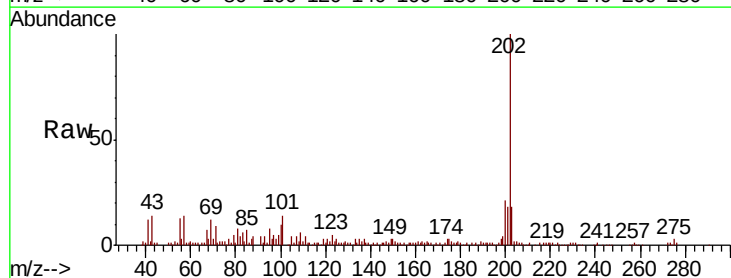
Instrument :
BNA_F
ClientSampleId :

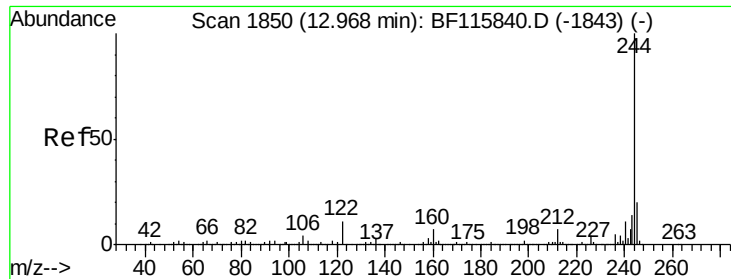
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.7	16.1#
236	27.8	22.2	33.2



#78
Pyrene
Concen: 5.638 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.0	27.0
203	18.0	14.1	21.1





#79

Terphenyl-d14

Concen: 71.988 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

Instrument :

BNA_F

ClientSampleId :

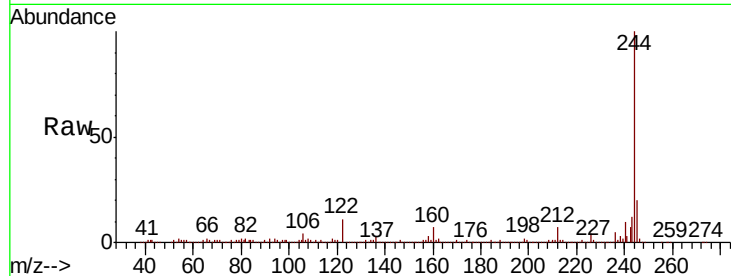
Tot Ion:244 Resp: 880750

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

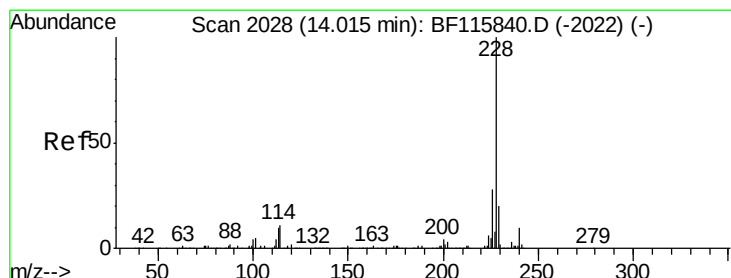
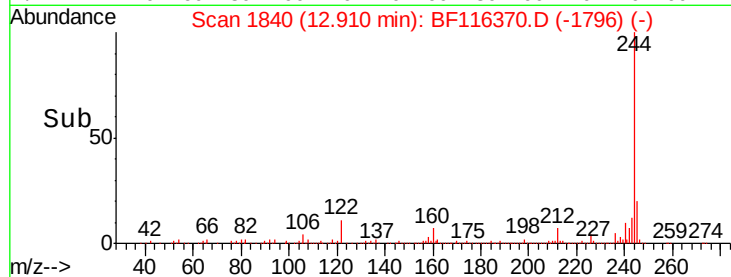
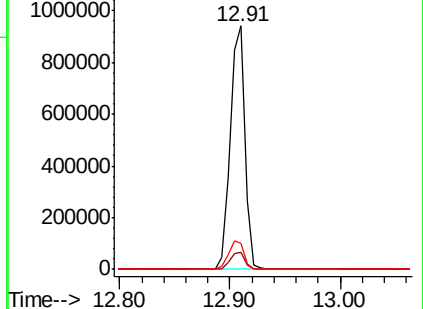
122 10.9 9.0 13.4



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: 3.204 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

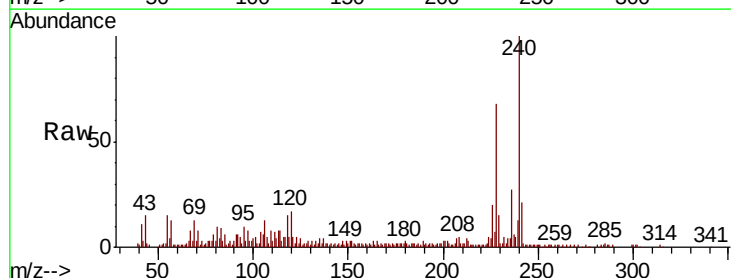
Tgt Ion:228 Resp: 52788

Ion Ratio Lower Upper

228 100

226 29.5 22.7 34.1

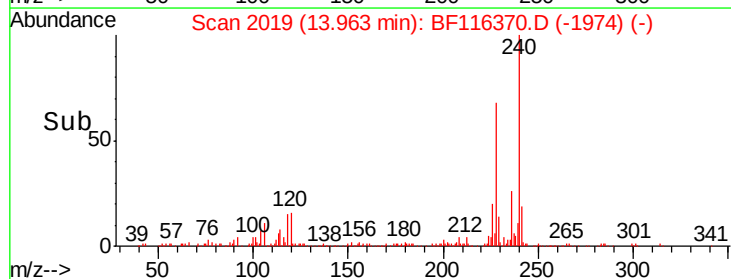
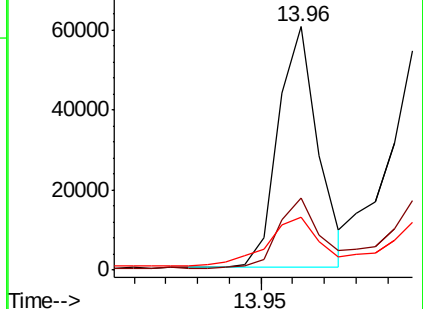
229 21.7 16.2 24.4

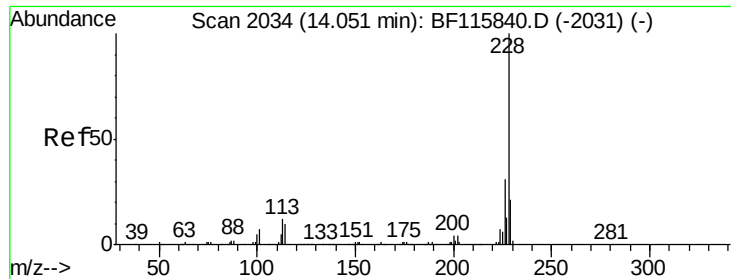


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.356 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

Instrument :

BNA_F

ClientSampleId :

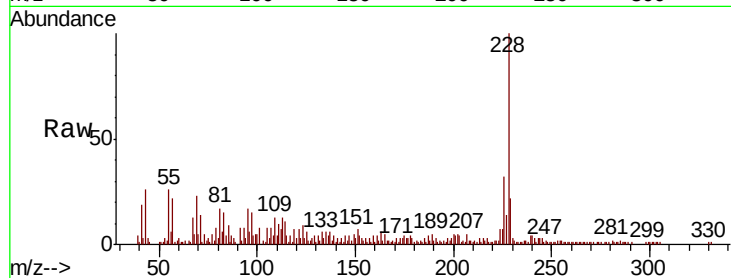
Tot Ion:228 Resp: 53680

Ion Ratio Lower Upper

228 100

226 31.7 25.5 38.3

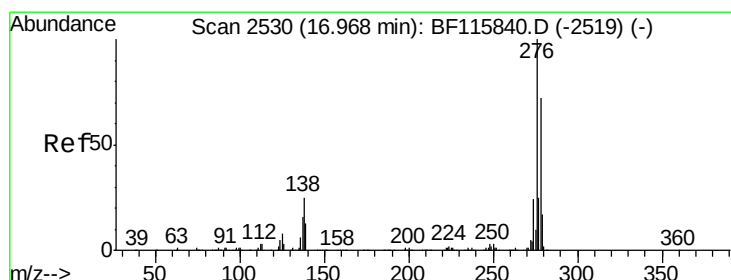
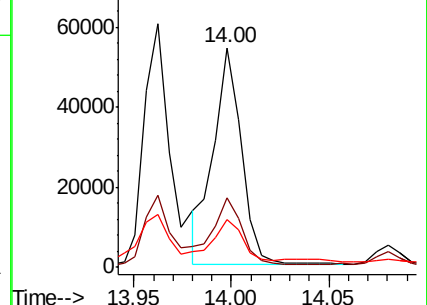
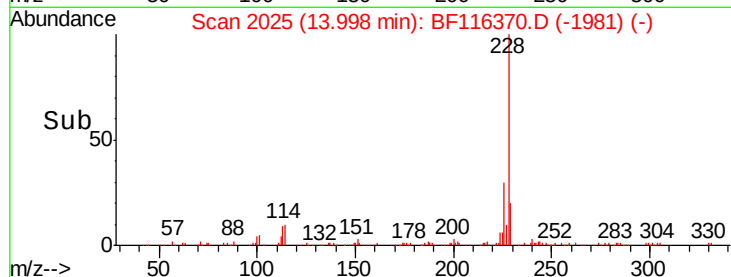
229 22.0 16.6 24.8



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: 2.400 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.04 min

Lab File: BF116370.D

Acq: 17 Aug 2019 21:00

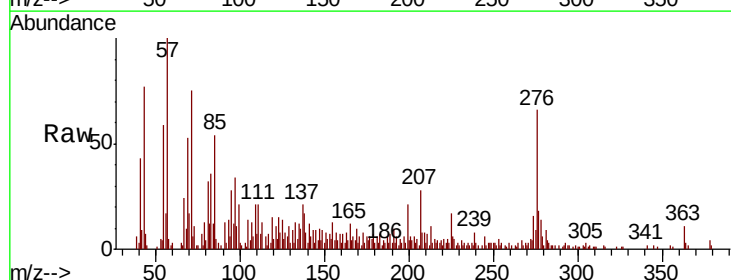
Tgt Ion:276 Resp: 32248

Ion Ratio Lower Upper

276 100

138 22.9 20.4 30.6

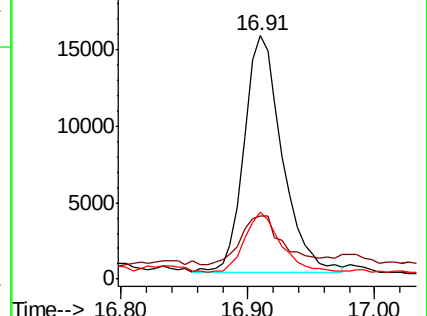
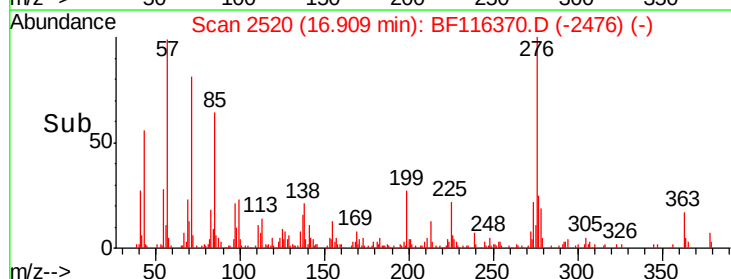
277 24.2 20.0 30.0

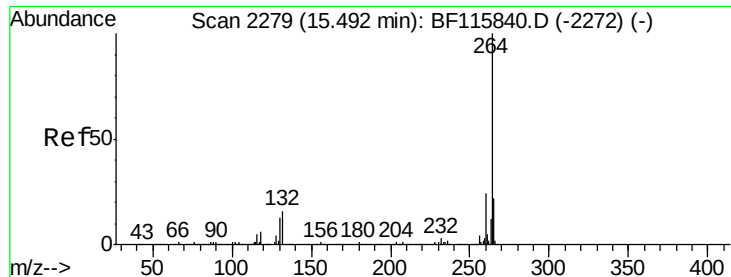


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

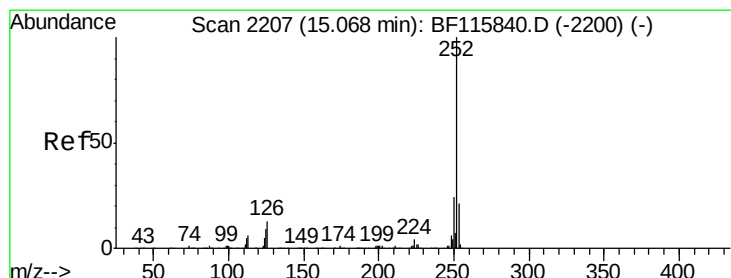
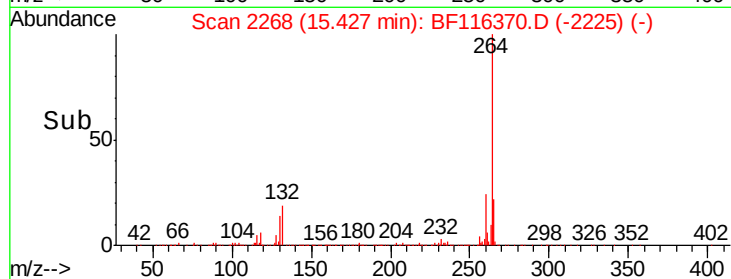
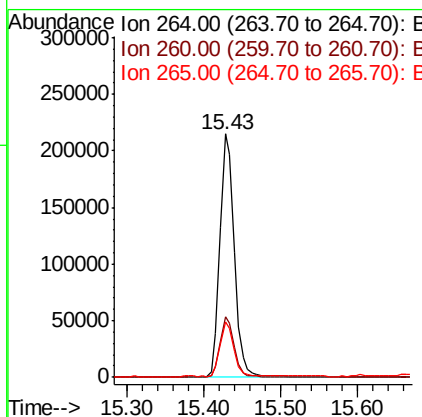
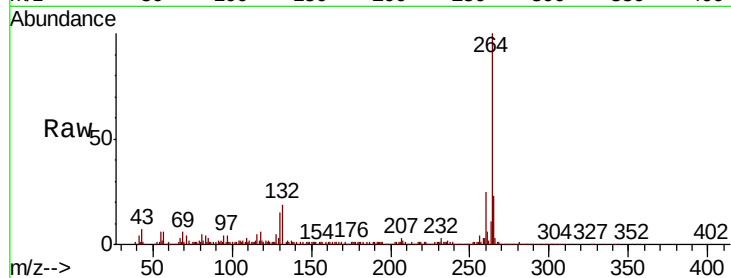




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.05 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

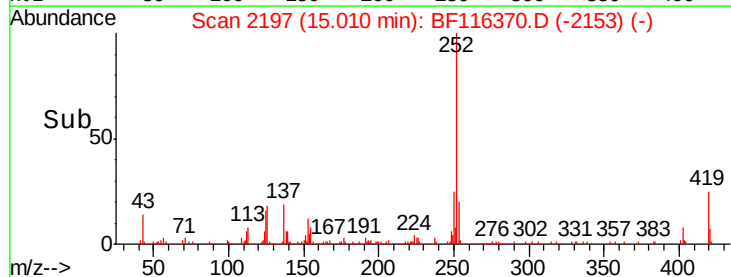
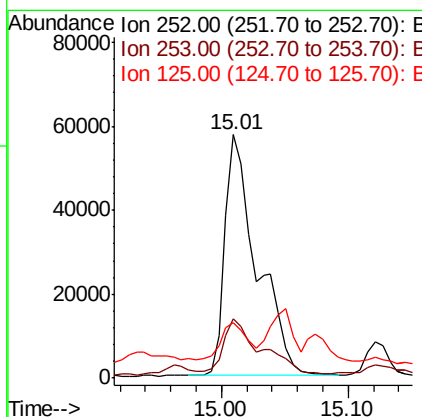
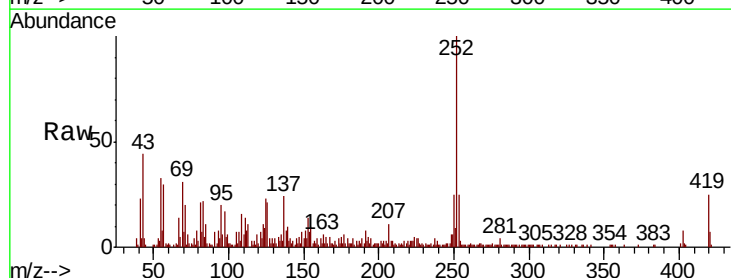
Instrument :
BNA_F
ClientSampleId :

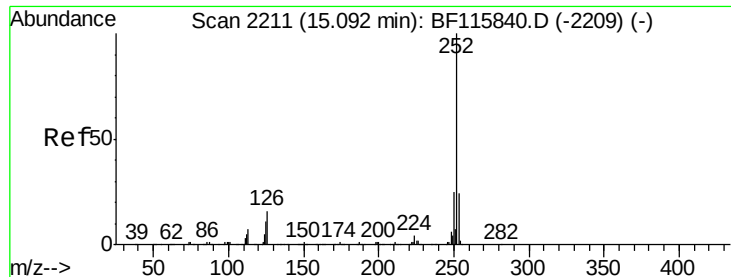
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	22.6	17.4	26.0



#88
Benzo(b)fluoranthene
Concen: 6.390 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	22.9	8.4	12.6#

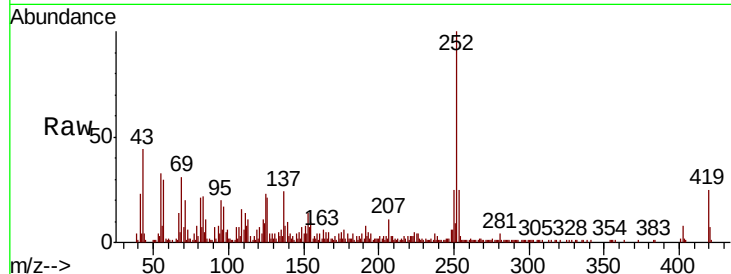




#89
Benzo(k)fluoranthene
Concen: 6.560 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.07 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	22.9	7.7	11.5

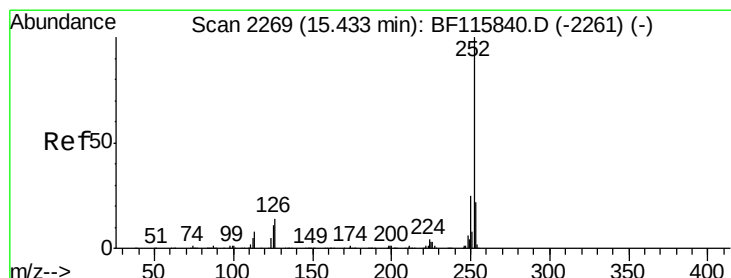
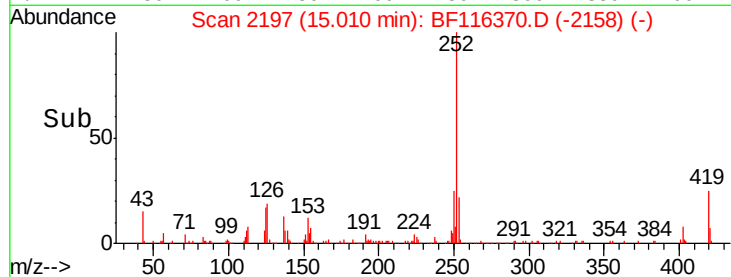
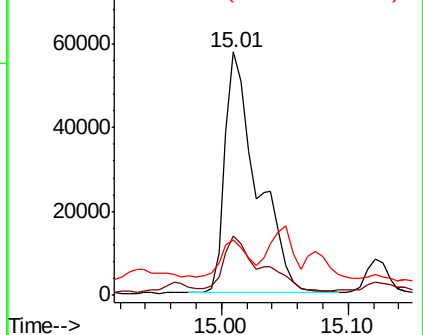


Abundance

Ion 252.00 (251.70 to 252.70): E

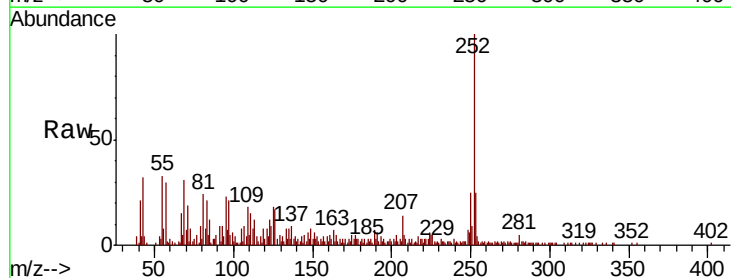
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.535 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.04 min
Lab File: BF116370.D
Acq: 17 Aug 2019 21:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.0	27.0
125	18.1	8.9	13.3

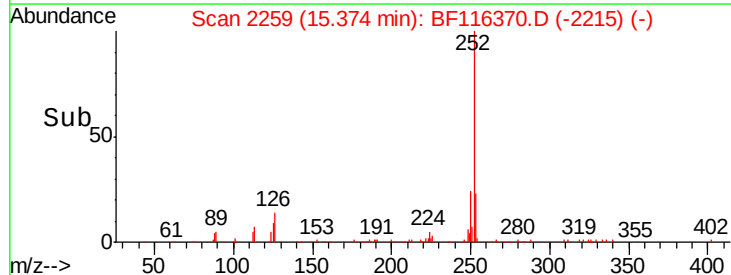
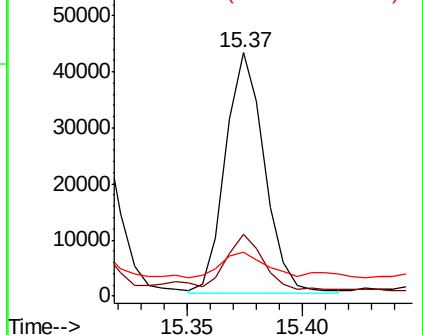


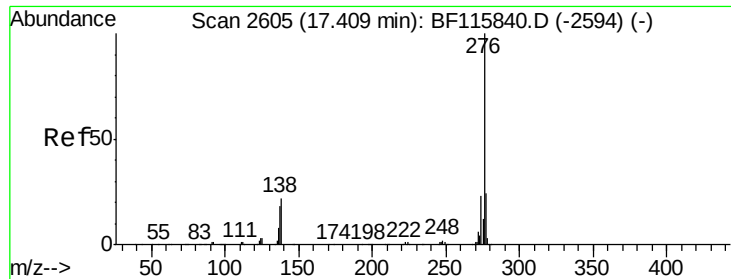
Abundance

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

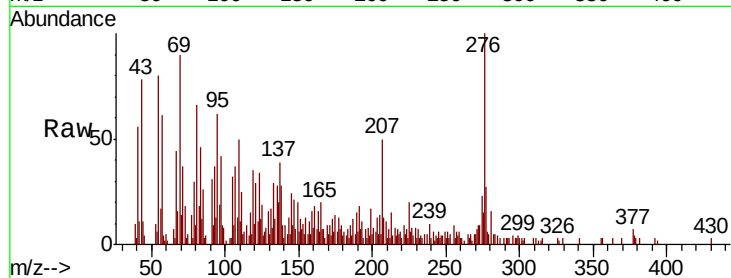




#92
 Benzo(a,h,i)perylene
 Concen: 3.026 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.03 min
 Lab File: BF116370.D
 Acq: 17 Aug 2019 21:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.4	27.6
138	27.9	17.0	25.6



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

