

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116367.D
 Acq On : 17 Aug 2019 19:40
 Operator : HP/JU
 Sample : K4223-19
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 05:55:55 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

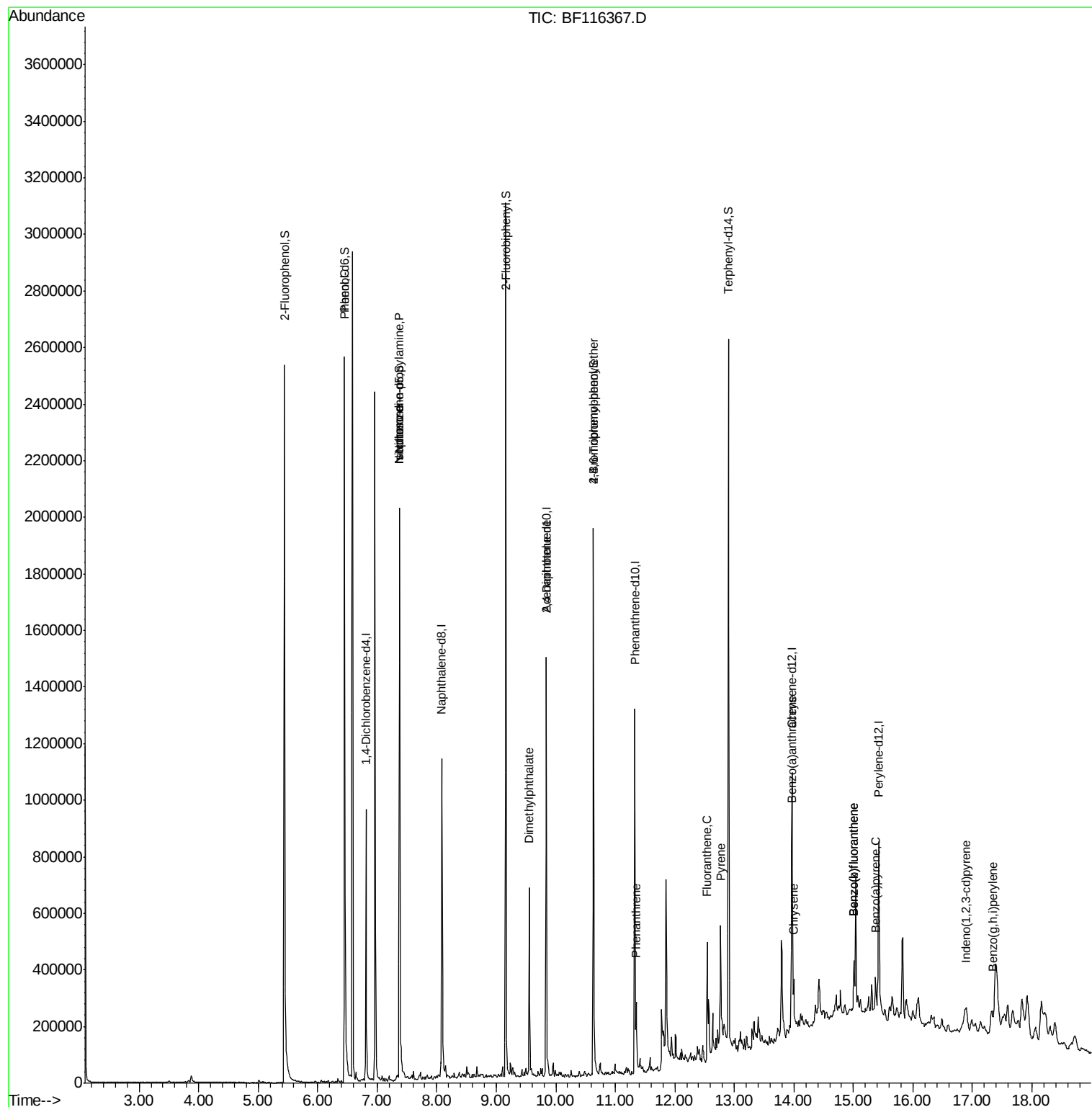
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	143027	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	551565	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	279899	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	438354	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	268188	20.00	ng	-0.04
87) Perylene-d12	15.43	264	299684	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	847114	99.15	ng	-0.03
7) Phenol-d6	6.45	99	1088906	101.02	ng	-0.04
23) Nitrobenzene-d5	7.37	82	686908	71.89	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	258089	95.11	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	988561	66.15	ng	-0.04
79) Terphenyl-d14	12.90	244	793542	62.35	ng	-0.05
Target Compounds						
10) Phenol	6.46	94	27652	2.178	ng	# 82
19) n-Nitroso-di-n-propylamine	7.37	70	91267	13.663	ng	# 78
25) Isophorone	7.37	82	686040	37.547	ng	# 65
50) Dimethylphthalate	9.56	163	253721	13.313	ng	99
57) 2,4-Dinitrotoluene	9.84	165	36771	6.668	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	15543	3.312	ng	# 1
71) Phenanthrene	11.35	178	85758	3.827	ng	98
75) Fluoranthene	12.54	202	173921	7.413	ng	99
78) Pyrene	12.77	202	154614	7.648	ng	99
81) Benzo(a)anthracene	13.96	228	70226	4.097	ng	99
83) Chrysene	14.00	228	69656	4.186	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	39961	2.859	ng	96
88) Benzo(b)fluoranthene	15.01	252	119545	6.899	ng	# 93
89) Benzo(k)fluoranthene	15.01	252	119545	7.083	ng	# 92
90) Benzo(a)pyrene	15.37	252	62918	4.062	ng	# 96
92) Benzo(g,h,i)perylene	17.34	276	37344	2.836	ng	# 88

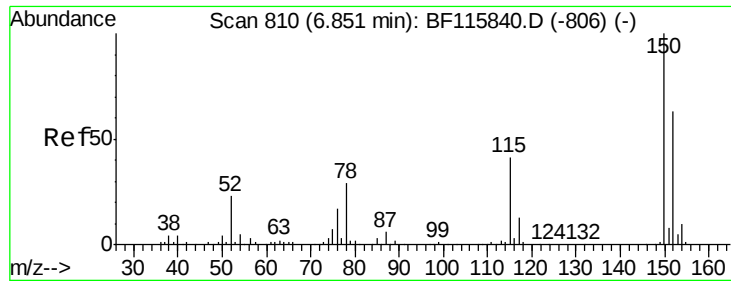
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF116367.D

Acq: 17 Aug 2019 19:40

Instrument :

BNA_F

ClientSampleId :

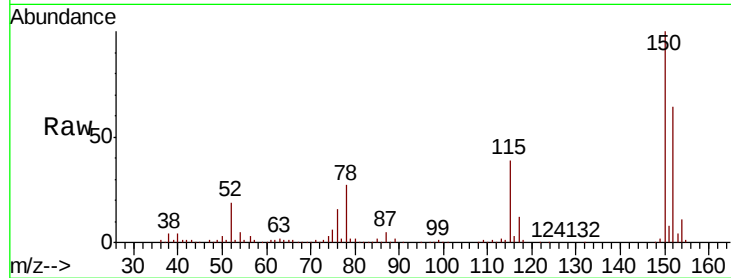
Tot Ion:152 Resp: 143027

Ion Ratio Lower Upper

152 100

150 157.3 126.2 189.2

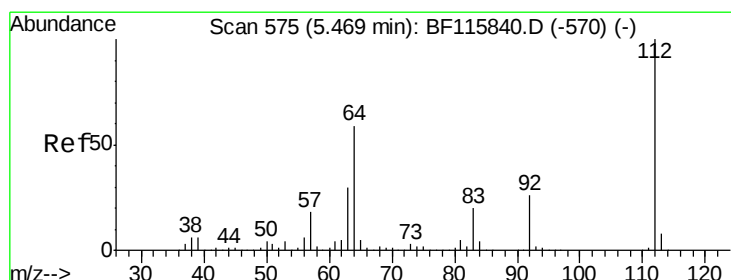
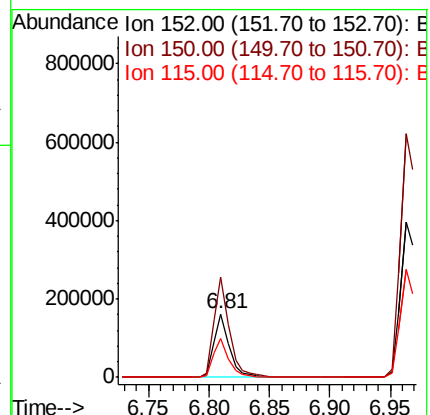
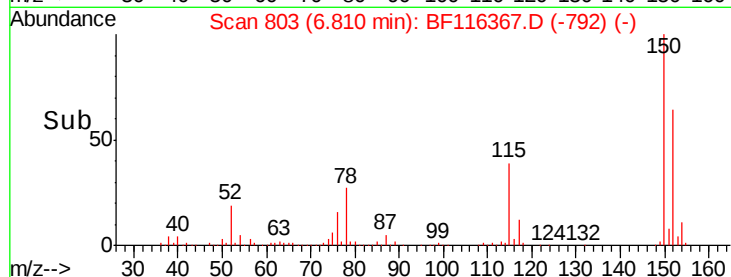
115 61.4 49.9 74.9



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: 99.151 ng

RT: 5.44 min Scan# 570

Delta R.T. -0.03 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

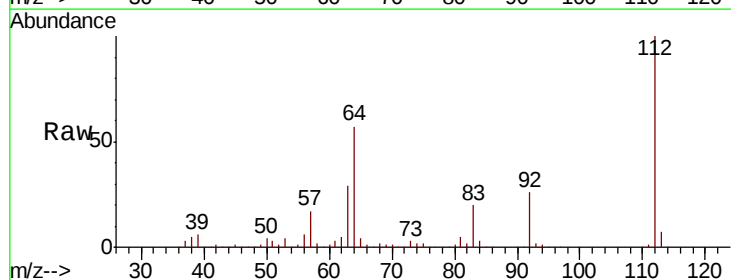
Tgt Ion:112 Resp: 847114

Ion Ratio Lower Upper

112 100

64 56.9 45.4 68.2

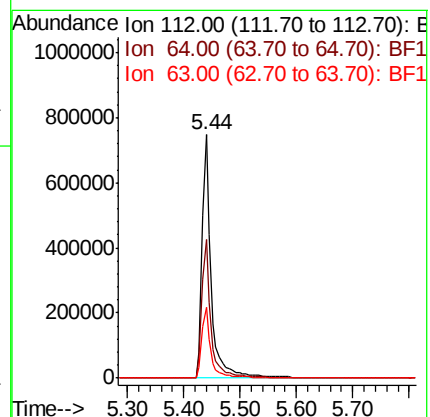
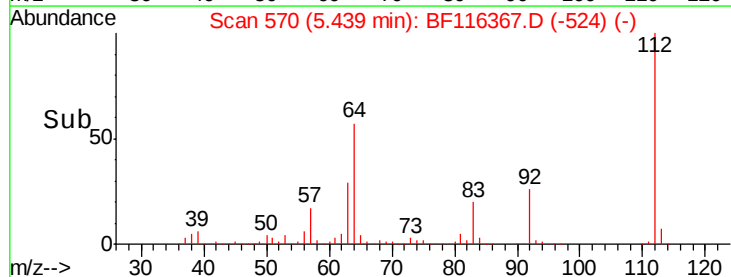
63 29.3 23.7 35.5

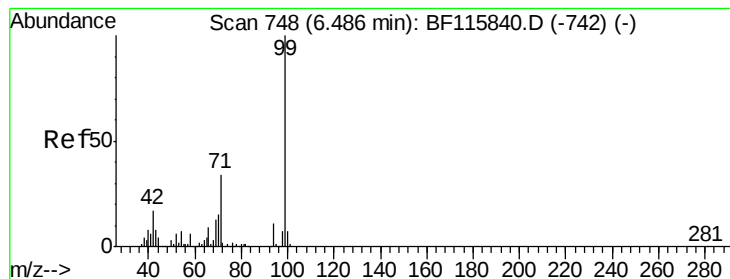


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.017 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.04 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

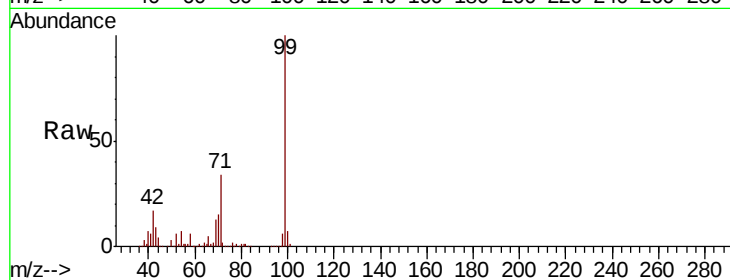
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1088906

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.8	20.8
71	33.9	27.3	40.9

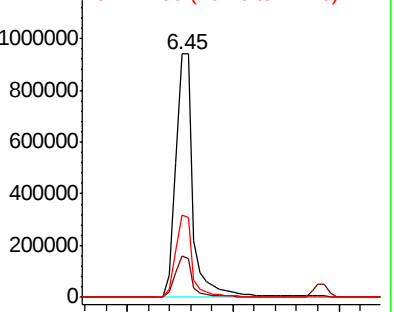


Abundance

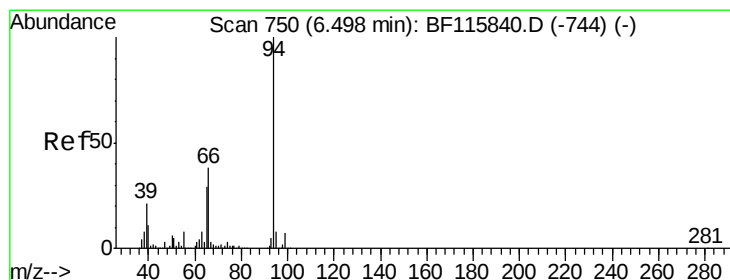
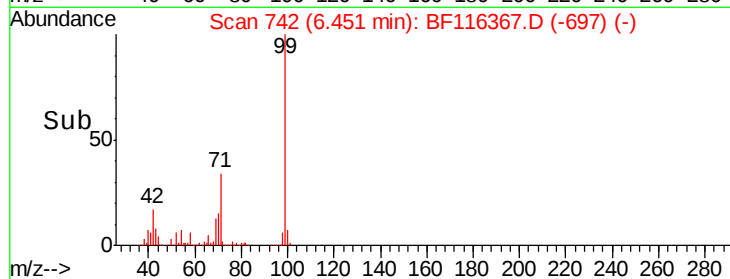
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 2.178 ng

RT: 6.46 min Scan# 744

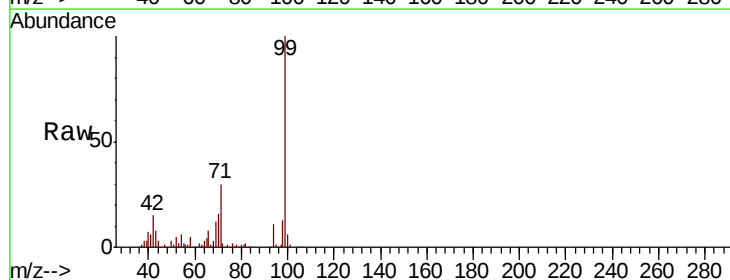
Delta R.T. -0.04 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

Tgt Ion: 94 Resp: 27652

Ion	Ratio	Lower	Upper
94	100		
65	38.2	16.8	56.8
66	75.1	34.2	74.2

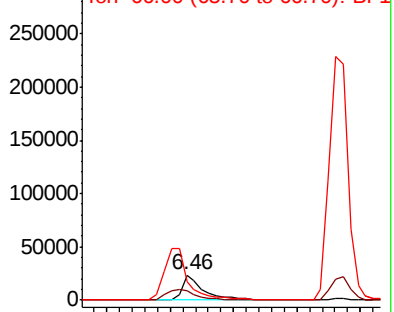


Abundance

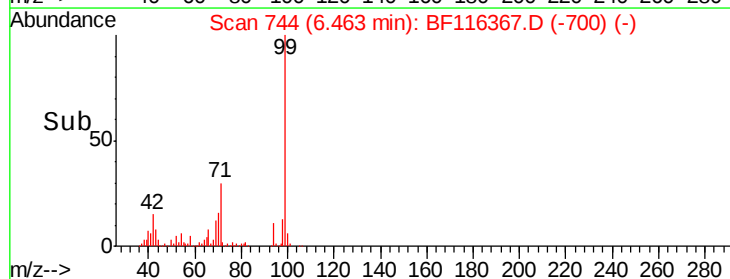
Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



Time-->

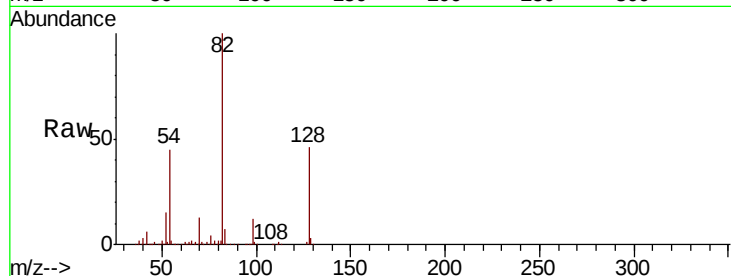




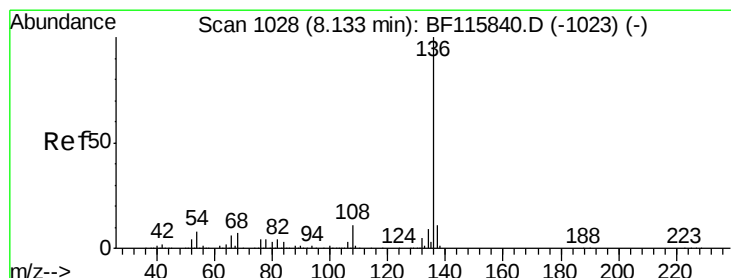
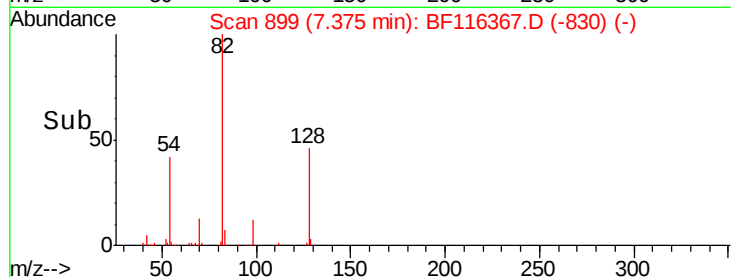
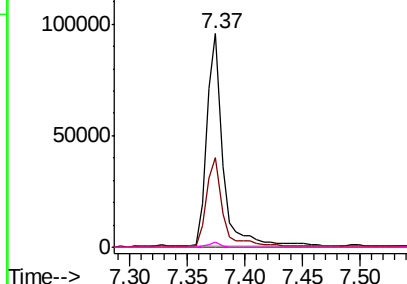
#19
n-Nitroso-di-n-propylamine
Concen: 13.663 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.11 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	70	Resp:	91267
Ion	Ratio	Lower	Upper
70	100		
42	42.1	40.9	61.3
101	0.0	7.9	11.9#
130	2.4	16.9	25.3#



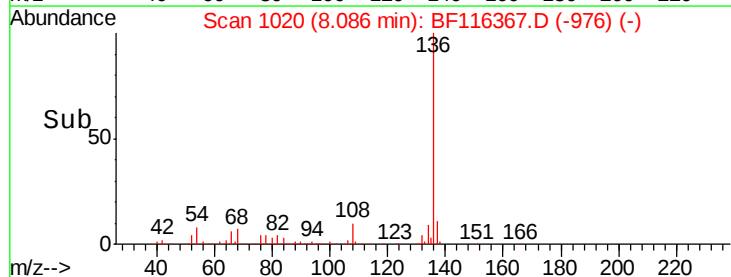
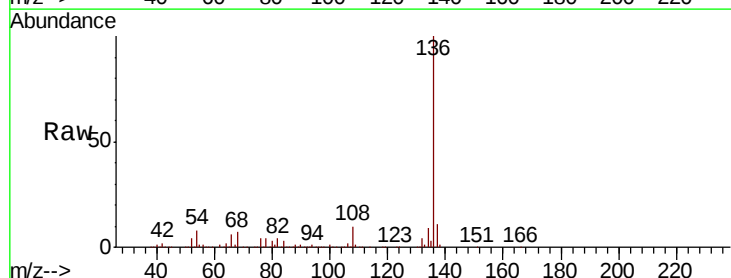
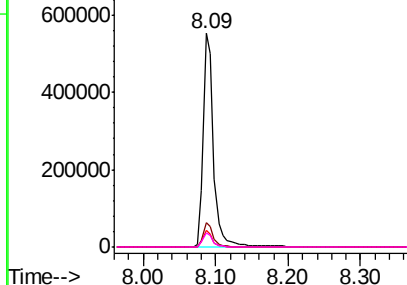
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

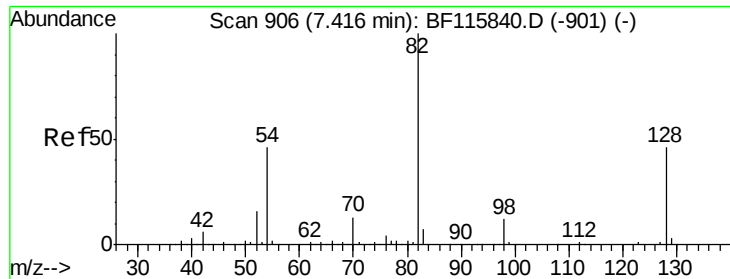


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion:	136	Resp:	551565
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	7.7	5.8	8.6
68	6.8	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

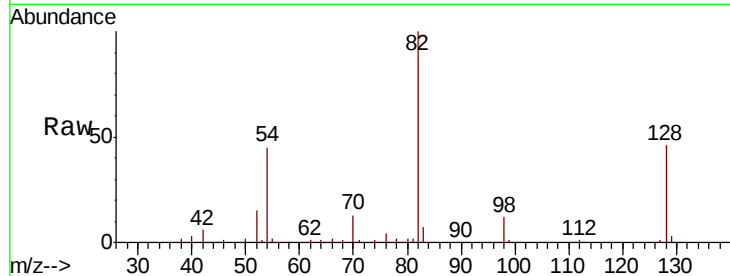




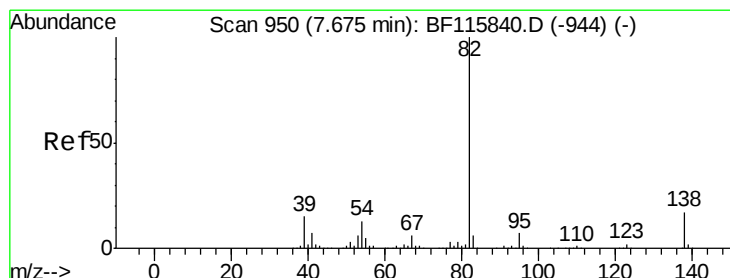
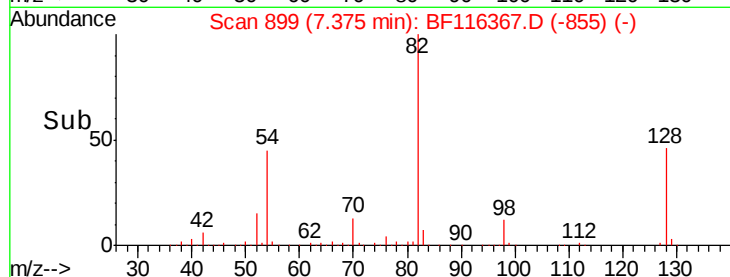
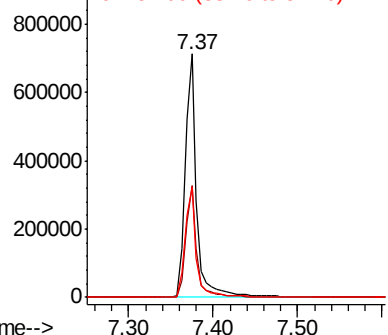
#23
Nitrobenzene-d5
Concen: 71.887 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.04 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	686908
Ion Ratio	Lower	Upper	
82	100		
128	46.1	36.5	54.7
54	45.3	36.0	54.0

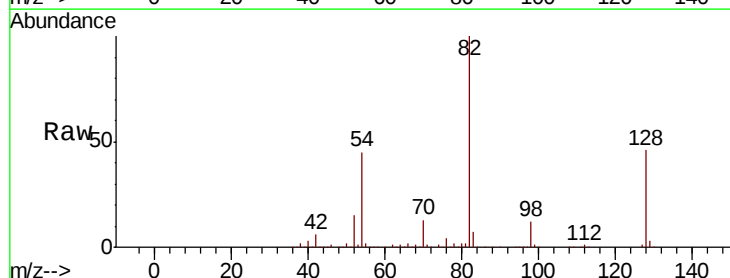


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

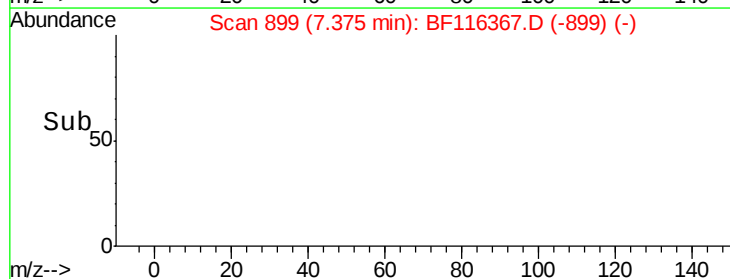
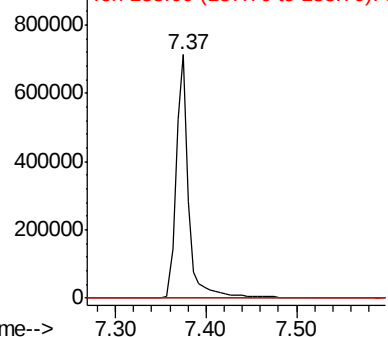


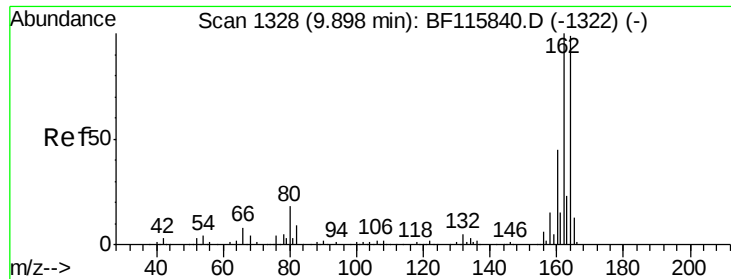
#25
Isophorone
Concen: 37.547 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.30 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion	82	Resp	686040
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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

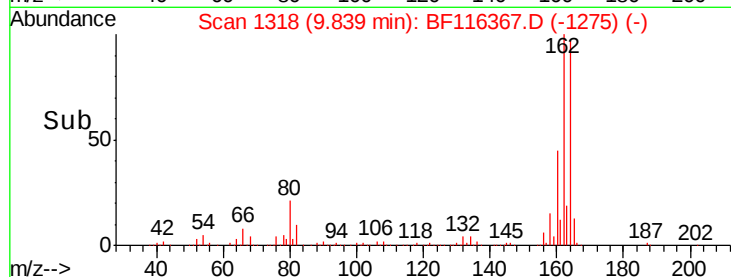
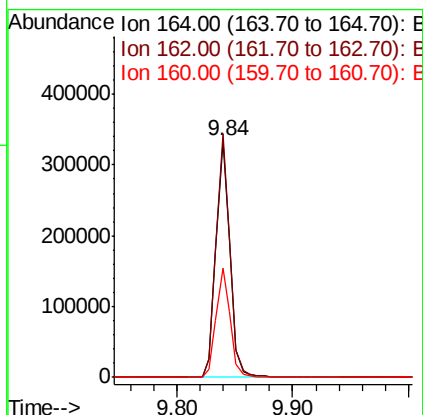
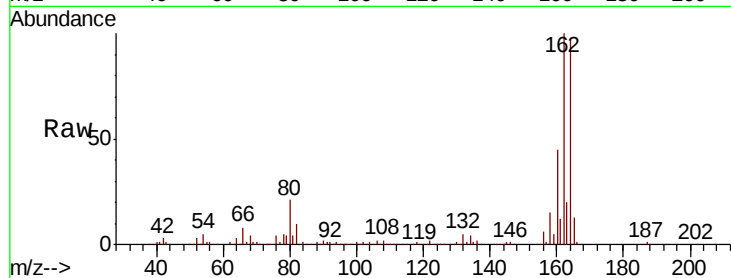




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.05 min
 Lab File: BF116367.D
 Acq: 17 Aug 2019 19:40

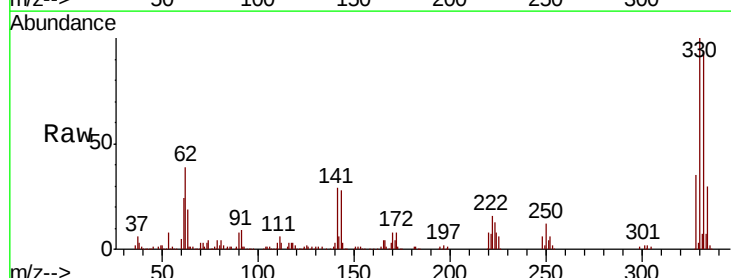
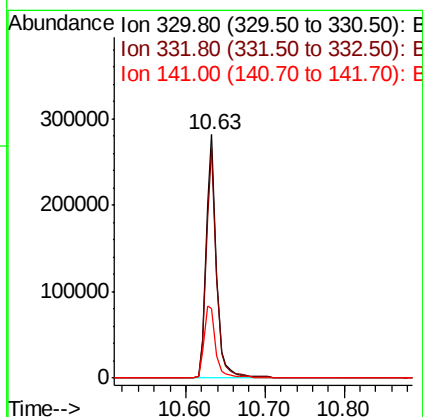
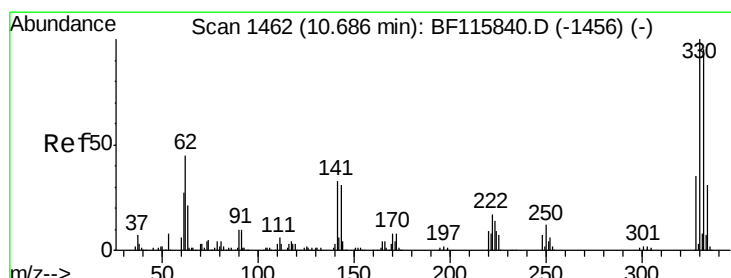
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 279899
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.6 124.0
 160 46.4 37.6 56.4



#42
 2,4,6-Tribromophenol
 Concen: 95.106 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.04 min
 Lab File: BF116367.D
 Acq: 17 Aug 2019 19:40

Tgt Ion:330 Resp: 258089
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.8 115.2
 141 34.0 26.3 39.5

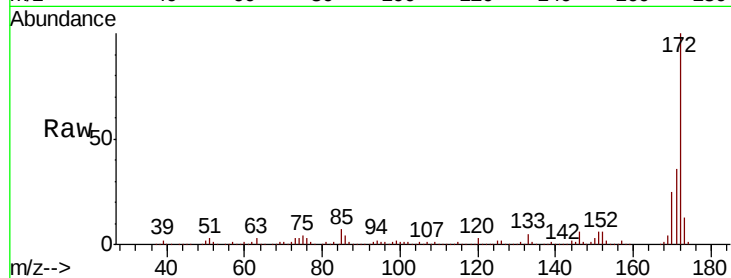




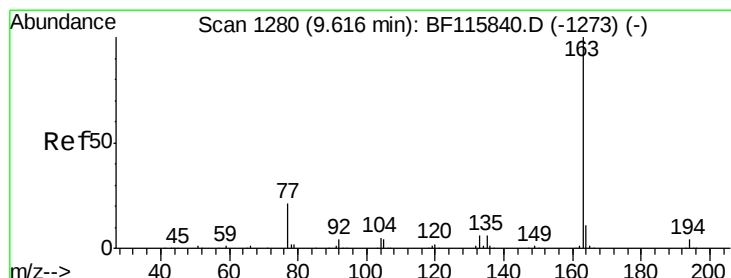
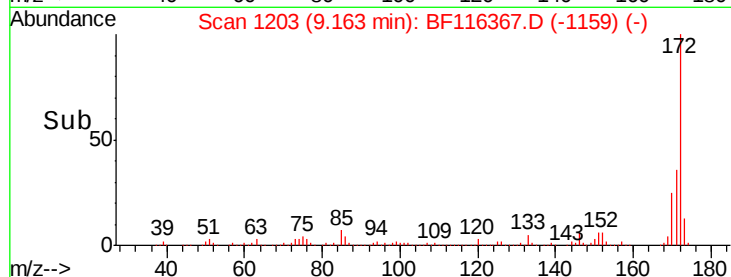
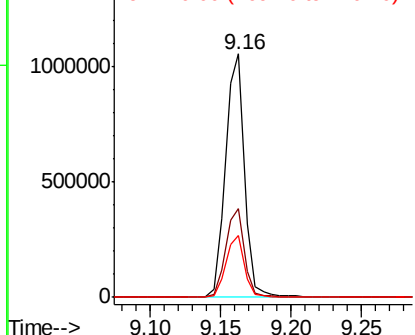
#45
2-Fluorobiphenyl
Concen: 66.154 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.04 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	25.3	20.1	30.1

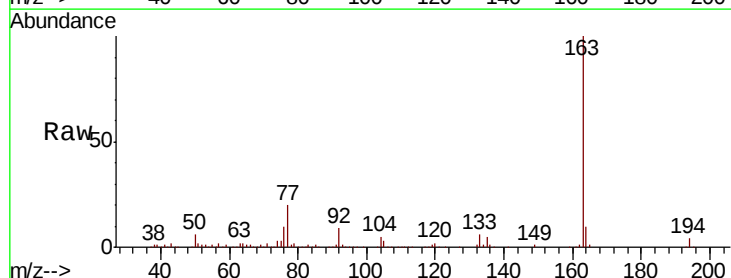


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

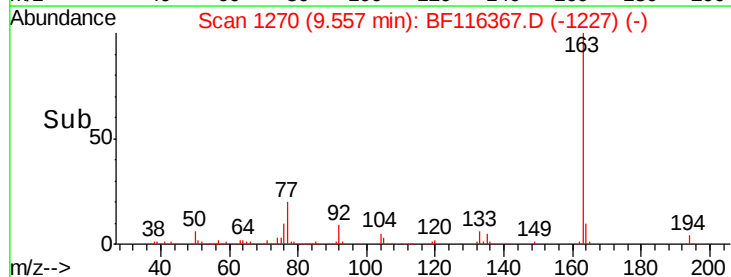
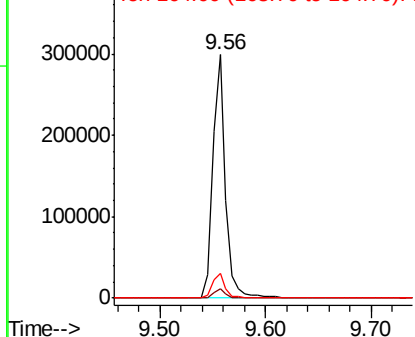


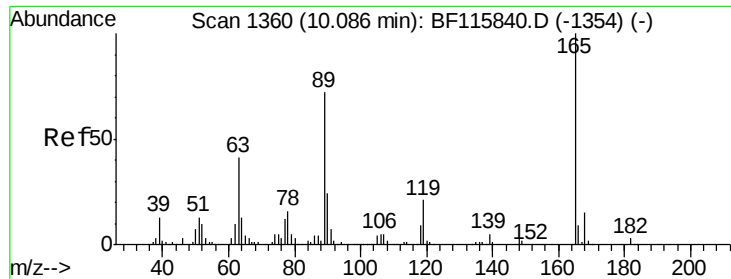
#50
Dimethylphthalate
Concen: 13.313 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	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

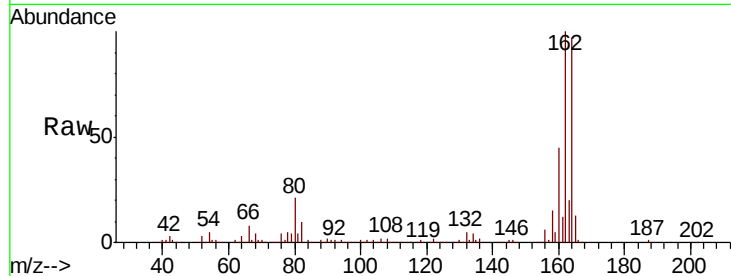




#57
 2,4-Dinitrotoluene
 Concen: 6.668 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.24 min
 Lab File: BF116367.D
 Acq: 17 Aug 2019 19:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	39.6	59.4#
89	1.6	62.2	93.2#
182	0.0	2.1	3.1#

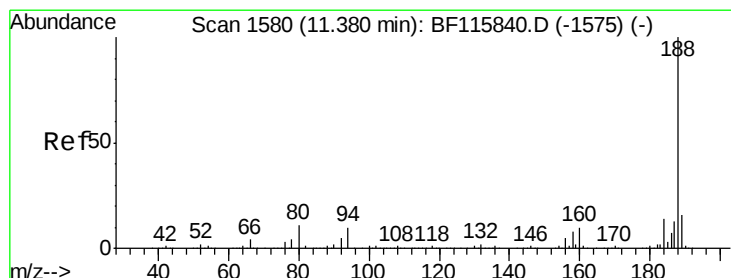
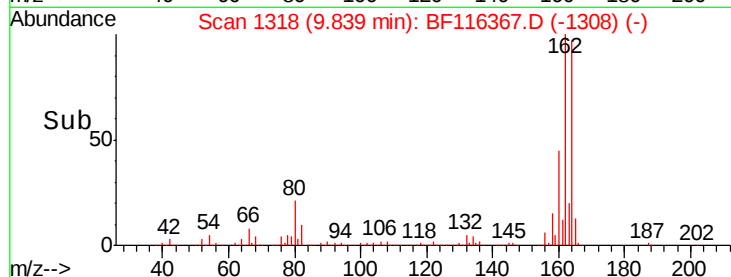
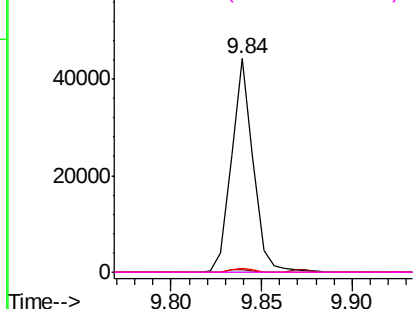


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

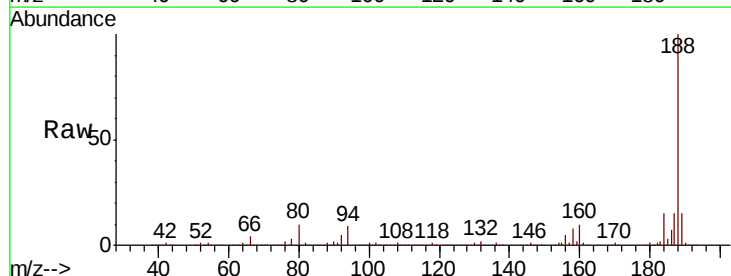
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.04 min
 Lab File: BF116367.D
 Acq: 17 Aug 2019 19:40

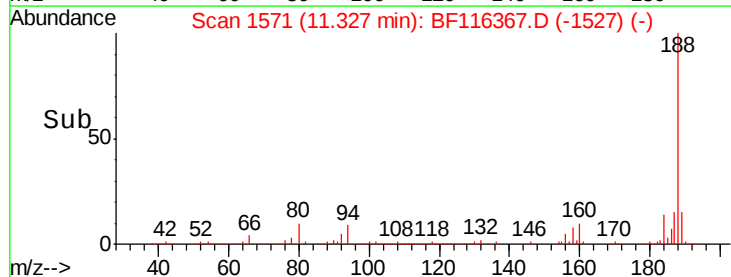
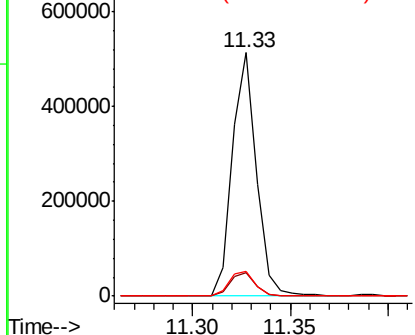
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.1	12.1
80	10.4	8.7	13.1

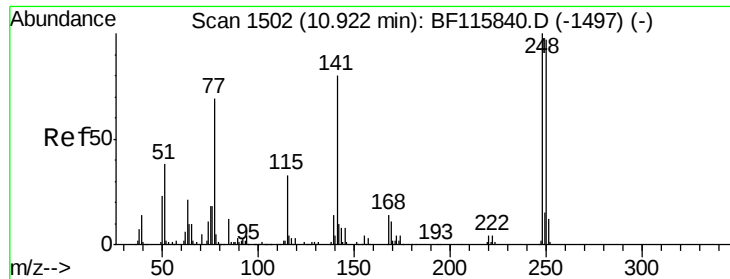


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

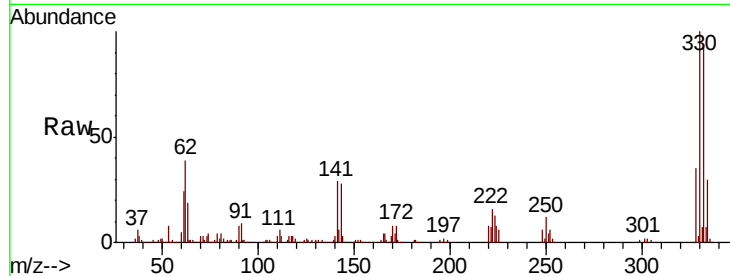




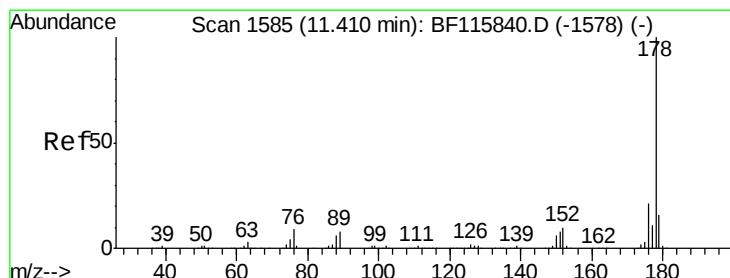
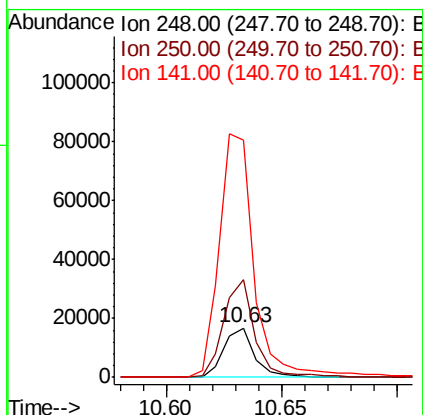
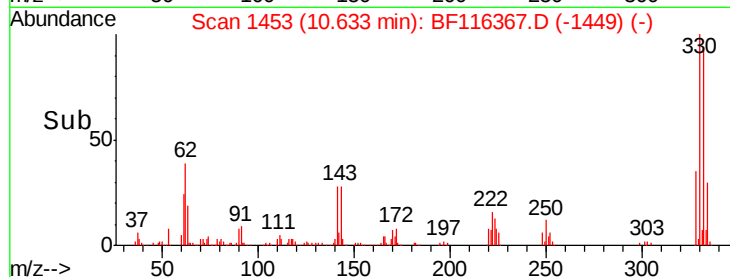
#67
4-Bromophenyl-phenylether
Concen: 3.312 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.28 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15543
Ion Ratio Lower Upper
248 100
250 198.4 77.4 116.2#
141 480.9 56.8 85.2#

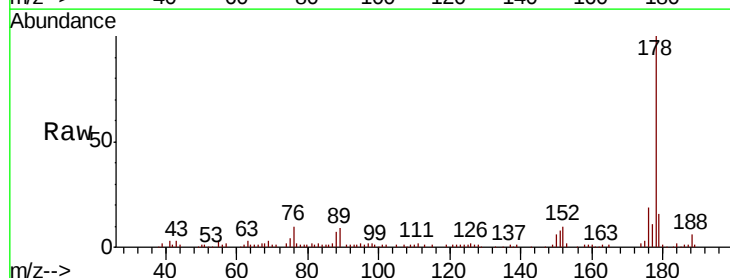


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

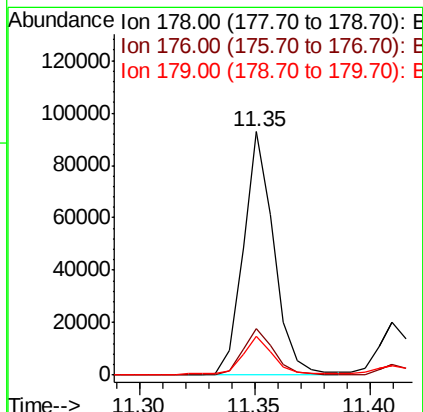
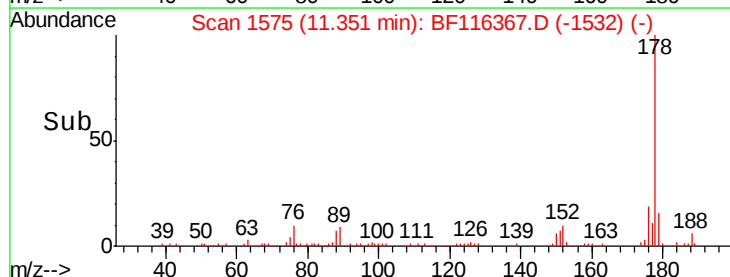


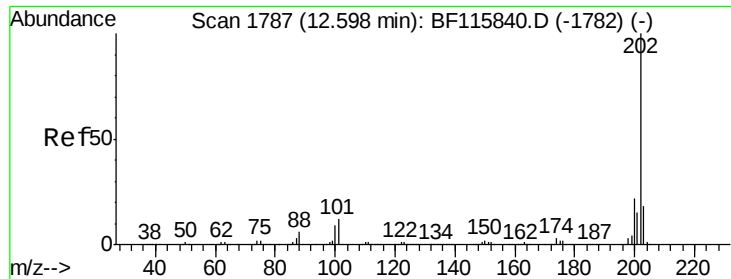
#71
Phenanthrene
Concen: 3.827 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion:178 Resp: 85758
Ion Ratio Lower Upper
178 100
176 19.2 16.6 24.8
179 16.0 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: 7.413 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.04 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

Instrument :

BNA_F

ClientSampleId :

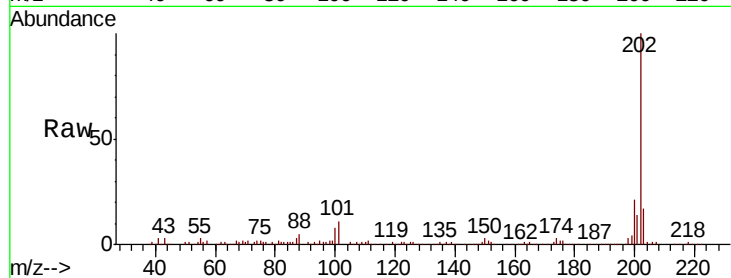
Tot Ion:202 Resp: 173921

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.2

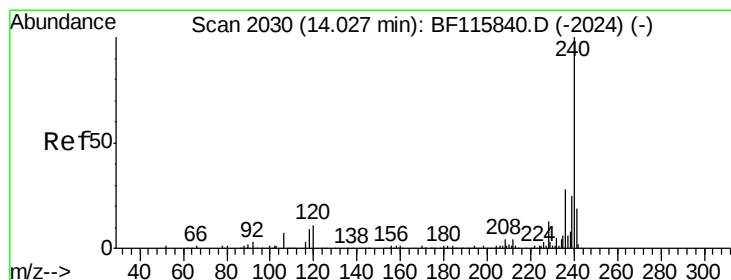
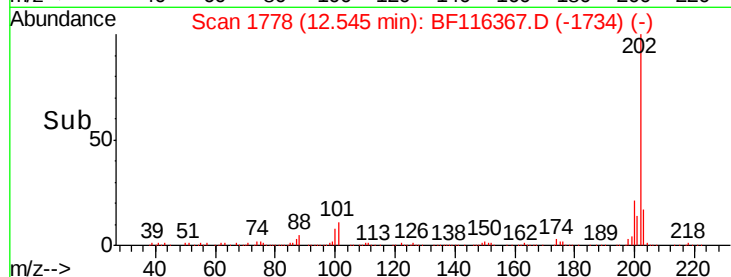
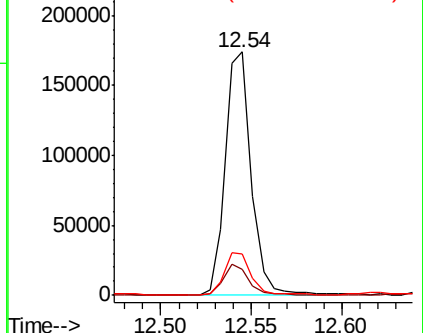
203 17.2 0.0 37.8



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# 2020

Delta R.T. -0.04 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

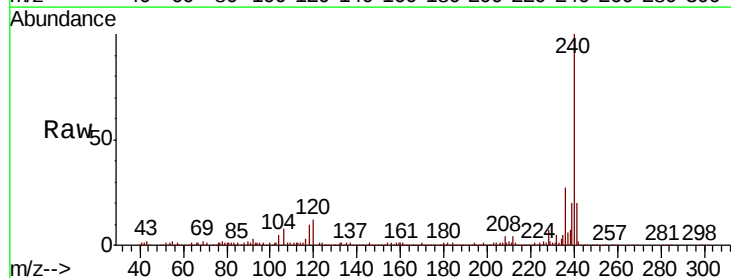
Tgt Ion:240 Resp: 268188

Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

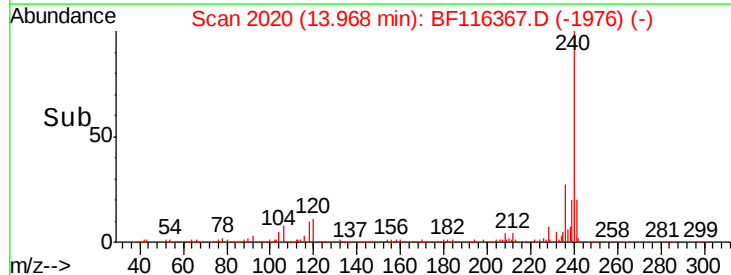
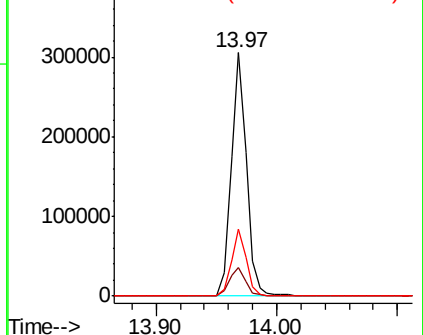
236 27.4 22.2 33.2

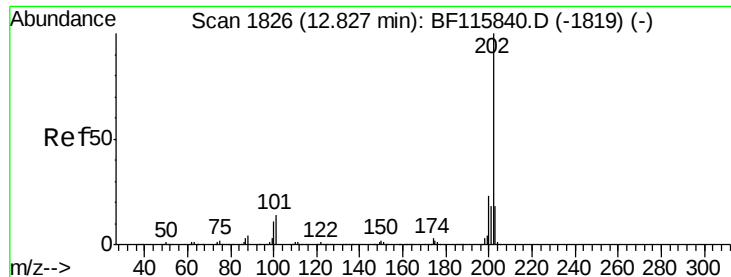


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.648 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.05 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

Instrument :

BNA_F

ClientSampled :

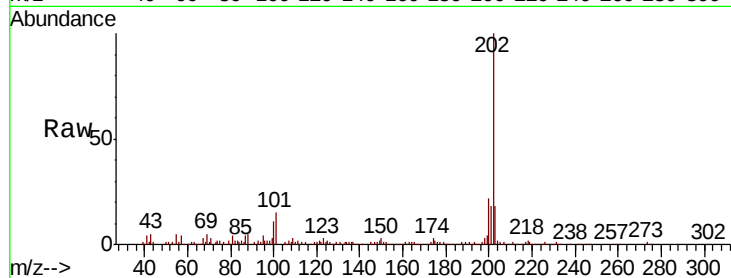
Tot Ion:202 Resp: 154614

Ion Ratio Lower Upper

202 100

200 22.1 18.0 27.0

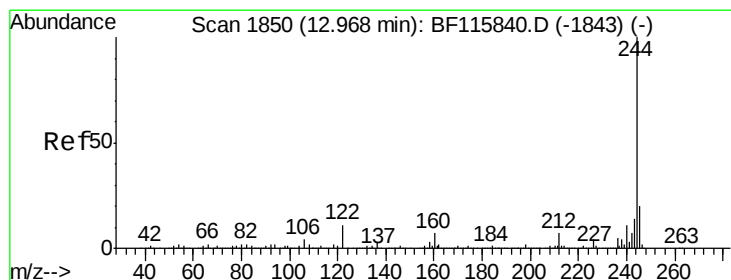
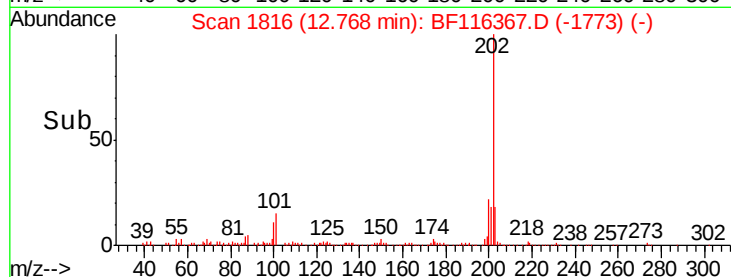
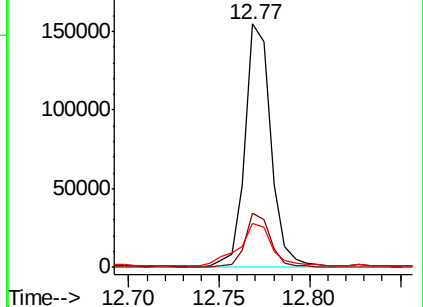
203 18.0 14.1 21.1



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: 62.349 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.05 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

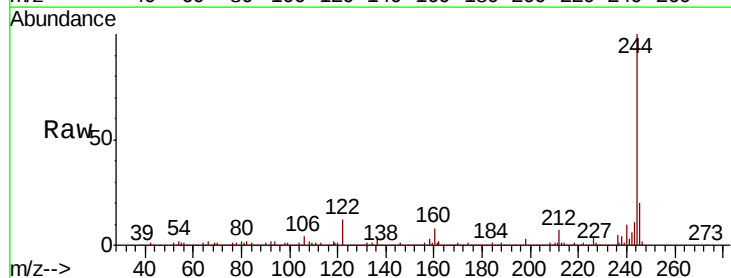
Tgt Ion:244 Resp: 793542

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.8

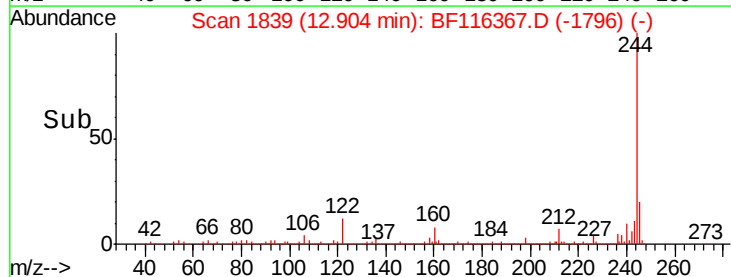
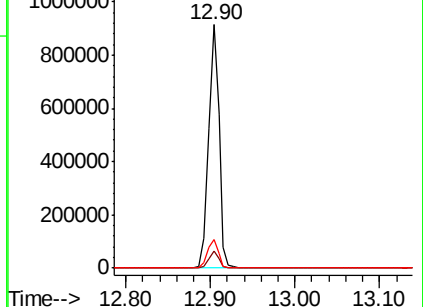
122 11.9 9.0 13.4

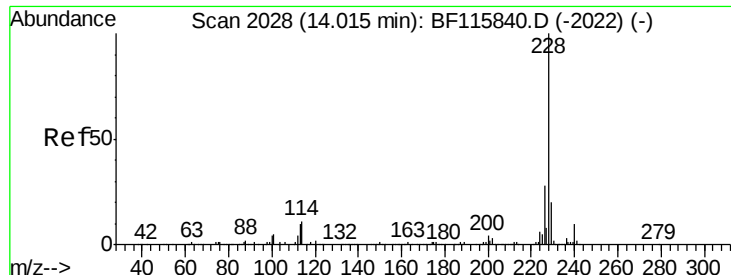


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

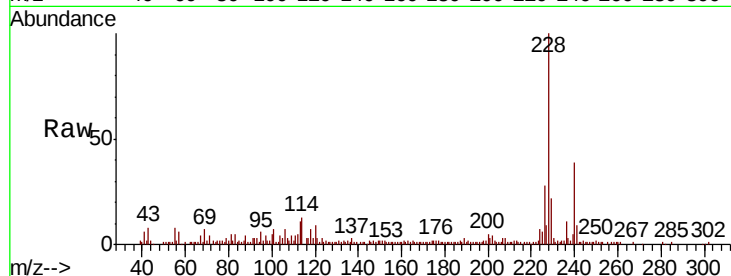




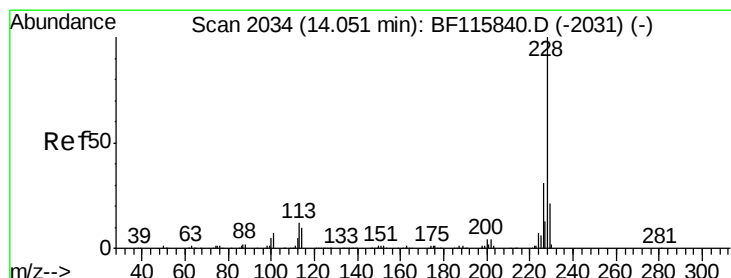
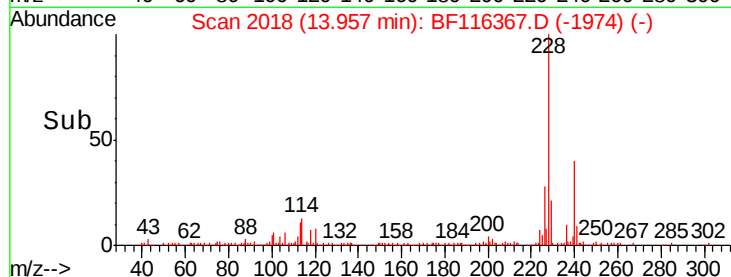
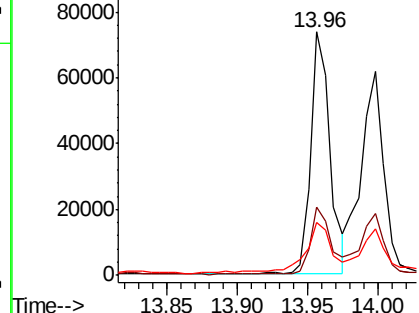
#81
Benzo(a)anthracene
Concen: 4.097 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.04 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 70226
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 21.6 16.2 24.4

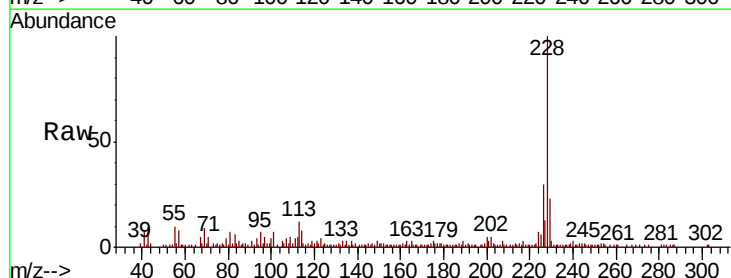


Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0

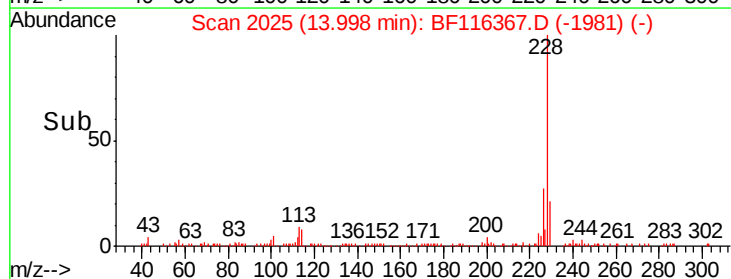
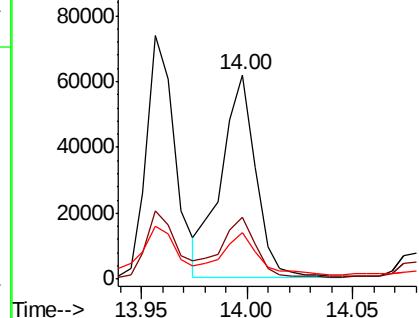


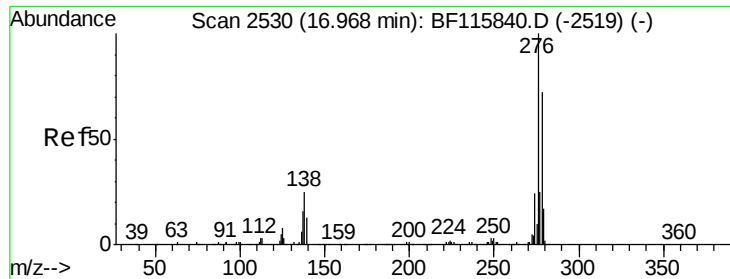
#83
Chrysene
Concen: 4.186 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.04 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion:228 Resp: 69656
Ion Ratio Lower Upper
228 100
226 30.2 25.5 38.3
229 22.5 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E
100000 Ion 226.00 (225.70 to 226.70): E
80000 Ion 229.00 (228.70 to 229.70): E
60000
40000
20000
0

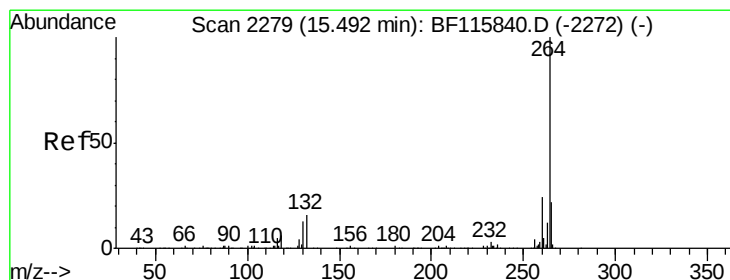
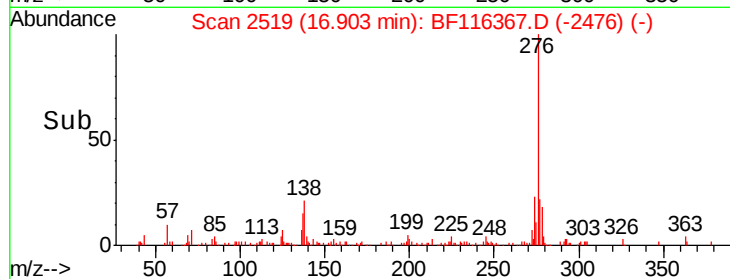
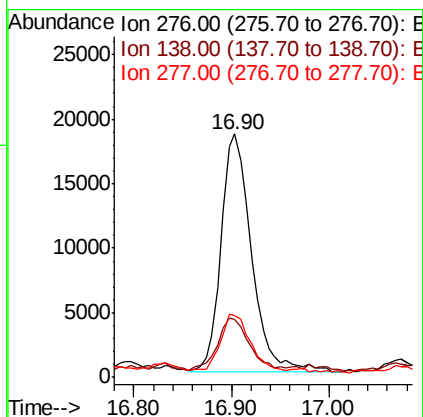
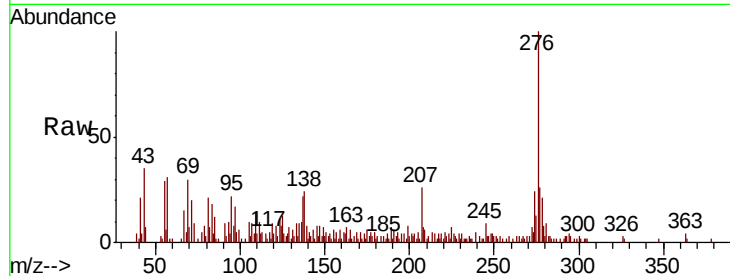




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.859 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.05 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

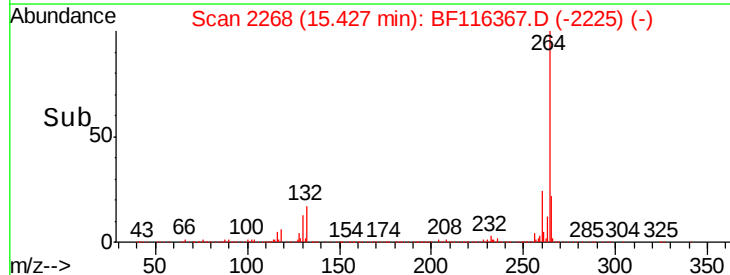
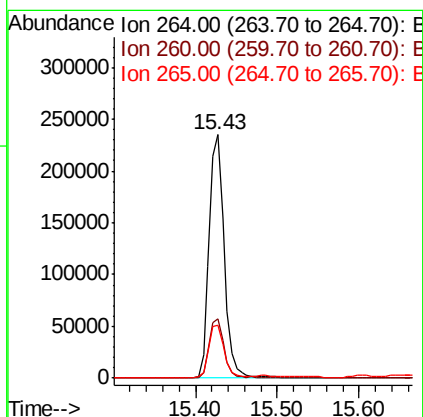
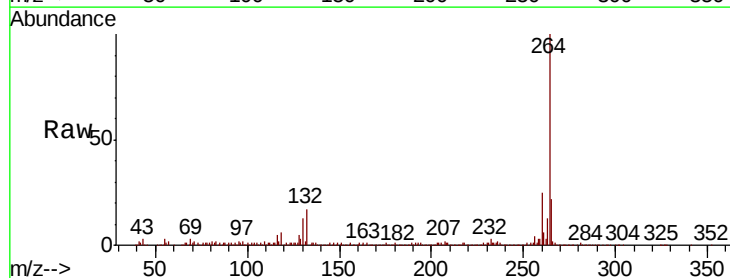
Instrument :
BNA_F
ClientSampleId :

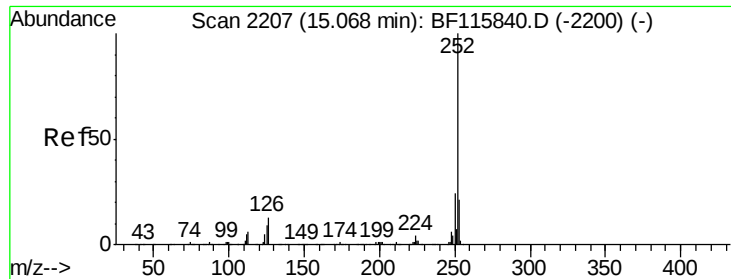
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.4	30.6
277	22.5	20.0	30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.05 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	21.8	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 6.899 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF116367.D

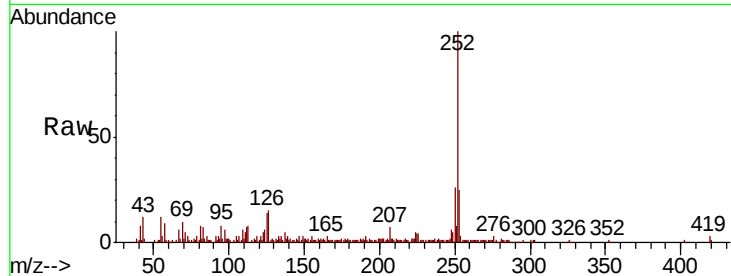
Acq: 17 Aug 2019 19:40

Instrument :

BNA_F

ClientSampleId :

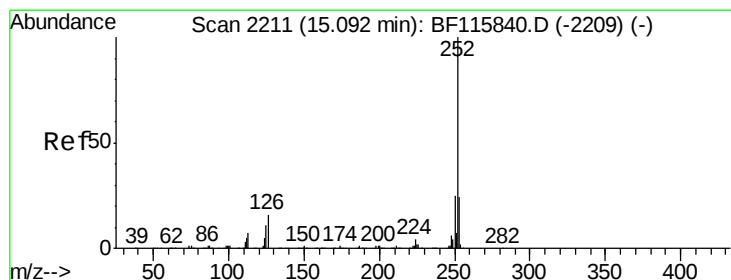
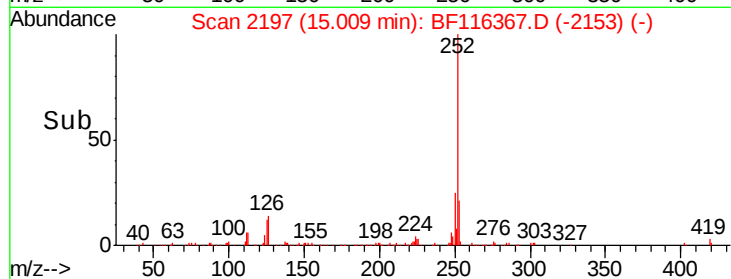
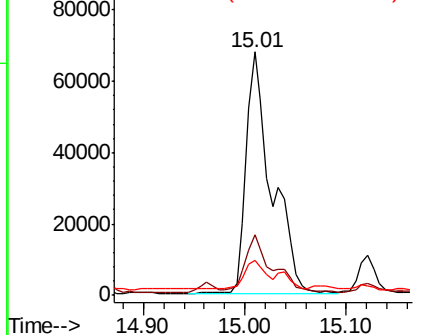
Tot Ion:252	Resp:	119545
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.8 26.8
125	14.5	8.4 12.6#



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: 7.083 ng

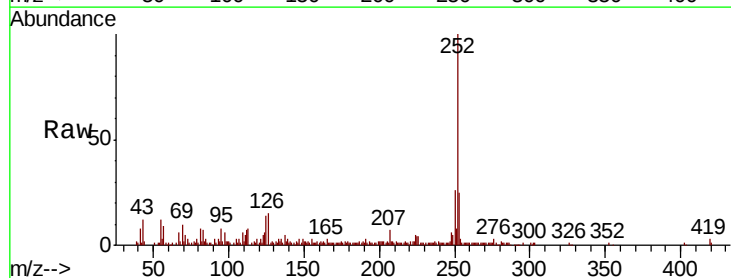
RT: 15.01 min Scan# 2197

Delta R.T. -0.07 min

Lab File: BF116367.D

Acq: 17 Aug 2019 19:40

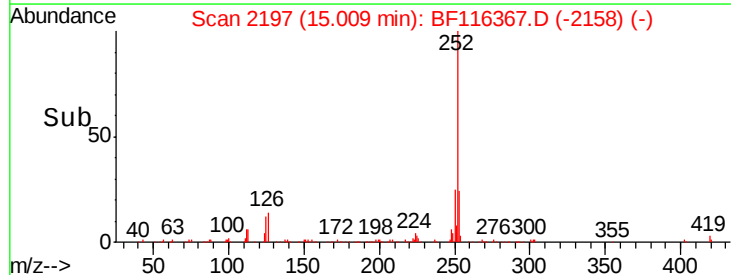
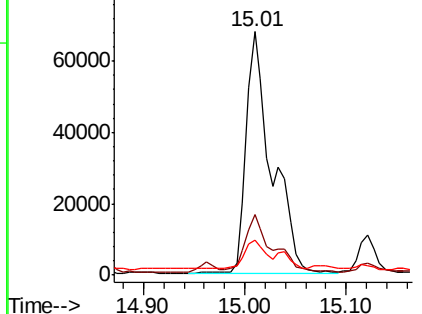
Tgt Ion:252	Resp:	119545
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.8 26.8
125	14.5	7.7 11.5#

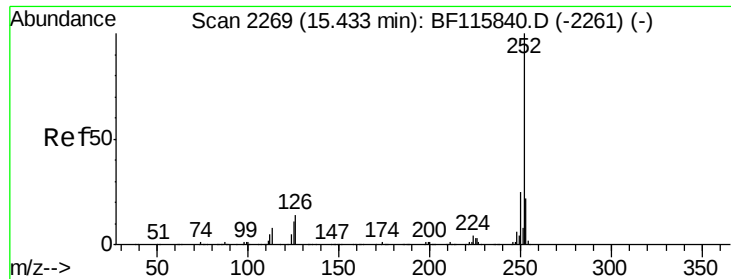


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

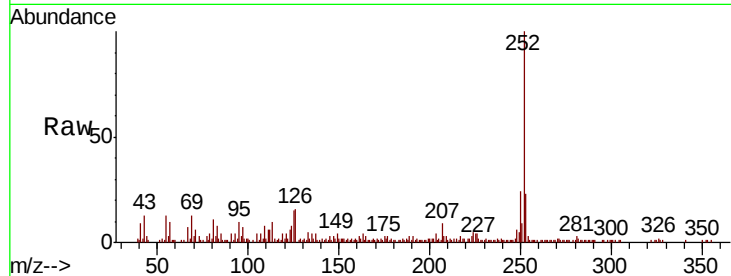




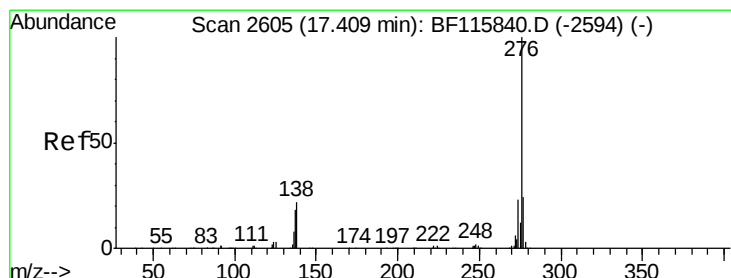
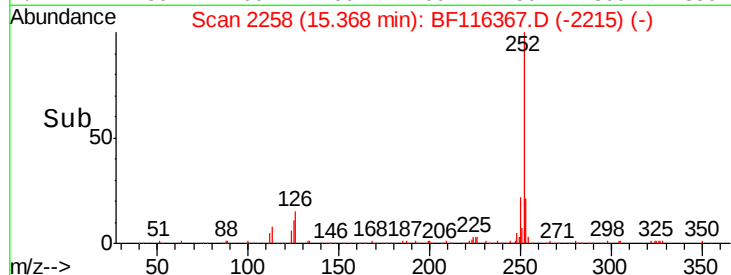
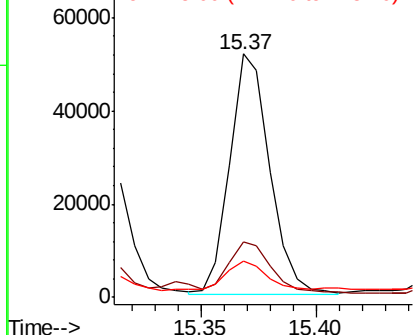
#90
Benzo(a)pyrene
Concen: 4.062 ng
RT: 15.37 min Scan# 2258
Delta R.T. -0.05 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	15.0	8.9	13.3#

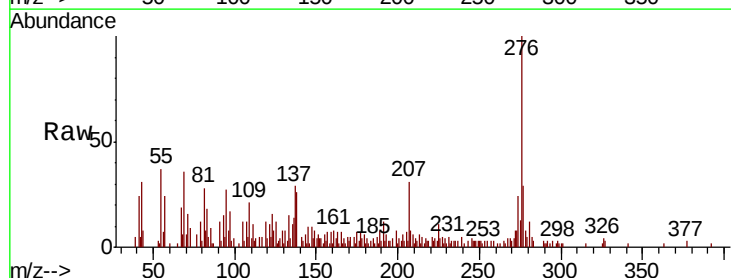


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.836 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.04 min
Lab File: BF116367.D
Acq: 17 Aug 2019 19:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.5	18.4	27.6#
138	25.8	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

