

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116759.D
 Acq On : 1 Sep 2019 22:46
 Operator : HP/JU
 Sample : K4583-01RE 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:28:41 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	97280	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	424716	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	235069	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	402127	20.00	ng	0.00
76) Chrysene-d12	13.99	240	271835	20.00	ng	0.00
87) Perylene-d12	15.44	264	251871	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	226487	37.72	ng	0.00
7) Phenol-d6	6.47	99	310861	39.43	ng	-0.01
23) Nitrobenzene-d5	7.40	82	172256	23.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	59901	38.12	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	359074	25.77	ng	-0.01
79) Terphenyl-d14	12.94	244	370887	25.24	ng	-0.01

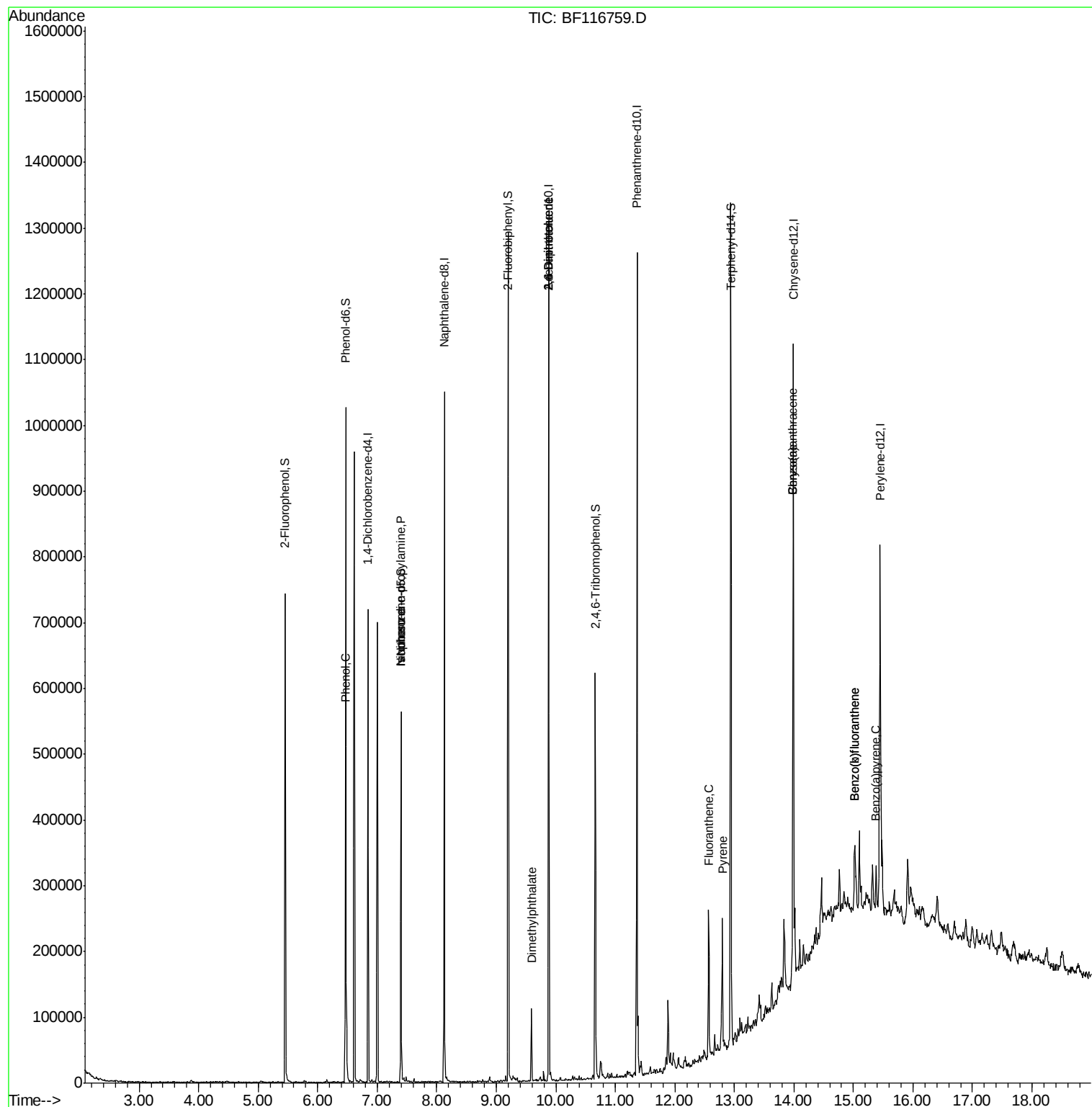
Target Compounds				Qvalue		
10) Phenol	6.48	94	17853	2.045	ng	97
19) n-Nitroso-di-n-propylamine	7.40	70	22722	4.377	ng	# 72
25) Isophorone	7.40	82	172254	11.426	ng	# 66
50) Dimethylphthalate	9.59	163	41158	2.536	ng	98
51) 2,6-Dinitrotoluene	9.88	165	30516	9.855	ng	# 21
57) 2,4-Dinitrotoluene	9.88	165	30516	8.060	ng	# 21
75) Fluoranthene	12.57	202	81557	3.707	ng	97
78) Pyrene	12.80	202	73653	3.048	ng	99
81) Benzo(a)anthracene	13.98	228	39655	2.305	ng	96
83) Chrysene	13.98	228	39655	2.237	ng	99
88) Benzo(b)fluoranthene	15.02	252	68413	4.493	ng	# 90
89) Benzo(k)fluoranthene	15.02	252	68413	4.927	ng	# 91
90) Benzo(a)pyrene	15.38	252	30377	2.293	ng	# 87

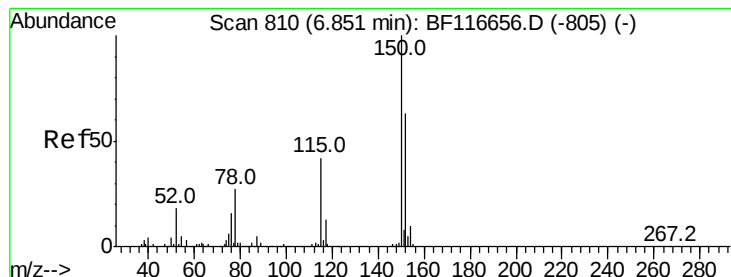
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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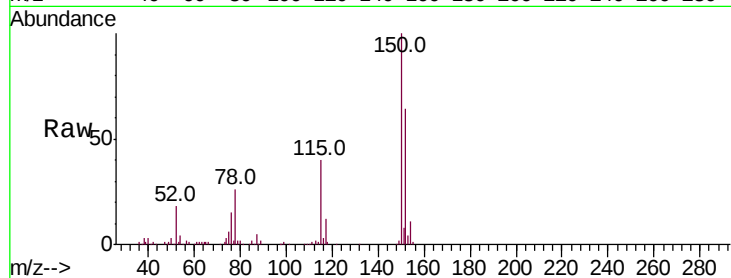


#1

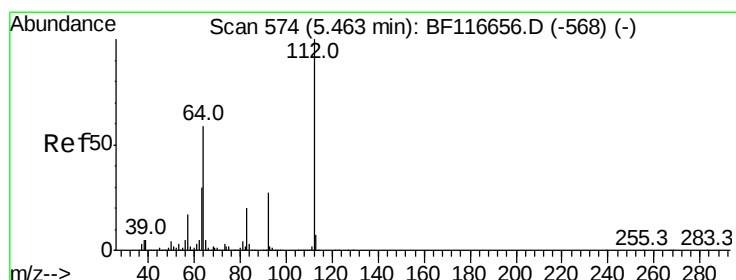
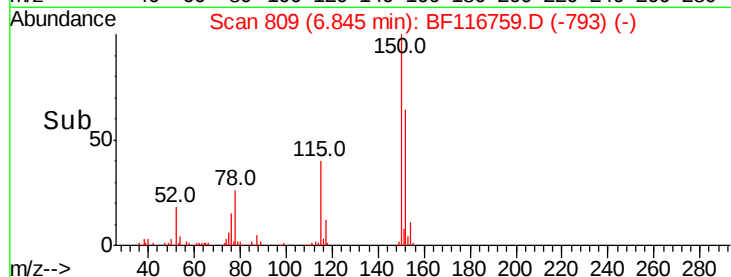
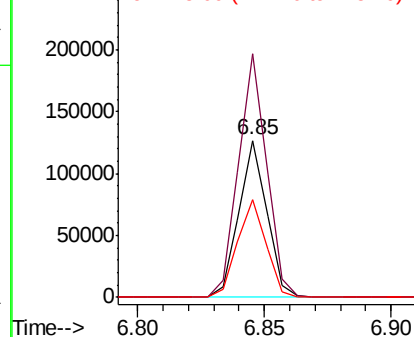
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 97280
Ion Ratio Lower Upper
152 100
150 155.2 124.4 186.6
115 62.2 49.9 74.9



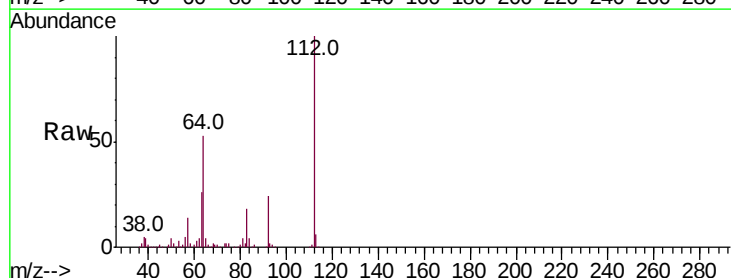
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



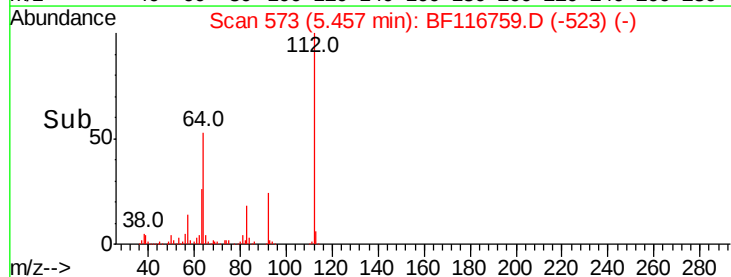
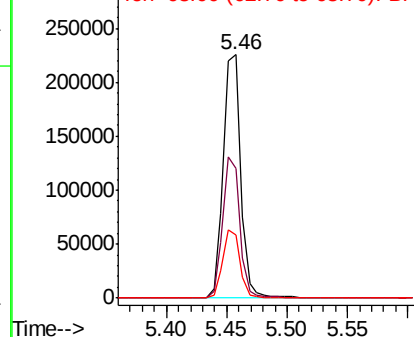
#5

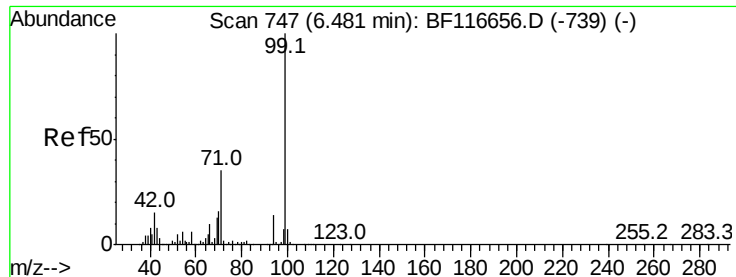
2-Fluorophenol
Concen: 37.718 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

Tgt Ion:112 Resp: 226487
Ion Ratio Lower Upper
112 100
64 53.2 47.1 70.7
63 26.0 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: 39.425 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116759.D

Acq: 1 Sep 2019 22:46

Instrument :

BNA_F

ClientSampleId :

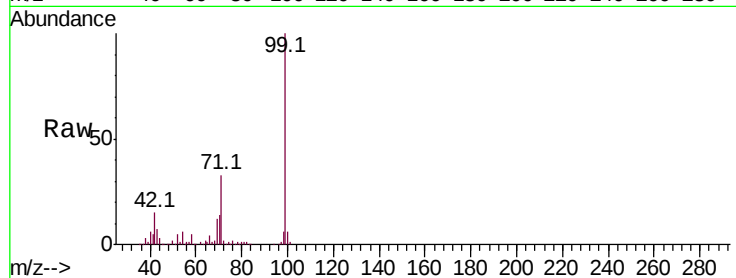
Tot Ion: 99 Resp: 310861

Ion Ratio Lower Upper

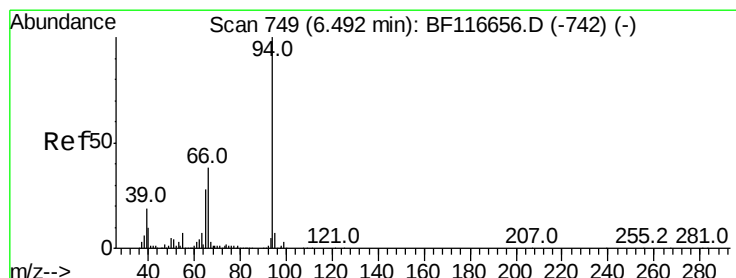
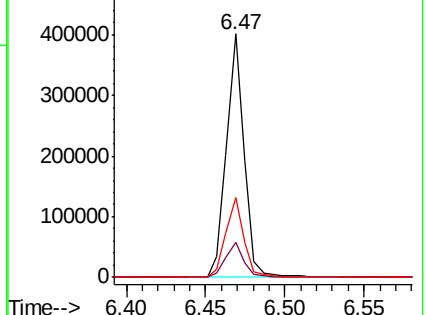
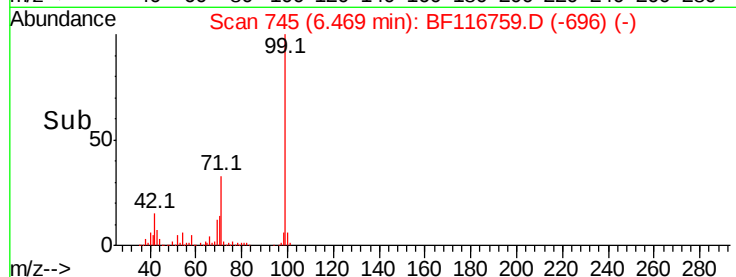
99 100

42 14.6 13.7 20.5

71 32.7 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: 2.045 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116759.D

Acq: 1 Sep 2019 22:46

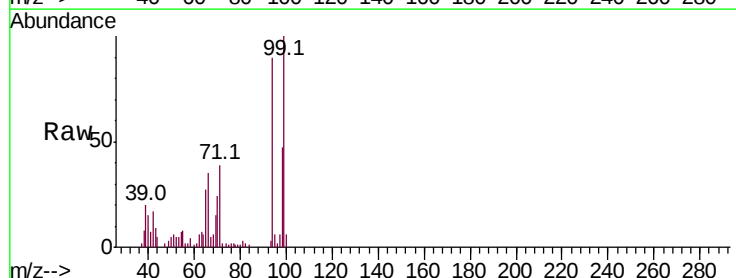
Tgt Ion: 94 Resp: 17853

Ion Ratio Lower Upper

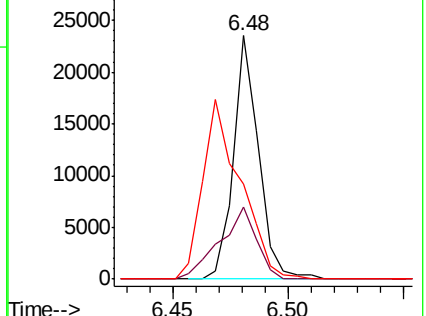
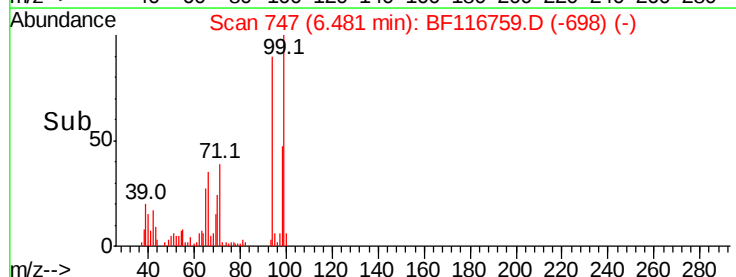
94 100

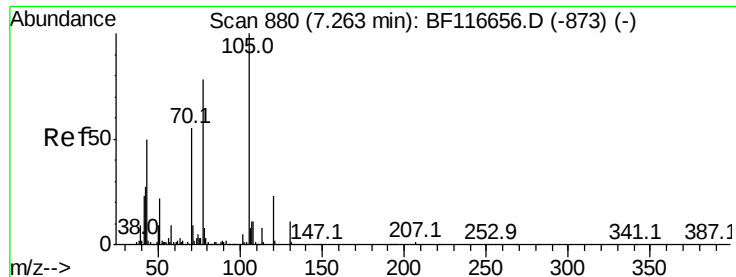
65 29.8 10.8 50.8

66 38.9 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

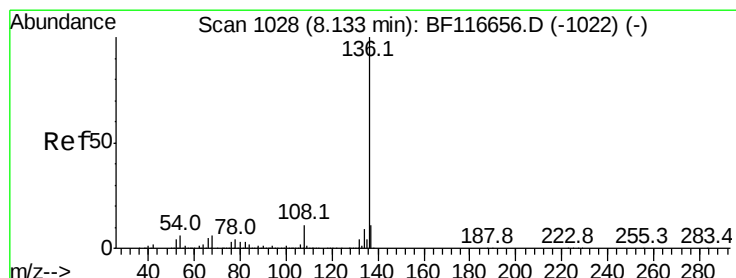
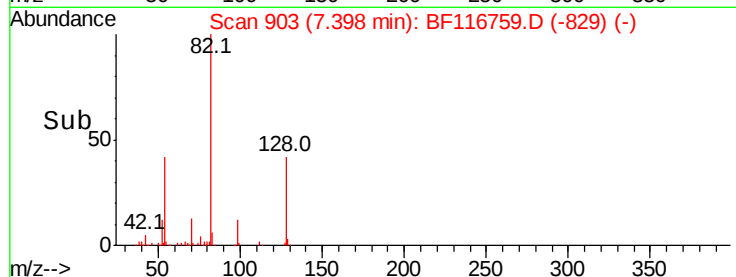
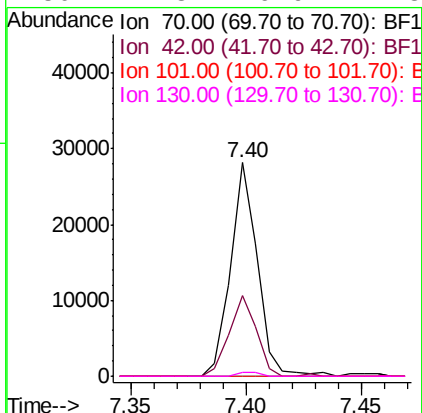
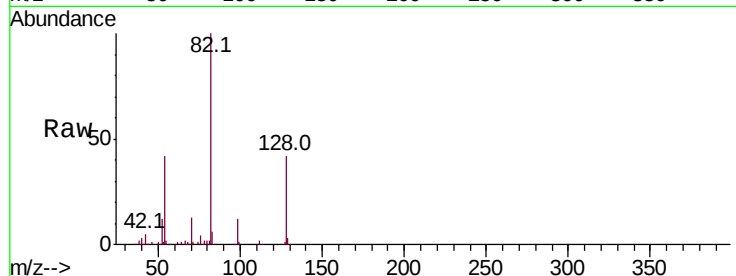




#19
n-Nitroso-di-n-propylamine
Concen: 4.377 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

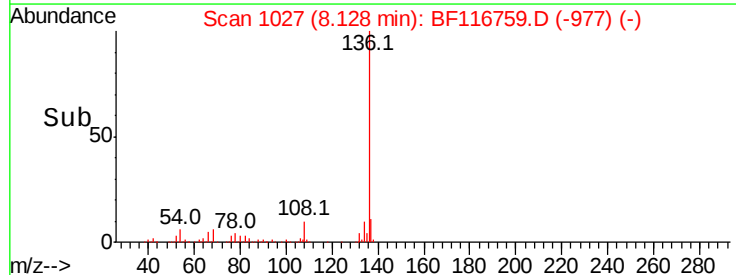
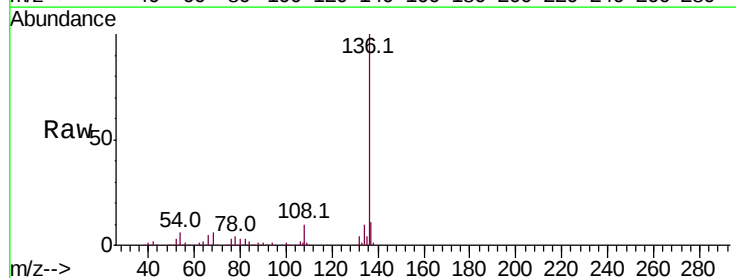
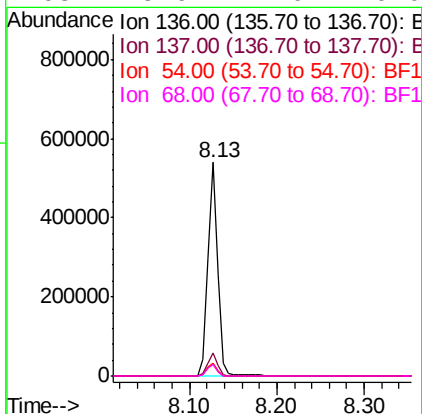
Instrument :
BNA_F
ClientSampleId :

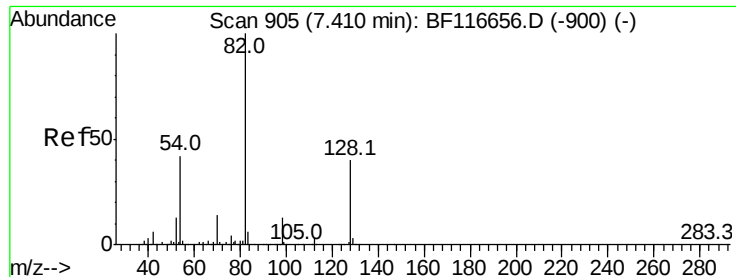
Tot Ion: 70 Resp: 22722
Ion Ratio Lower Upper
70 100
42 37.6 43.5 65.3#
101 0.0 7.8 11.6#
130 1.8 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

Tgt Ion: 136 Resp: 424716
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.1 4.8 7.2
68 5.6 4.0 6.0





#23

Nitrobenzene-d5

Concen: 23.153 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF116759.D

Acq: 1 Sep 2019 22:46

Instrument :

BNA_F

ClientSampleId :

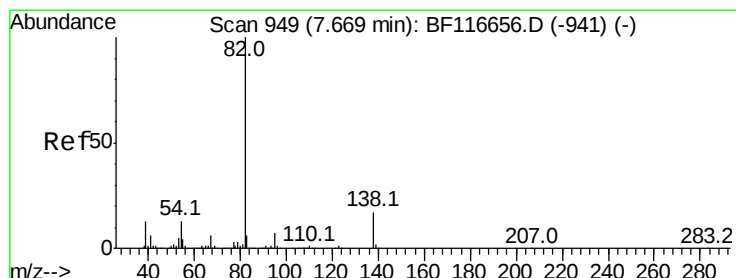
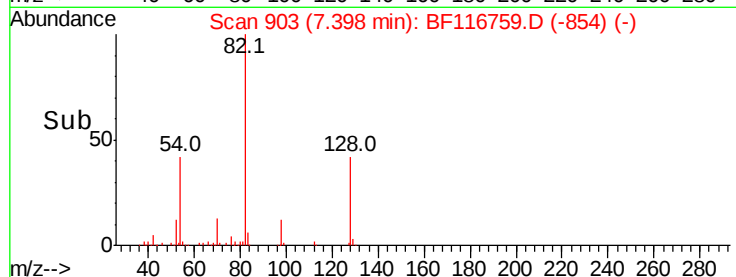
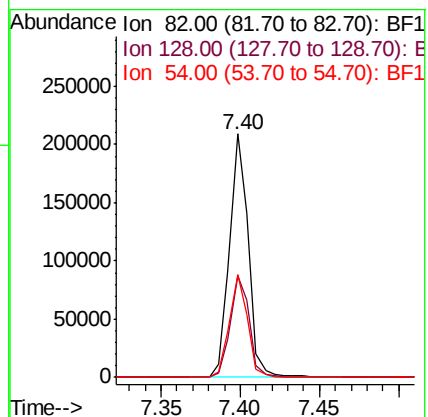
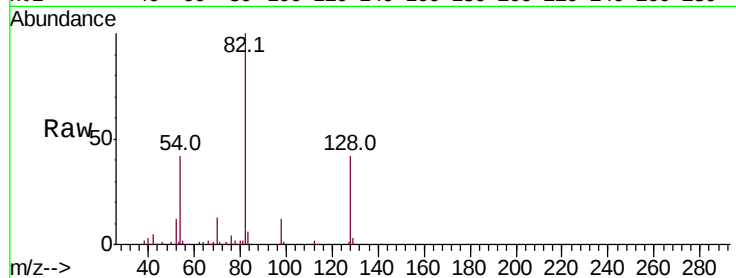
Tot Ion: 82 Resp: 172256

Ion Ratio Lower Upper

82 100

128 41.8 32.8 49.2

54 42.0 36.9 55.3



#25

Isophorone

Concen: 11.426 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF116759.D

Acq: 1 Sep 2019 22:46

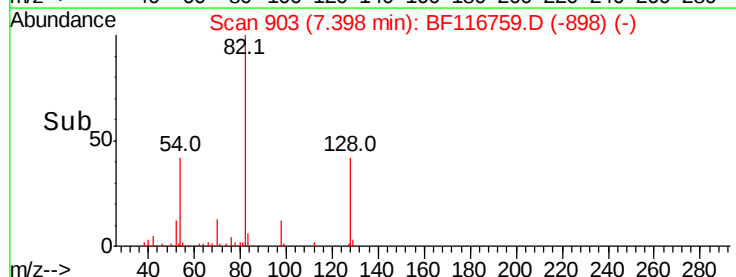
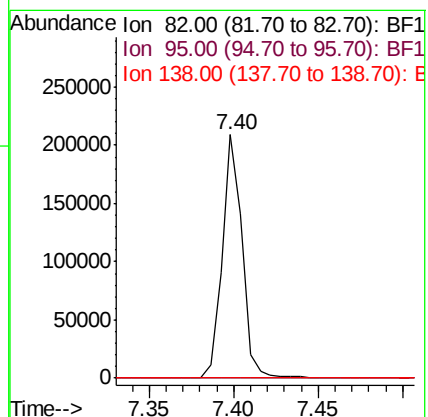
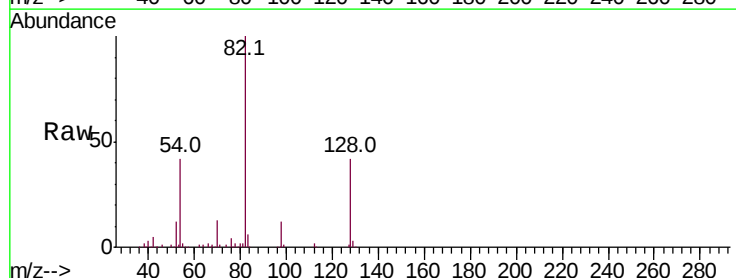
Tgt Ion: 82 Resp: 172254

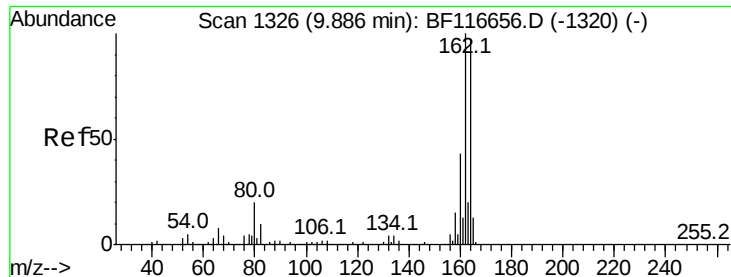
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 13.5 20.3#

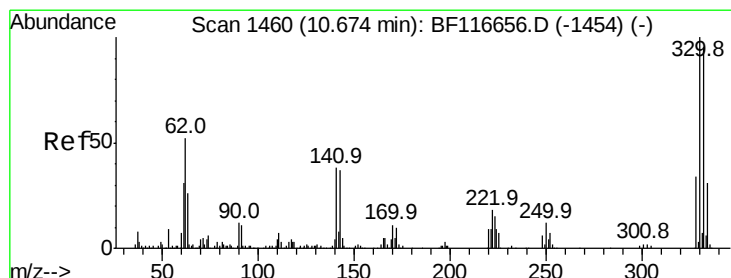
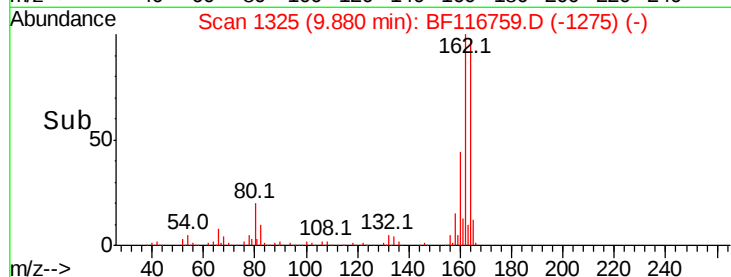
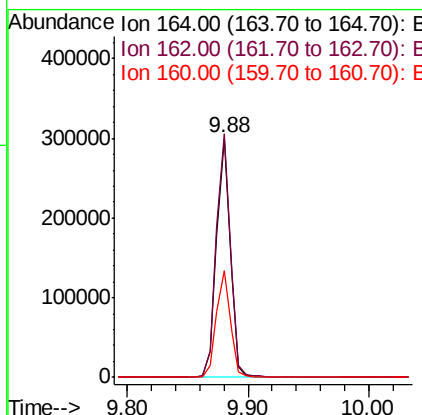
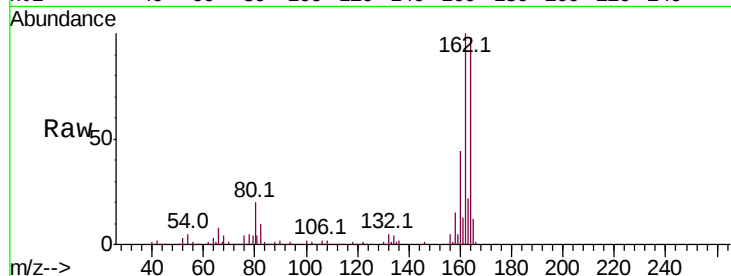




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

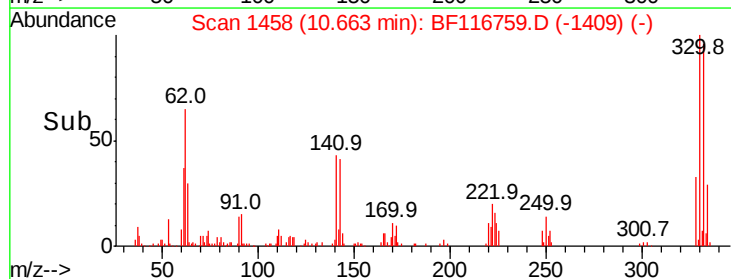
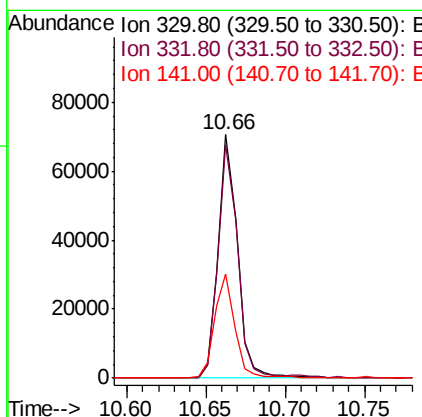
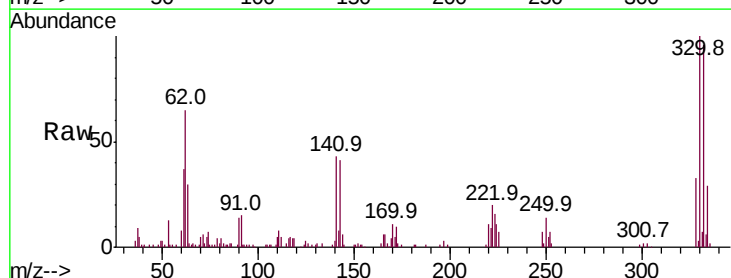
Instrument :
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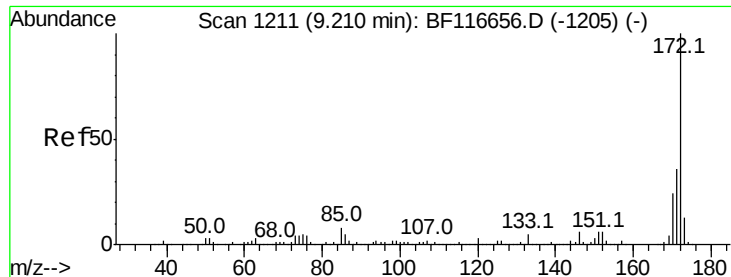
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.4	122.0
160	44.8	35.4	53.2



#42
 2,4,6-Tribromophenol
 Concen: 38.117 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.9	115.3
141	44.1	31.4	47.2

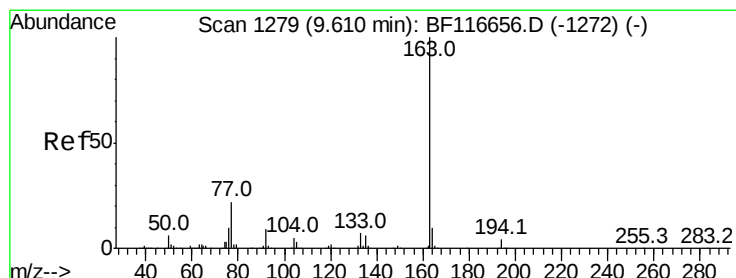
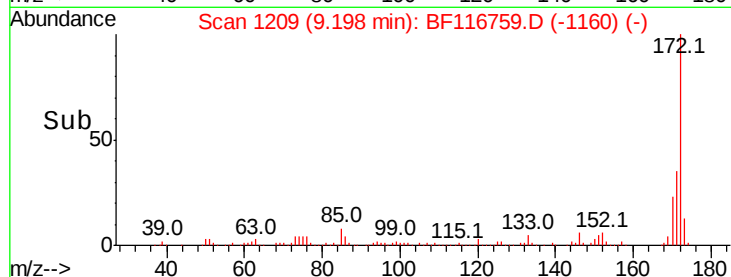
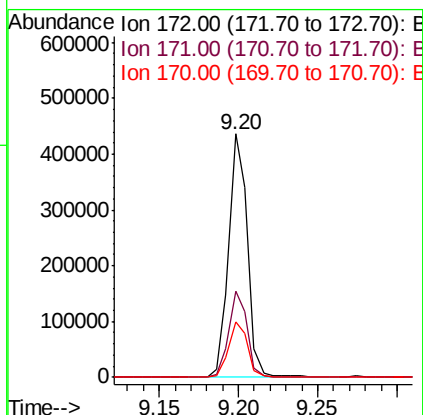
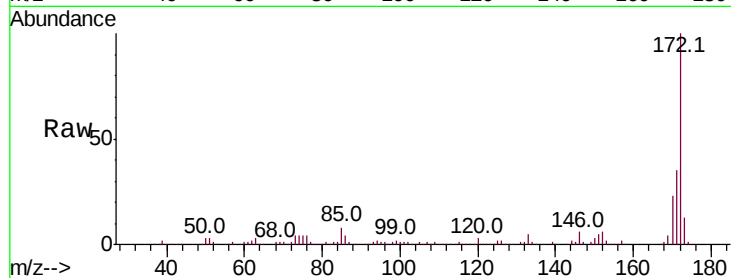




#45
 2-Fluorobiphenyl
 Concen: 25.768 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

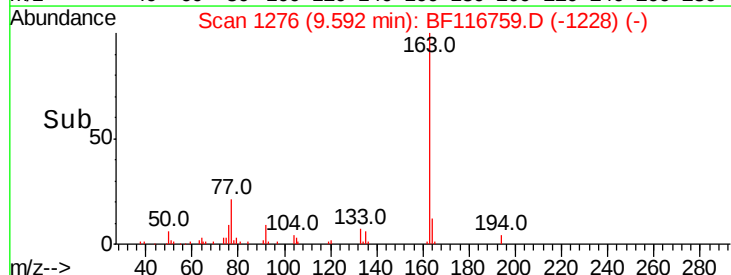
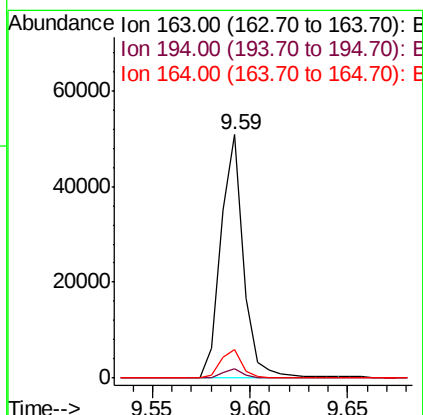
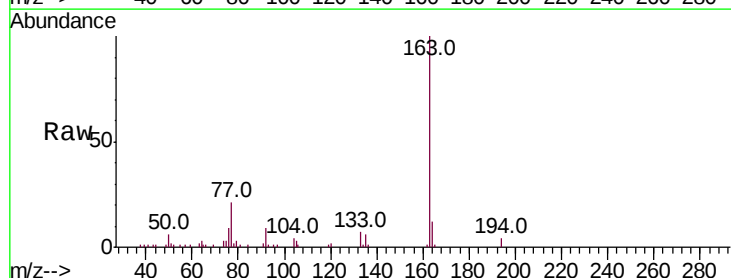
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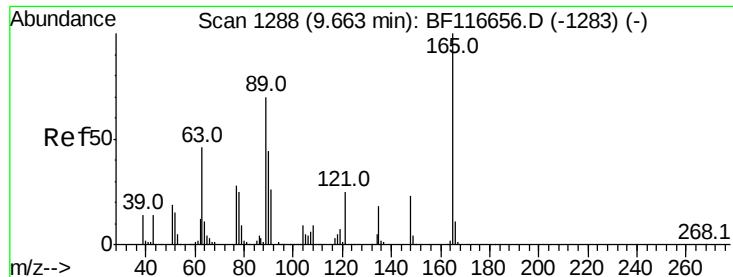
Tot Ion:172 Resp: 359074
 Ion Ratio Lower Upper
 172 100
 171 35.2 27.8 41.6
 170 22.9 18.9 28.3



#50
 Dimethylphthalate
 Concen: 2.536 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.02 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Tgt Ion:163 Resp: 41158
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.8 4.2
 164 11.8 8.6 12.8

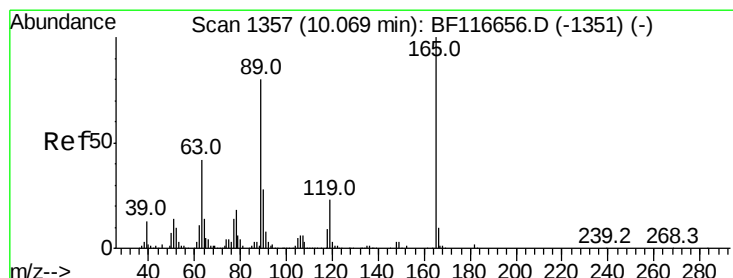
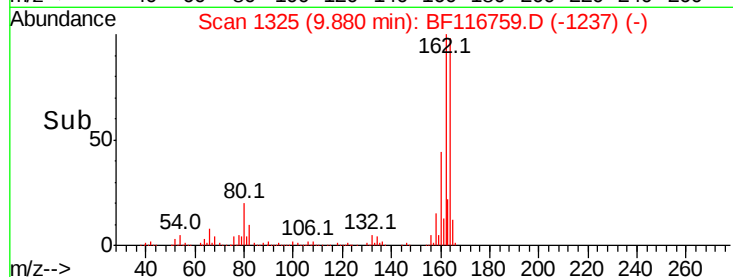
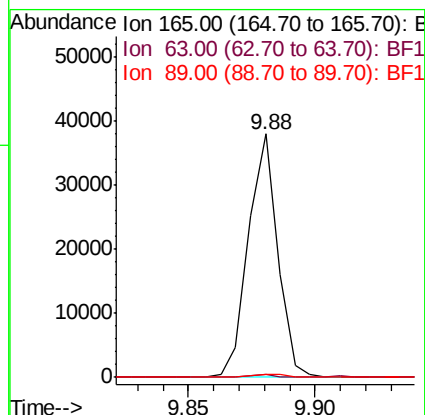
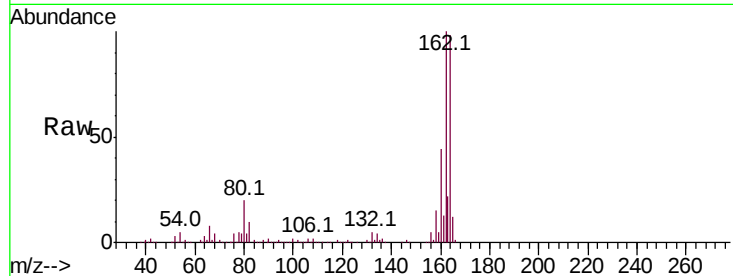




#51
 2,6-Dinitrotoluene
 Concen: 9.855 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.22 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

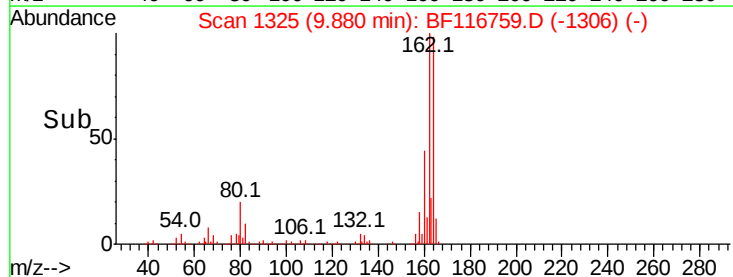
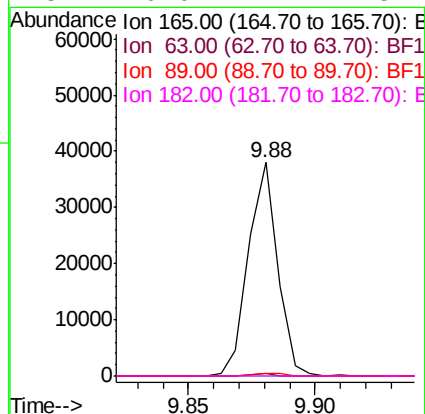
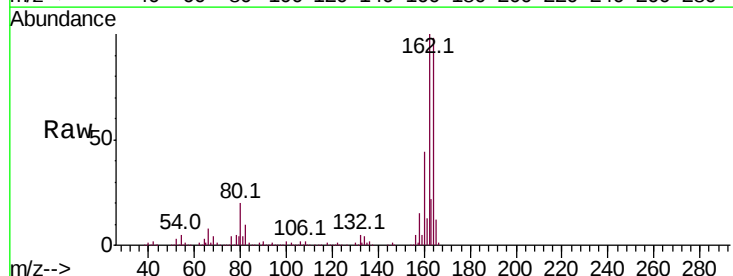
Instrument :
 BNA_F
 ClientSampleId :

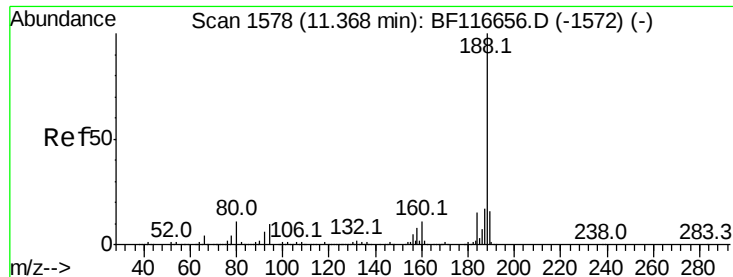
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	47.3	70.9#
89	1.3	52.5	78.7#



#57
 2,4-Dinitrotoluene
 Concen: 8.060 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	62.6	94.0#
182	0.0	2.1	3.1#

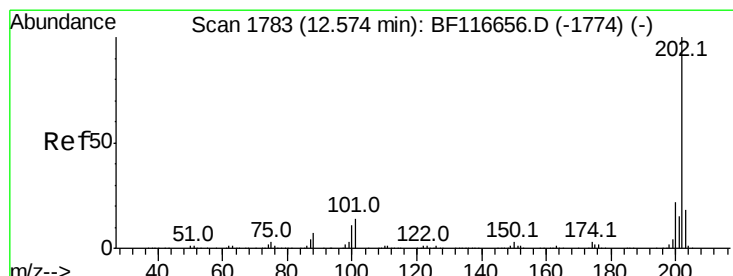
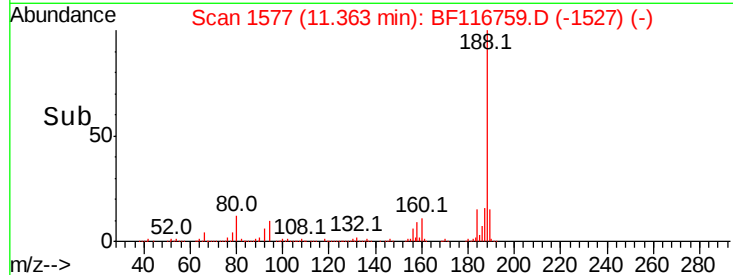
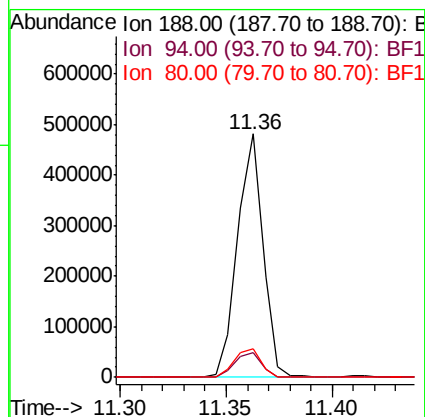
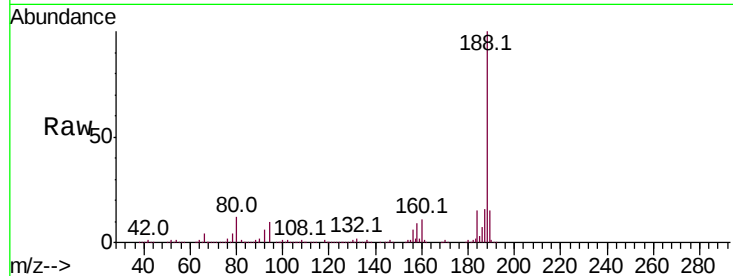




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

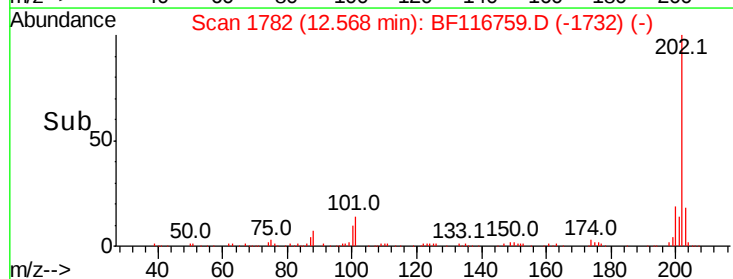
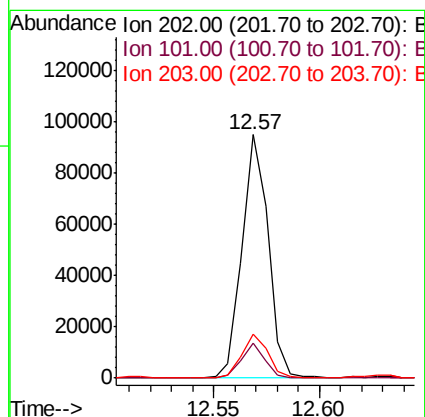
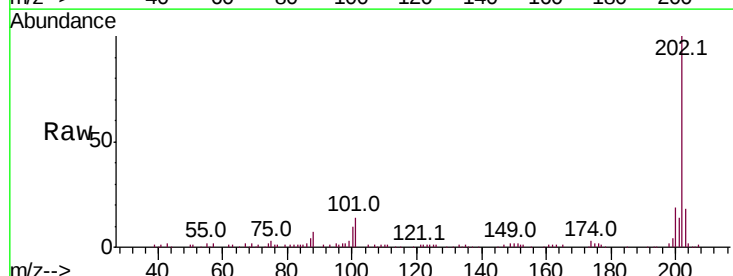
Instrument :
BNA_F
ClientSampleId :

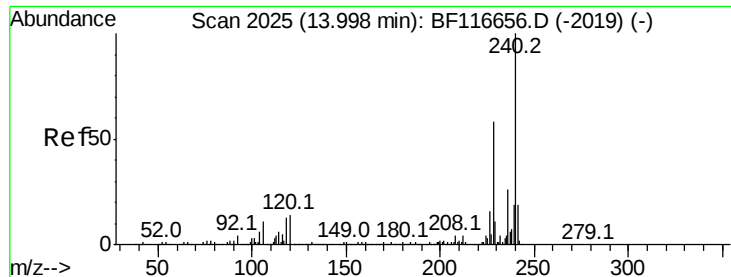
Tot Ion:188 Resp: 402127
Ion Ratio Lower Upper
188 100
94 10.1 7.3 10.9
80 11.6 8.4 12.6



#75
Fluoranthene
Concen: 3.707 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

Tgt Ion:202 Resp: 81557
Ion Ratio Lower Upper
202 100
101 14.2 0.0 31.3
203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116759.D

Acq: 1 Sep 2019 22:46

Instrument :

BNA_F

ClientSampleId :

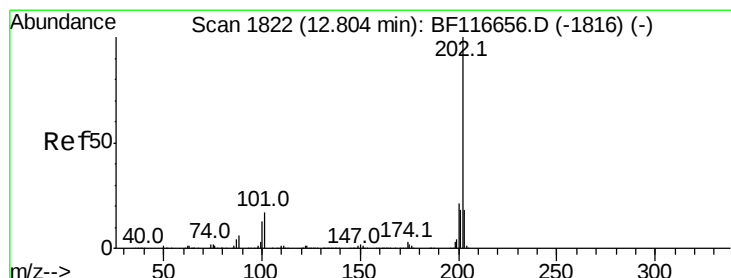
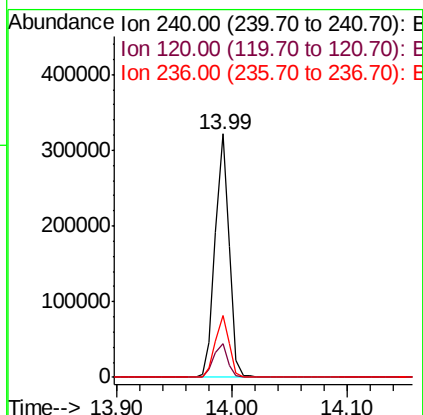
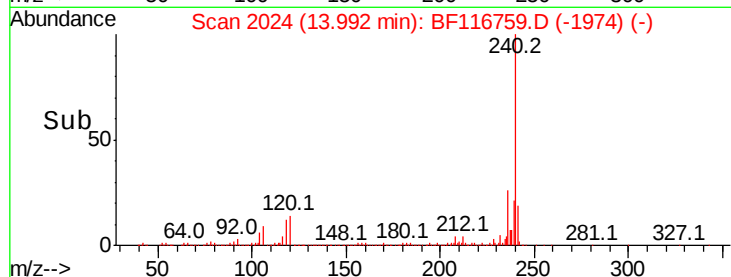
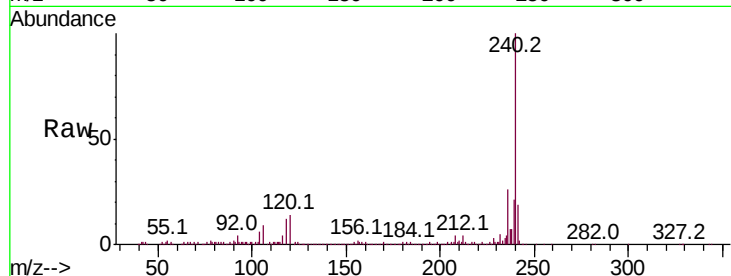
Tot Ion:240 Resp: 271835

Ion Ratio Lower Upper

240 100

120 13.9 9.1 13.7#

236 25.6 21.1 31.7



#78

Pyrene

Concen: 3.048 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116759.D

Acq: 1 Sep 2019 22:46

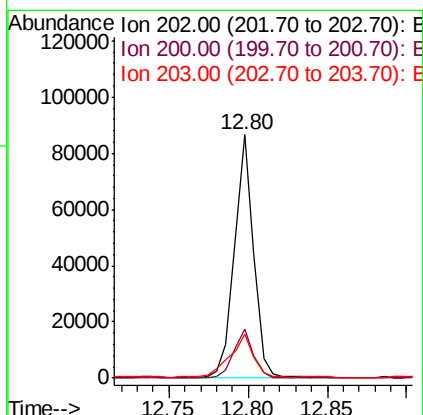
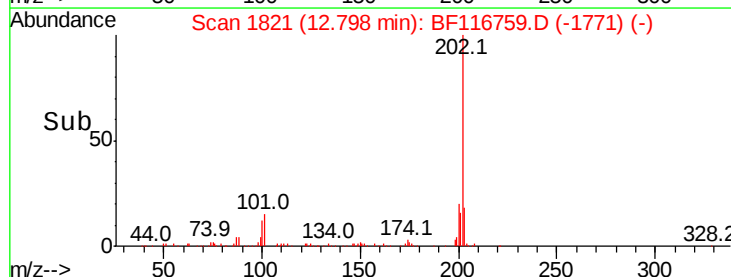
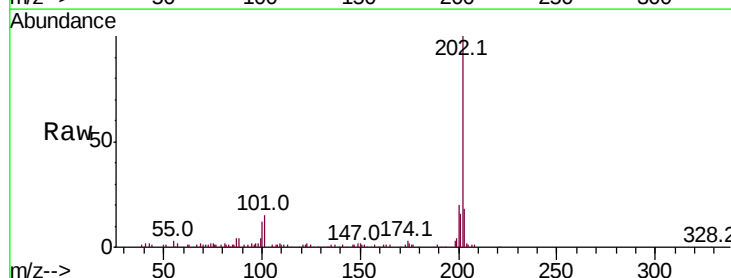
Tgt Ion:202 Resp: 73653

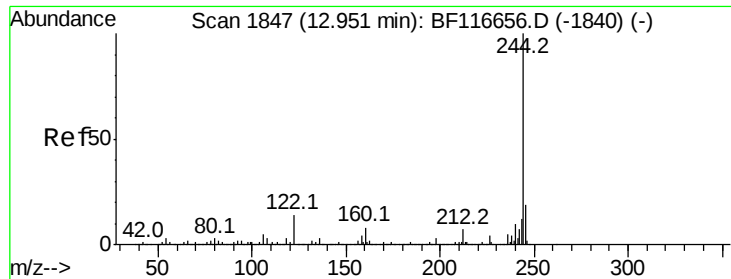
Ion Ratio Lower Upper

202 100

200 20.2 16.5 24.7

203 18.0 13.7 20.5

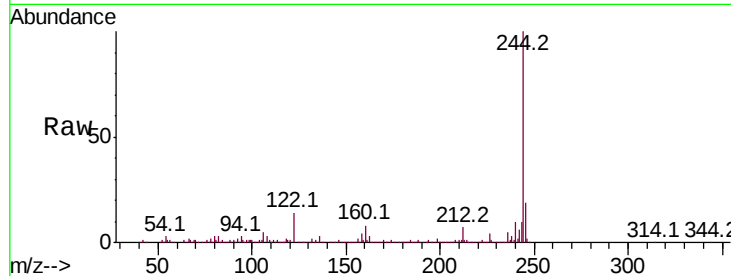




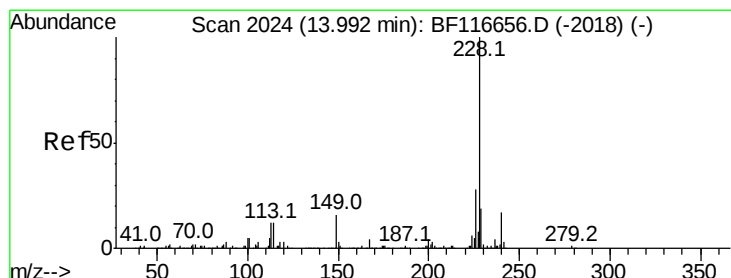
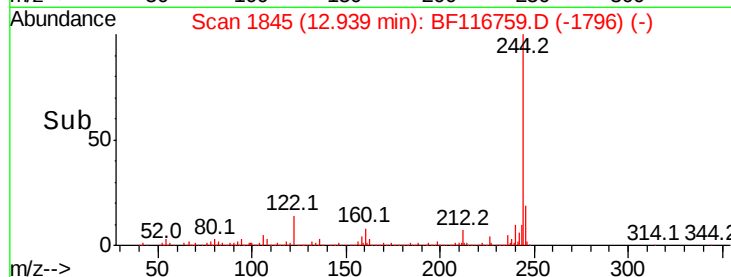
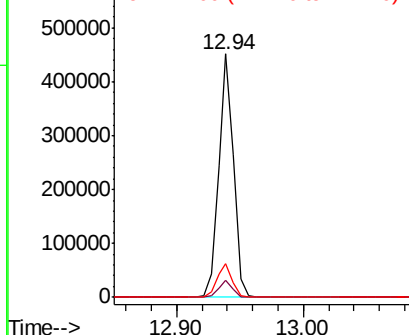
#79
 Terphenyl-d14
 Concen: 25.240 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 370887
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.1 9.1
 122 13.8 10.2 15.4

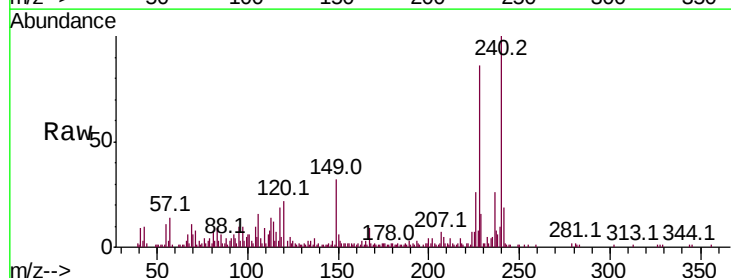


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

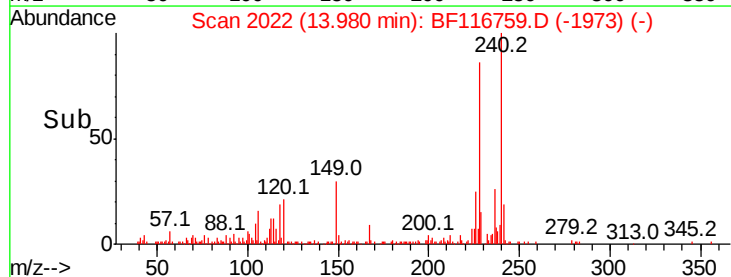
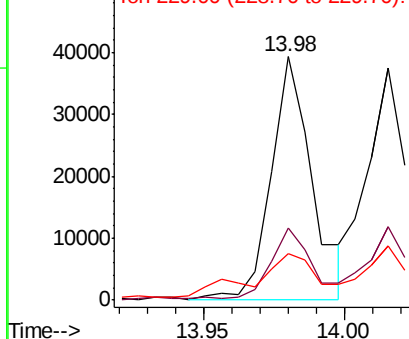


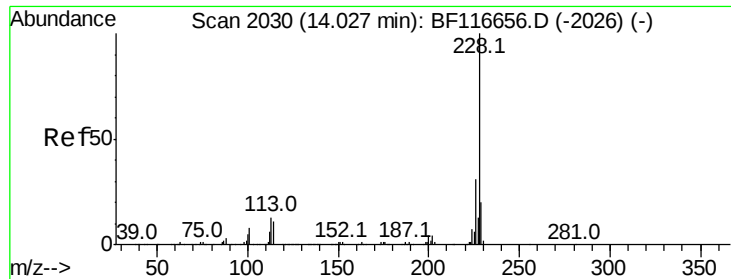
#81
 Benzo(a)anthracene
 Concen: 2.305 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Tgt Ion:228 Resp: 39655
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.0 33.0
 229 18.9 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

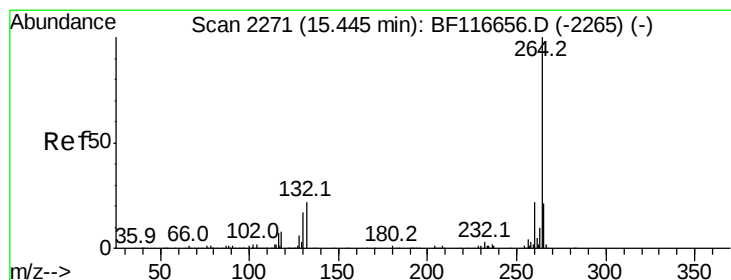
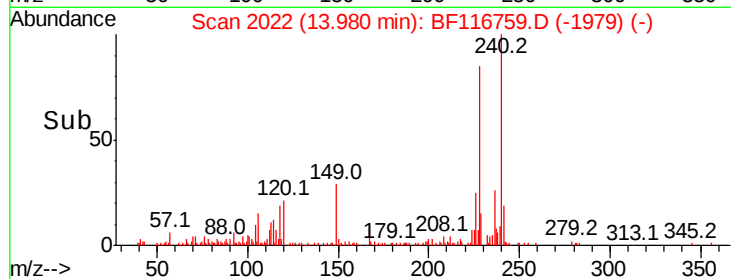
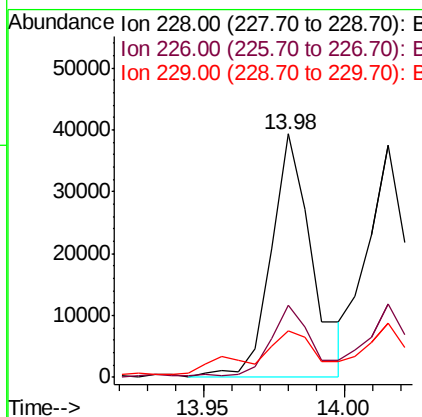
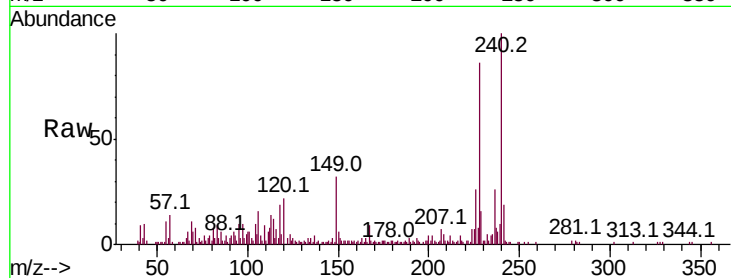




#83
 Chrysene
 Concen: 2.237 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.05 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

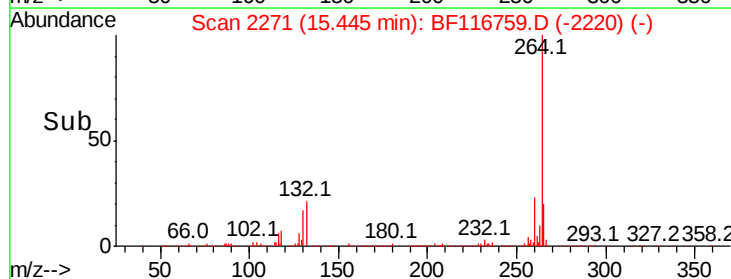
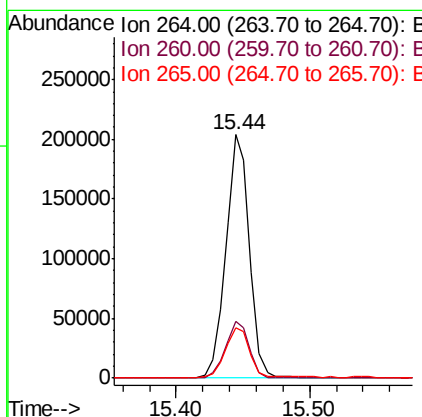
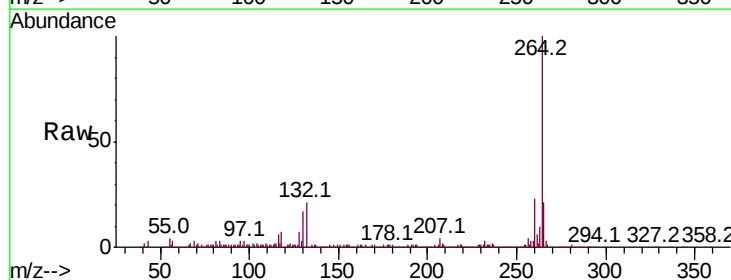
Instrument :
 BNA_F
 ClientSampled :

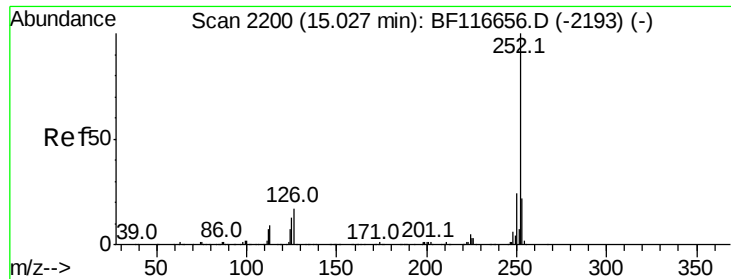
Tot Ion:228 Resp: 39655
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.0 36.0
 229 18.9 15.4 23.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Tgt Ion:264 Resp: 251871
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.3 27.5
 265 20.7 16.5 24.7

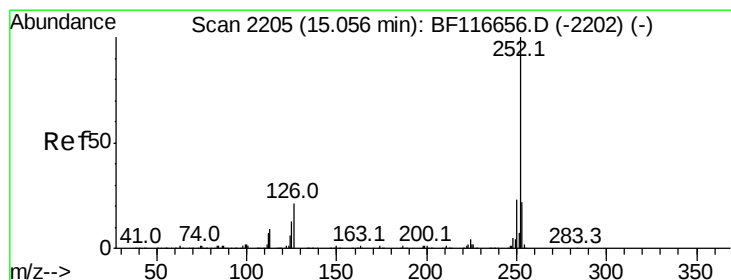
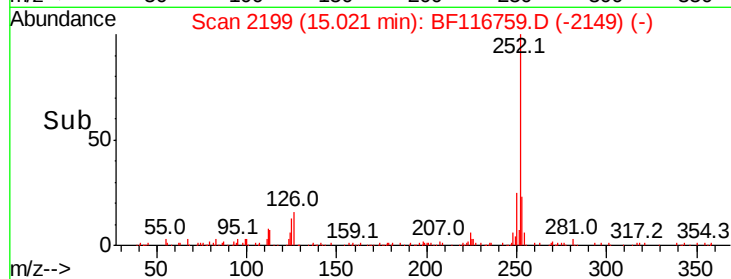
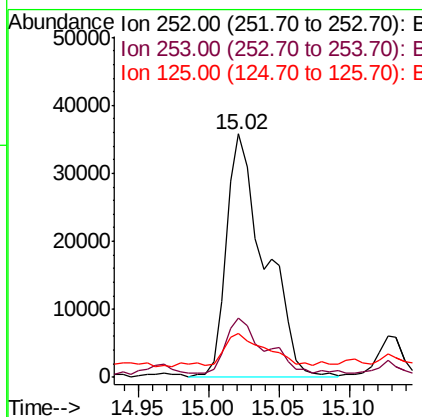
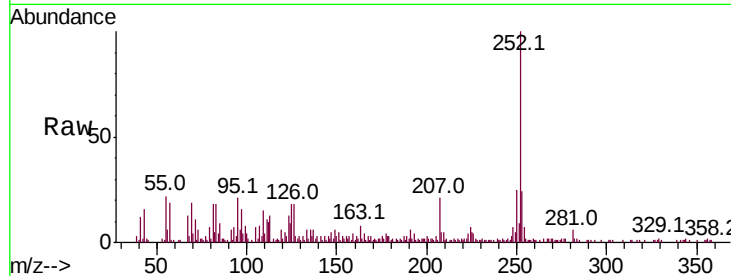




#88
Benzo(b)fluoranthene
Concen: 4.493 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

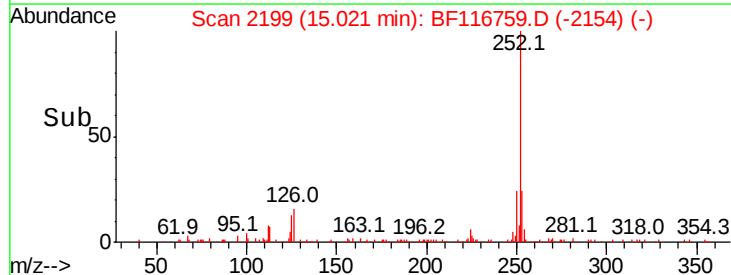
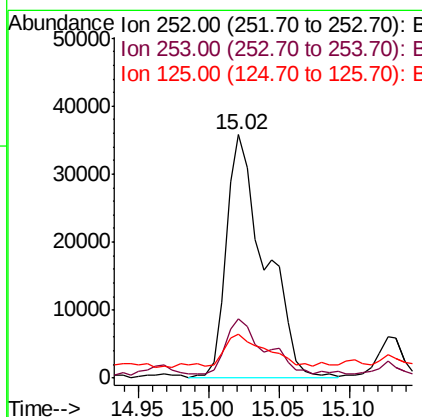
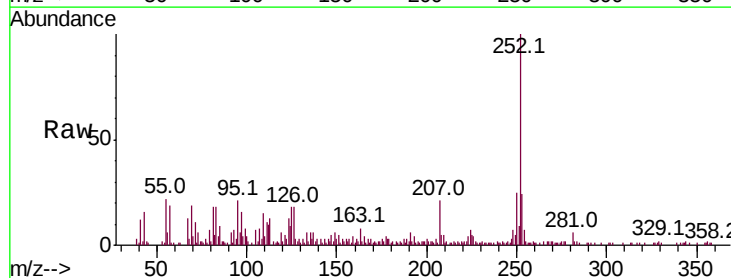
Instrument :
BNA_F
ClientSampleId :

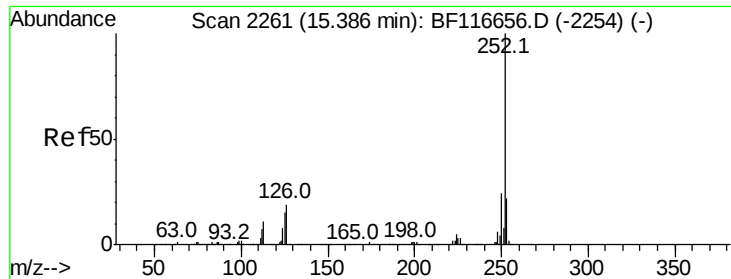
Tot Ion:252 Resp: 68413
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 17.9 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 4.927 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116759.D
Acq: 1 Sep 2019 22:46

Tgt Ion:252 Resp: 68413
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 17.9 8.6 13.0#





#90
 Benzo(a)pyrene
 Concen: 2.293 ng
 RT: 15.38 min Scan# 2260
 Delta R.T. -0.01 min
 Lab File: BF116759.D
 Acq: 1 Sep 2019 22:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.1	27.1#
125	19.6	9.8	14.8#

