

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
 Data File : BF116124.D
 Acq On : 9 Aug 2019 20:39
 Operator : HP/JU
 Sample : K4244-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 10 04:36:03 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	6.84	152	131472	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	511554	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	265138	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	462315	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	305541	20.00	ng	-0.01
87) Perylene-d12	15.46	264	336483	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	784370	99.88	ng	0.00
7) Phenol-d6	6.47	99	999517	100.87	ng	-0.01
23) Nitrobenzene-d5	7.40	82	639918	72.21	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	253381	98.57	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1085922	76.72	ng	-0.01
79) Terphenyl-d14	12.94	244	1086033	74.90	ng	-0.01

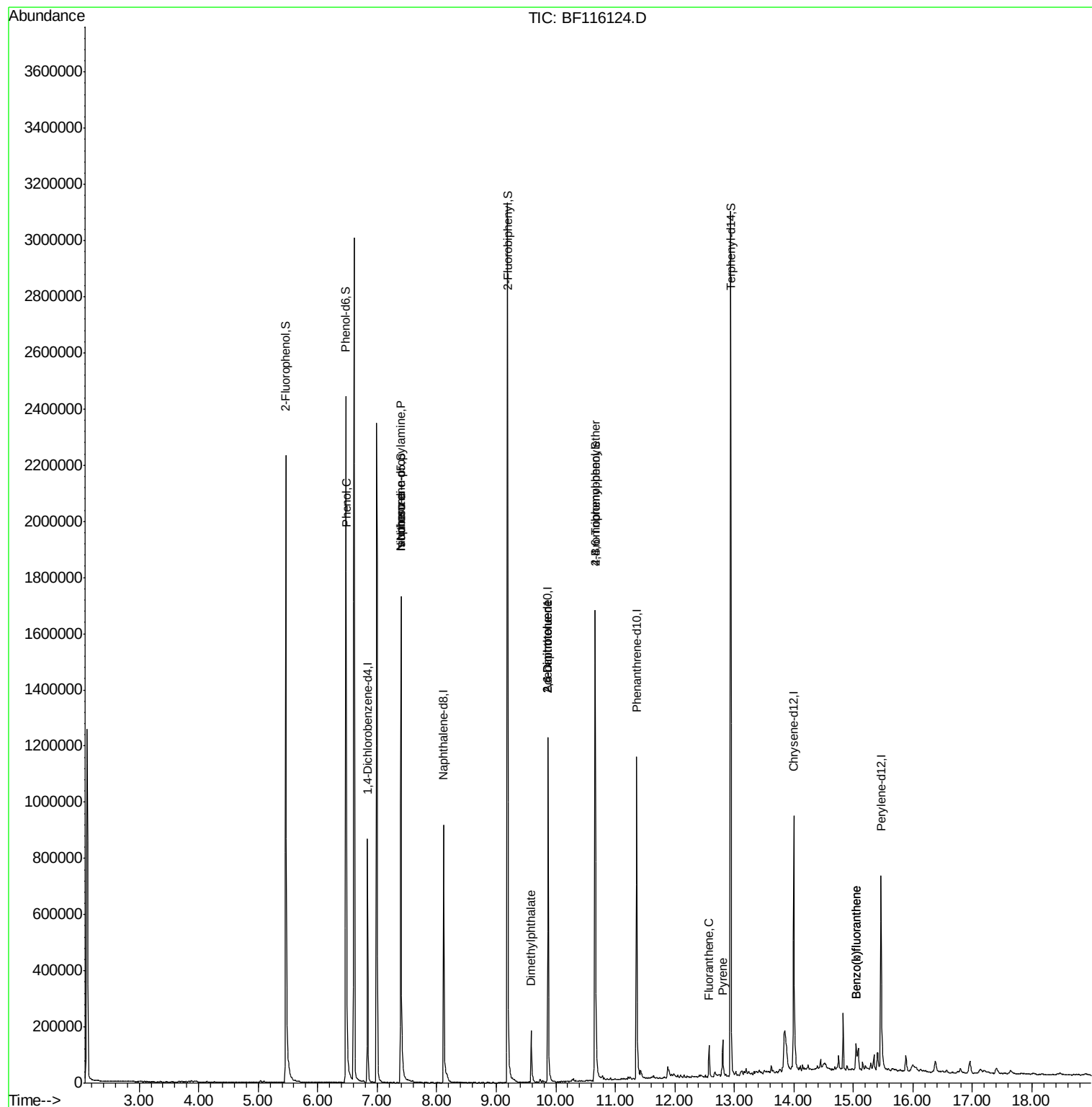
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.49	94	40714	3.489	ng	92
19) n-Nitroso-di-n-propylamine	7.40	70	85299	13.892	ng	# 81
25) Isophorone	7.40	82	639913	37.762	ng	# 65
50) Dimethylphthalate	9.59	163	102381	5.671	ng	98
51) 2,6-Dinitrotoluene	9.87	165	33974	8.660	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	33974	6.504	ng	# 20
67) 4-Bromophenyl-phenylether	10.66	248	15246	3.081	ng	# 1
75) Fluoranthene	12.57	202	51268	2.072	ng	98
78) Pyrene	12.80	202	57560	2.499	ng	98
88) Benzo(b)fluoranthene	15.04	252	71004	3.649	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	71004	3.747	ng	# 96

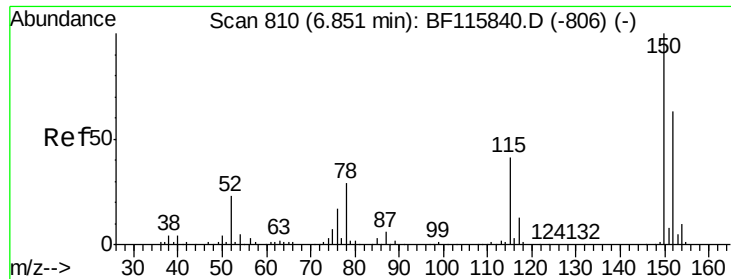
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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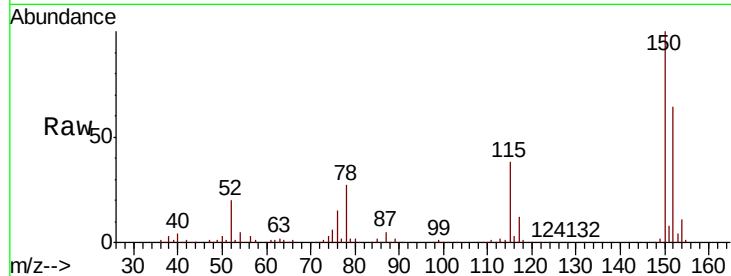




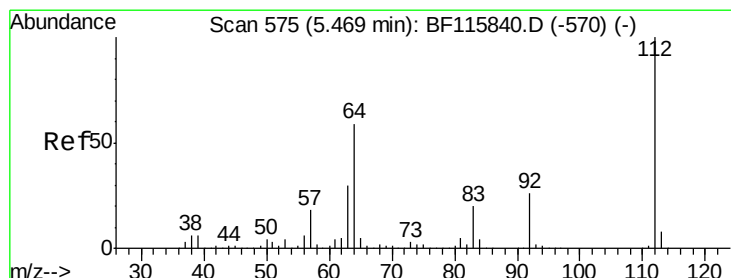
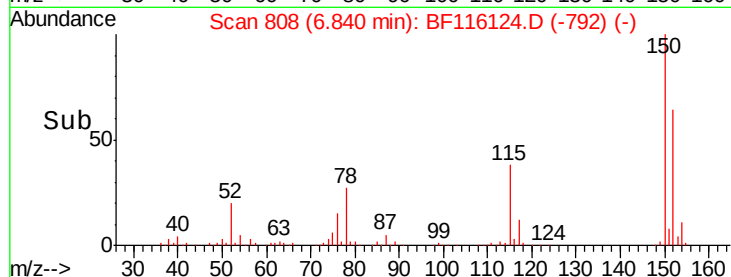
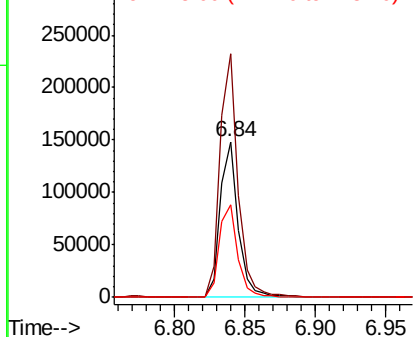
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 808
 Delta R.T. -0.01 min
 Lab File: BF116124.D
 Acq: 9 Aug 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 131472
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.2 189.2
 115 60.0 49.9 74.9

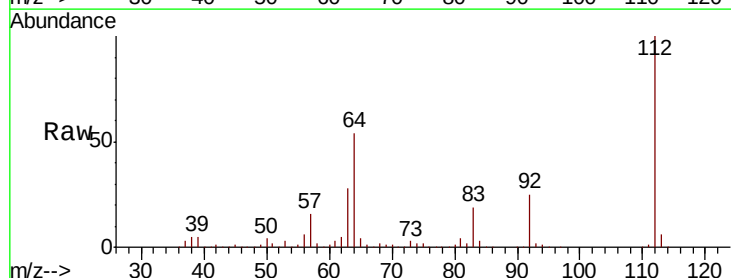


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

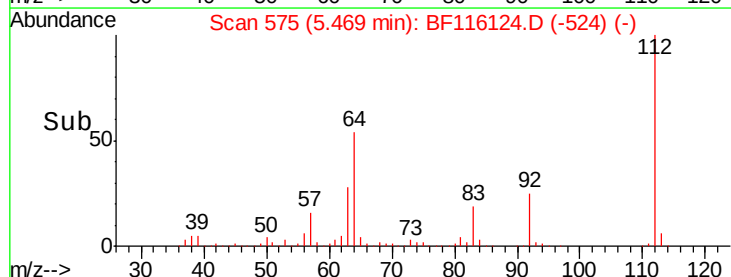
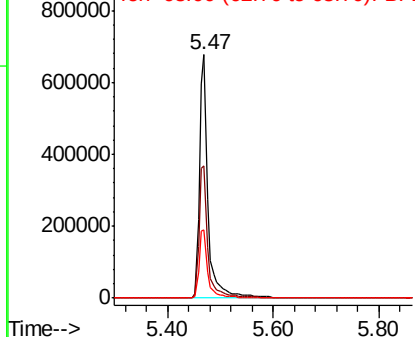


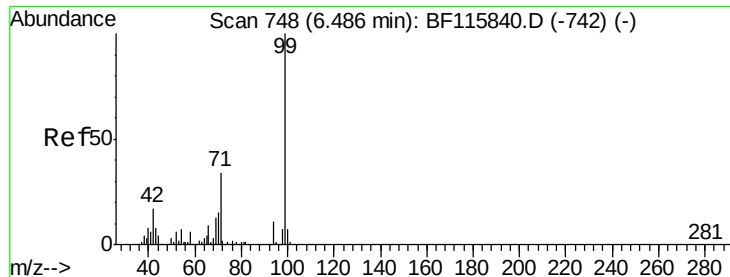
#5
 2-Fluorophenol
 Concen: 99.876 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.00 min
 Lab File: BF116124.D
 Acq: 9 Aug 2019 20:39

Tgt Ion:112 Resp: 784370
 Ion Ratio Lower Upper
 112 100
 64 54.2 45.4 68.2
 63 28.1 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: 100.874 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

Instrument :

BNA_F

ClientSampled :

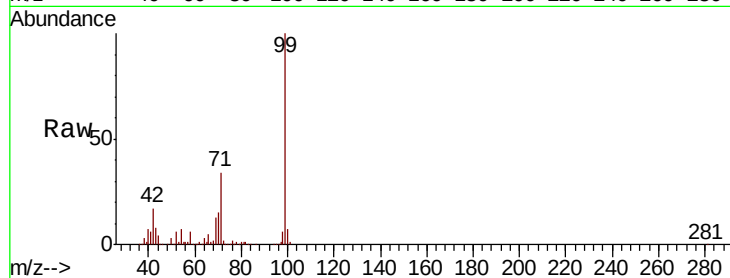
Tot Ion: 99 Resp: 999517

Ion Ratio Lower Upper

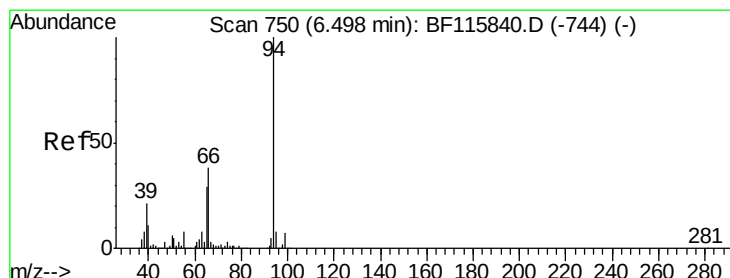
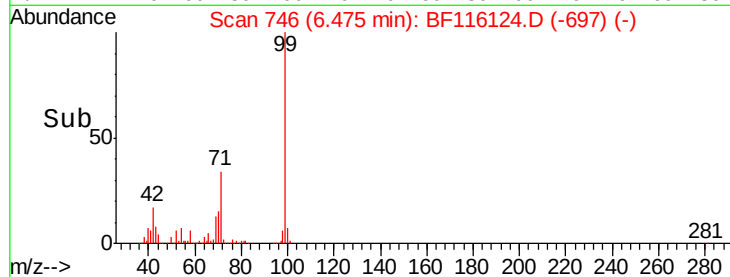
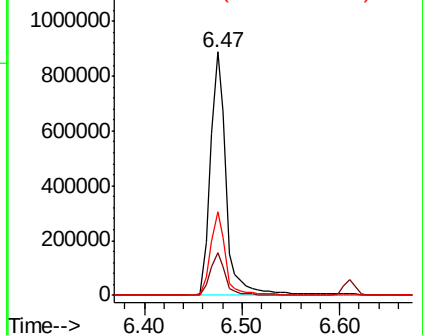
99 100

42 17.3 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: 3.489 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

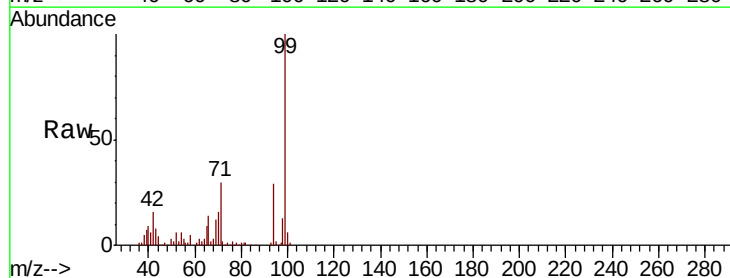
Tgt Ion: 94 Resp: 40714

Ion Ratio Lower Upper

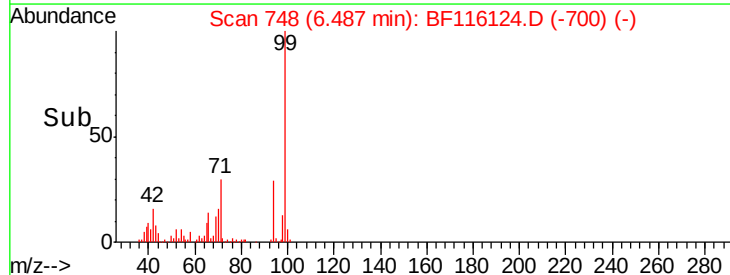
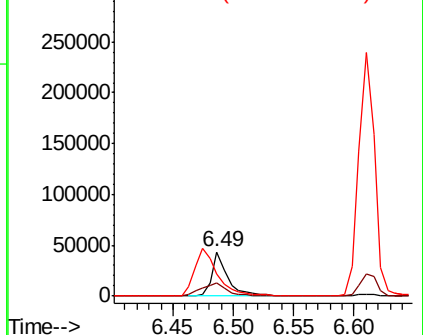
94 100

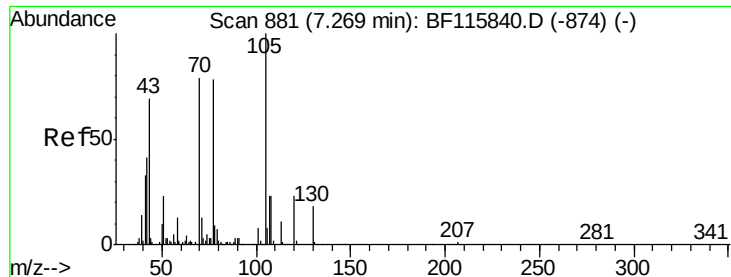
65 30.4 16.8 56.8

66 50.2 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

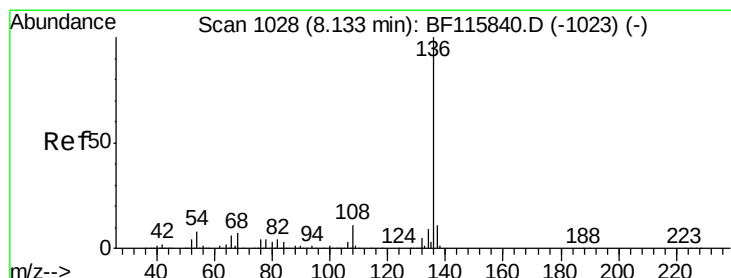
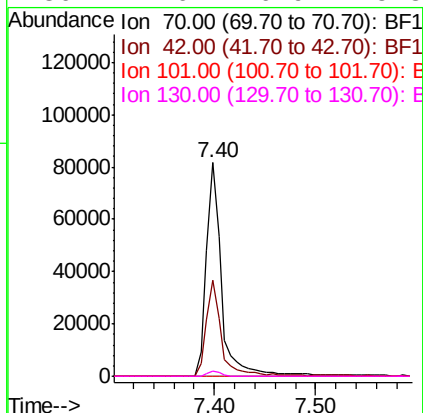
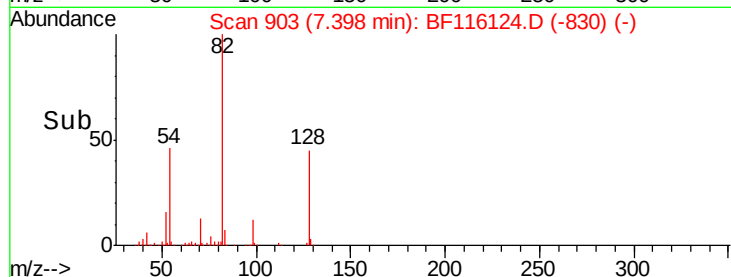
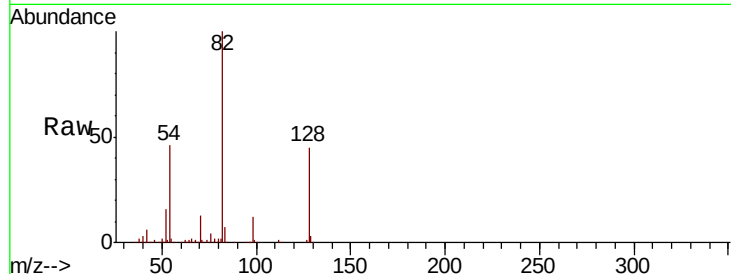




#19
n-Nitroso-di-n-propylamine
Concen: 13.892 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.13 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

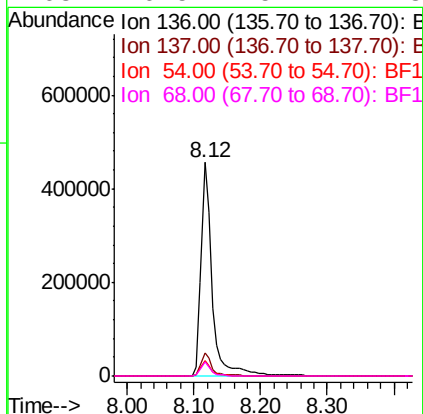
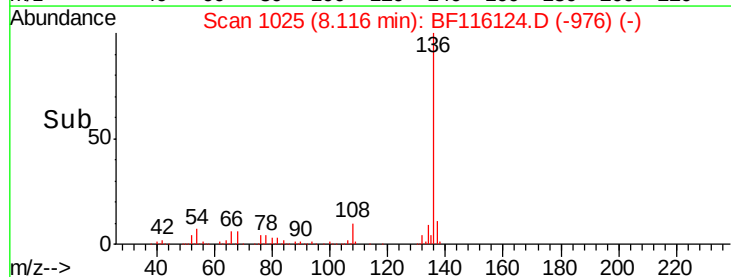
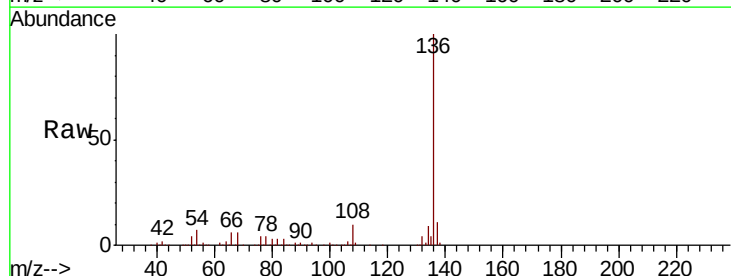
Instrument :
BNA_F
ClientSampleId :

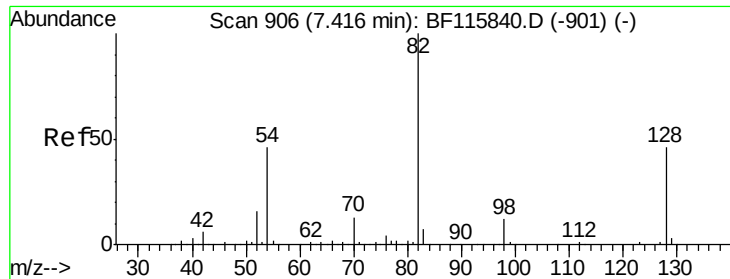
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	44.8	40.9	61.3	
101	0.0	7.9	11.9	#
130	2.6	16.9	25.3	#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.0	9.0	13.4	
54	7.4	5.8	8.6	
68	6.5	5.2	7.8	

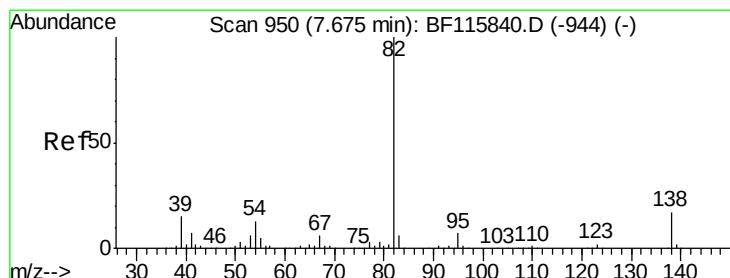
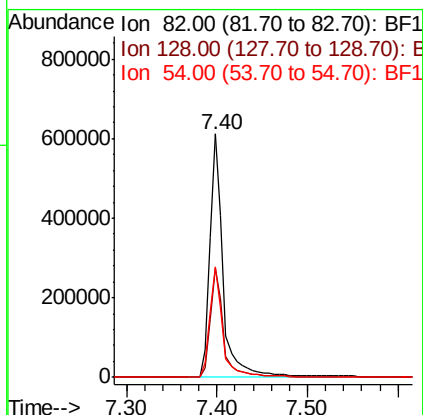
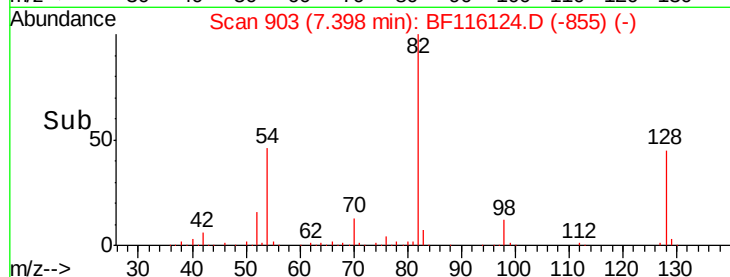
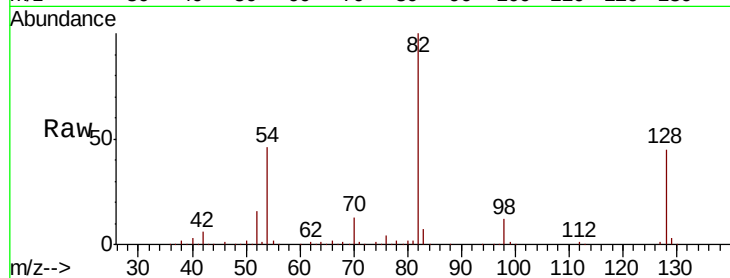




#23
Nitrobenzene-d5
Concen: 72.208 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

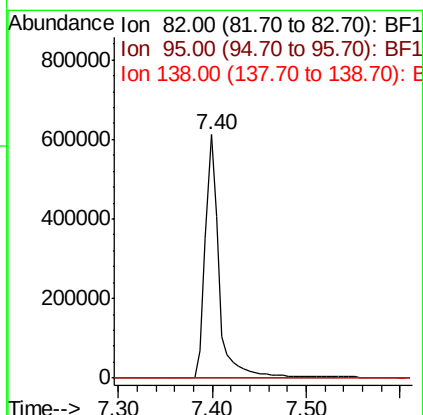
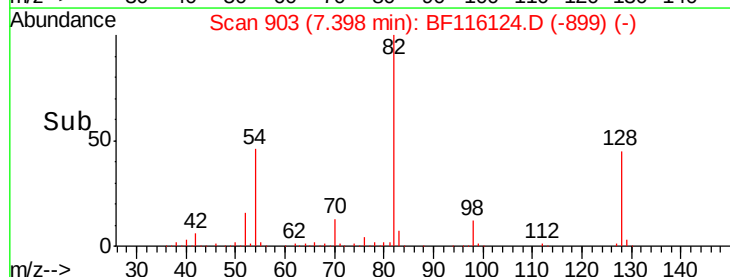
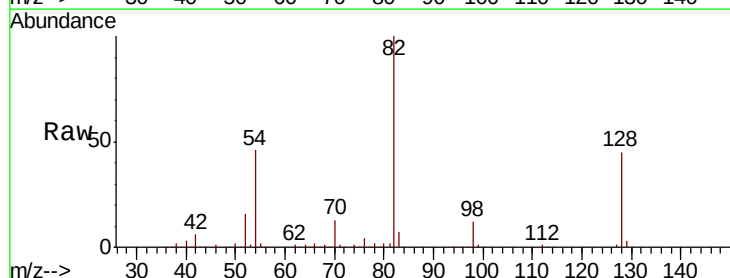
Instrument :
BNA_F
ClientSampleId :

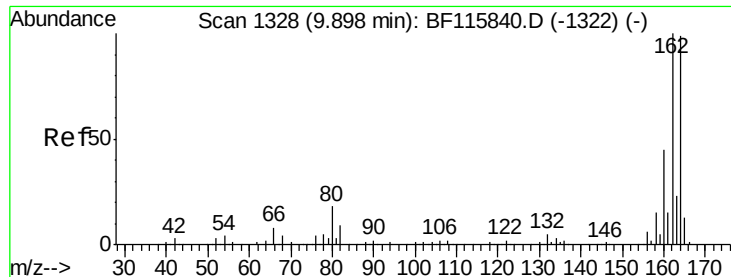
Tot Ion	82	Resp	639918
Ion Ratio	100	Lower	Upper
128	45.0	36.5	54.7
54	45.5	36.0	54.0



#25
Isophorone
Concen: 37.762 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.28 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

Tgt Ion	82	Resp	639913
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.5	21.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

Instrument :

BNA_F

ClientSampleId :

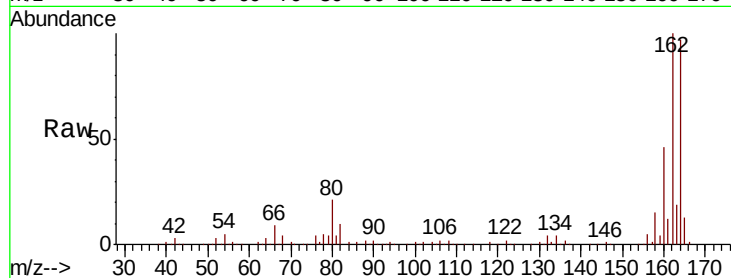
Tot Ion:164 Resp: 265138

Ion Ratio Lower Upper

164 100

162 102.6 82.6 124.0

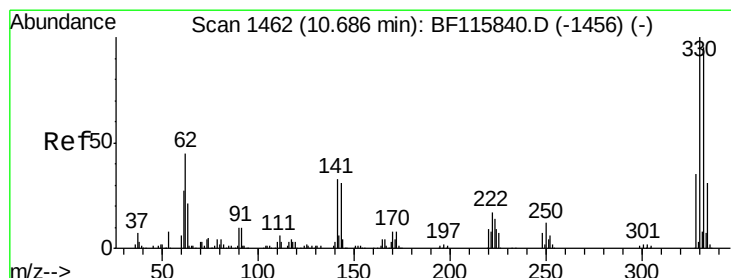
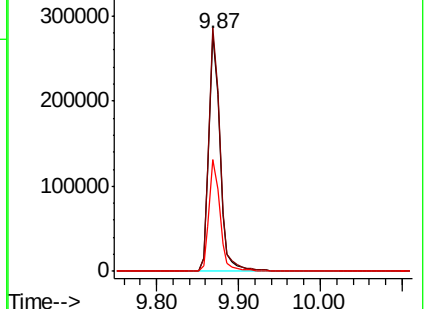
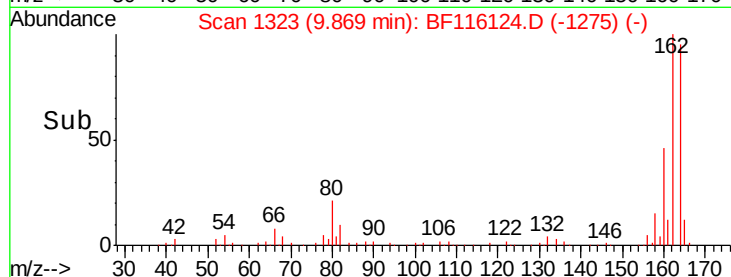
160 46.9 37.6 56.4



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: 98.569 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.01 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

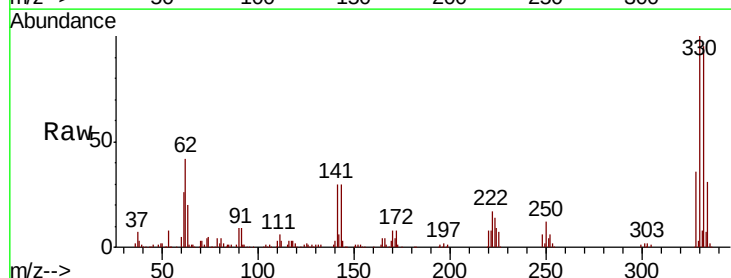
Tgt Ion:330 Resp: 253381

Ion Ratio Lower Upper

330 100

332 95.0 76.8 115.2

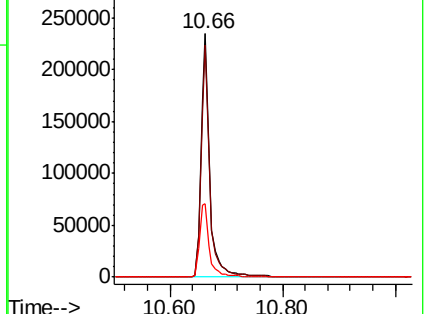
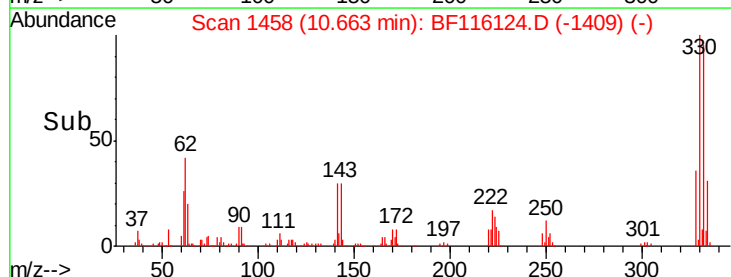
141 34.6 26.3 39.5

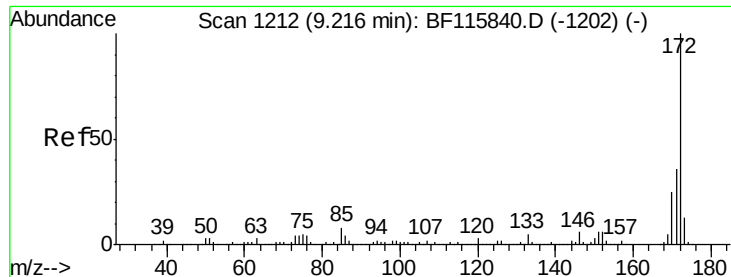


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

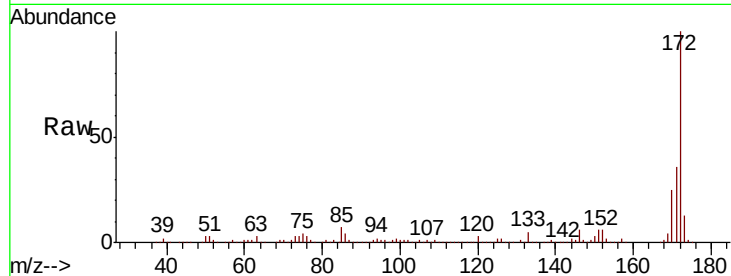




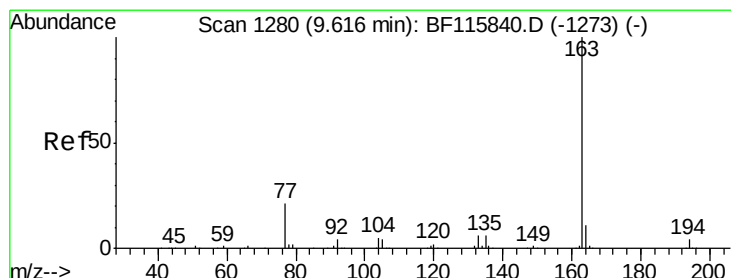
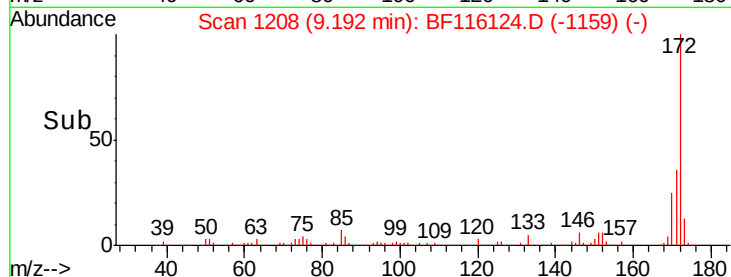
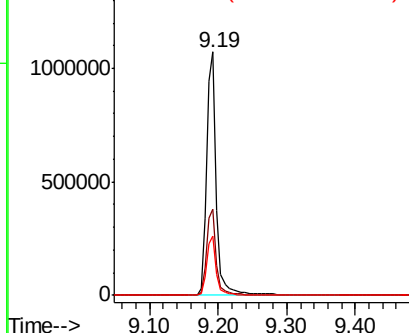
#45
2-Fluorobiphenyl
Concen: 76.715 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1085922
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 24.6 20.1 30.1

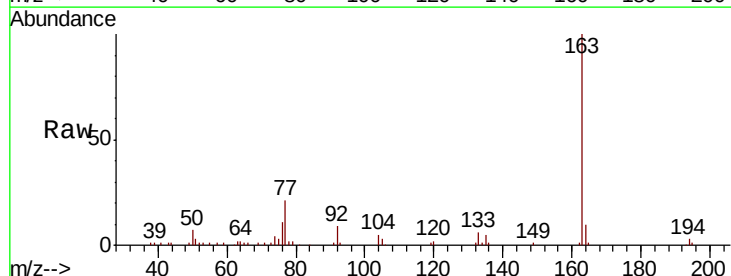


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

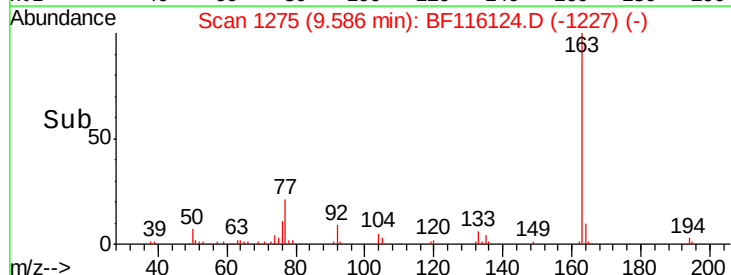
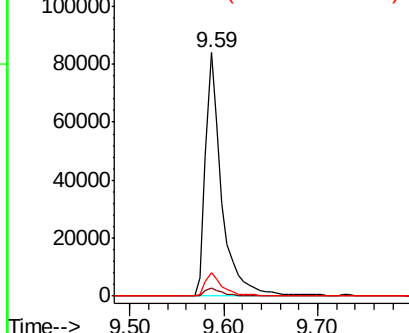


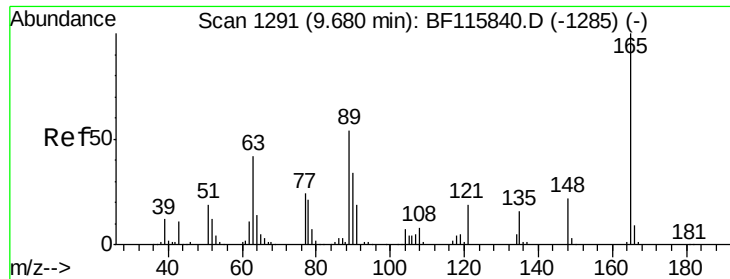
#50
Dimethylphthalate
Concen: 5.671 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

Tgt Ion:163 Resp: 102381
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.6
164 9.8 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

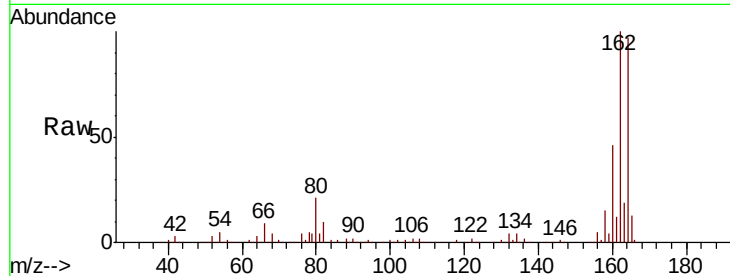




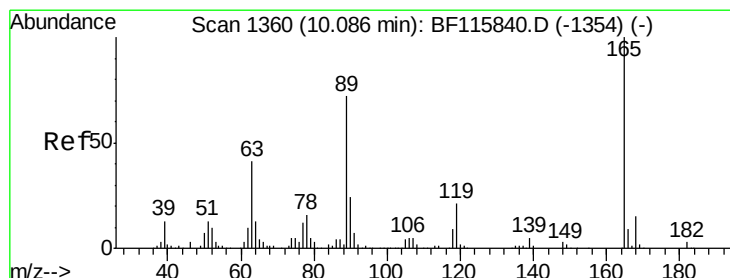
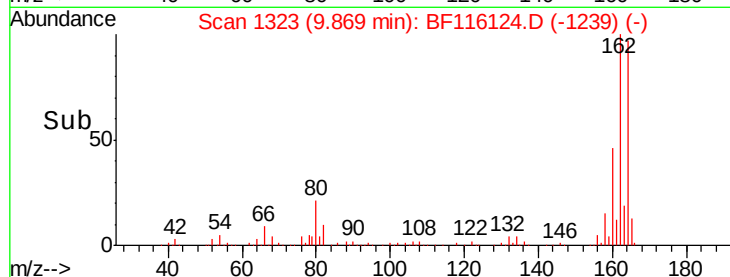
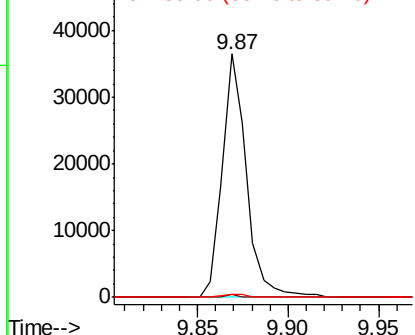
#51
 2,6-Dinitrotoluene
 Concen: 8.660 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.19 min
 Lab File: BF116124.D
 Acq: 9 Aug 2019 20:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	38.2	57.2#
89	1.4	42.9	64.3#



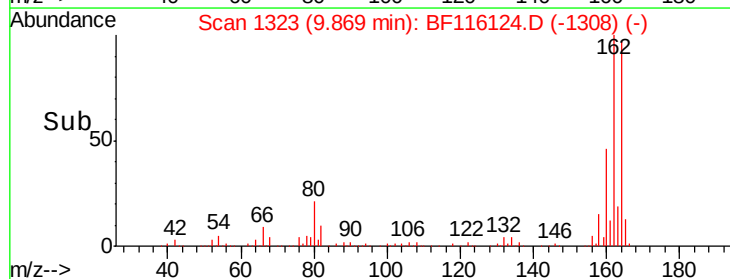
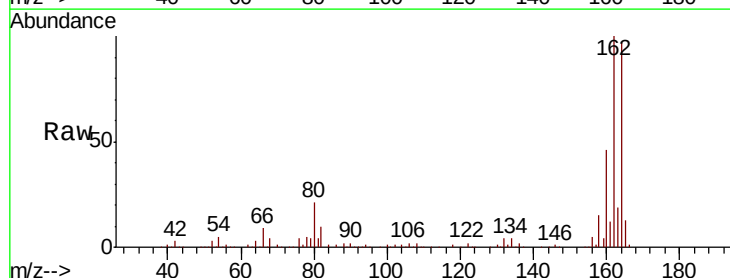
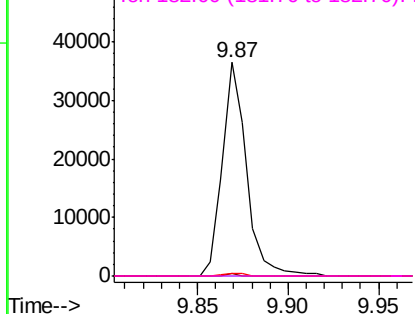
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

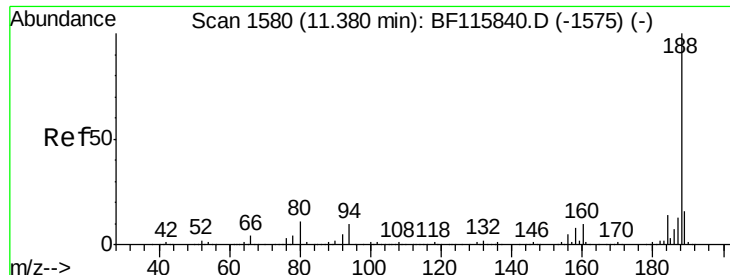


#57
 2,4-Dinitrotoluene
 Concen: 6.504 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116124.D
 Acq: 9 Aug 2019 20:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#

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

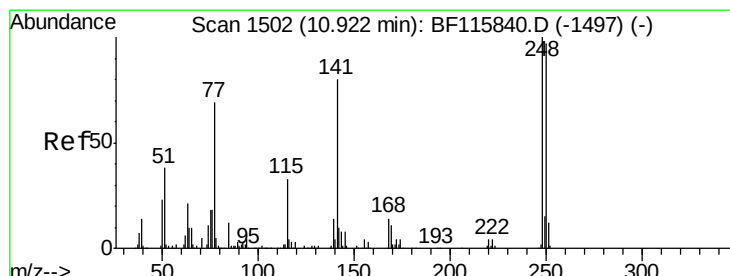
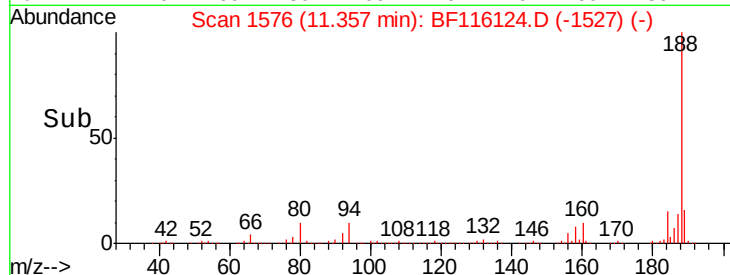
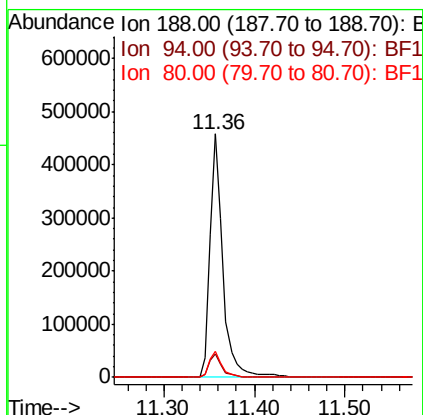
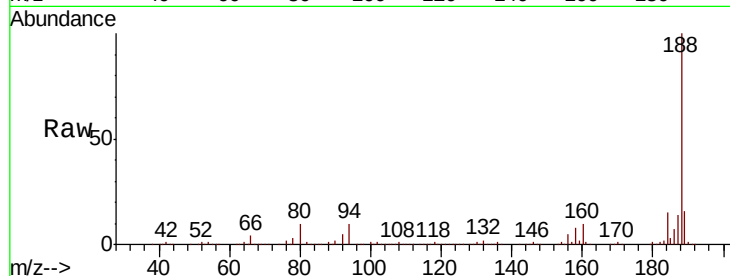




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF116124.D
 Acq: 9 Aug 2019 20:39

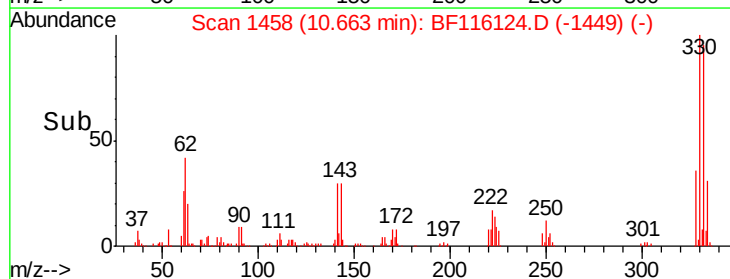
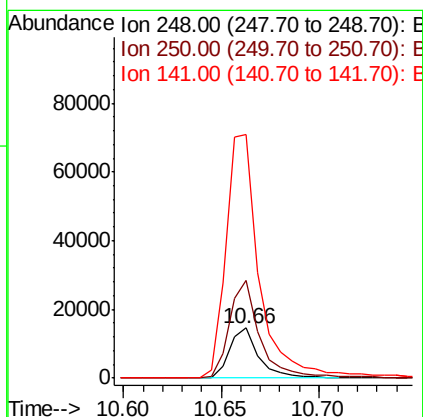
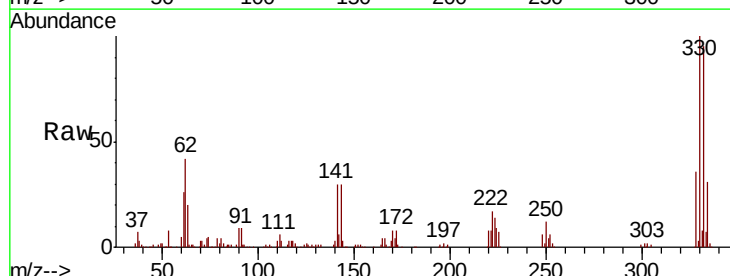
Instrument :
 BNA_F
 ClientSampleId :

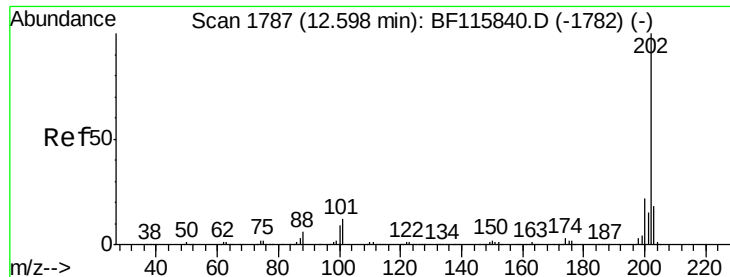
Tot Ion:188 Resp: 462315
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.1 12.1
 80 10.4 8.7 13.1



#67
 4-Bromophenyl-phenylether
 Concen: 3.081 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF116124.D
 Acq: 9 Aug 2019 20:39

Tgt Ion:248 Resp: 15246
 Ion Ratio Lower Upper
 248 100
 250 197.3 77.4 116.2#
 141 488.8 56.8 85.2#





#75

Fluoranthene

Concen: 2.072 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

Instrument :

BNA_F

ClientSampleId :

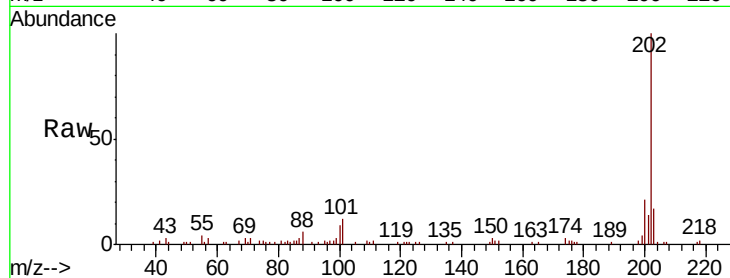
Tot Ion:202 Resp: 51268

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

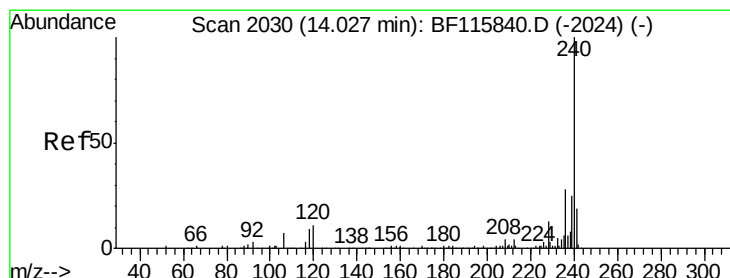
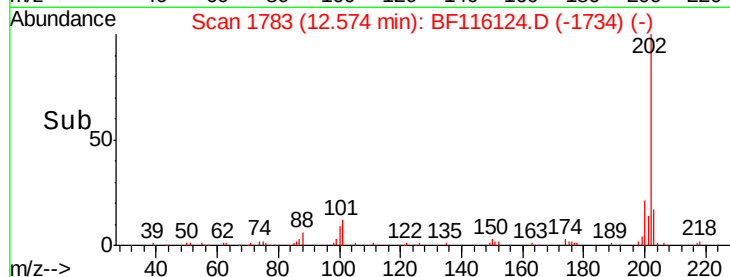
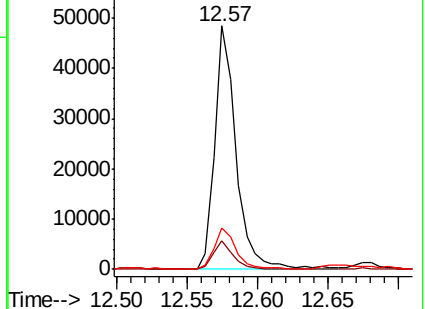
203 17.0 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

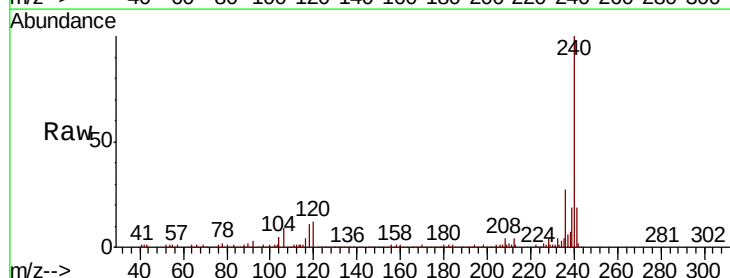
Tgt Ion:240 Resp: 305541

Ion Ratio Lower Upper

240 100

120 11.7 10.7 16.1

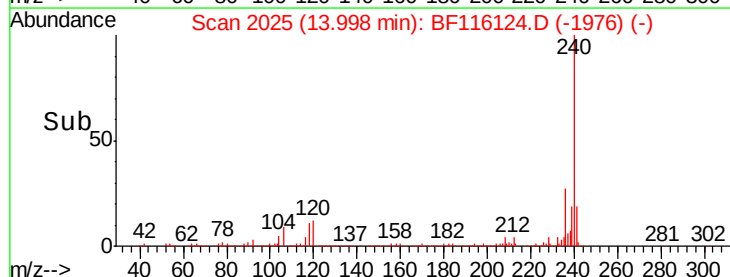
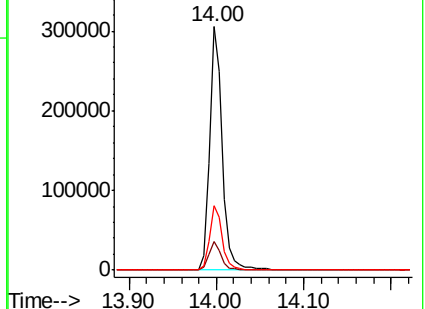
236 26.5 22.2 33.2

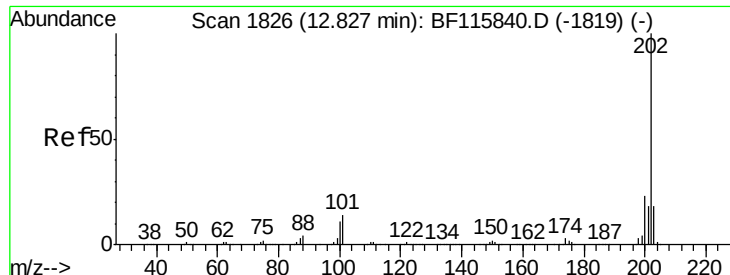


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

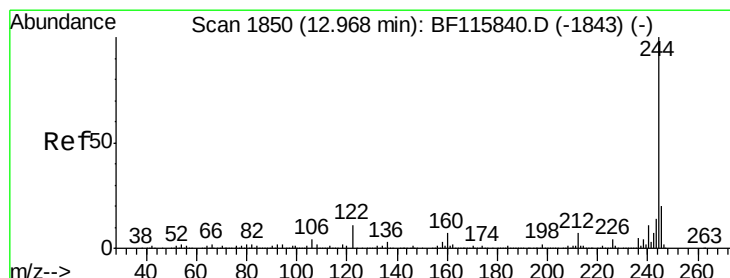
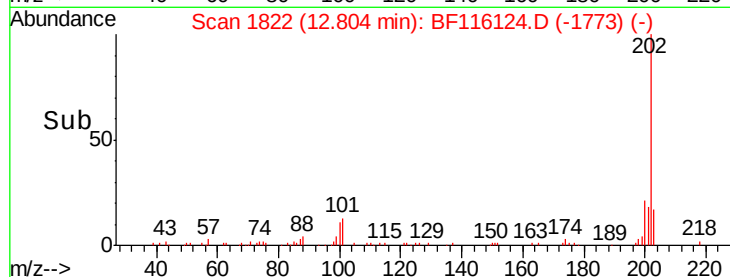
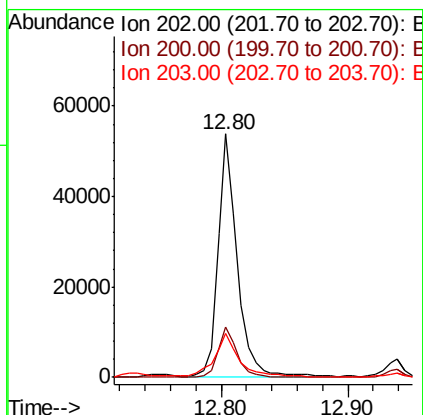
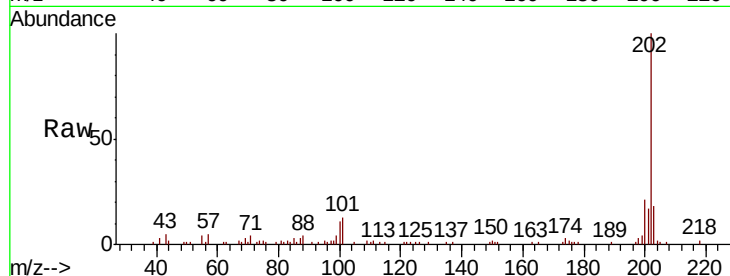




#78
Pvrene
Concen: 2.499 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

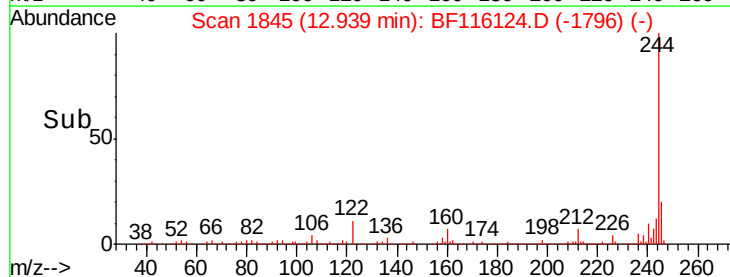
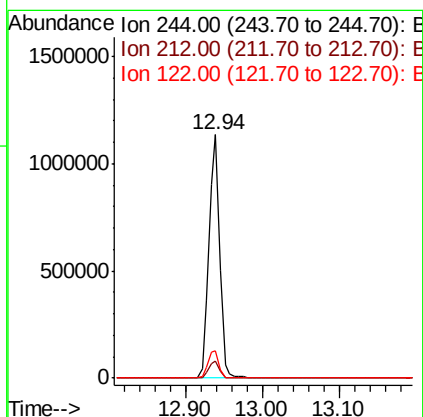
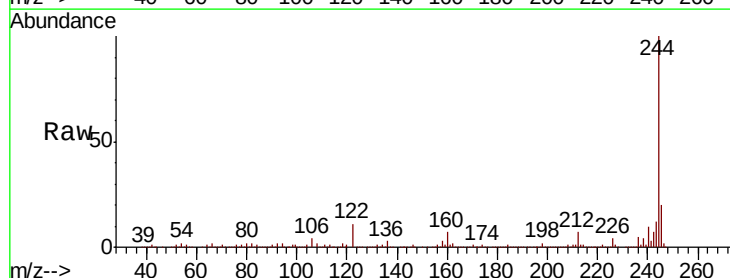
Instrument :
BNA_F
ClientSampleId :

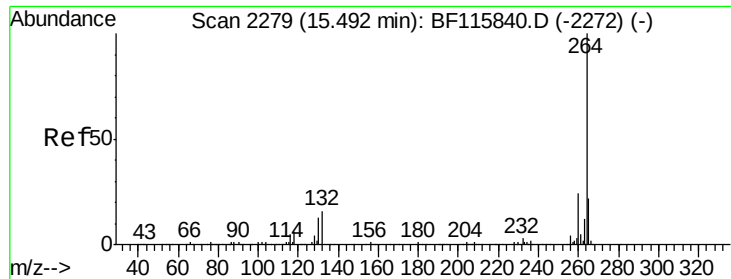
Tot Ion:202 Resp: 57560
Ion Ratio Lower Upper
202 100
200 20.8 18.0 27.0
203 17.8 14.1 21.1



#79
Terphenyl-d14
Concen: 74.898 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116124.D
Acq: 9 Aug 2019 20:39

Tgt Ion:244 Resp: 1086033
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 11.1 9.0 13.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

Instrument :

BNA_F

ClientSampleId :

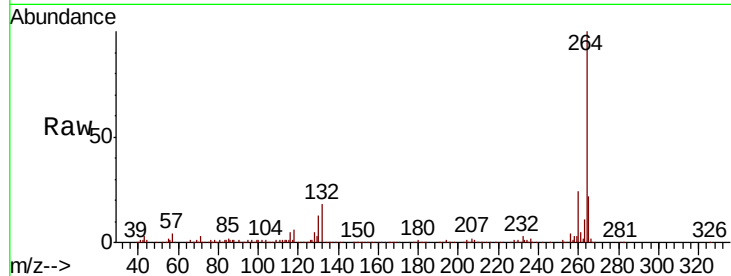
Tot Ion:264 Resp: 336483

Ion Ratio Lower Upper

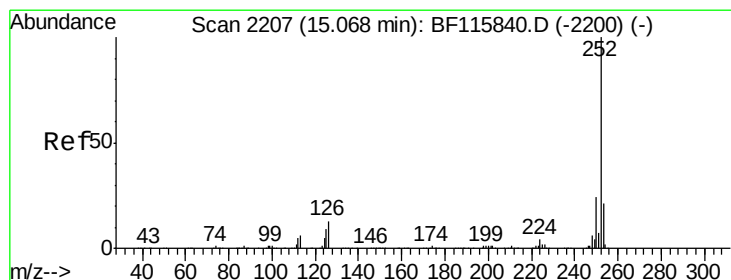
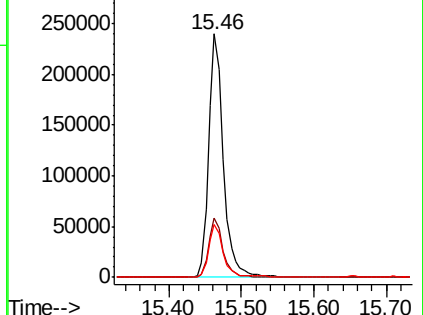
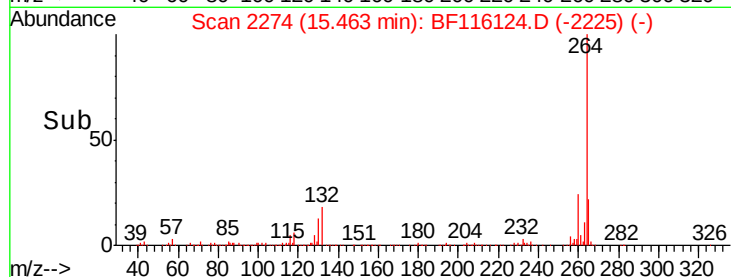
264 100

260 24.5 19.7 29.5

265 21.6 17.4 26.0



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: 3.649 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

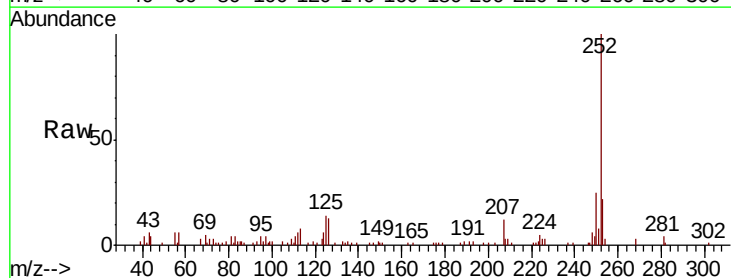
Tgt Ion:252 Resp: 71004

Ion Ratio Lower Upper

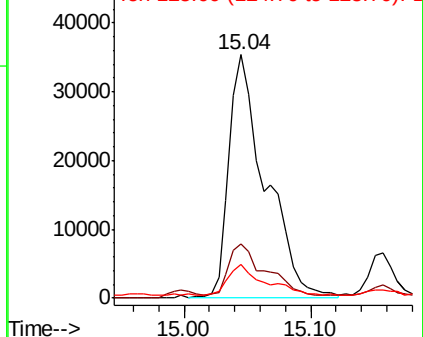
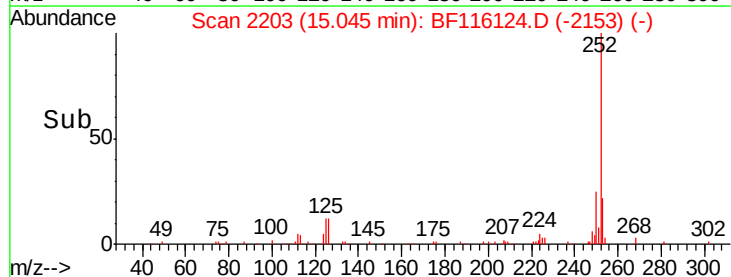
252 100

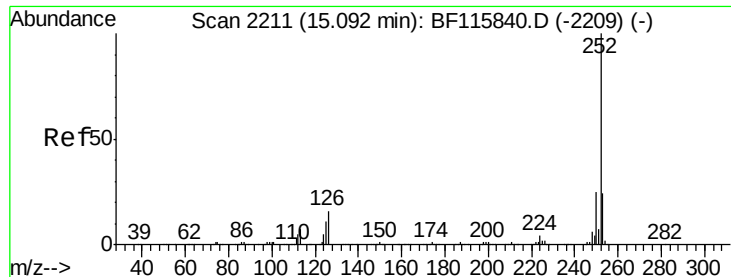
253 22.3 17.8 26.8

125 14.0 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: 3.747 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF116124.D

Acq: 9 Aug 2019 20:39

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 71004

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

125 14.0 7.7 11.5#

