

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082119\
 Data File : BF116461.D
 Acq On : 21 Aug 2019 13:14
 Operator : HP/JU
 Sample : K4421-11 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 16:15:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	88080	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	362236	20.00	ng	-0.02
39) Acenaphthene-d10	9.83	164	193610	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	330910	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	234301	20.00	ng	-0.02
87) Perylene-d12	15.42	264	248105	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	75845	14.42	ng	0.00
7) Phenol-d6	6.46	99	123476	18.60	ng	0.00
23) Nitrobenzene-d5	7.37	82	74954	11.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	21820	11.62	ng	-0.02
45) 2-Fluorobiphenyl	9.15	172	153340	14.83	ng	-0.02
79) Terphenyl-d14	12.89	244	149368	13.43	ng	-0.02

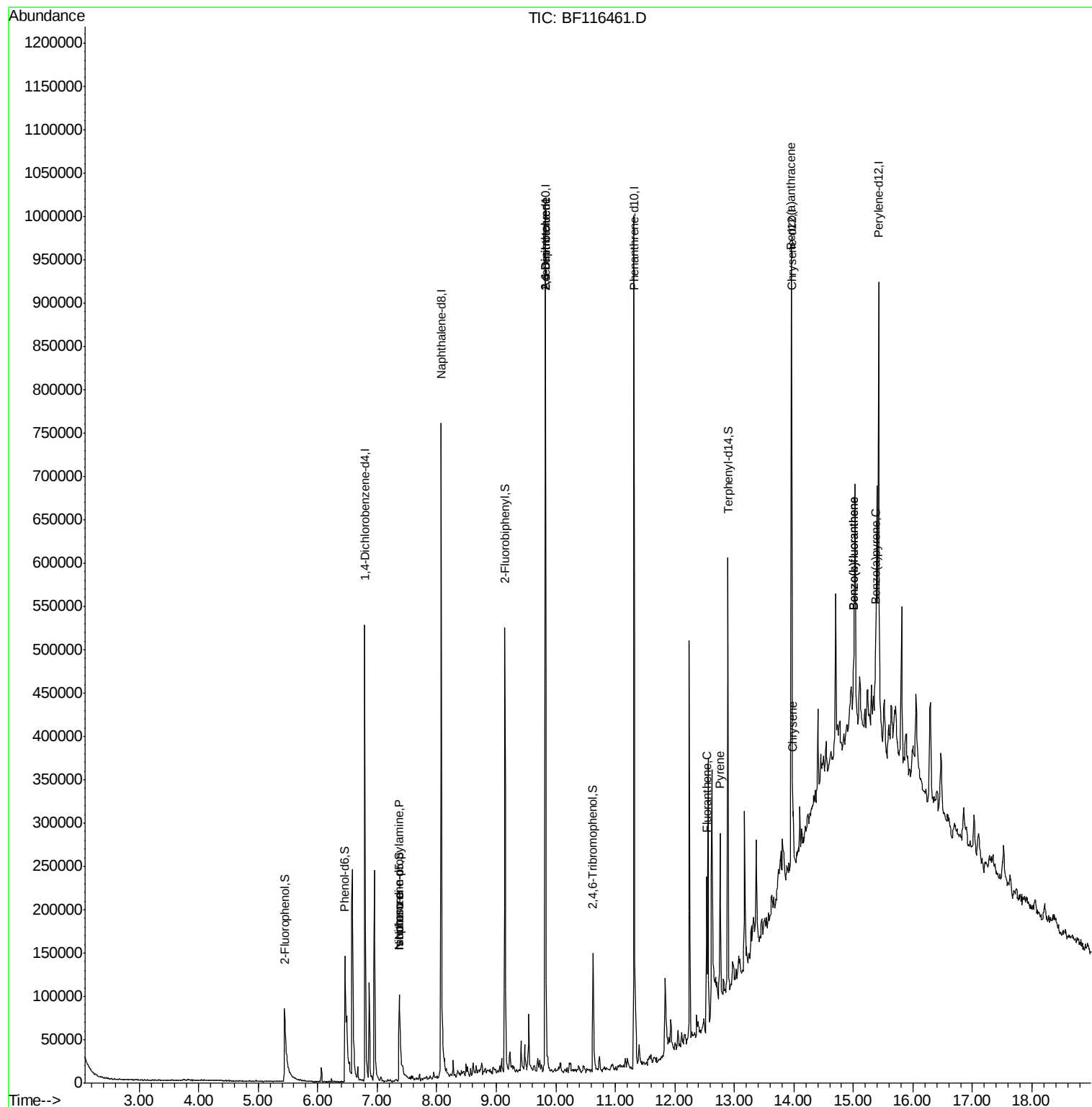
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	9571	2.327	ng	# 84
25) Isophorone	7.37	82	74954	6.246	ng	# 65
51) 2,6-Dinitrotoluene	9.83	165	24788	8.653	ng	# 28
57) 2,4-Dinitrotoluene	9.83	165	24788	6.499	ng	# 20
75) Fluoranthene	12.53	202	66333	3.745	ng	99
78) Pyrene	12.76	202	73537	4.164	ng	98
81) Benzo(a)anthracene	13.95	228	32687	2.183	ng	96
83) Chrysene	13.99	228	32658	2.246	ng	95
88) Benzo(b)fluoranthene	15.00	252	54826	3.822	ng	# 88
89) Benzo(k)fluoranthene	15.00	252	54826	3.924	ng	# 88
90) Benzo(a)pyrene	15.37	252	26006	2.028	ng	# 83

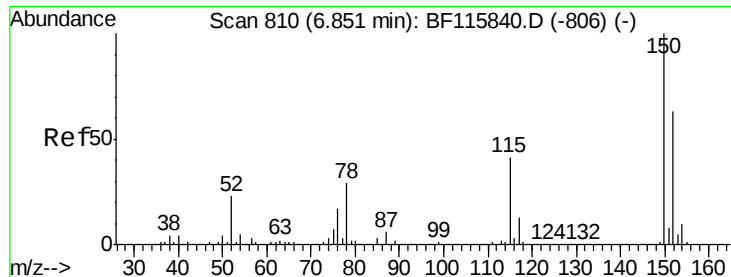
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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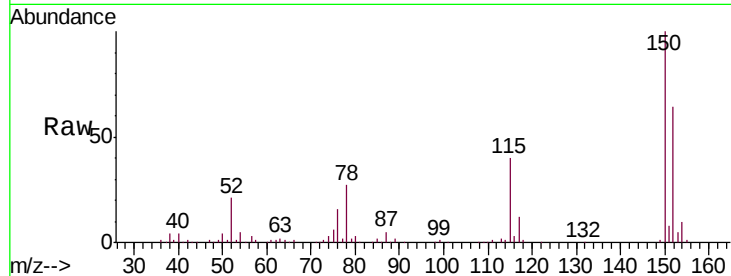


#1

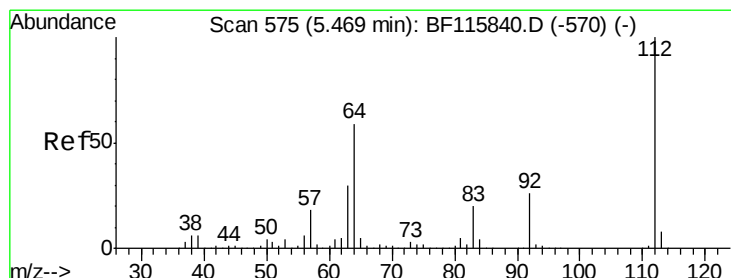
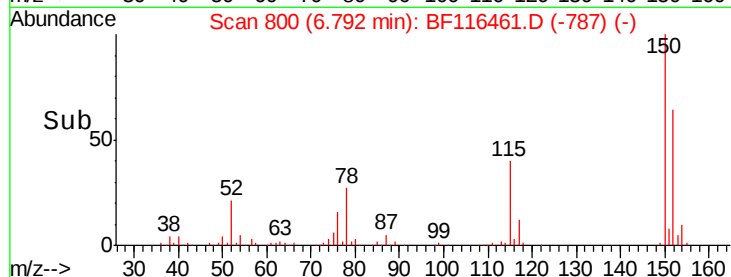
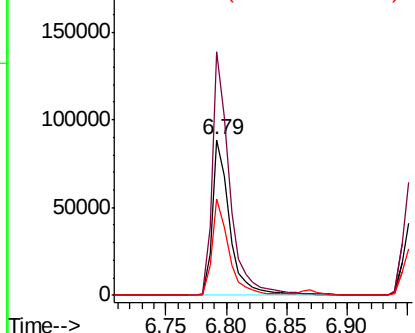
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.02 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 88080
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.2 189.2
 115 62.0 49.9 74.9



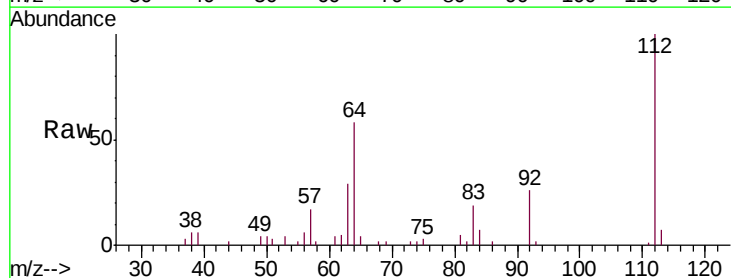
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



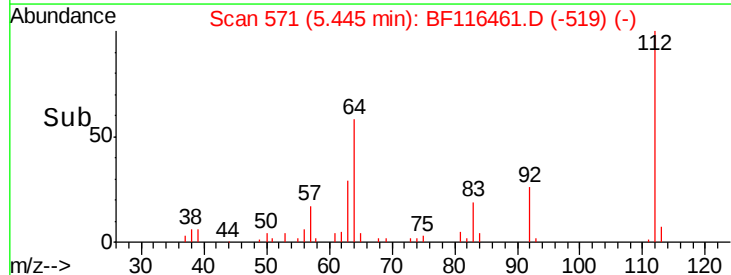
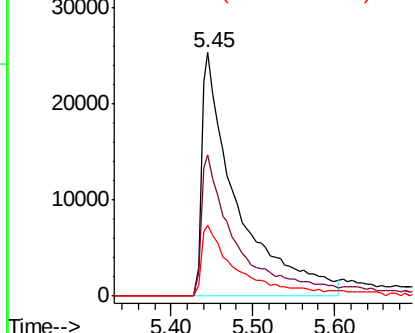
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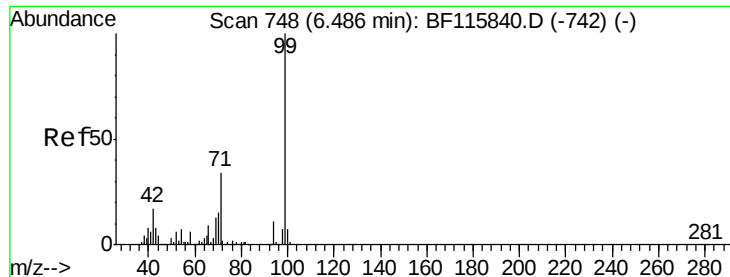
2-Fluorophenol
 Concen: 14.415 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Tgt Ion:112 Resp: 75845
 Ion Ratio Lower Upper
 112 100
 64 58.1 45.4 68.2
 63 29.1 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: 18.601 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

Instrument :

BNA_F

ClientSampleId :

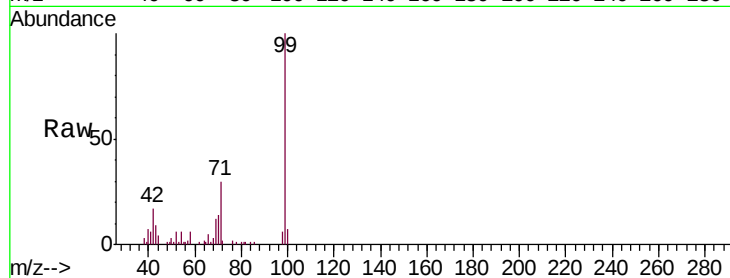
Tot Ion: 99 Resp: 123476

Ion Ratio Lower Upper

99 100

42 16.8 13.8 20.8

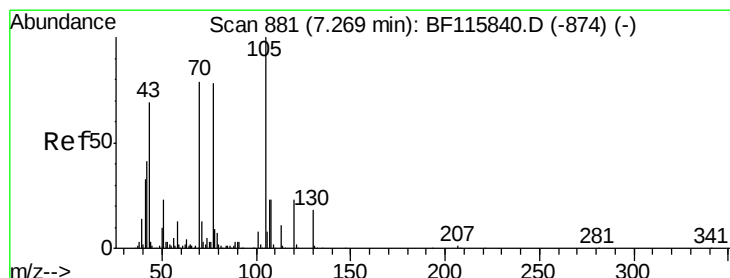
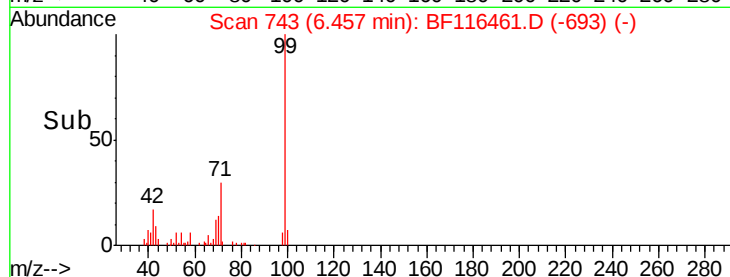
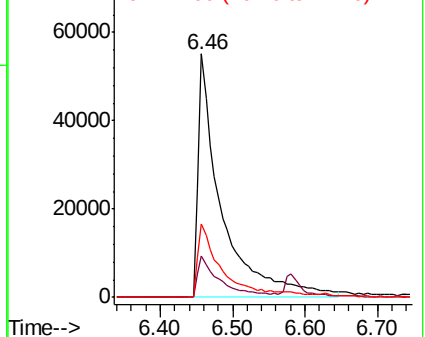
71 30.2 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.327 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

Tgt Ion: 70 Resp: 9571

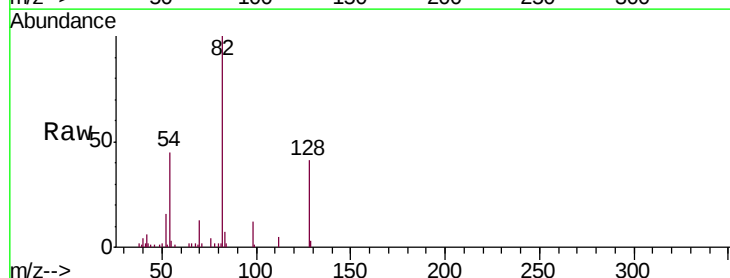
Ion Ratio Lower Upper

70 100

42 49.6 40.9 61.3

101 0.0 7.9 11.9#

130 0.0 16.9 25.3#

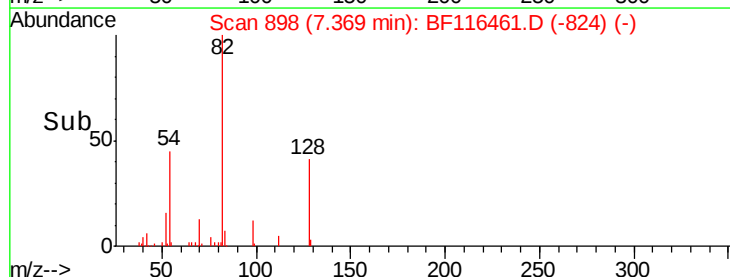
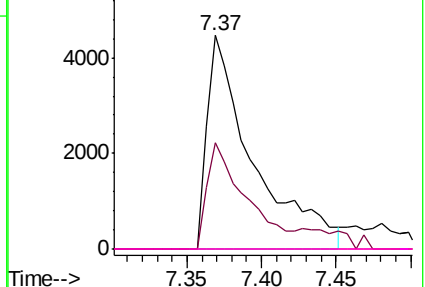


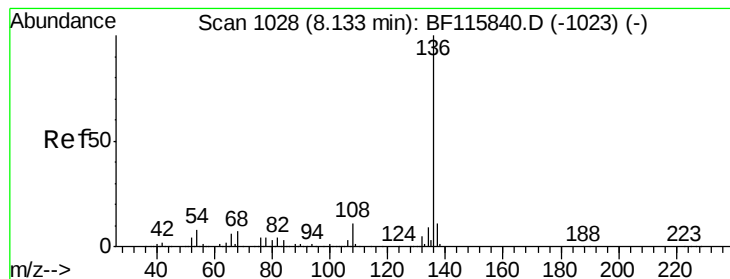
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.02 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 362236

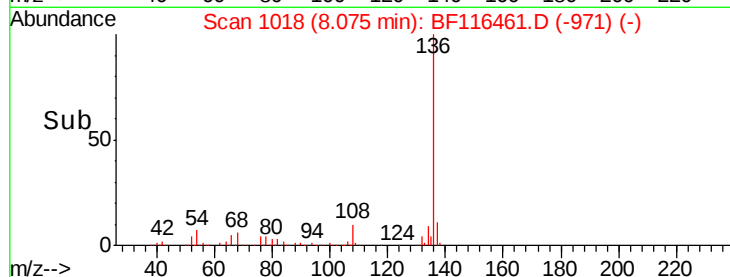
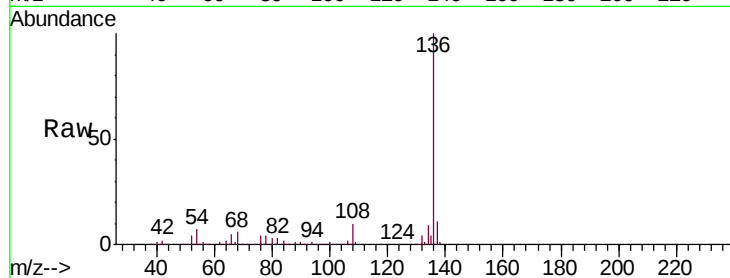
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.9 5.8 8.6

68 6.5 5.2 7.8

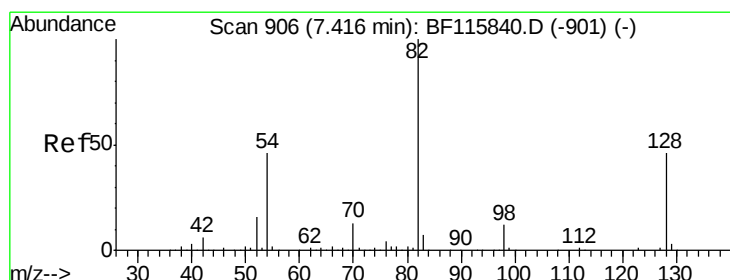
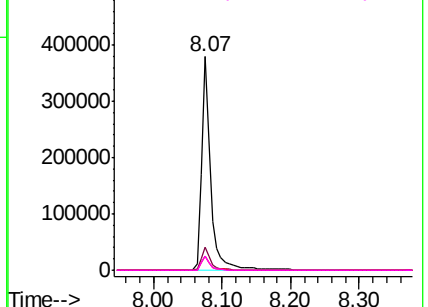


Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.944 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.02 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

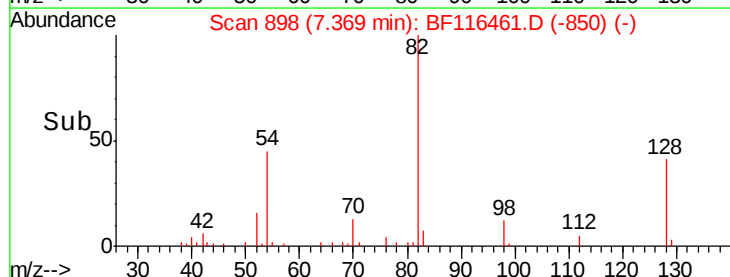
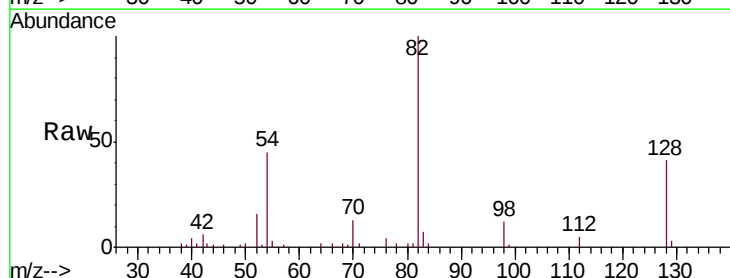
Tgt Ion: 82 Resp: 74954

Ion Ratio Lower Upper

82 100

128 41.4 36.5 54.7

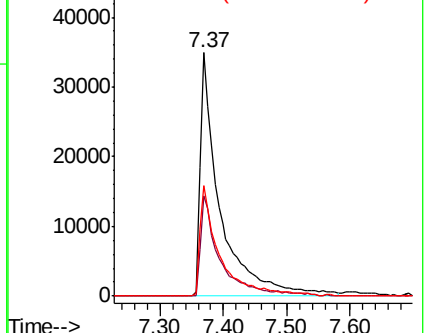
54 45.2 36.0 54.0

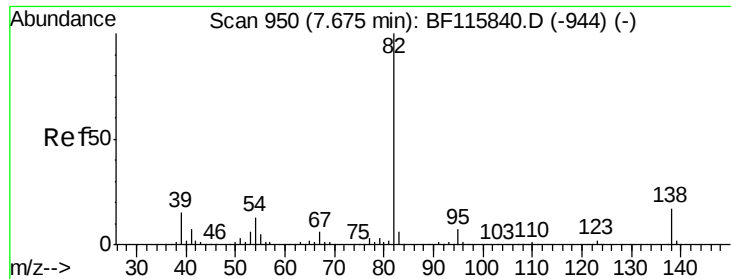


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

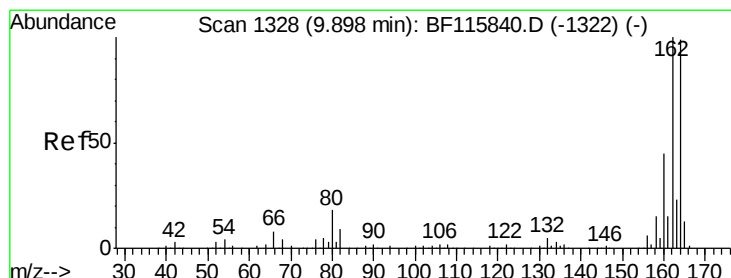
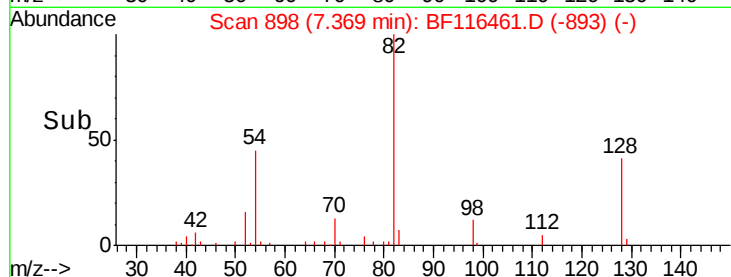
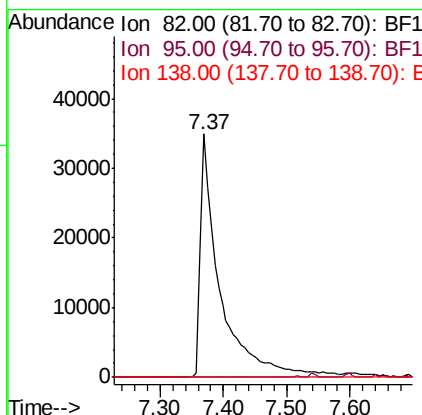
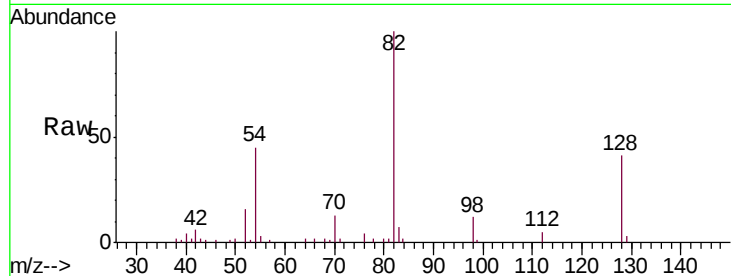




#25
Isophorone
Concen: 6.246 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

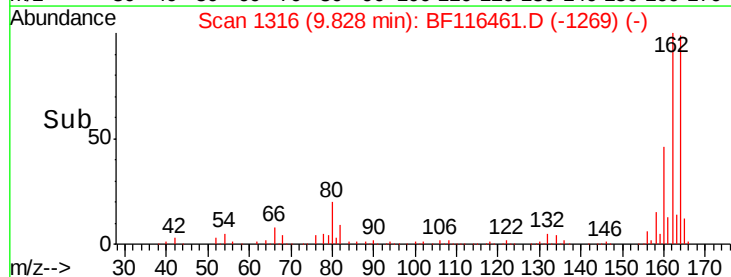
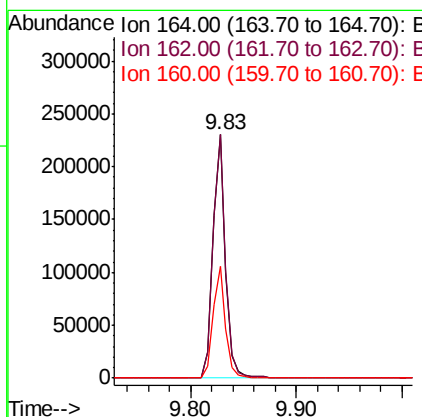
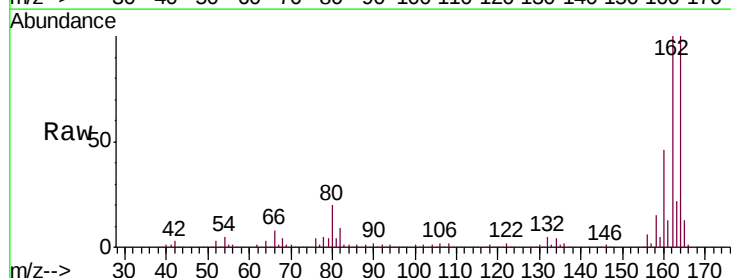
Instrument :
BNA_F
ClientSampleId :

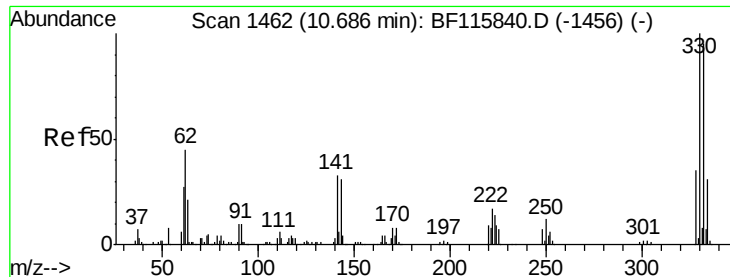
Tot Ion: 82 Resp: 74954
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

Tgt Ion: 164 Resp: 193610
Ion Ratio Lower Upper
164 100
162 100.0 82.6 124.0
160 45.7 37.6 56.4

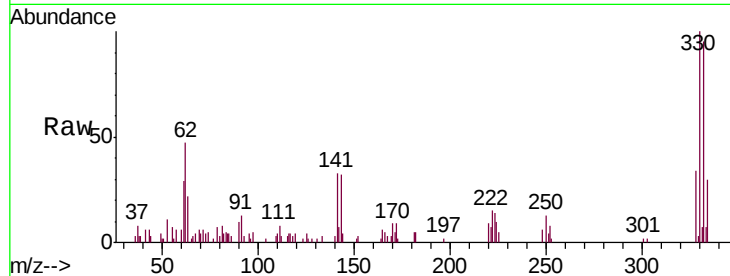




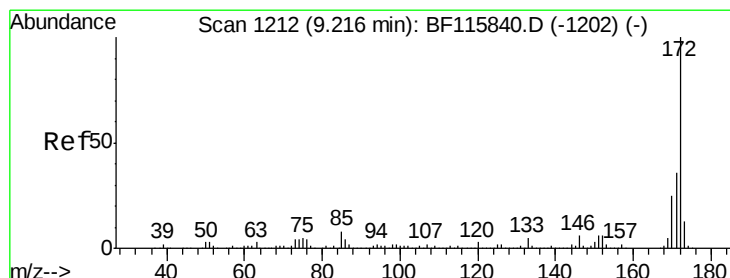
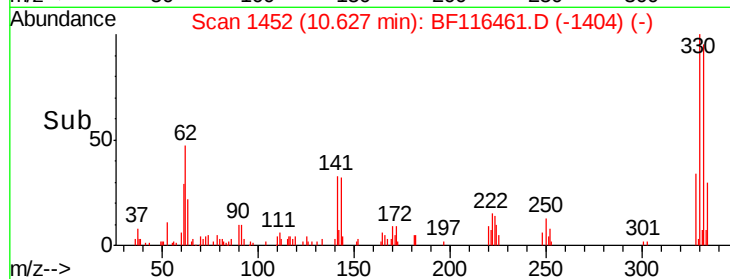
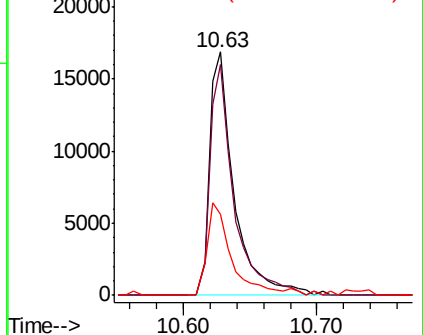
#42
 2,4,6-Tribromophenol
 Concen: 11.624 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 21820
 Ion Ratio Lower Upper
 330 100
 332 92.4 76.8 115.2
 141 38.4 26.3 39.5

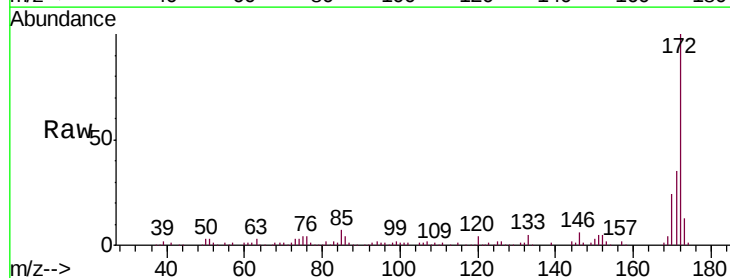


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

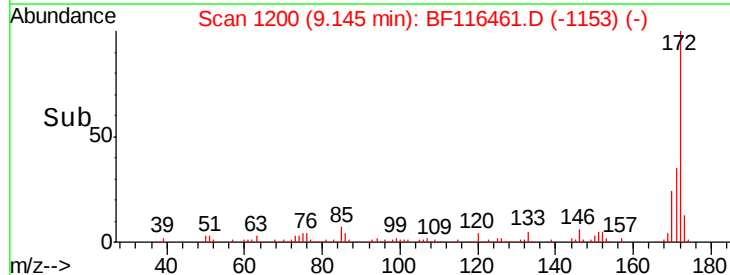
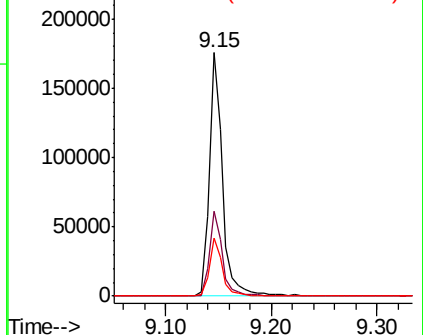


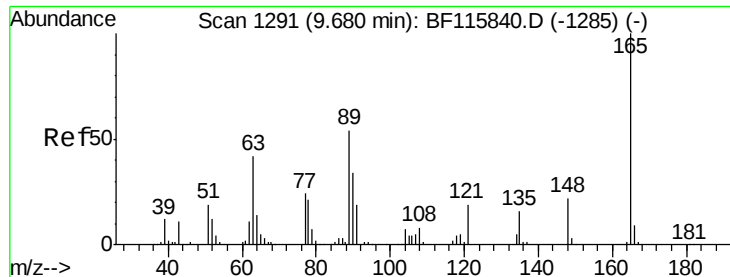
#45
 2-Fluorobiphenyl
 Concen: 14.835 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Tgt Ion:172 Resp: 153340
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.6 44.4
 170 23.6 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

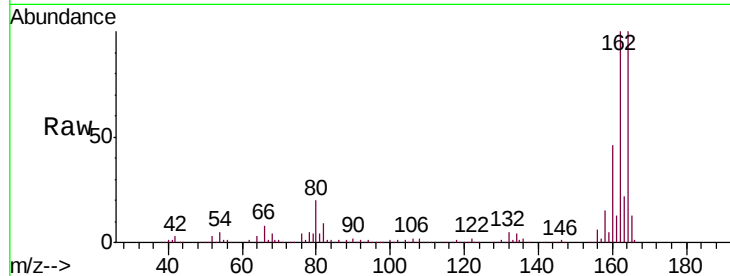




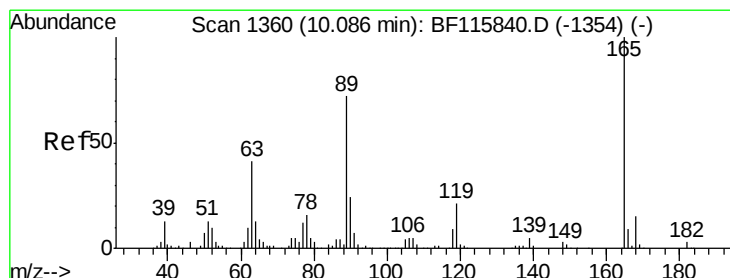
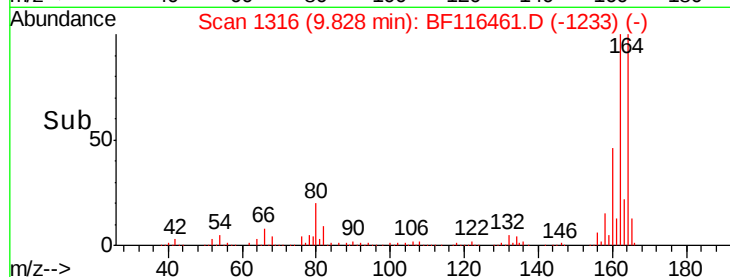
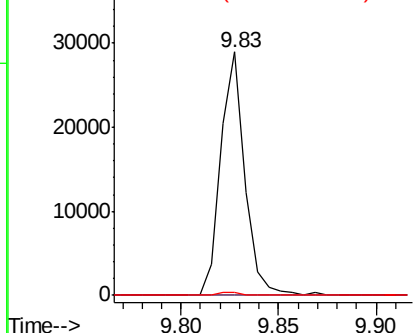
#51
 2,6-Dinitrotoluene
 Concen: 8.653 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	38.2	57.2#
89	1.3	42.9	64.3#

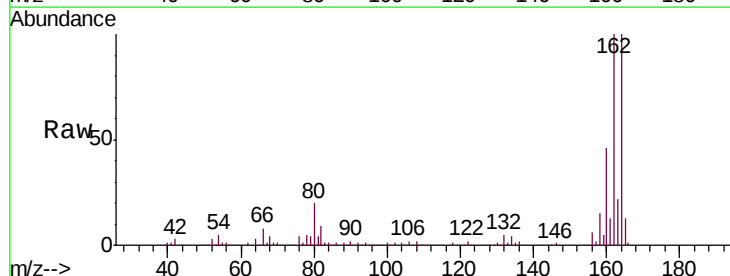


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

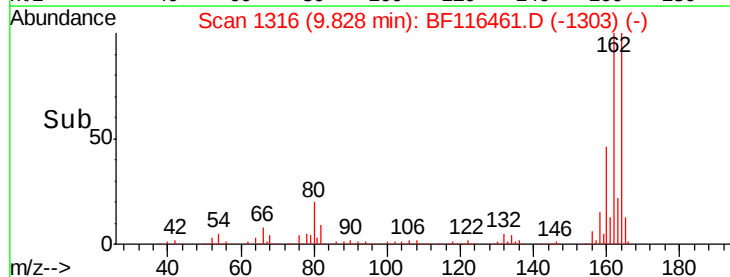
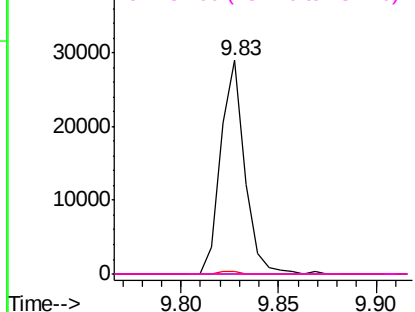


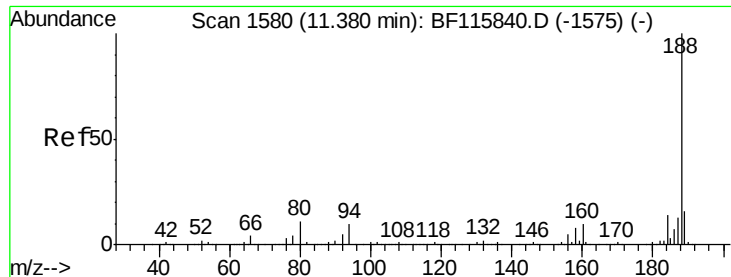
#57
 2,4-Dinitrotoluene
 Concen: 6.499 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.22 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.6	59.4#
89	1.3	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

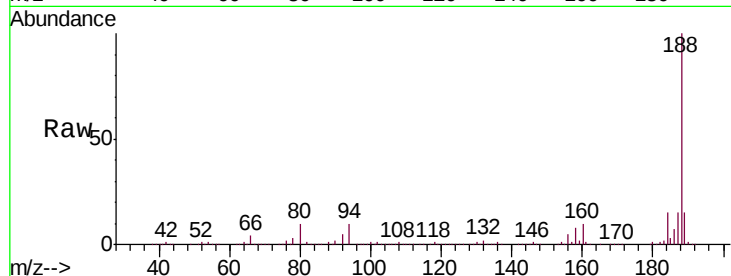




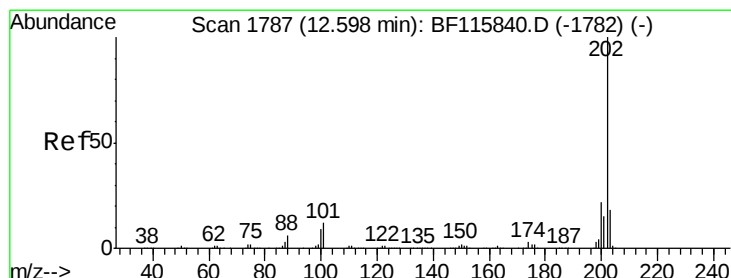
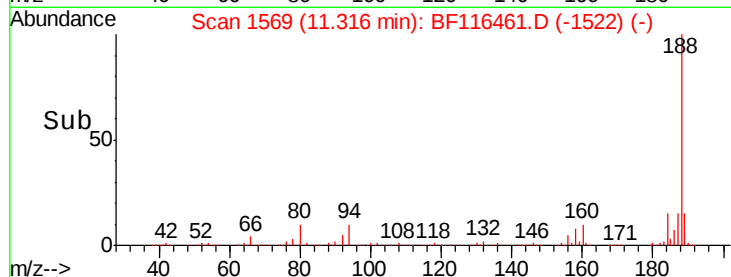
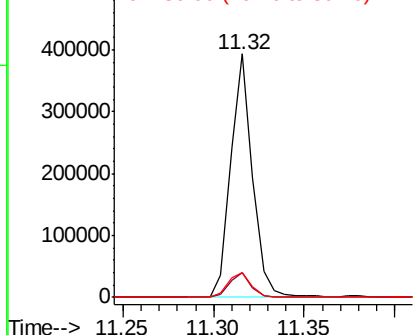
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 330910
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 10.3 8.7 13.1

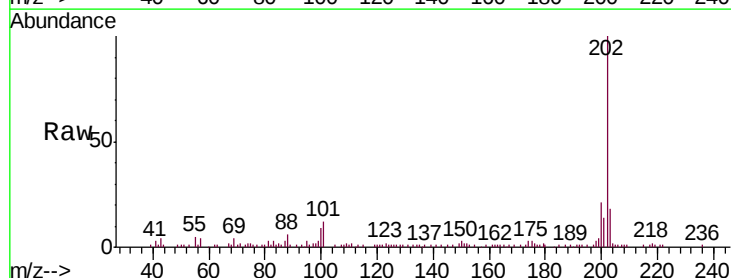


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

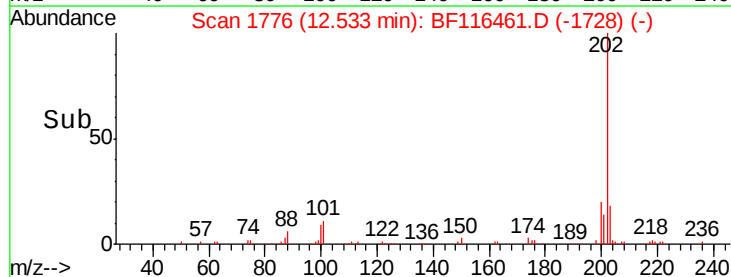
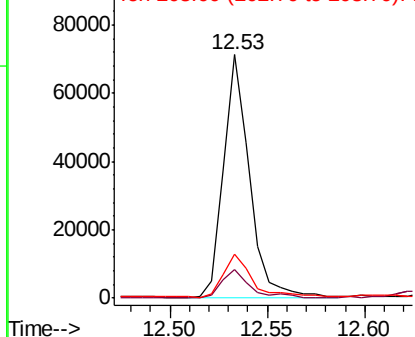


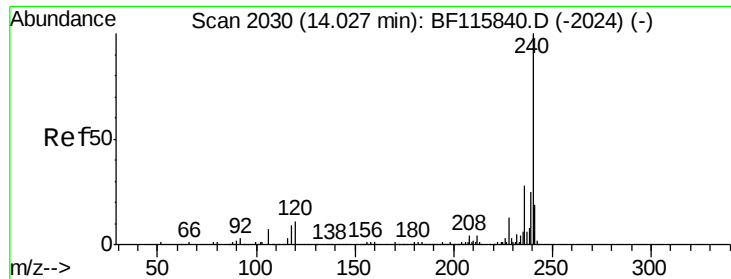
#75
Fluoranthene
Concen: 3.745 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

Tgt Ion:202 Resp: 66333
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.2
203 18.0 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

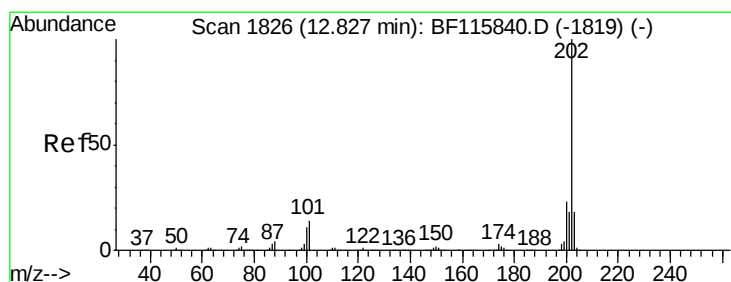
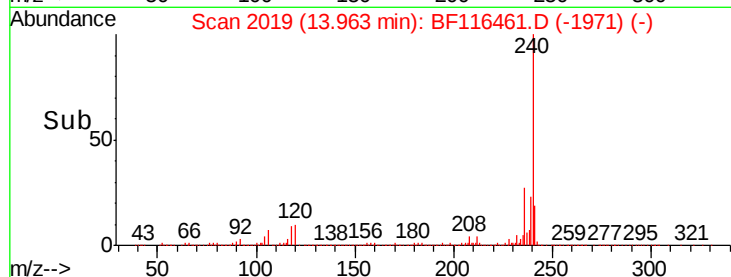
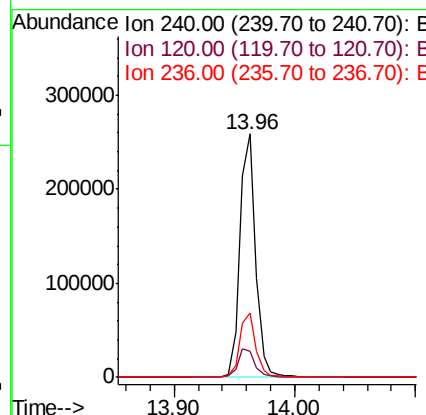
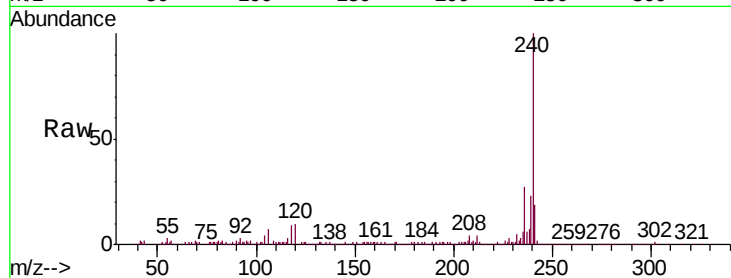




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

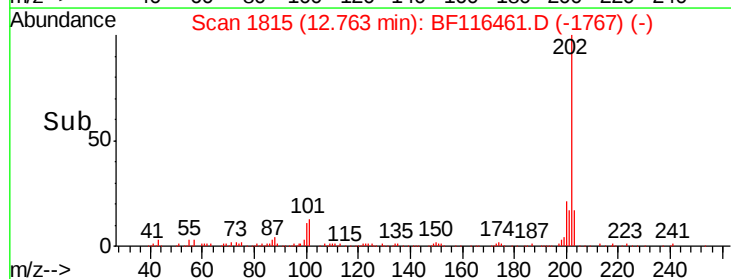
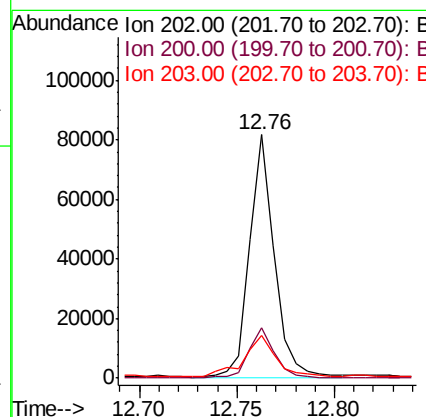
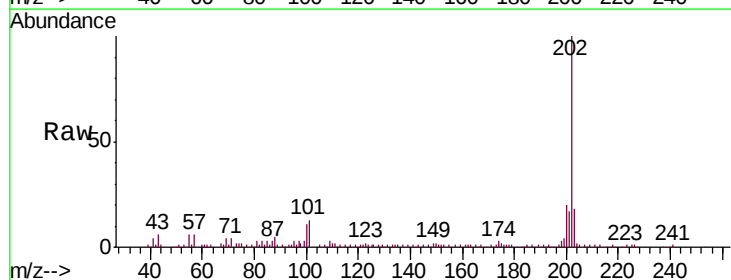
Instrument :
BNA_F
ClientSampleId :

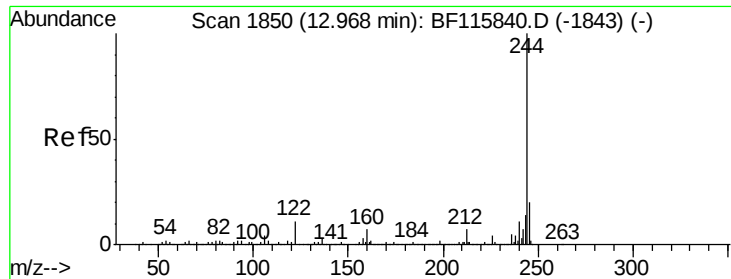
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.7	16.1#
236	26.7	22.2	33.2



#78
Pyrene
Concen: 4.164 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	18.0	27.0
203	17.6	14.1	21.1

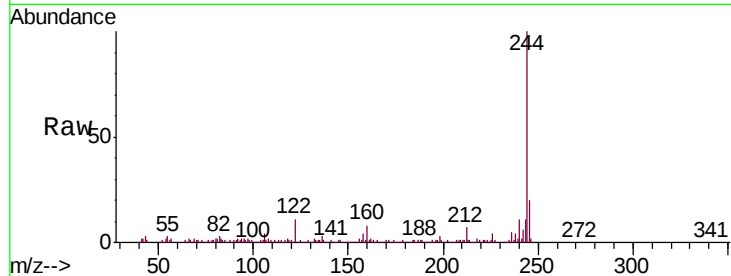




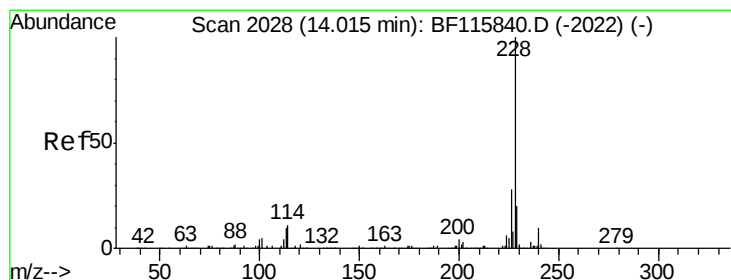
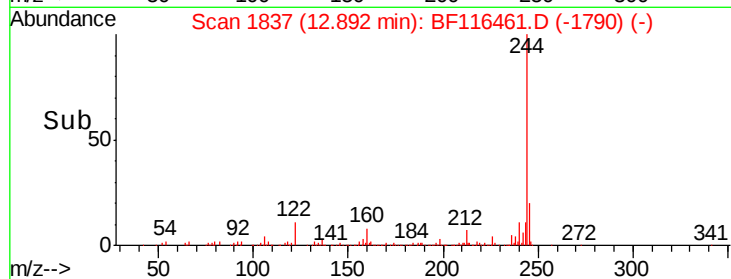
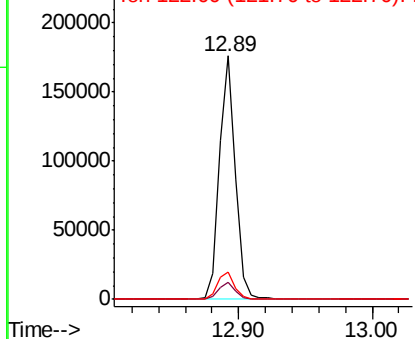
#79
 Terphenyl-d14
 Concen: 13.433 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.02 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.2	9.0	13.4

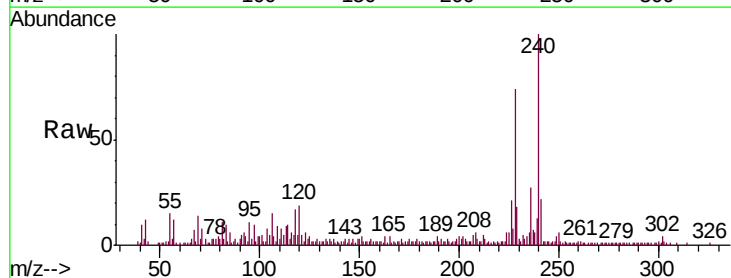


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

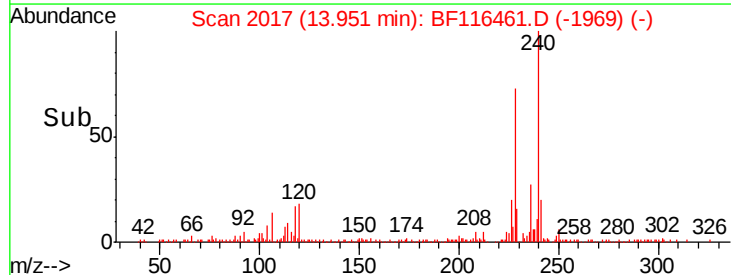
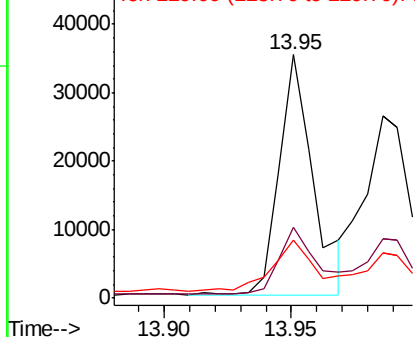


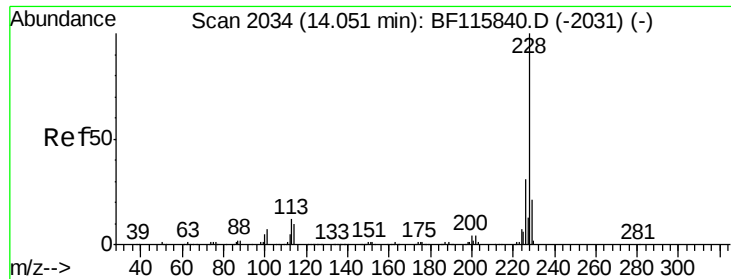
#81
 Benzo(a)anthracene
 Concen: 2.183 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF116461.D
 Acq: 21 Aug 2019 13:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.7	34.1
229	23.9	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

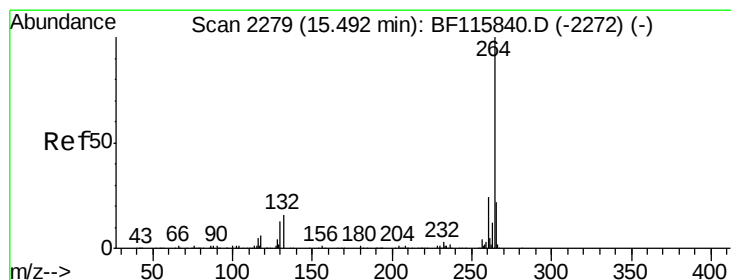
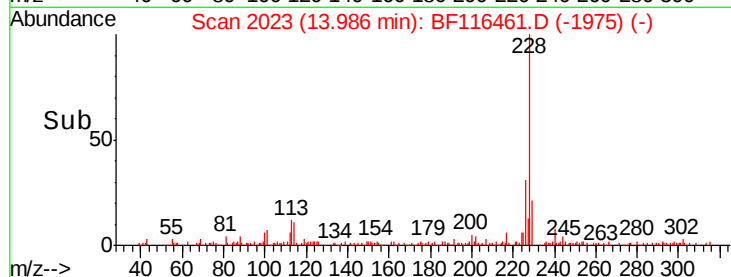
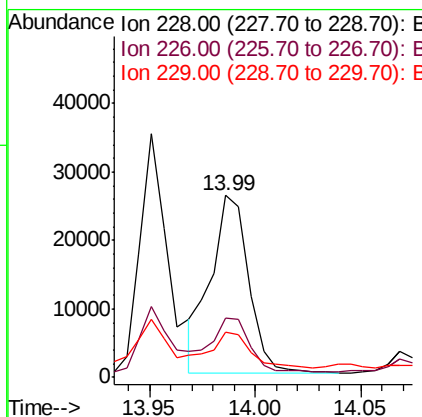
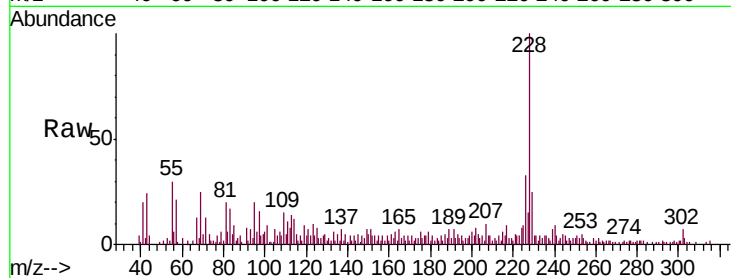




#83
Chrysene
Concen: 2.246 ng
RT: 13.99 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

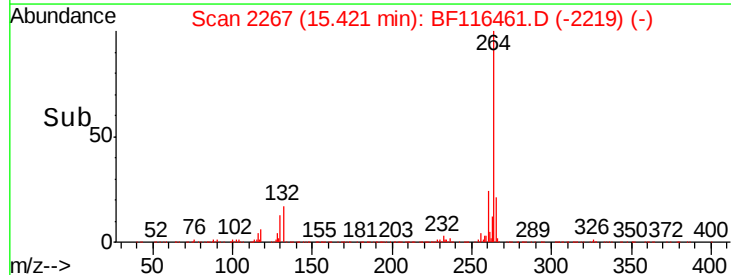
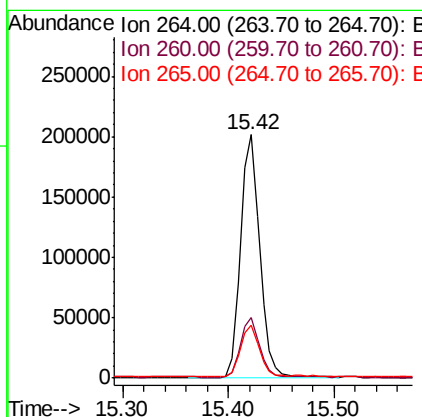
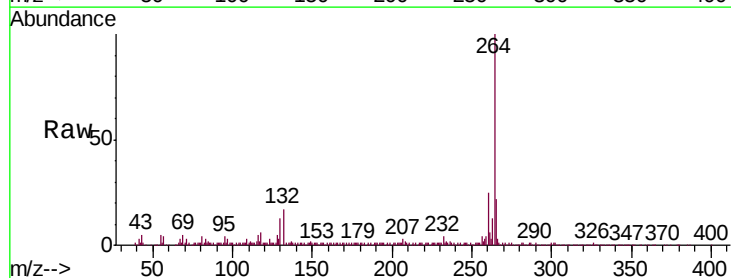
Instrument :
BNA_F
ClientSampled :

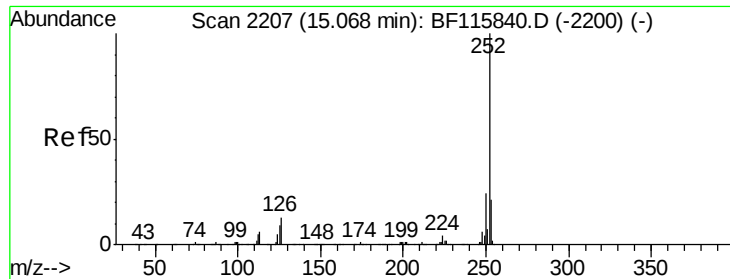
Tot Ion:228 Resp: 32658
Ion Ratio Lower Upper
228 100
226 32.9 25.5 38.3
229 24.8 16.6 24.8



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116461.D
Acq: 21 Aug 2019 13:14

Tgt Ion:264 Resp: 248105
Ion Ratio Lower Upper
264 100
260 24.9 19.7 29.5
265 21.7 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 3.822 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.01 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

Instrument :

BNA_F

ClientSampleId :

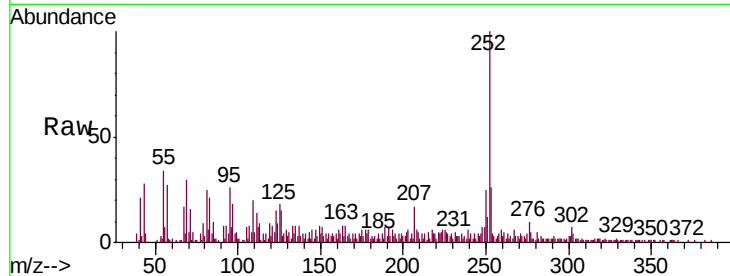
Tot Ion:252 Resp: 54826

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.8

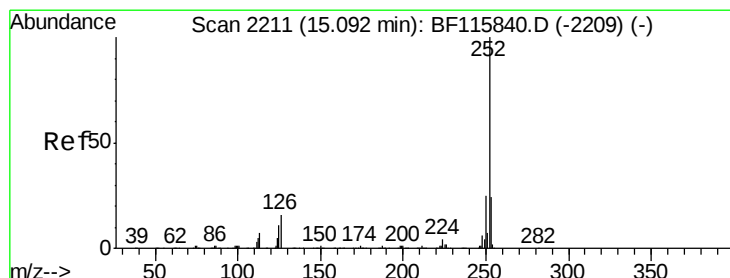
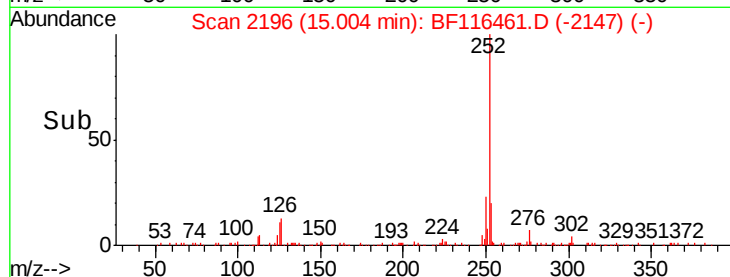
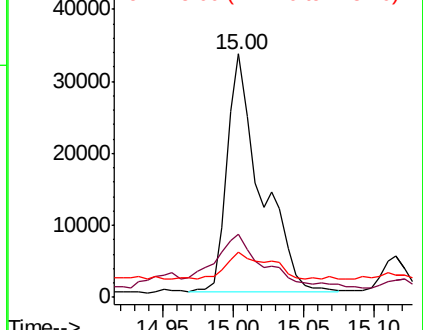
125 18.4 8.4 12.6#



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: 3.924 ng

RT: 15.00 min Scan# 2196

Delta R.T. -0.04 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

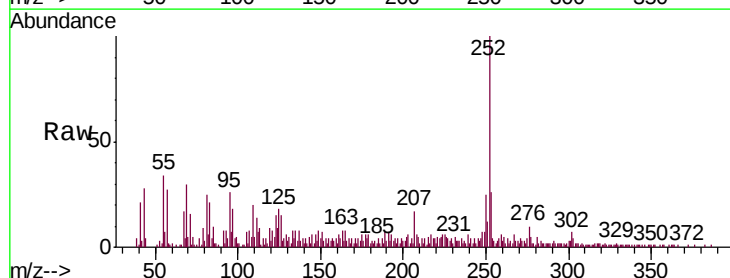
Tgt Ion:252 Resp: 54826

Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.8

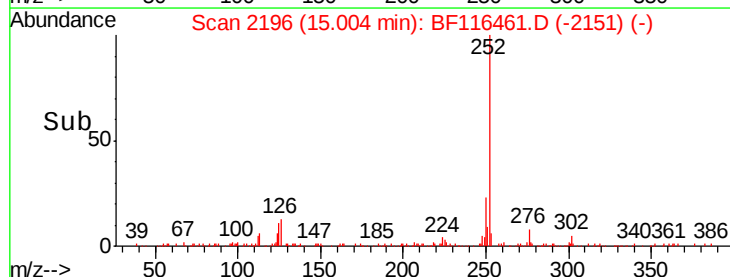
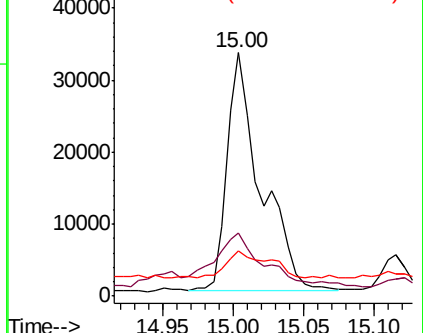
125 18.4 7.7 11.5#

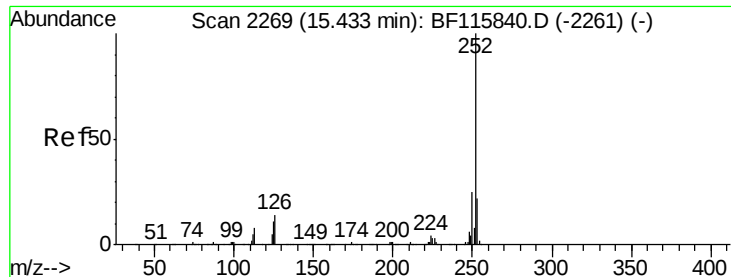


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.028 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.01 min

Lab File: BF116461.D

Acq: 21 Aug 2019 13:14

Instrument :

BNA_F

ClientSampleId :

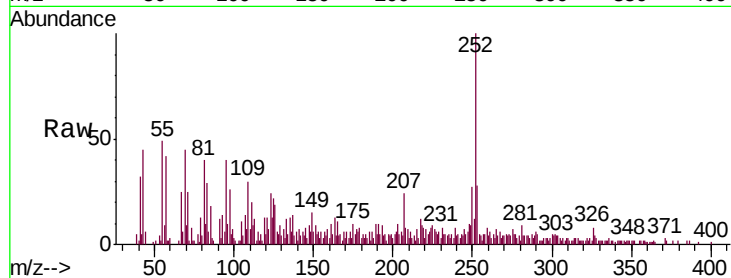
Tot Ion: 252 Resp: 26006

Ion Ratio Lower Upper

252 100

253 28.2 18.0 27.0#

125 22.1 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

