

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081019\
 Data File : BF116161.D
 Acq On : 10 Aug 2019 20:48
 Operator : HP/JU
 Sample : K4245-03 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 12 00:58:34 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

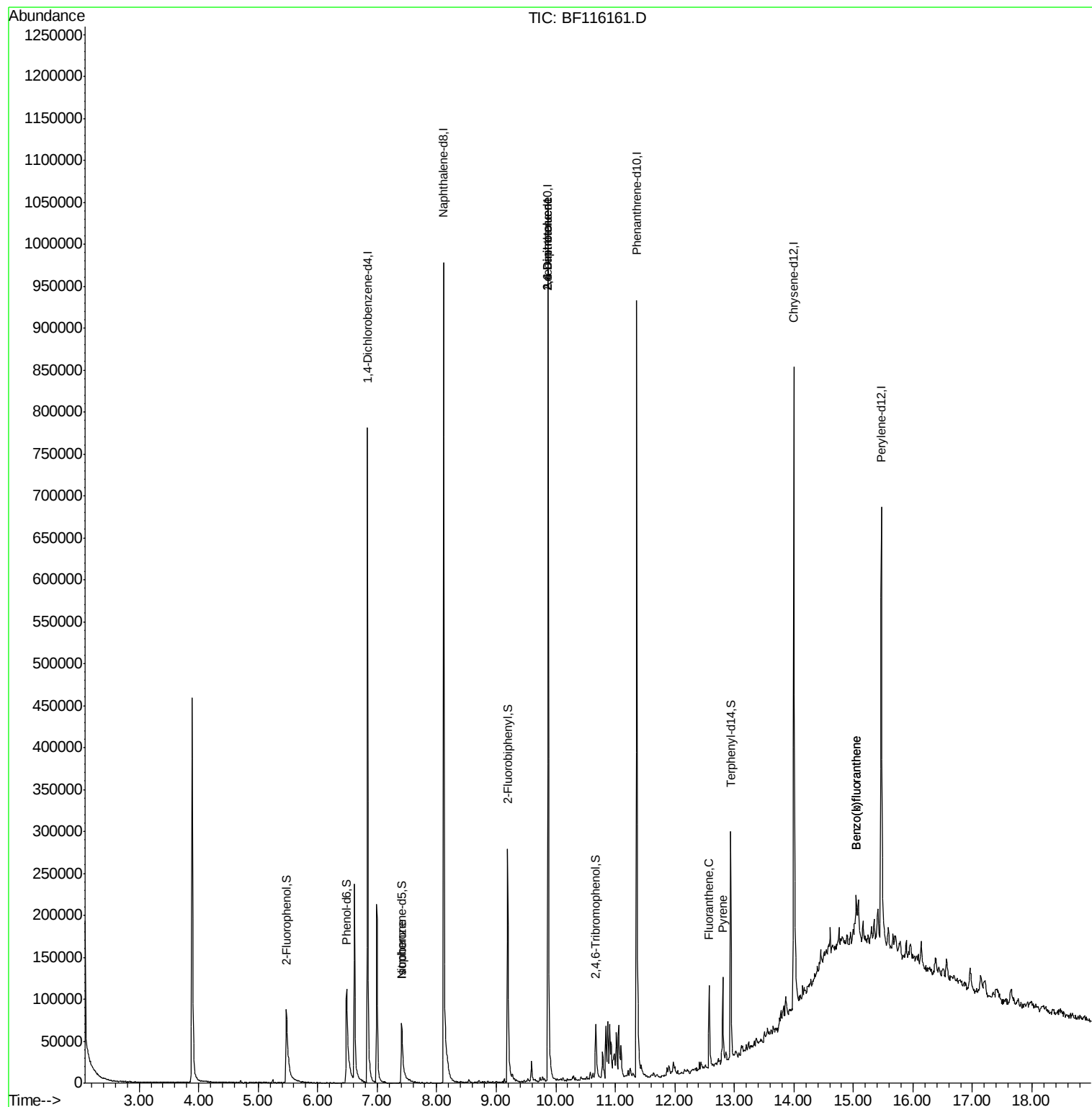
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	136361	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	551637	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	262204	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	391426	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	285219	20.00	ng	0.00
87) Perylene-d12	15.47	264	264435	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	73493	9.02	ng	0.00
7) Phenol-d6	6.49	99	103106	10.03	ng	0.00
23) Nitrobenzene-d5	7.41	82	60540	6.33	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	13712	5.39	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	128088	9.15	ng	-0.01
79) Terphenyl-d14	12.94	244	103461	7.64	ng	-0.01
Target Compounds						
25) Isophorone	7.41	82	60540	3.313	ng	# 65
51) 2,6-Dinitrotoluene	9.87	165	33567	8.652	ng	# 29
57) 2,4-Dinitrotoluene	9.87	165	33856	6.554	ng	# 20
75) Fluoranthene	12.57	202	48810	2.330	ng	99
78) Pyrene	12.80	202	45847	2.132	ng	98
88) Benzo(b)fluoranthene	15.04	252	33805	2.211	ng	# 76
89) Benzo(k)fluoranthene	15.04	252	33805	2.270	ng	# 75

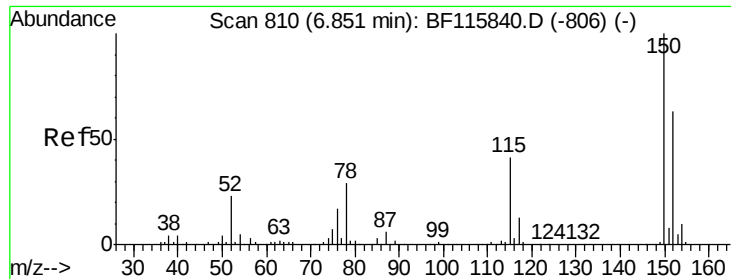
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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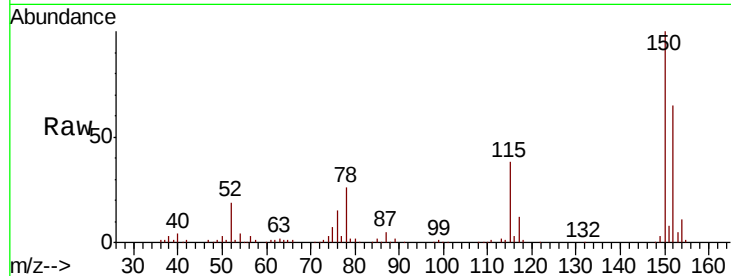


#1

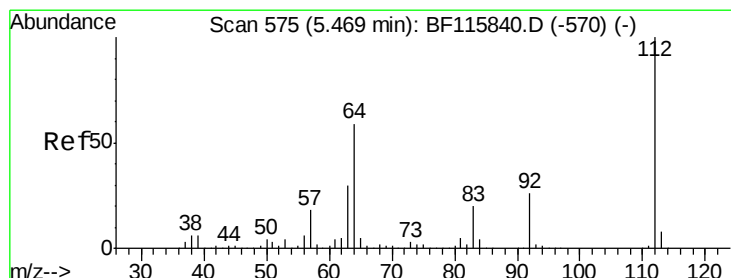
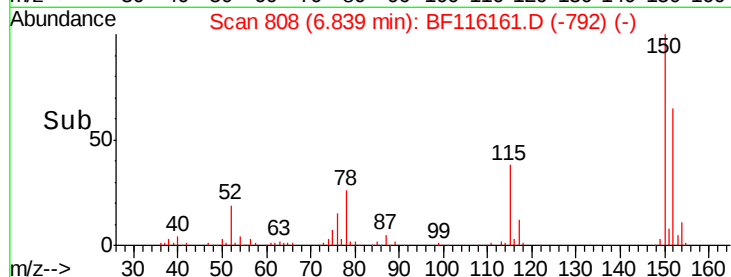
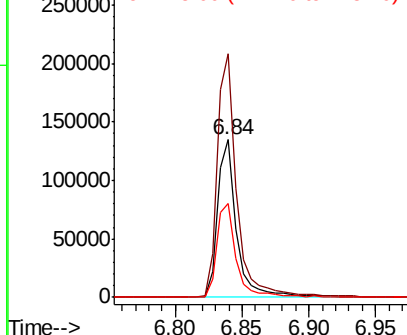
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116161.D
Acq: 10 Aug 2019 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 136361
Ion Ratio Lower Upper
152 100
150 154.5 126.2 189.2
115 59.4 49.9 74.9



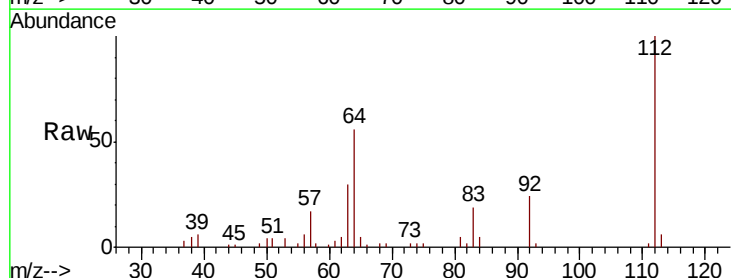
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



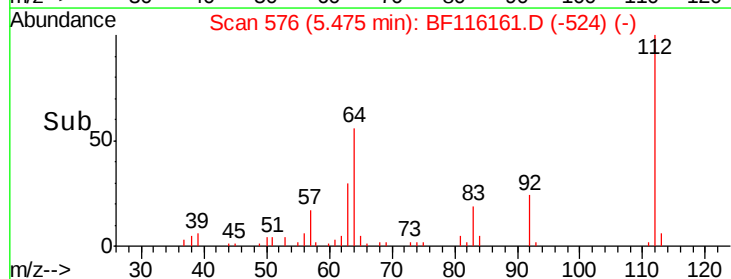
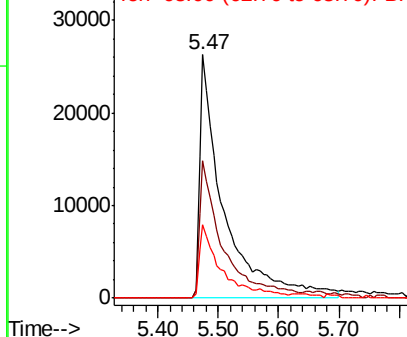
#5

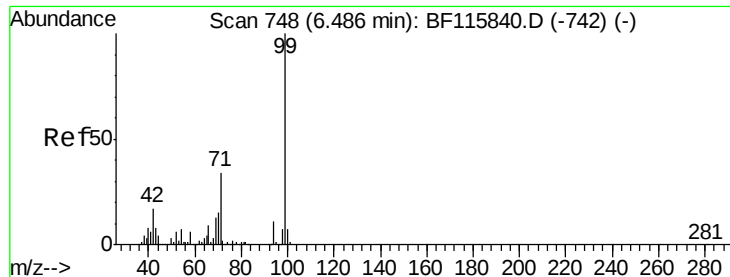
2-Fluorophenol
Concen: 9.023 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116161.D
Acq: 10 Aug 2019 20:48

Tgt Ion:112 Resp: 73493
Ion Ratio Lower Upper
112 100
64 56.3 45.4 68.2
63 29.9 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: 10.033 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

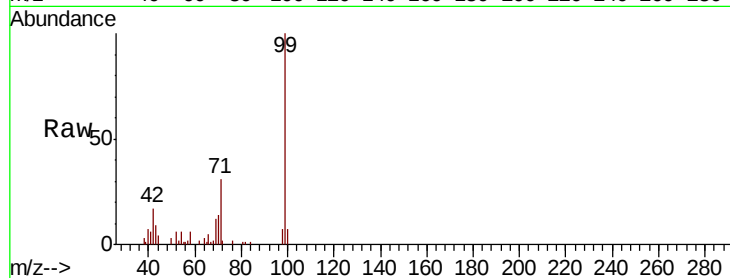
Tot Ion: 99 Resp: 103106

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.8

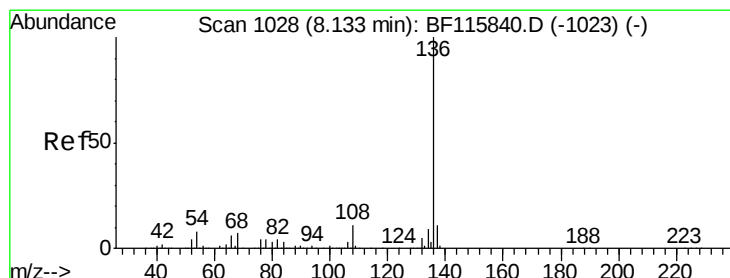
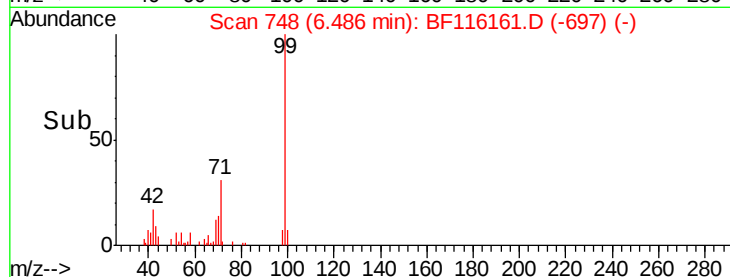
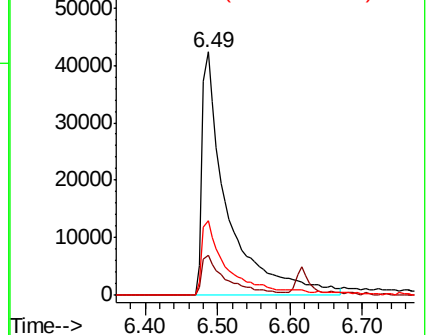
71 30.6 27.3 40.9



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Tgt Ion: 136 Resp: 551637

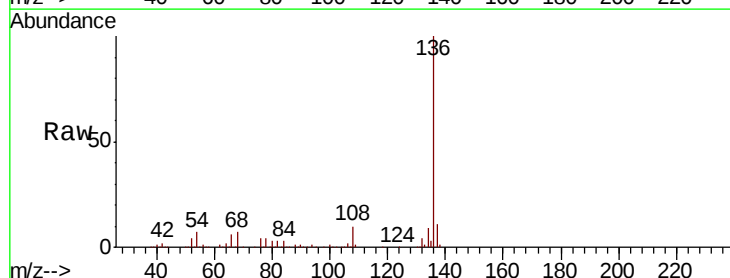
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 5.8 8.6

68 6.5 5.2 7.8

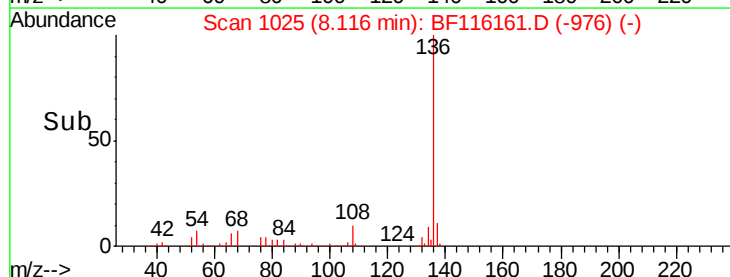
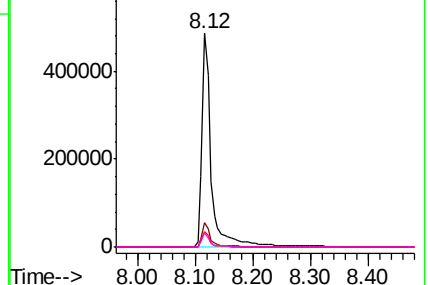


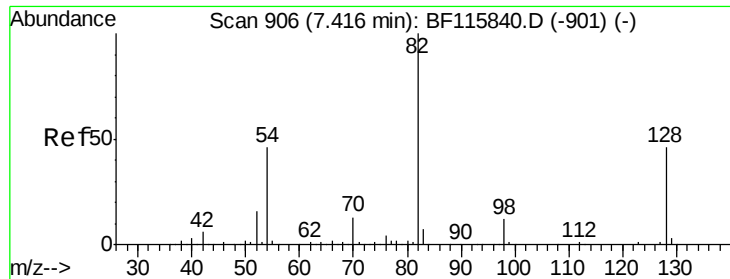
Abundance Ion 136.00 (135.70 to 136.70): E

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

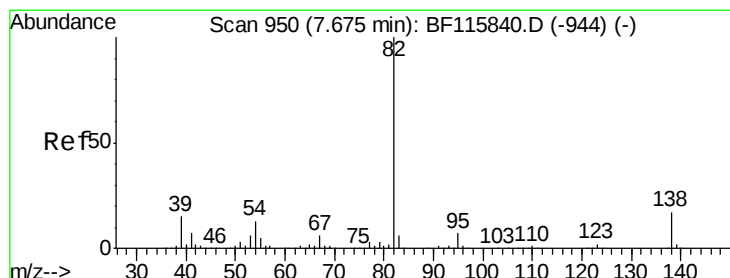
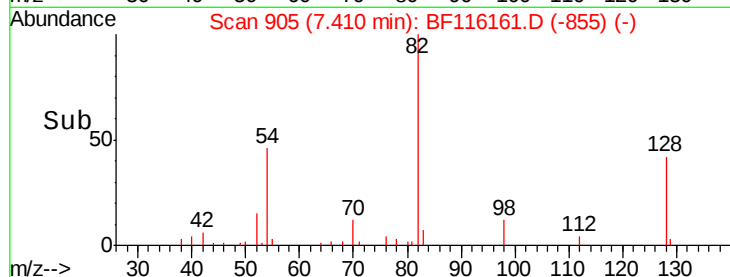
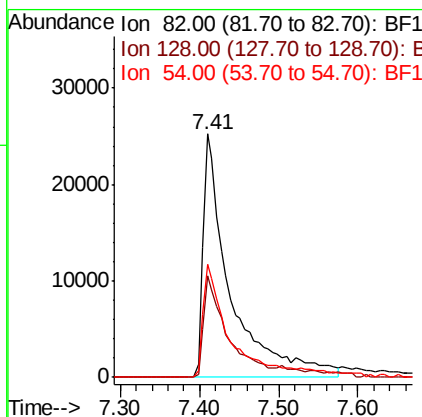
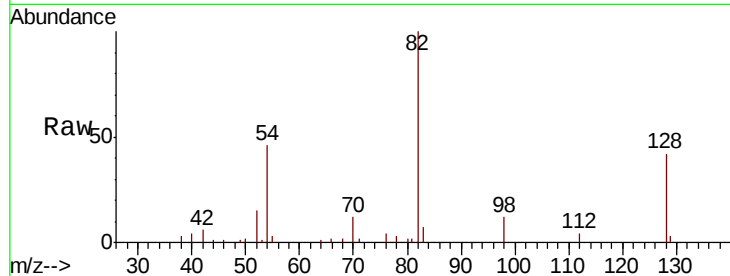




#23
 Nitrobenzene-d5
 Concen: 6.335 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF116161.D
 Acq: 10 Aug 2019 20:48

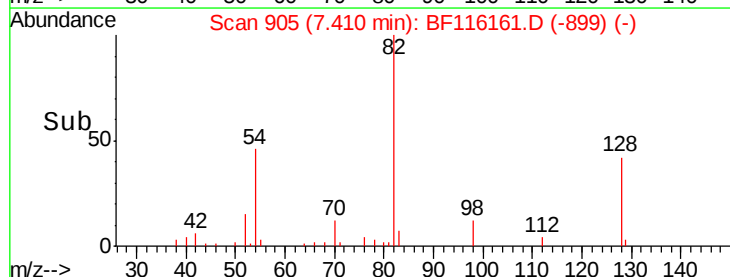
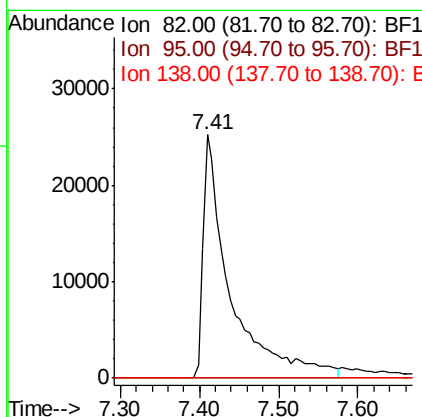
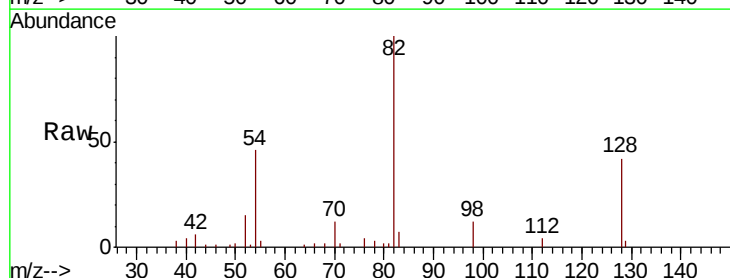
Instrument :
 BNA_F
 ClientSampleId :

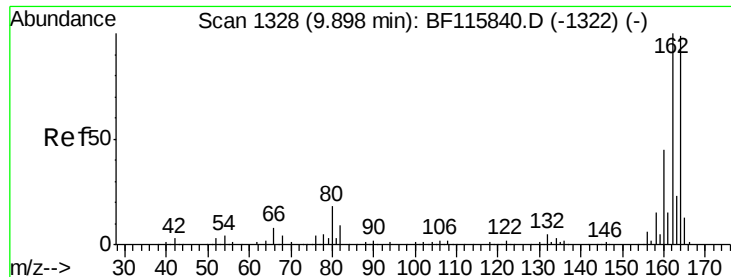
Tot Ion	82	Resp	60540
Ion Ratio	Lower	Upper	
82	100		
128	41.9	36.5	54.7
54	46.4	36.0	54.0



#25
 Isophorone
 Concen: 3.313 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.26 min
 Lab File: BF116161.D
 Acq: 10 Aug 2019 20:48

Tgt Ion	82	Resp	60540
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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

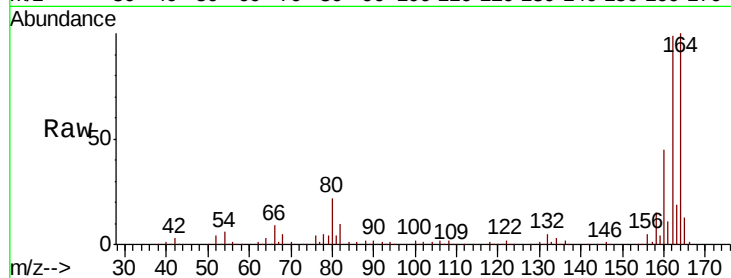
Tot Ion:164 Resp: 262204

Ion Ratio Lower Upper

164 100

162 99.3 82.6 124.0

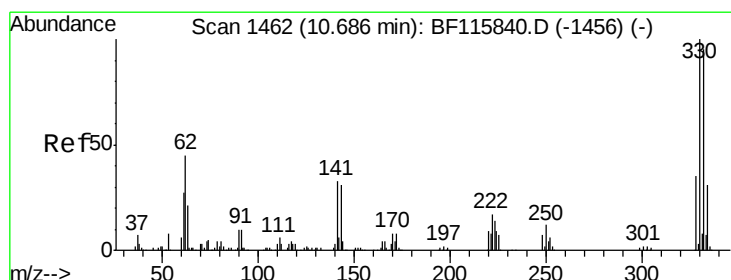
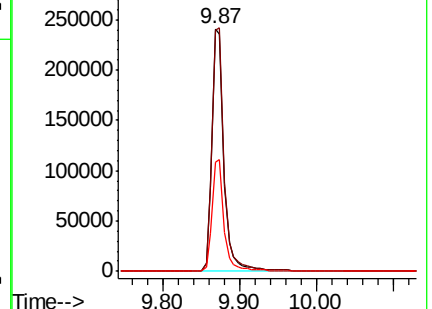
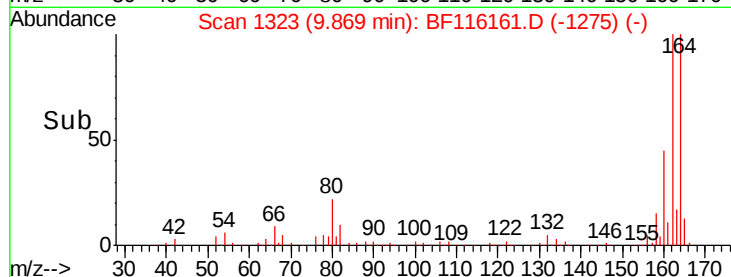
160 45.3 37.6 56.4



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: 5.394 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

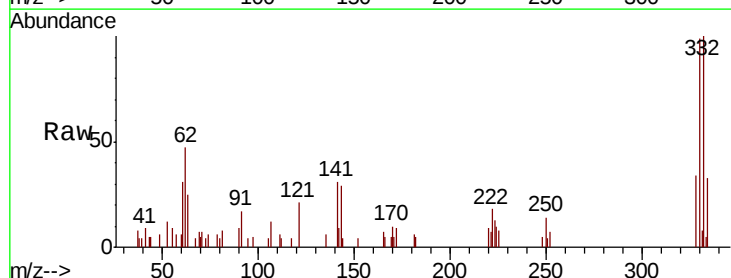
Tgt Ion:330 Resp: 13712

Ion Ratio Lower Upper

330 100

332 95.3 76.8 115.2

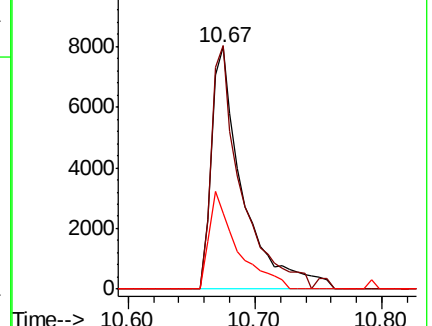
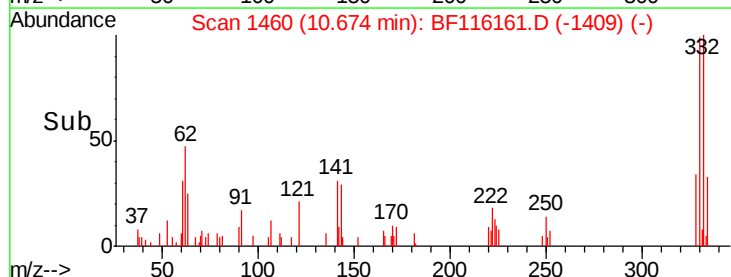
141 36.3 26.3 39.5

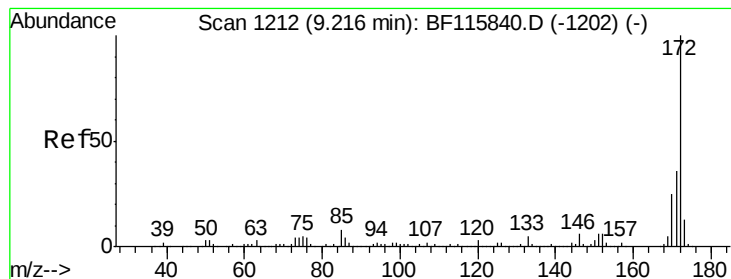


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 9.150 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

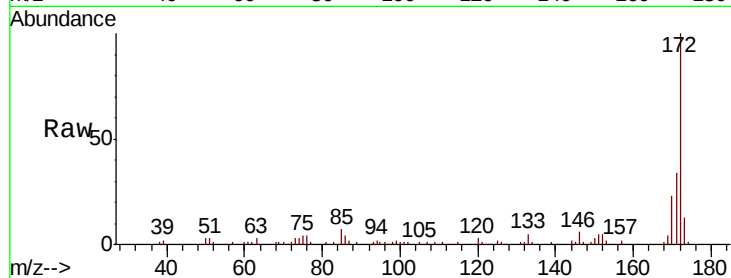
Tot Ion:172 Resp: 128088

Ion Ratio Lower Upper

172 100

171 34.5 29.6 44.4

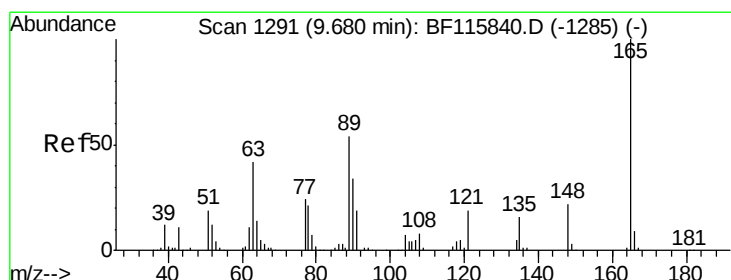
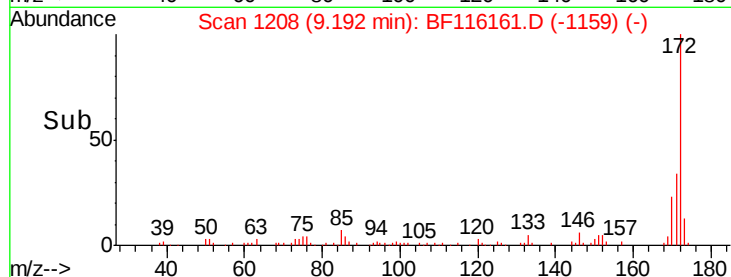
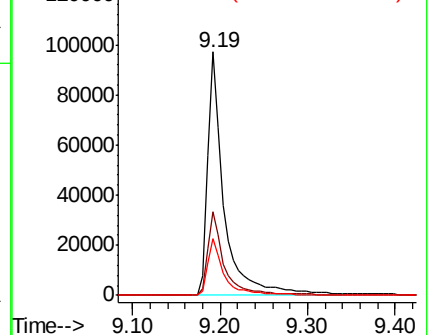
170 23.2 20.1 30.1



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: 8.652 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.19 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

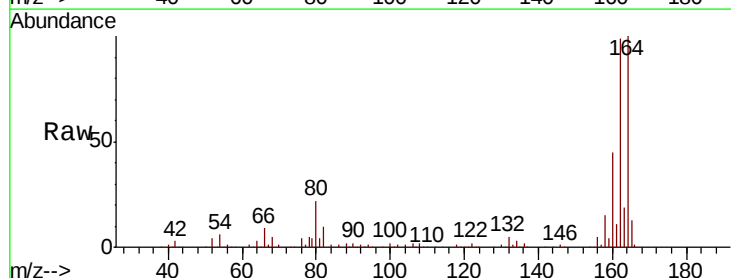
Tgt Ion:165 Resp: 33567

Ion Ratio Lower Upper

165 100

63 1.3 38.2 57.2#

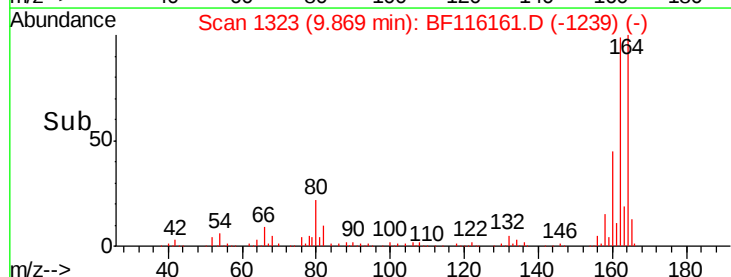
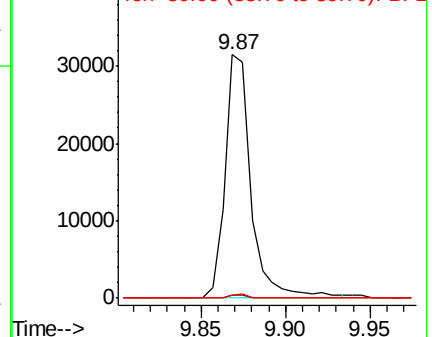
89 1.3 42.9 64.3#

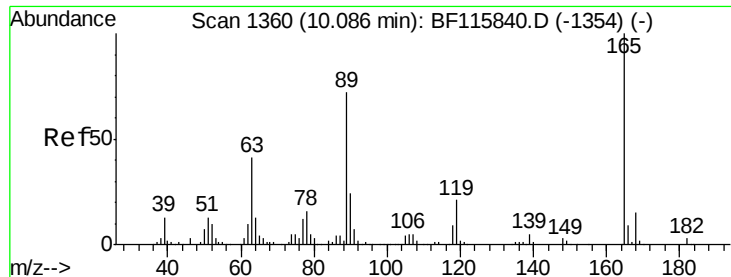


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 6.554 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion:165 Resp: 33856

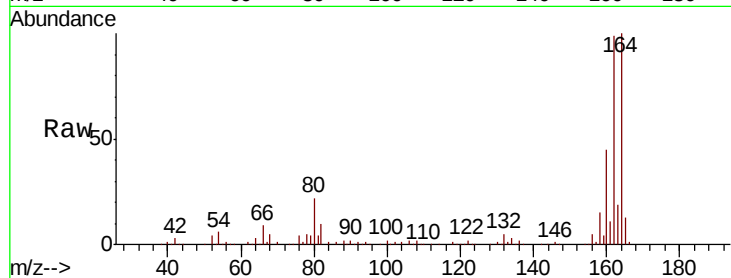
Ion Ratio Lower Upper

165 100

63 1.3 39.6 59.4#

89 1.3 62.2 93.2#

182 0.0 2.1 3.1#

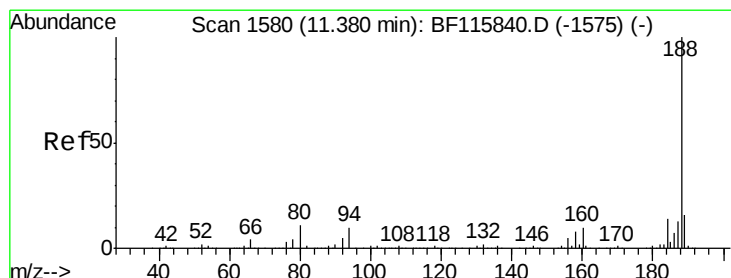
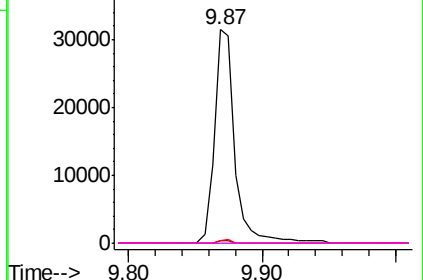
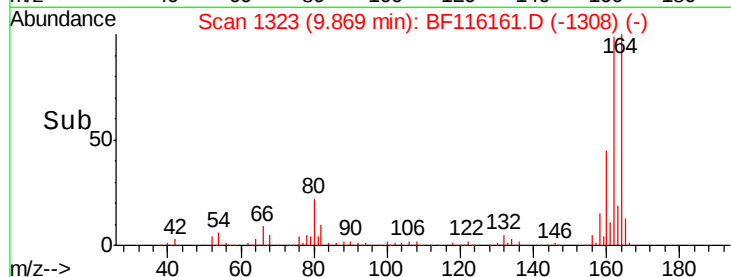


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

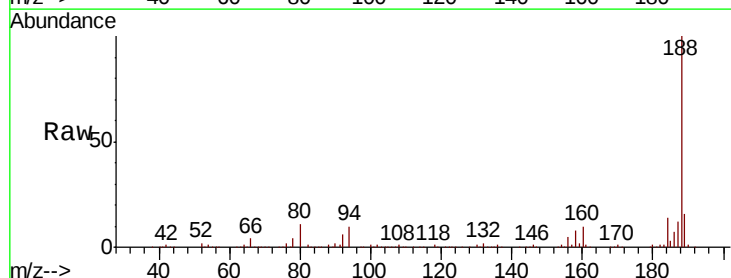
Tgt Ion:188 Resp: 391426

Ion Ratio Lower Upper

188 100

94 10.2 8.1 12.1

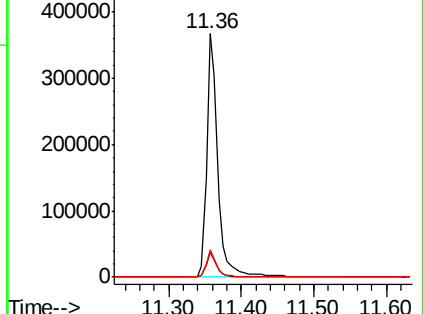
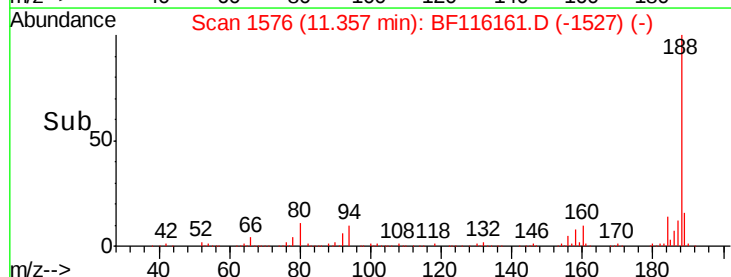
80 11.4 8.7 13.1

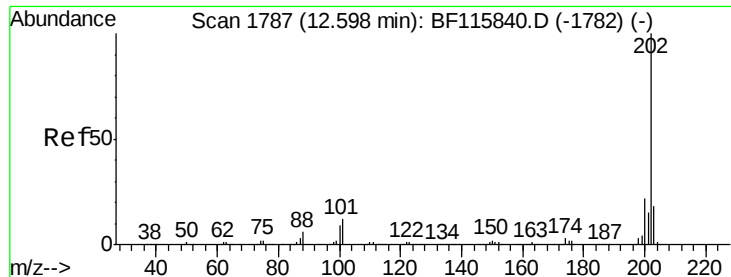


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Fluoranthene

Concen: 2.330 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :

BNA_F

ClientSampled :

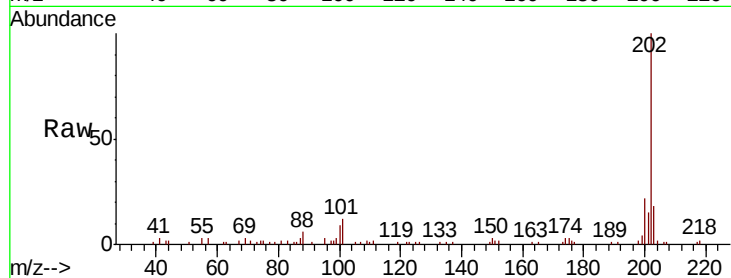
Tot Ion:202 Resp: 48810

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.2

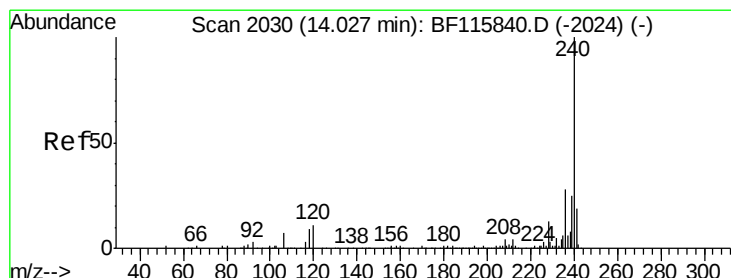
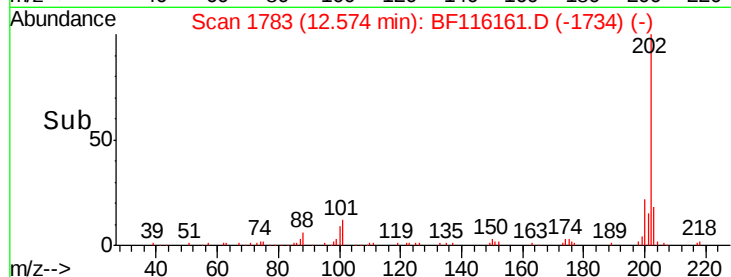
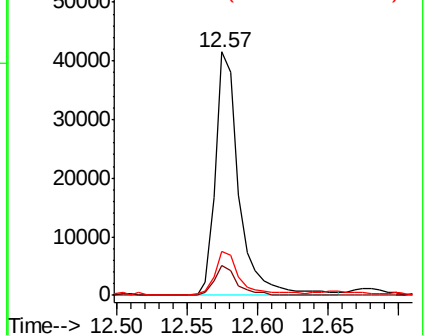
203 18.0 0.0 37.8



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

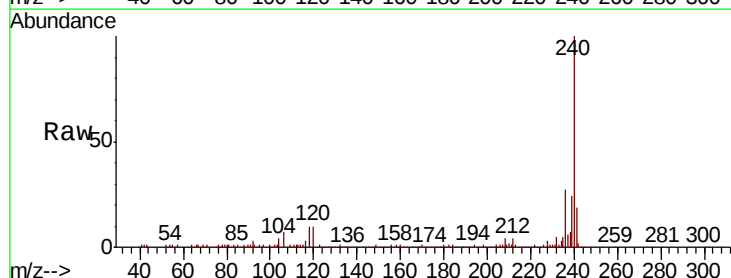
Tgt Ion:240 Resp: 285219

Ion Ratio Lower Upper

240 100

120 10.2 10.7 16.1#

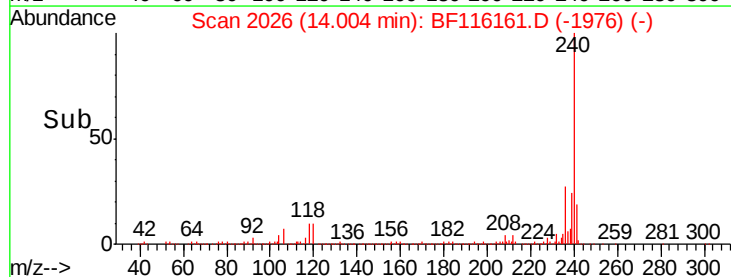
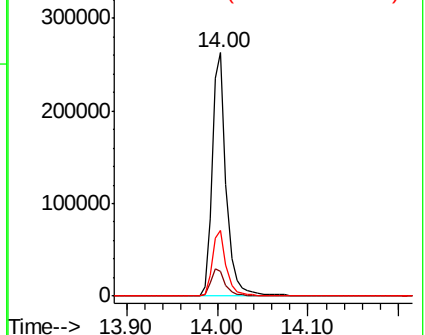
236 26.9 22.2 33.2

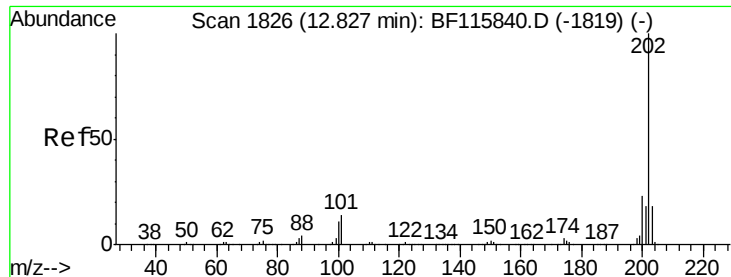


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

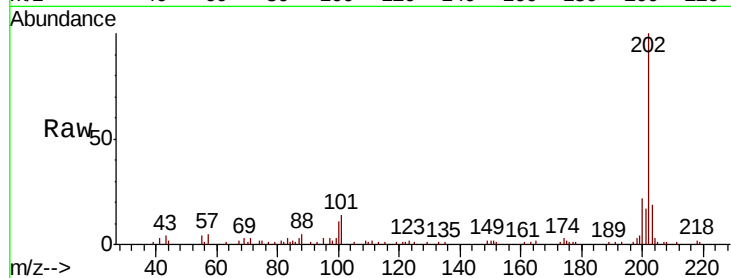




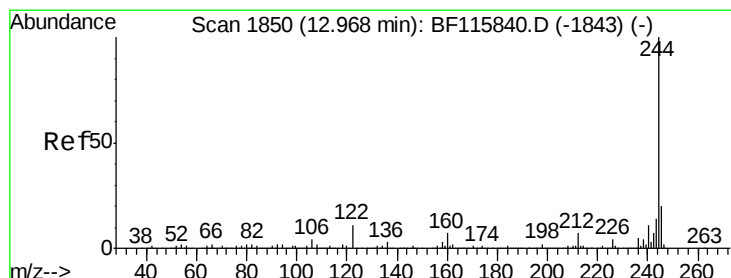
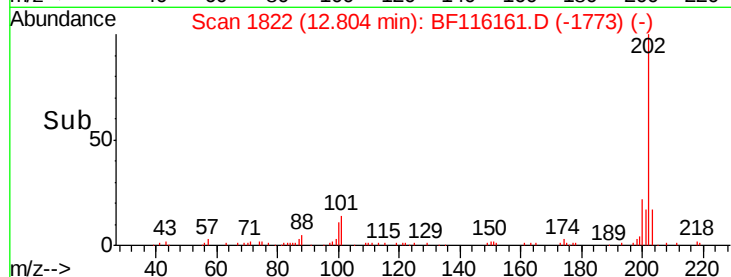
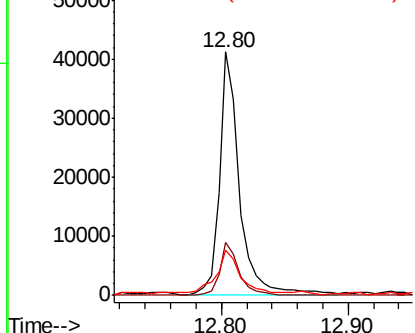
#78
Pvrene
Concen: 2.132 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF116161.D
Acq: 10 Aug 2019 20:48

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.0	27.0
203	18.5	14.1	21.1

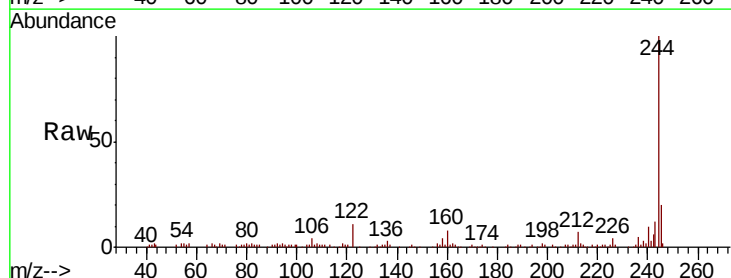


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

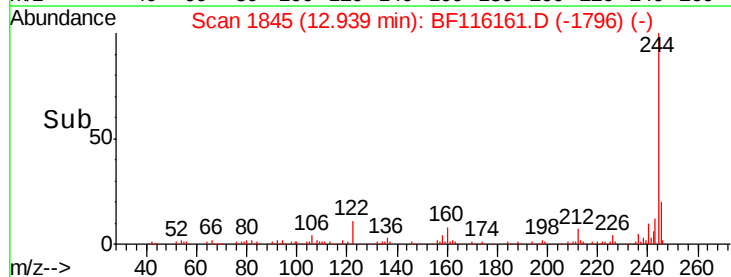
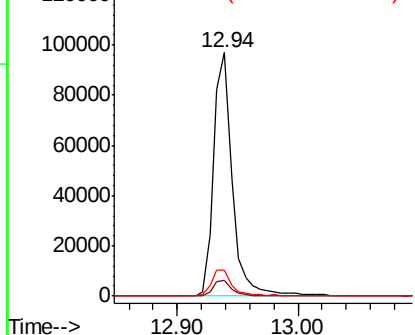


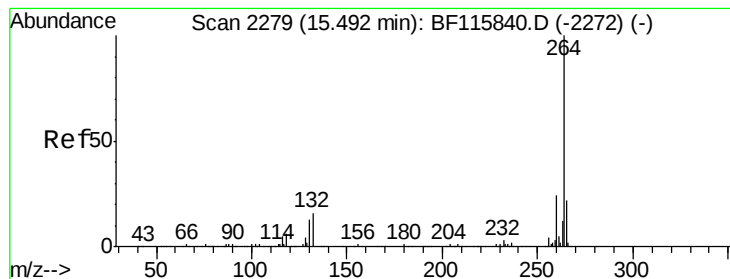
#79
Terphenyl-d14
Concen: 7.644 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116161.D
Acq: 10 Aug 2019 20:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	10.6	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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

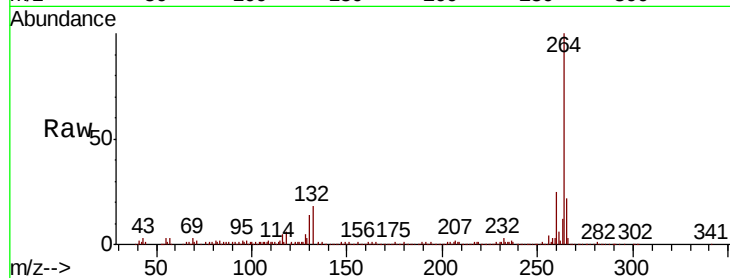
Tot Ion:264 Resp: 264435

Ion Ratio Lower Upper

264 100

260 24.6 19.7 29.5

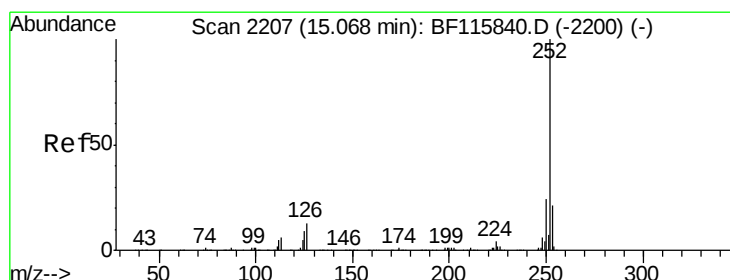
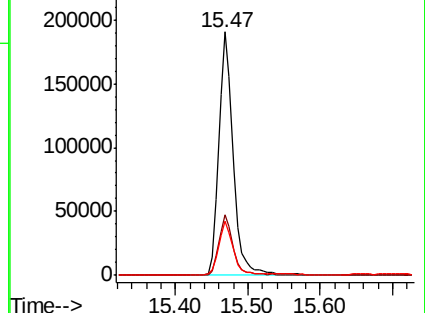
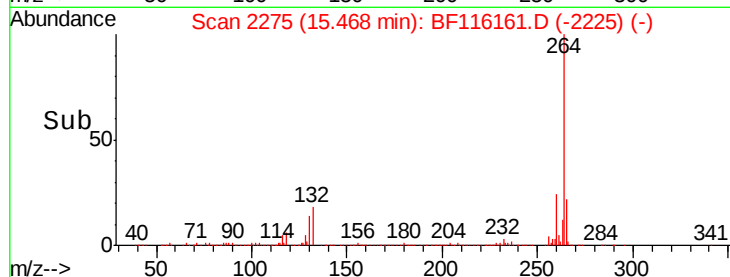
265 22.1 17.4 26.0



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: 2.211 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

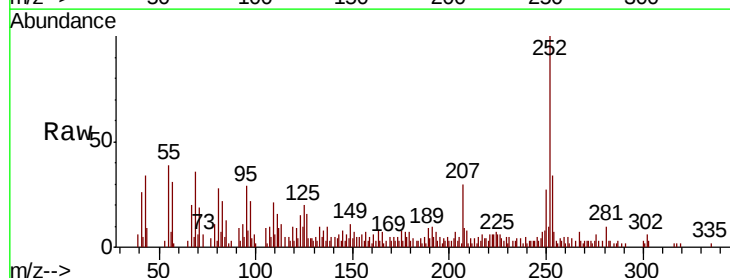
Tgt Ion:252 Resp: 33805

Ion Ratio Lower Upper

252 100

253 33.6 17.8 26.8#

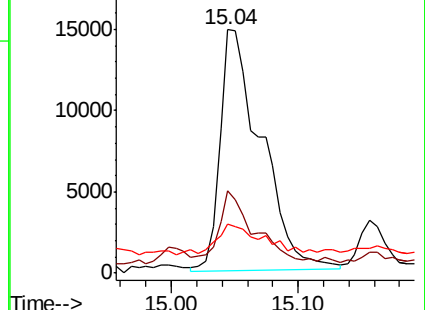
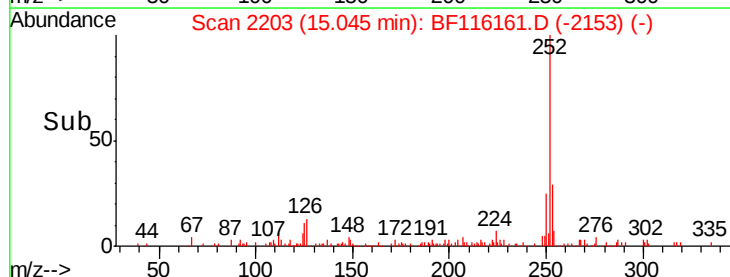
125 20.2 8.4 12.6#

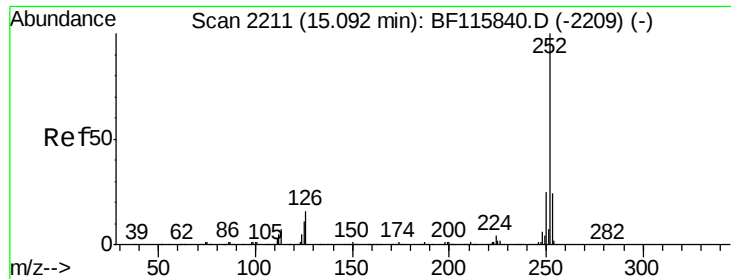


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.270 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.04 min

Lab File: BF116161.D

Acq: 10 Aug 2019 20:48

Instrument :

BNA_F

ClientSampleId :

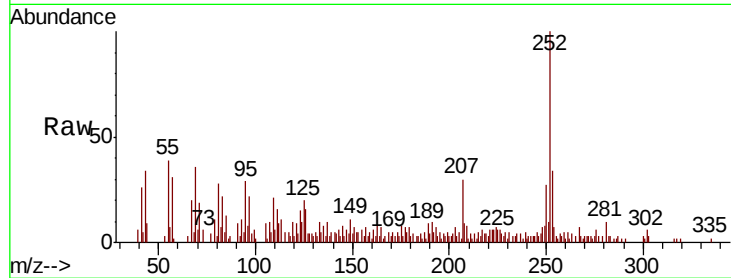
Tot Ion:252 Resp: 33805

Ion Ratio Lower Upper

252 100

253 33.6 17.8 26.8#

125 20.2 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

