

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
 Data File : BF114369.D
 Acq On : 18 May 2019 00:43
 Operator : JU/SJ
 Sample : K2894-19
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 18 05:07:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	189999	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	750538	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	354938	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	711768	20.00	ng	0.00
76) Chrysene-d12	14.01	240	508490	20.00	ng	-0.01
87) Perylene-d12	15.49	264	467800	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1020717	86.45	ng	0.00
7) Phenol-d6	6.49	99	1379247	98.77	ng	0.00
23) Nitrobenzene-d5	7.40	82	832831	62.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	324060	88.31	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1381038	58.86	ng	-0.01
79) Terphenyl-d14	12.95	244	1322191	53.60	ng	0.00

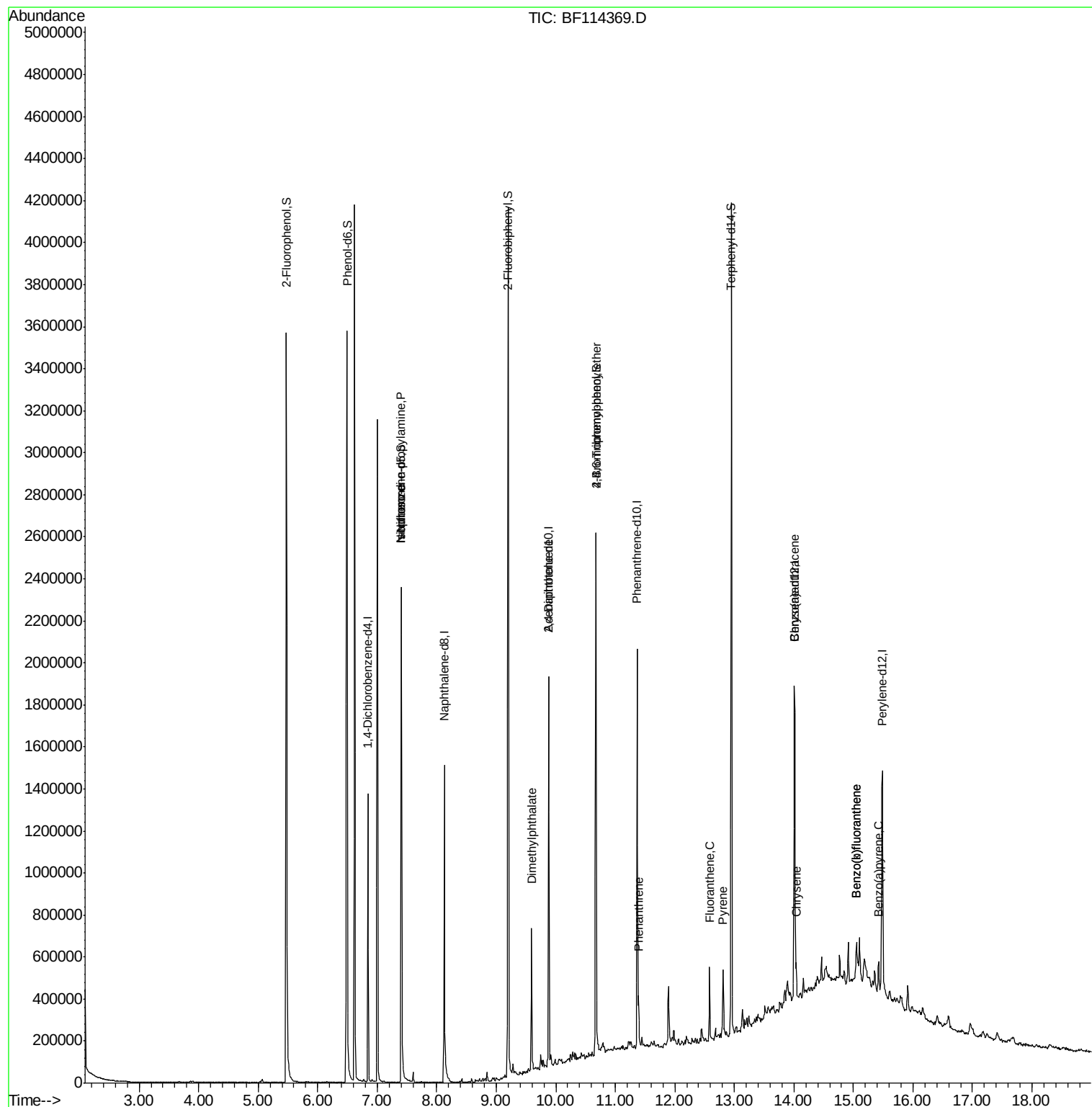
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	107681	12.166	ng	# 76
25) Isophorone	7.40	82	832825	33.578	ng	# 64
50) Dimethylphthalate	9.59	163	265370	10.185	ng	98
57) 2,4-Dinitrotoluene	9.88	165	47821	6.096	ng	# 25
67) 4-Bromophenyl-phenylether	10.67	248	20740	2.646	ng	# 1
71) Phenanthrene	11.39	178	78085	2.255	ng	98
75) Fluoranthene	12.58	202	154216	4.136	ng	98
78) Pyrene	12.81	202	139362	3.407	ng	97
81) Benzo(a)anthracene	14.00	228	80535	2.449	ng	98
83) Chrysene	14.04	228	75389	2.338	ng	97
88) Benzo(b)fluoranthene	15.06	252	121207	4.044	ng	# 92
89) Benzo(k)fluoranthene	15.06	252	121207	4.403	ng	# 93
90) Benzo(a)pyrene	15.42	252	63169	2.395	ng	# 92

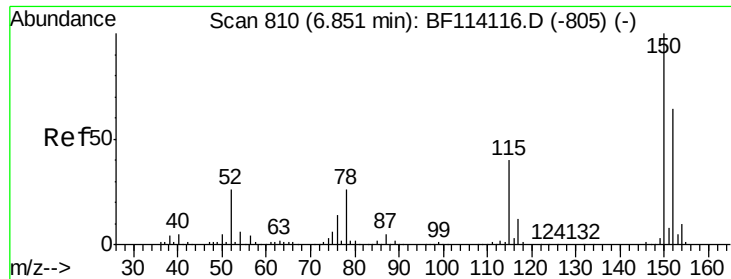
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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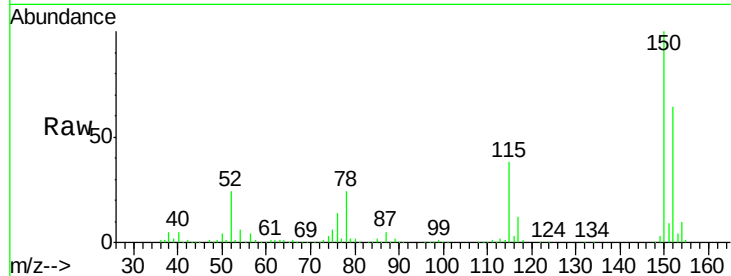


#1

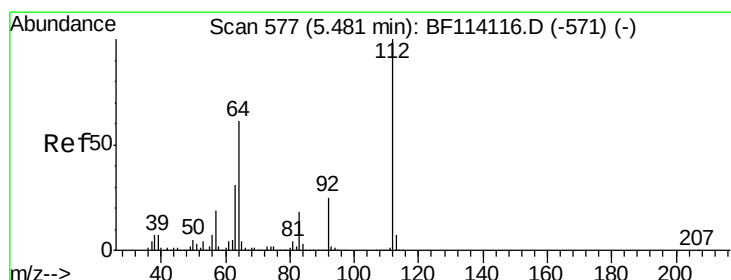
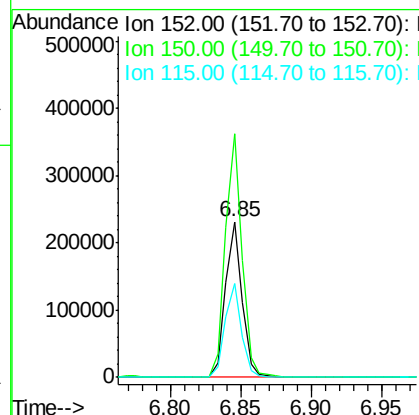
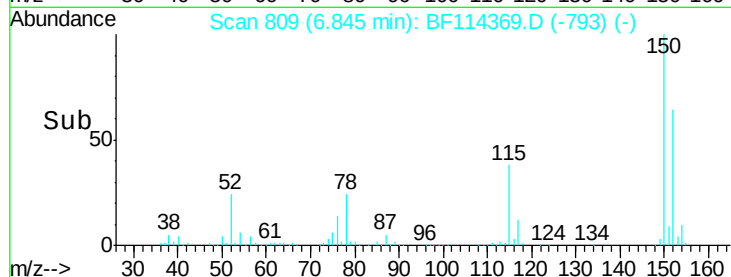
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 189999
Ion Ratio Lower Upper
152 100
150 156.7 124.3 186.5
115 60.1 49.1 73.7



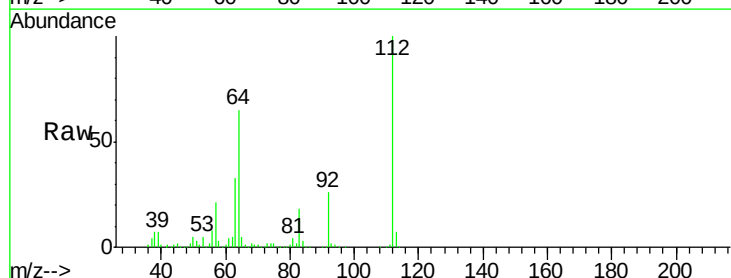
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



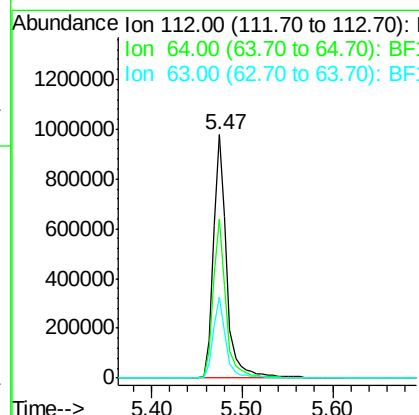
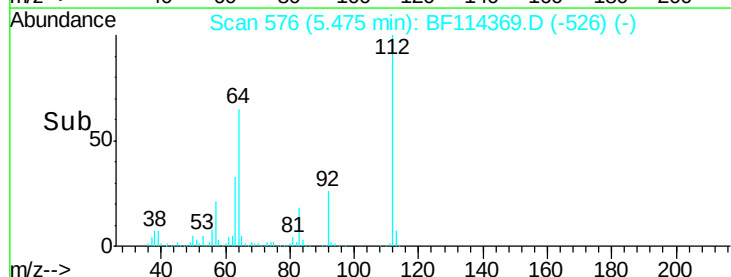
#5

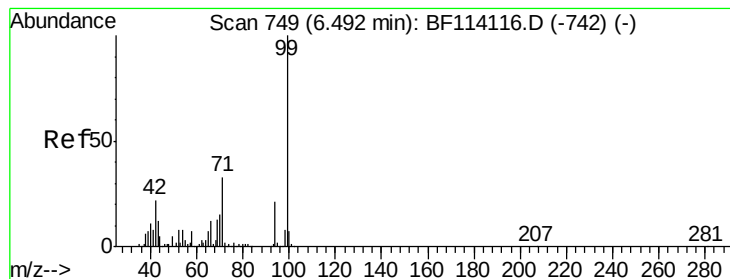
2-Fluorophenol
Concen: 86.453 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Tgt Ion:112 Resp: 1020717
Ion Ratio Lower Upper
112 100
64 65.2 49.0 73.6
63 33.1 24.6 37.0



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: 98.771 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

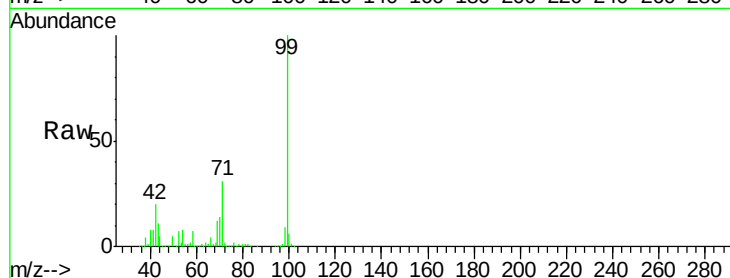
Tot Ion: 99 Resp: 1379247

Ion Ratio Lower Upper

99 100

42 20.5 17.9 26.9

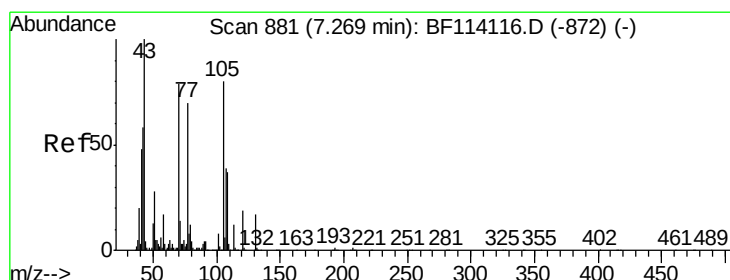
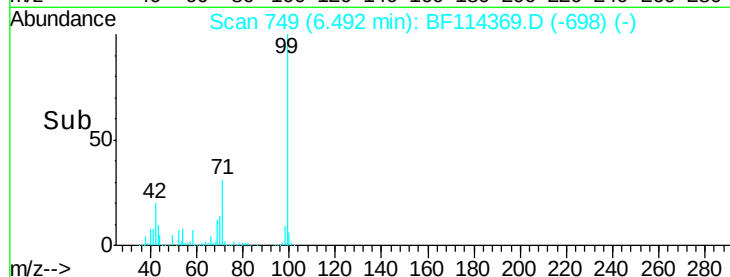
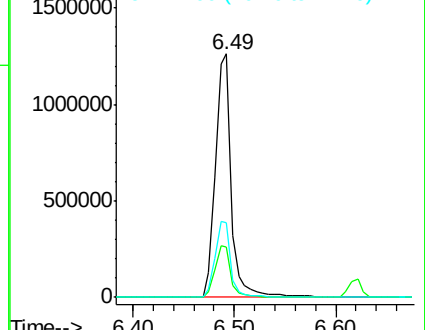
71 30.7 26.2 39.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.166 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Tgt Ion: 70 Resp: 107681

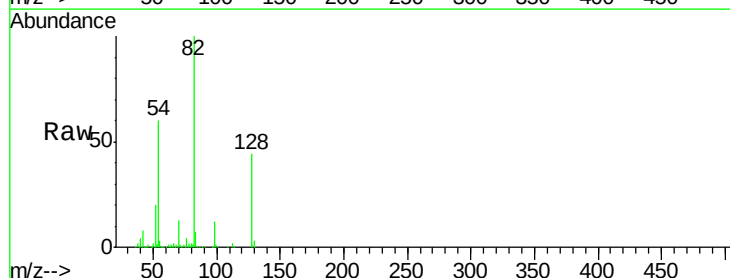
Ion Ratio Lower Upper

70 100

42 57.7 58.6 87.8#

101 0.0 7.8 11.8#

130 2.3 17.1 25.7#

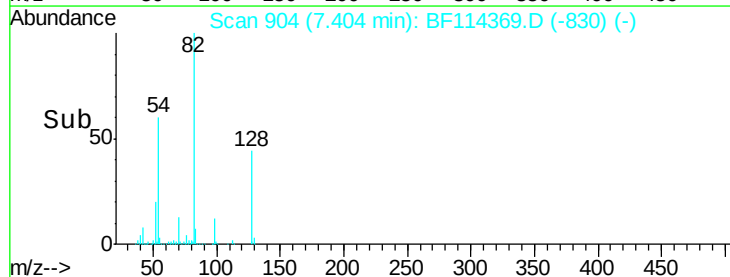
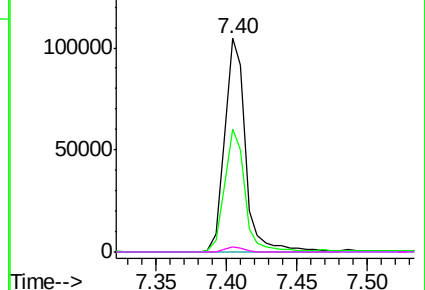


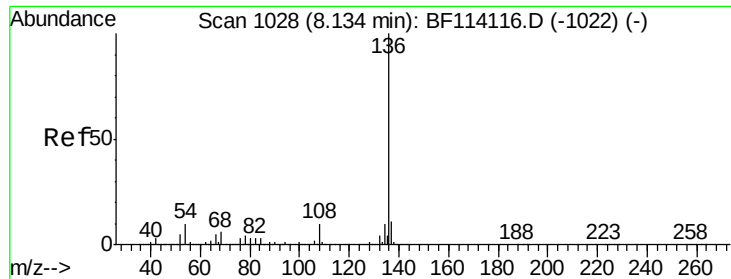
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

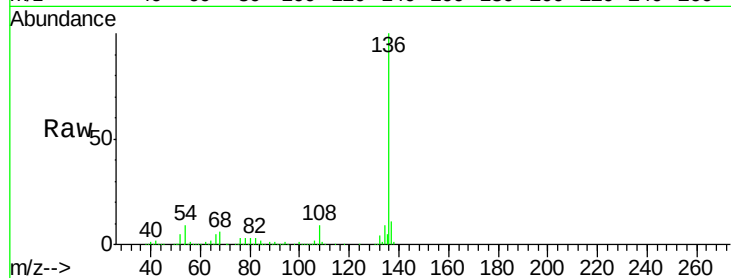




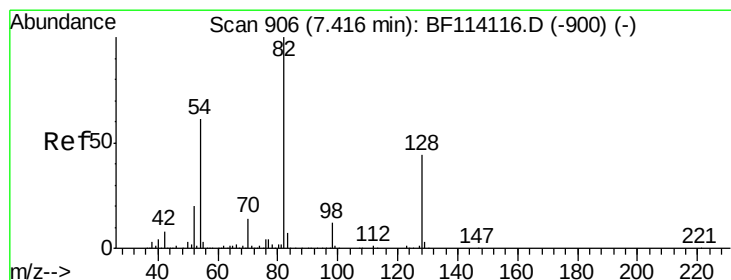
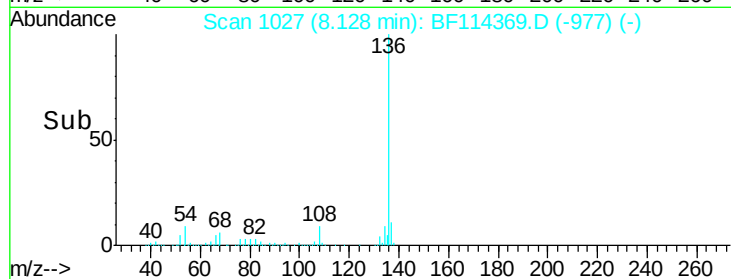
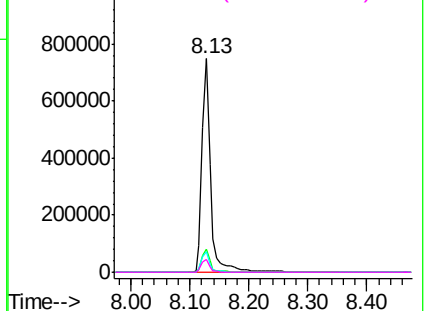
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	750538
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.8 13.2
54	9.3	7.8 11.8
68	6.3	5.1 7.7

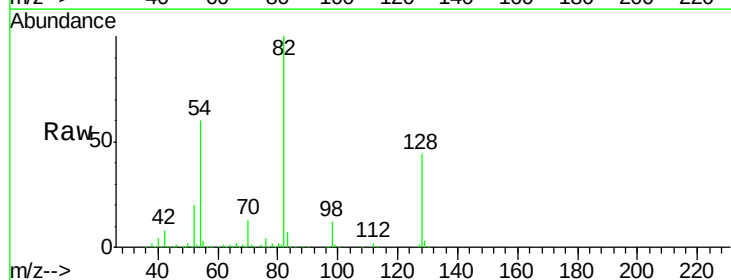


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

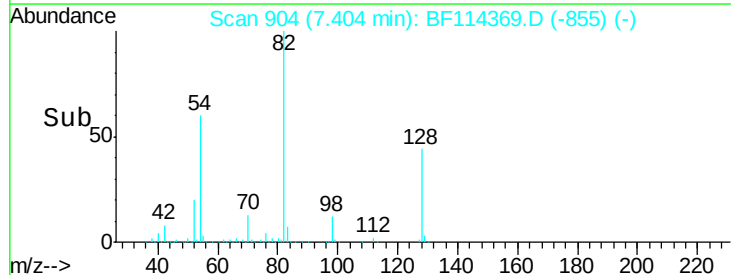
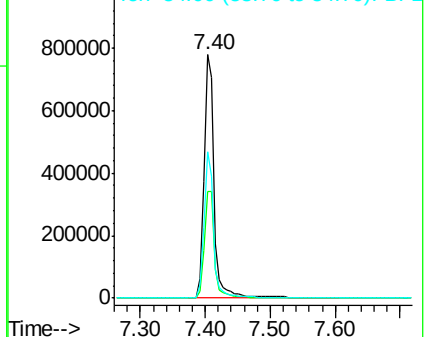


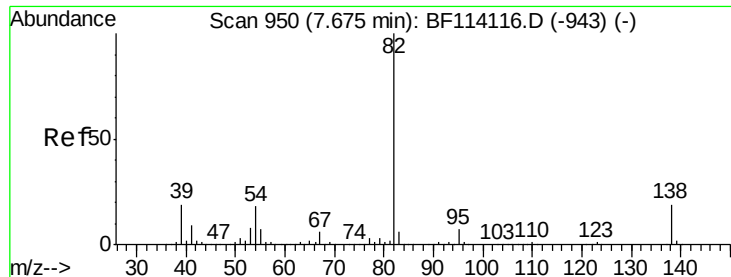
#23
Nitrobenzene-d5
Concen: 62.273 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Tgt Ion: 82	Resp:	832831
Ion Ratio	Lower	Upper
82	100	
128	43.7	35.5 53.3
54	59.9	48.5 72.7



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: 33.578 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

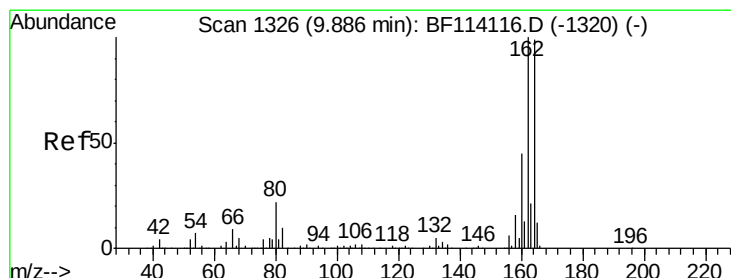
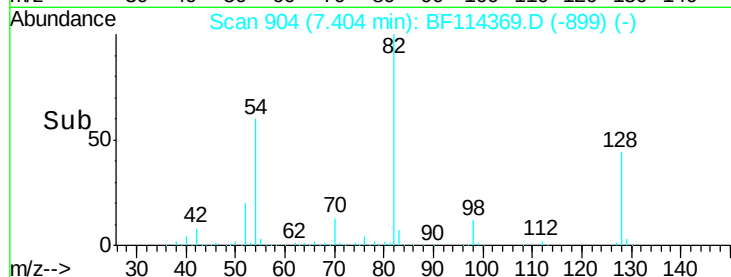
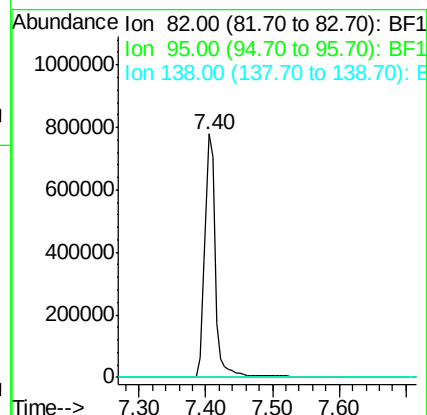
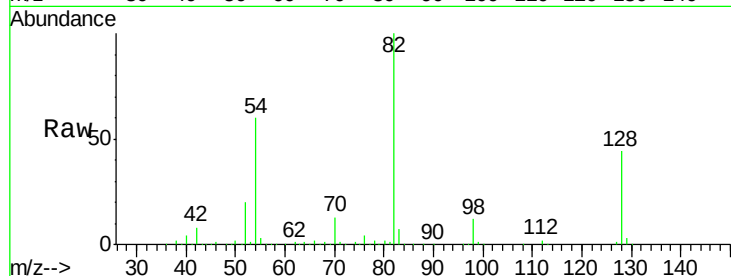
Tot Ion: 82 Resp: 832825

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

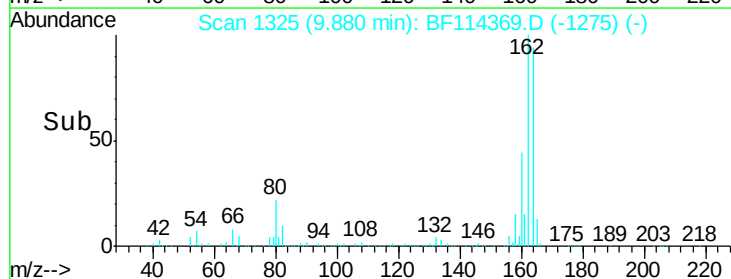
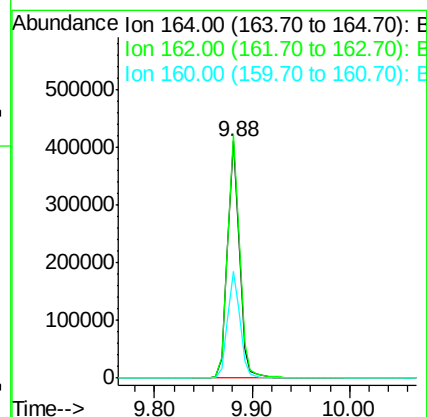
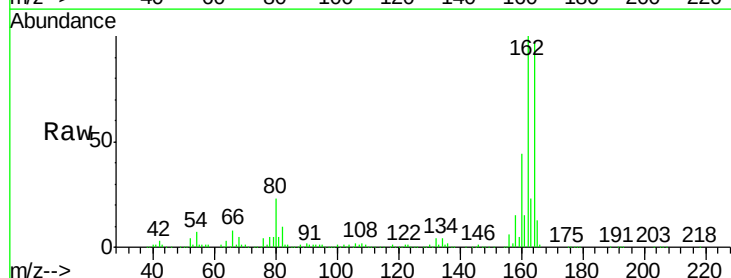
Tgt Ion: 164 Resp: 354938

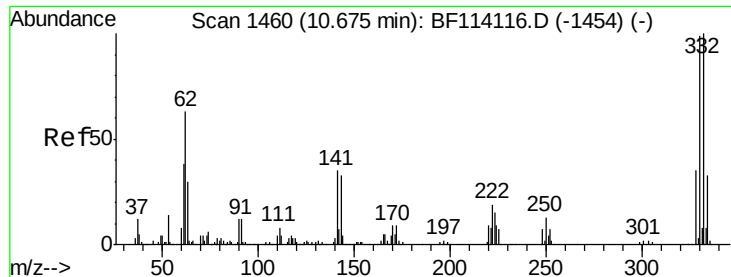
Ion Ratio Lower Upper

164 100

162 102.7 80.6 120.8

160 44.9 36.5 54.7





#42

2,4,6-Tribromophenol

Concen: 88.313 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

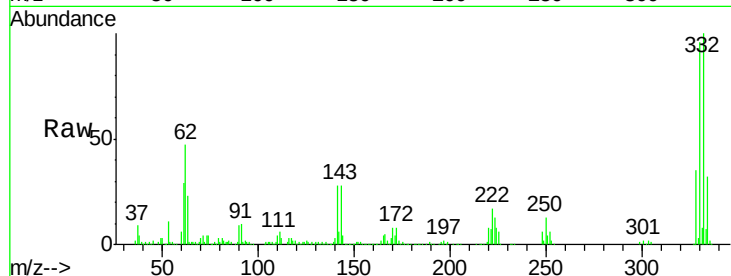
Tot Ion:330 Resp: 324060

Ion Ratio Lower Upper

330 100

332 102.1 81.4 122.2

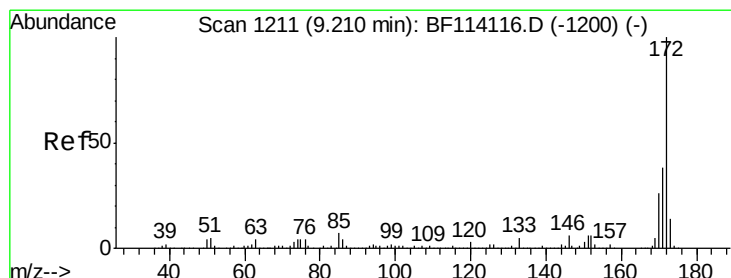
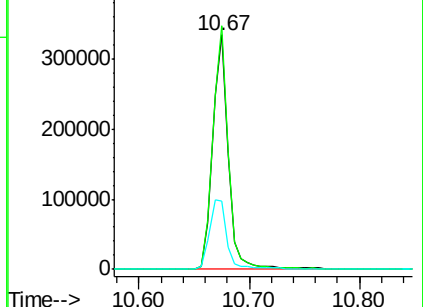
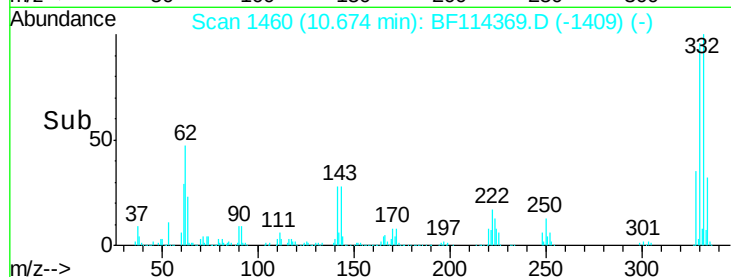
141 32.2 26.6 40.0



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: 58.857 ng

RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

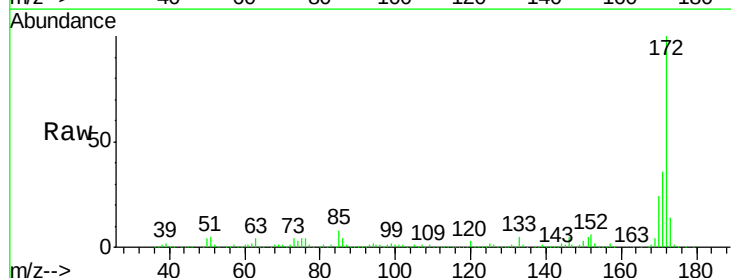
Tgt Ion:172 Resp: 1381038

Ion Ratio Lower Upper

172 100

171 35.7 30.7 46.1

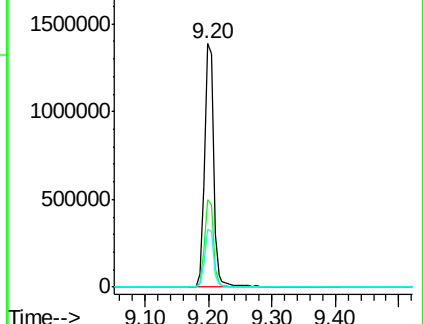
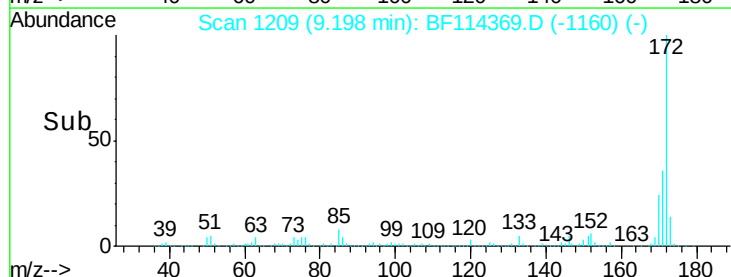
170 23.6 20.5 30.7

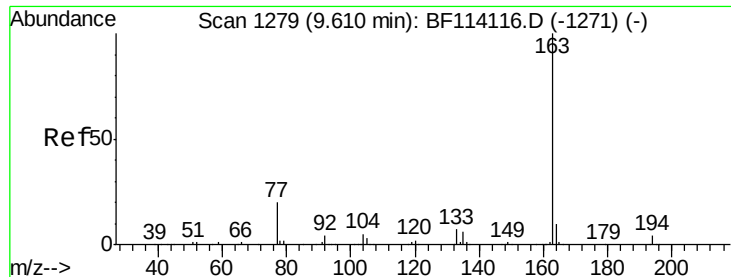


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 10.185 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

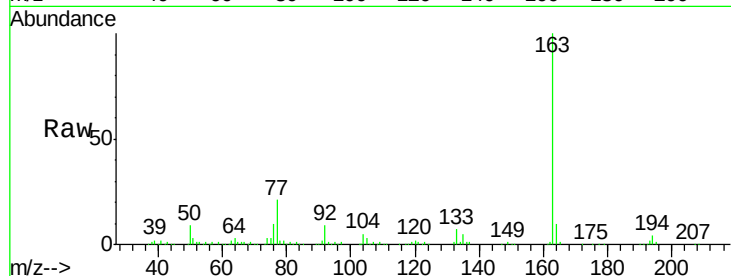
Tot Ion:163 Resp: 265370

Ion Ratio Lower Upper

163 100

194 3.7 3.4 5.0

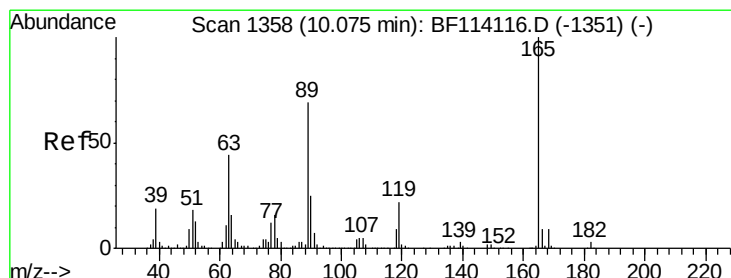
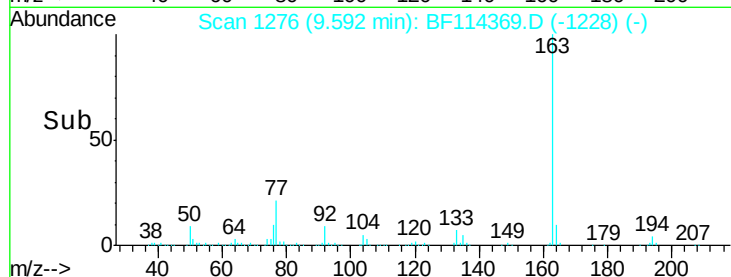
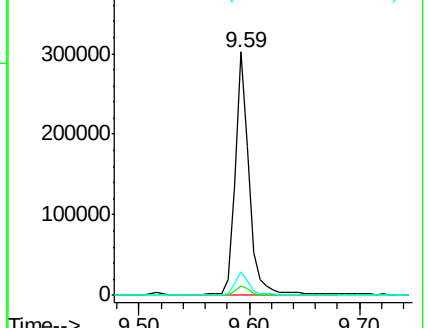
164 9.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.096 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Tgt Ion:165 Resp: 47821

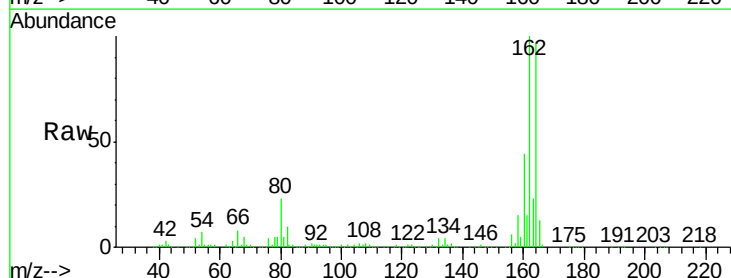
Ion Ratio Lower Upper

165 100

63 1.4 35.5 53.3#

89 1.2 55.2 82.8#

182 0.0 2.2 3.2#

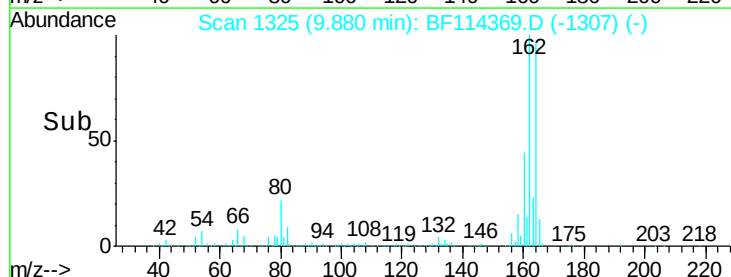
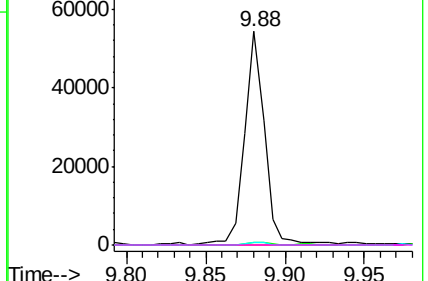


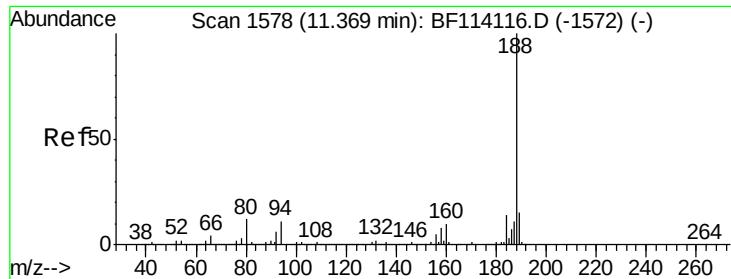
Abundance Ion 165.00 (164.70 to 165.70): E

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

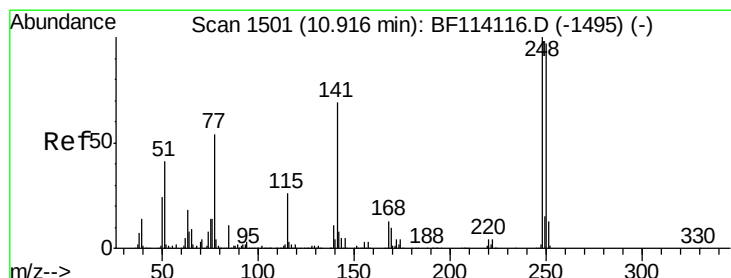
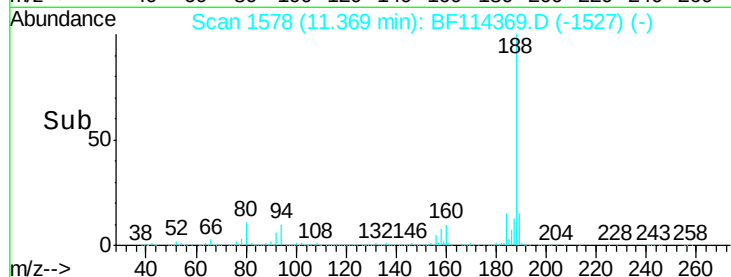
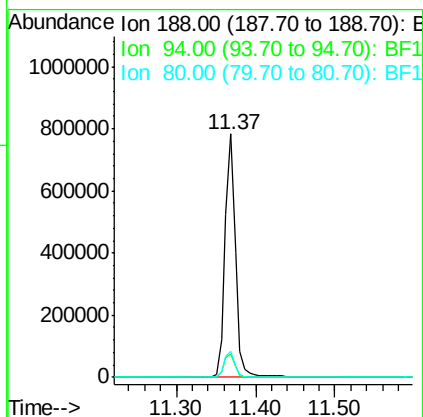
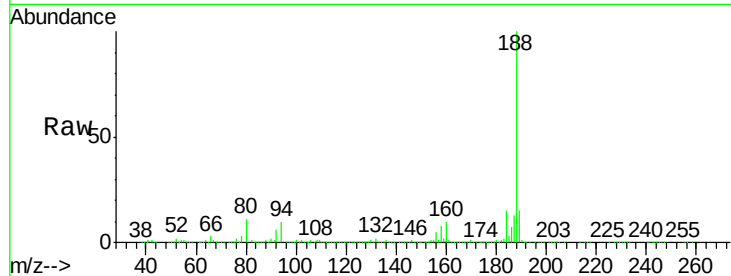




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

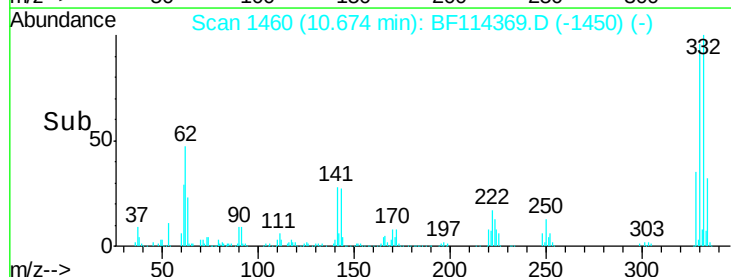
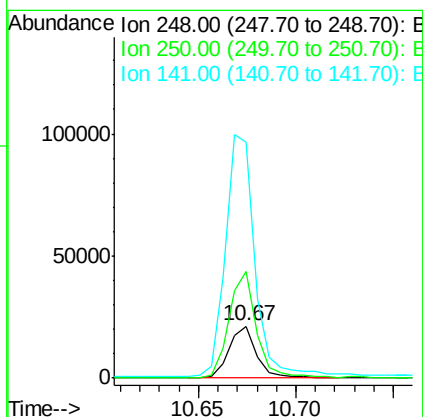
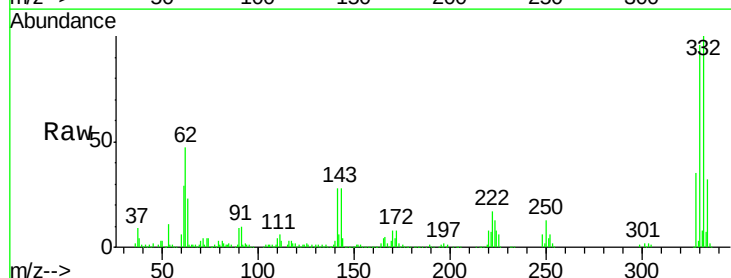
Instrument :
BNA_F
ClientSampleId :

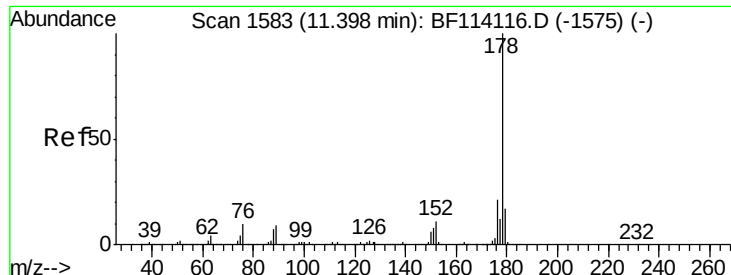
Tot Ion:188 Resp: 711768
Ion Ratio Lower Upper
188 100
94 9.9 8.4 12.6
80 10.8 9.2 13.8



#67
4-Bromophenyl-phenylether
Concen: 2.646 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Tgt Ion:248 Resp: 20740
Ion Ratio Lower Upper
248 100
250 204.3 77.4 116.2#
141 453.3 55.6 83.4#

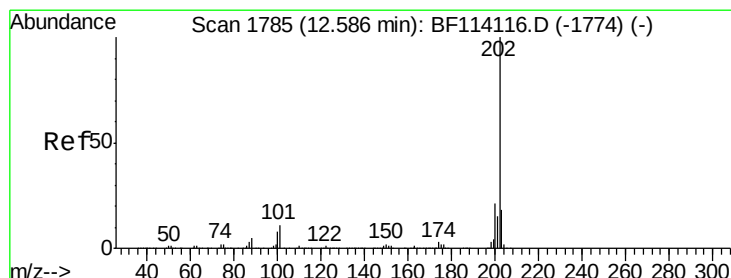
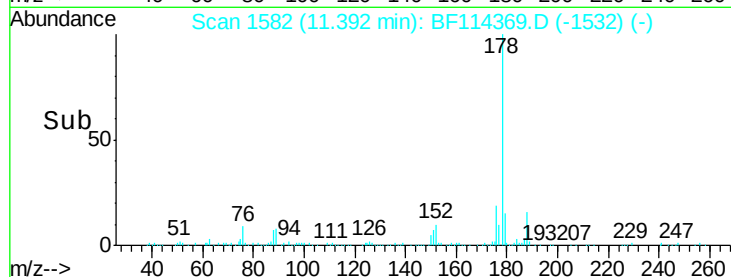
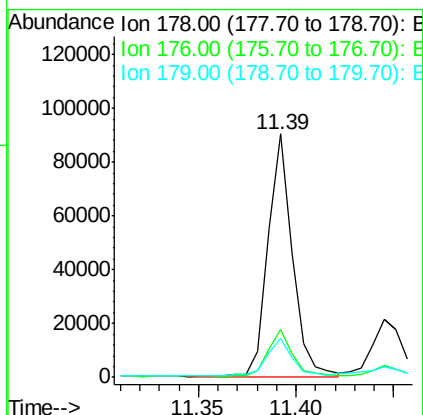
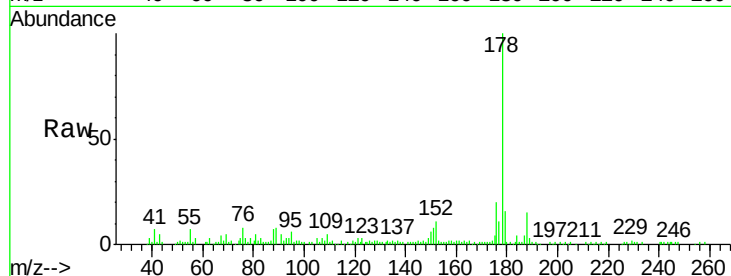




#71
Phenanthrene
Concen: 2.255 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

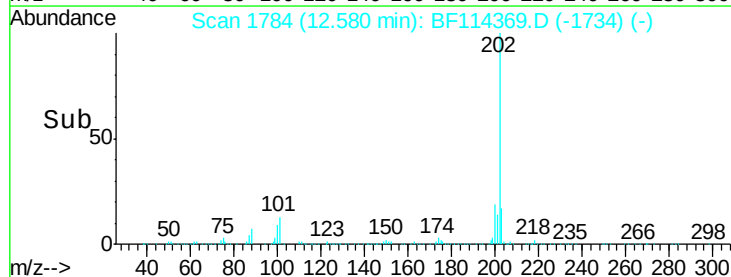
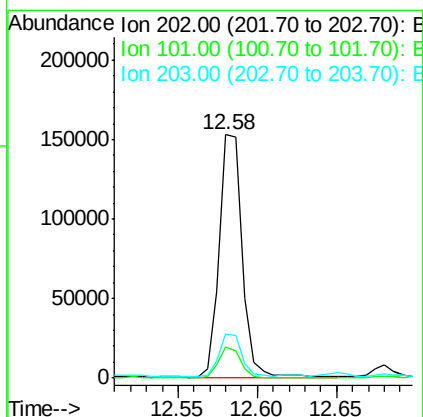
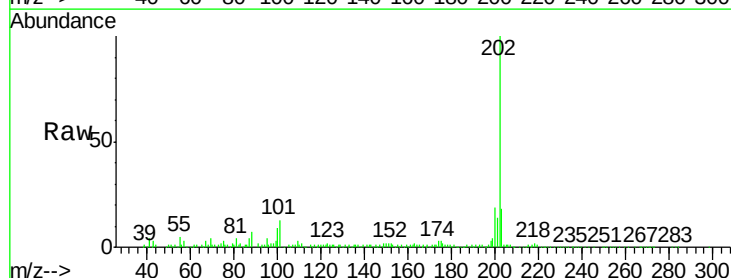
Instrument :
BNA_F
ClientSampleId :

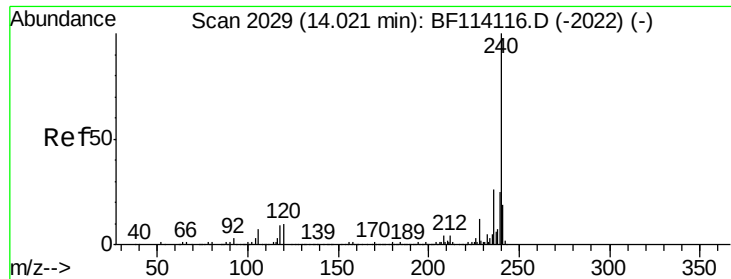
Tot Ion:178 Resp: 78085
Ion Ratio Lower Upper
178 100
176 19.5 16.4 24.6
179 15.9 13.2 19.8



#75
Fluoranthene
Concen: 4.136 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Tgt Ion:202 Resp: 154216
Ion Ratio Lower Upper
202 100
101 12.7 0.0 31.0
203 18.0 0.0 38.4

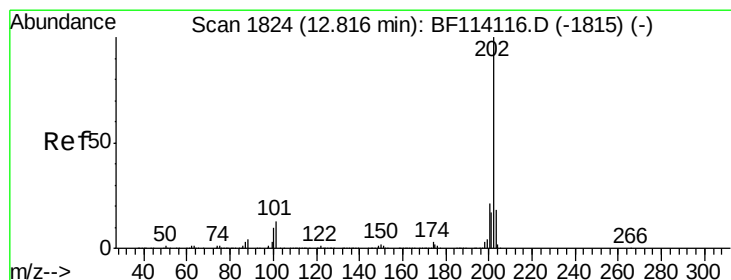
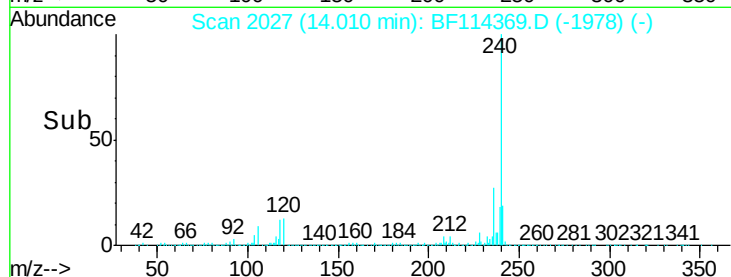
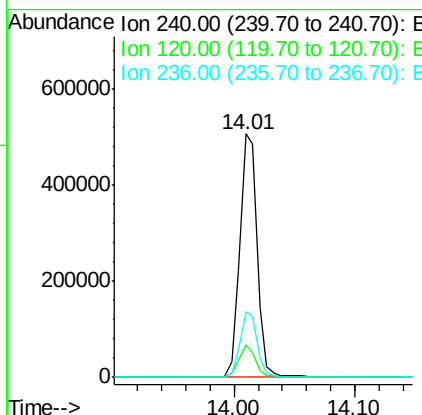
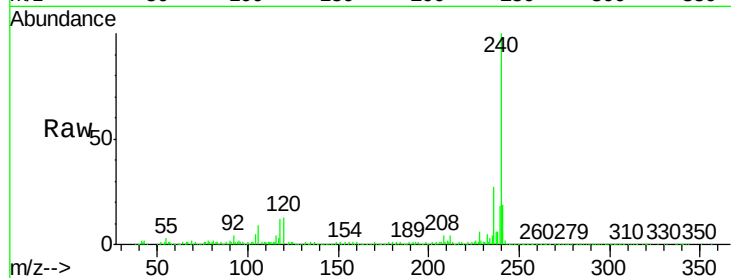




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

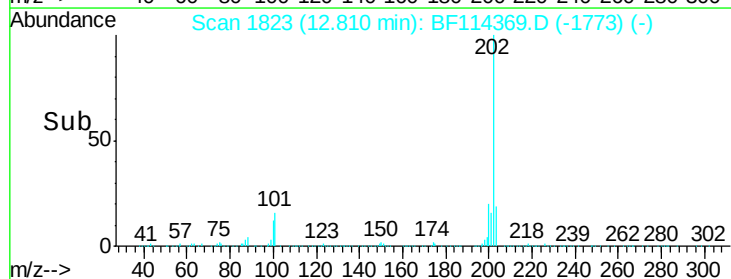
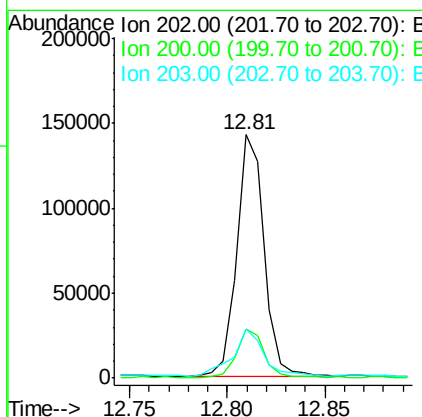
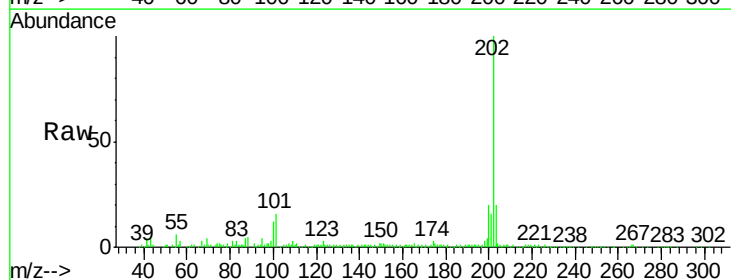
Instrument :
BNA_F
ClientSampleId :

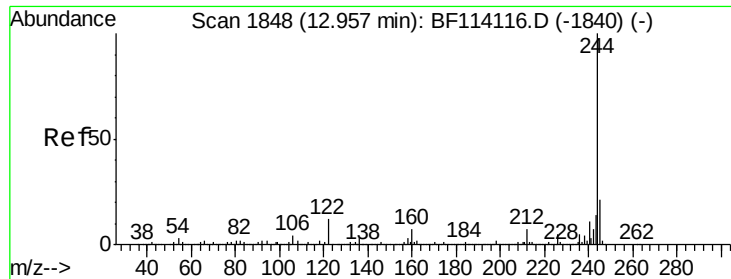
Tot Ion:240 Resp: 508490
Ion Ratio Lower Upper
240 100
120 13.4 8.3 12.5#
236 27.0 20.8 31.2



#78
Pyrene
Concen: 3.407 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF114369.D
Acq: 18 May 2019 00:43

Tgt Ion:202 Resp: 139362
Ion Ratio Lower Upper
202 100
200 20.2 16.9 25.3
203 20.4 14.5 21.7





#79

Terphenyl-d14

Concen: 53.602 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

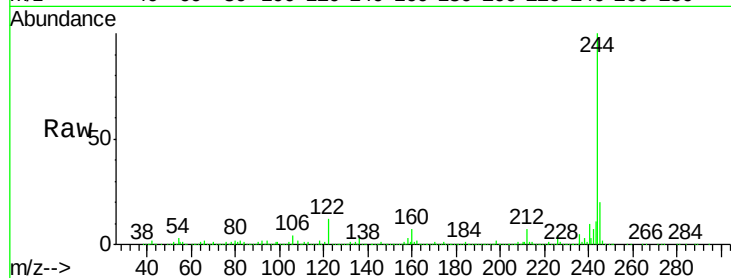
Tot Ion:244 Resp: 1322191

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

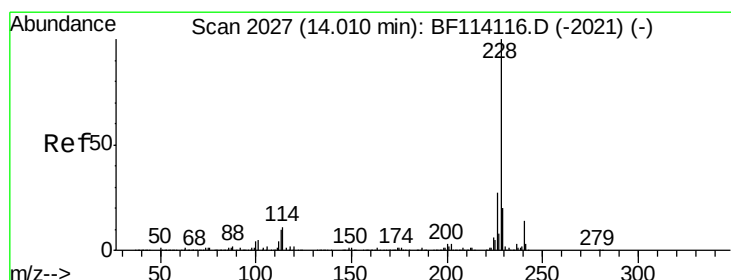
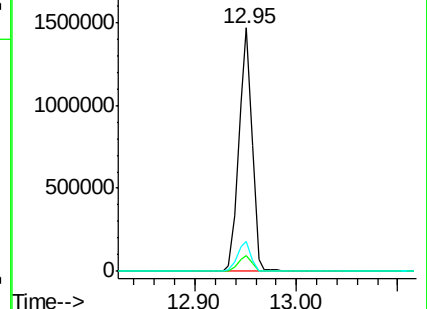
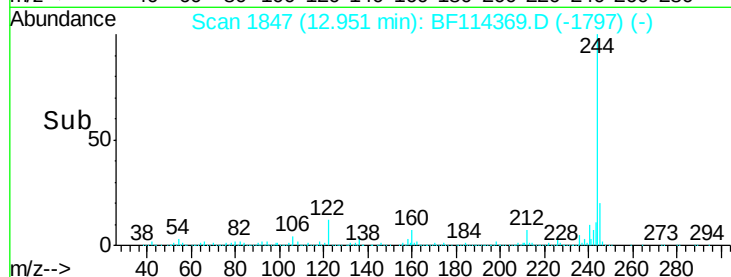
122 12.4 9.4 14.2



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: 2.449 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

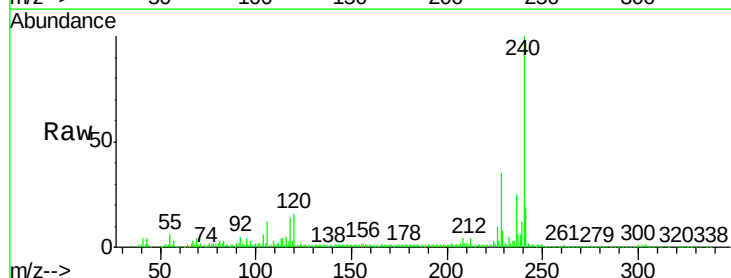
Tgt Ion:228 Resp: 80535

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.2

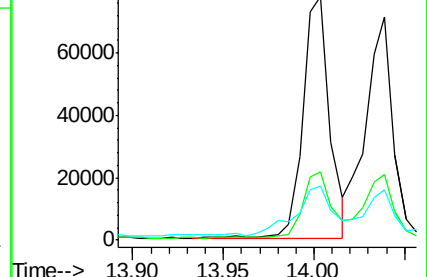
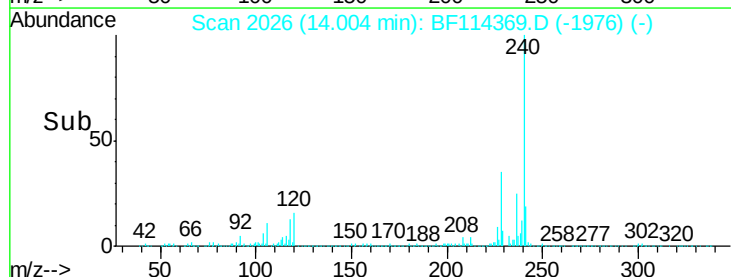
229 22.4 16.4 24.6

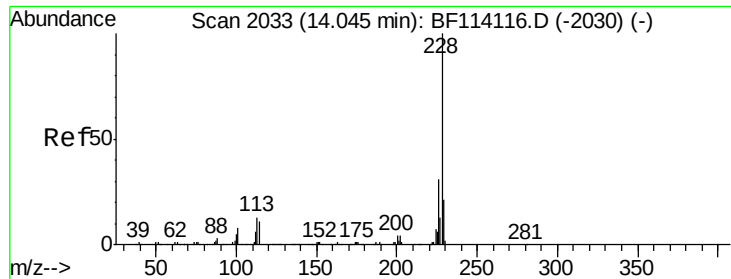


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

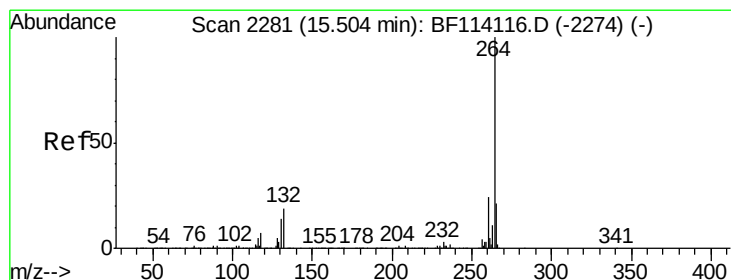
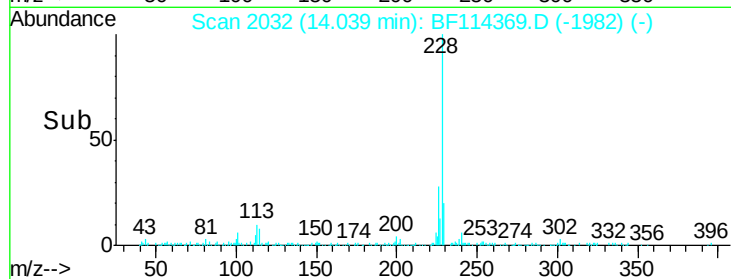
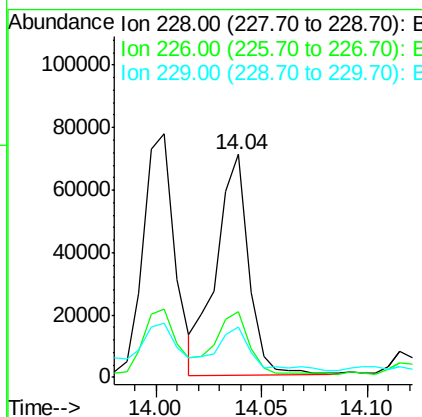
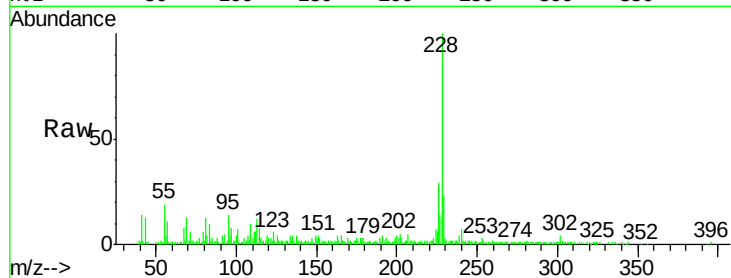




#83
 Chrysene
 Concen: 2.338 ng
 RT: 14.04 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF114369.D
 Acq: 18 May 2019 00:43

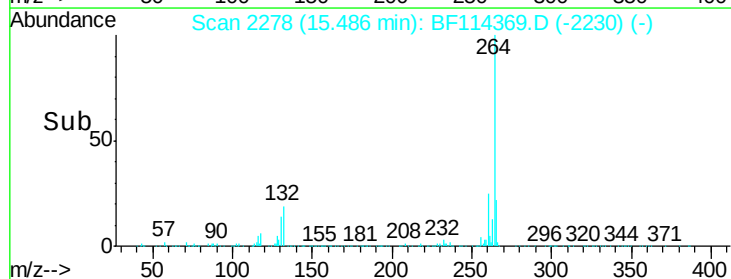
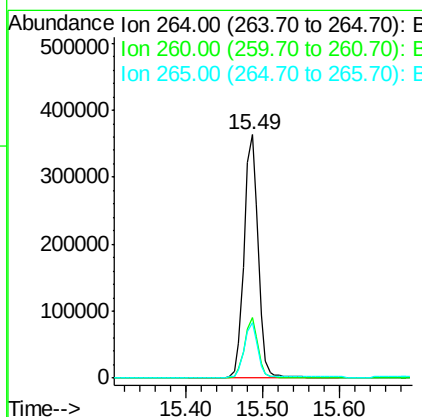
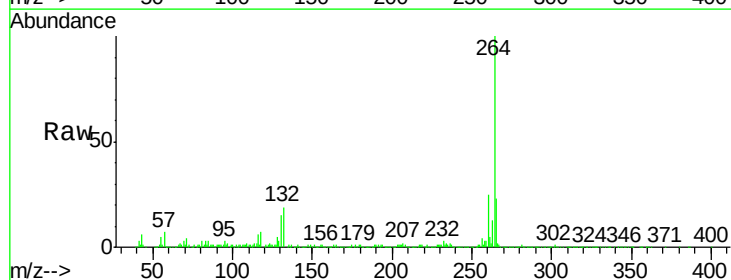
Instrument :
 BNA_F
 ClientSampleId :

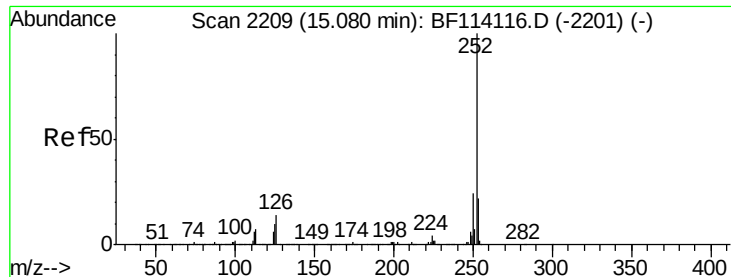
Tot Ion:228 Resp: 75389
 Ion Ratio Lower Upper
 228 100
 226 29.3 25.0 37.6
 229 22.7 17.0 25.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BF114369.D
 Acq: 18 May 2019 00:43

Tgt Ion:264 Resp: 467800
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.4 29.0
 265 22.5 16.9 25.3





#88

Benzo(b)fluoranthene

Concen: 4.044 ng

RT: 15.06 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BF114369.D

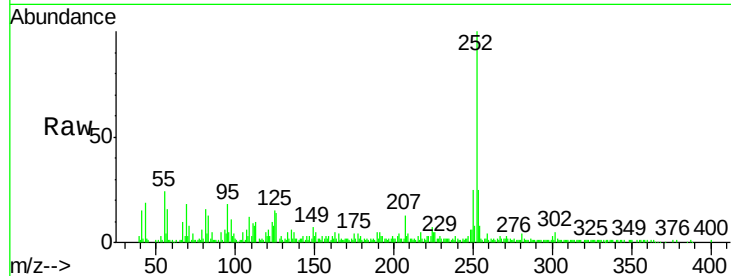
Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

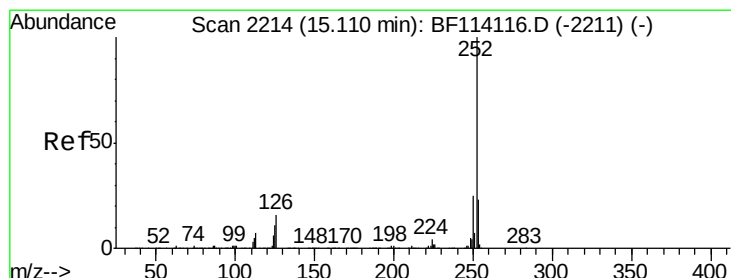
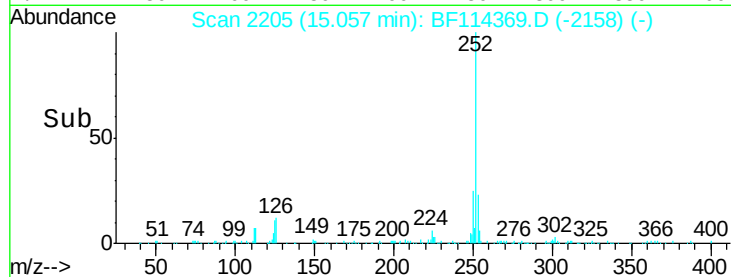
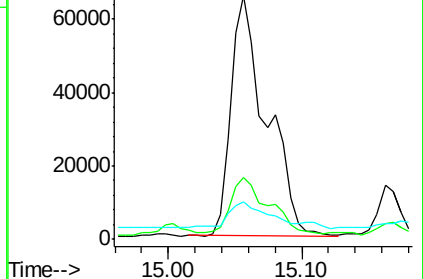
Tot Ion:252	Resp:	121207
Ion Ratio	Lower	Upper
252	100	
253	25.2	17.8 26.8
125	15.2	8.3 12.5#



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



#89

Benzo(k)fluoranthene

Concen: 4.403 ng

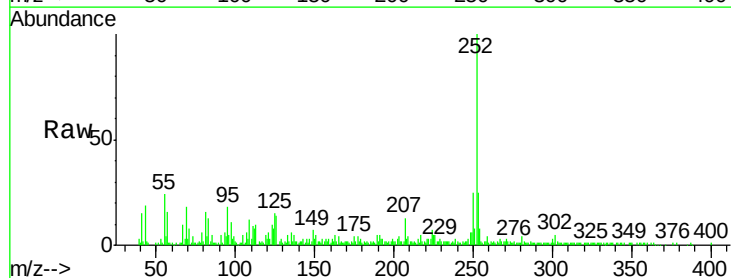
RT: 15.06 min Scan# 2205

Delta R.T. -0.05 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

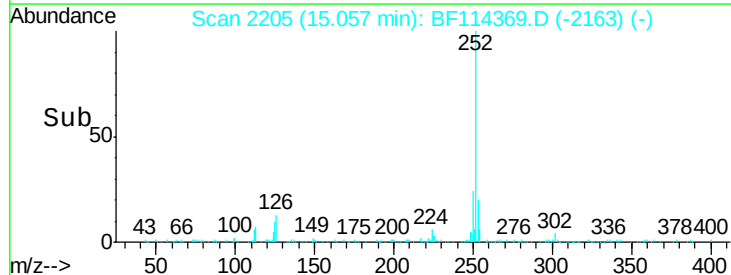
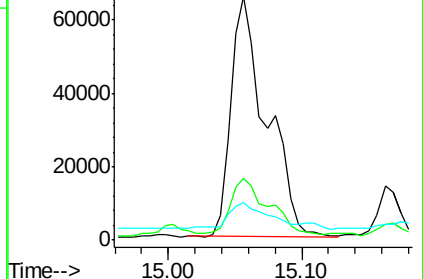
Tgt Ion:252	Resp:	121207
Ion Ratio	Lower	Upper
252	100	
253	25.2	18.2 27.2
125	15.2	8.6 13.0#

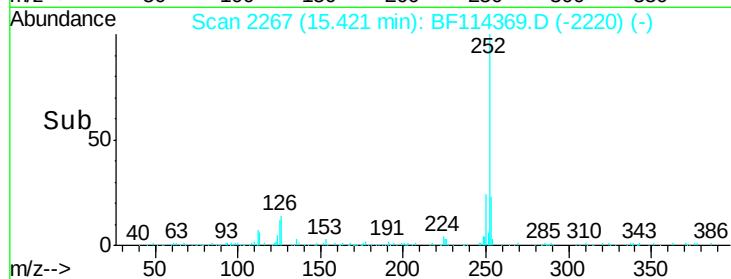
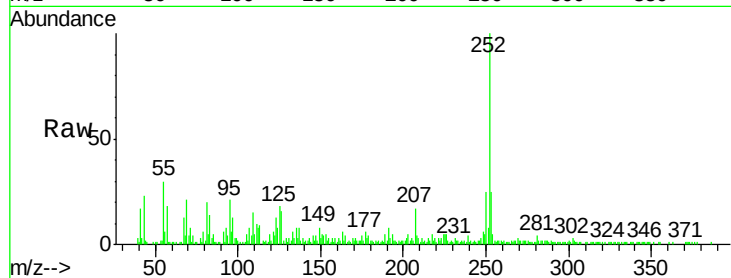
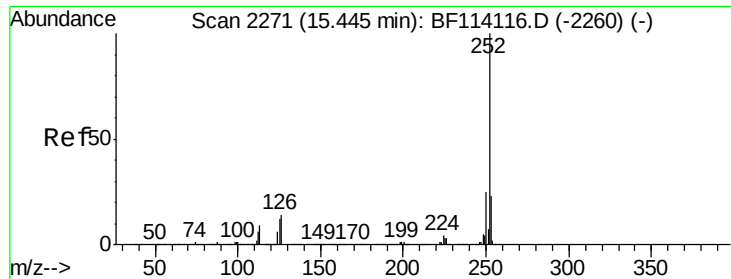


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.395 ng

RT: 15.42 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF114369.D

Acq: 18 May 2019 00:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 63169

Ion Ratio Lower Upper

252 100

253 24.6 18.1 27.1

125 18.0 9.5 14.3#

