

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051819\
 Data File : BF114396.D
 Acq On : 18 May 2019 17:30
 Operator : JU/SJ
 Sample : K2896-03 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 04:10:44 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

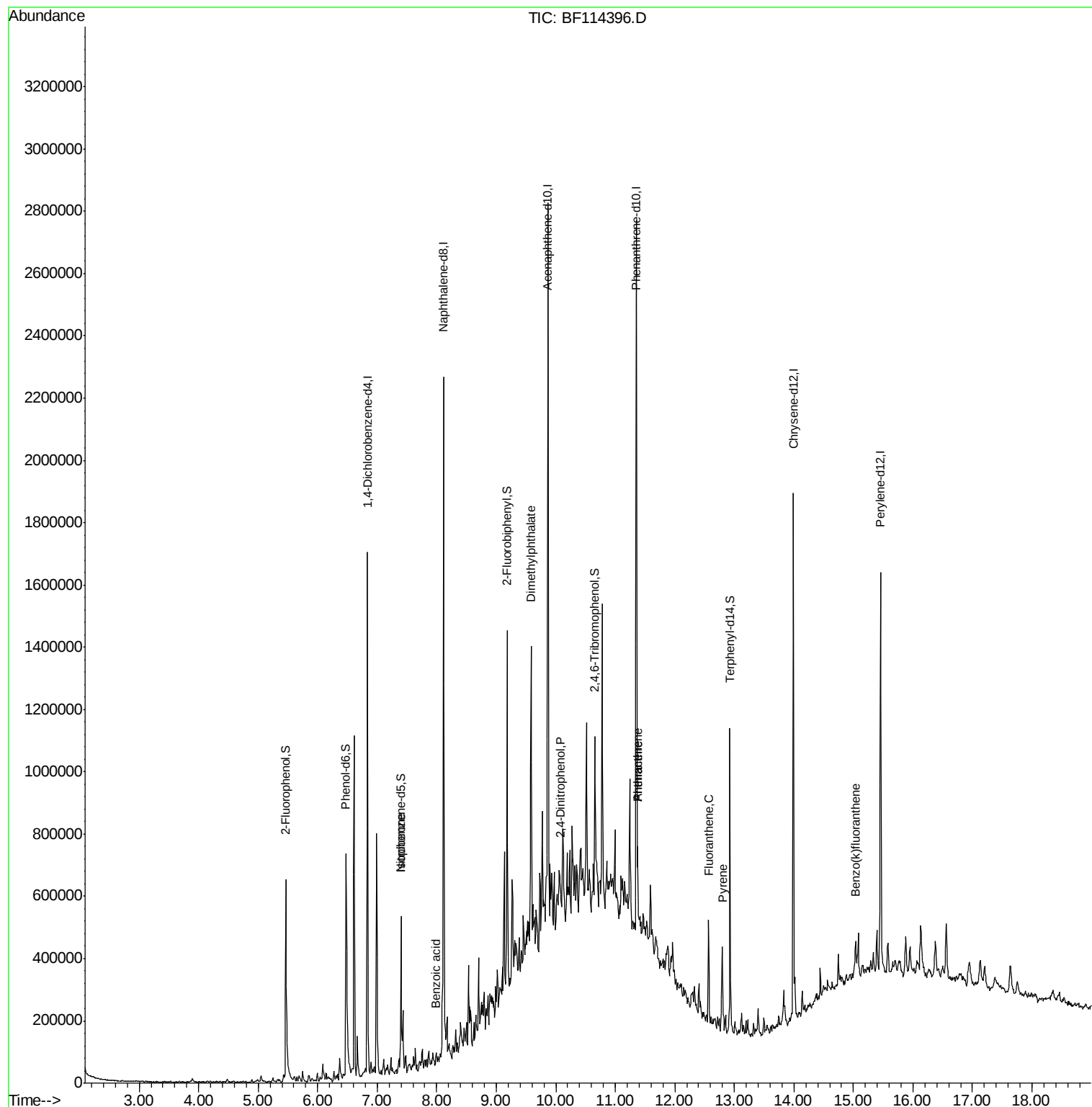
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	247212	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	973673	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	448205	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	863477	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	537717	20.00	ng	-0.03
87) Perylene-d12	15.46	264	579046	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	252084	16.41	ng	-0.02
7) Phenol-d6	6.47	99	369969	20.36	ng	-0.02
23) Nitrobenzene-d5	7.40	82	201083	11.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	58547	12.64	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	351160	11.85	ng	-0.02
79) Terphenyl-d14	12.93	244	317991	12.19	ng	-0.03
Target Compounds						
25) Isophorone	7.40	82	201083	6.249	ng	# 65
32) Benzoic acid	8.00	122	108	7.030	ng	# 16
50) Dimethylphthalate	9.58	163	70310	2.137	ng	# 95
54) 2,4-Dinitrophenol	10.08	184	253	6.808	ng	# 1
71) Phenanthrene	11.37	178	90517	2.155	ng	97
72) Anthracene	11.37	178	90517	2.145	ng	98
75) Fluoranthene	12.57	202	129253	2.857	ng	99
78) Pyrene	12.80	202	114765	2.653	ng	97
89) Benzo(k)fluoranthene	15.03	252	73595	2.160	ng	# 89

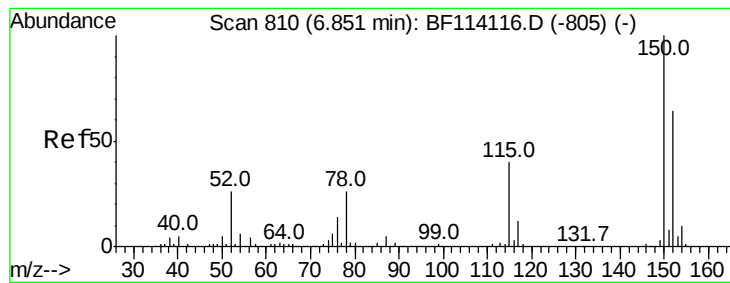
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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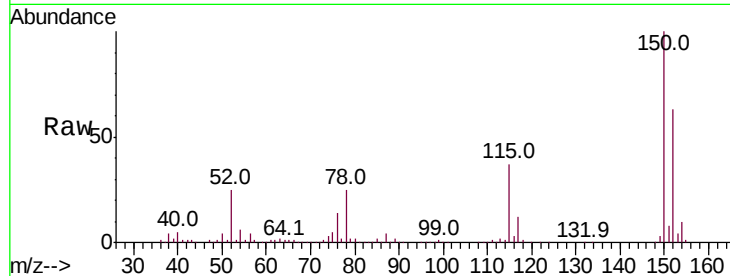


#1

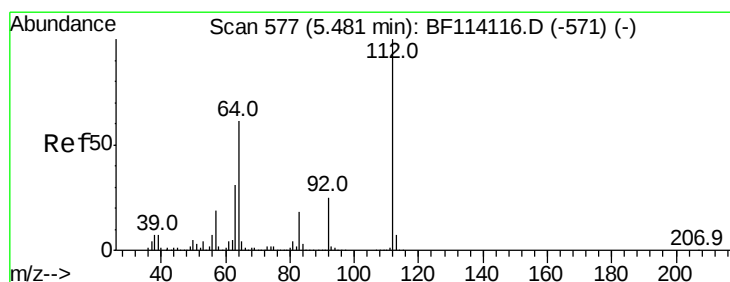
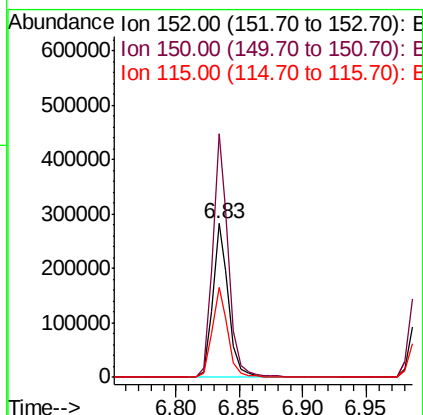
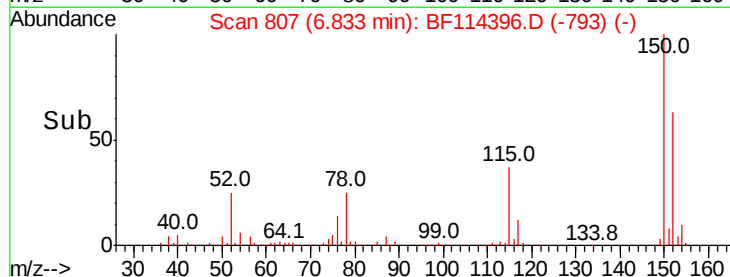
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF114396.D
Acq: 18 May 2019 17:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 247212
Ion Ratio Lower Upper
152 100
150 158.7 124.3 186.5
115 58.5 49.1 73.7



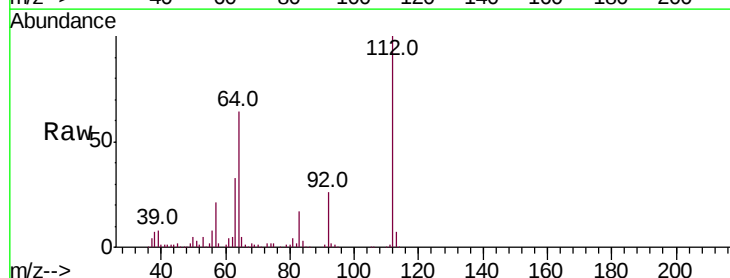
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



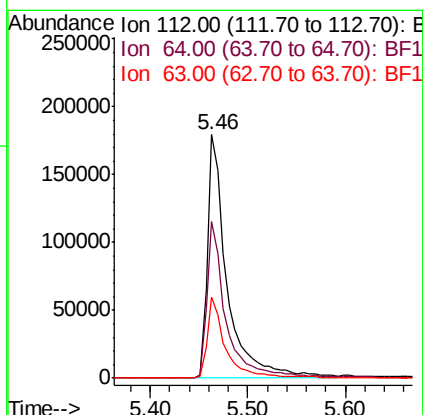
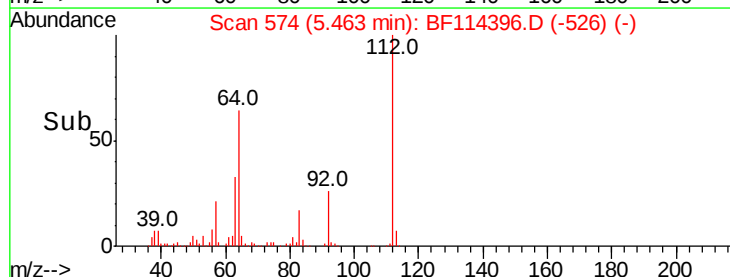
#5

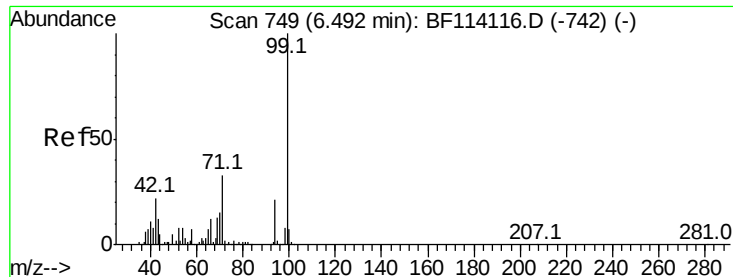
2-Fluorophenol
Concen: 16.410 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF114396.D
Acq: 18 May 2019 17:30

Tgt Ion:112 Resp: 252084
Ion Ratio Lower Upper
112 100
64 64.4 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: 20.363 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Instrument :

BNA_F

ClientSampleId :

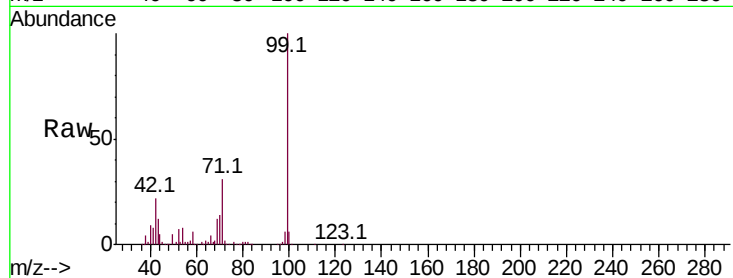
Tot Ion: 99 Resp: 369969

Ion Ratio Lower Upper

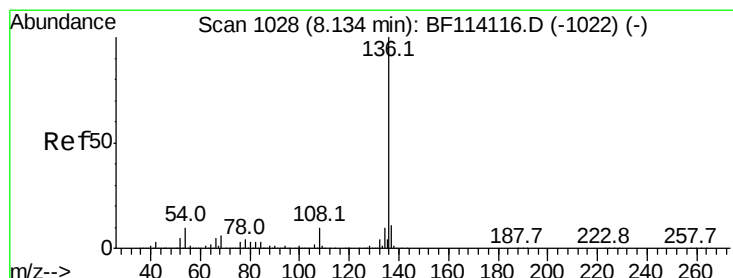
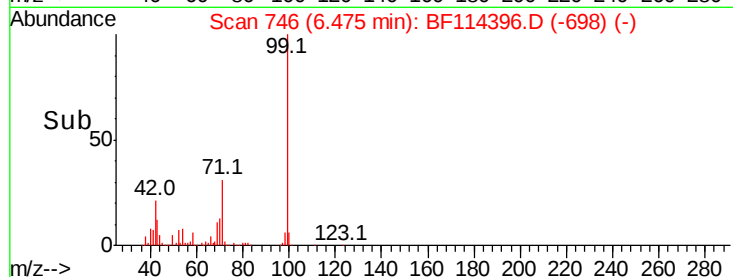
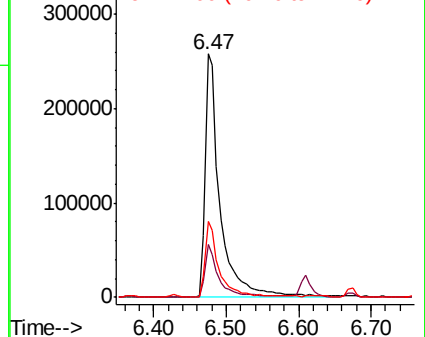
99 100

42 21.5 17.9 26.9

71 31.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.02 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Tgt Ion: 136 Resp: 973673

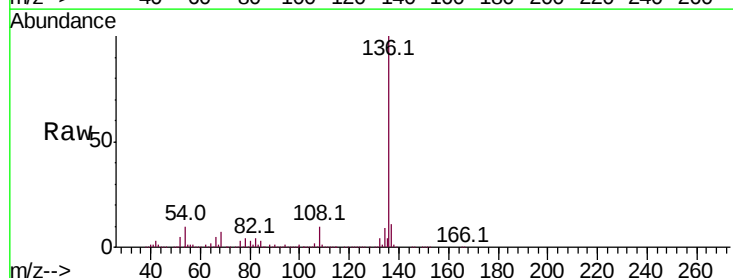
Ion Ratio Lower Upper

136 100

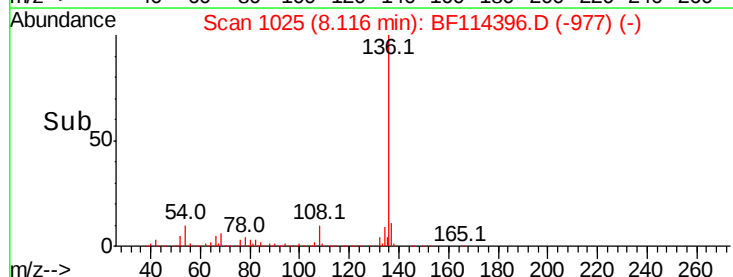
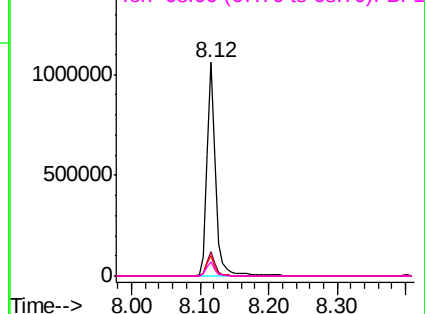
137 11.4 8.8 13.2

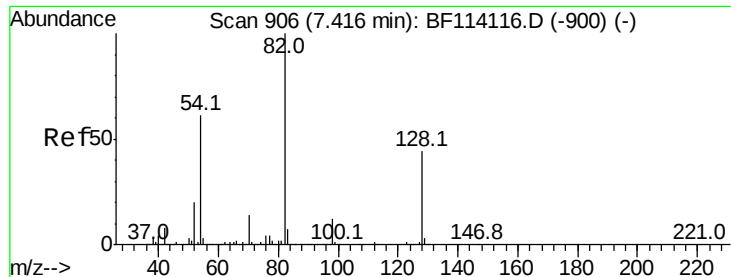
54 9.7 7.8 11.8

68 6.5 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

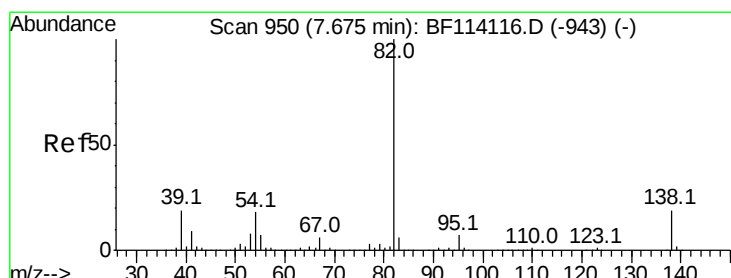
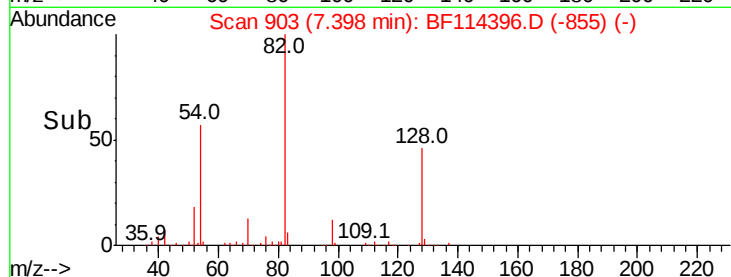
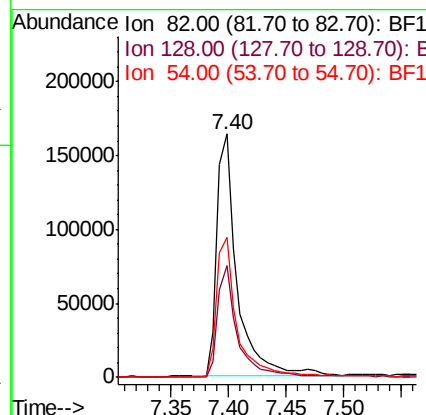
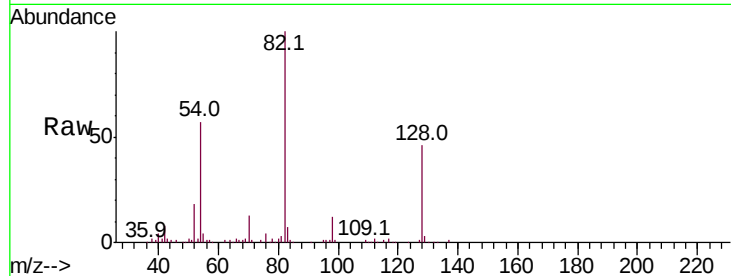




#23
 Nitrobenzene-d5
 Concen: 11.590 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF114396.D
 Acq: 18 May 2019 17:30

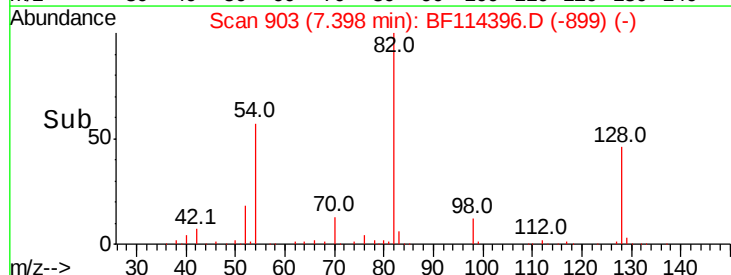
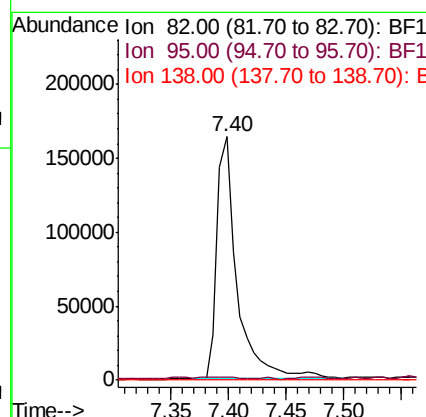
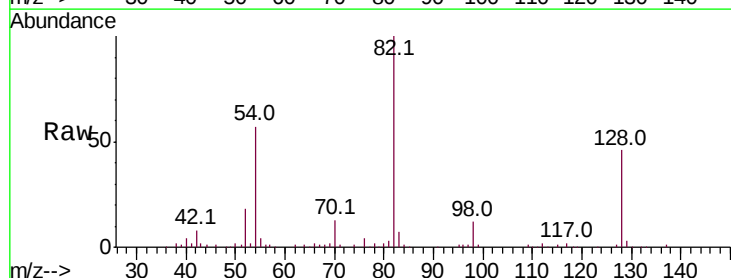
Instrument :
 BNA_F
 ClientSampled :

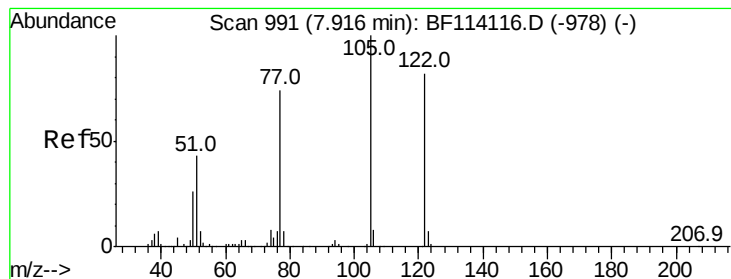
Tot Ion: 82 Resp: 201083
 Ion Ratio Lower Upper
 82 100
 128 45.9 35.5 53.3
 54 57.4 48.5 72.7



#25
 Isophorone
 Concen: 6.249 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.28 min
 Lab File: BF114396.D
 Acq: 18 May 2019 17:30

Tgt Ion: 82 Resp: 201083
 Ion Ratio Lower Upper
 82 100
 95 1.2 5.6 8.4#
 138 0.0 14.8 22.2#





#32

Benzoic acid

Concen: 7.030 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.08 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Instrument :

BNA_F

ClientSampled :

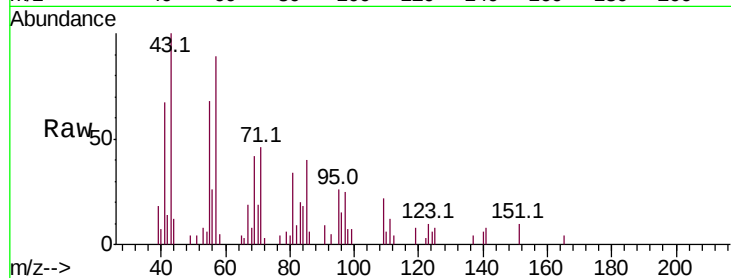
Tot Ion:122 Resp: 108

Ion Ratio Lower Upper

122 100

105 0.0 99.9 139.9#

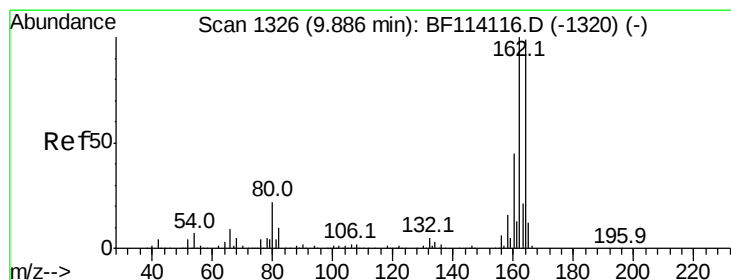
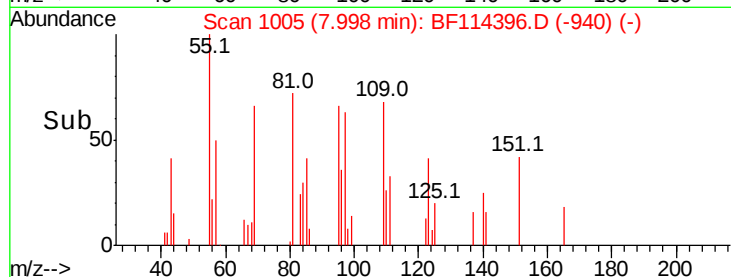
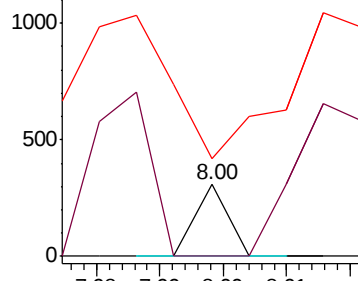
77 137.1 69.4 109.4#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

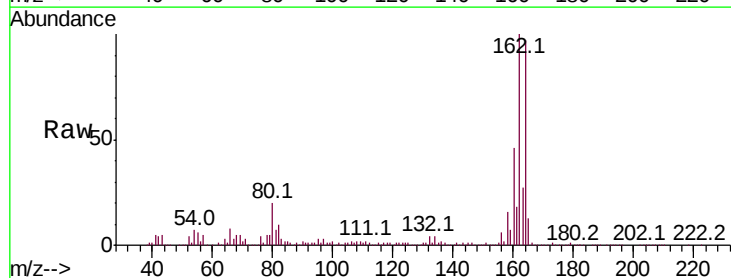
Tgt Ion:164 Resp: 448205

Ion Ratio Lower Upper

164 100

162 102.7 80.6 120.8

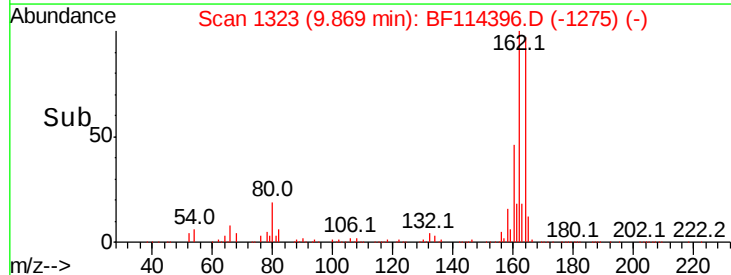
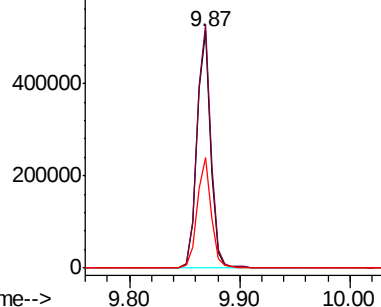
160 46.8 36.5 54.7

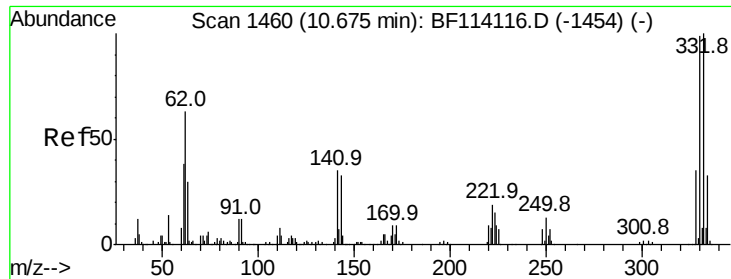


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

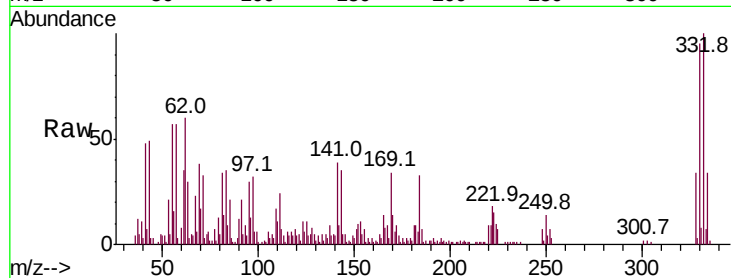




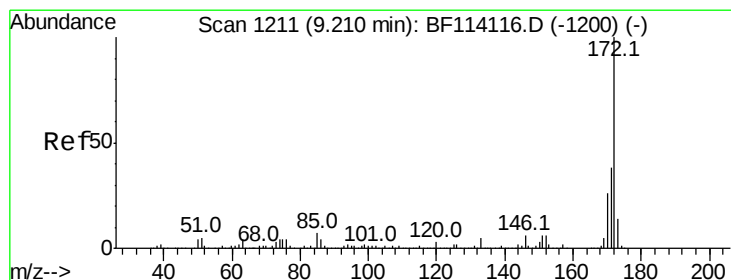
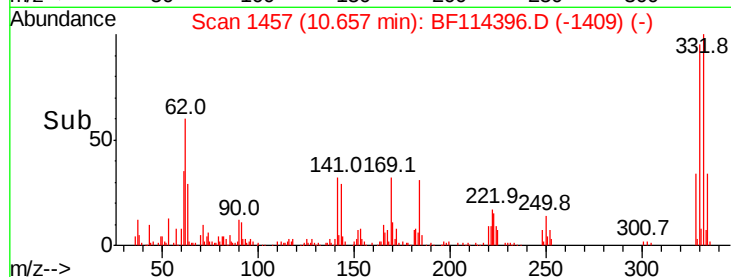
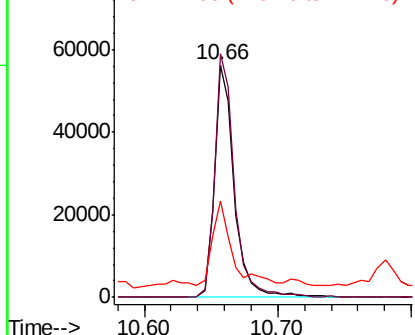
#42
 2,4,6-Tribromophenol
 Concen: 12.635 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF114396.D
 Acq: 18 May 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 58547
 Ion Ratio Lower Upper
 330 100
 332 104.3 81.4 122.2
 141 34.7 26.6 40.0

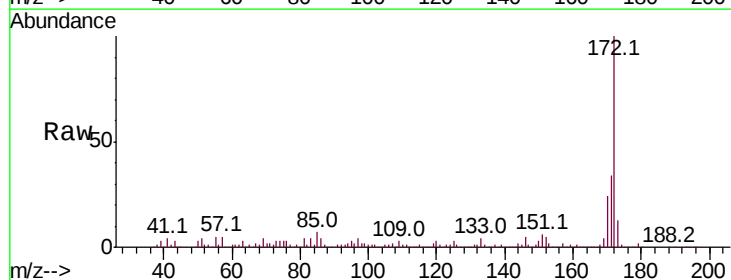


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

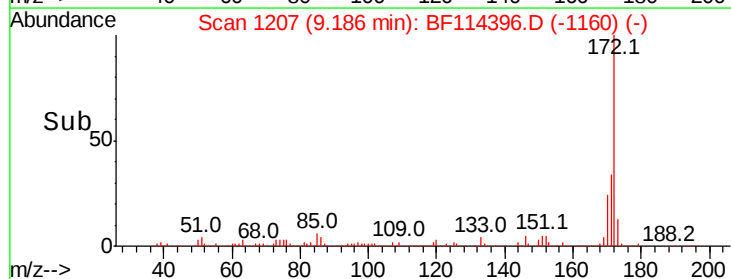
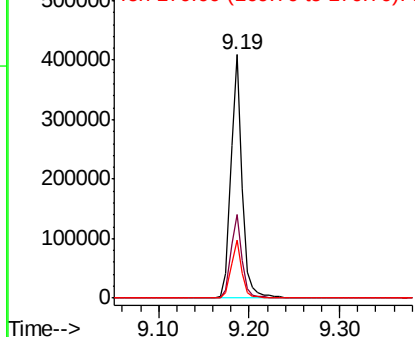


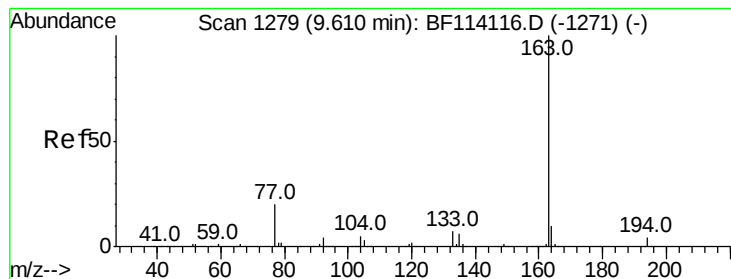
#45
 2-Fluorobiphenyl
 Concen: 11.851 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF114396.D
 Acq: 18 May 2019 17:30

Tgt Ion:172 Resp: 351160
 Ion Ratio Lower Upper
 172 100
 171 34.3 30.7 46.1
 170 23.9 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: 2.137 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.03 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Instrument :

BNA_F

ClientSampled :

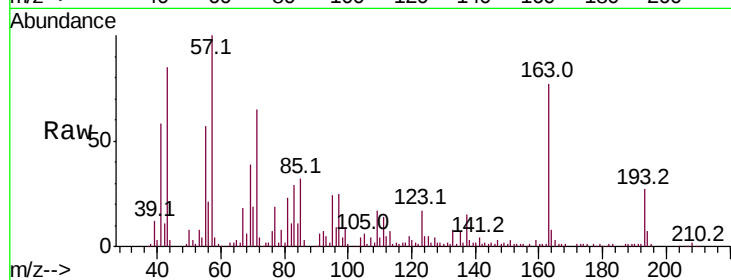
Tot Ion:163 Resp: 70310

Ion Ratio Lower Upper

163 100

194 9.2 3.4 5.0#

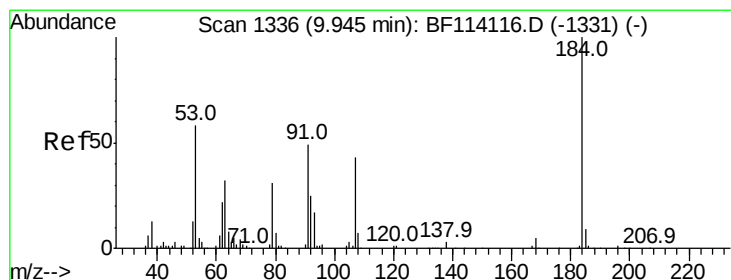
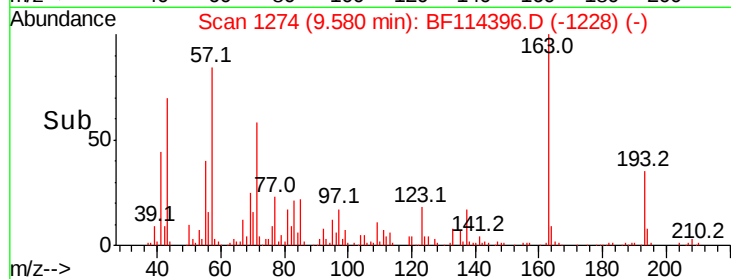
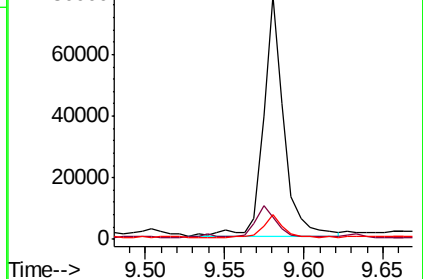
164 10.0 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 6.808 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.14 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

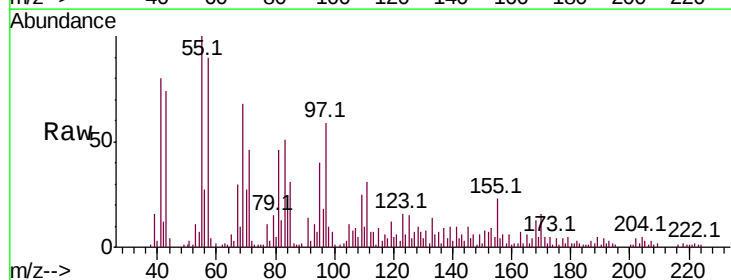
Tgt Ion:184 Resp: 253

Ion Ratio Lower Upper

184 100

63 228.3 55.6 83.4#

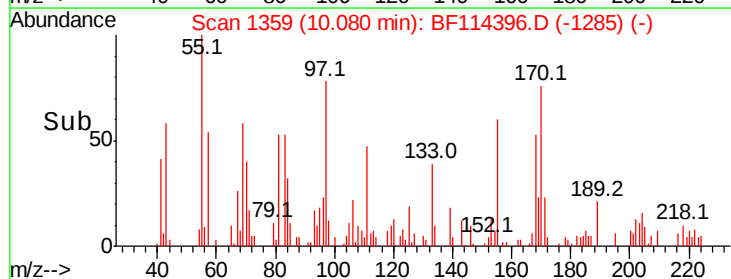
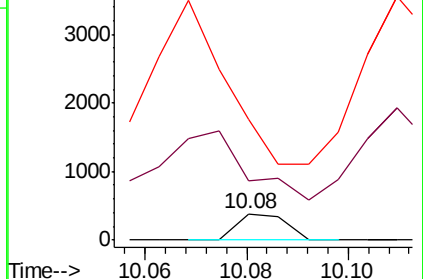
154 459.2 46.0 69.0#

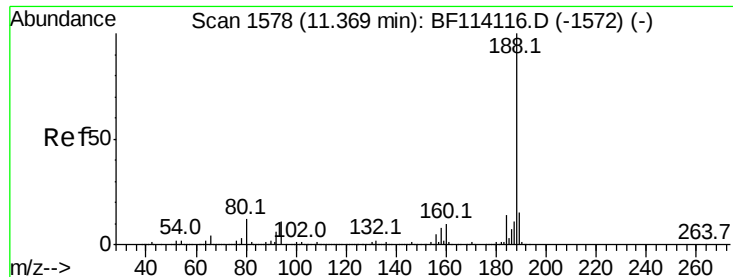


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

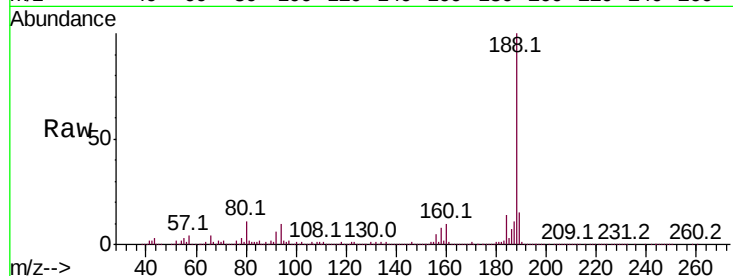




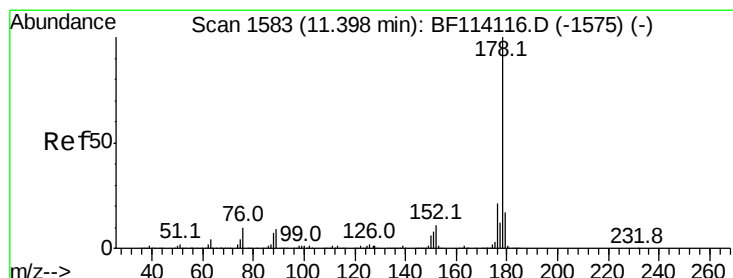
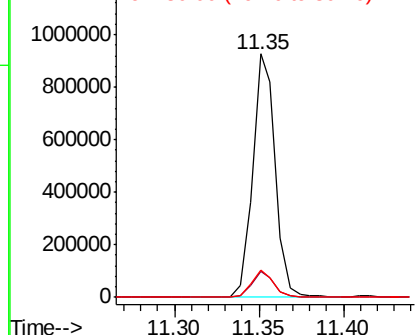
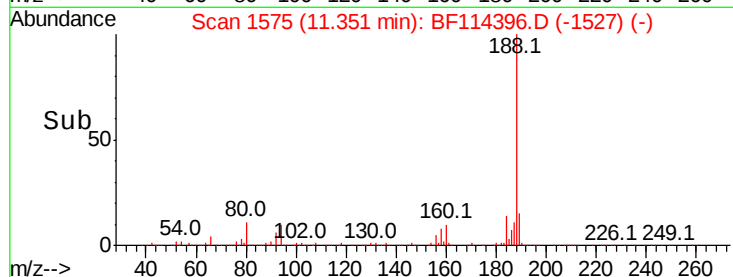
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF114396.D
Acq: 18 May 2019 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 863477
Ion Ratio Lower Upper
188 100
94 10.4 8.4 12.6
80 11.5 9.2 13.8

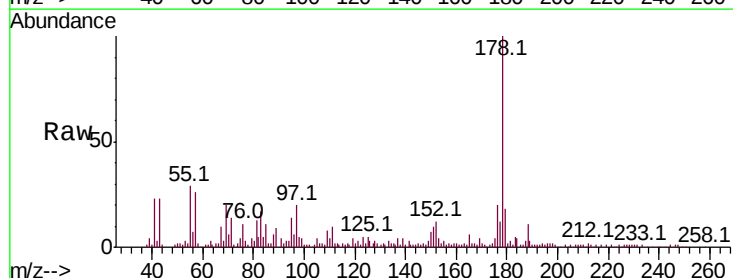


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

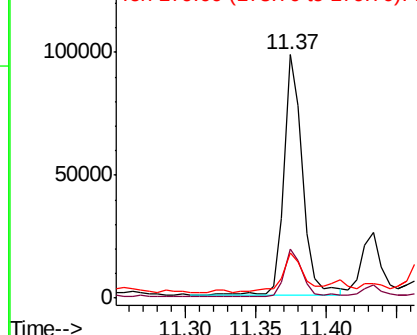
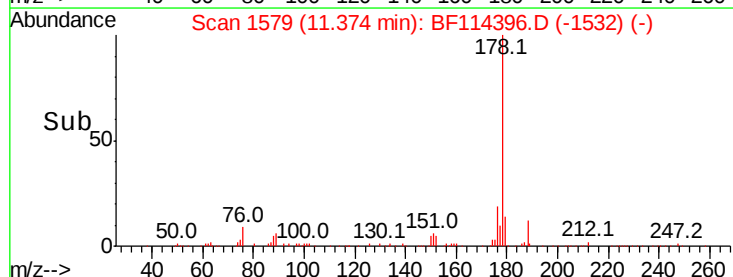


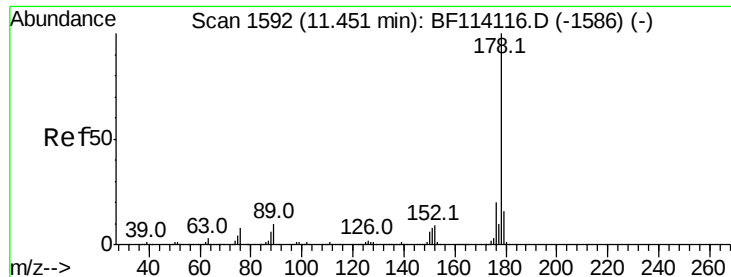
#71
Phenanthrene
Concen: 2.155 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF114396.D
Acq: 18 May 2019 17:30

Tgt Ion:178 Resp: 90517
Ion Ratio Lower Upper
178 100
176 19.9 16.4 24.6
179 18.3 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.145 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.08 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

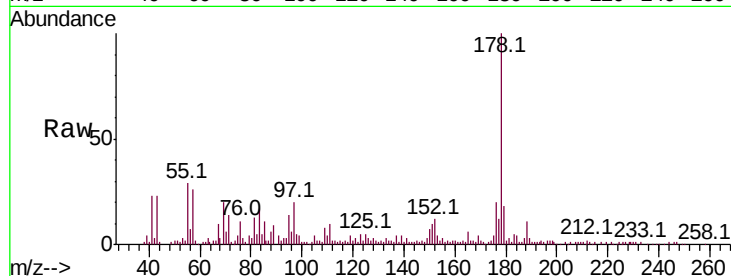
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 90517

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	18.3	13.0	19.4

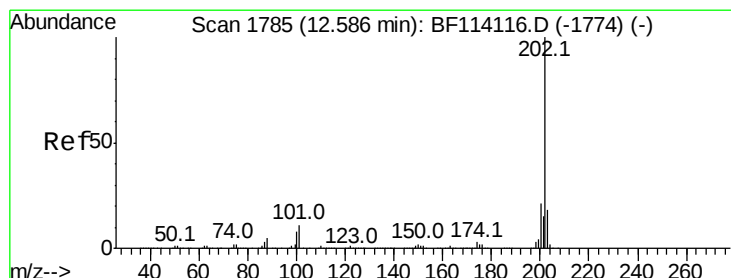
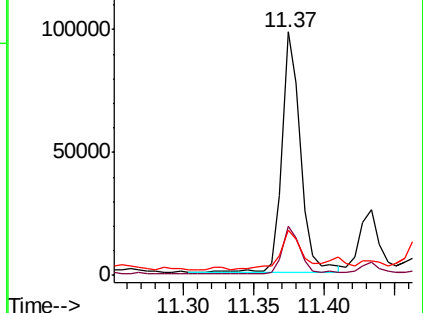
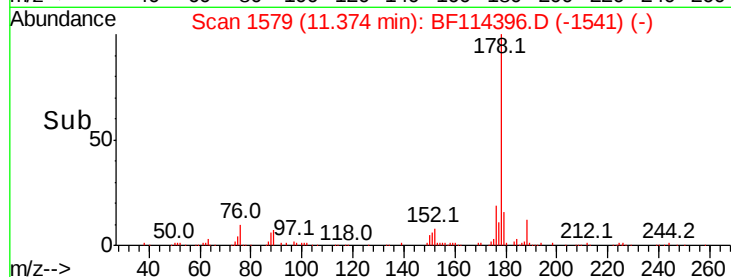


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 2.857 ng

RT: 12.57 min Scan# 1782

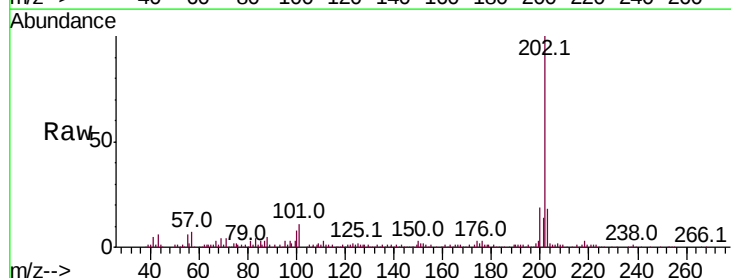
Delta R.T. -0.02 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Tgt Ion:202 Resp: 129253

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.0
203	17.8	0.0	38.4

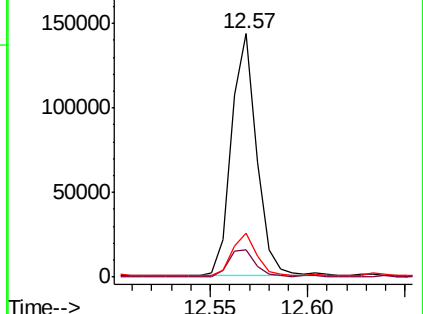
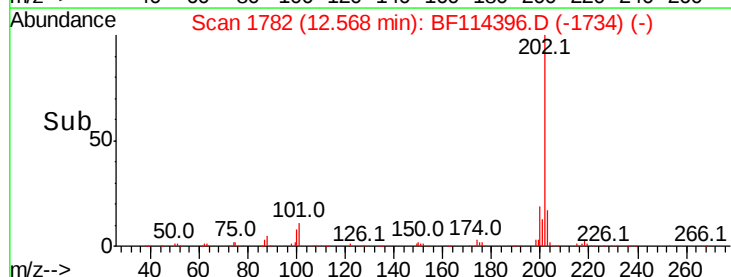


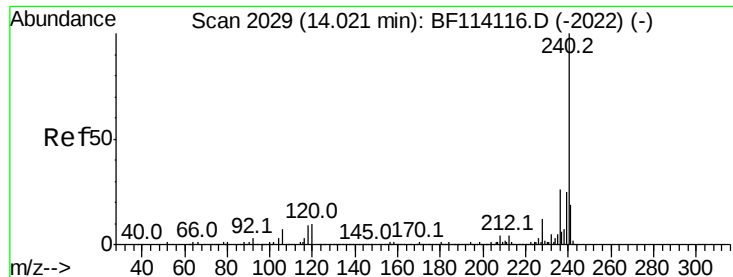
Abundance

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: 13.99 min Scan# 2024

Delta R.T. -0.03 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Instrument :

BNA_F

ClientSampleId :

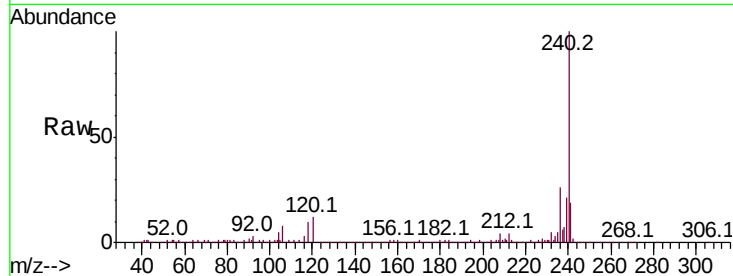
Tot Ion:240 Resp: 537717

Ion Ratio Lower Upper

240 100

120 12.1 8.3 12.5

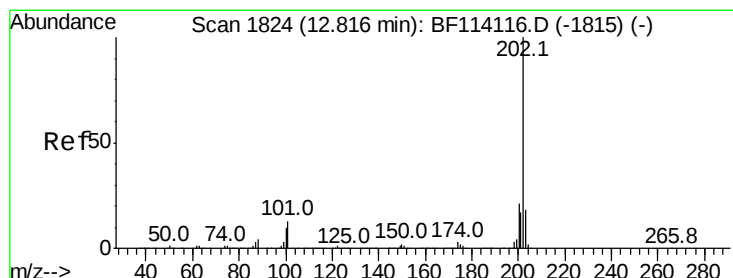
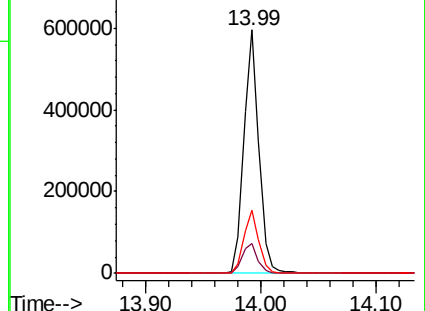
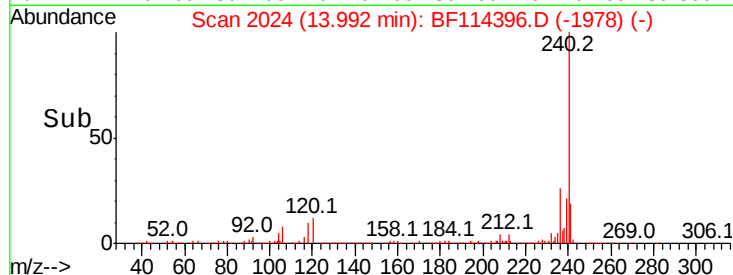
236 26.0 20.8 31.2



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

Pyrene

Concen: 2.653 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

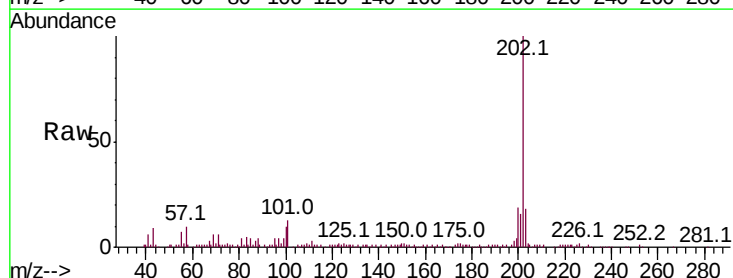
Tgt Ion:202 Resp: 114765

Ion Ratio Lower Upper

202 100

200 18.9 16.9 25.3

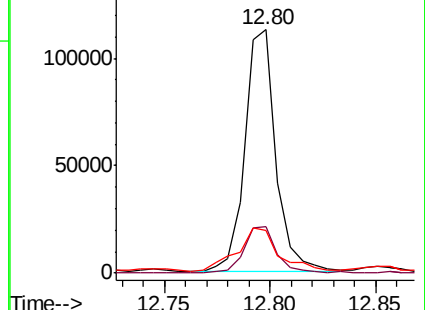
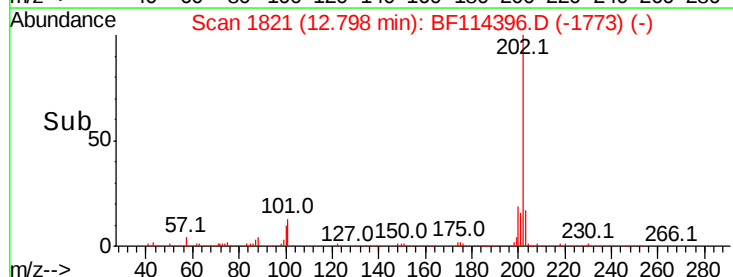
203 17.8 14.5 21.7

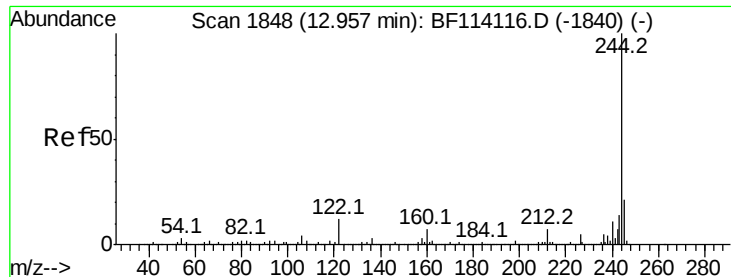


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.191 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.03 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

Instrument :

BNA_F

ClientSampleId :

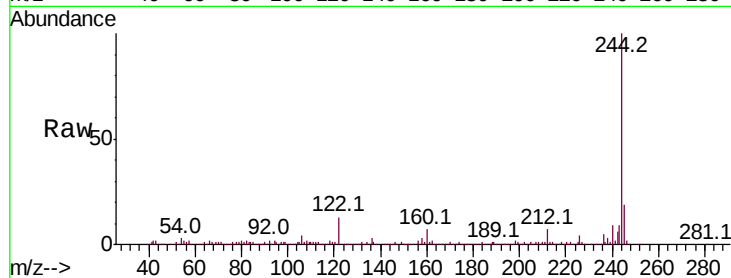
Tot Ion:244 Resp: 317991

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

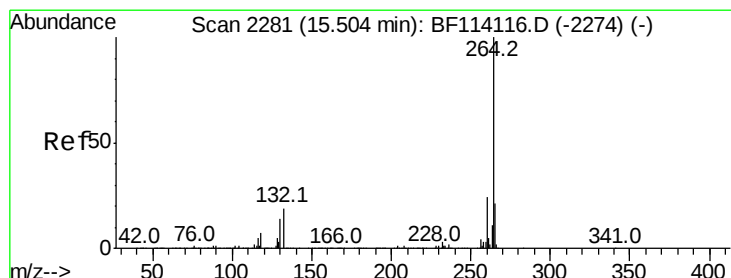
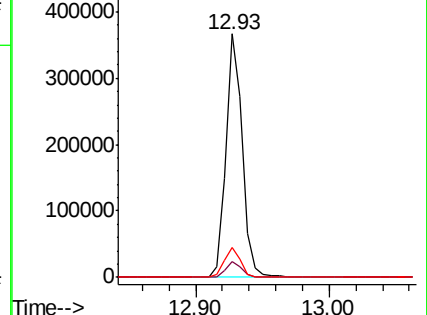
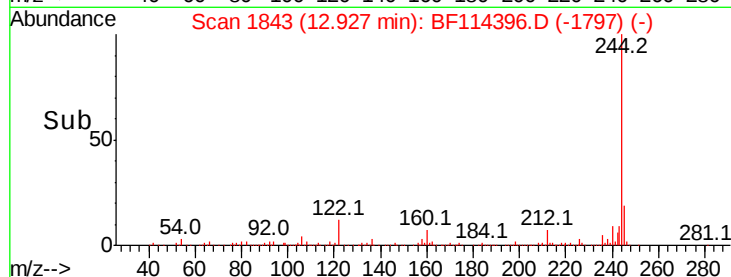
122 12.5 9.4 14.2



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. -0.05 min

Lab File: BF114396.D

Acq: 18 May 2019 17:30

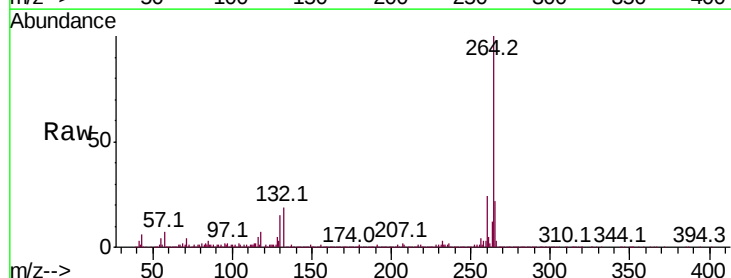
Tgt Ion:264 Resp: 579046

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.0

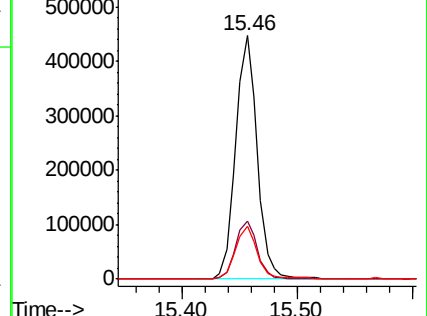
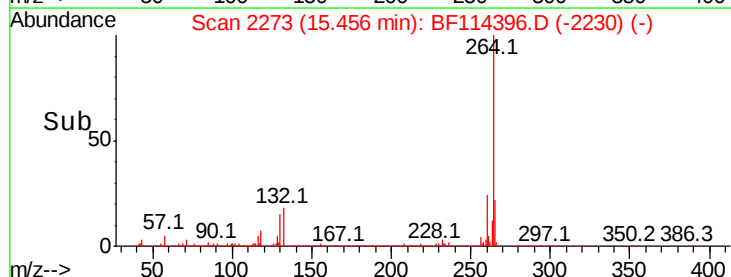
265 21.7 16.9 25.3

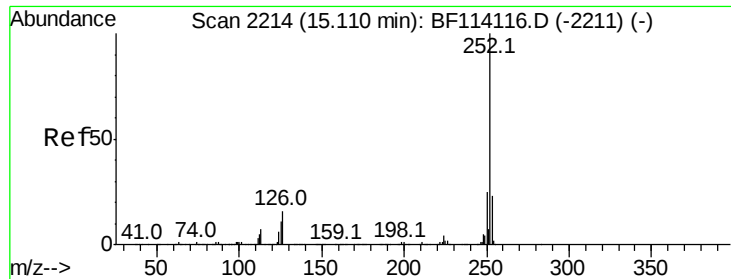


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

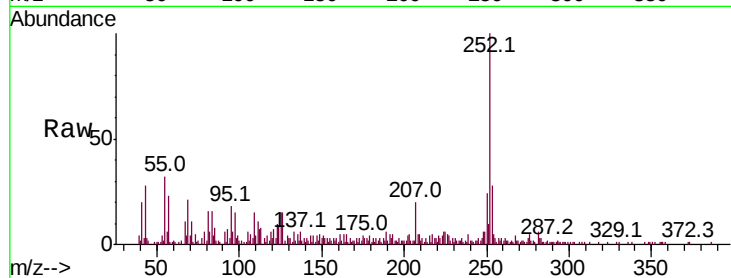




#89
 Benzo(k)fluoranthene
 Concen: 2.160 ng
 RT: 15.03 min Scan# 2201
 Delta R.T. -0.08 min
 Lab File: BF114396.D
 Acq: 18 May 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.2	27.2#
125	15.0	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

