

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\
 Data File : BF121720.D
 Acq On : 28 Sep 2020 19:15
 Operator : JU/CG
 Sample : L4154-04 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-1

Quant Time: Sep 29 00:29:53 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 11:40:42 2020
 Response via : Initial Calibration

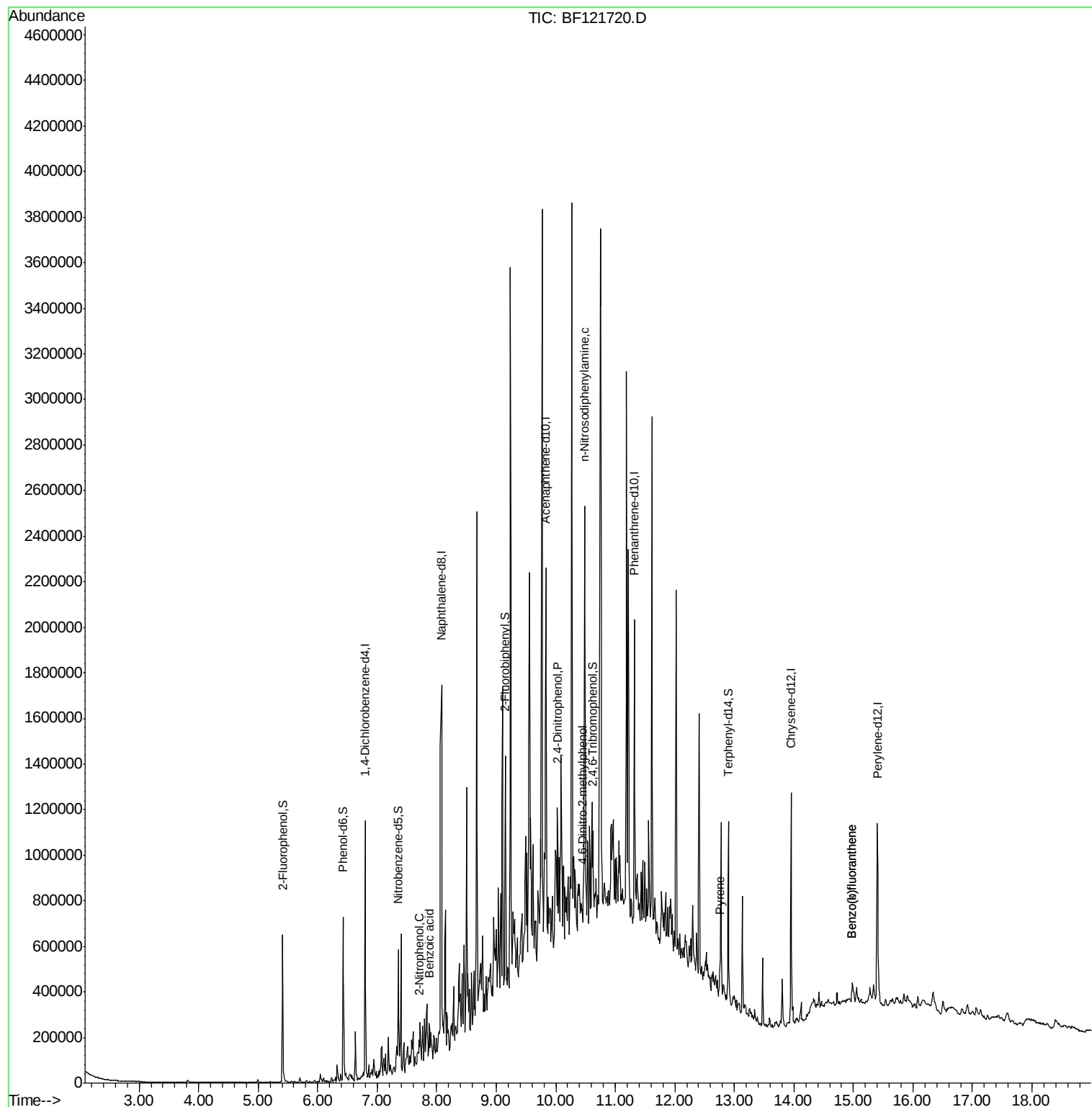
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	158622	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	589783	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	279654	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	437936	20.00	ng	0.00
76) Chrysene-d12	13.96	240	352691	20.00	ng	0.00
86) Perylene-d12	15.40	264	342602	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	181457	17.00	ng	0.00
7) Phenol-d6	6.43	99	234298	16.73	ng	-0.01
23) Nitrobenzene-d5	7.36	82	148930	13.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	47516	13.67	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	288253	15.61	ng	0.00
79) Terphenyl-d14	12.90	244	211931	12.17	ng	0.00
Target Compounds						
26) 2-Nitrophenol	7.70	139	913	2.714	ng	# 1
32) Benzoic acid	7.87	122	549	6.999	ng	# 1
54) 2,4-Dinitrophenol	10.03	184	119	9.090	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.45	198	123	6.891	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	33806	2.250	ng	# 55
78) Pyrene	12.76	202	57720	2.240	ng	# 97
88) Benzo(b)fluoranthene	14.98	252	52863	2.308	ng	# 90
89) Benzo(k)fluoranthene	14.98	252	52863	2.520	ng	# 88

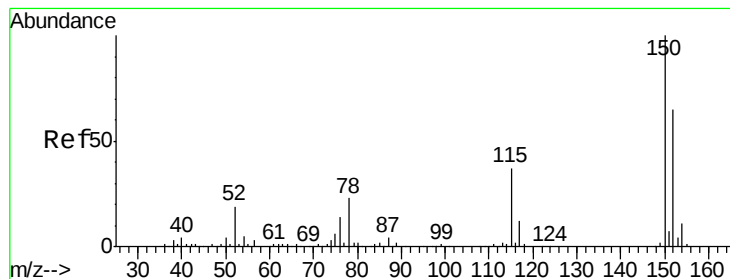
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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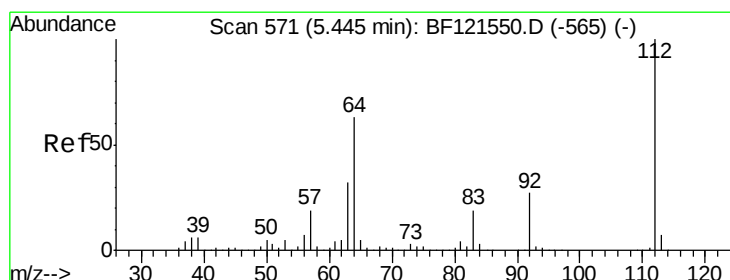
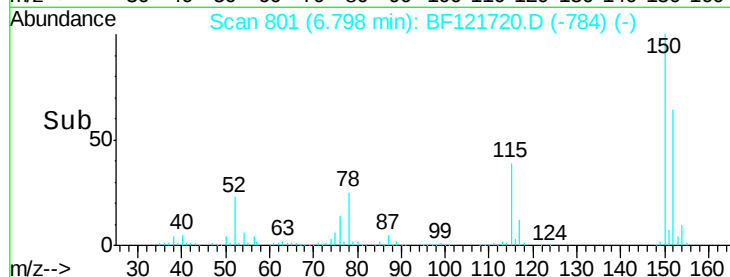
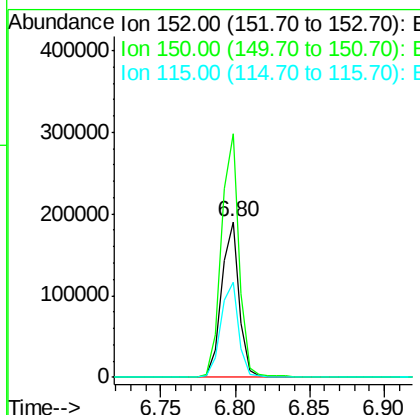
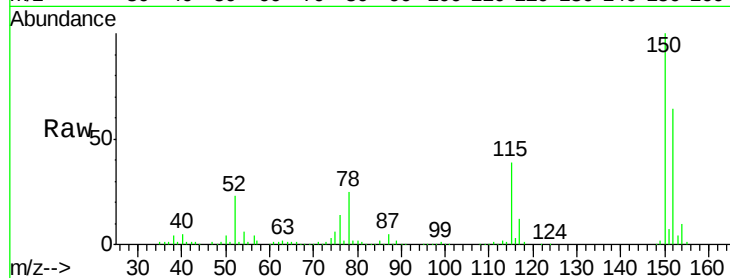


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF121720.D
Acq: 28 Sep 2020 19:15

Instrument :
BNA_F
ClientSampled :
DUP-1

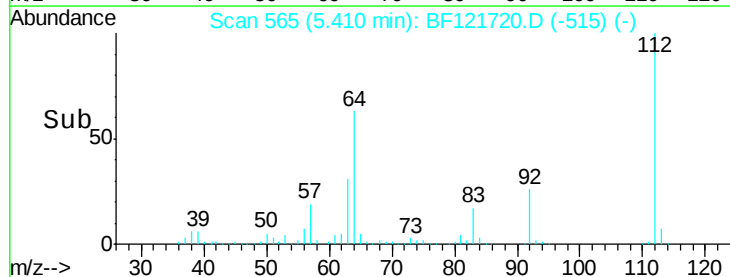
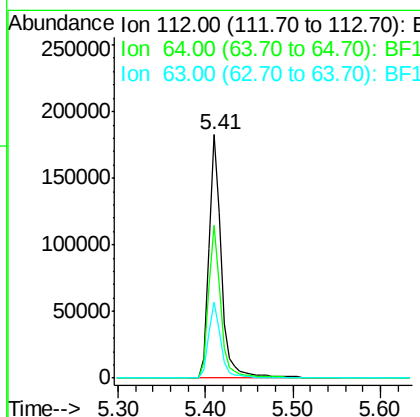
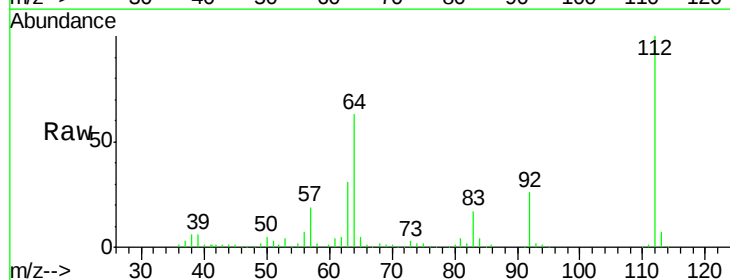
Tot Ion:152 Resp: 158622
Ion Ratio Lower Upper
152 100
150 156.7 122.6 184.0
115 60.9 47.1 70.7



#5

2-Fluorophenol
Concen: 17.001 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121720.D
Acq: 28 Sep 2020 19:15

Tgt Ion:112 Resp: 181457
Ion Ratio Lower Upper
112 100
64 62.7 49.5 74.3
63 31.4 25.4 38.0





#7

Phenol-d6

Concen: 16.732 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

Instrument :

BNA_F

ClientSampleId :

DUP-1

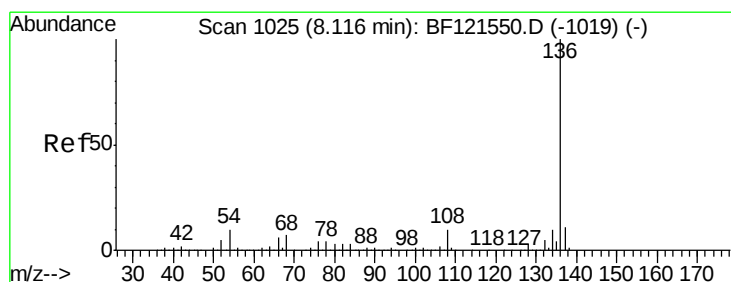
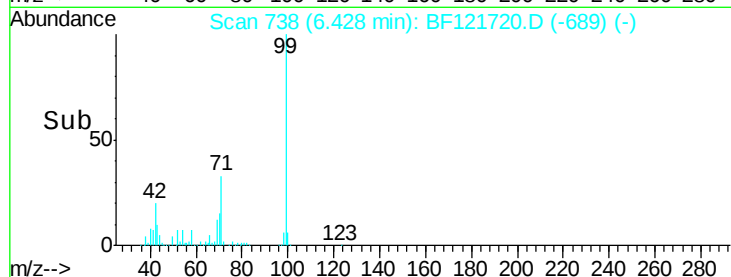
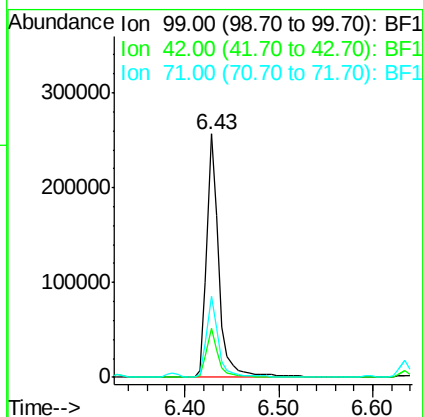
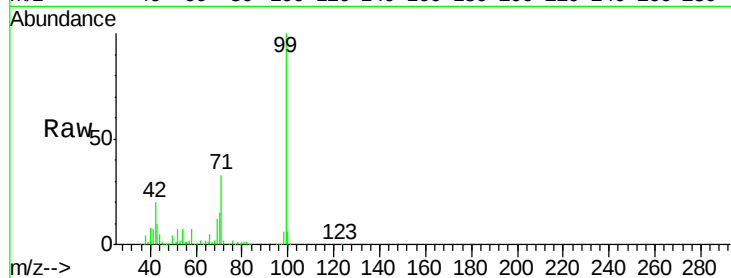
Tot Ion: 99 Resp: 234298

Ion Ratio Lower Upper

99 100

42 20.0 16.1 24.1

71 33.4 27.6 41.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

Tgt Ion: 136 Resp: 589783

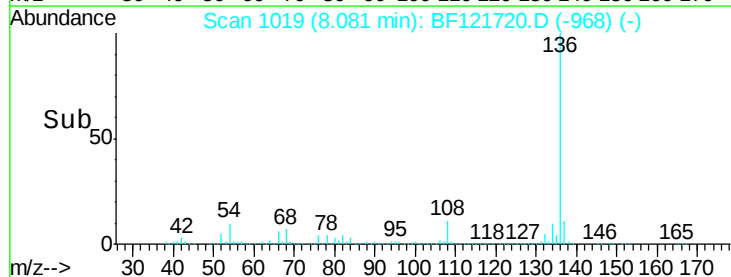
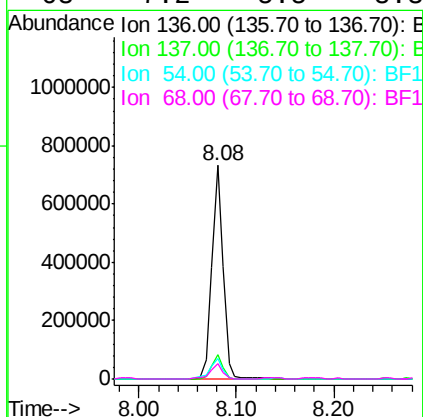
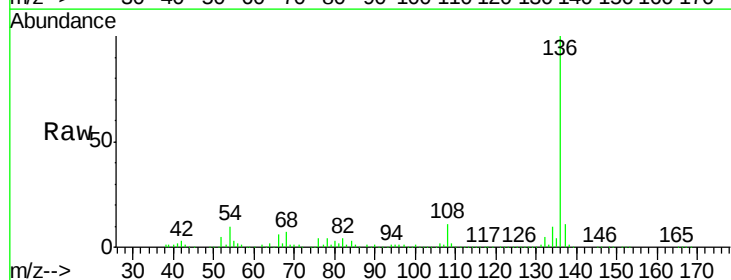
Ion Ratio Lower Upper

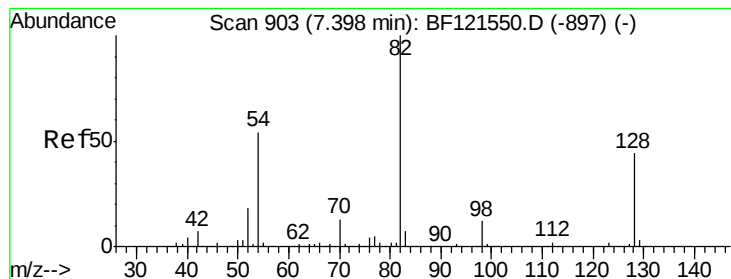
136 100

137 11.4 8.8 13.2

54 9.7 7.5 11.3

68 7.2 5.5 8.3





#23

Nitrobenzene-d5

Concen: 13.558 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

Instrument :

BNA_F

ClientSampled :

DUP-1

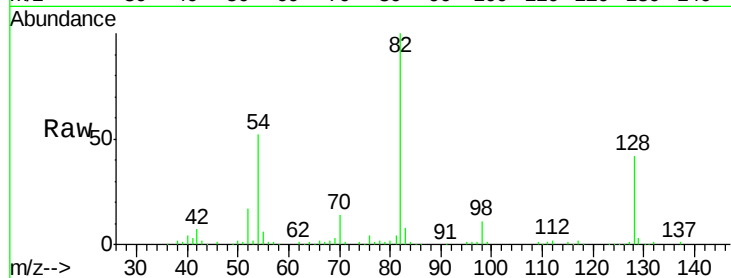
Tot Ion: 82 Resp: 148930

Ion Ratio Lower Upper

82 100

128 42.3 35.8 53.6

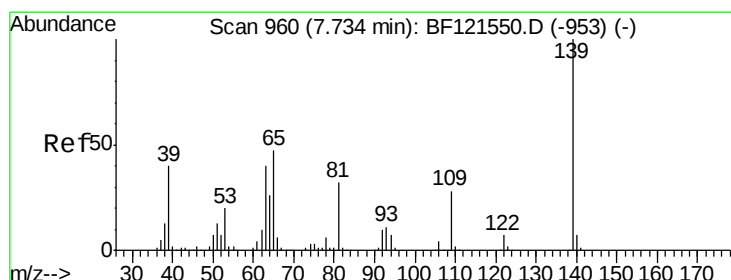
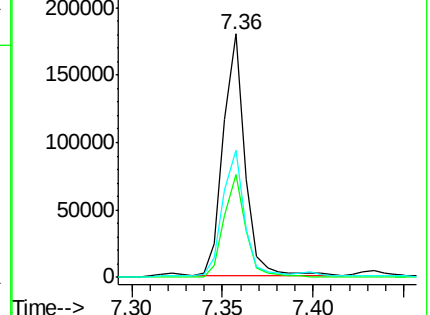
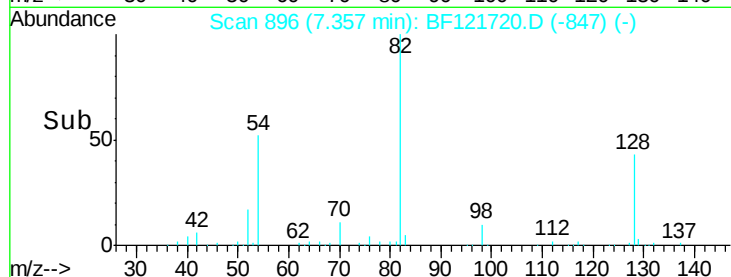
54 52.4 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#26

2-Nitrophenol

Concen: 2.714 ng

RT: 7.70 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

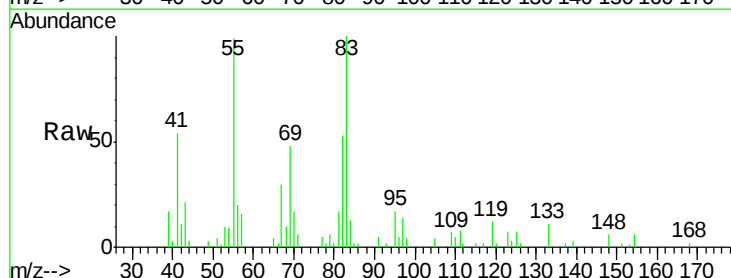
Tgt Ion: 139 Resp: 913

Ion Ratio Lower Upper

139 100

109 252.5 23.5 35.3#

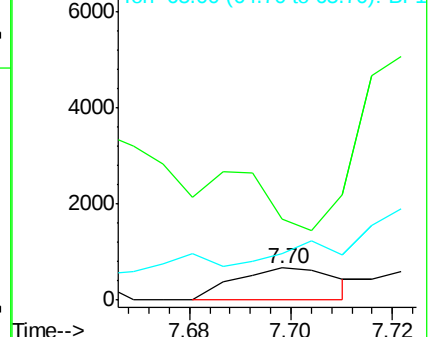
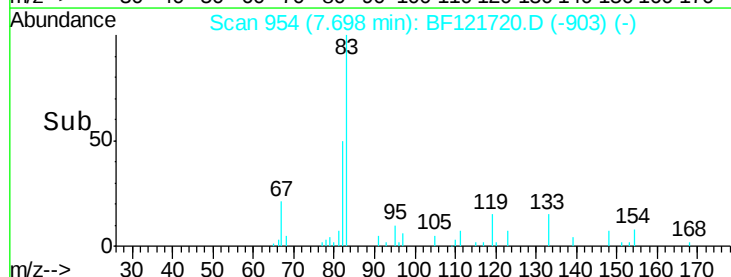
65 145.1 42.8 64.2#

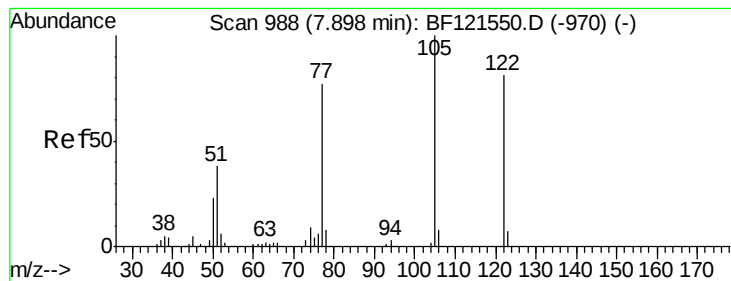


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#32

Benzoic acid

Concen: 6.999 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

Instrument :

BNA_F

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DUP-1

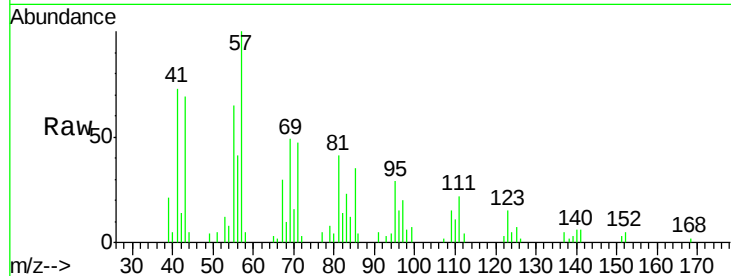
Tot Ion:122 Resp: 549

Ion Ratio Lower Upper

122 100

105 0.0 101.7 141.7#

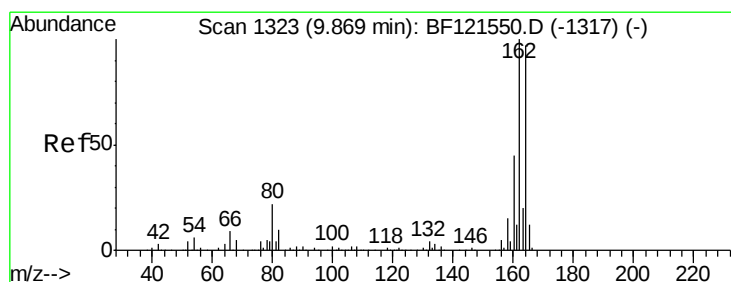
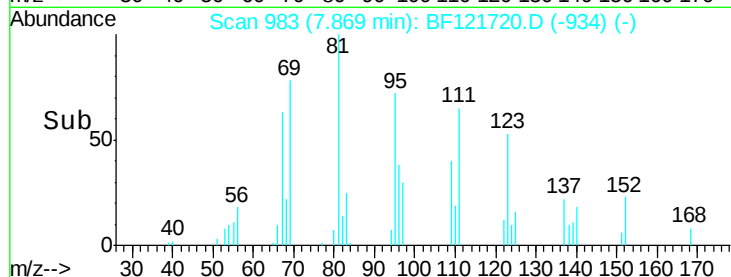
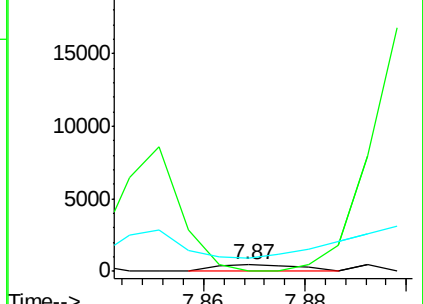
77 198.9 72.8 112.8#



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: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

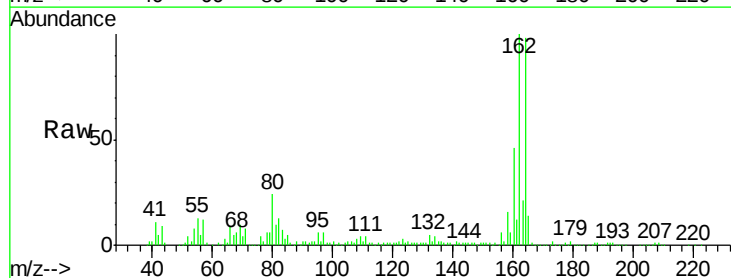
Tgt Ion:164 Resp: 279654

Ion Ratio Lower Upper

164 100

162 101.7 82.1 123.1

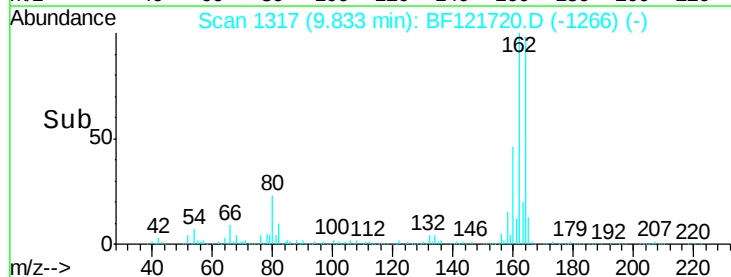
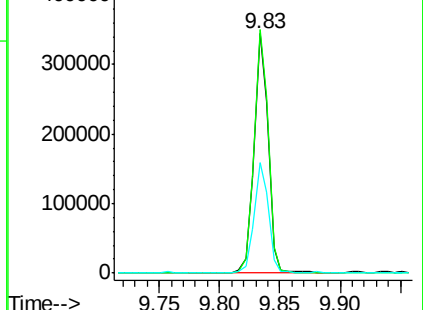
160 46.4 36.8 55.2

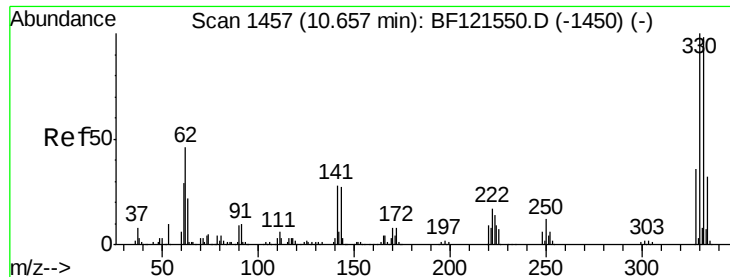


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 13.671 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

Instrument :

BNA_F

ClientSampleId :

DUP-1

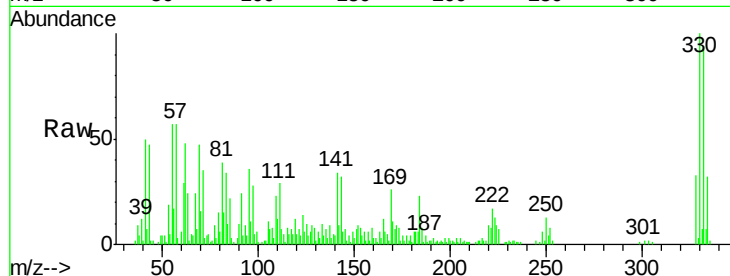
Tot Ion:330 Resp: 47516

Ion Ratio Lower Upper

330 100

332 95.0 76.0 114.0

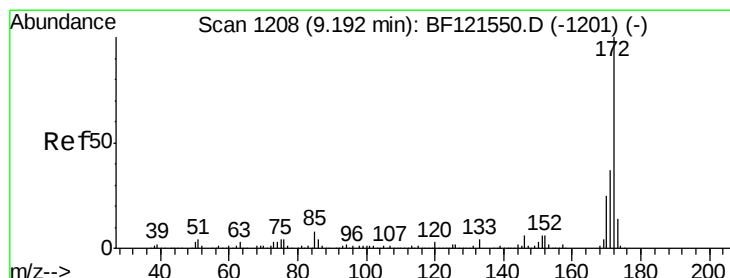
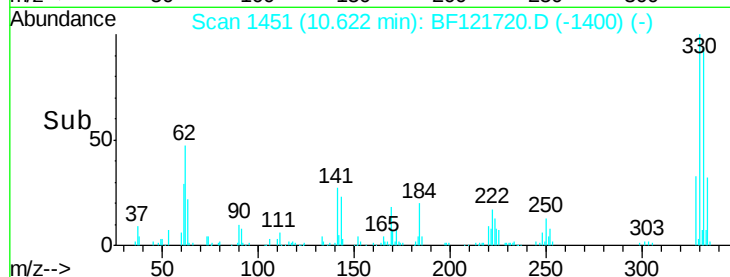
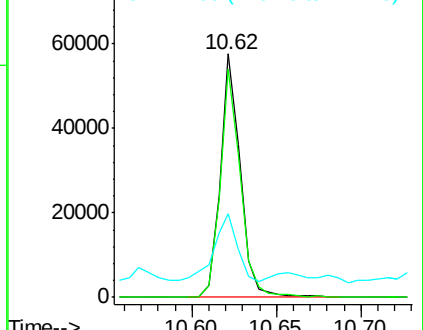
141 32.6 22.2 33.4



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: 15.611 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

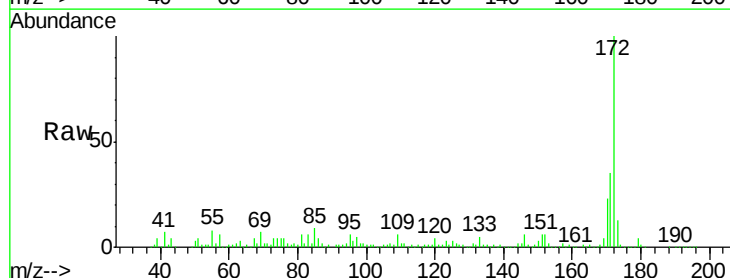
Tgt Ion:172 Resp: 288253

Ion Ratio Lower Upper

172 100

171 35.2 29.0 43.6

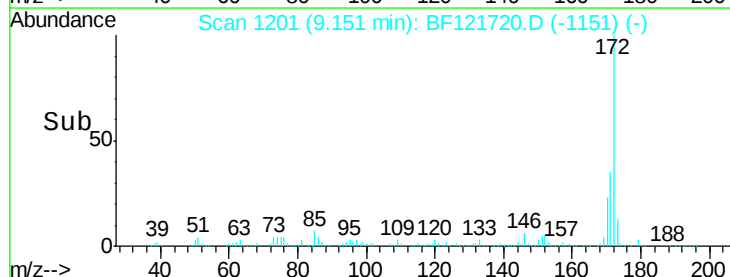
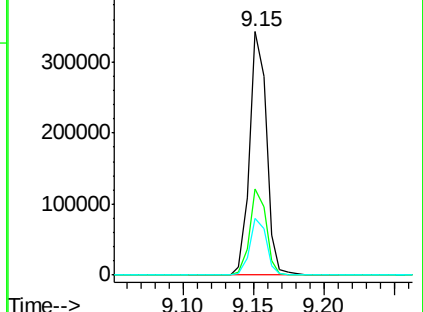
170 23.2 19.5 29.3

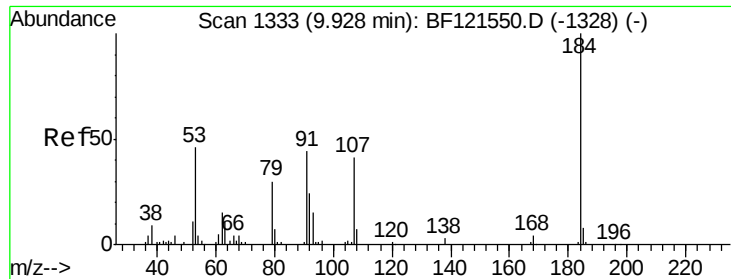


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

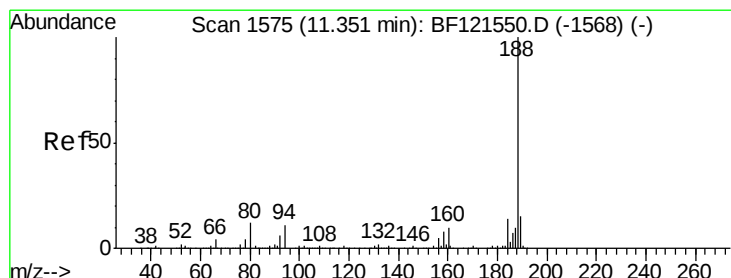
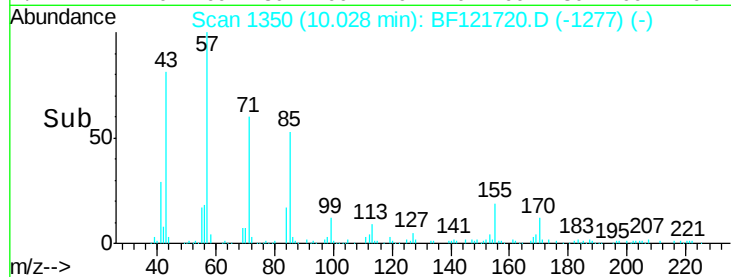
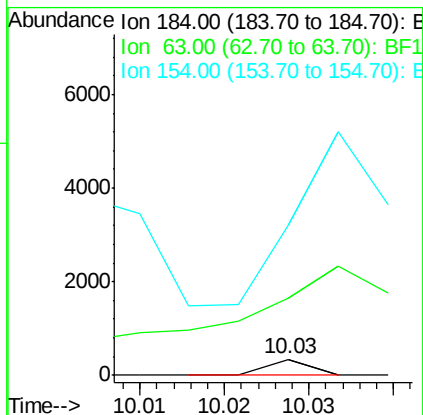
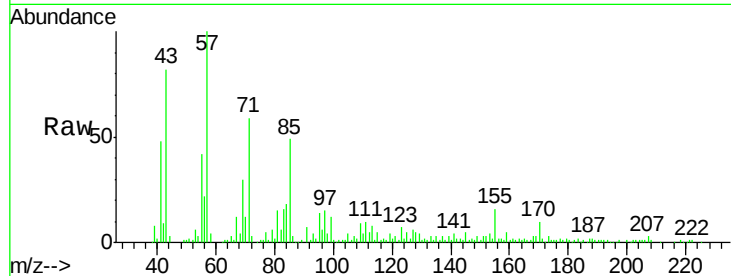




#54
 2,4-Dinitrophenol
 Concen: 9.090 ng
 RT: 10.03 min Scan# 1350
 Delta R.T. 0.13 min
 Lab File: BF121720.D
 Acq: 28 Sep 2020 19:15

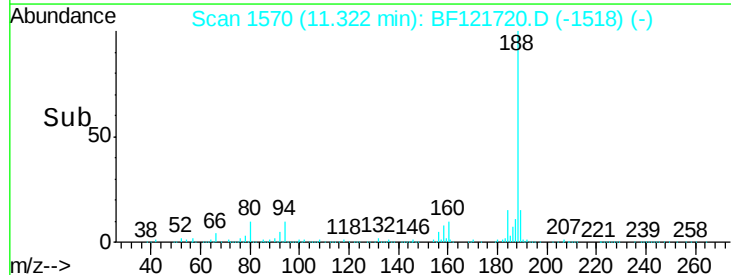
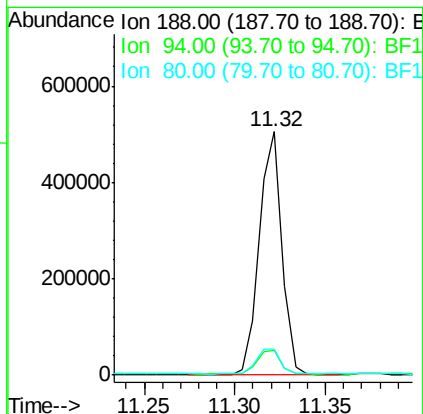
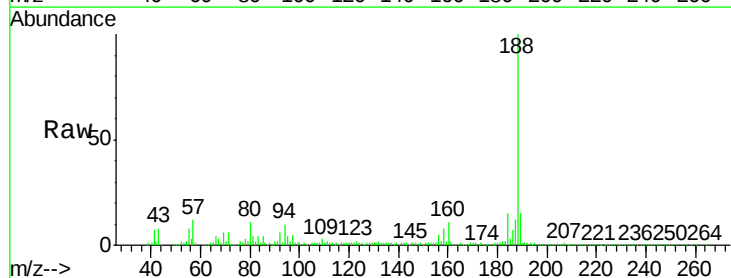
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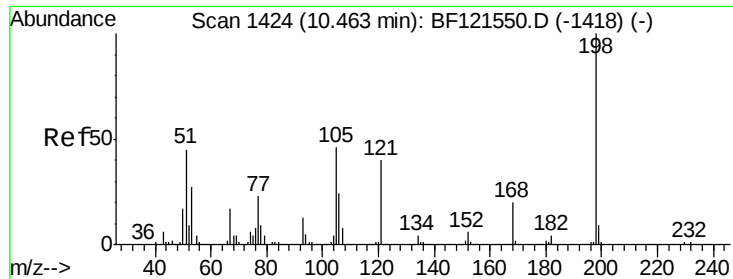
Tot Ion:184 Resp: 119
 Ion Ratio Lower Upper
 184 100
 63 485.2 54.6 82.0#
 154 953.0 48.4 72.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: BF121720.D
 Acq: 28 Sep 2020 19:15

Tgt Ion:188 Resp: 437936
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.4 12.6
 80 10.6 9.3 13.9

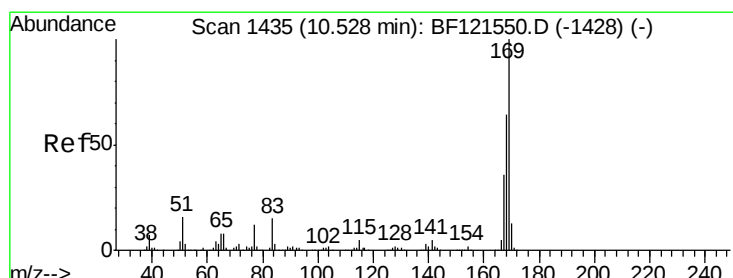
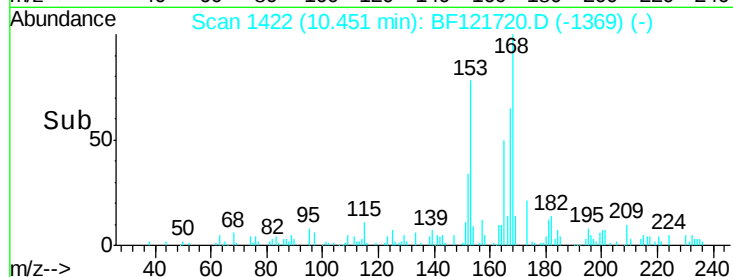
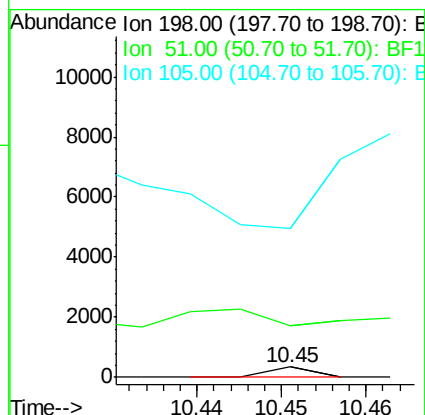
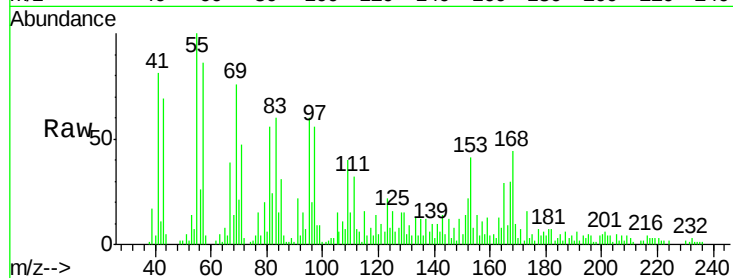




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.891 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. 0.01 min
 Lab File: BF121720.D
 Acq: 28 Sep 2020 19:15

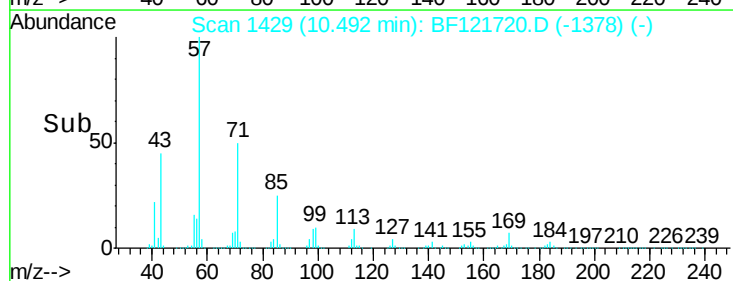
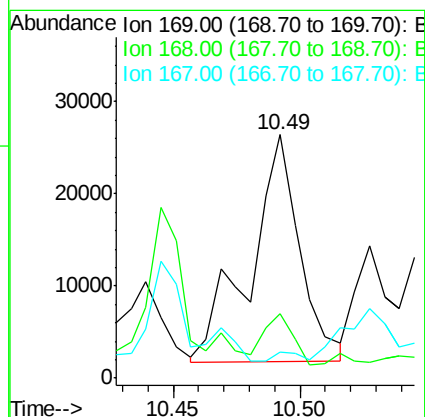
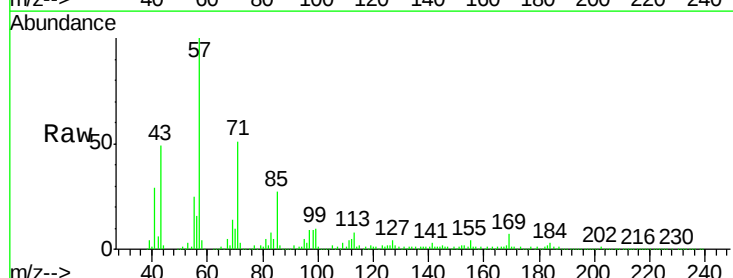
Instrument :
 BNA_F
 ClientSampled :
 DUP-1

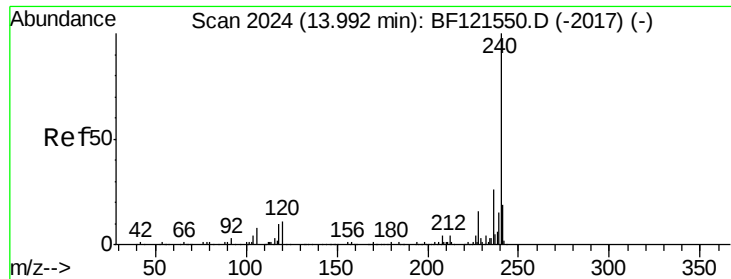
Tot Ion:198 Resp: 123
 Ion Ratio Lower Upper
 198 100
 51 496.0 18.8 58.8#
 105 1416.9 18.5 58.5#



#66
 n-Nitrosodiphenylamine
 Concen: 2.250 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF121720.D
 Acq: 28 Sep 2020 19:15

Tgt Ion:169 Resp: 33806
 Ion Ratio Lower Upper
 169 100
 168 26.7 50.5 75.7#
 167 10.7 28.0 42.0#

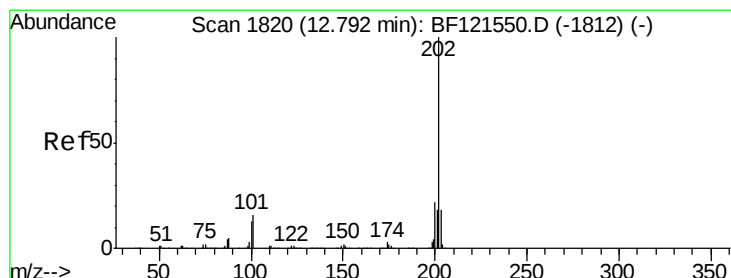
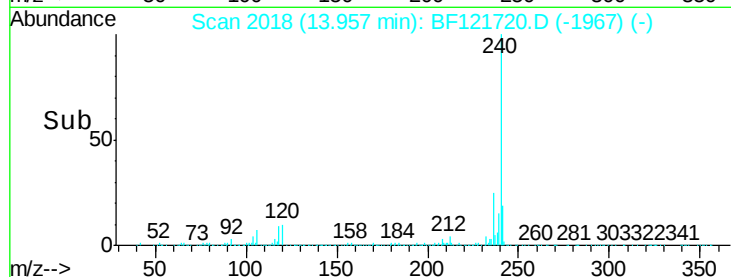
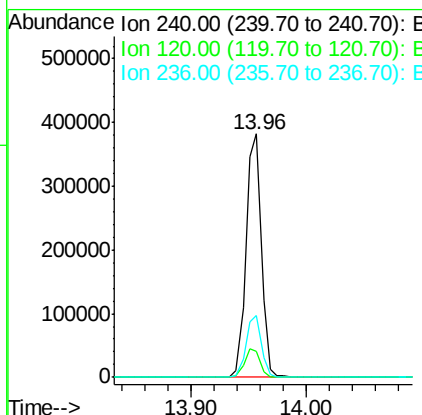
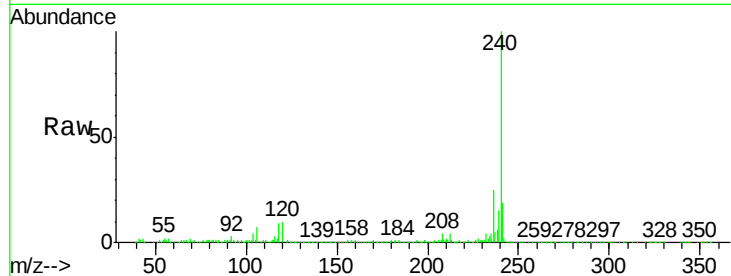




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF121720.D
Acq: 28 Sep 2020 19:15

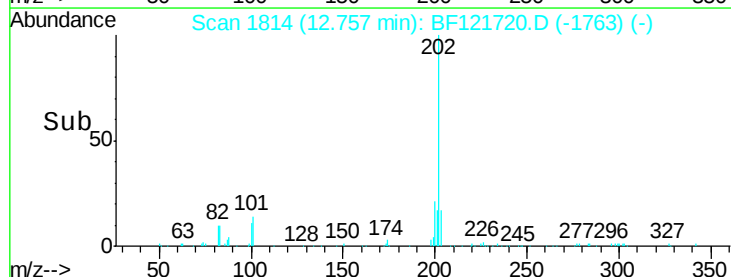
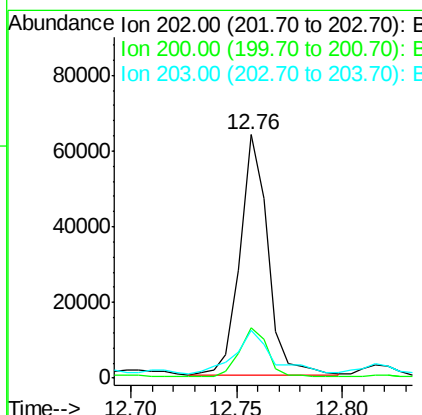
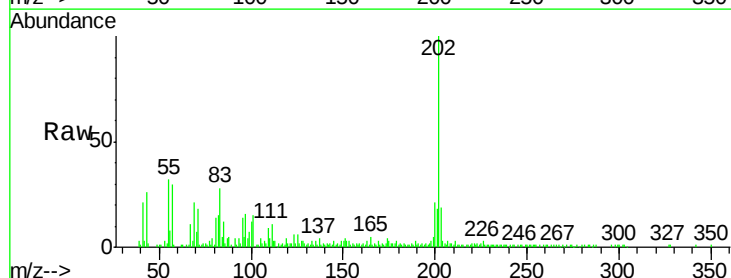
Instrument :
BNA_F
ClientSampleId :
DUP-1

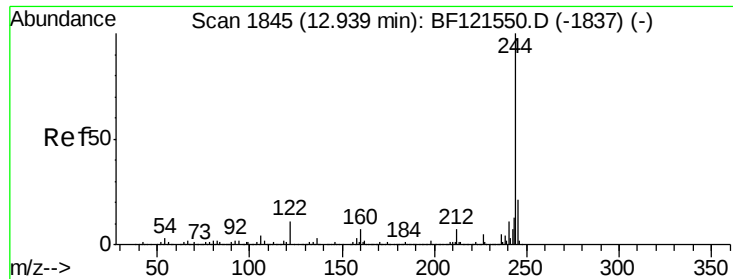
Tot Ion:240 Resp: 352691
Ion Ratio Lower Upper
240 100
120 10.5 9.1 13.7
236 25.5 20.6 30.8



#78
Pyrene
Concen: 2.240 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF121720.D
Acq: 28 Sep 2020 19:15

Tgt Ion:202 Resp: 57720
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.8
203 19.4 14.3 21.5





#79

Terphenyl-d14

Concen: 12.174 ng

RT: 12.90 min Scan# 1838

Delta R.T. -0.01 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

Instrument :

BNA_F

ClientSampleId :

DUP-1

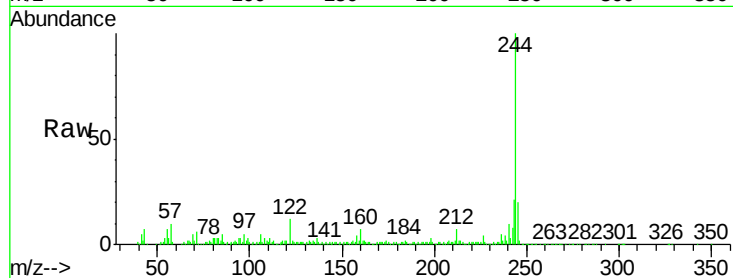
Tot Ion:244 Resp: 211931

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

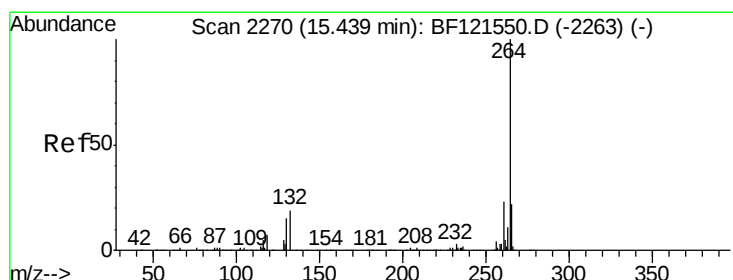
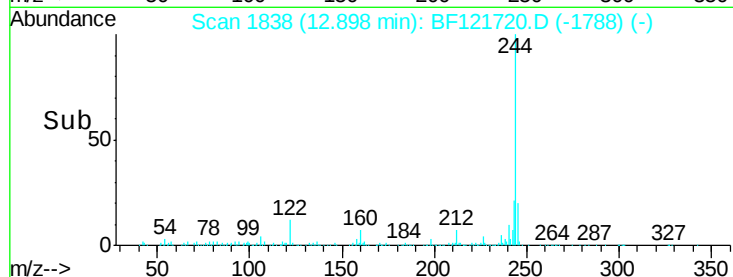
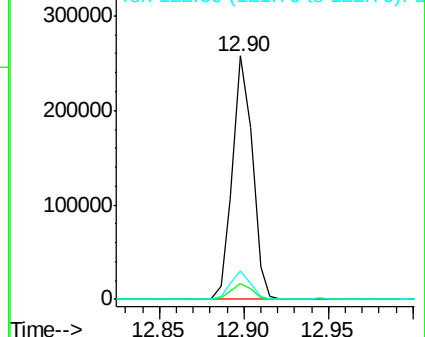
122 12.0 8.0 12.0#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF121720.D

Acq: 28 Sep 2020 19:15

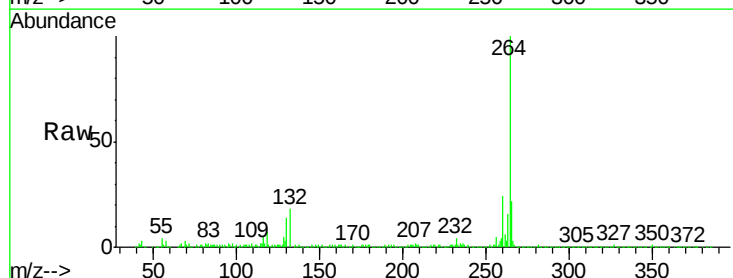
Tgt Ion:264 Resp: 342602

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

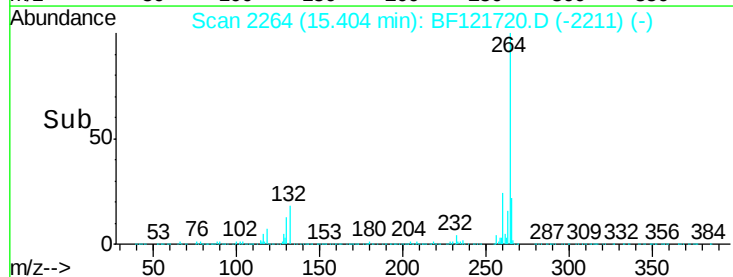
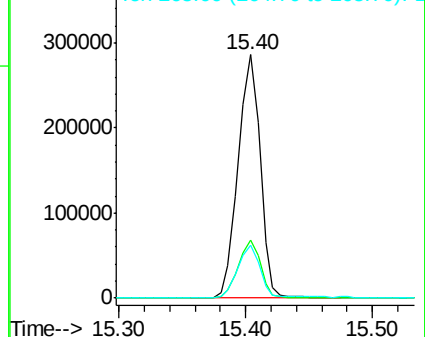
265 21.8 17.2 25.8

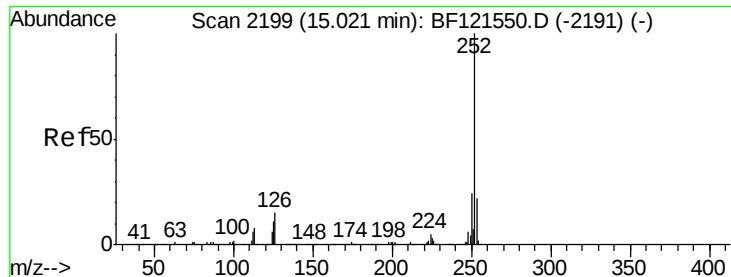


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

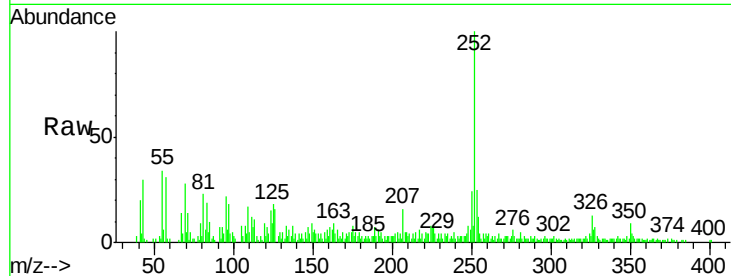




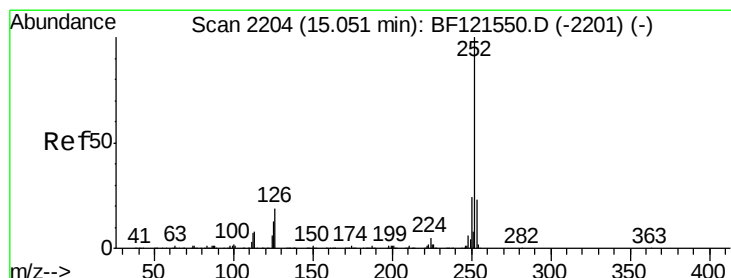
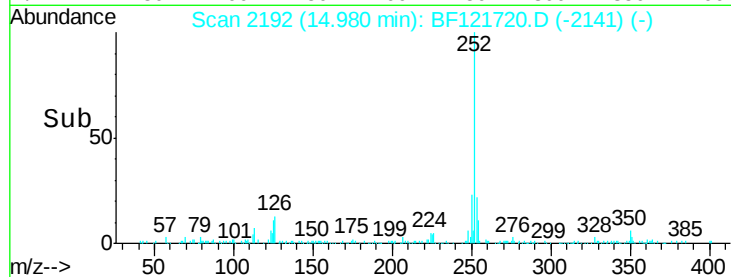
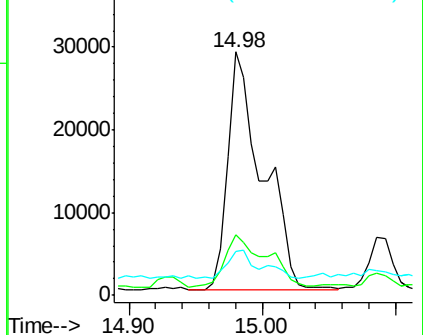
#88
Benzo(b)fluoranthene
Concen: 2.308 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF121720.D
Acq: 28 Sep 2020 19:15

Instrument :
BNA_F
ClientSampleId :
DUP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.6
125	17.9	8.6	13.0

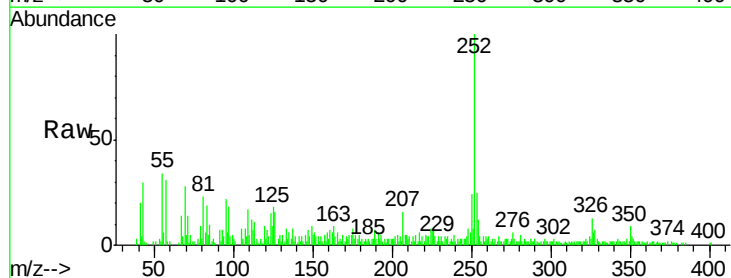


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.520 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.04 min
Lab File: BF121720.D
Acq: 28 Sep 2020 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	17.9	7.1	10.7



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

