

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
 Data File : BF121222.D
 Acq On : 7 Aug 2020 1:13
 Operator : JU/CG
 Sample : L3555-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-23729

Quant Time: Aug 07 02:08:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

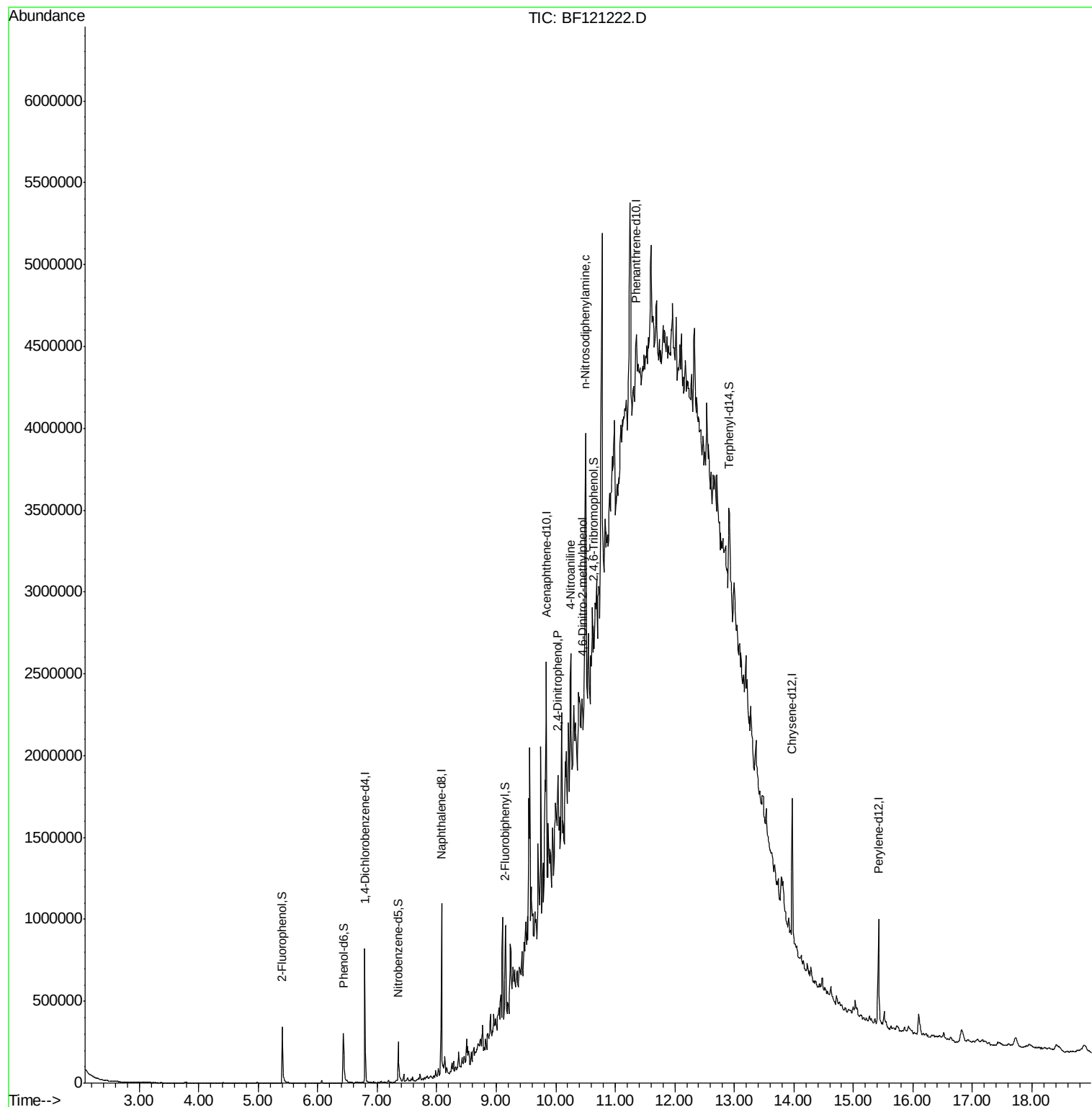
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	132062	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	512881	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	225482	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	239133	20.00	ng	0.02
76) Chrysene-d12	13.97	240	330597	20.00	ng	0.01
86) Perylene-d12	15.42	264	317182	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	124616	15.47	ng	-0.01
7) Phenol-d6	6.43	99	154761	14.87	ng	-0.01
23) Nitrobenzene-d5	7.36	82	93961	10.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	33171	13.44	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	207210	13.72	ng	0.00
79) Terphenyl-d14	12.92	244	129899	8.54	ng	0.01
Target Compounds						
9) Benzaldehyde	6.43	77	130	Below Cal	Qvalue	# 1
54) 2,4-Dinitrophenol	10.03	184	1053	7.312 ng	#	1
62) 4-Nitroaniline	10.25	138	9745	2.282 ng	#	87
65) 4,6-Dinitro-2-methylphenol	10.45	198	1245	4.670 ng	#	1
66) n-Nitrosodiphenylamine	10.50	169	58039	7.715 ng	#	46

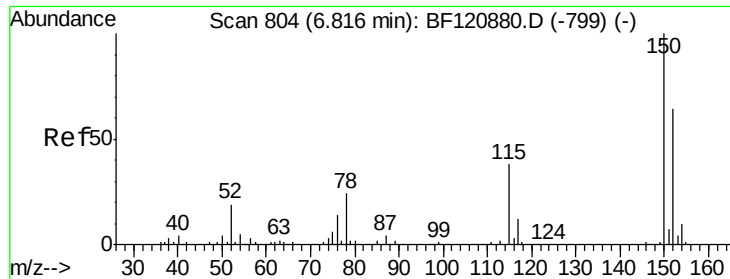
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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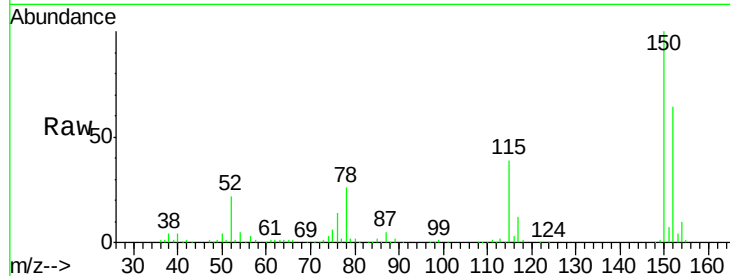


#1

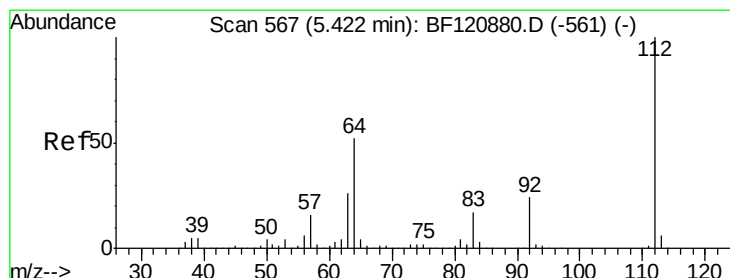
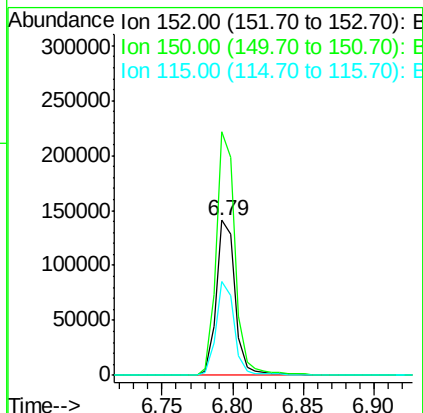
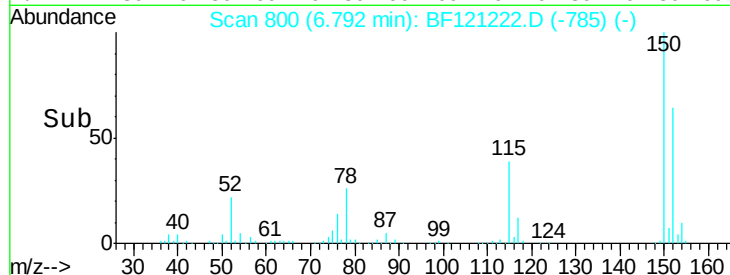
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121222.D
 Acq: 7 Aug 2020 1:13

Instrument :
 BNA_F
 ClientSampleId :
 N-23729

Tot Ion:152 Resp: 132062
 Ion Ratio Lower Upper
 152 100
 150 157.0 125.6 188.4
 115 60.7 46.2 69.2



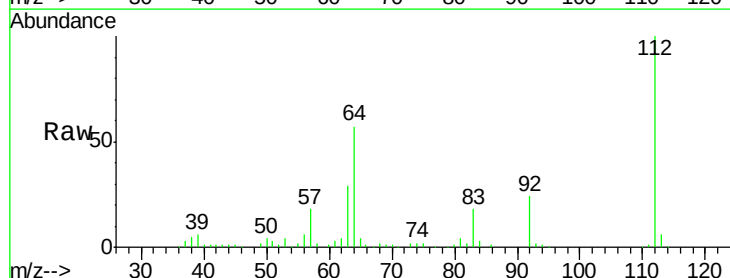
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



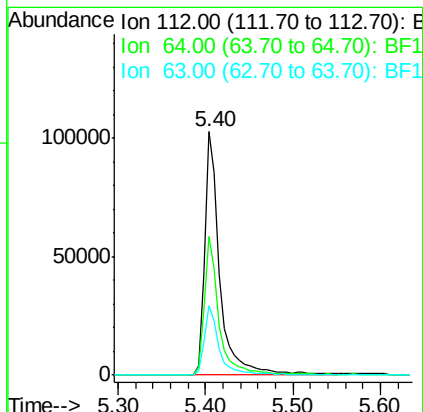
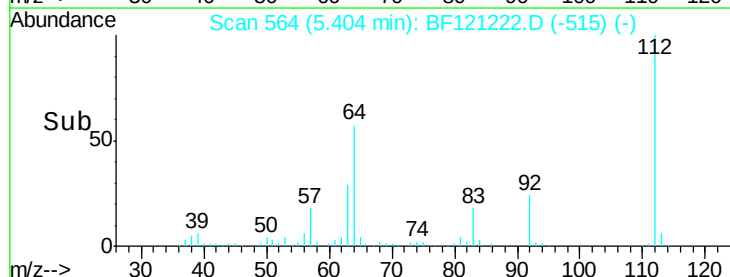
#5

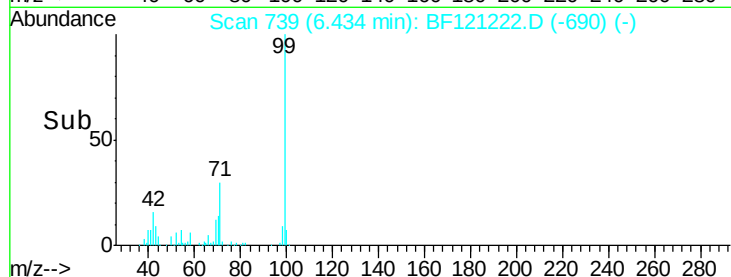
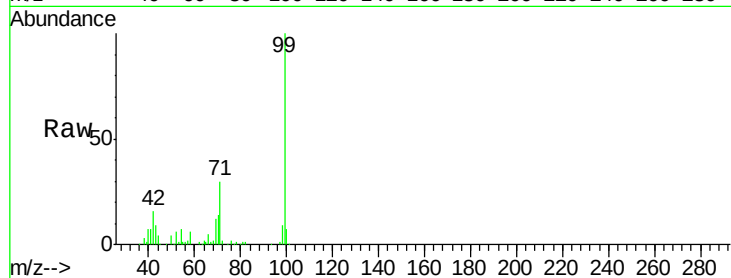
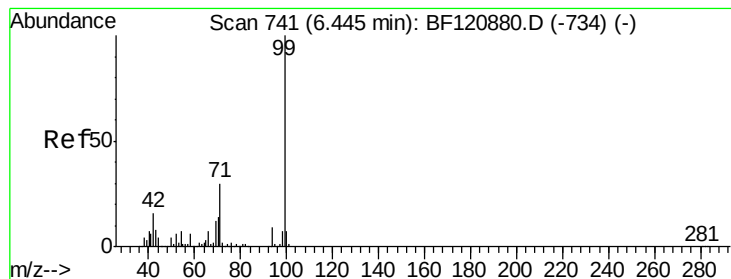
2-Fluorophenol
 Concen: 15.469 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121222.D
 Acq: 7 Aug 2020 1:13

Tgt Ion:112 Resp: 124616
 Ion Ratio Lower Upper
 112 100
 64 57.1 43.9 65.9
 63 28.6 22.7 34.1



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: 14.872 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

Instrument :

BNA_F

ClientSampleId :

N-23729

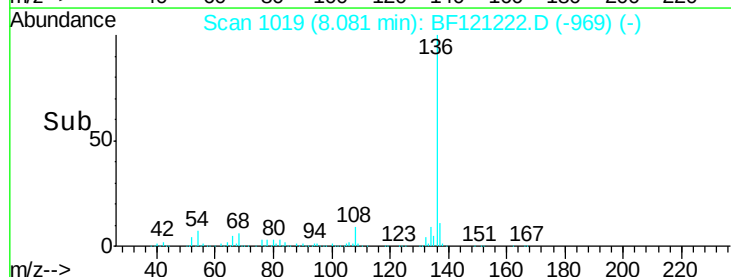
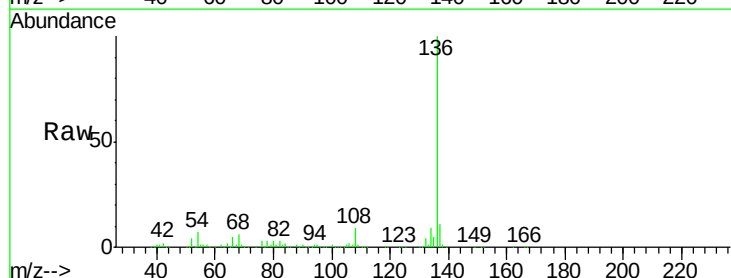
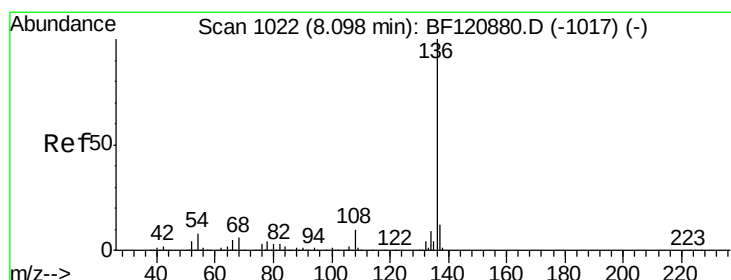
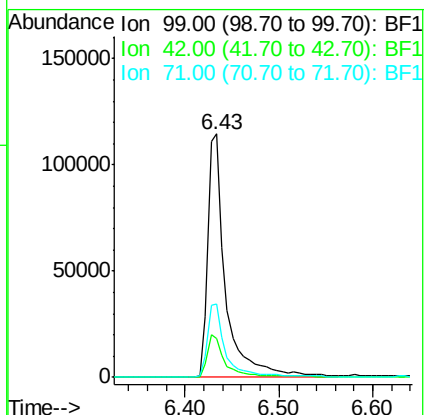
Tot Ion: 99 Resp: 154761

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

71 30.4 25.0 37.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

Tgt Ion: 136 Resp: 512881

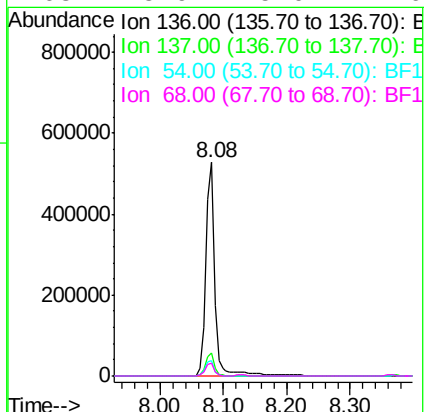
Ion Ratio Lower Upper

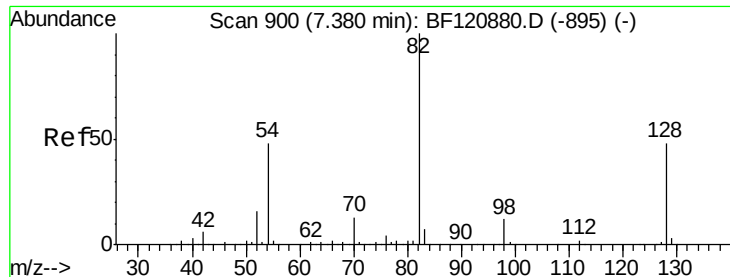
136 100

137 10.7 9.0 13.4

54 6.9 6.1 9.1

68 5.9 5.0 7.6

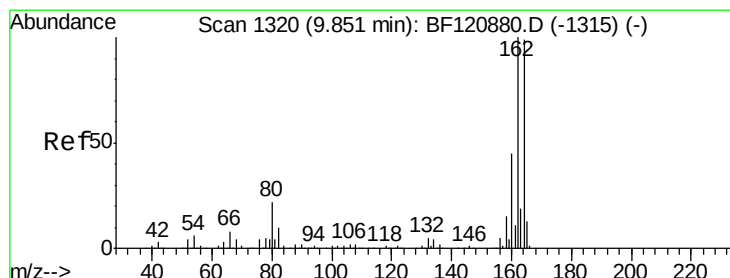
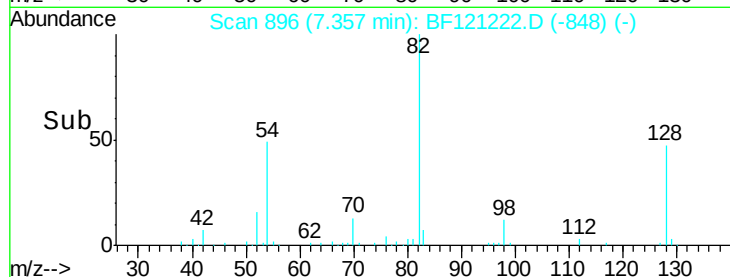
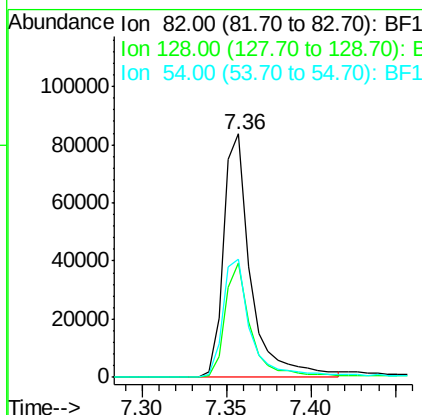
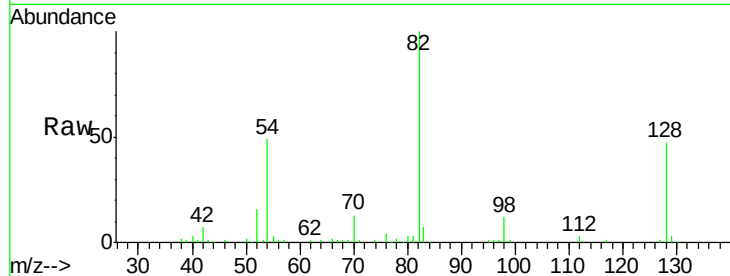




#23
 Nitrobenzene-d5
 Concen: 10.601 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: BF121222.D
 Acq: 7 Aug 2020 1:13

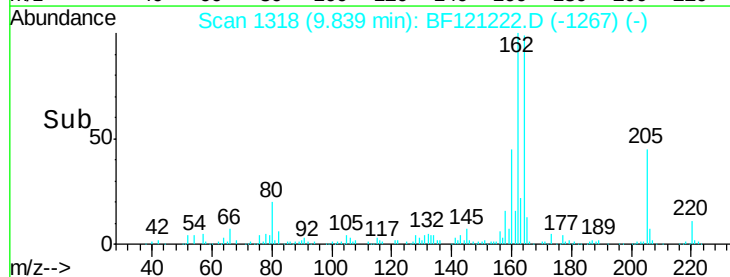
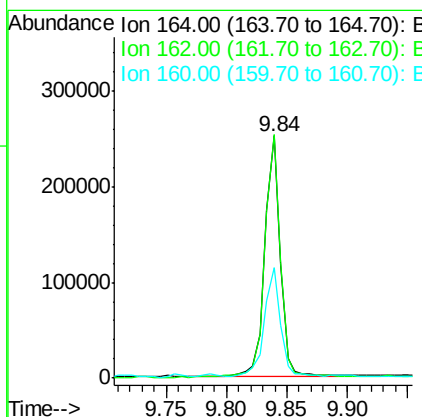
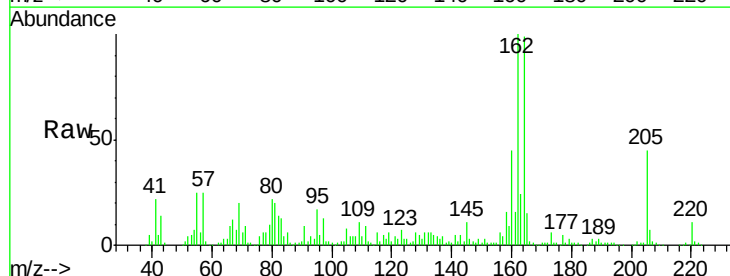
Instrument :
 BNA_F
 ClientSampleId :
 N-23729

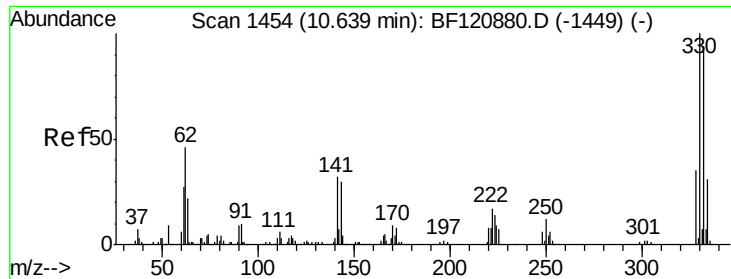
Tot Ion	82	Resp	93961
Ion Ratio	Lower	Upper	
82	100		
128	47.1	39.2	58.8
54	48.7	37.8	56.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.00 min
 Lab File: BF121222.D
 Acq: 7 Aug 2020 1:13

Tgt Ion	164	Resp	225482
Ion Ratio	Lower	Upper	
164	100		
162	100.5	82.2	123.2
160	45.7	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 13.440 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

Instrument :

BNA_F

ClientSampleId :

N-23729

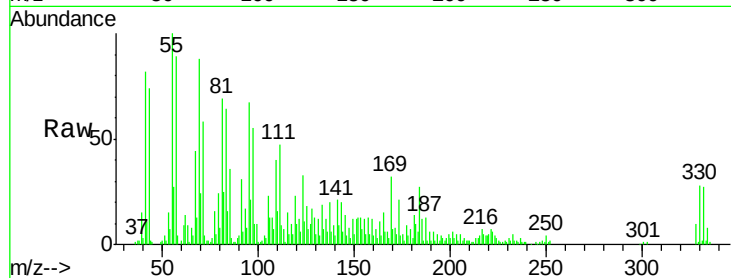
Tot Ion:330 Resp: 33171

Ion Ratio Lower Upper

330 100

332 95.1 76.1 114.1

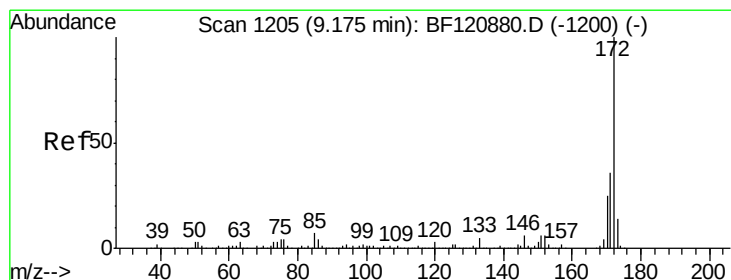
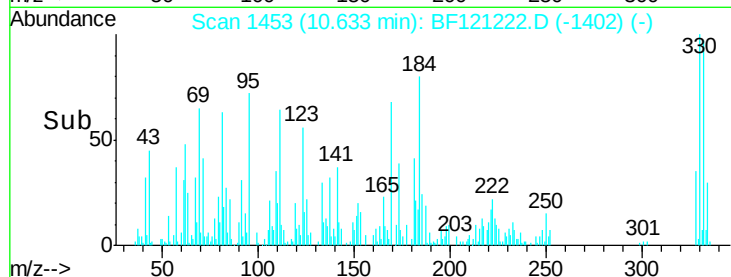
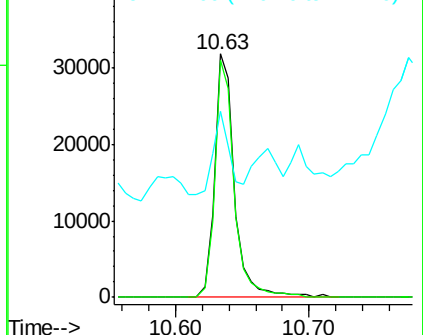
141 28.4 24.1 36.1



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: 13.721 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

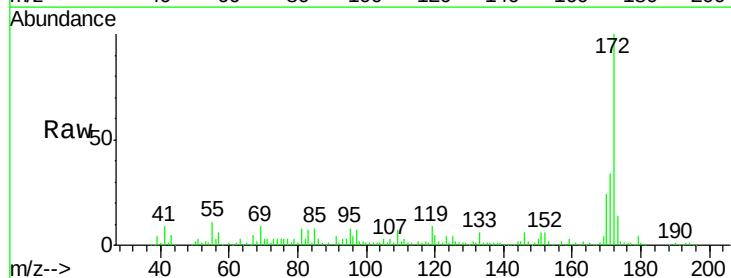
Tgt Ion:172 Resp: 207210

Ion Ratio Lower Upper

172 100

171 33.7 29.0 43.4

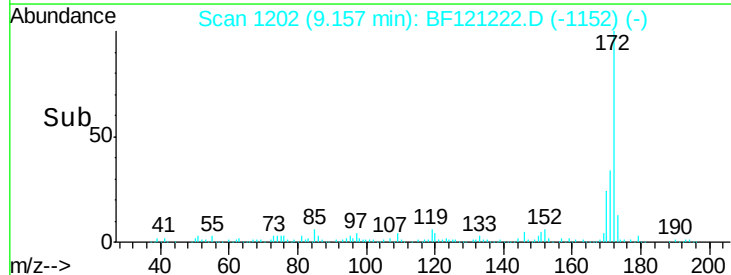
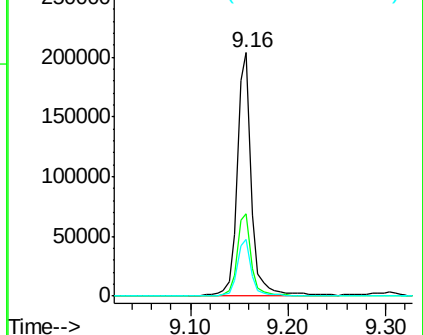
170 23.5 19.6 29.4

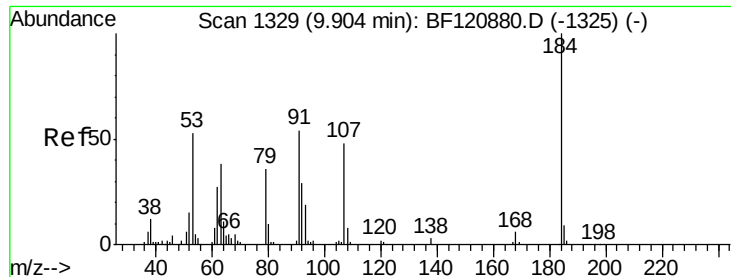


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

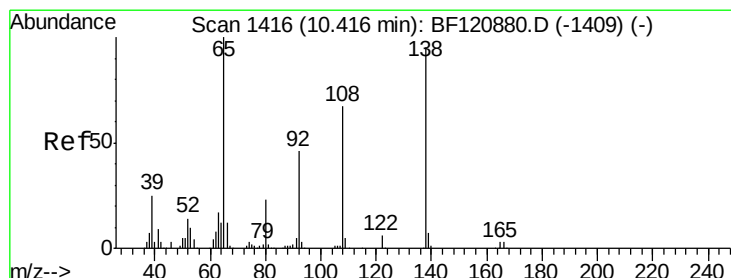
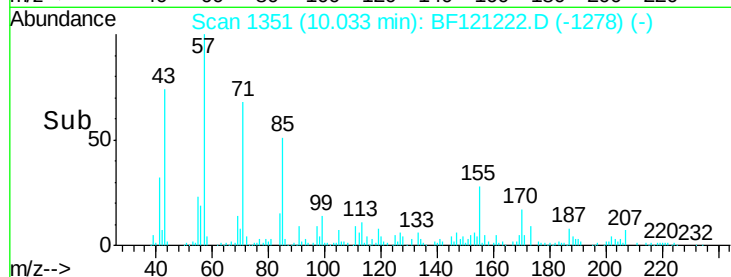
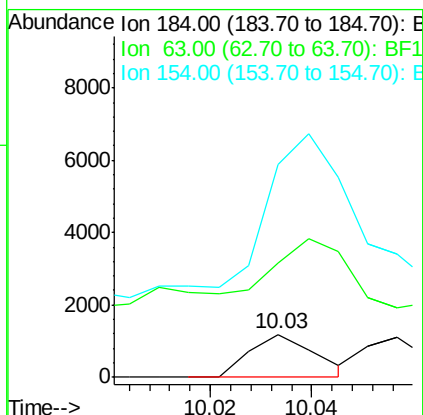
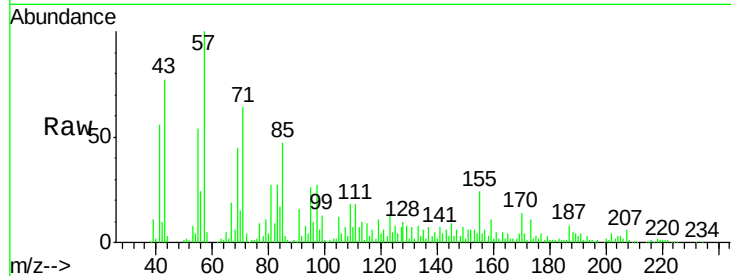




#54
 2,4-Dinitrophenol
 Concen: 7.312 ng
 RT: 10.03 min Scan# 1351
 Delta R.T. 0.13 min
 Lab File: BF121222.D
 Acq: 7 Aug 2020 1:13

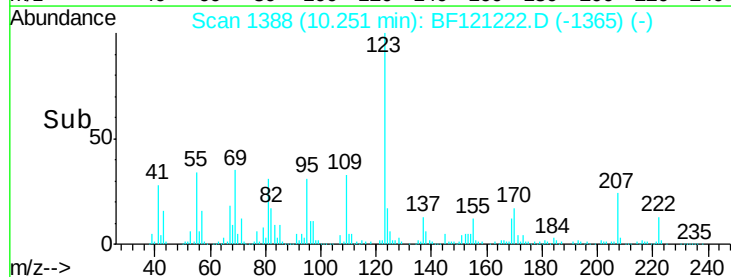
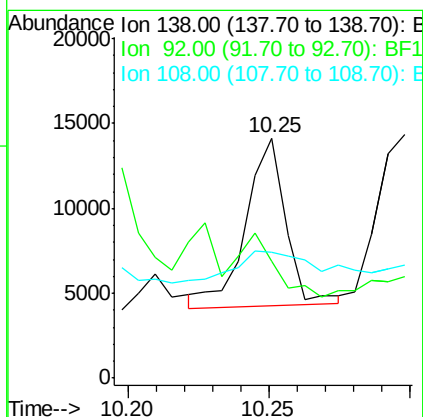
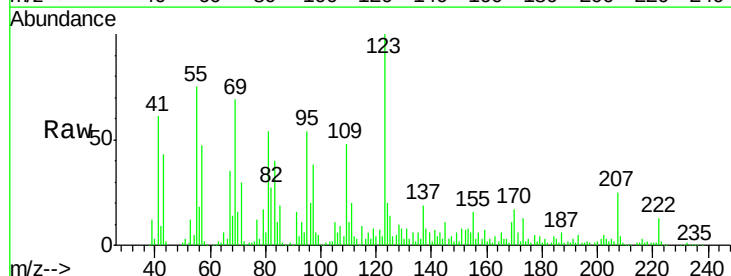
Instrument :
 BNA_F
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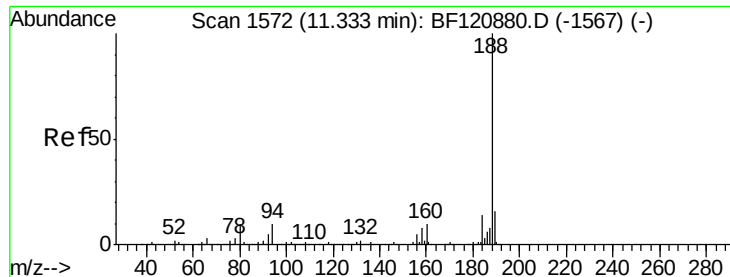
Tot Ion:184 Resp: 1053
 Ion Ratio Lower Upper
 184 100
 63 268.2 42.5 63.7#
 154 499.7 46.8 70.2#



#62
 4-Nitroaniline
 Concen: 2.282 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. -0.16 min
 Lab File: BF121222.D
 Acq: 7 Aug 2020 1:13

Tgt Ion:138 Resp: 9745
 Ion Ratio Lower Upper
 138 100
 92 48.7 25.2 65.2
 108 52.3 46.7 86.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.02 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

Instrument :

BNA_F

ClientSampleId :

N-23729

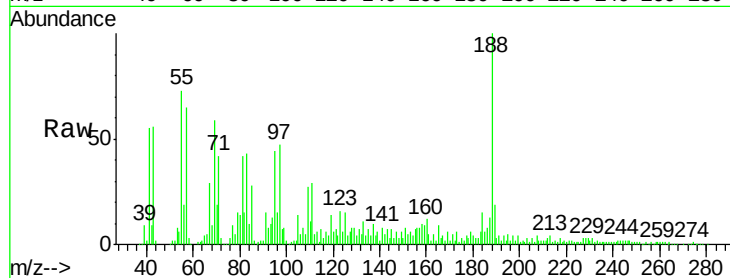
Tot Ion:188 Resp: 239133

Ion Ratio Lower Upper

188 100

94 13.1 8.0 12.0#

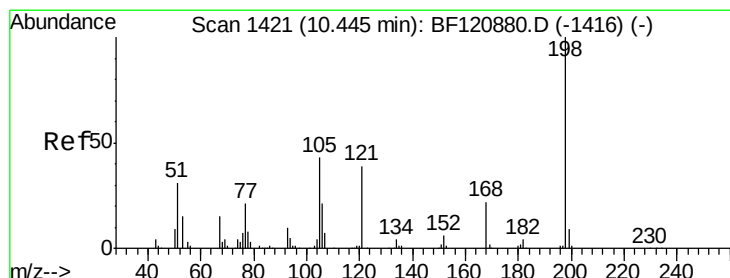
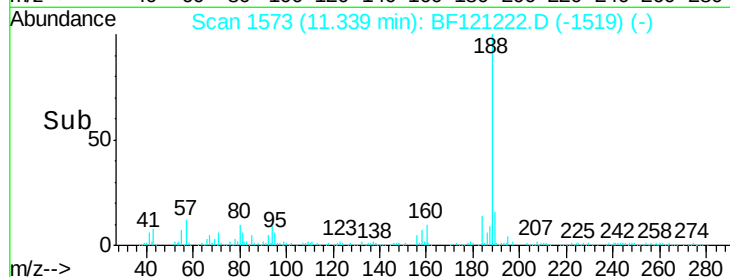
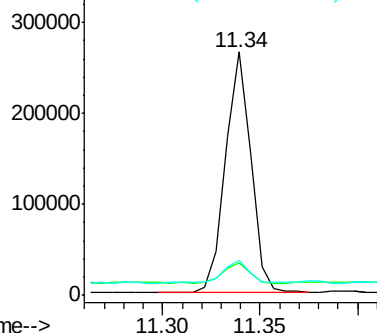
80 14.1 8.3 12.5#



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.670 ng

RT: 10.45 min Scan# 1422

Delta R.T. 0.01 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

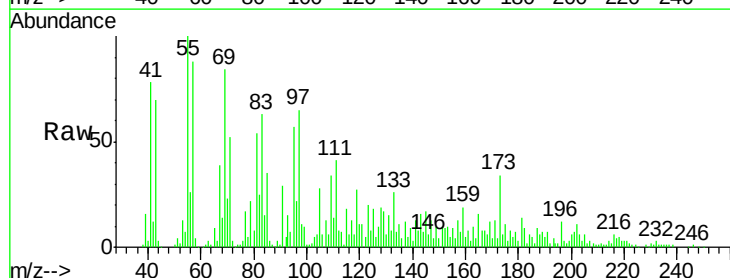
Tgt Ion:198 Resp: 1245

Ion Ratio Lower Upper

198 100

51 272.0 23.4 63.4#

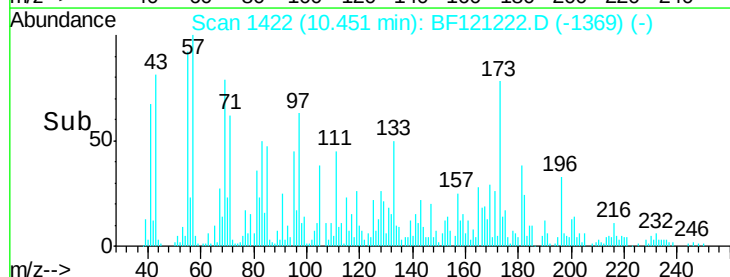
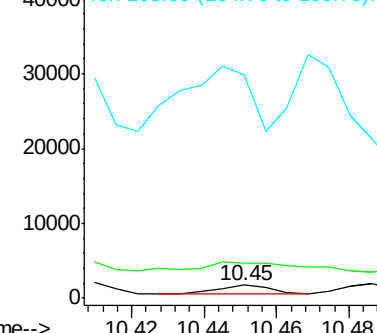
105 1734.2 23.7 63.7#

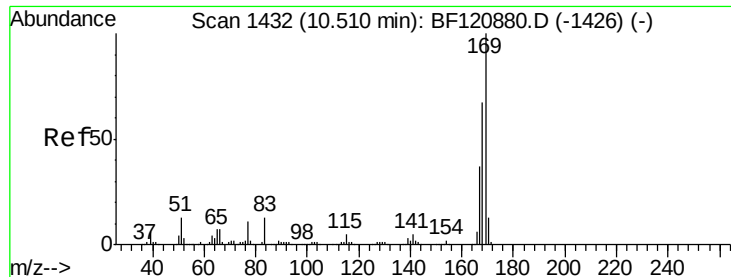


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

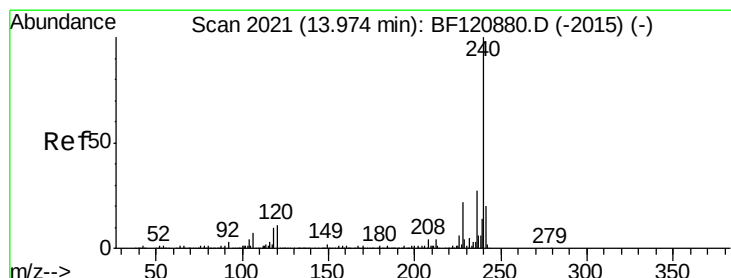
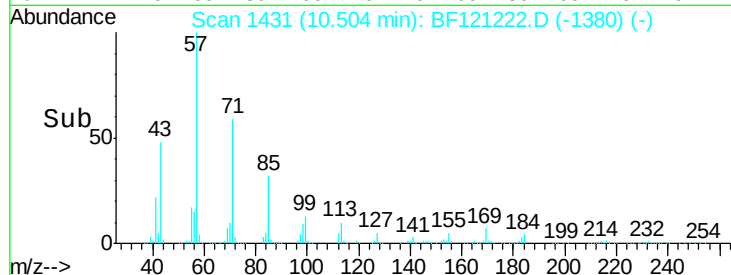
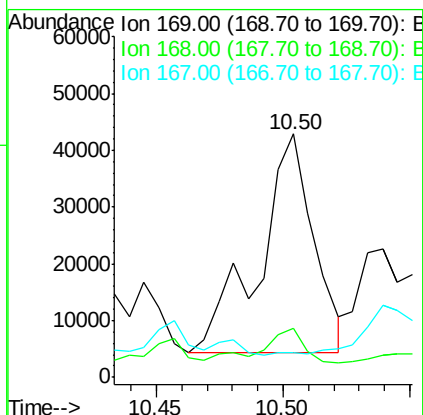
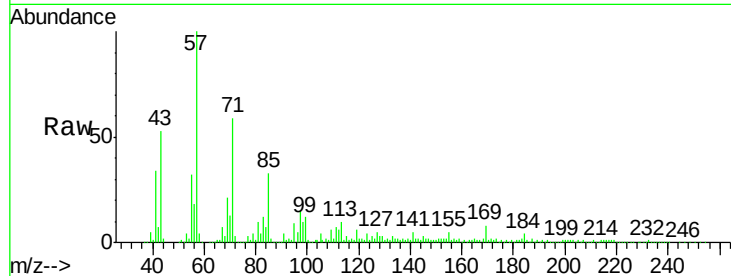




#66
n-Nitrosodiphenylamine
Concen: 7.715 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF121222.D
Acq: 7 Aug 2020 1:13

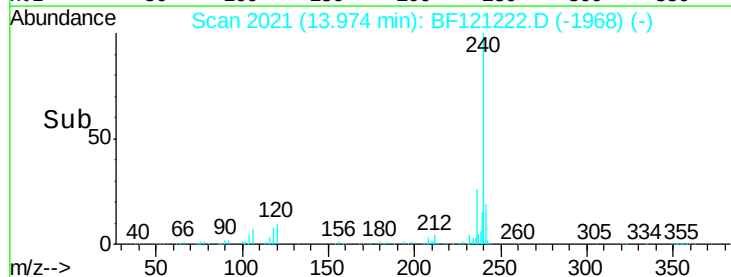
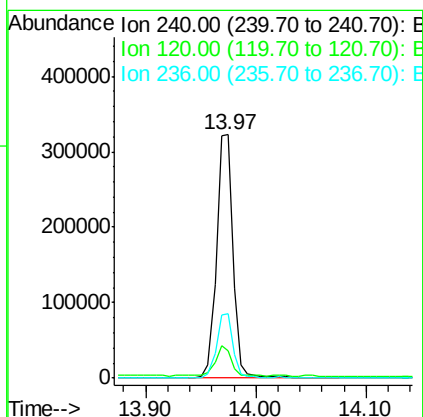
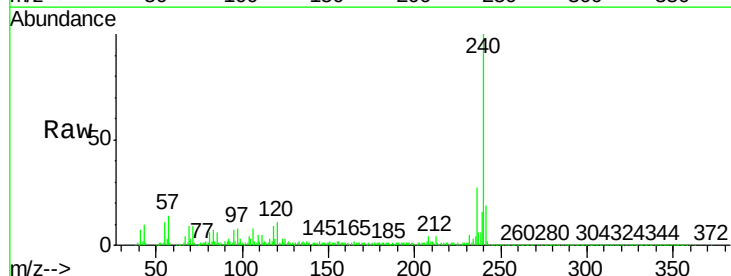
Instrument :
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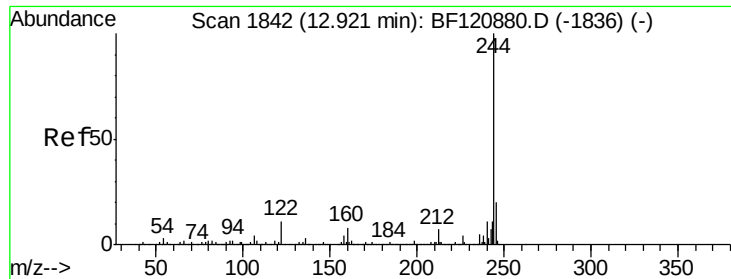
Tot Ion:169 Resp: 58039
Ion Ratio Lower Upper
169 100
168 20.4 53.7 80.5#
167 10.1 30.0 45.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF121222.D
Acq: 7 Aug 2020 1:13

Tgt Ion:240 Resp: 330597
Ion Ratio Lower Upper
240 100
120 11.4 9.3 13.9
236 26.7 21.1 31.7





#79

Terphenyl-d14

Concen: 8.541 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

Instrument :

BNA_F

ClientSampleId :

N-23729

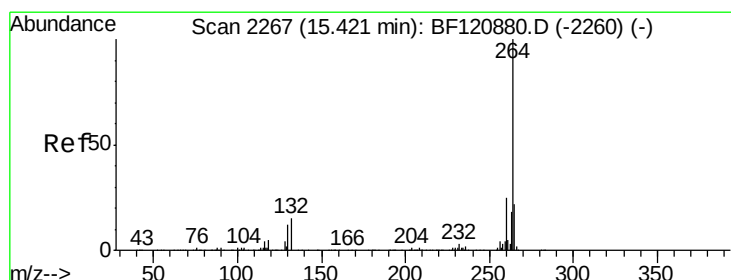
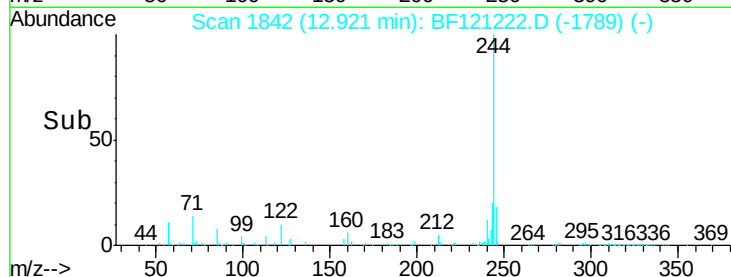
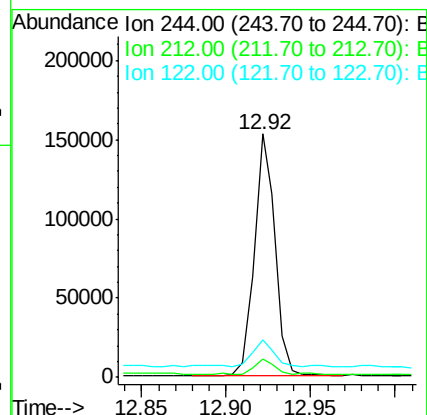
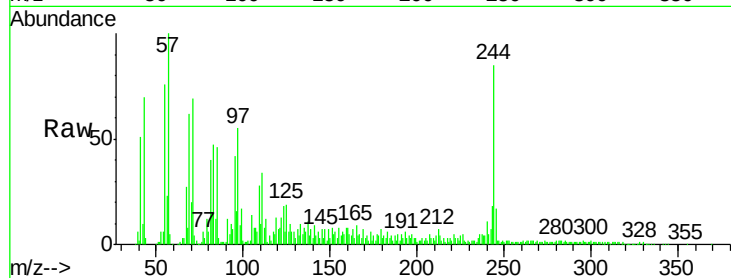
Tot Ion:244 Resp: 129899

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 15.4 8.3 12.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2267

Delta R.T. 0.02 min

Lab File: BF121222.D

Acq: 7 Aug 2020 1:13

Tgt Ion:264 Resp: 317182

Ion Ratio Lower Upper

264 100

260 24.3 19.9 29.9

265 21.8 17.8 26.8

