

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
 Data File : BF121415.D
 Acq On : 24 Aug 2020 23:34
 Operator : JU/CG
 Sample : L3780-09 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-082120-B

Quant Time: Aug 25 03:24:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

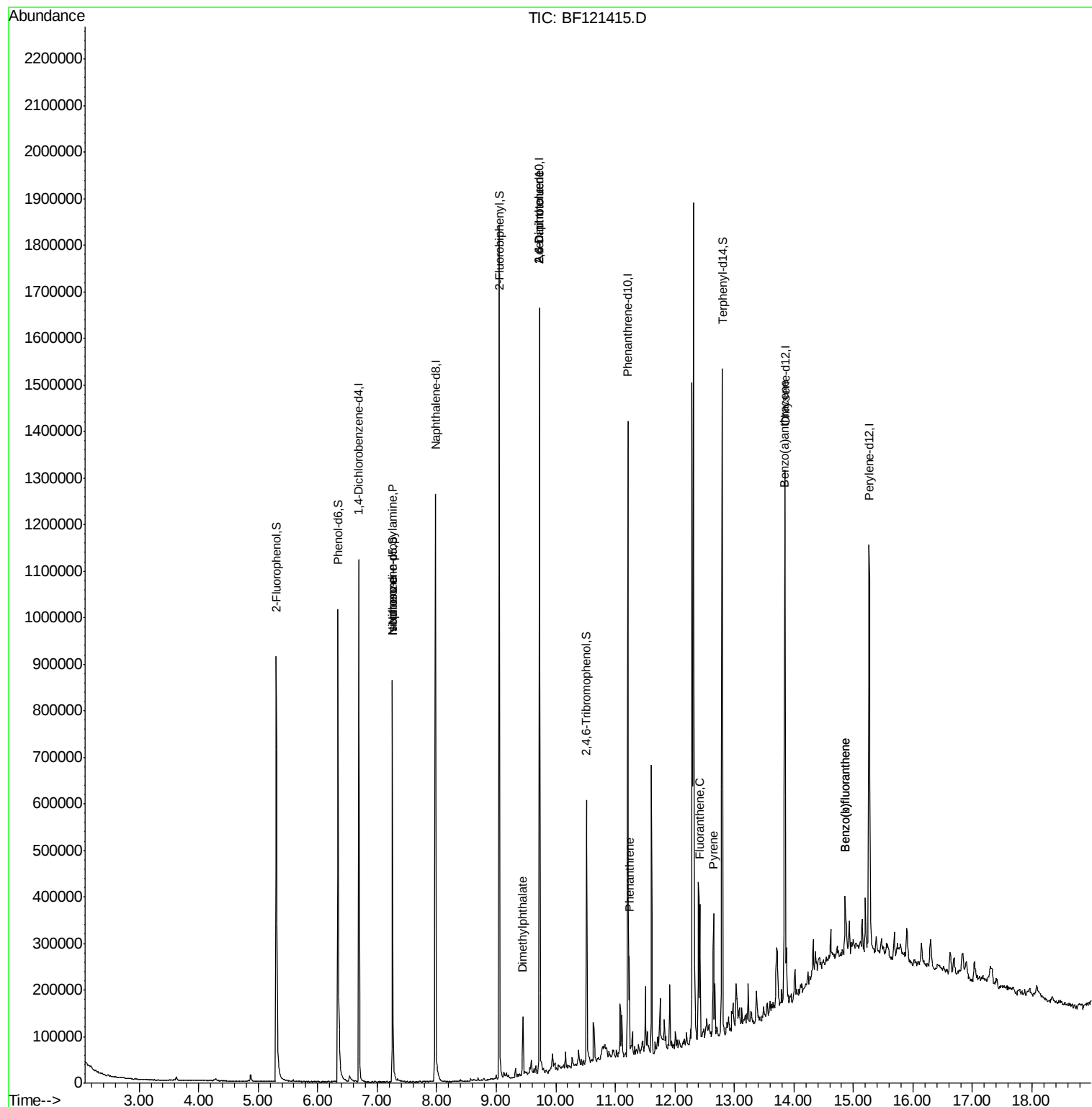
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	166492	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	632972	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	311250	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	558889	20.00	ng	0.00
76) Chrysene-d12	13.85	240	390832	20.00	ng	0.00
86) Perylene-d12	15.26	264	415272	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	330415	32.54	ng	0.00
7) Phenol-d6	6.34	99	423865	32.70	ng	0.00
23) Nitrobenzene-d5	7.26	82	267425	23.89	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	76731	21.16	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	543264	24.27	ng	0.00
79) Terphenyl-d14	12.80	244	476207	23.81	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	34256	4.914	ng	# 78
25) Isophorone	7.26	82	261757	12.852	ng	# 65
50) Dimethylphthalate	9.45	163	51289	2.265	ng	# 99
51) 2,6-Dinitrotoluene	9.73	165	40595	8.394	ng	# 29
55) Dibenzofuran	9.93	168	3689	Below Cal		# 93
57) 2,4-Dinitrotoluene	9.73	165	40595	6.881	ng	# 25
58) Fluorene	10.27	166	5570	Below Cal		# 96
71) Phenanthrene	11.23	178	66059	2.284	ng	# 98
75) Fluoranthene	12.42	202	109188	3.478	ng	# 99
78) Pyrene	12.65	202	101108	3.444	ng	# 99
81) Benzo(a)anthracene	13.84	228	49989	2.059	ng	# 93
88) Benzo(b)fluoranthene	14.86	252	77055	2.872	ng	# 95
89) Benzo(k)fluoranthene	14.86	252	77055	3.263	ng	# 95

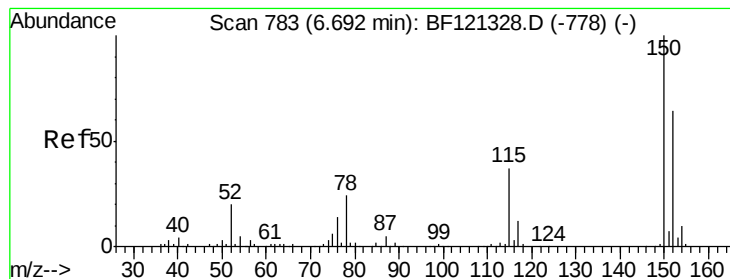
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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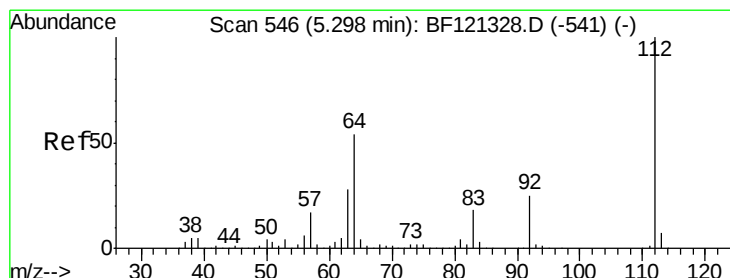
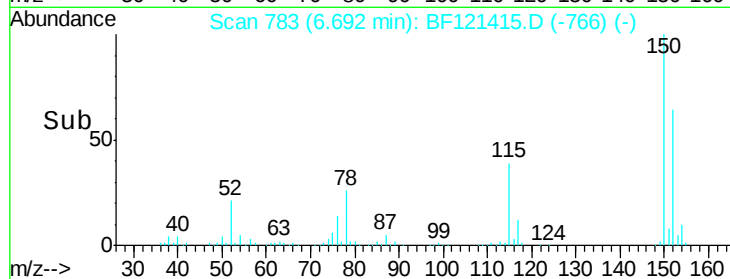
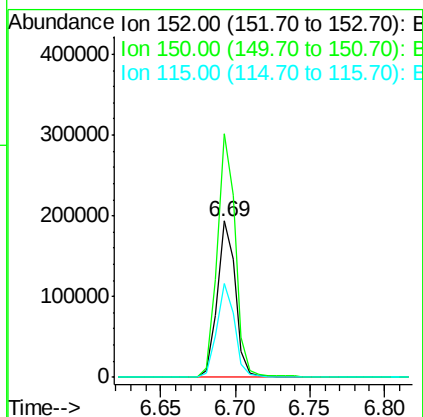
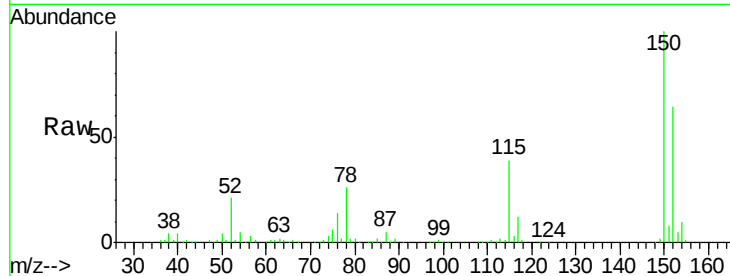


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Instrument :
BNA_F
ClientSampleId :
JC-03-082120-B

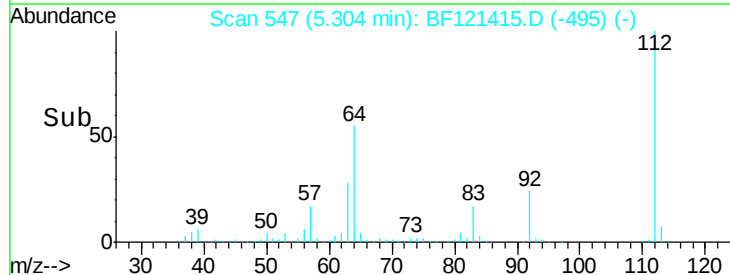
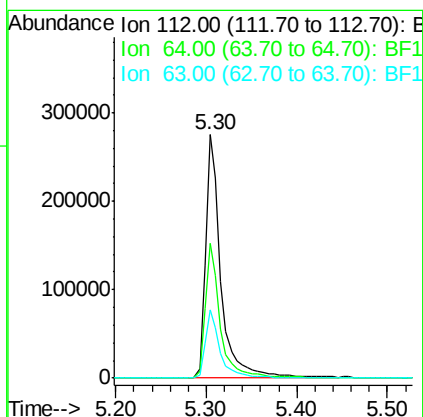
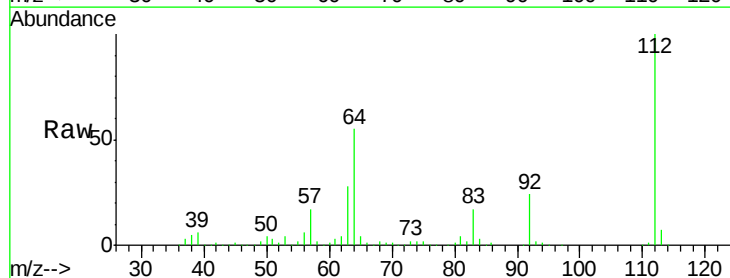
Tot Ion:152 Resp: 166492
Ion Ratio Lower Upper
152 100
150 155.6 124.8 187.2
115 60.3 46.1 69.1

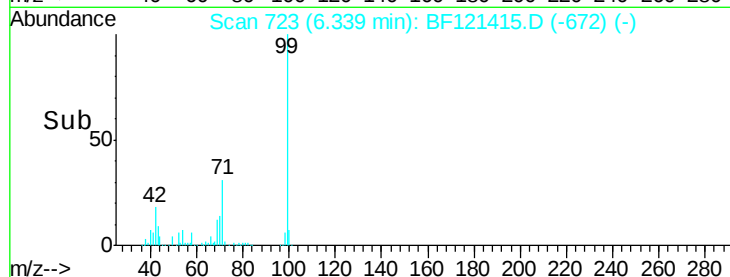
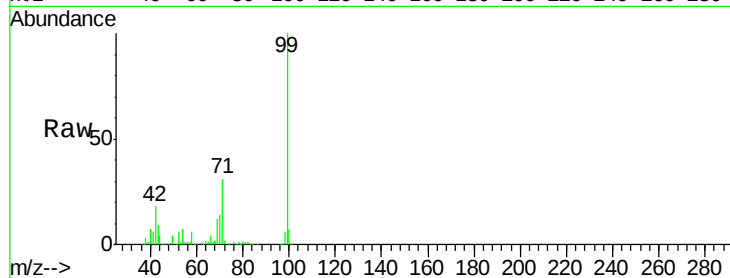


#5

2-Fluorophenol
Concen: 32.542 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Tgt Ion:112 Resp: 330415
Ion Ratio Lower Upper
112 100
64 55.5 43.5 65.3
63 28.0 22.0 33.0





#7

Phenol-d6

Concen: 32.701 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-B

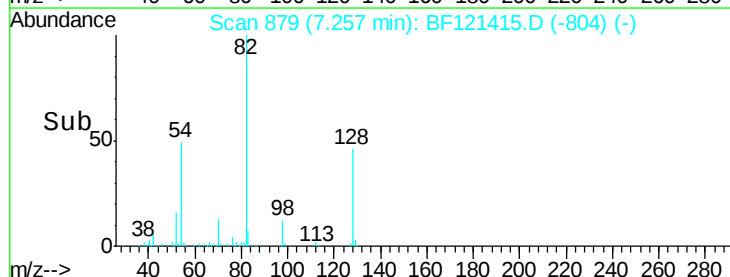
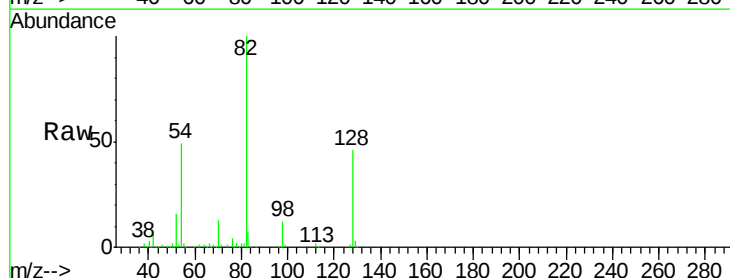
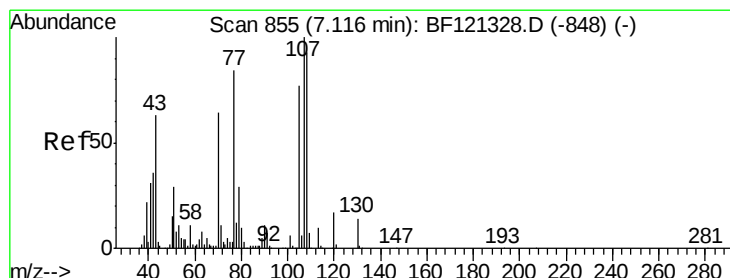
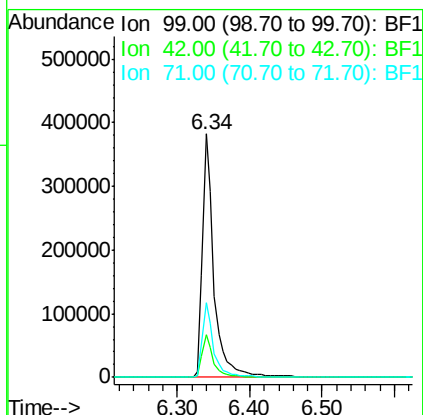
Tot Ion: 99 Resp: 423865

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

71 30.5 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 4.914 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

Tgt Ion: 70 Resp: 34256

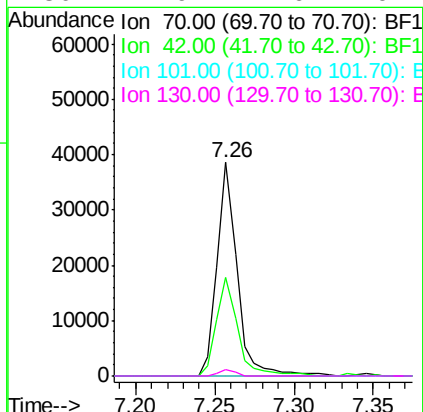
Ion Ratio Lower Upper

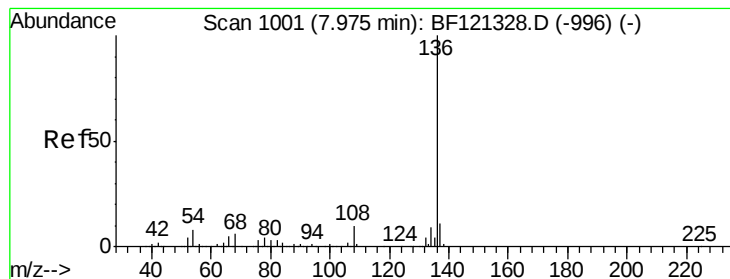
70 100

42 46.3 45.2 67.8

101 0.0 7.7 11.5#

130 2.9 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.01 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-B

Tot Ion:136 Resp: 632972

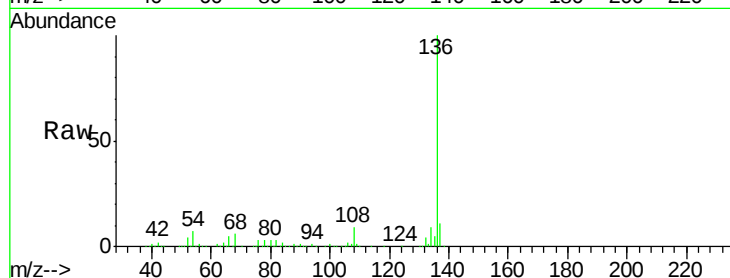
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.9 6.1 9.1

68 5.6 5.0 7.4

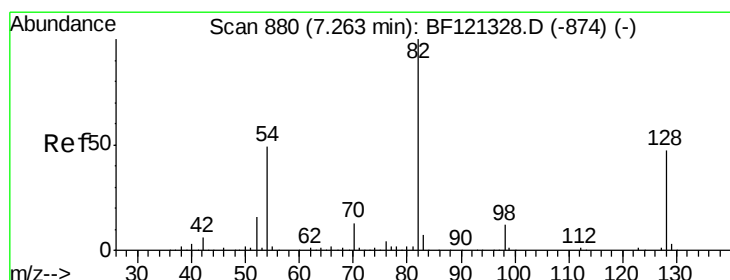
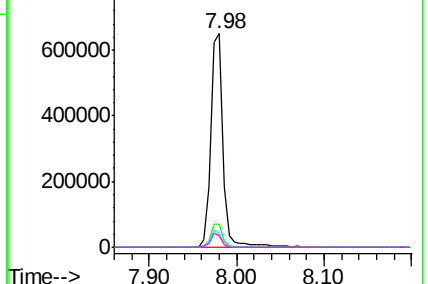
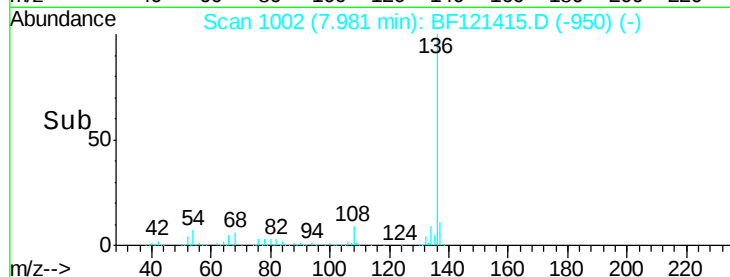


Abundance Ion 136.00 (135.70 to 136.70): E

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: 23.894 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

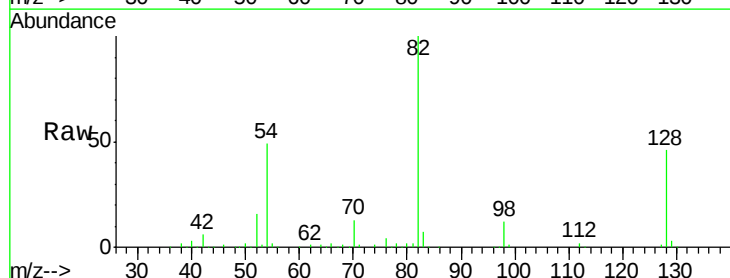
Tgt Ion: 82 Resp: 267425

Ion Ratio Lower Upper

82 100

128 45.8 37.9 56.9

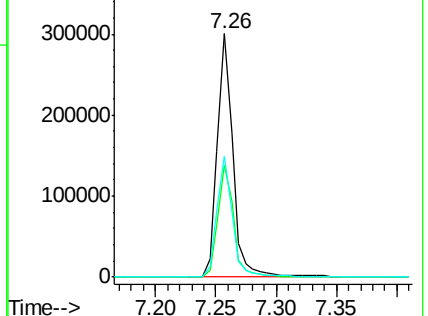
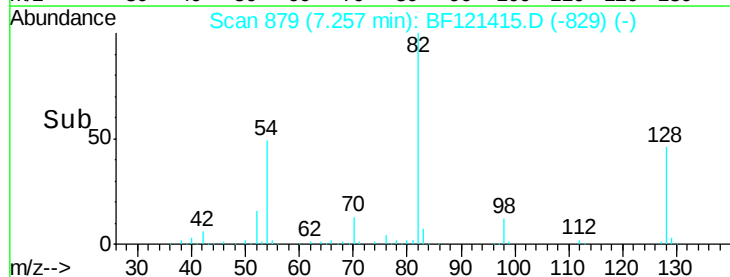
54 49.4 39.0 58.4

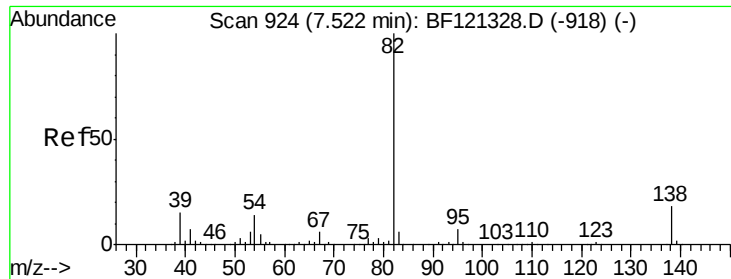


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 12.852 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

Instrument :

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ClientSampleId :

JC-03-082120-B

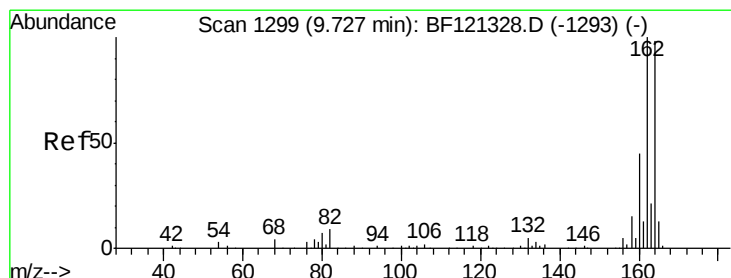
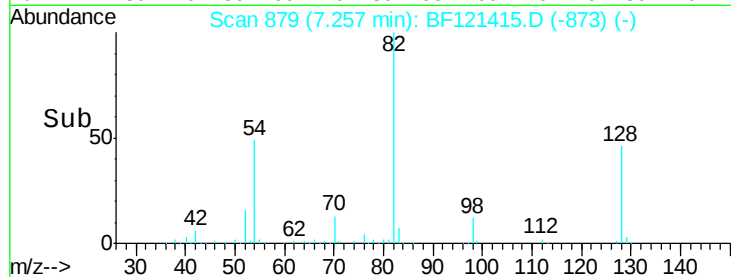
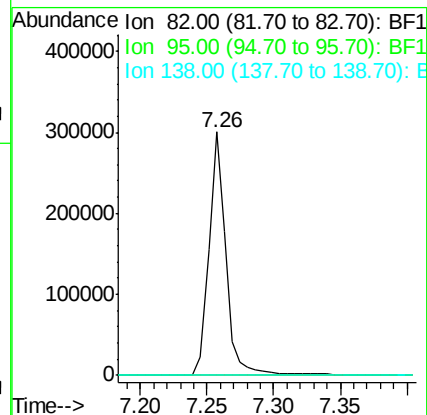
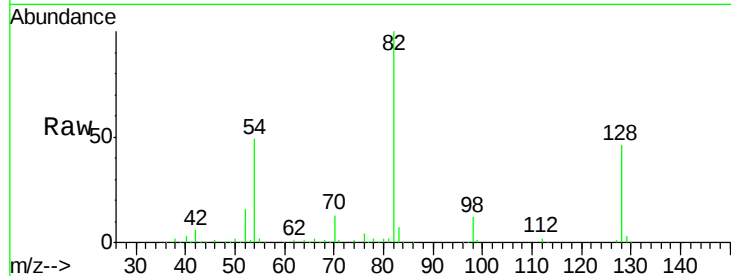
Tot Ion: 82 Resp: 261757

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 14.6 21.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

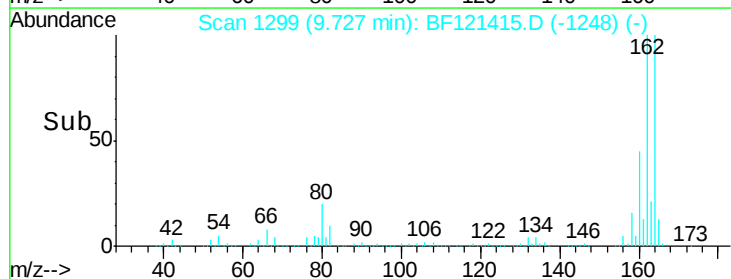
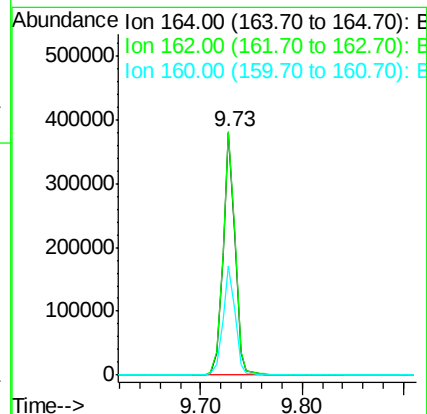
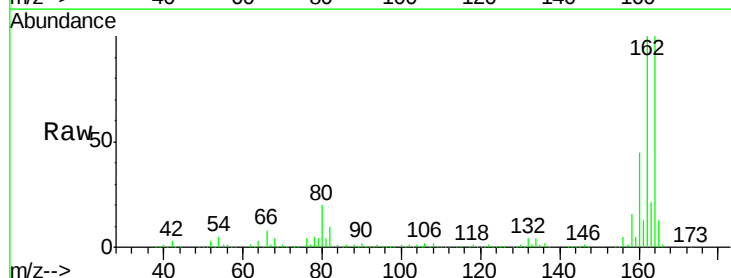
Tgt Ion: 164 Resp: 311250

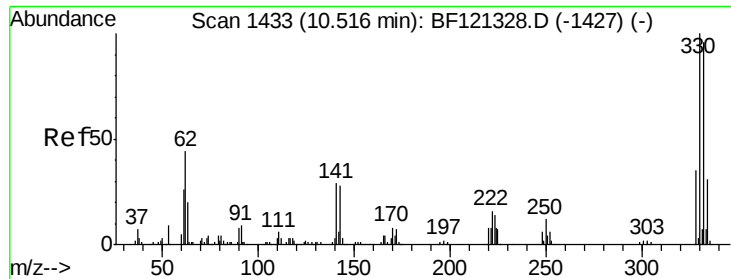
Ion Ratio Lower Upper

164 100

162 100.3 81.7 122.5

160 44.9 37.0 55.4

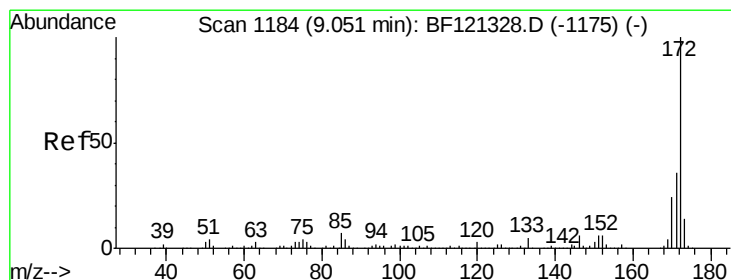
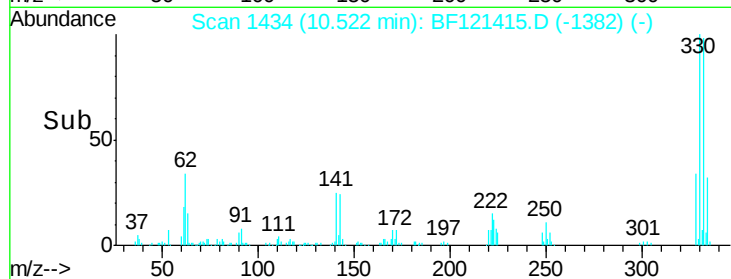
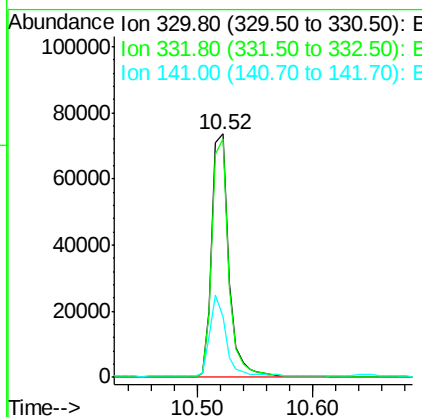
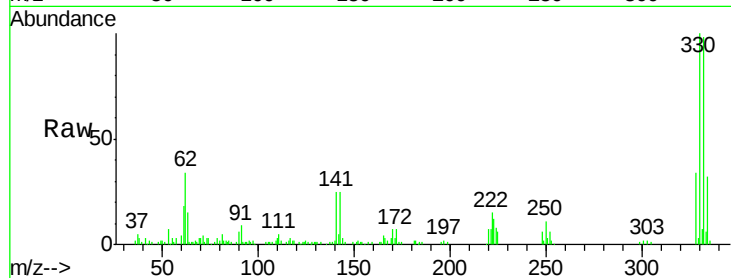




#42
 2,4,6-Tribromophenol
 Concen: 21.155 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121415.D
 Acq: 24 Aug 2020 23:34

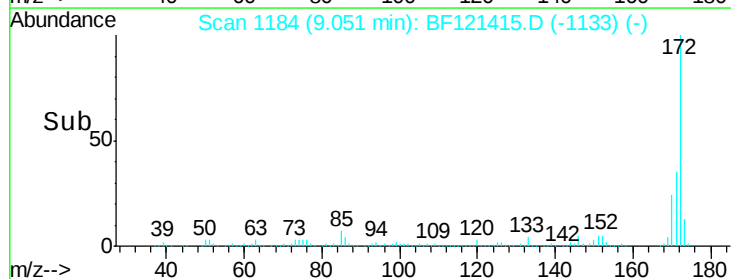
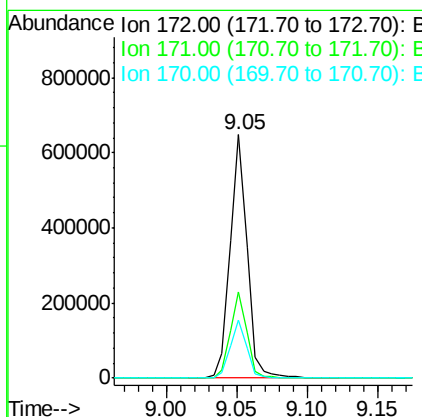
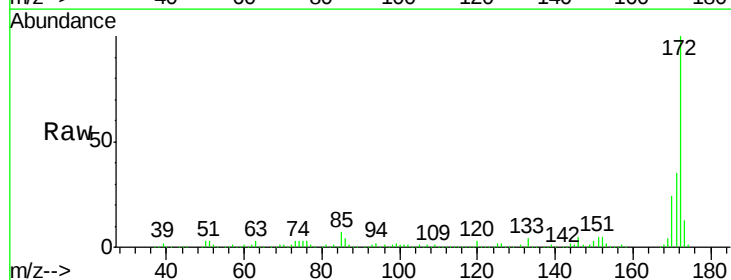
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 JC-03-082120-B

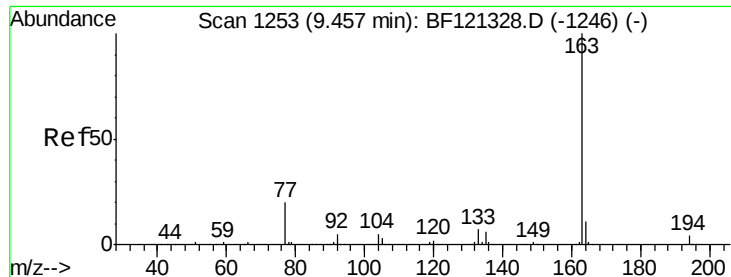
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	32.9	22.8	34.2



#45
 2-Fluorobiphenyl
 Concen: 24.271 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121415.D
 Acq: 24 Aug 2020 23:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.0	43.6
170	23.9	19.4	29.2

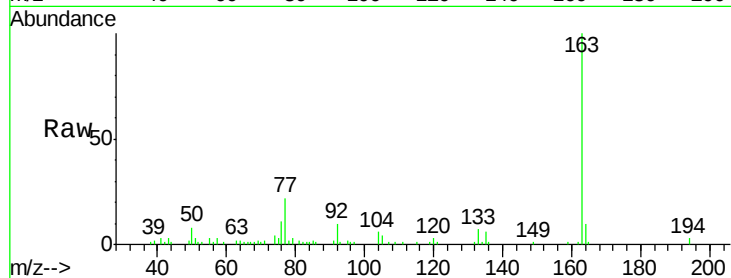




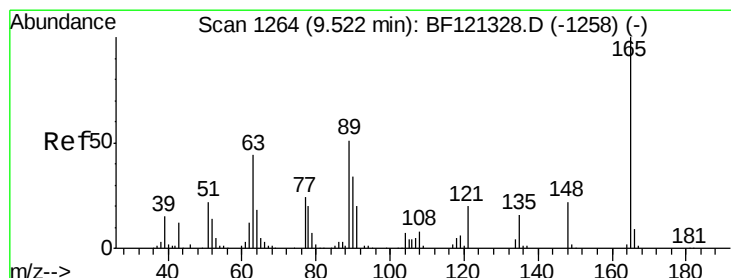
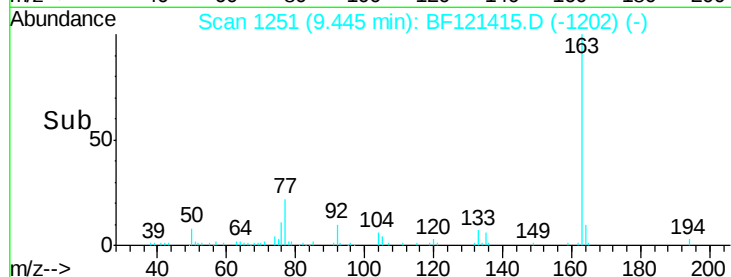
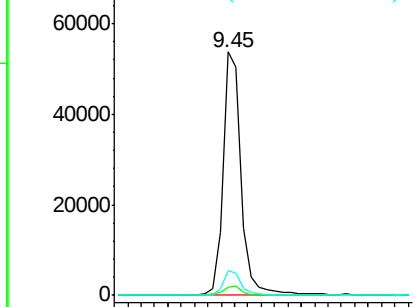
#50
Dimethylphthalate
Concen: 2.265 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.01 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Instrument :
BNA_F
ClientSampleId :
JC-03-082120-B

Tot Ion:163 Resp: 51289
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.6
164 10.1 8.4 12.6

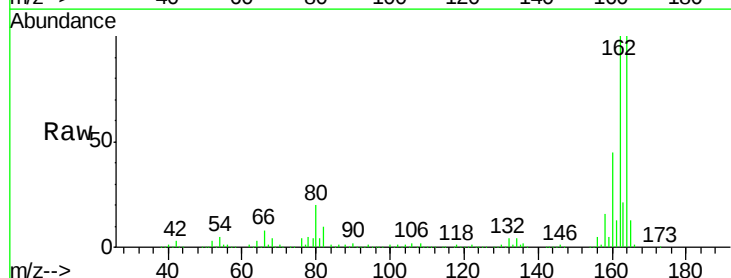


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

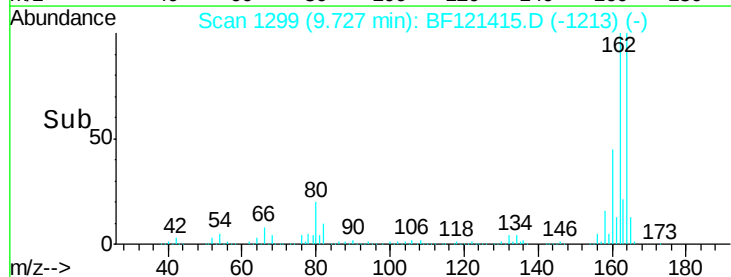
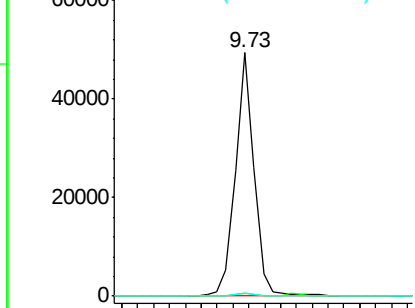


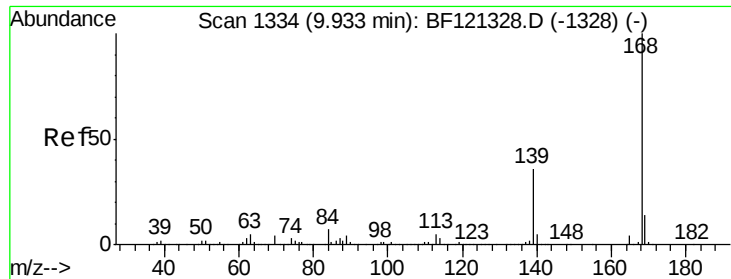
#51
2,6-Dinitrotoluene
Concen: 8.394 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.21 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Tgt Ion:165 Resp: 40595
Ion Ratio Lower Upper
165 100
63 1.1 38.5 57.7#
89 1.0 41.2 61.8#



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

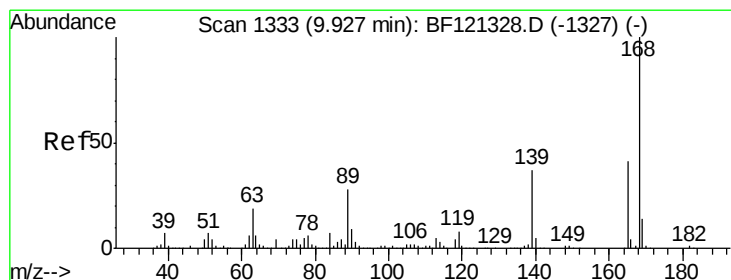
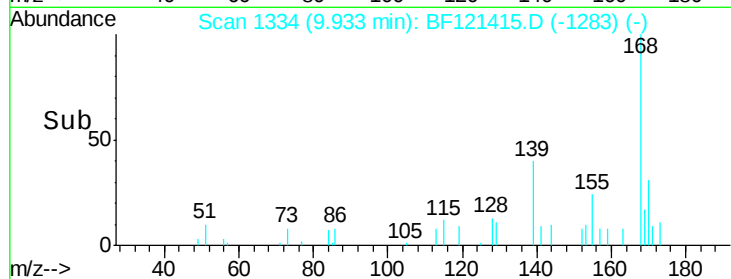
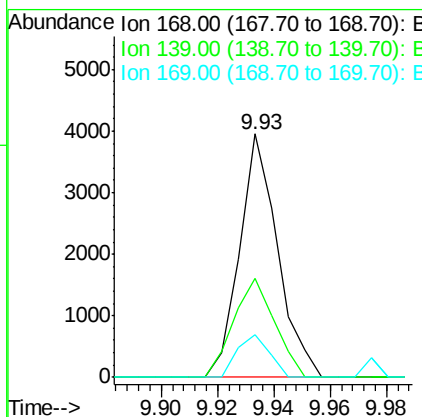
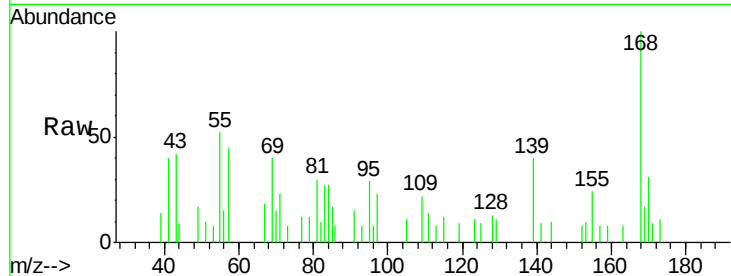




#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

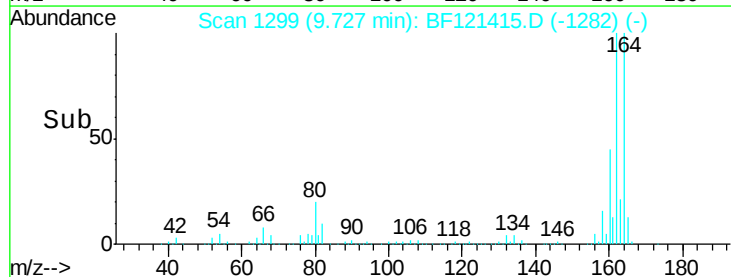
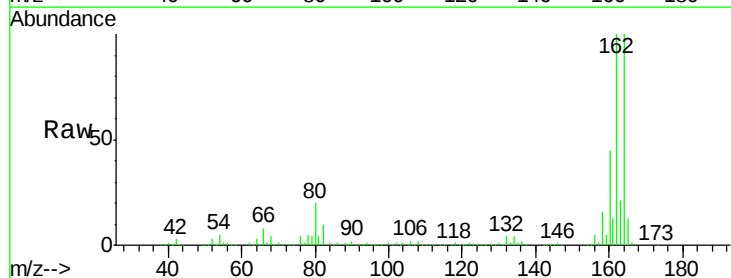
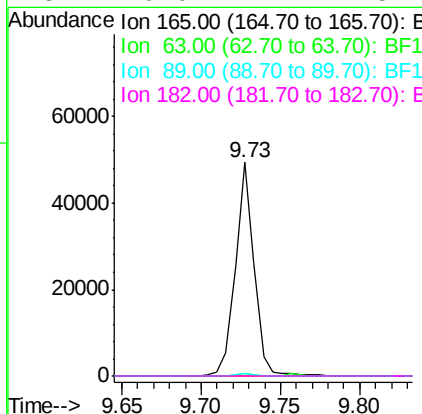
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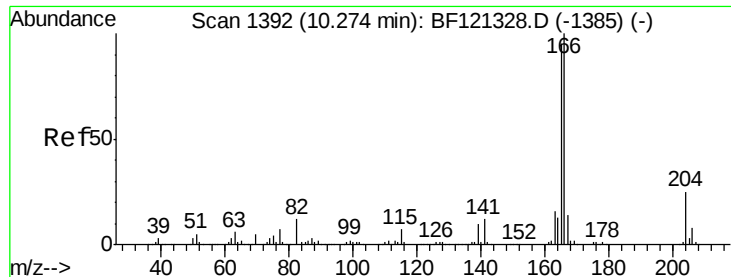
Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	29.1	43.7
169	17.3	11.0	16.6#



#57
2,4-Dinitrotoluene
Concen: 6.881 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.20 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	37.5	56.3#
89	1.0	54.2	81.4#
182	0.0	2.2	3.4#





#58

Fluorene

Concen: Below Cal

RT: 10.27 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-B

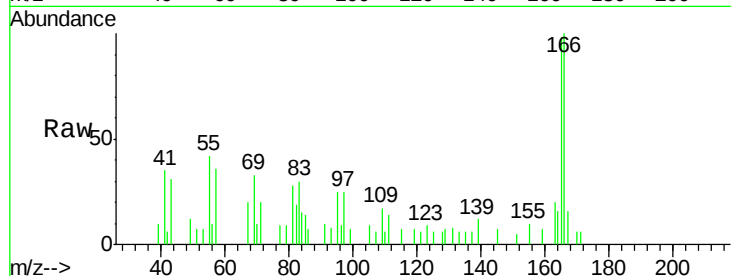
Tot Ion:166 Resp: 5570

Ion Ratio Lower Upper

166 100

165 98.4 75.8 113.8

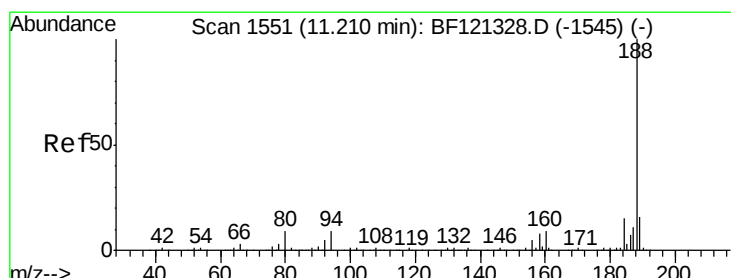
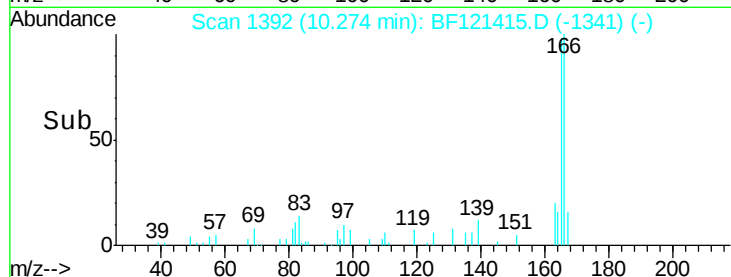
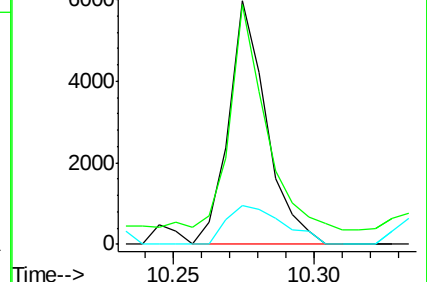
167 15.9 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

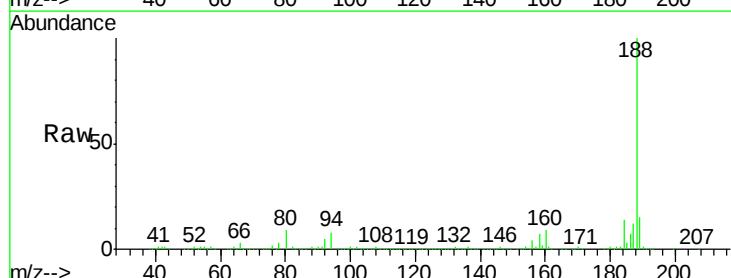
Tgt Ion:188 Resp: 558889

Ion Ratio Lower Upper

188 100

94 8.5 7.2 10.8

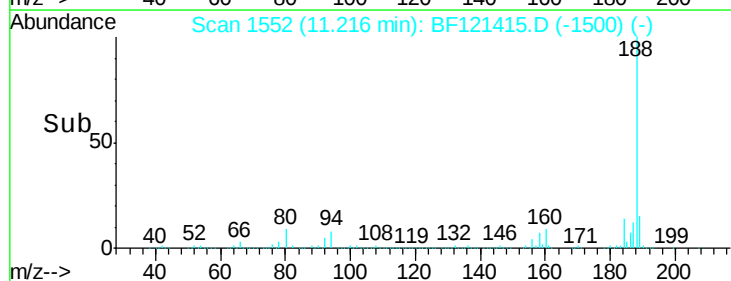
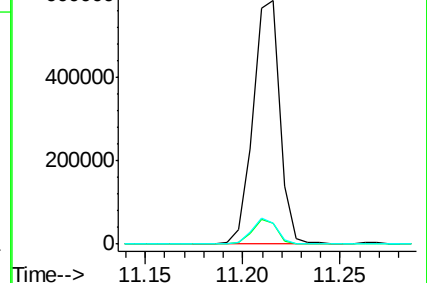
80 8.7 7.4 11.0

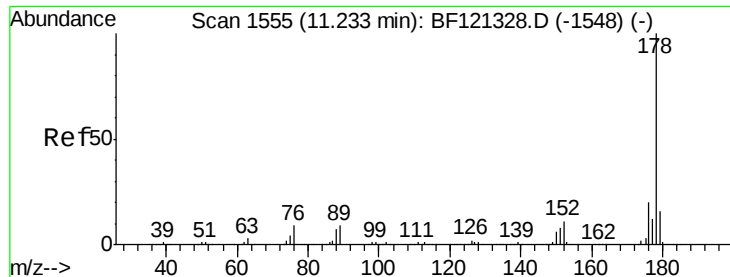


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

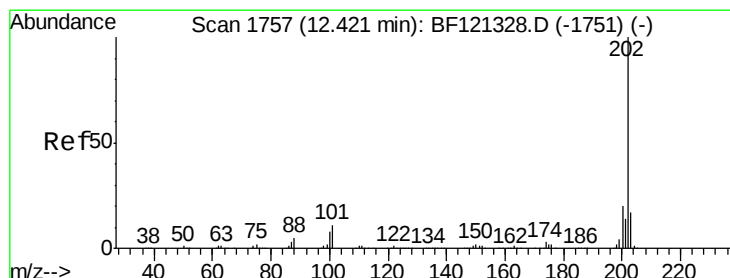
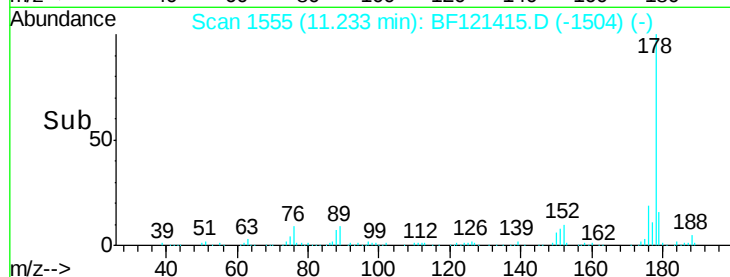
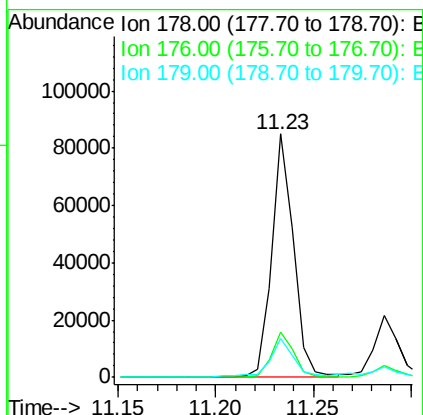
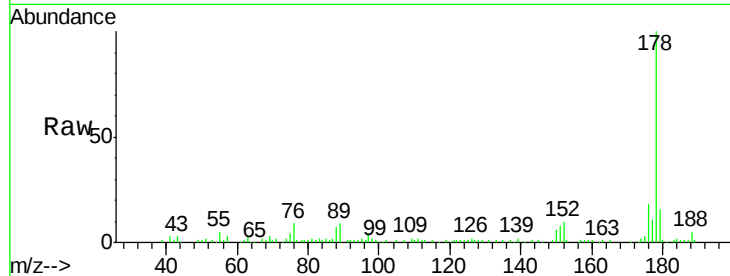




#71
Phenanthrene
Concen: 2.284 ng
RT: 11.23 min Scan# 1555
Delta R.T. 0.00 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

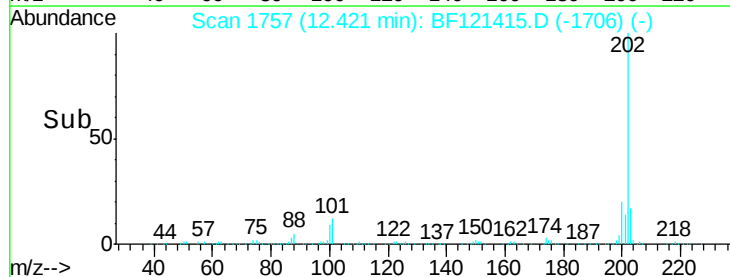
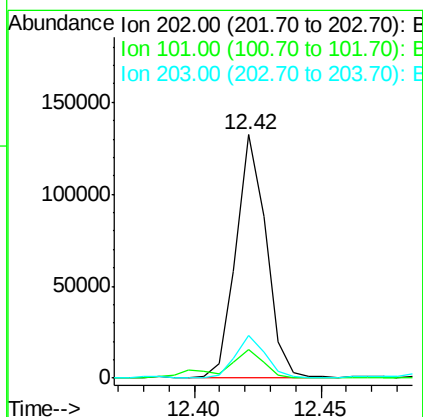
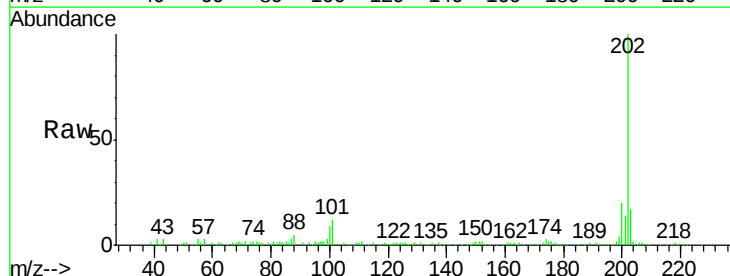
Instrument :
BNA_F
ClientSampleId :
JC-03-082120-B

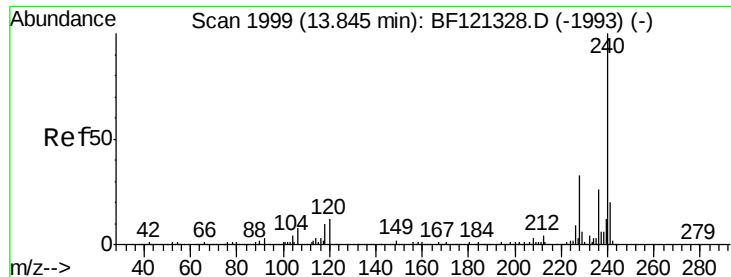
Tot Ion:178 Resp: 66059
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.9 12.8 19.2



#75
Fluoranthene
Concen: 3.478 ng
RT: 12.42 min Scan# 1757
Delta R.T. 0.00 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Tgt Ion:202 Resp: 109188
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.6
203 17.5 0.0 37.5

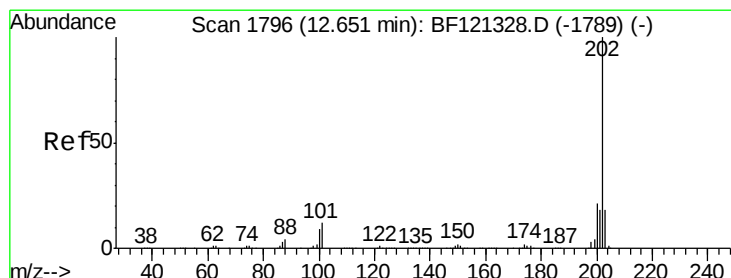
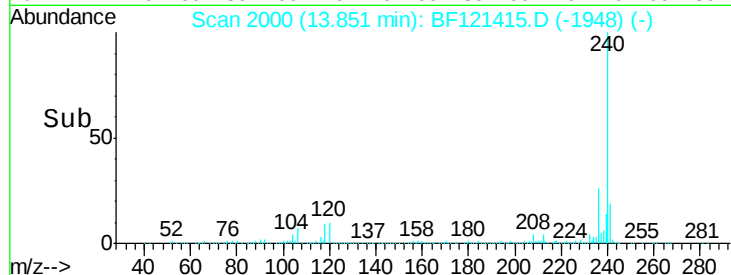
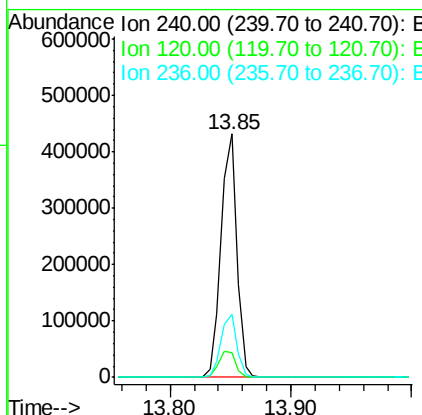
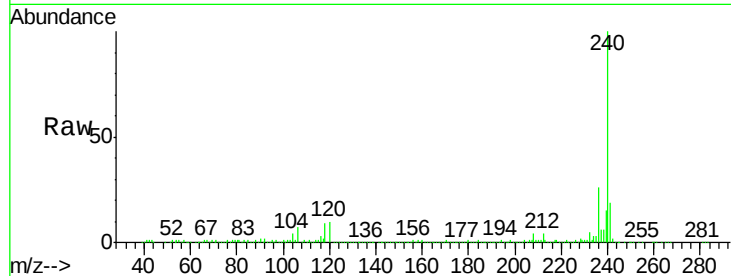




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

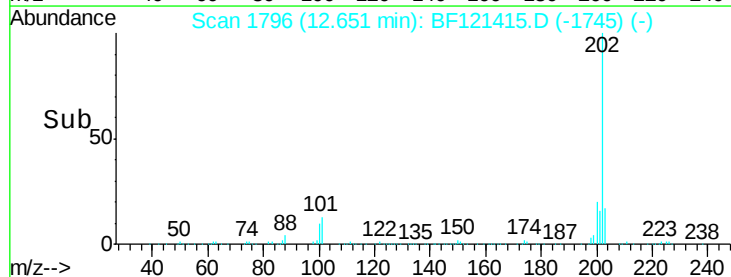
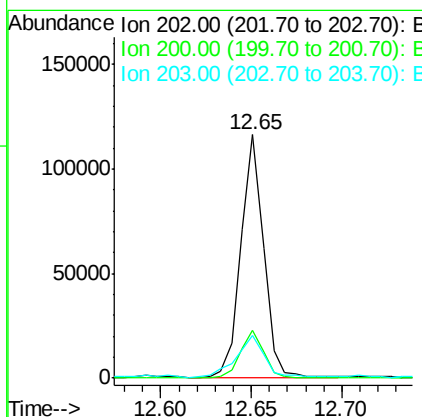
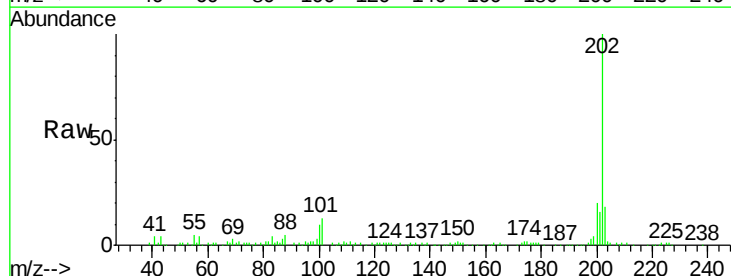
Instrument :
BNA_F
ClientSampleId :
JC-03-082120-B

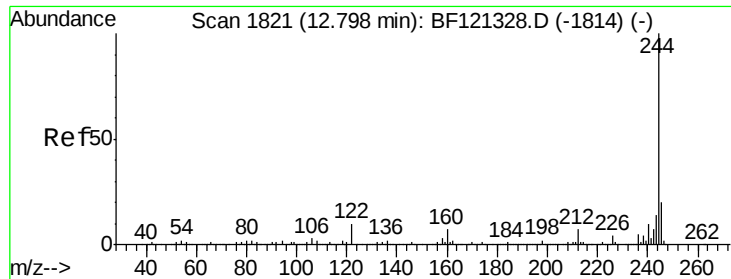
Tot Ion:240 Resp: 390832
Ion Ratio Lower Upper
240 100
120 10.3 9.6 14.4
236 26.2 20.6 31.0



#78
Pyrene
Concen: 3.444 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Tgt Ion:202 Resp: 101108
Ion Ratio Lower Upper
202 100
200 19.8 16.6 24.8
203 17.7 14.2 21.2





#79

Terphenyl-d14

Concen: 23.810 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

Instrument :

BNA_F

ClientSampleId :

JC-03-082120-B

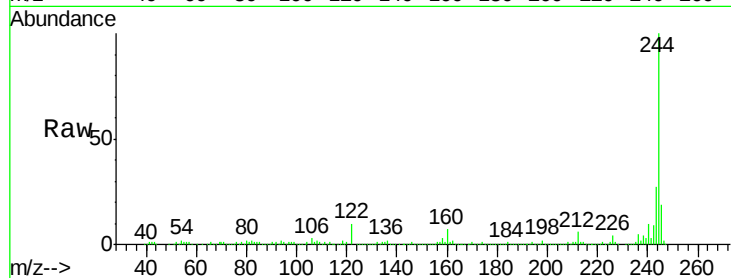
Tot Ion:244 Resp: 476207

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

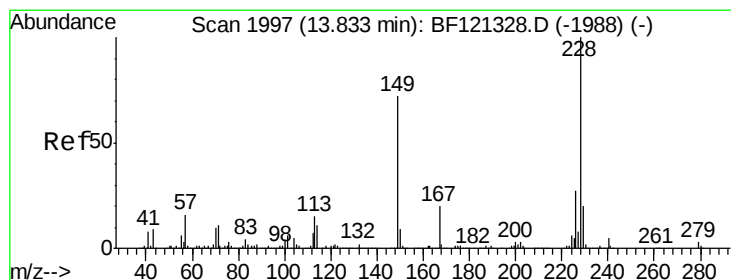
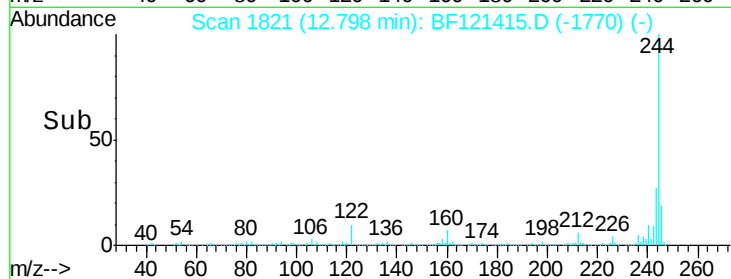
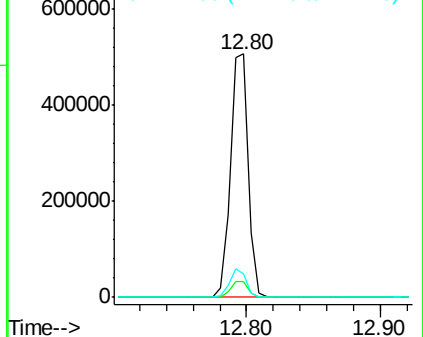
122 9.7 7.8 11.8



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: 2.059 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF121415.D

Acq: 24 Aug 2020 23:34

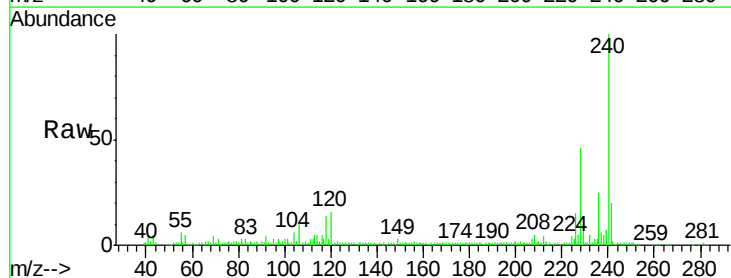
Tgt Ion:228 Resp: 49989

Ion Ratio Lower Upper

228 100

226 32.1 21.8 32.6

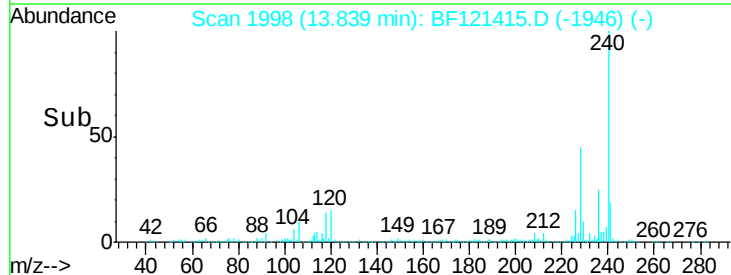
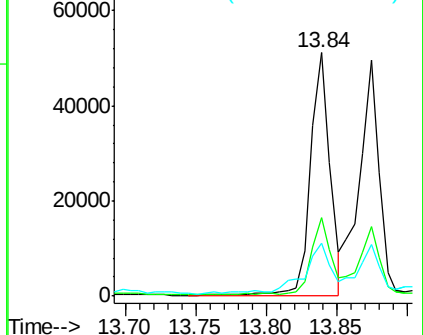
229 21.7 15.8 23.8

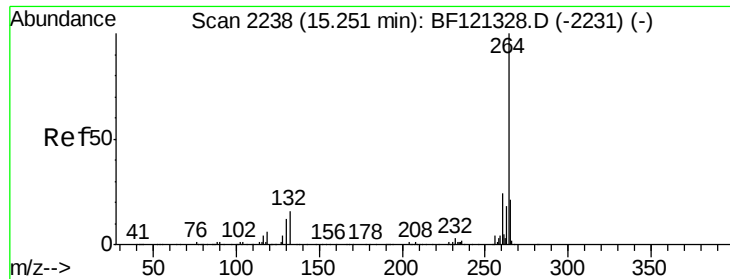


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



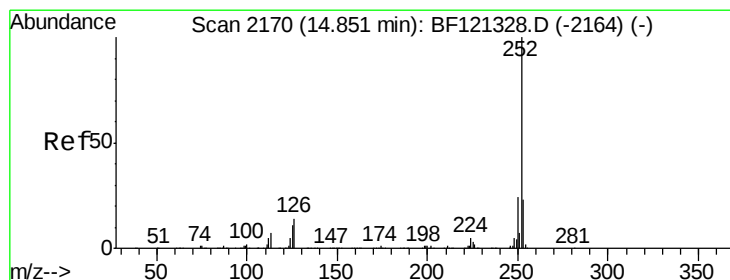
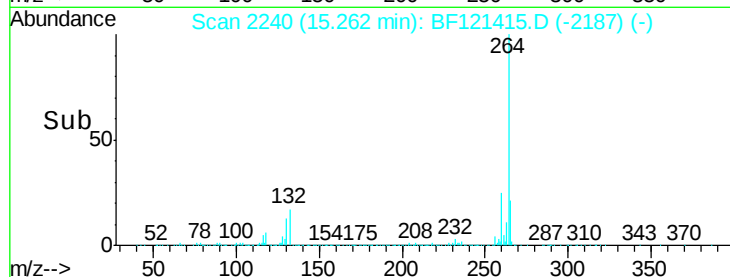
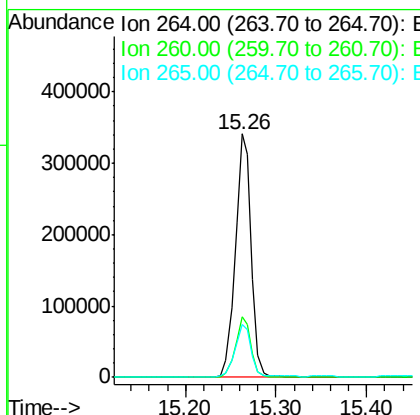
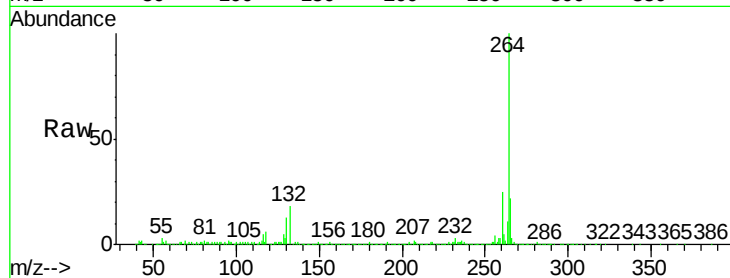


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Instrument :
BNA_F
ClientSampleId :
JC-03-082120-B

Tot Ion:264 Resp: 415272

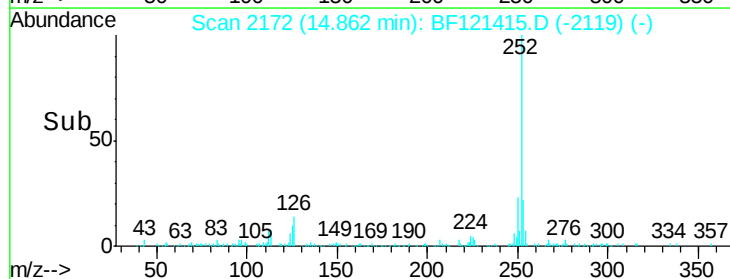
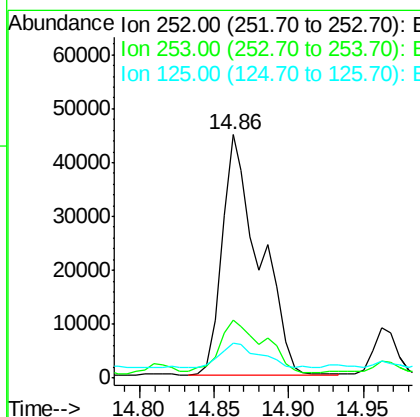
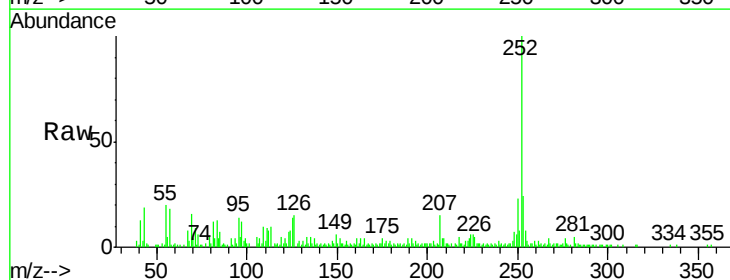
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.5	29.3
265	21.6	17.1	25.7

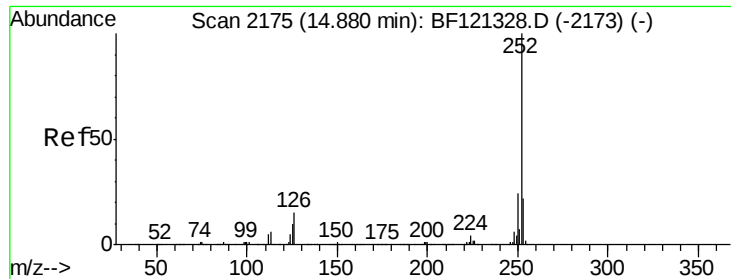


#88
Benzo(b)fluoranthene
Concen: 2.872 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121415.D
Acq: 24 Aug 2020 23:34

Tgt Ion:252 Resp: 77055

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	14.3	8.6	12.8

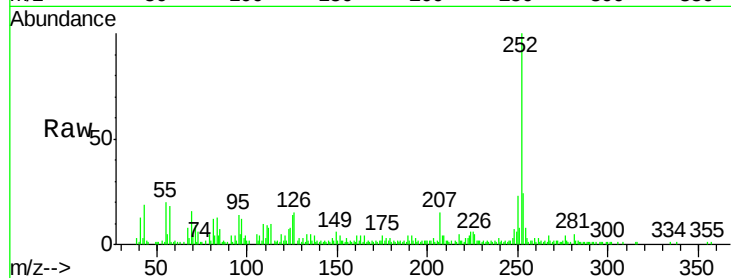




#89
 Benzo(k)fluoranthene
 Concen: 3.263 ng
 RT: 14.86 min Scan# 2172
 Delta R.T. -0.02 min
 Lab File: BF121415.D
 Acq: 24 Aug 2020 23:34

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-082120-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	14.3	8.6	12.8



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

