

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082520\
 Data File : BF121438.D
 Acq On : 25 Aug 2020 20:45
 Operator : JU/CG
 Sample : L3786-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 619-047

Quant Time: Aug 26 00:44:08 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	148997	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	595574	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	299826	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	507826	20.00	ng	0.01
76) Chrysene-d12	13.86	240	368657	20.00	ng	0.01
86) Perylene-d12	15.27	264	410045	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	319945	35.21	ng	0.01
7) Phenol-d6	6.35	99	292041	25.18	ng	0.00
23) Nitrobenzene-d5	7.26	82	256706	24.38	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	116893	33.46	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	529688	24.75	ng	0.00
79) Terphenyl-d14	12.80	244	460868	24.43	ng	0.00

Target Compounds

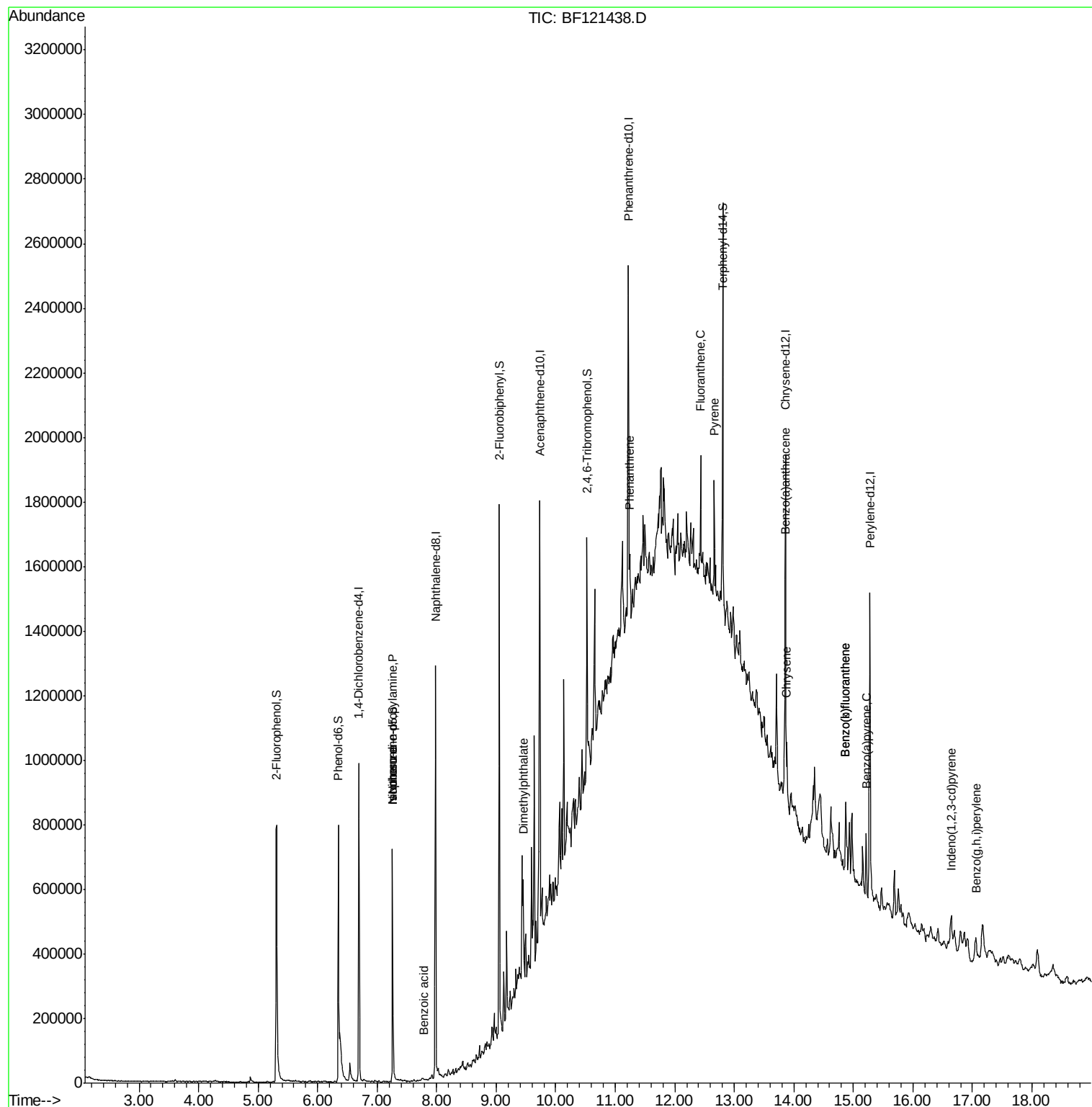
						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	33518	5.373	ng	# 82
25) Isophorone	7.26	82	253745	13.241	ng	# 65
32) Benzoic acid	7.79	122	219	7.096	ng	# 13
50) Dimethylphthalate	9.45	163	126711	5.809	ng	99
55) Dibenzofuran	9.94	168	2701	Below Cal	#	1
58) Fluorene	10.28	166	5055	Below Cal	#	62
61) 4-Chlorophenyl-phenylether	10.29	204	3558	Below Cal	#	36
71) Phenanthrene	11.24	178	72358	2.753	ng	# 90
75) Fluoranthene	12.43	202	171414	6.009	ng	97
78) Pyrene	12.66	202	168962	6.101	ng	97
81) Benzo(a)anthracene	13.85	228	82768	3.615	ng	91
83) Chrysene	13.88	228	83358	3.559	ng	96
87) Indeno(1,2,3-cd)pyrene	16.64	276	57729	2.306	ng	97
88) Benzo(b)fluoranthene	14.87	252	155655	5.876	ng	# 94
89) Benzo(k)fluoranthene	14.87	252	155655	6.675	ng	# 94
90) Benzo(a)pyrene	15.21	252	80627	3.523	ng	# 92
92) Benzo(a,h,i)perylene	17.06	276	58006	2.891	ng	# 92

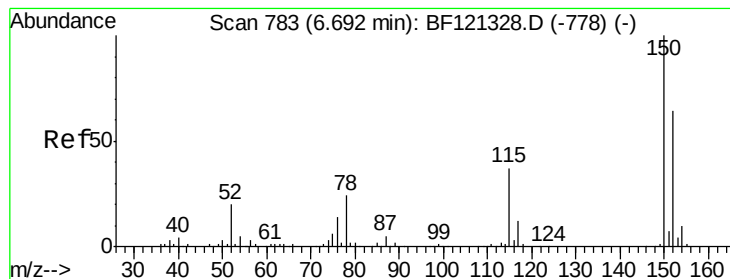
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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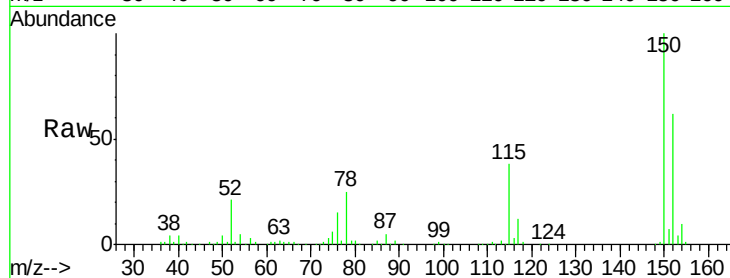


#1

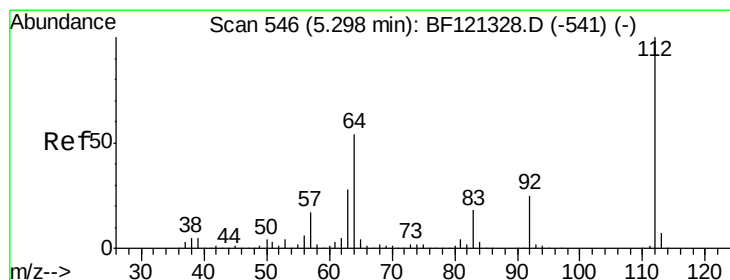
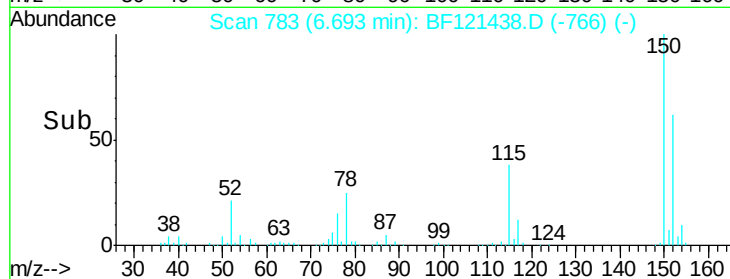
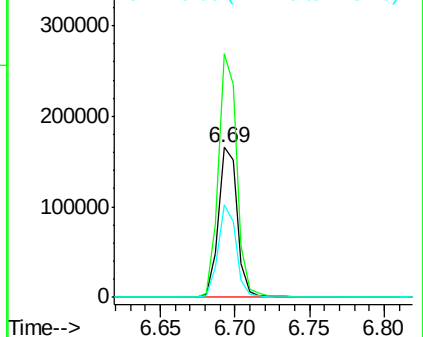
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Instrument :
BNA_F
ClientSampleId :
619-047

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	124.8	187.2
115	62.0	46.1	69.1



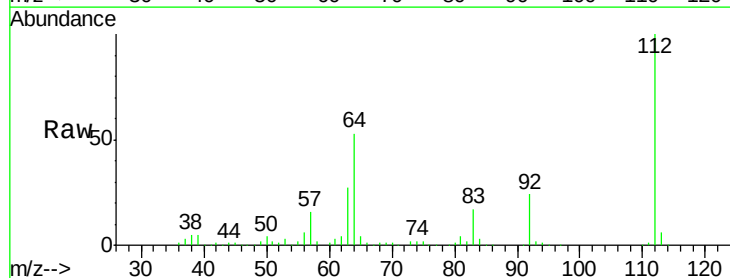
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



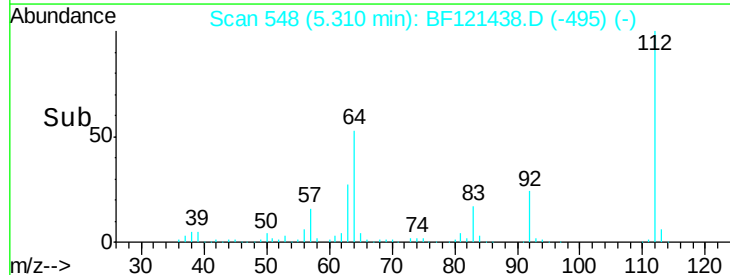
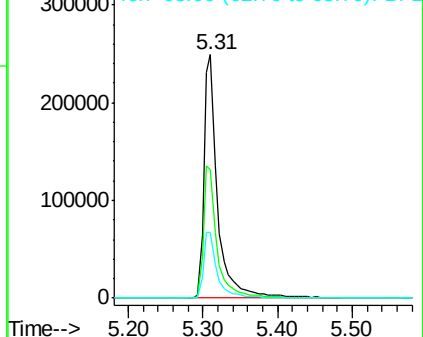
#5

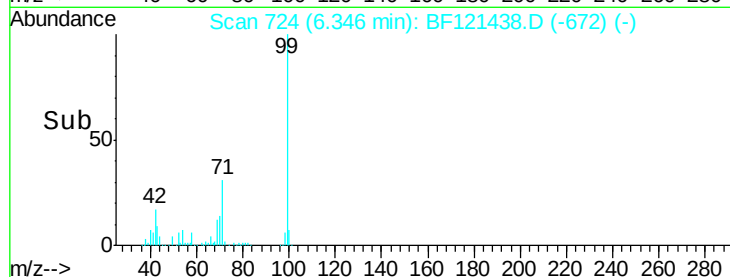
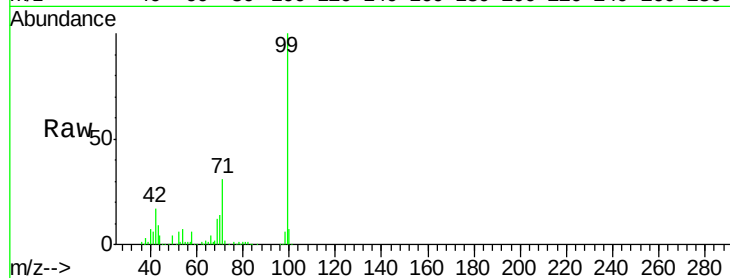
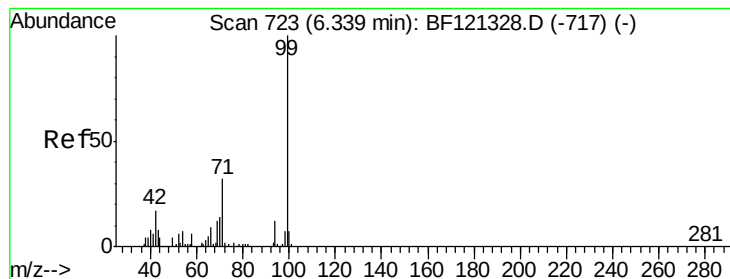
2-Fluorophenol
Concen: 35.210 ng
RT: 5.31 min Scan# 548
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	43.5	65.3
63	26.7	22.0	33.0



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: 25.176 ng

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF121438.D

Acq: 25 Aug 2020 20:45

Instrument :

BNA_F

ClientSampleId :

619-047

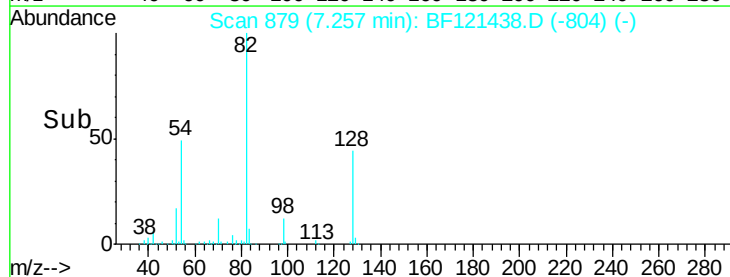
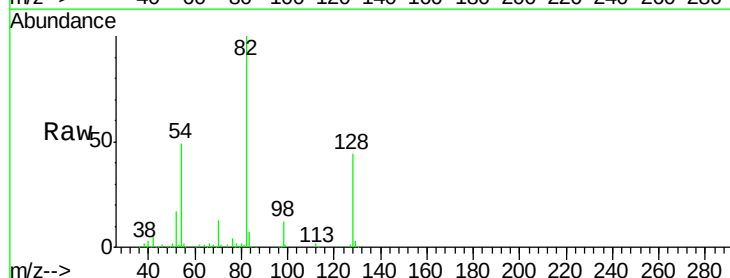
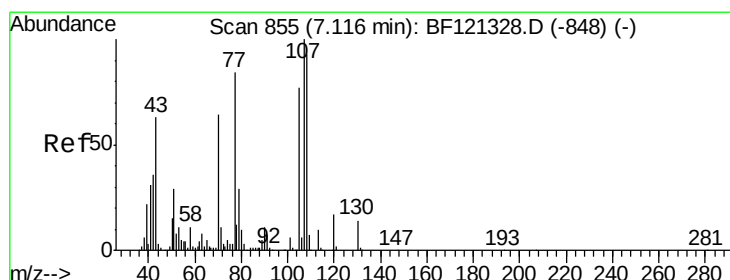
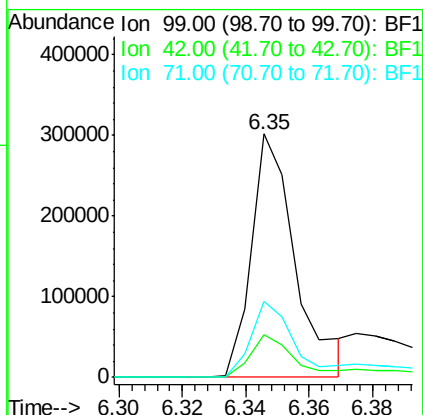
Tot Ion: 99 Resp: 292041

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 31.0 25.2 37.8



#19

n-Nitroso-di-n-propylamine

Concen: 5.373 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF121438.D

Acq: 25 Aug 2020 20:45

Tgt Ion: 70 Resp: 33518

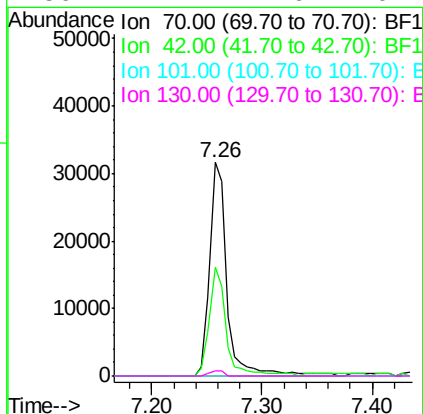
Ion Ratio Lower Upper

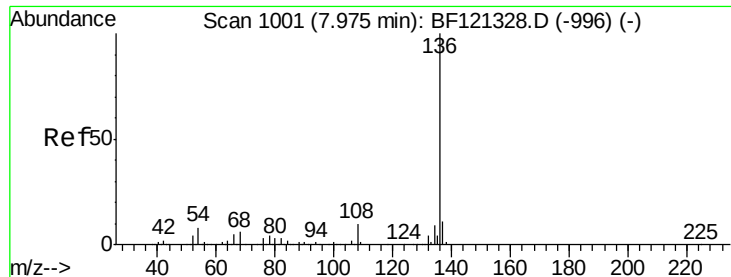
70 100

42 50.9 45.2 67.8

101 0.0 7.7 11.5#

130 2.4 17.6 26.4#

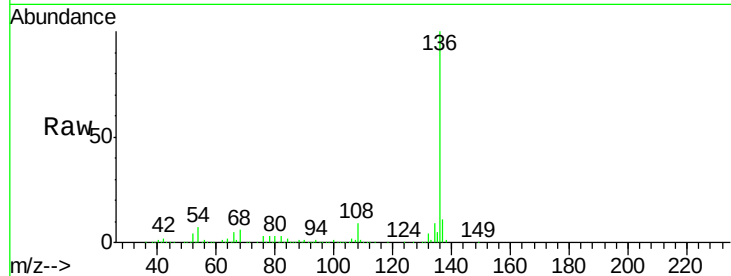




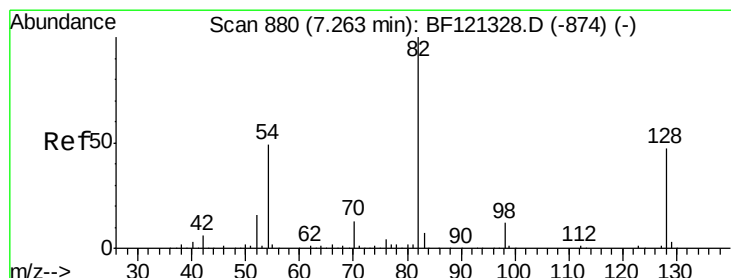
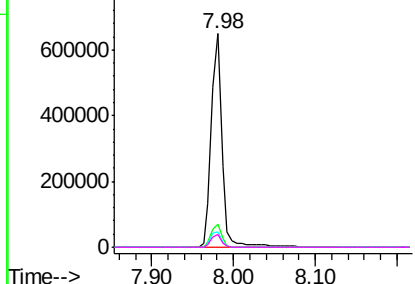
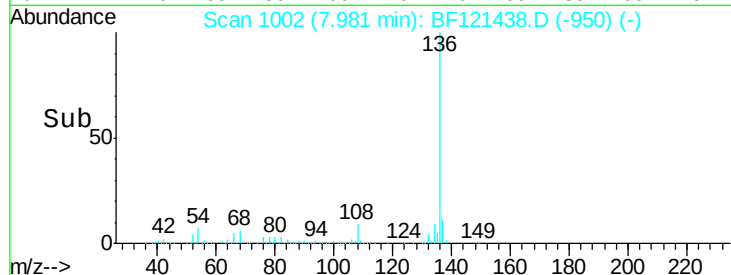
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Instrument :
BNA_F
ClientSampleId :
619-047

Tot Ion:136	Resp:	595574
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.9 13.3
54	7.1	6.1 9.1
68	5.9	5.0 7.4

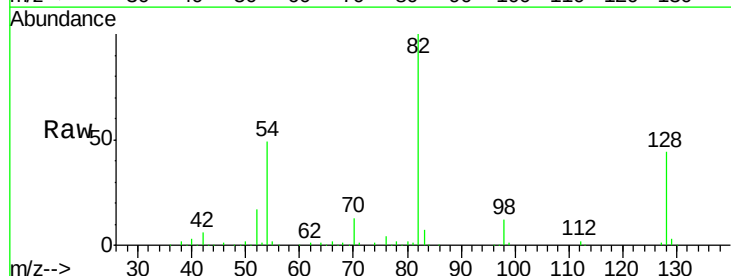


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

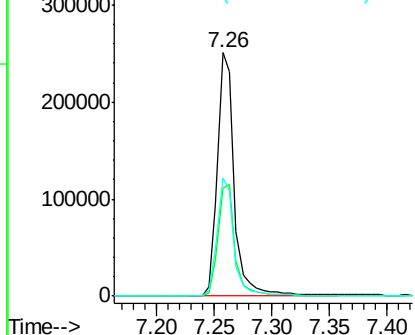
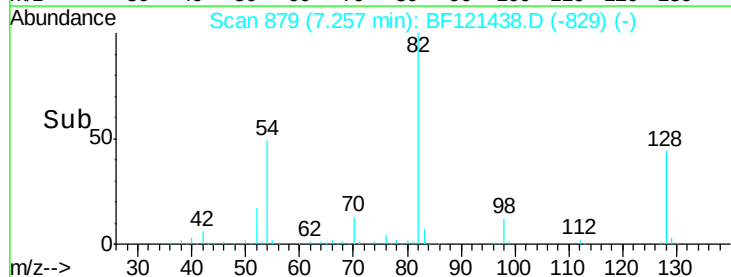


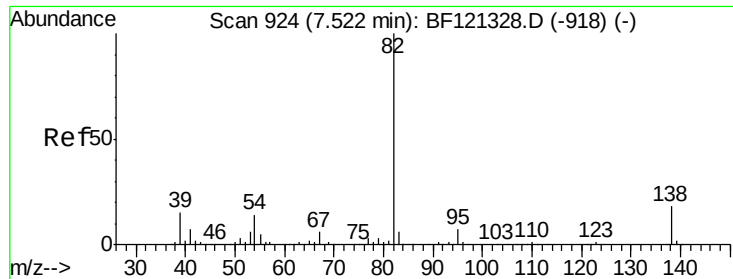
#23
Nitrobenzene-d5
Concen: 24.377 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion: 82	Resp:	256706
Ion	Ratio	Lower Upper
82	100	
128	44.3	37.9 56.9
54	48.7	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

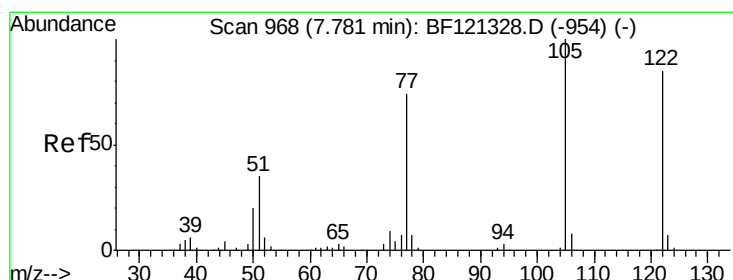
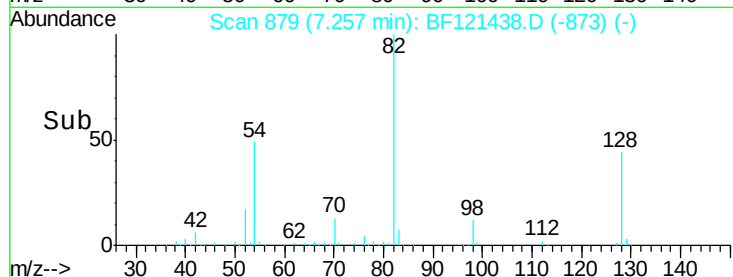
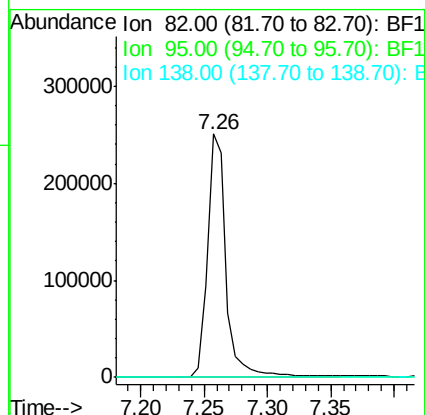
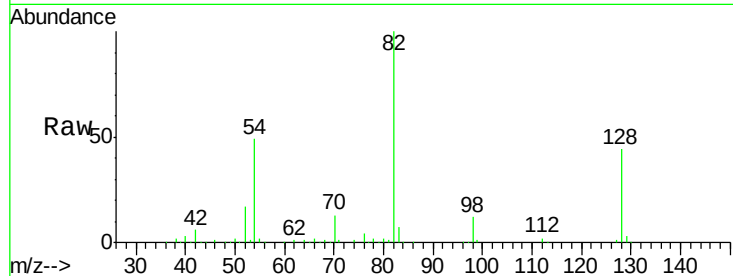




#25
Isophorone
Concen: 13.241 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

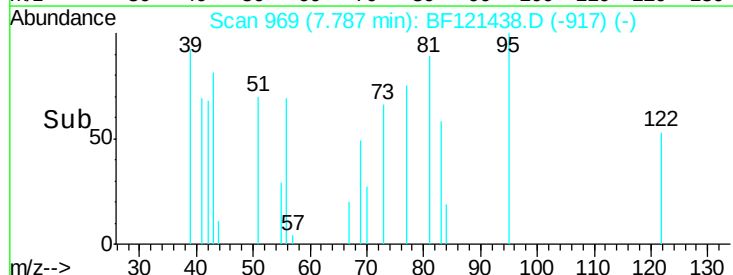
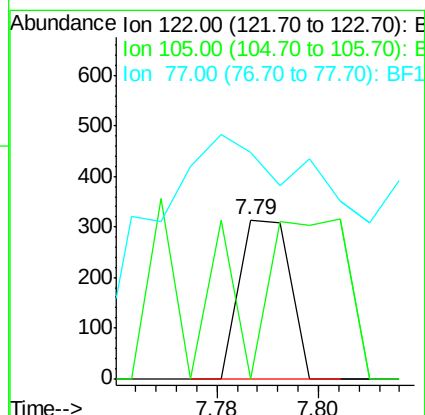
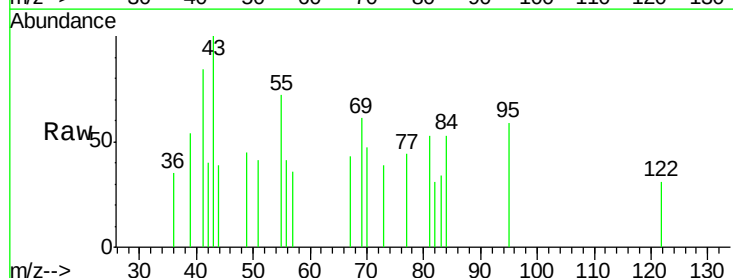
Instrument :
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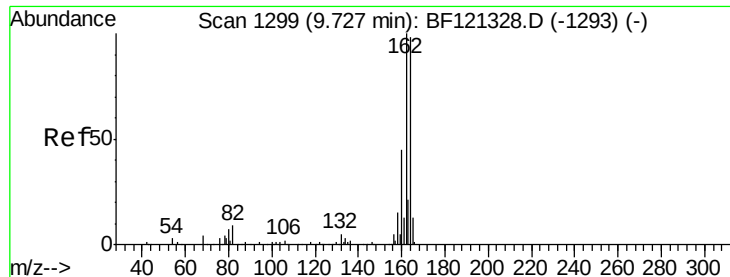
Tot Ion: 82 Resp: 253745
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 7.096 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion: 122 Resp: 219
Ion Ratio Lower Upper
122 100
105 0.0 96.7 136.7#
77 142.4 66.7 106.7#

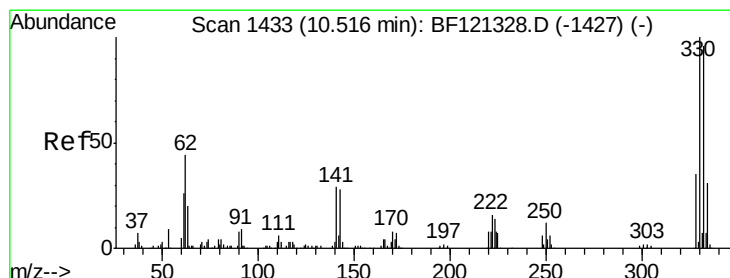
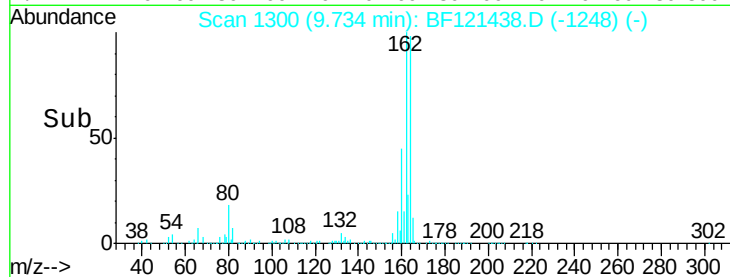
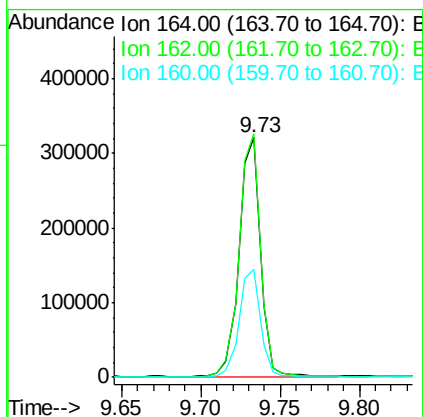
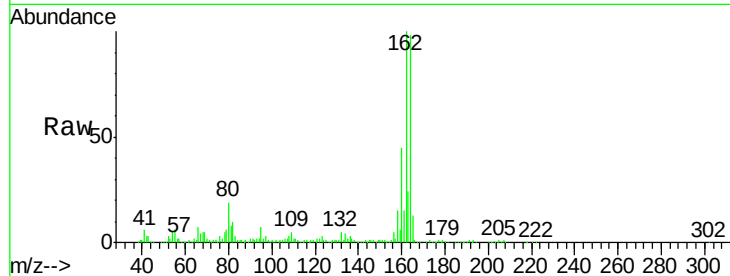




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: BF121438.D
 Acq: 25 Aug 2020 20:45

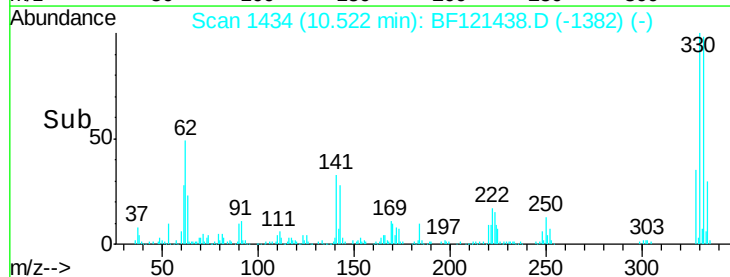
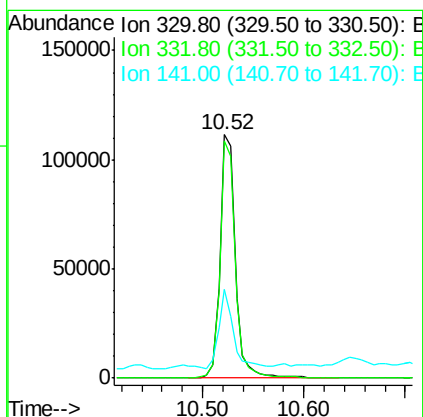
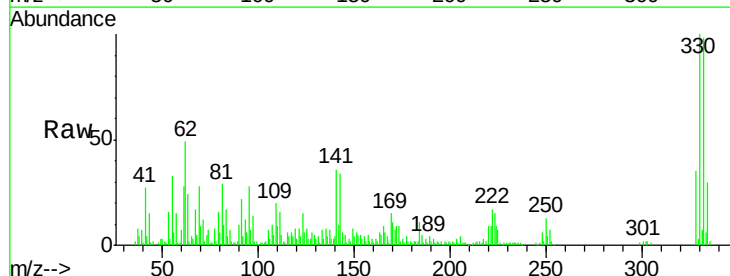
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 619-047

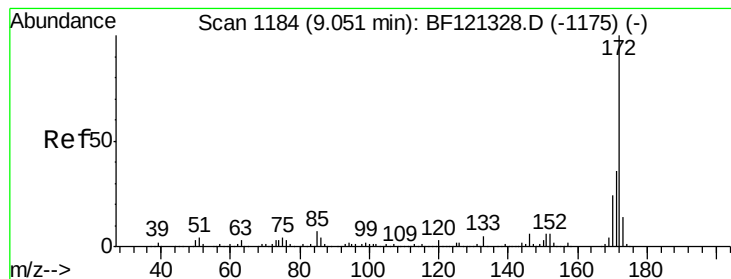
Tot Ion:164 Resp: 299826
 Ion Ratio Lower Upper
 164 100
 162 101.7 81.7 122.5
 160 45.3 37.0 55.4



#42
 2,4,6-Tribromophenol
 Concen: 33.456 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121438.D
 Acq: 25 Aug 2020 20:45

Tgt Ion:330 Resp: 116893
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.9 115.3
 141 30.7 22.8 34.2

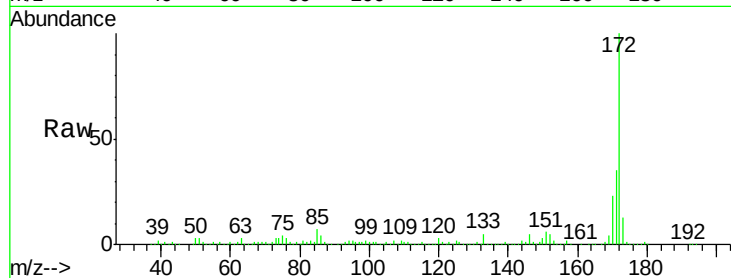




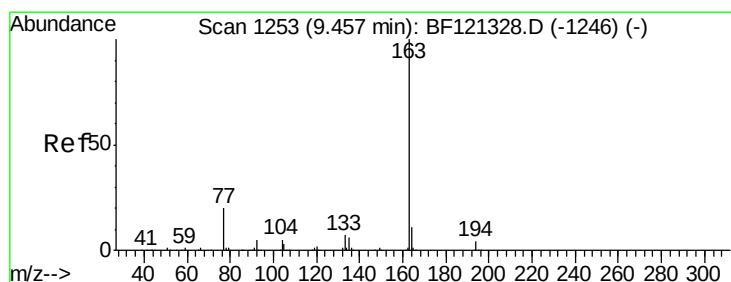
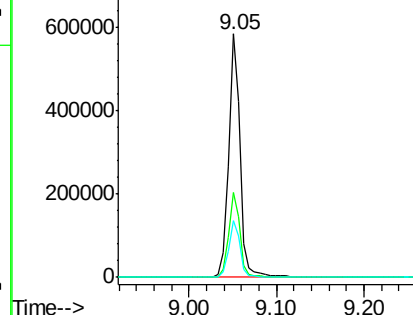
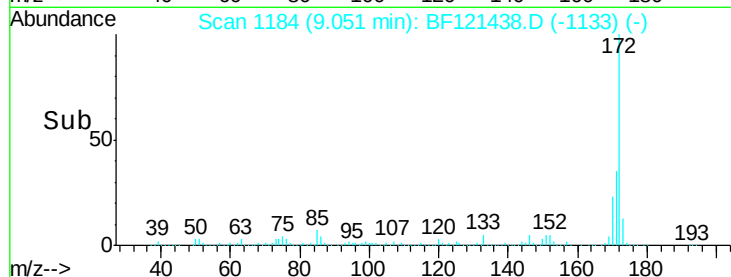
#45
2-Fluorobiphenyl
Concen: 24.751 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Instrument :
BNA_F
ClientSampleId :
619-047

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.0	43.6
170	23.3	19.4	29.2

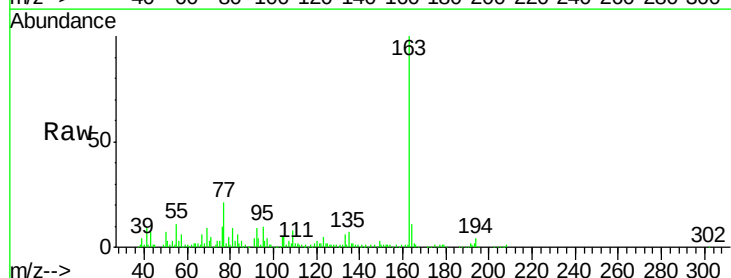


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

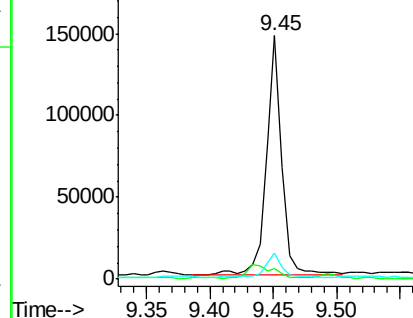
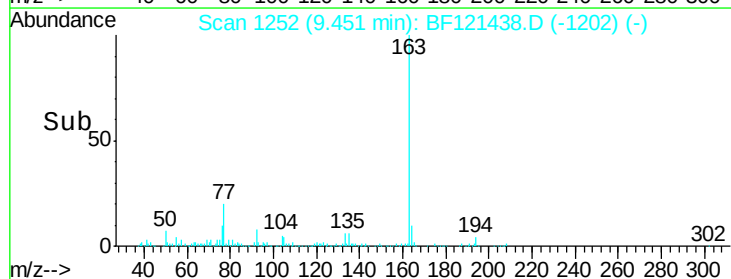


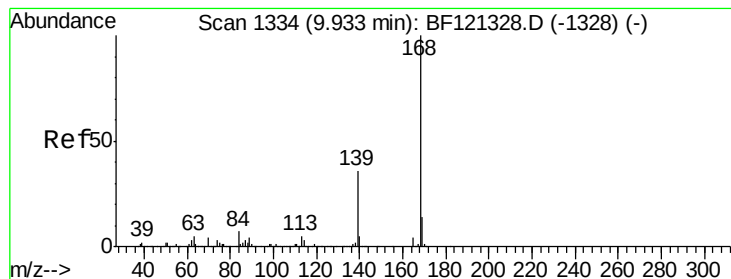
#50
Dimethylphthalate
Concen: 5.809 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.0	4.6
164	10.6	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





#55

Dibenzenofuran

Concen: Below Cal

RT: 9.94 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BF121438.D

Acq: 25 Aug 2020 20:45

Instrument :

BNA_F

ClientSampleId :

619-047

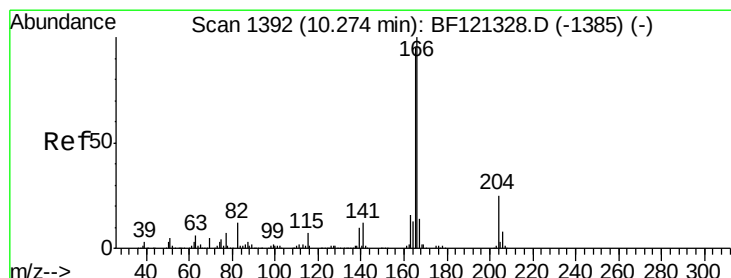
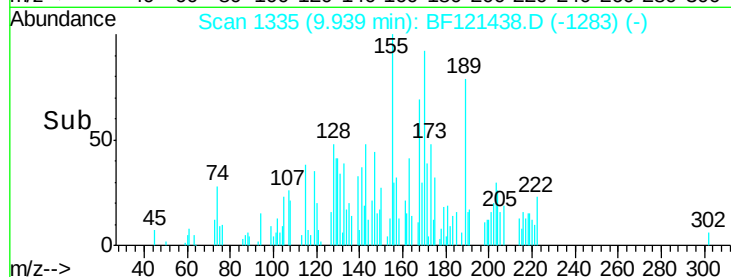
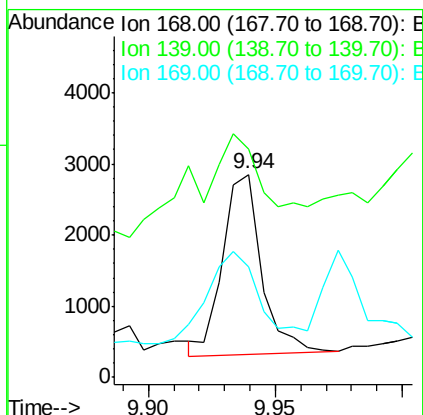
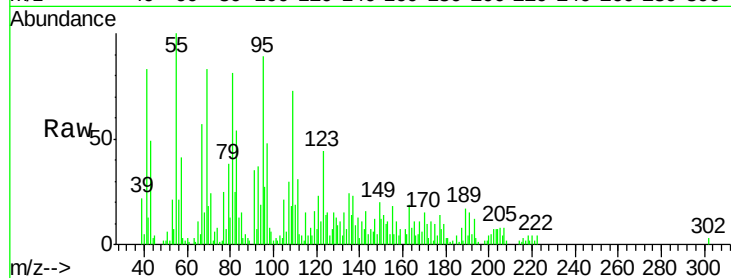
Tot Ion:168 Resp: 2701

Ion Ratio Lower Upper

168 100

139 112.5 29.1 43.7#

169 54.5 11.0 16.6#



#58

Fluorene

Concen: Below Cal

RT: 10.28 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BF121438.D

Acq: 25 Aug 2020 20:45

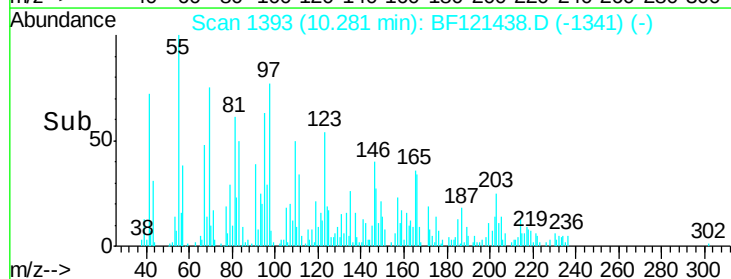
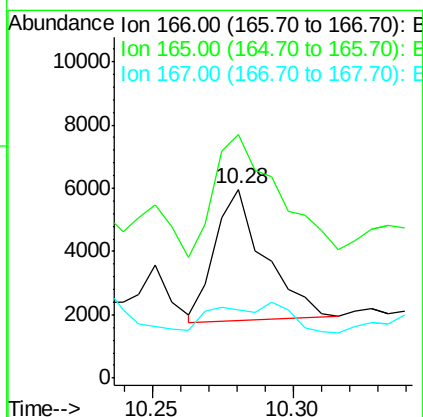
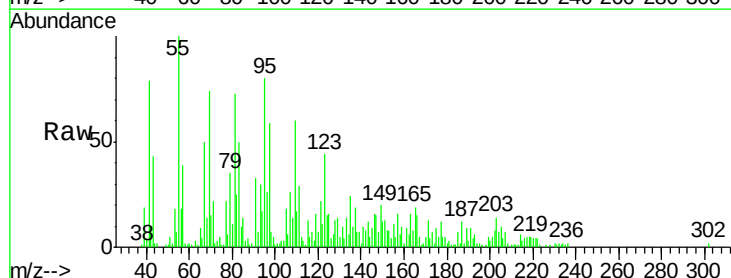
Tgt Ion:166 Resp: 5055

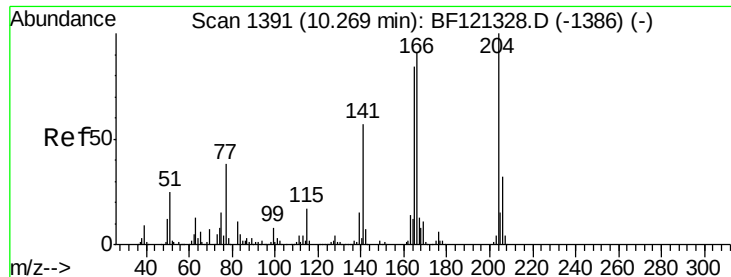
Ion Ratio Lower Upper

166 100

165 128.7 75.8 113.8#

167 36.2 11.0 16.4#

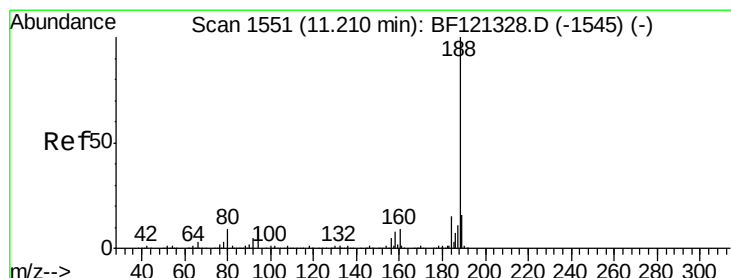
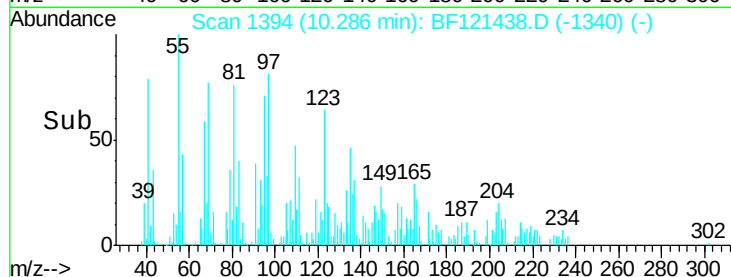
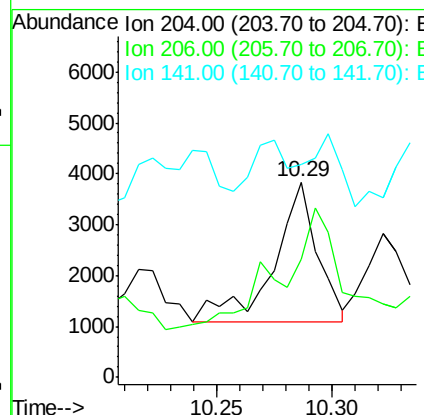
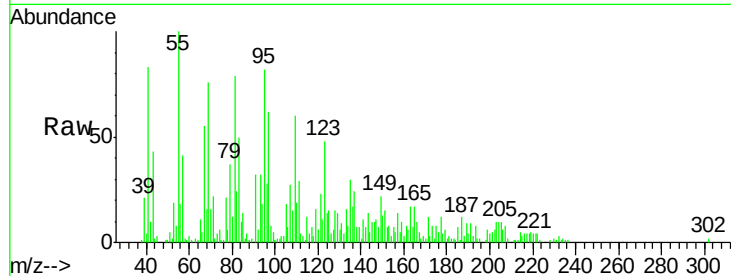




#61
4-Chlorophenyl-phenylether
Concen: Below Cal
RT: 10.29 min Scan# 1394
Delta R.T. 0.02 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

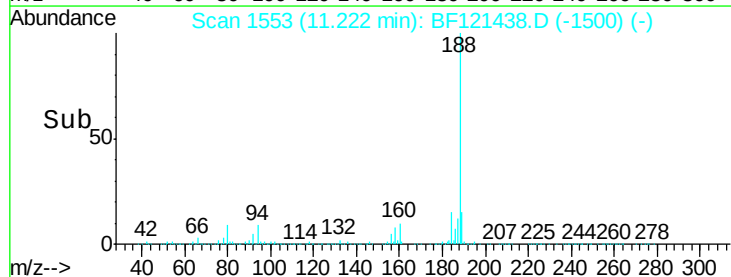
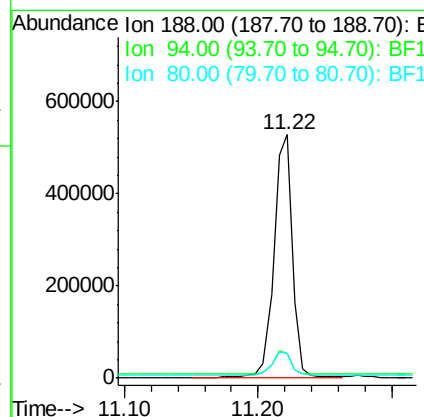
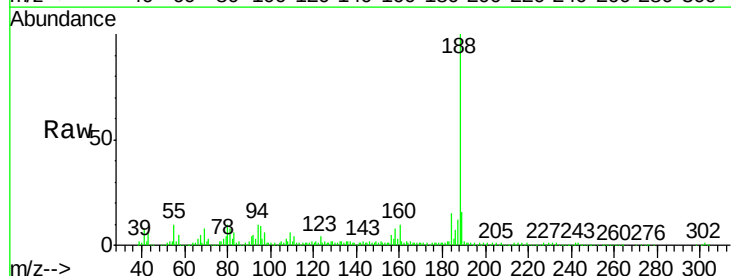
Instrument :
BNA_F
ClientSampleId :
619-047

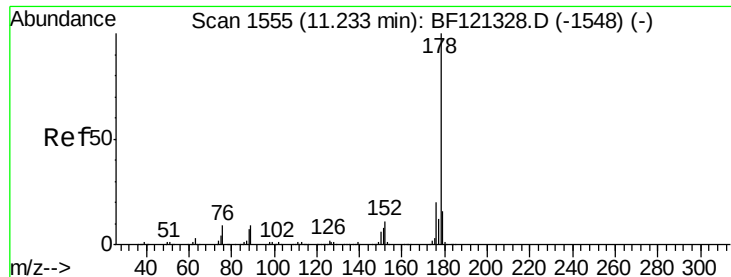
Tot Ion:204 Resp: 3558
Ion Ratio Lower Upper
204 100
206 60.8 25.9 38.9#
141 109.1 45.5 68.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion:188 Resp: 507826
Ion Ratio Lower Upper
188 100
94 10.1 7.2 10.8
80 9.9 7.4 11.0

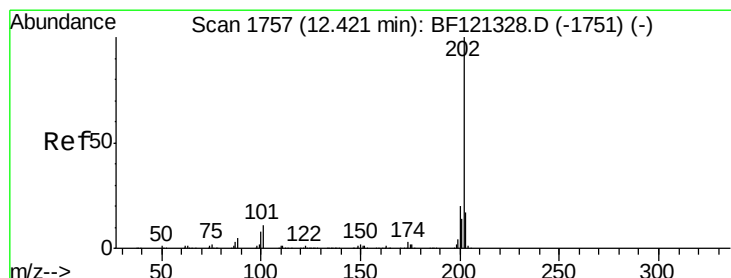
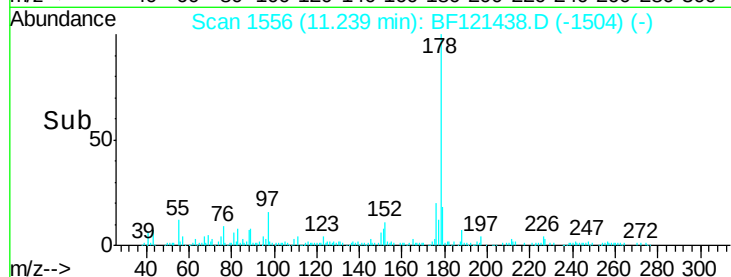
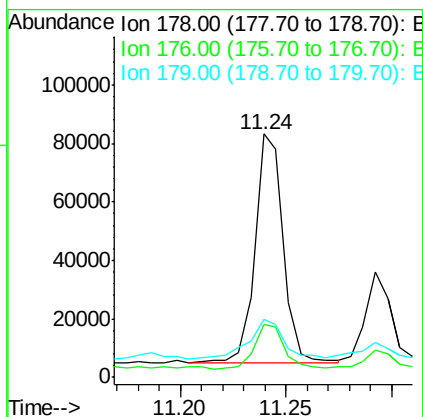
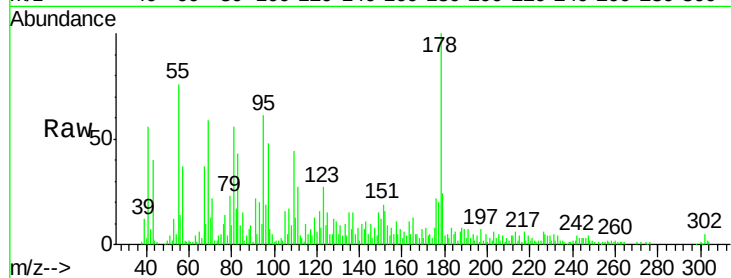




#71
Phenanthrene
Concen: 2.753 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

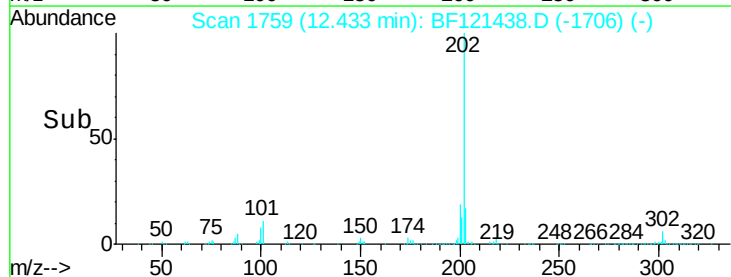
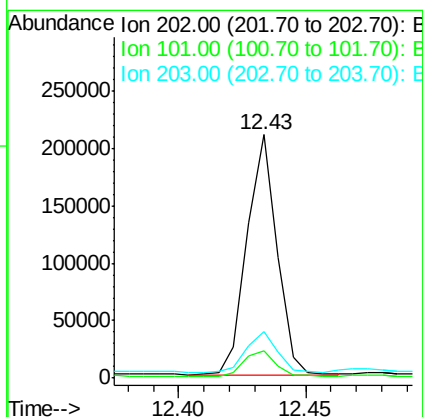
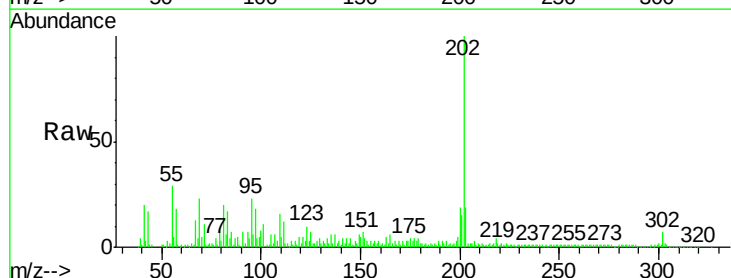
Instrument :
BNA_F
ClientSampleId :
619-047

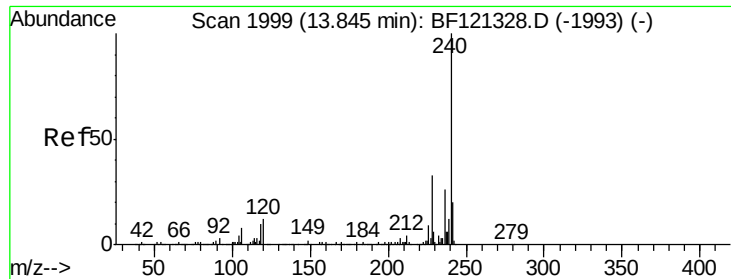
Tot Ion:178 Resp: 72358
Ion Ratio Lower Upper
178 100
176 22.0 16.0 24.0
179 23.6 12.8 19.2#



#75
Fluoranthene
Concen: 6.009 ng
RT: 12.43 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion:202 Resp: 171414
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.6
203 19.3 0.0 37.5

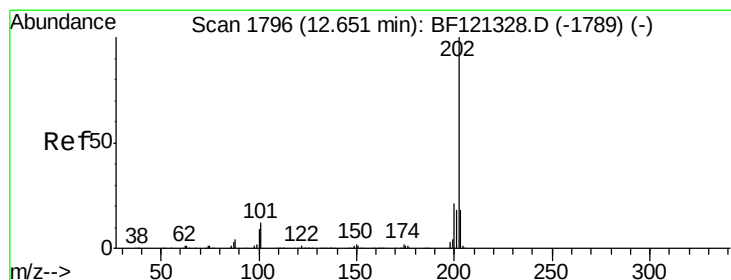
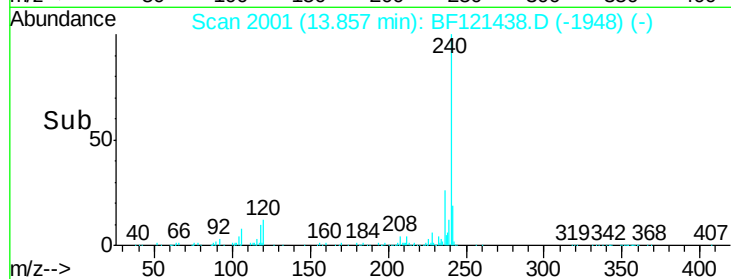
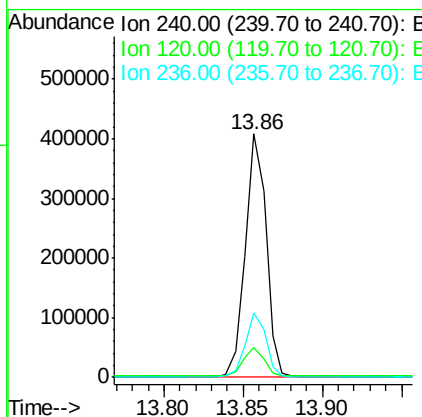
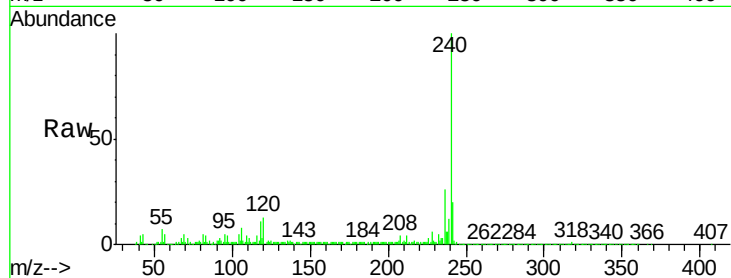




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

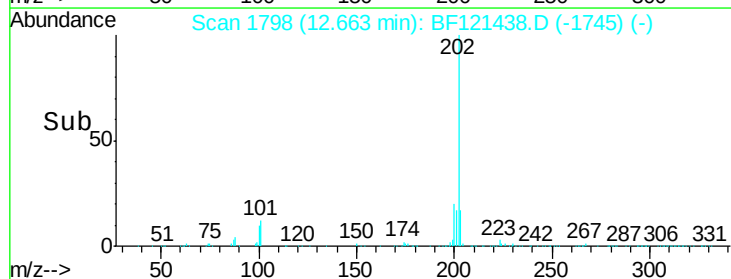
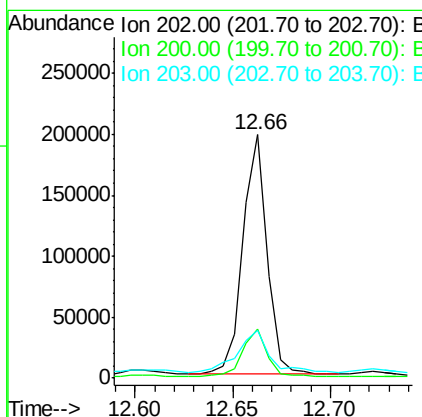
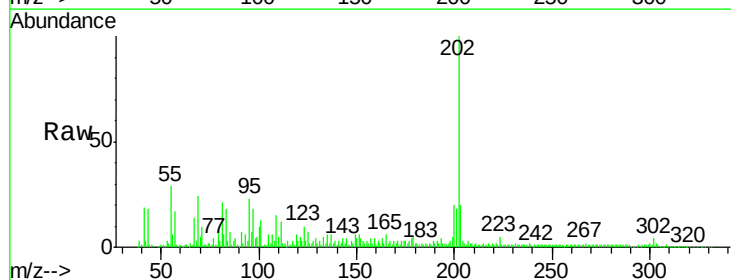
Instrument :
BNA_F
ClientSampleId :
619-047

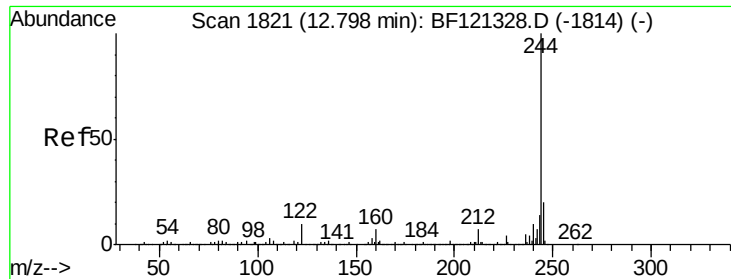
Tot Ion:240 Resp: 368657
Ion Ratio Lower Upper
240 100
120 12.5 9.6 14.4
236 26.4 20.6 31.0



#78
Pyrene
Concen: 6.101 ng
RT: 12.66 min Scan# 1798
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion:202 Resp: 168962
Ion Ratio Lower Upper
202 100
200 20.2 16.6 24.8
203 19.8 14.2 21.2

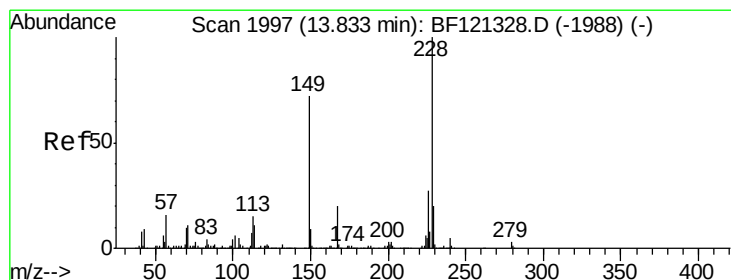
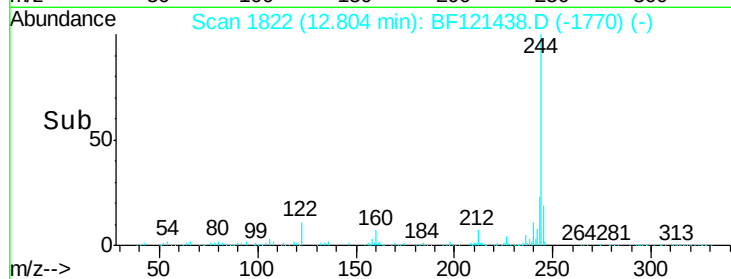
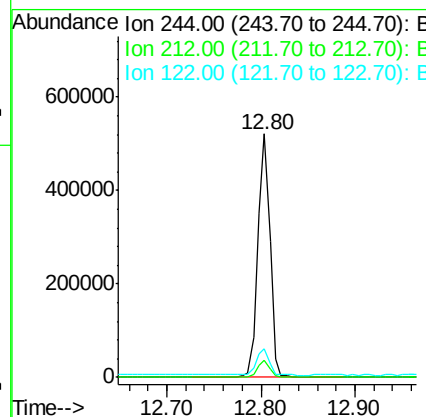
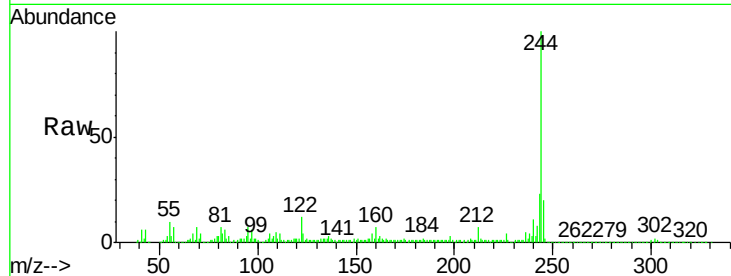




#79
 Terphenyl-d14
 Concen: 24.429 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: BF121438.D
 Acq: 25 Aug 2020 20:45

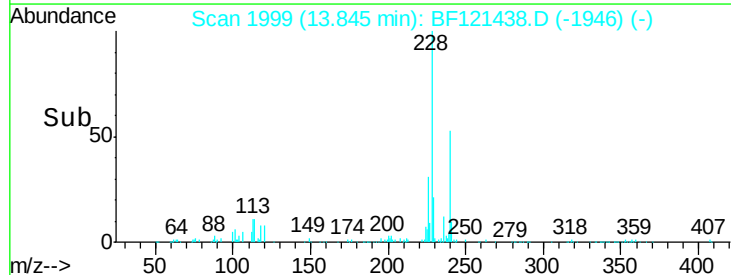
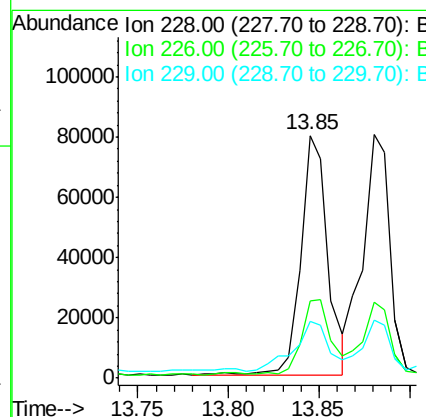
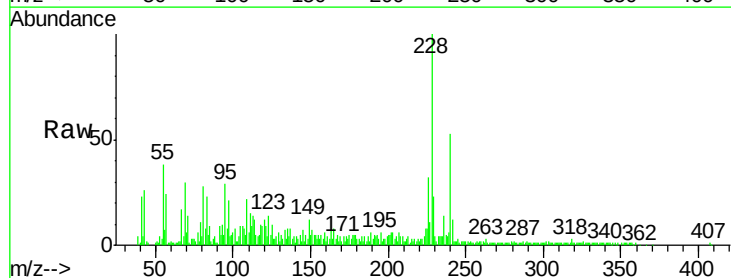
Instrument :
 BNA_F
 ClientSampleId :
 619-047

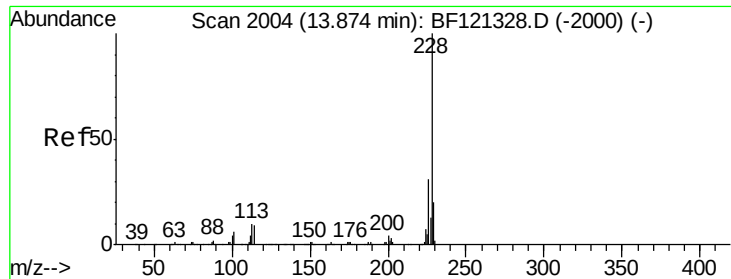
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.8	7.8	11.8#



#81
 Benzo(a)anthracene
 Concen: 3.615 ng
 RT: 13.85 min Scan# 1999
 Delta R.T. 0.01 min
 Lab File: BF121438.D
 Acq: 25 Aug 2020 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.8	32.6
229	23.5	15.8	23.8

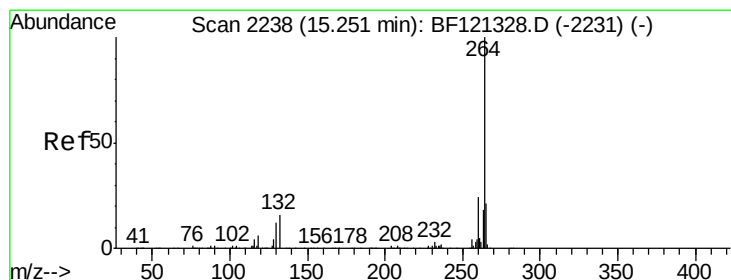
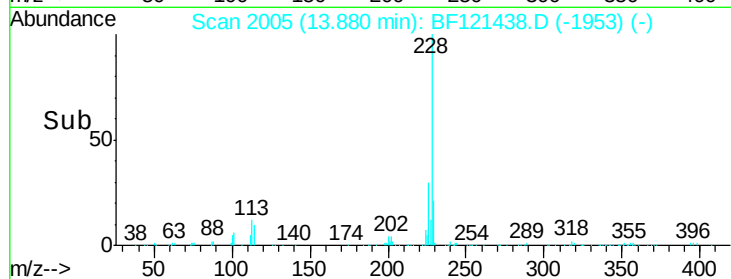
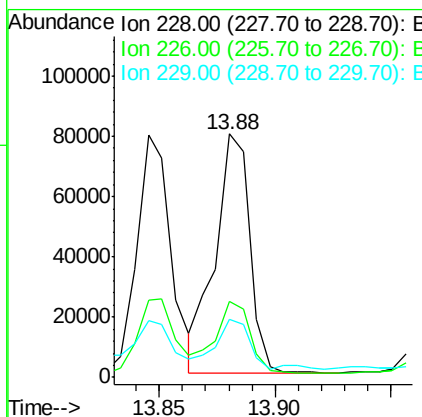
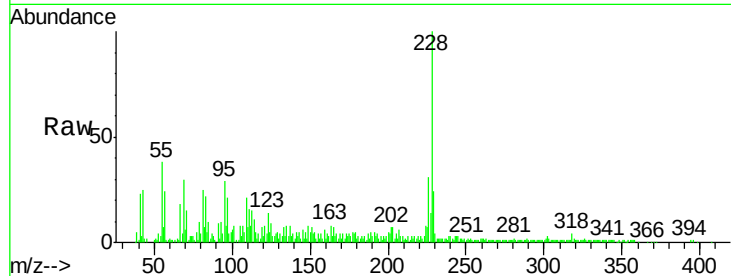




#83
Chrysene
Concen: 3.559 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

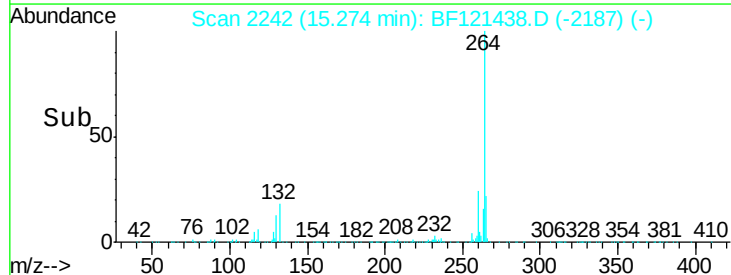
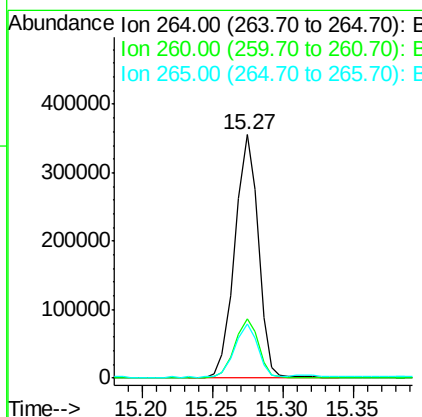
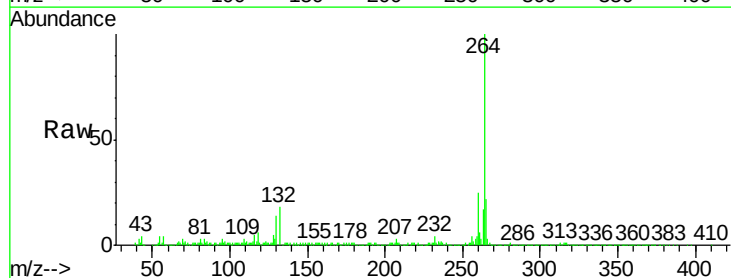
Instrument :
BNA_F
ClientSampled :
619-047

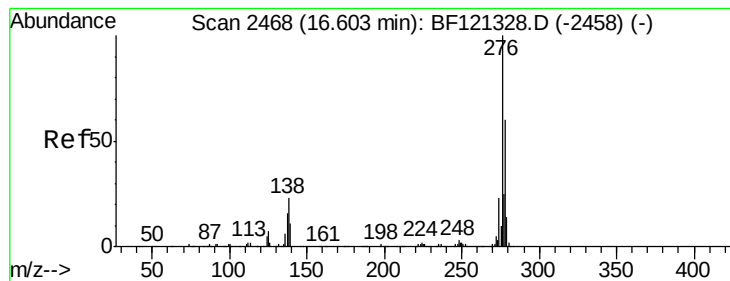
Tot Ion:228	Resp:	83358
Ion Ratio	Lower	Upper
228	100	
226	31.1	24.6 36.8
229	23.7	15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.02 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion:264	Resp:	410045
Ion Ratio	Lower	Upper
264	100	
260	24.6	19.5 29.3
265	22.3	17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.306 ng

RT: 16.64 min Scan# 2474

Delta R.T. 0.04 min

Lab File: BF121438.D

Acq: 25 Aug 2020 20:45

Instrument :

BNA_F

ClientSampleId :

619-047

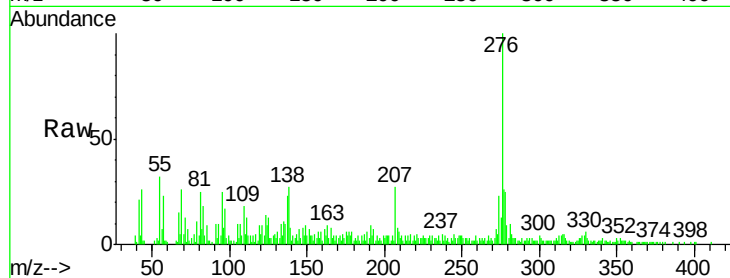
Tot Ion:276 Resp: 57729

Ion Ratio Lower Upper

276 100

138 22.3 19.4 29.0

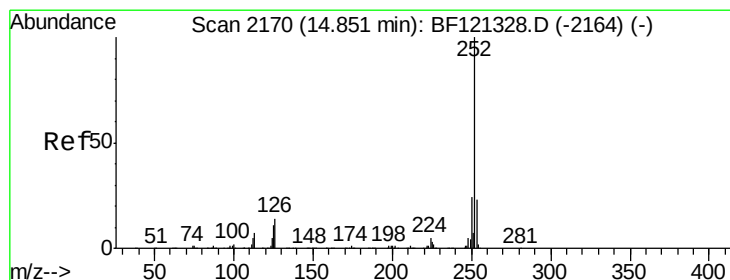
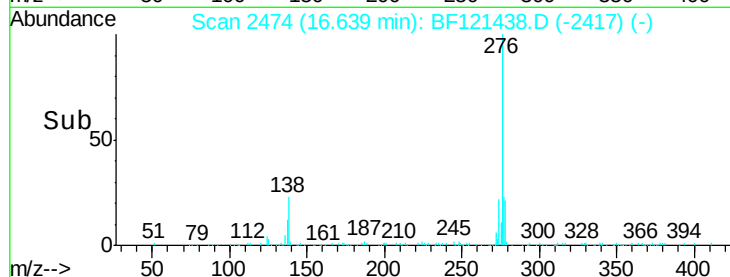
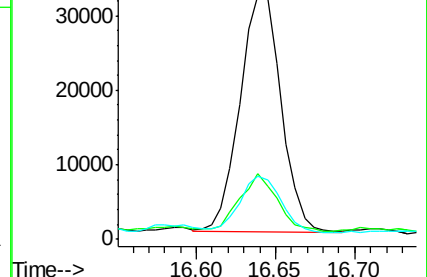
277 23.8 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88

Benzo(b)fluoranthene

Concen: 5.876 ng

RT: 14.87 min Scan# 2173

Delta R.T. 0.02 min

Lab File: BF121438.D

Acq: 25 Aug 2020 20:45

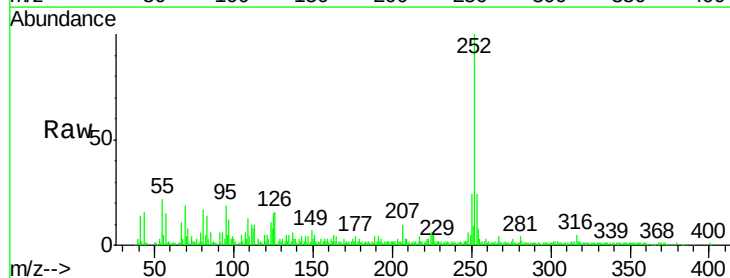
Tgt Ion:252 Resp: 155655

Ion Ratio Lower Upper

252 100

253 24.0 18.0 27.0

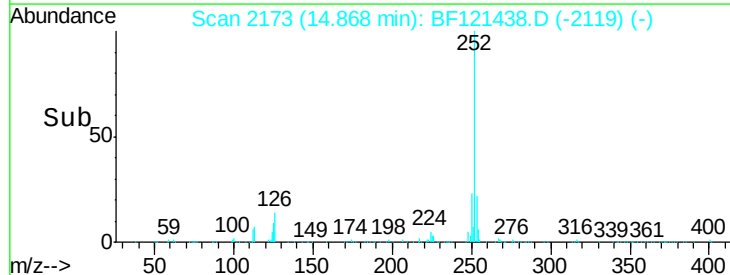
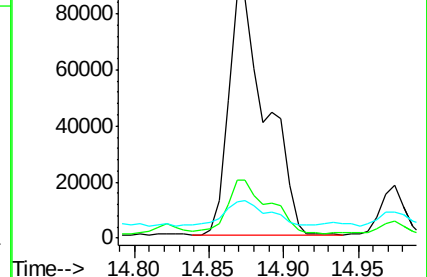
125 14.8 8.6 12.8#

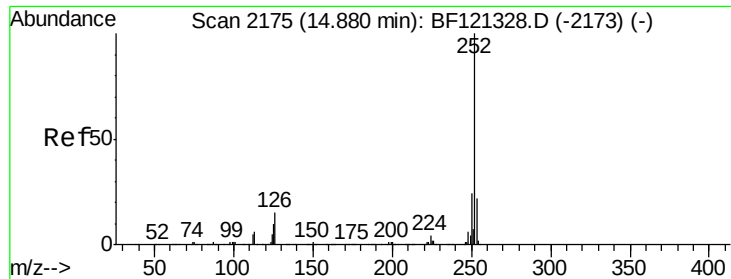


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

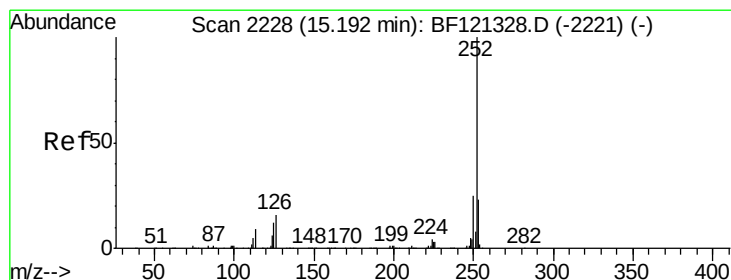
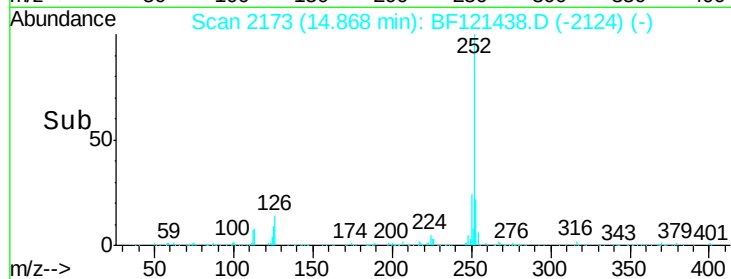
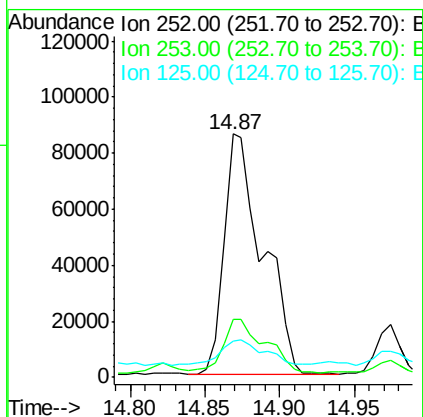
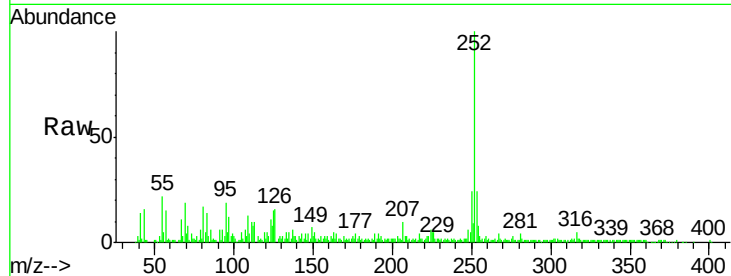




#89
Benzo(k)fluoranthene
Concen: 6.675 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

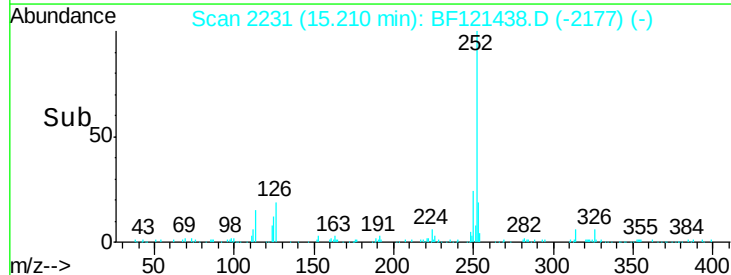
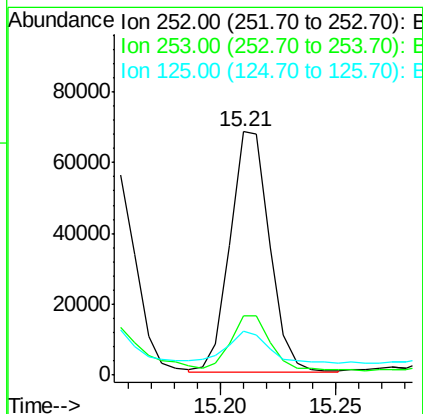
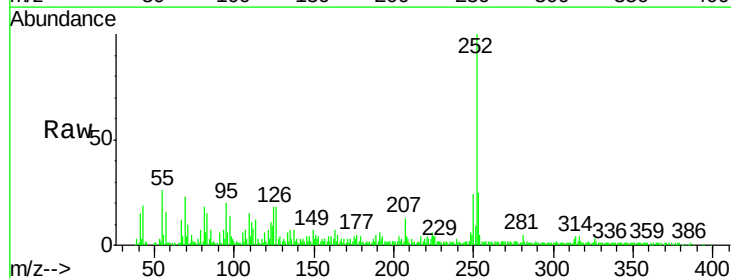
Instrument :
BNA_F
ClientSampleId :
619-047

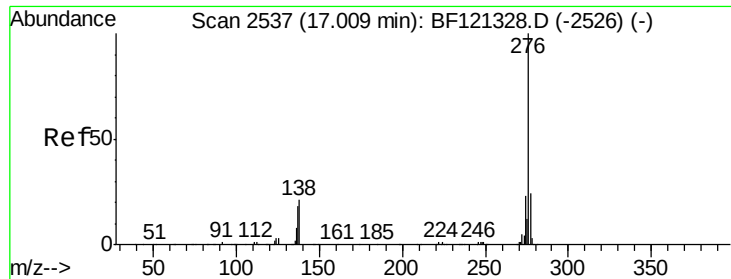
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	14.8	8.6	12.8



#90
Benzo(a)pyrene
Concen: 3.523 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF121438.D
Acq: 25 Aug 2020 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.0	27.0
125	17.8	9.4	14.0





#92
 Benzo(a,h,i)perylene
 Concen: 2.891 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.05 min
 Lab File: BF121438.D
 Acq: 25 Aug 2020 20:45

Instrument :
 BNA_F
 ClientSampleId :
 619-047

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.3	28.9
138	25.3	16.8	25.2

