

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012822\
 Data File : BF126738.D
 Acq On : 29 Jan 2022 01:09
 Operator : CG/JU
 Sample : N1312-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-012722

Quant Time: Jan 29 02:32:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 27 03:09:40 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

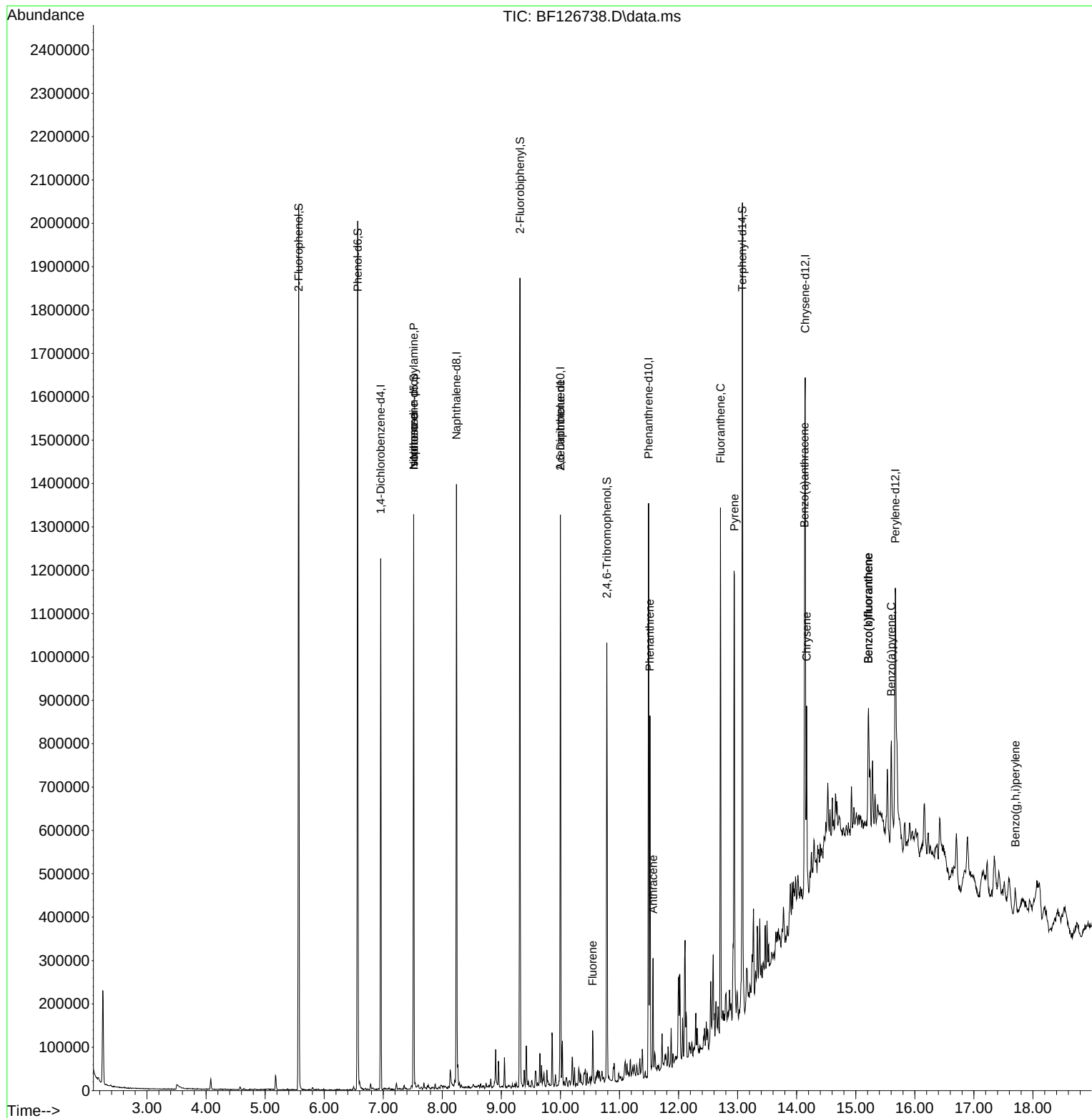
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	148625	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	506503	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	237351	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	407308	20.000	ng	0.00
76) Chrysene-d12	14.145	240	360343	20.000	ng	# 0.00
86) Perylene-d12	15.668	264	262030	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	498576	44.143	ng	0.00
7) Phenol-d6	6.569	99	634801	40.453	ng	0.00
23) Nitrobenzene-d5	7.516	82	408550	31.572	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	92860	41.806	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	505709	32.631	ng	0.00
79) Terphenyl-d14	13.080	244	550248	25.612	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	187	Below Cal	#	65
19) n-Nitroso-di-n-propyla...	7.516	70	53219	4.647	ng	# 68
25) Isophorone	7.516	82	405335	16.152	ng	# 69
51) 2,6-Dinitrotoluene	9.998	165	30496	10.484	ng	# 22
58) Fluorene	10.545	166	33155	2.169	ng	95
71) Phenanthrene	11.516	178	252232	10.839	ng	99
72) Anthracene	11.568	178	87379	3.743	ng	98
75) Fluoranthene	12.710	202	395680	17.215	ng	99
78) Pyrene	12.945	202	408226	14.009	ng	99
81) Benzo(a)anthracene	14.133	228	183318	7.485	ng	93
83) Chrysene	14.168	228	155629	6.604	ng	96
88) Benzo(b)fluoranthene	15.215	252	198418	11.419	ng	96
89) Benzo(k)fluoranthene	15.215	252	198418	11.630	ng	94
90) Benzo(a)pyrene	15.604	252	114022	8.065	ng	96
92) Benzo(g,h,i)perylene	17.703	276	56585	4.303	ng	# 89

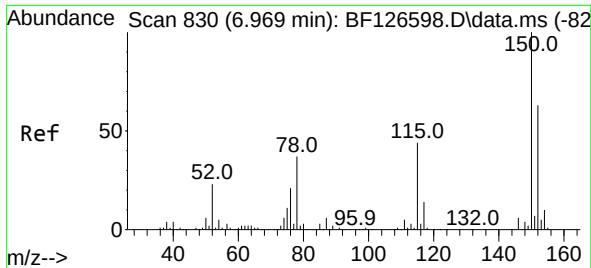
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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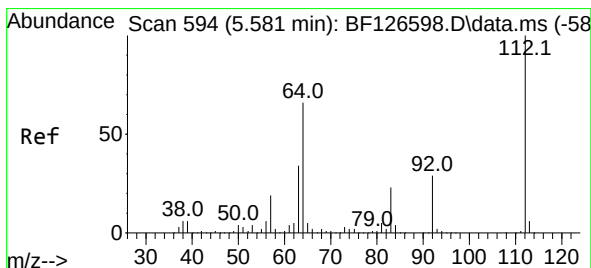
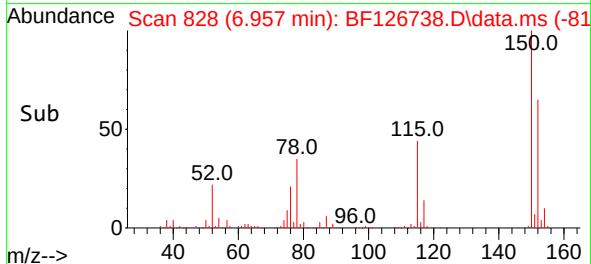
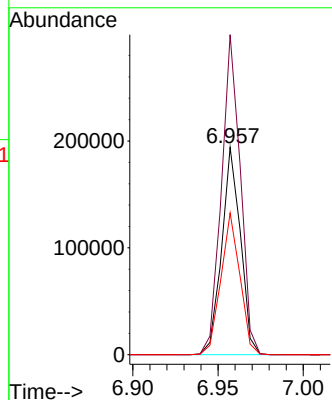
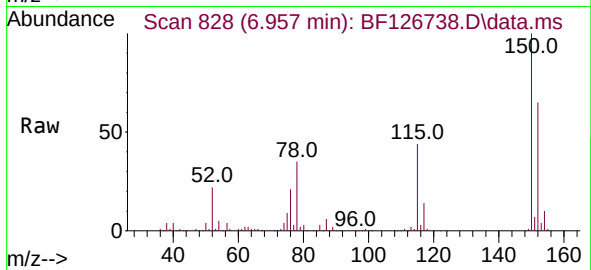




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

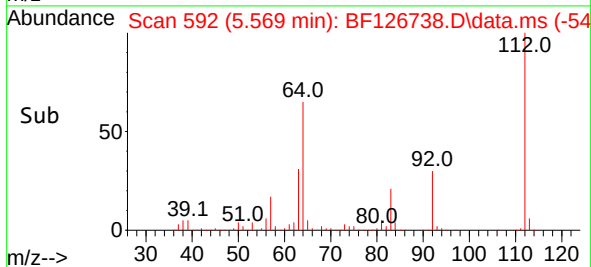
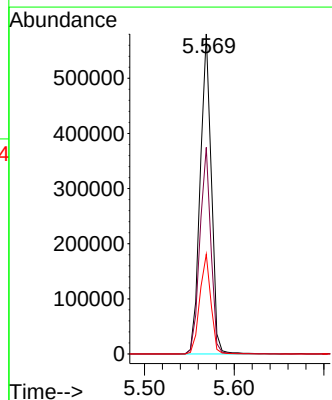
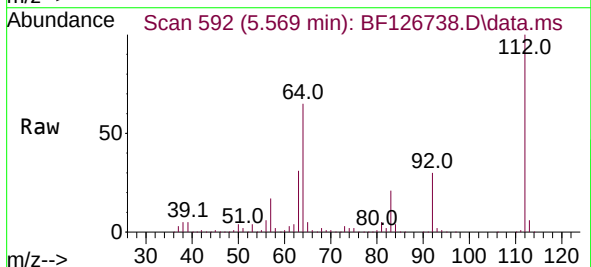
Instrument :
BNA_F
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OR-03-012722

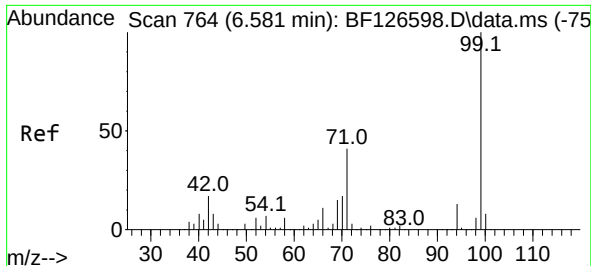
Tgt Ion:152 Resp: 148625
Ion Ratio Lower Upper
152 100
150 154.4 128.1 192.1
115 68.4 56.7 85.1



#5
2-Fluorophenol
Concen: 44.143 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion:112 Resp: 498576
Ion Ratio Lower Upper
112 100
64 64.5 49.5 74.3
63 31.2 23.9 35.9

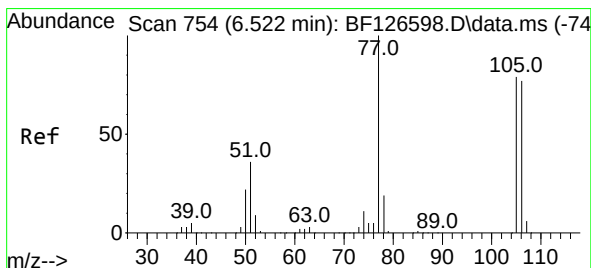
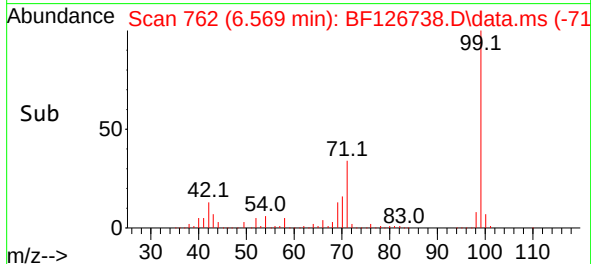
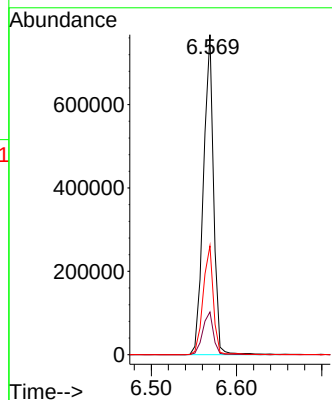
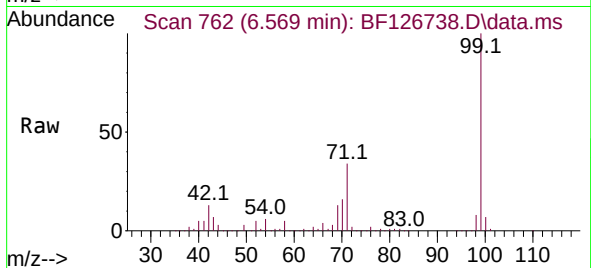




#7
Phenol-d6
Concen: 40.453 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

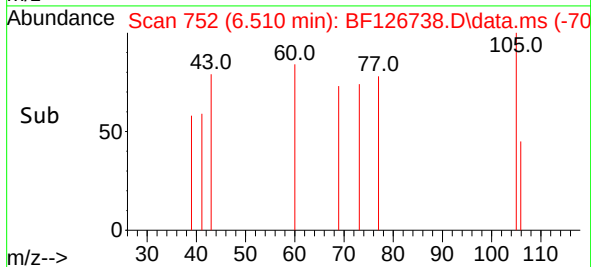
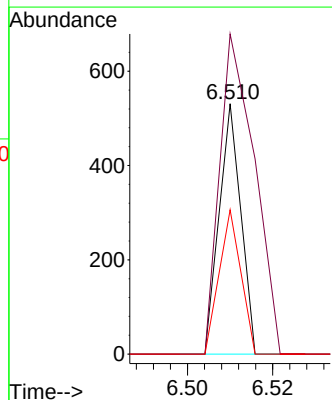
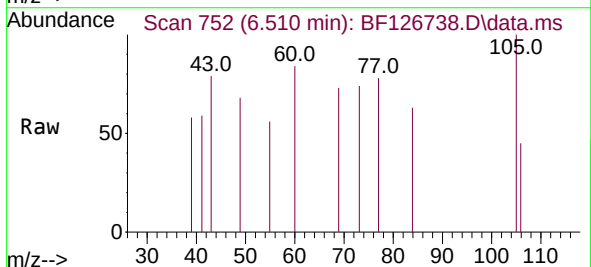
Instrument :
BNA_F
ClientSampleId :
OR-03-012722

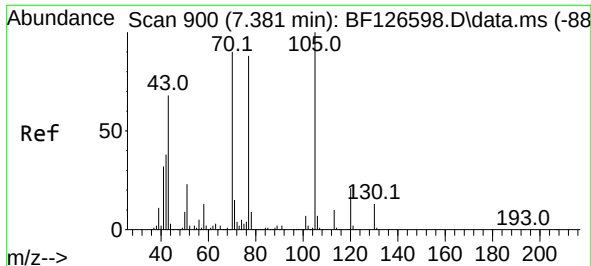
Tgt Ion: 99 Resp: 634801
Ion Ratio Lower Upper
99 100
42 13.3 14.2 21.4#
71 34.0 24.3 36.5



#9
Benzaldehyde
Concen: Below Cal
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion: 77 Resp: 187
Ion Ratio Lower Upper
77 100
105 127.9 74.9 114.9#
106 57.6 72.4 112.4#

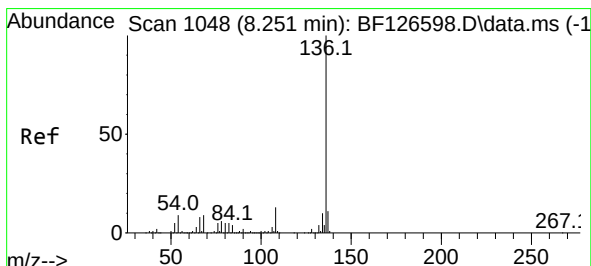
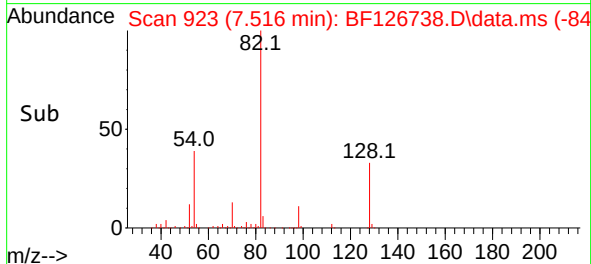
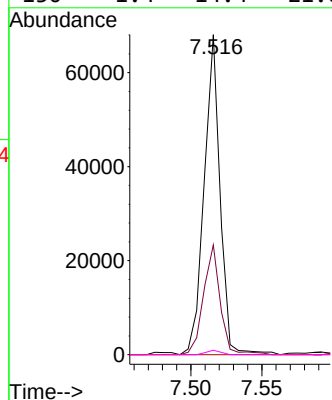
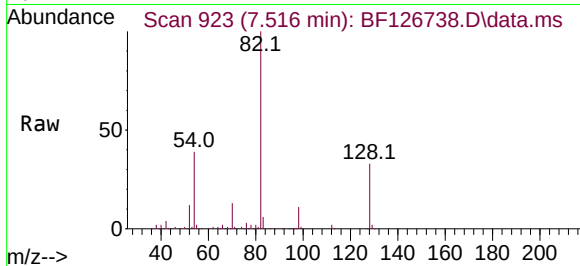




#19
n-Nitroso-di-n-propylamine
Concen: 4.647 ng
RT: 7.516 min Scan# 91
Delta R.T. 0.147 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

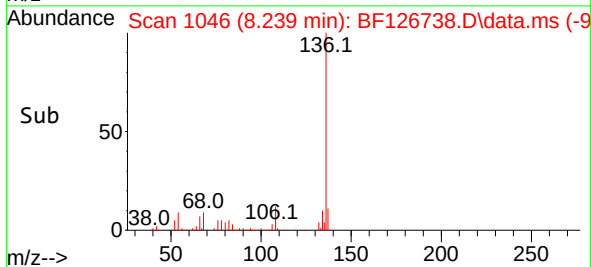
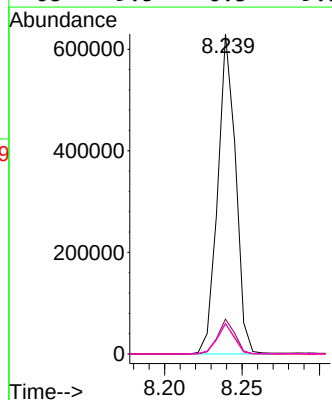
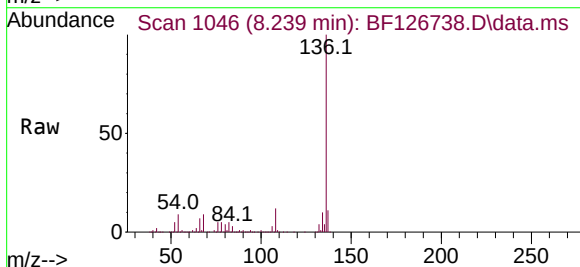
Instrument :
BNA_F
ClientSampleId :
OR-03-012722

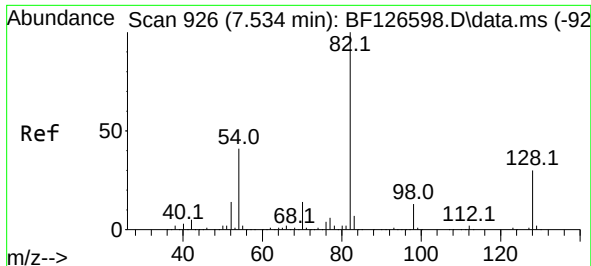
Tgt Ion: 70 Resp: 53219
Ion Ratio Lower Upper
70 100
42 34.3 45.8 68.8#
101 0.0 6.9 10.3#
130 1.4 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion: 136 Resp: 506503
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 7.8 11.6
68 9.5 6.3 9.5

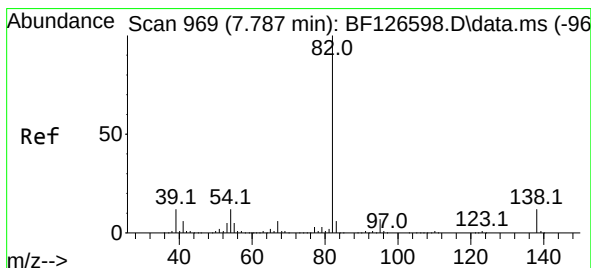
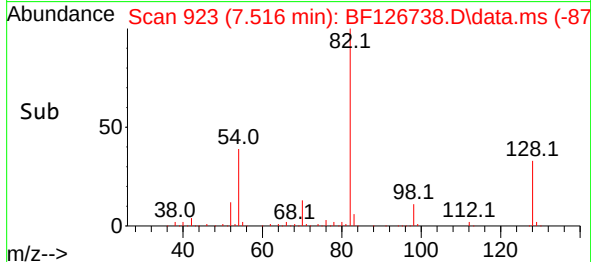
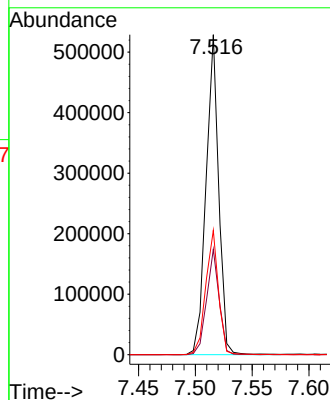
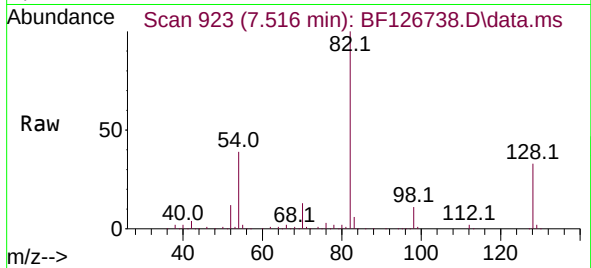




#23
Nitrobenzene-d5
Concen: 31.572 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

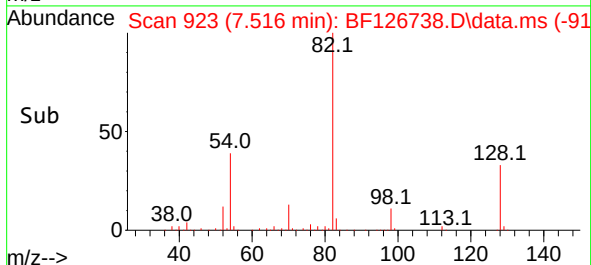
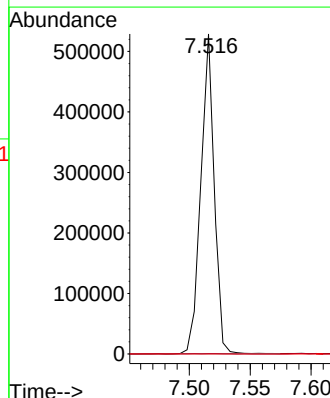
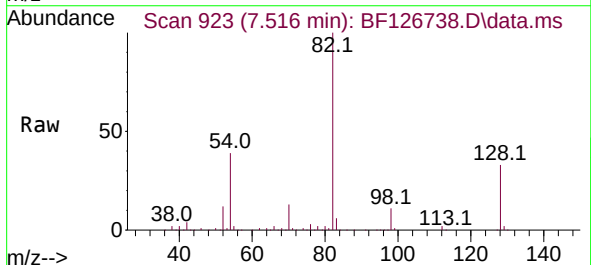
Instrument :
BNA_F
ClientSampleId :
OR-03-012722

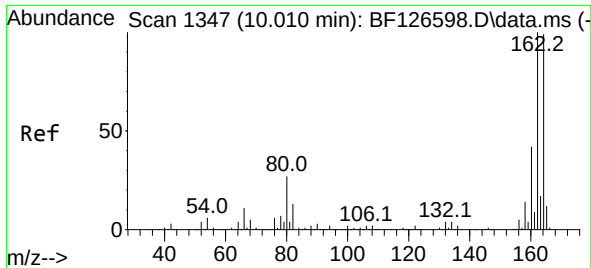
Tgt Ion: 82 Resp: 408550
Ion Ratio Lower Upper
82 100
128 33.0 32.7 49.1
54 38.9 41.7 62.5#



#25
Isophorone
Concen: 16.152 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.265 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion: 82 Resp: 405335
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#

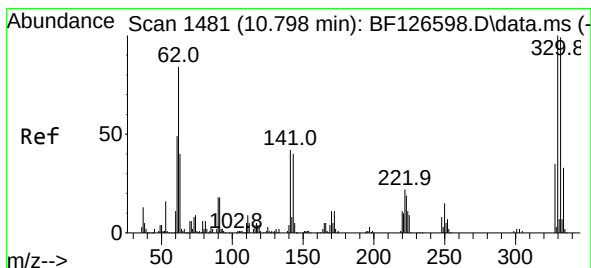
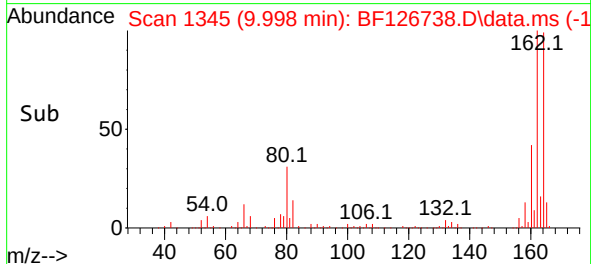
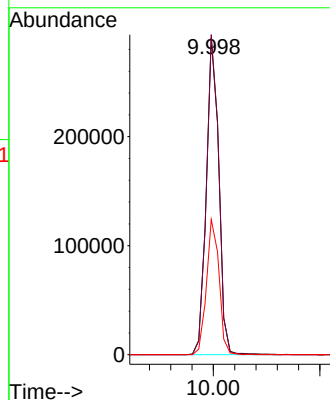
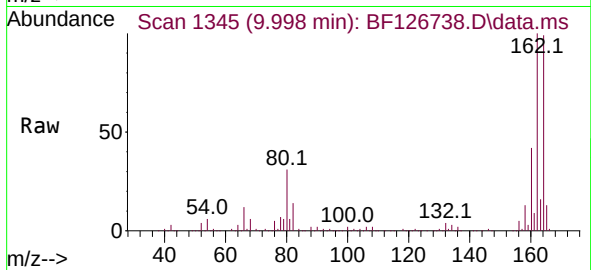




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

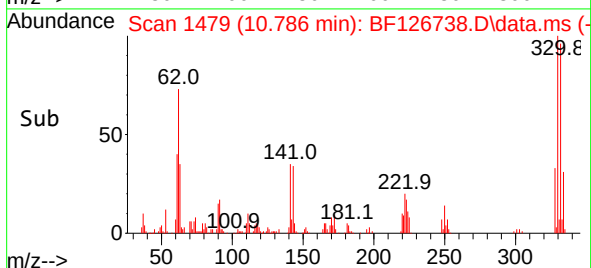
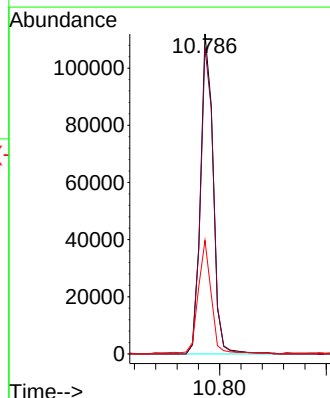
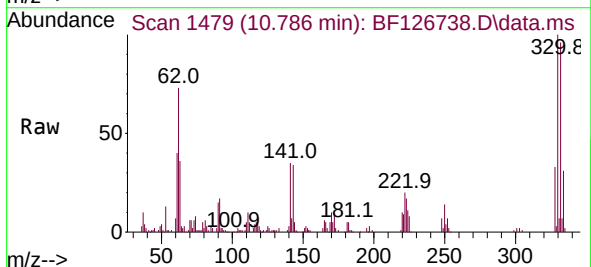
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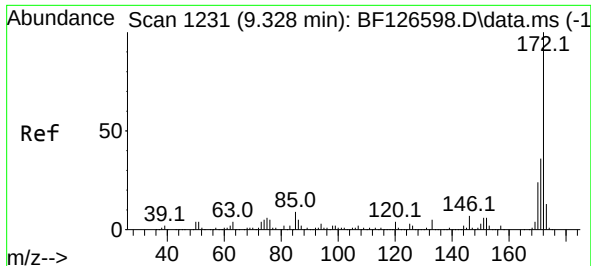
Tgt Ion:164 Resp: 237351
Ion Ratio Lower Upper
164 100
162 101.0 81.4 122.0
160 42.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 41.806 ng
RT: 10.786 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion:330 Resp: 92860
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 37.5 30.1 45.1

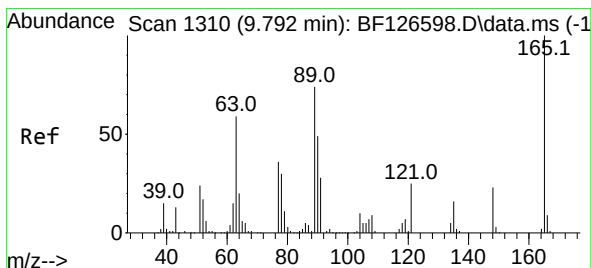
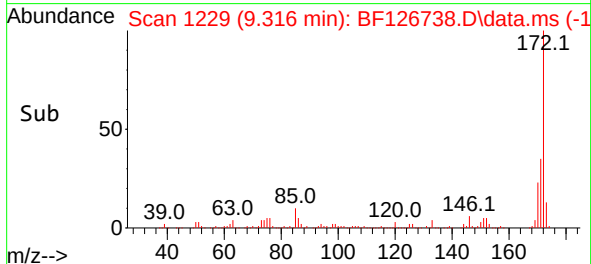
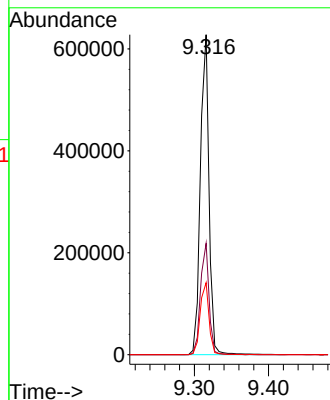
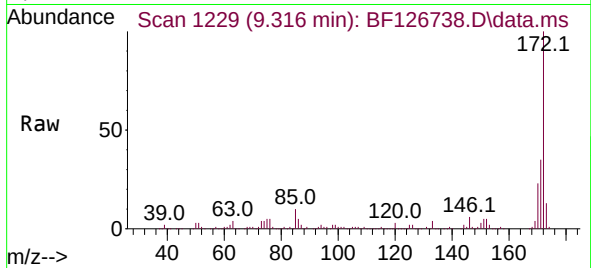




#45
2-Fluorobiphenyl
Concen: 32.631 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

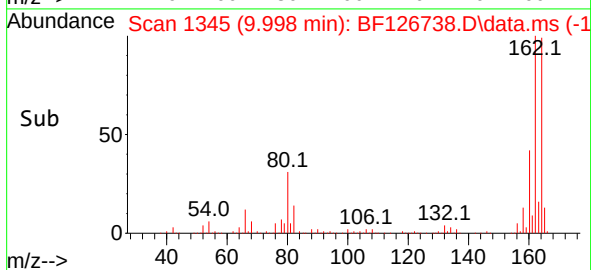
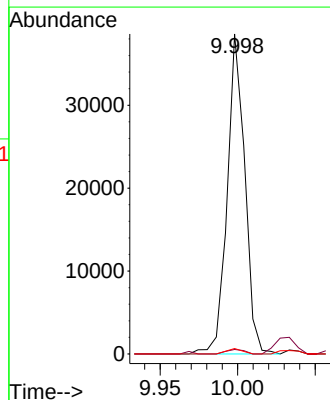
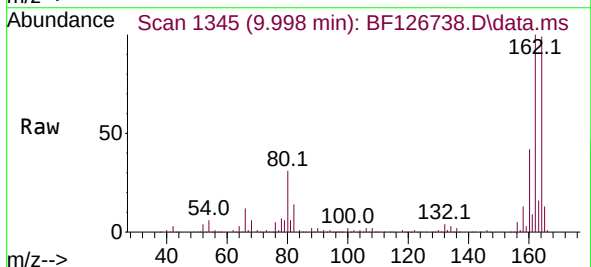
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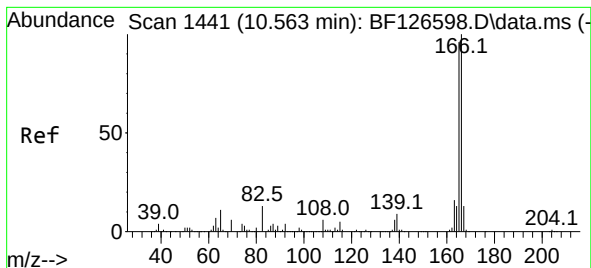
Tgt Ion:172 Resp: 505709
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 22.5 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 10.484 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.218 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion:165 Resp: 30496
Ion Ratio Lower Upper
165 100
63 1.4 48.4 72.6#
89 1.7 50.5 75.7#





#58

Fluorene

Concen: 2.169 ng

RT: 10.545 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

Instrument :

BNA_F

ClientSampleId :

OR-03-012722

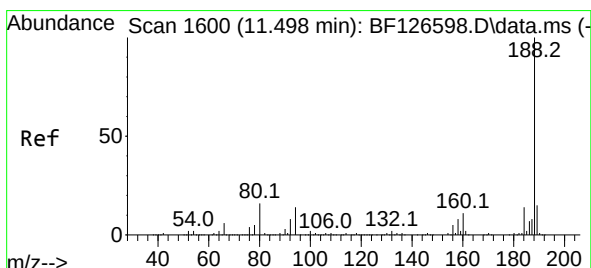
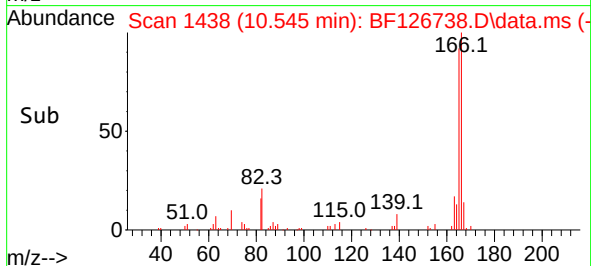
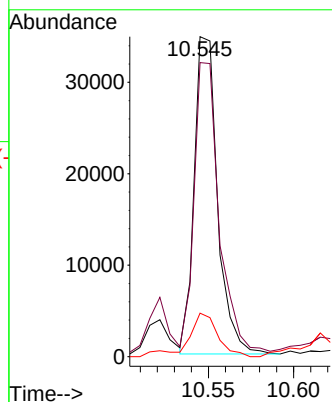
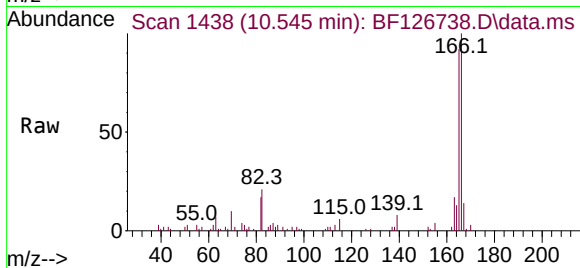
Tgt Ion:166 Resp: 33155

Ion Ratio Lower Upper

166 100

165 91.9 77.7 116.5

167 13.6 10.7 16.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1599

Delta R.T. -0.000 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

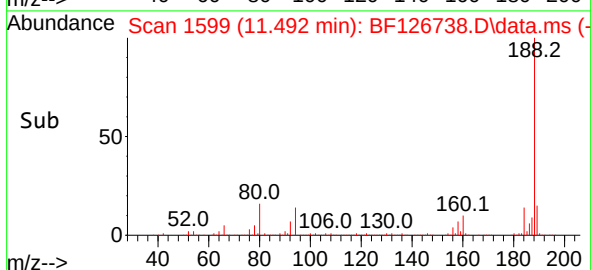
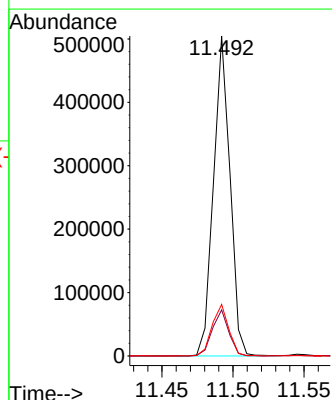
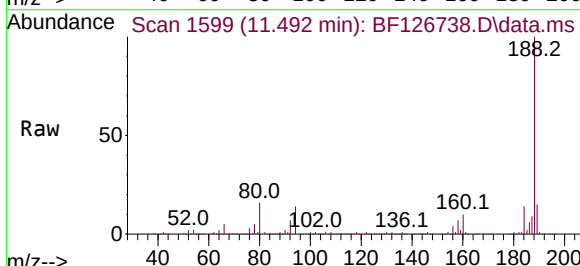
Tgt Ion:188 Resp: 407308

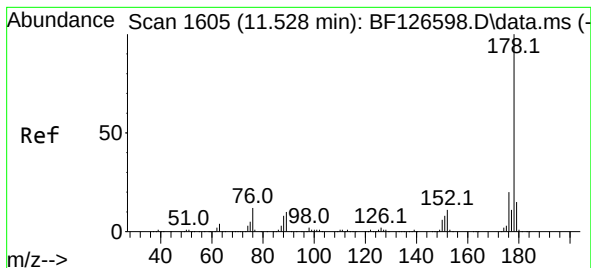
Ion Ratio Lower Upper

188 100

94 14.4 10.1 15.1

80 16.1 11.8 17.6





#71

Phenanthrene

Concen: 10.839 ng

RT: 11.516 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

Instrument :

BNA_F

ClientSampleId :

OR-03-012722

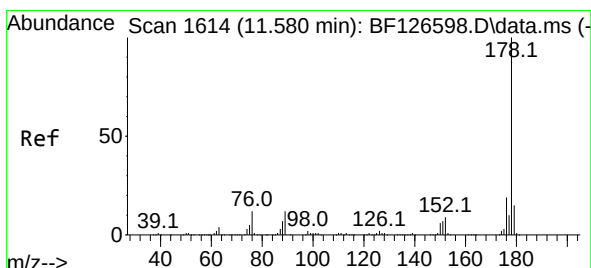
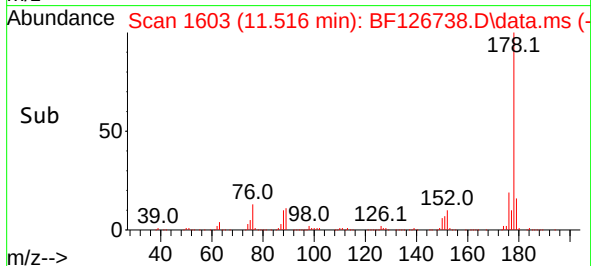
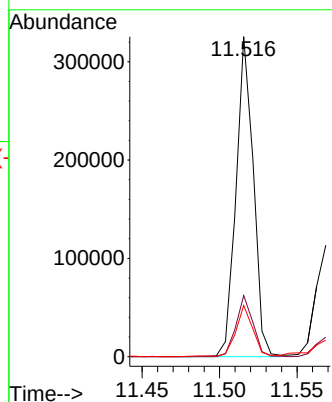
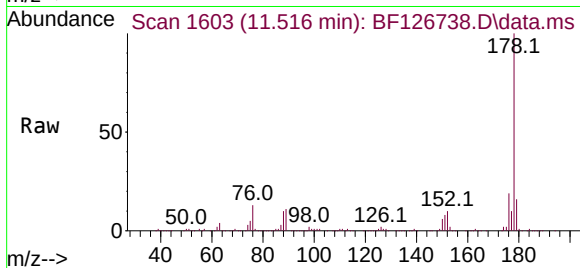
Tgt Ion:178 Resp: 252232

Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

179 16.0 12.3 18.5



#72

Anthracene

Concen: 3.743 ng

RT: 11.568 min Scan# 1612

Delta R.T. -0.000 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

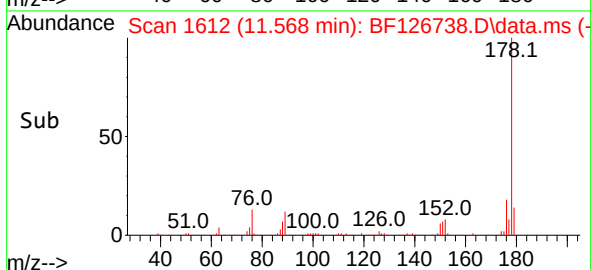
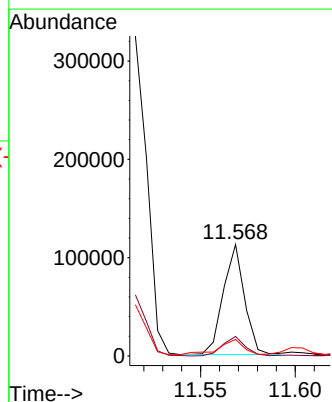
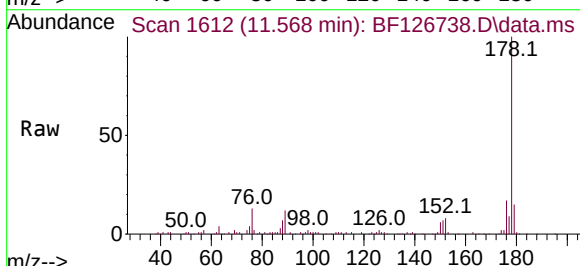
Tgt Ion:178 Resp: 87379

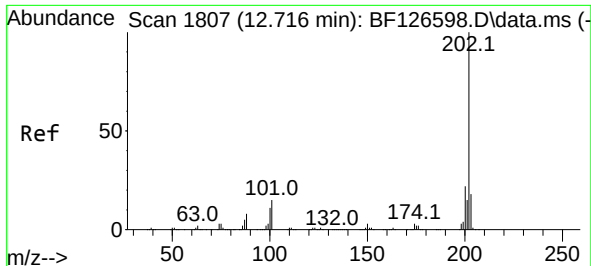
Ion Ratio Lower Upper

178 100

176 17.5 15.0 22.6

179 14.8 12.5 18.7

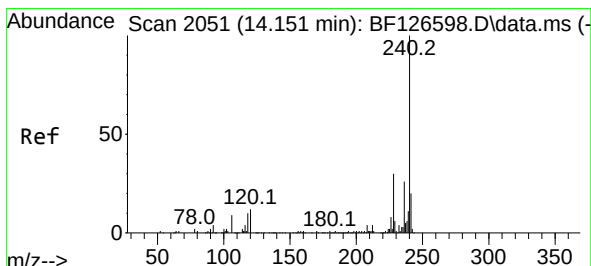
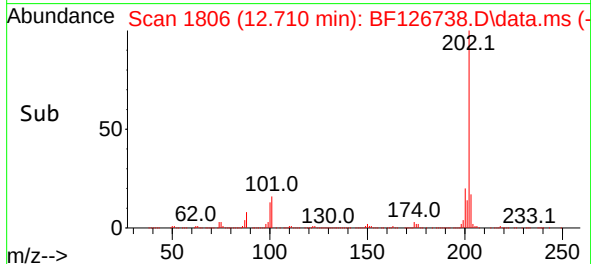
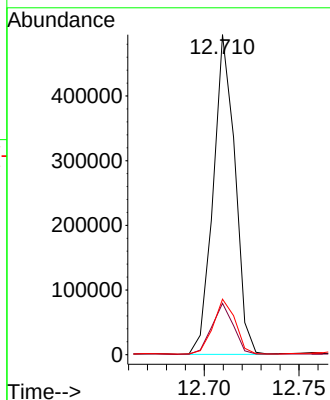
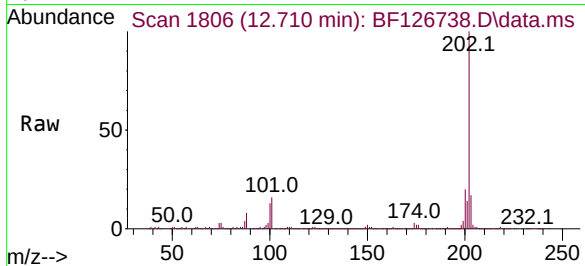




#75
Fluoranthene
Concen: 17.215 ng
RT: 12.710 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

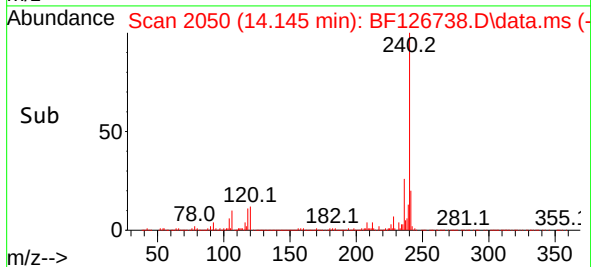
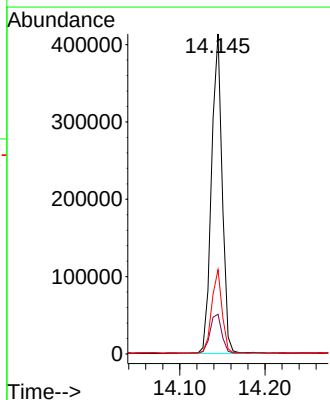
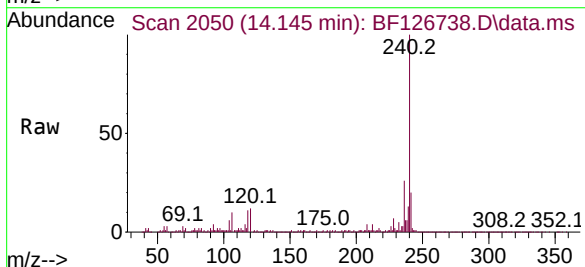
Instrument :
BNA_F
ClientSampleId :
OR-03-012722

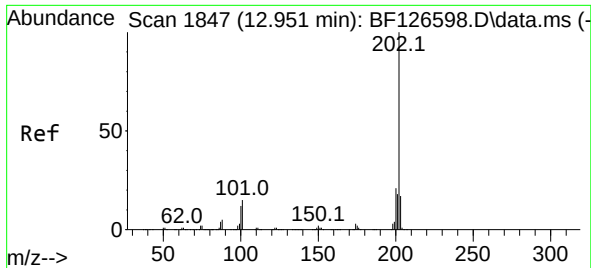
Tgt Ion:202 Resp: 395680
Ion Ratio Lower Upper
202 100
101 16.0 0.0 35.7
203 17.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion:240 Resp: 360343
Ion Ratio Lower Upper
240 100
120 12.4 14.4 21.6#
236 26.3 20.5 30.7

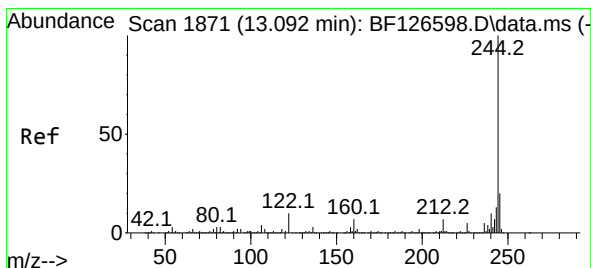
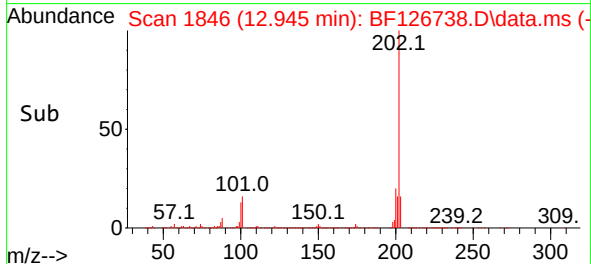
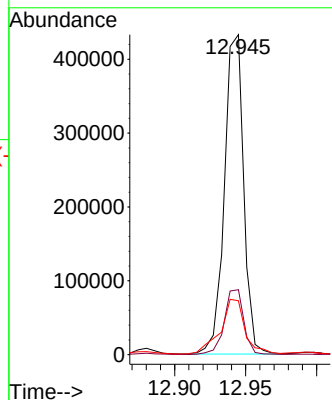
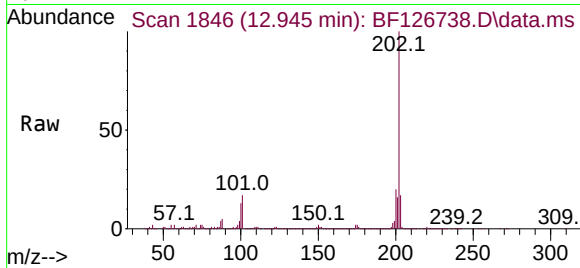




#78
Pyrene
Concen: 14.009 ng
RT: 12.945 min Scan# 1846
Delta R.T. 0.006 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

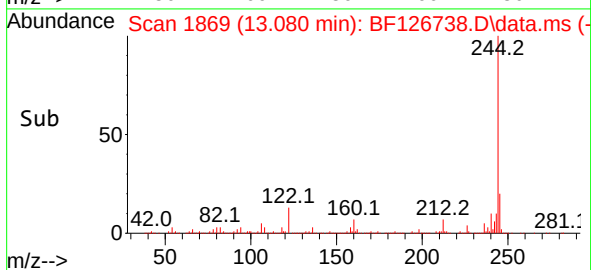
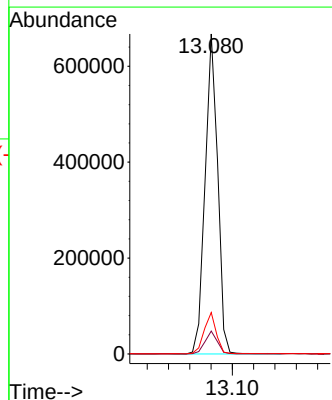
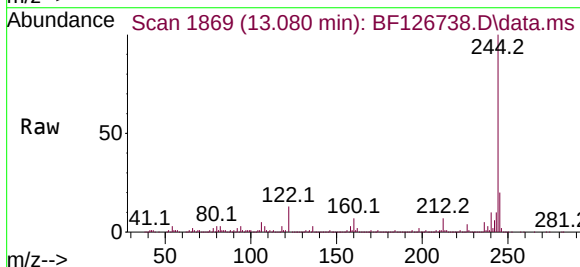
Instrument :
BNA_F
ClientSampleId :
OR-03-012722

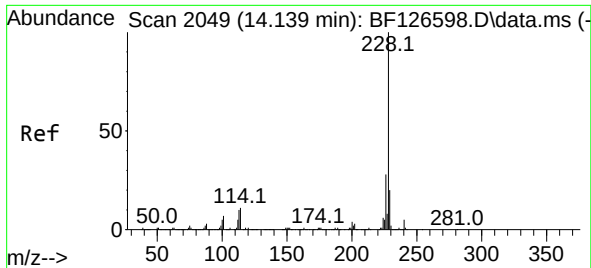
Tgt Ion:202 Resp: 408226
Ion Ratio Lower Upper
202 100
200 20.3 16.6 24.8
203 16.8 13.8 20.8



#79
Terphenyl-d14
Concen: 25.612 ng
RT: 13.080 min Scan# 1869
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion:244 Resp: 550248
Ion Ratio Lower Upper
244 100
212 7.1 5.0 7.4
122 13.0 13.3 19.9#

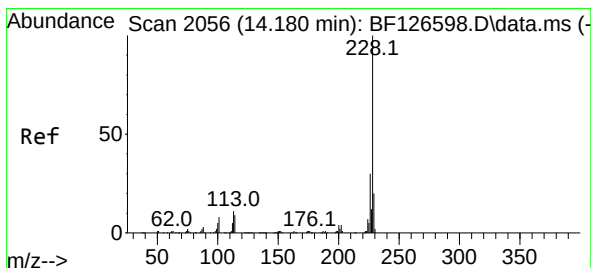
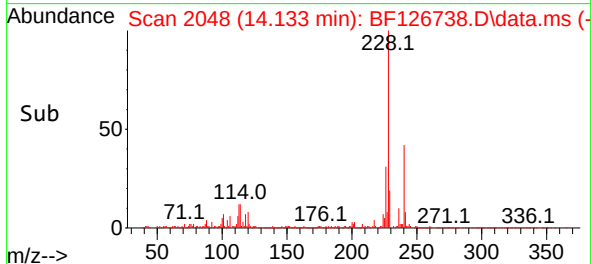
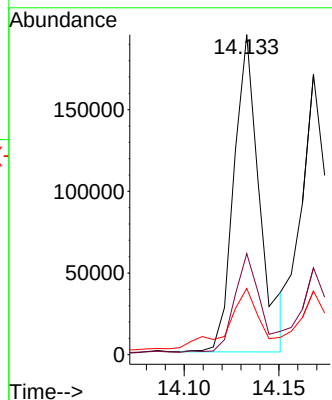
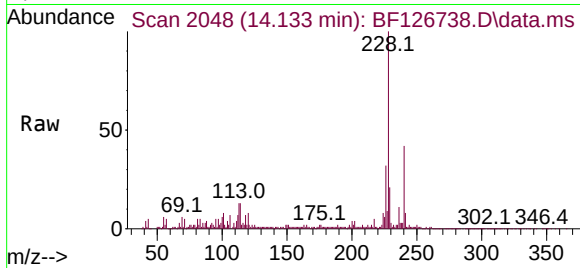




#81
Benzo(a)anthracene
Concen: 7.485 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

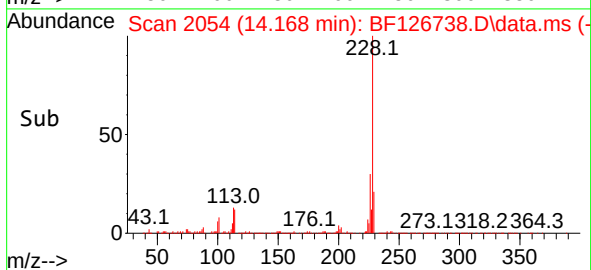
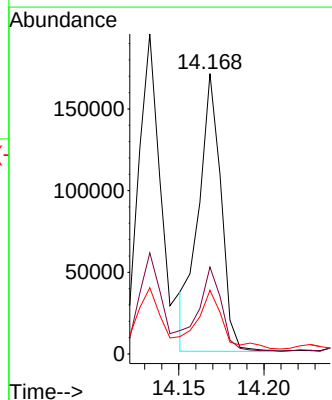
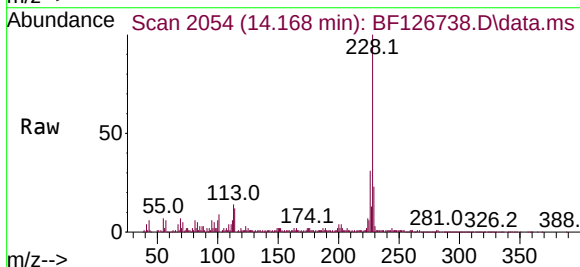
Instrument :
BNA_F
ClientSampleId :
OR-03-012722

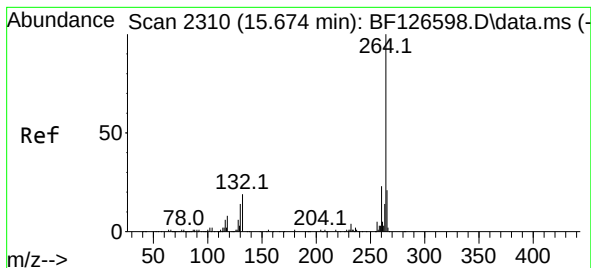
Tgt Ion:228 Resp: 183318
Ion Ratio Lower Upper
228 100
226 31.6 21.4 32.0
229 20.7 15.4 23.2



#83
Chrysene
Concen: 6.604 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.000 min
Lab File: BF126738.D
Acq: 29 Jan 2022 01:09

Tgt Ion:228 Resp: 155629
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 22.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

Instrument :

BNA_F

ClientSampleId :

OR-03-012722

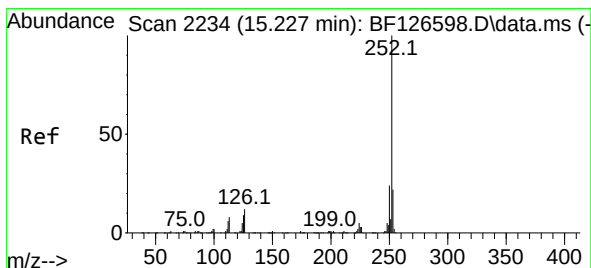
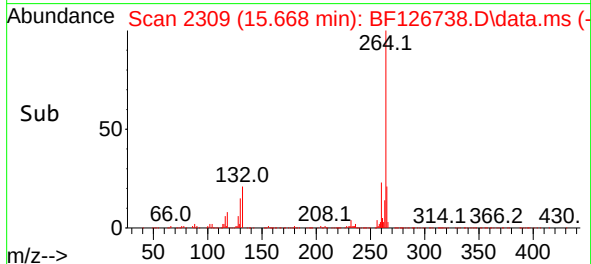
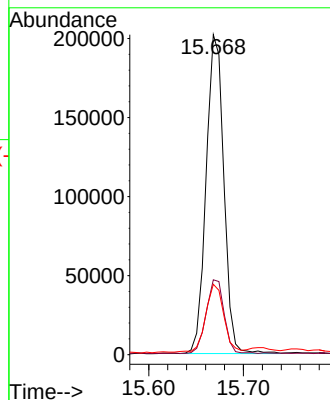
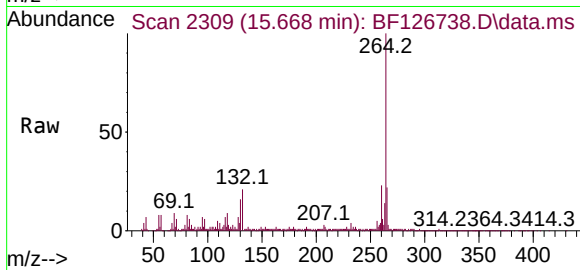
Tgt Ion:264 Resp: 262030

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 22.0 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 11.419 ng

RT: 15.215 min Scan# 2232

Delta R.T. 0.006 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

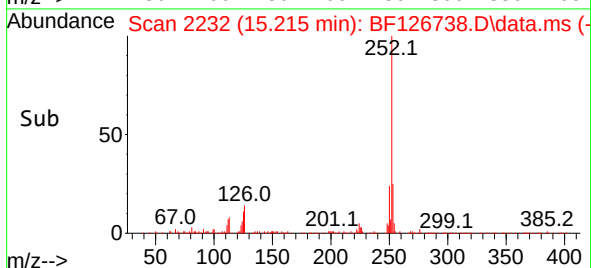
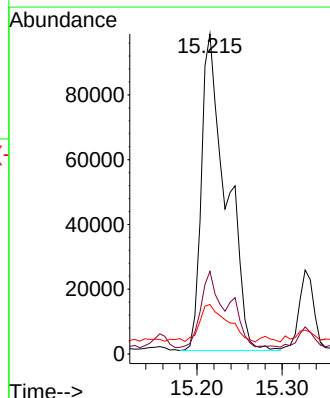
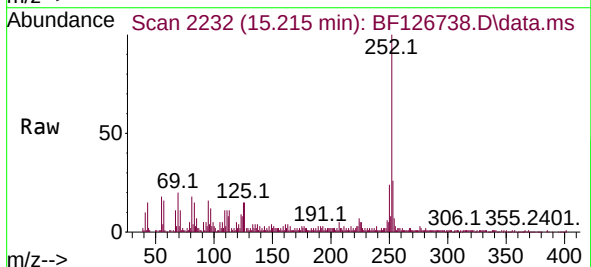
Tgt Ion:252 Resp: 198418

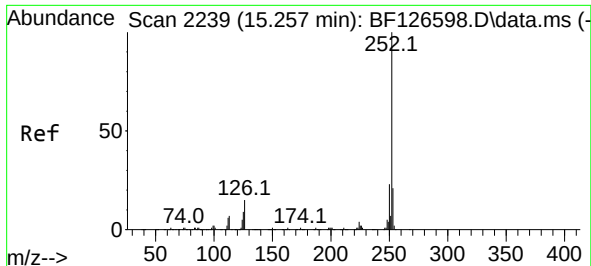
Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.8

125 15.5 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 11.630 ng

RT: 15.215 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

Instrument :

BNA_F

ClientSampleId :

OR-03-012722

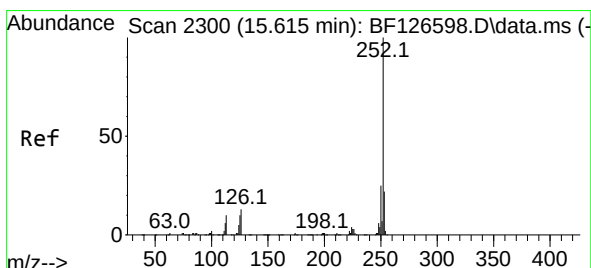
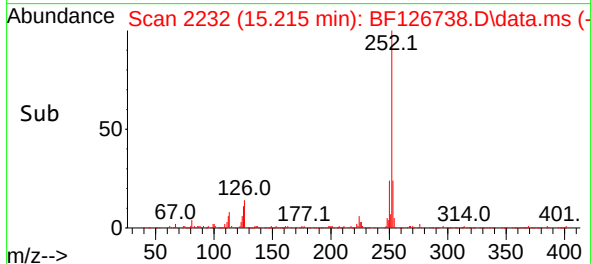
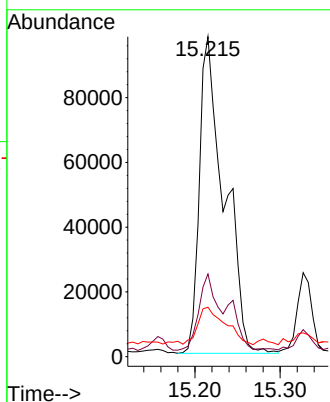
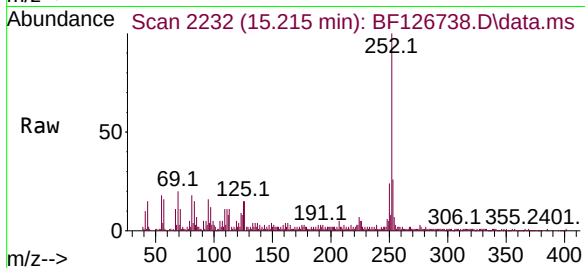
Tgt Ion:252 Resp: 198418

Ion Ratio Lower Upper

252 100

253 25.9 17.5 26.3

125 15.5 11.8 17.6



#90

Benzo(a)pyrene

Concen: 8.065 ng

RT: 15.604 min Scan# 2298

Delta R.T. 0.006 min

Lab File: BF126738.D

Acq: 29 Jan 2022 01:09

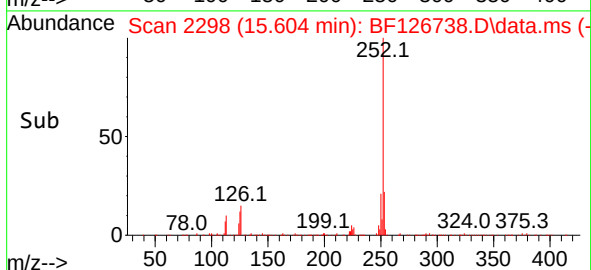
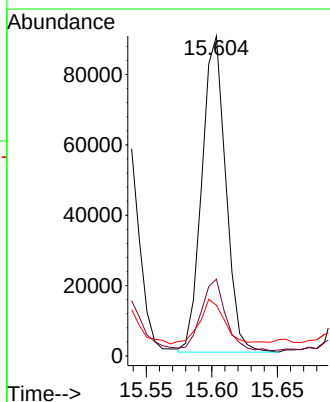
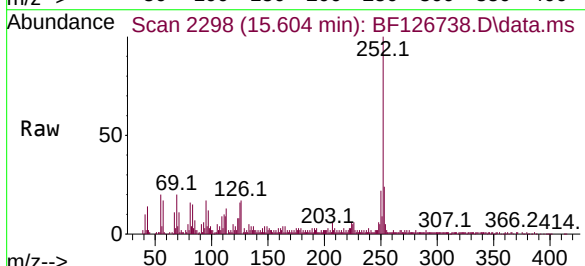
Tgt Ion:252 Resp: 114022

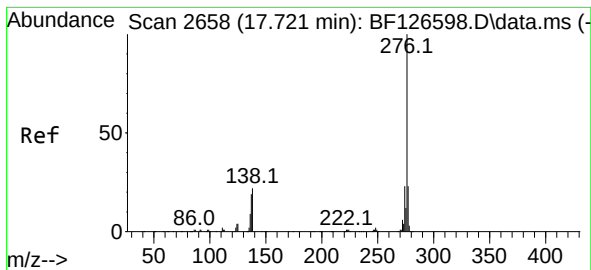
Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 15.8 13.0 19.6





#92

Benzo(g,h,i)perylene

Concen: 4.303 ng

RT: 17.703 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF126738.D

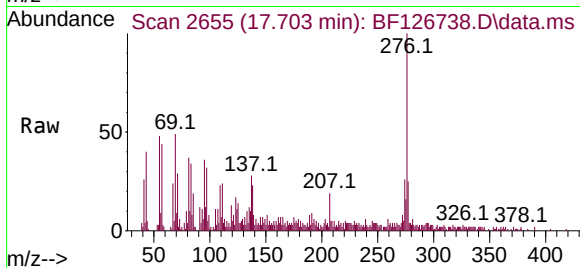
Acq: 29 Jan 2022 01:09

Instrument :

BNA_F

ClientSampleId :

OR-03-012722



Tgt Ion:276 Resp: 56585

Ion Ratio Lower Upper

276 100

277 25.2 18.5 27.7

138 23.2 25.9 38.9#

