

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
 Data File : BF127384.D
 Acq On : 17 Mar 2022 19:12
 Operator : CG\JU
 Sample : N1954-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-031522

Quant Time: Mar 18 04:40:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 16:51:53 2022
 Response via : Initial Calibration

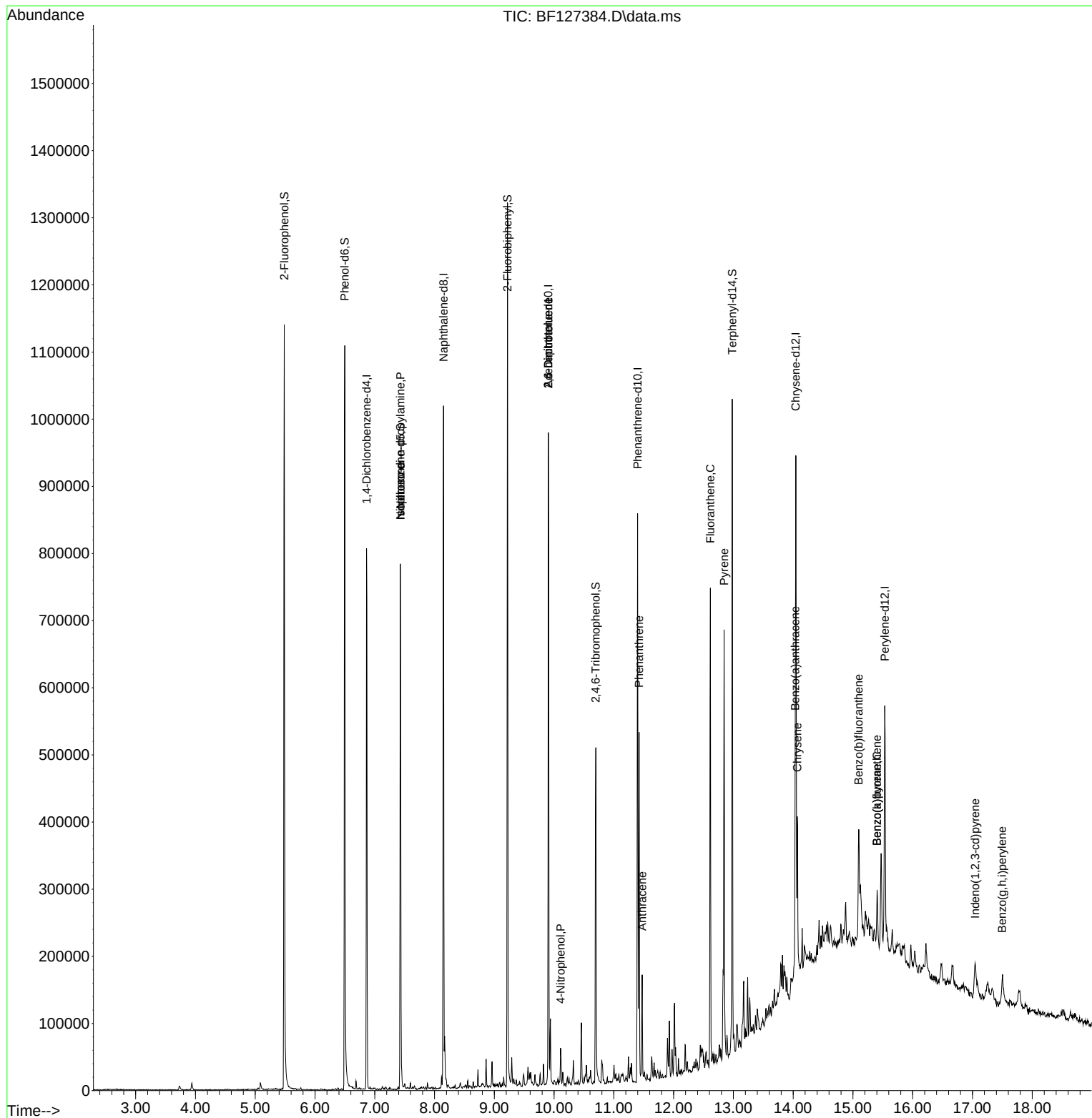
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	113033	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	395628	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	192112	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	285085	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	221963	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	155117	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	271437	38.604	ng	0.00
7) Phenol-d6	6.498	99	351295	36.318	ng	0.00
23) Nitrobenzene-d5	7.428	82	227984	23.798	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	52559	25.415	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	363854	26.777	ng	-0.01
79) Terphenyl-d14	12.980	244	306628	23.788	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.457	77	54	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.428	70	30978	5.132	ng	# 89
25) Isophorone	7.428	82	227981	14.800	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	25205	9.051	ng	# 21
56) 4-Nitrophenol	10.110	139	6427	3.485	ng	# 9
57) 2,4-Dinitrotoluene	9.904	165	25205	6.880	ng	# 15
71) Phenanthrene	11.421	178	164378	10.923	ng	100
72) Anthracene	11.474	178	53648	3.600	ng	98
75) Fluoranthene	12.615	202	264244	15.704	ng	93
78) Pyrene	12.845	202	238267	13.782	ng	99
81) Benzo(a)anthracene	14.033	228	113986	7.627	ng	97
83) Chrysene	14.068	228	93666	6.738	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	34779	3.722	ng	# 83
88) Benzo(b)fluoranthene	15.098	252	125550	12.331	ng	# 94
89) Benzo(k)fluoranthene	15.404	252	32654	3.411	ng	98
90) Benzo(a)pyrene	15.404	252	43787	5.461	ng	96
92) Benzo(g,h,i)perylene	17.497	276	33755	4.449	ng	# 81

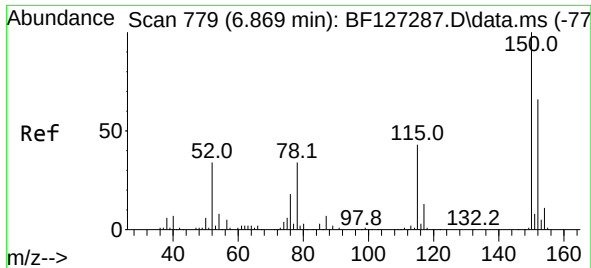
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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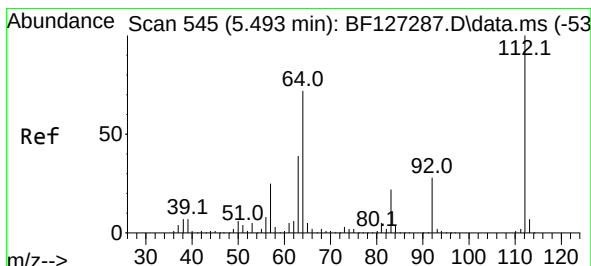
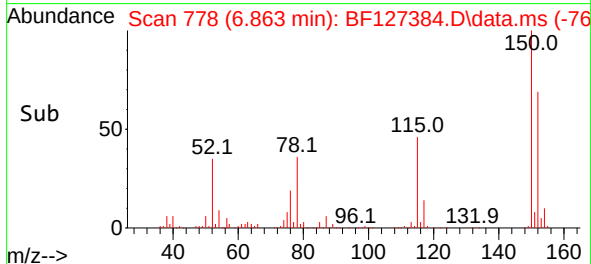
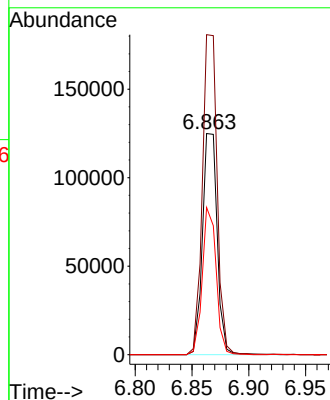
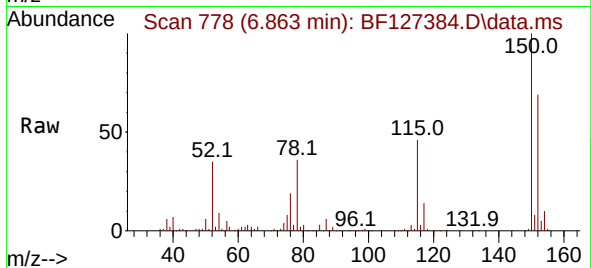




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

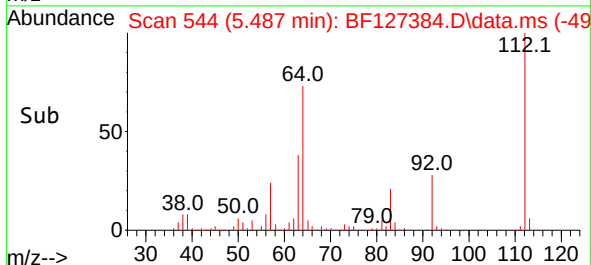
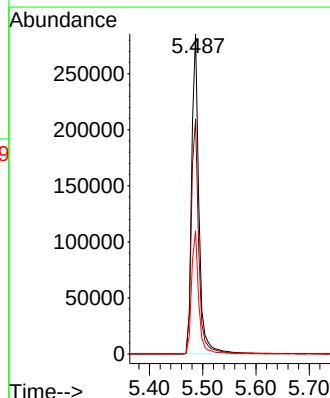
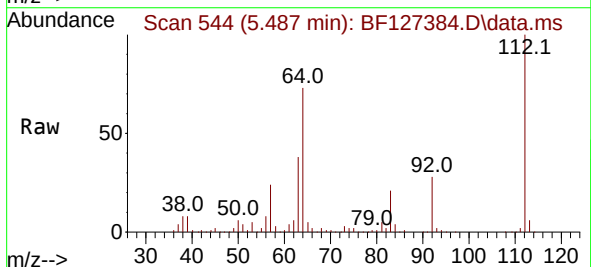
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BNA_F
ClientSampleId :
CL-02-031522

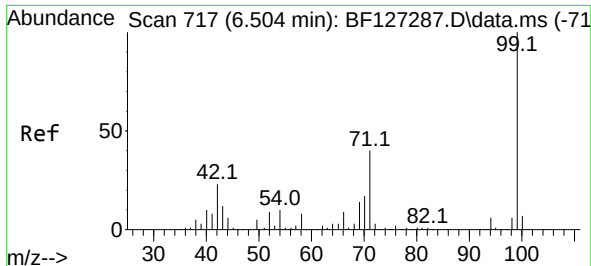
Tgt Ion:152 Resp: 113033
Ion Ratio Lower Upper
152 100
150 144.7 128.1 192.1
115 66.5 56.7 85.1



#5
2-Fluorophenol
Concen: 38.604 ng
RT: 5.487 min Scan# 544
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:112 Resp: 271437
Ion Ratio Lower Upper
112 100
64 73.3 49.5 74.3
63 38.5 23.9 35.9#

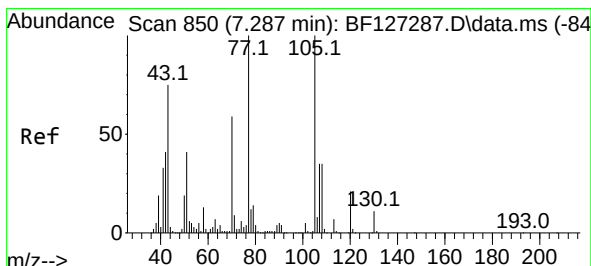
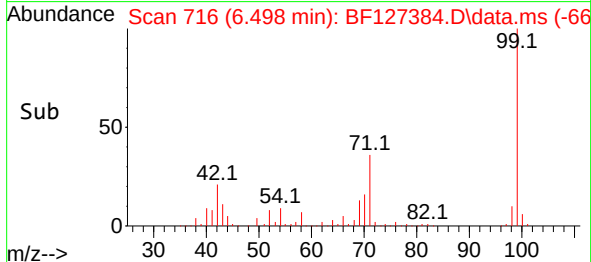
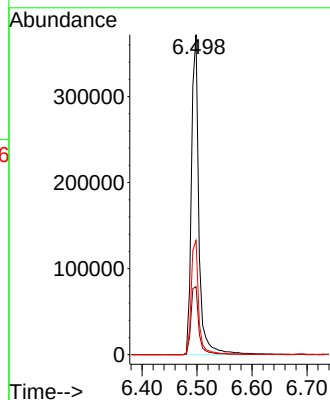
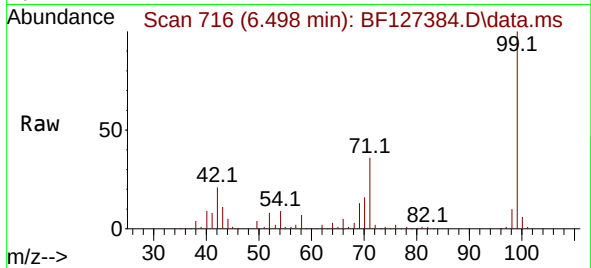




#7
Phenol-d6
Concen: 36.318 ng
RT: 6.498 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

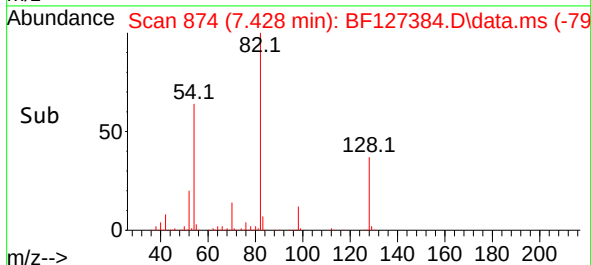
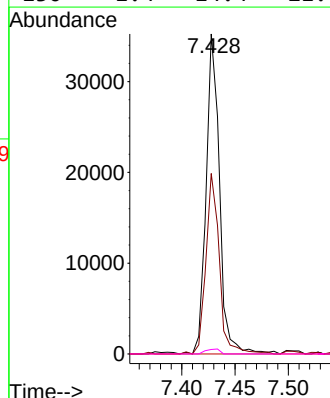
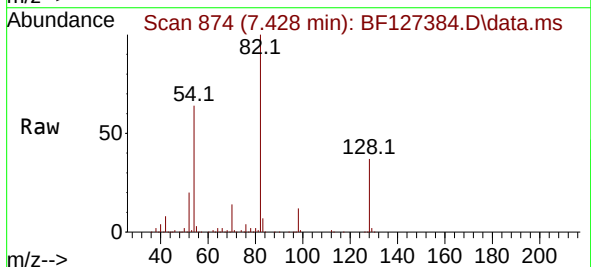
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BNA_F
ClientSampleId :
CL-02-031522

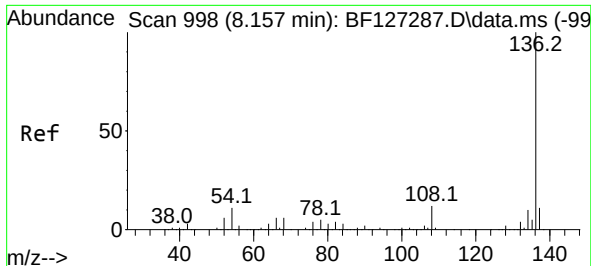
Tgt Ion: 99 Resp: 351295
Ion Ratio Lower Upper
99 100
42 21.3 14.2 21.4
71 35.7 24.3 36.5



#19
n-Nitroso-di-n-propylamine
Concen: 5.132 ng
RT: 7.428 min Scan# 874
Delta R.T. 0.141 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion: 70 Resp: 30978
Ion Ratio Lower Upper
70 100
42 56.4 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: 8.151 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF127384.D

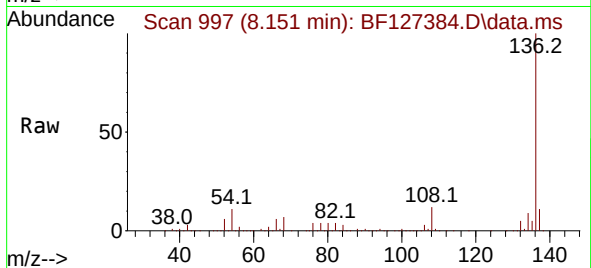
Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522



Tgt Ion:136 Resp: 395628

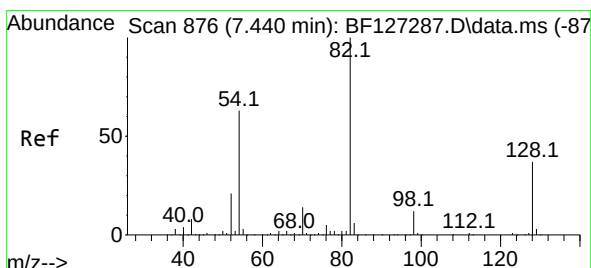
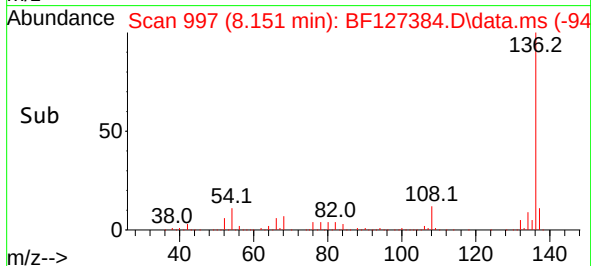
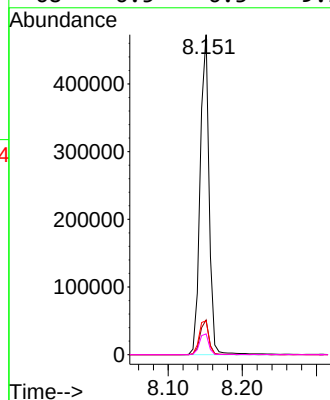
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 10.6 7.8 11.6

68 6.5 6.3 9.5



#23

Nitrobenzene-d5

Concen: 23.798 ng

RT: 7.428 min Scan# 874

Delta R.T. -0.012 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

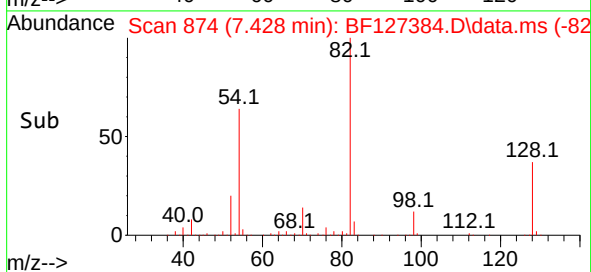
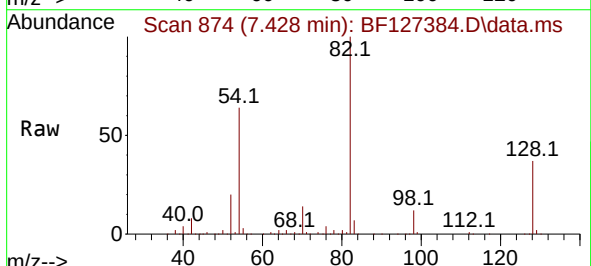
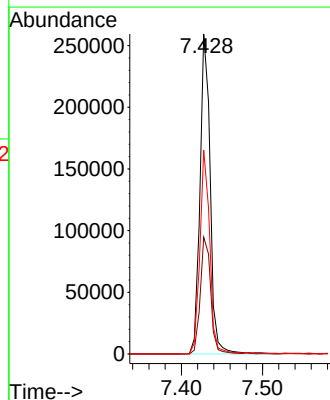
Tgt Ion: 82 Resp: 227984

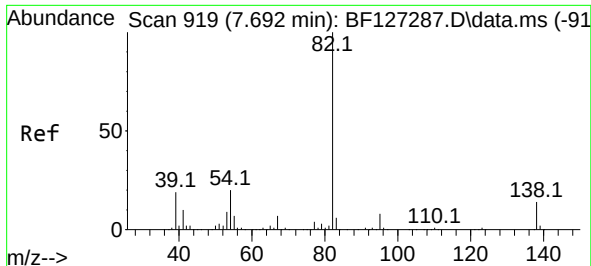
Ion Ratio Lower Upper

82 100

128 36.5 32.7 49.1

54 63.6 41.7 62.5#

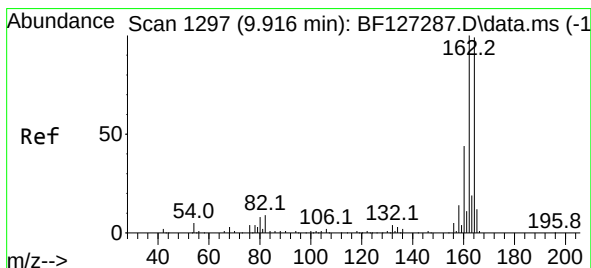
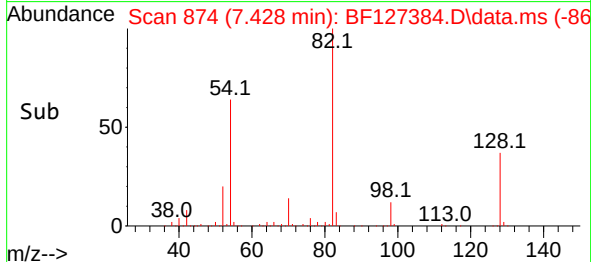
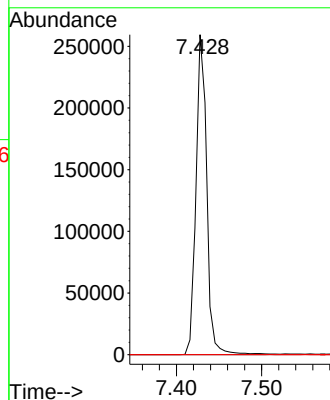
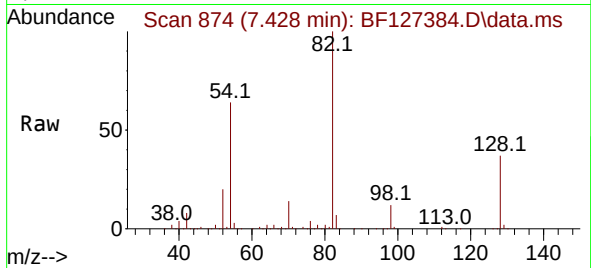




#25
Isophorone
Concen: 14.800 ng
RT: 7.428 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

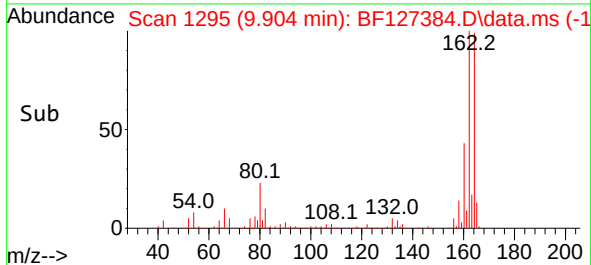
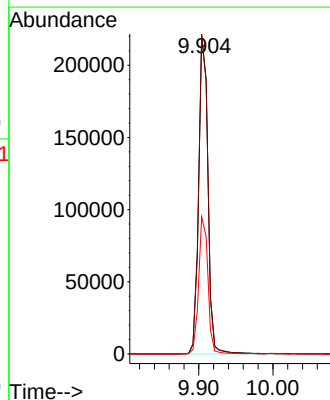
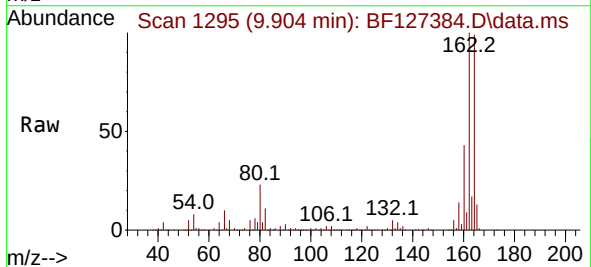
Instrument :
BNA_F
ClientSampleId :
CL-02-031522

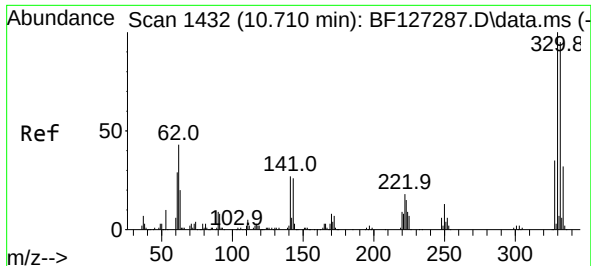
Tgt Ion: 82 Resp: 227981
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion: 164 Resp: 192112
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 43.2 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 25.415 ng

RT: 10.698 min Scan# 1432

Delta R.T. -0.012 min

Lab File: BF127384.D

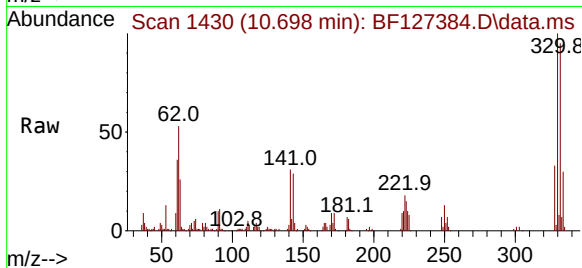
Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522



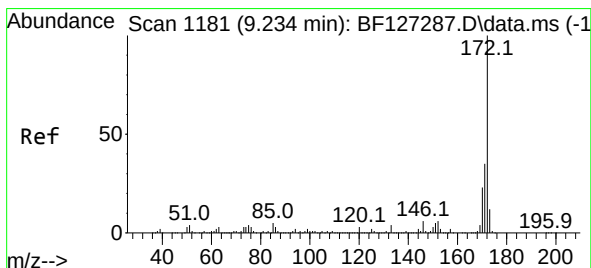
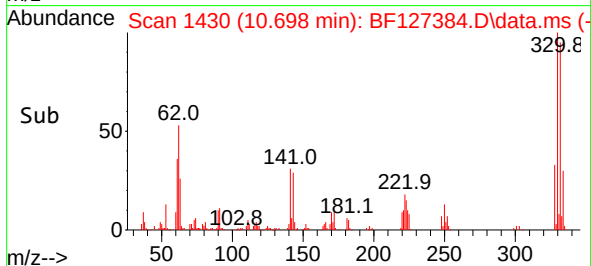
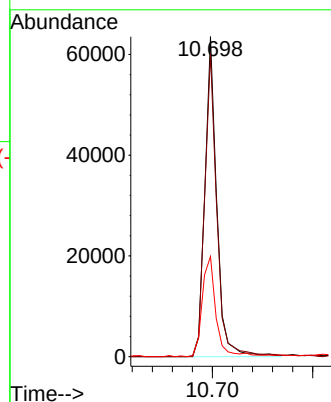
Tgt Ion:330 Resp: 52559

Ion Ratio Lower Upper

330 100

332 97.8 76.0 114.0

141 37.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 26.777 ng

RT: 9.222 min Scan# 1179

Delta R.T. -0.012 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

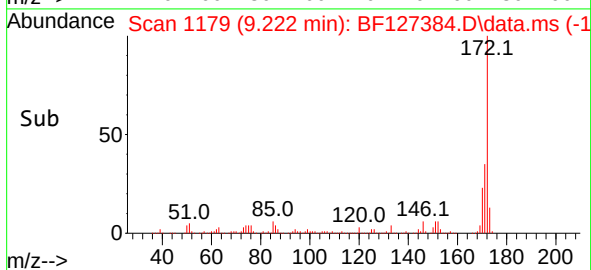
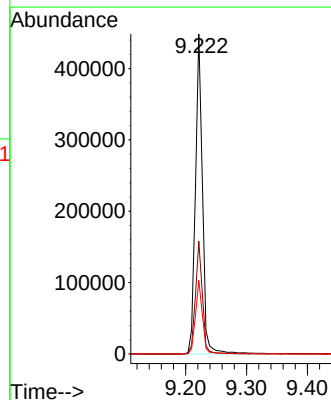
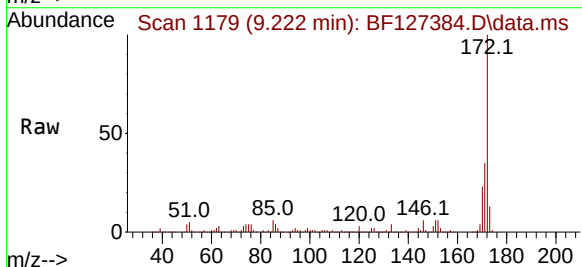
Tgt Ion:172 Resp: 363854

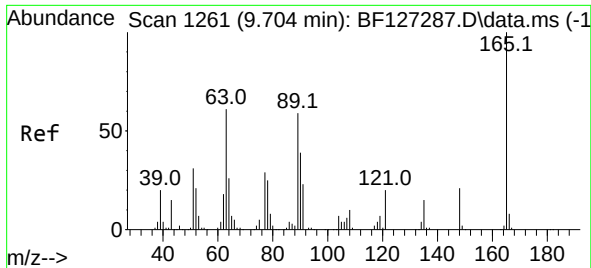
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.0 19.0 28.6

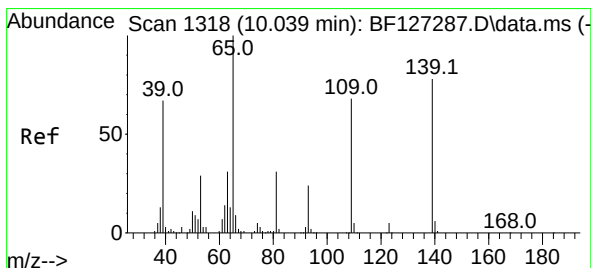
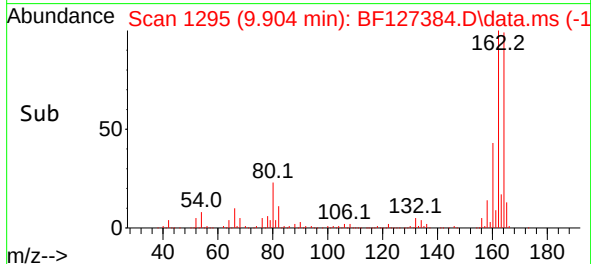
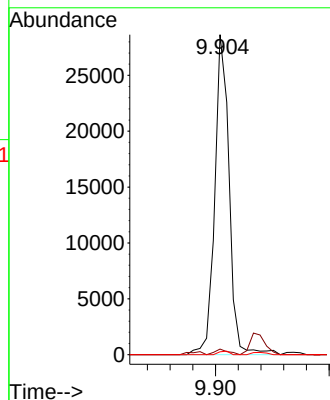
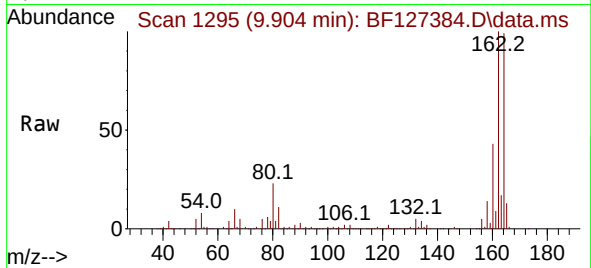




#51
2,6-Dinitrotoluene
Concen: 9.051 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

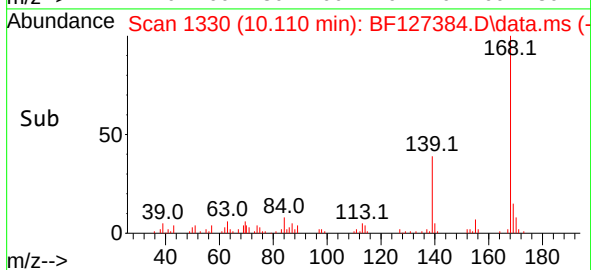
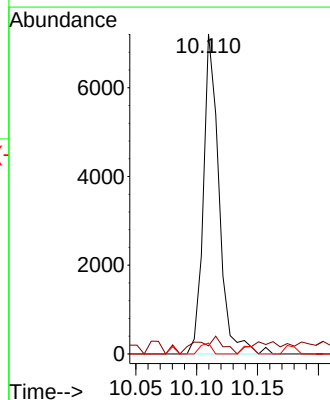
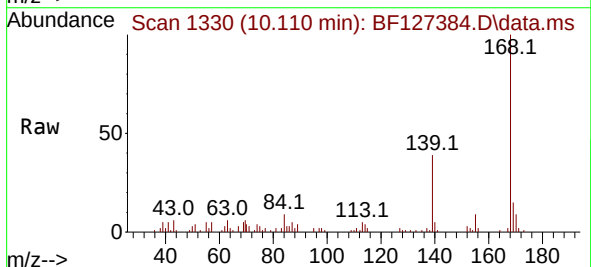
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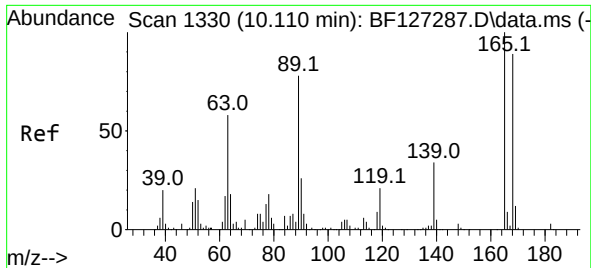
Tgt Ion:165 Resp: 25205
Ion Ratio Lower Upper
165 100
63 1.7 48.4 72.6#
89 0.9 50.5 75.7#



#56
4-Nitrophenol
Concen: 3.485 ng
RT: 10.110 min Scan# 1330
Delta R.T. 0.070 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:139 Resp: 6427
Ion Ratio Lower Upper
139 100
109 2.6 44.1 84.1#
65 3.4 85.5 125.5#

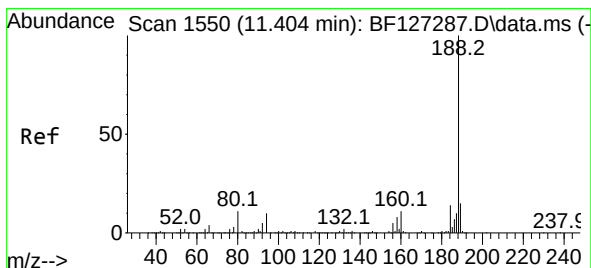
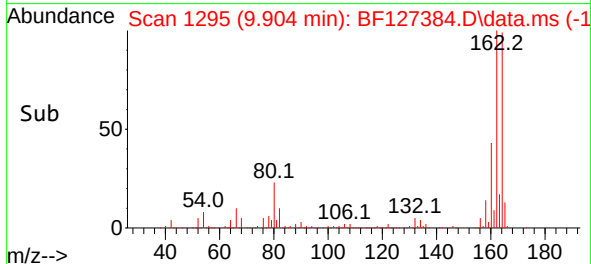
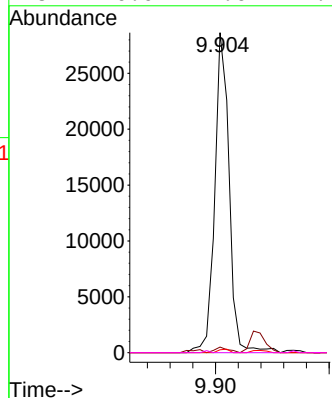
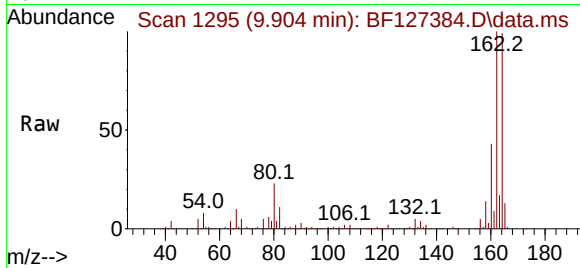




#57
2,4-Dinitrotoluene
Concen: 6.880 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

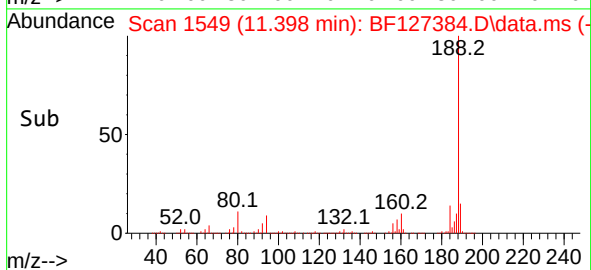
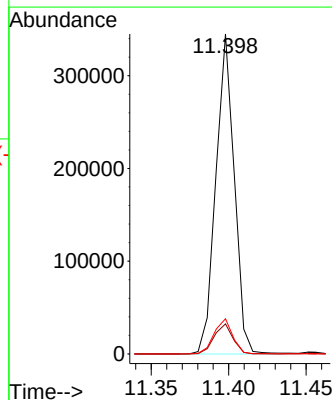
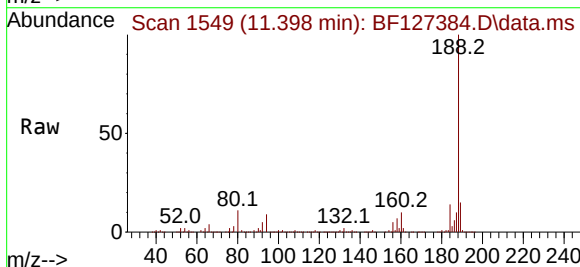
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CL-02-031522

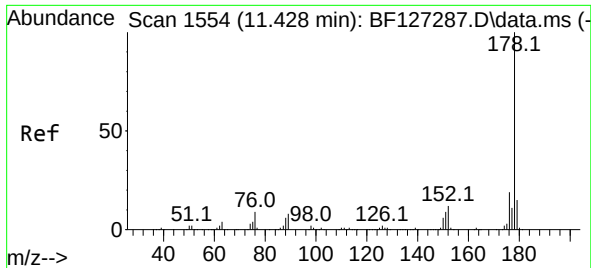
Tgt Ion:165 Resp: 25205
Ion Ratio Lower Upper
165 100
63 1.7 43.0 64.6#
89 0.9 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:188 Resp: 285085
Ion Ratio Lower Upper
188 100
94 9.4 10.1 15.1#
80 11.0 11.8 17.6#

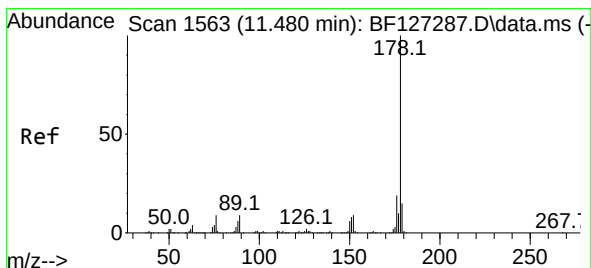
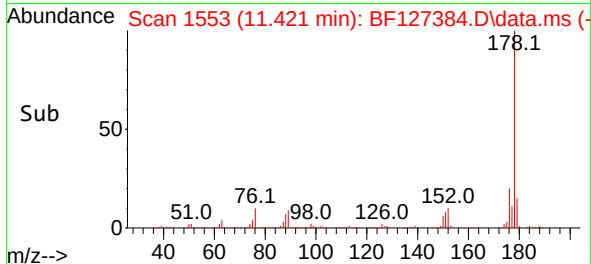
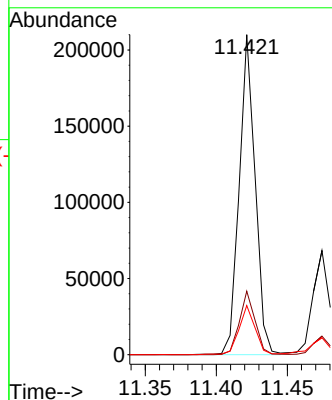
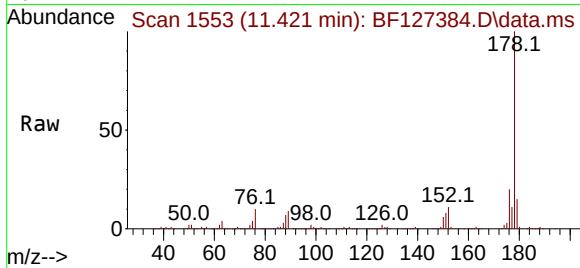




#71
Phenanthrene
Concen: 10.923 ng
RT: 11.421 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

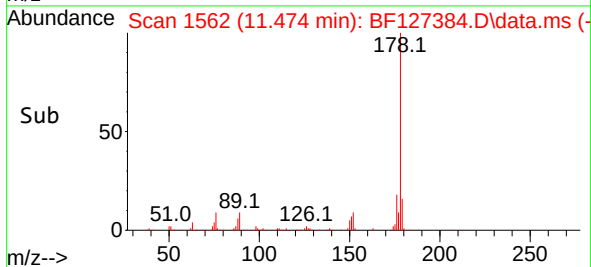
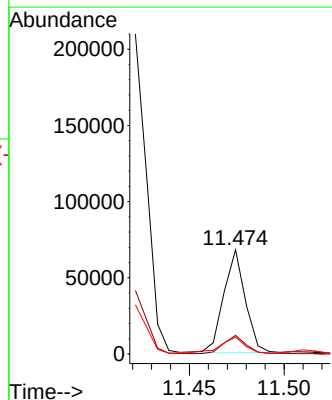
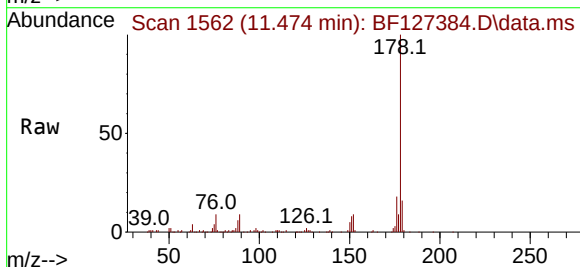
Instrument :
BNA_F
ClientSampleId :
CL-02-031522

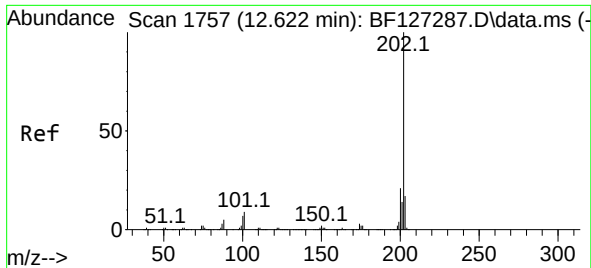
Tgt Ion:178 Resp: 164378
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.4 12.3 18.5



#72
Anthracene
Concen: 3.600 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:178 Resp: 53648
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 16.2 12.5 18.7

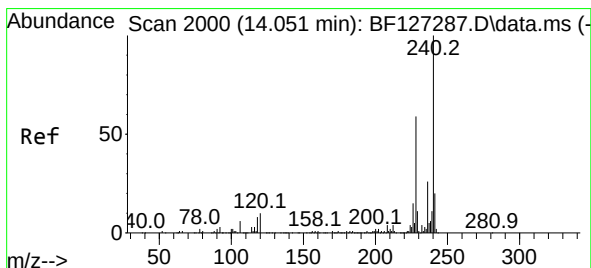
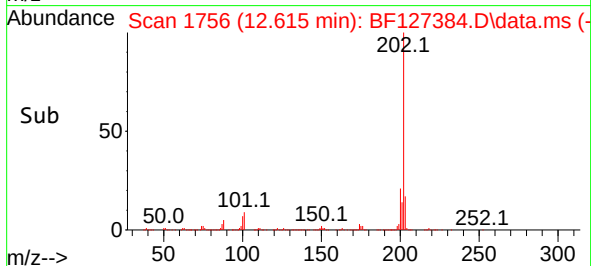
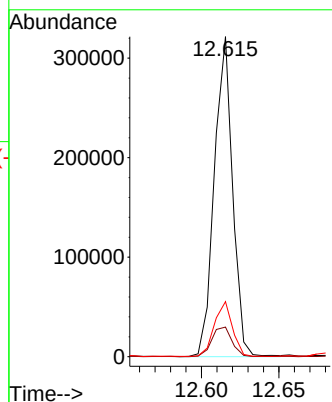
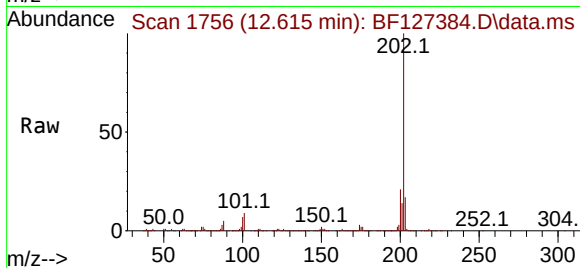




#75
Fluoranthene
Concen: 15.704 ng
RT: 12.615 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

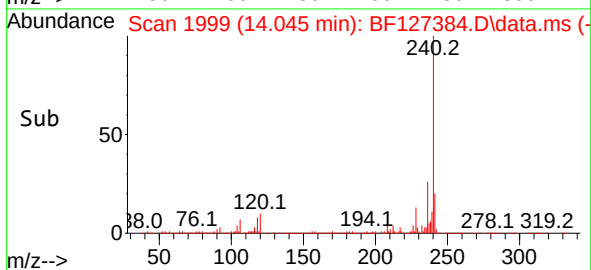
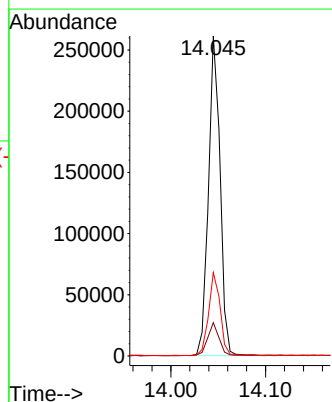
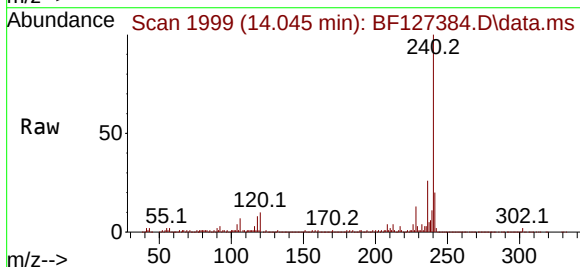
Instrument :
BNA_F
ClientSampleId :
CL-02-031522

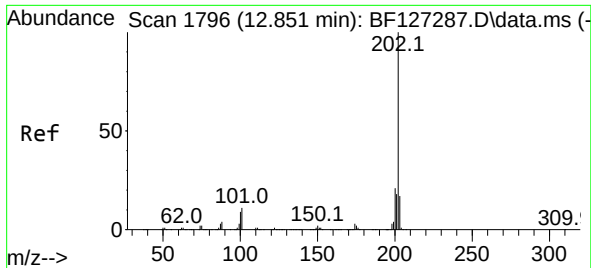
Tgt Ion:202 Resp: 264244
Ion Ratio Lower Upper
202 100
101 9.3 0.0 35.7
203 17.2 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:240 Resp: 221963
Ion Ratio Lower Upper
240 100
120 10.4 14.4 21.6#
236 26.1 20.5 30.7

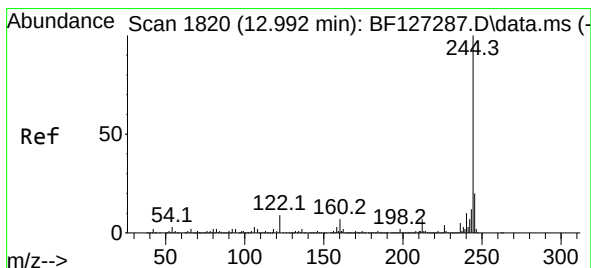
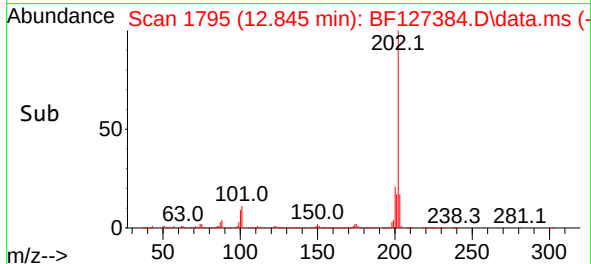
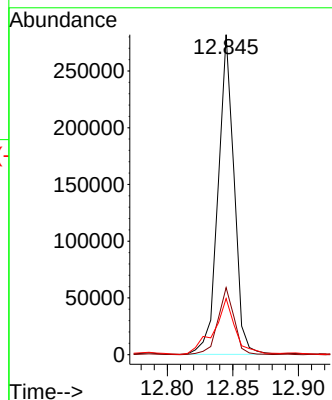
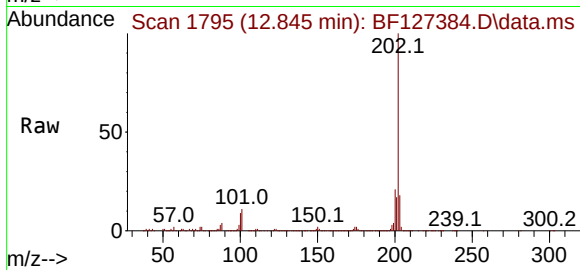




#78
Pyrene
Concen: 13.782 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

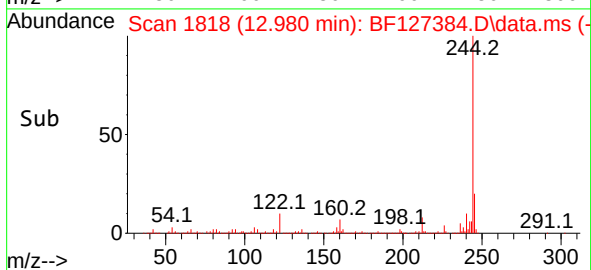
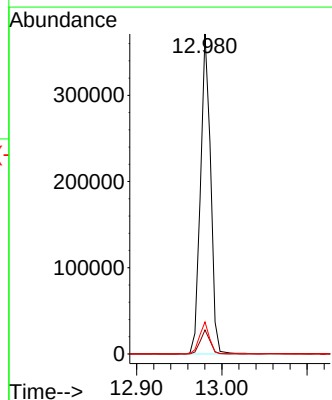
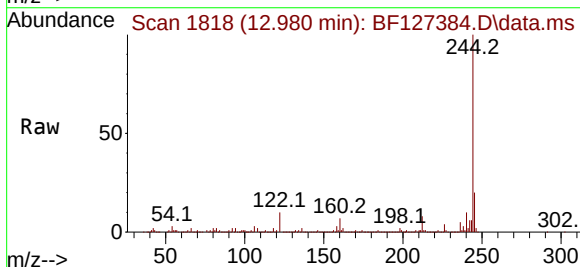
Instrument :
BNA_F
ClientSampleId :
CL-02-031522

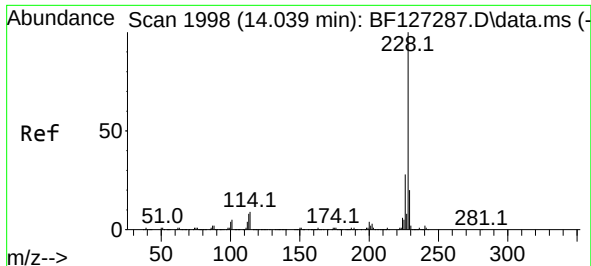
Tgt Ion:202 Resp: 238267
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 13.8 20.8



#79
Terphenyl-d14
Concen: 23.788 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:244 Resp: 306628
Ion Ratio Lower Upper
244 100
212 7.5 5.0 7.4#
122 10.0 13.3 19.9#

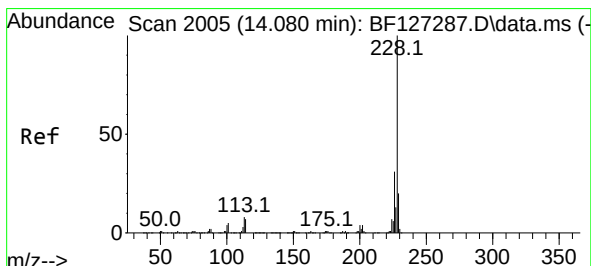
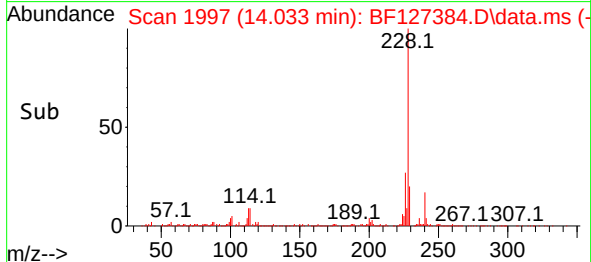
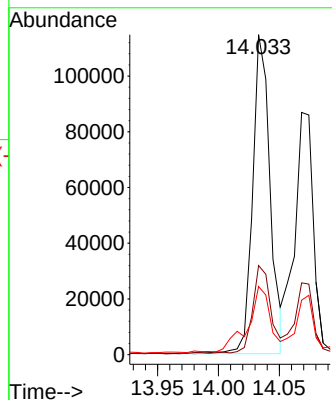
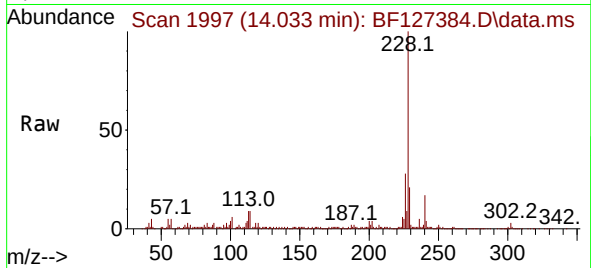




#81
Benzo(a)anthracene
Concen: 7.627 ng
RT: 14.033 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

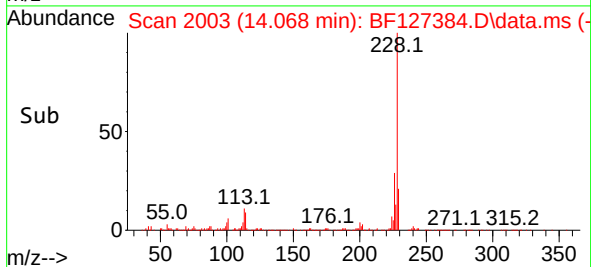
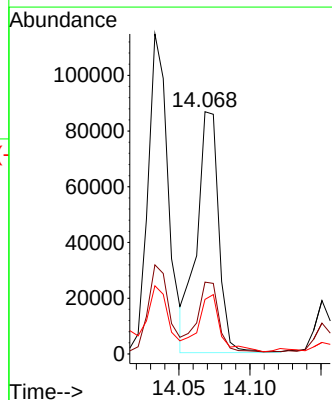
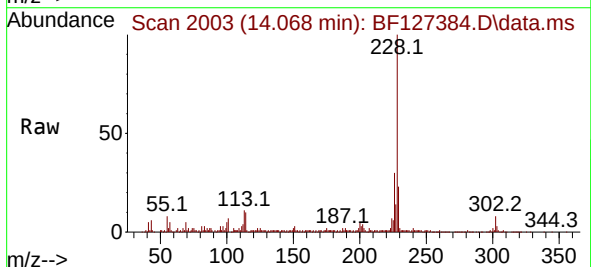
Instrument :
BNA_F
ClientSampleId :
CL-02-031522

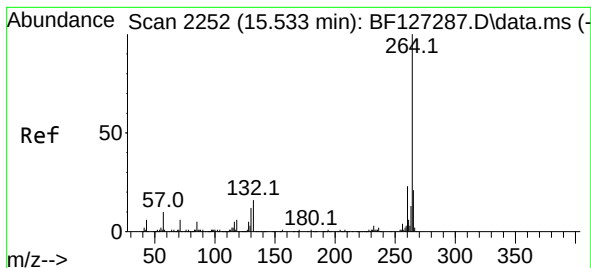
Tgt Ion:228 Resp: 113986
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 21.3 15.4 23.2



#83
Chrysene
Concen: 6.738 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:228 Resp: 93666
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522

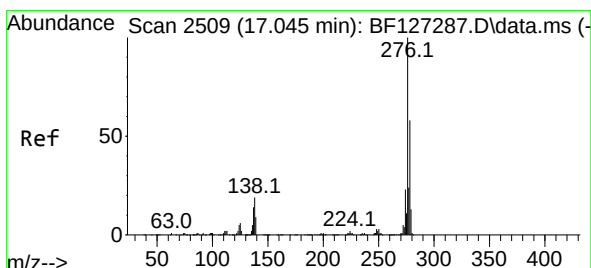
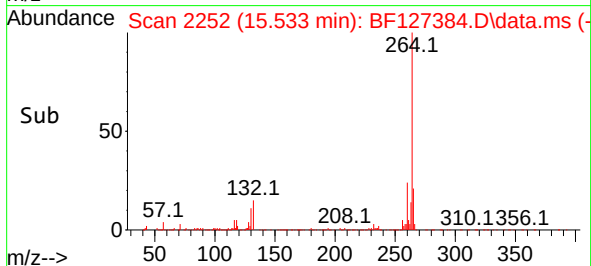
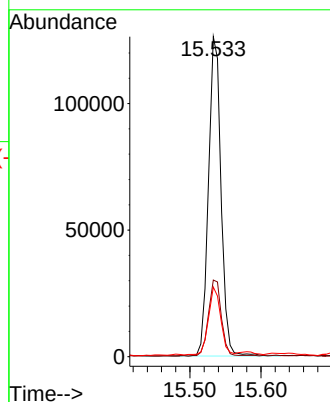
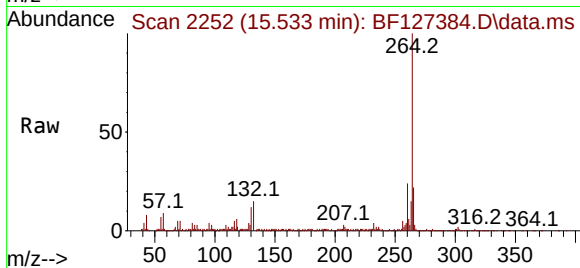
Tgt Ion:264 Resp: 155117

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.8 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.722 ng

RT: 17.045 min Scan# 2509

Delta R.T. -0.000 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

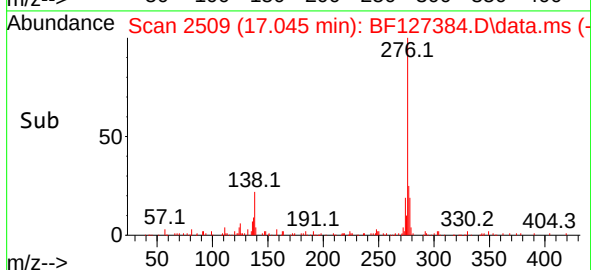
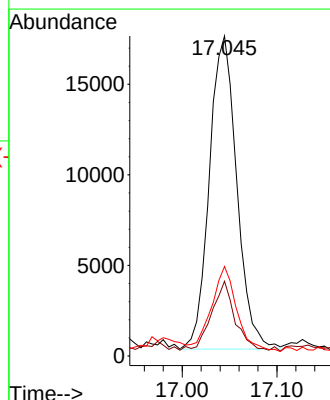
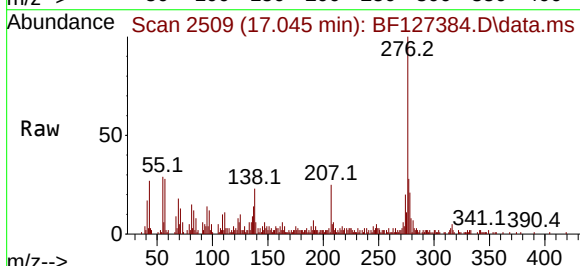
Tgt Ion:276 Resp: 34779

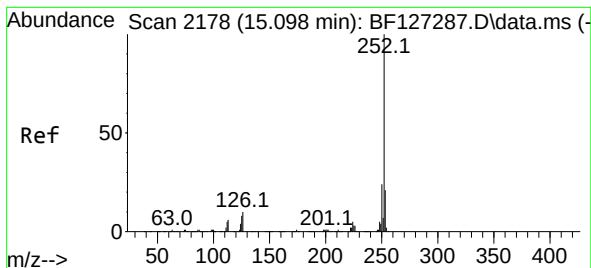
Ion Ratio Lower Upper

276 100

138 20.0 29.2 43.8#

277 25.5 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 12.331 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

Instrument :

BNA_F

ClientSampleId :

CL-02-031522

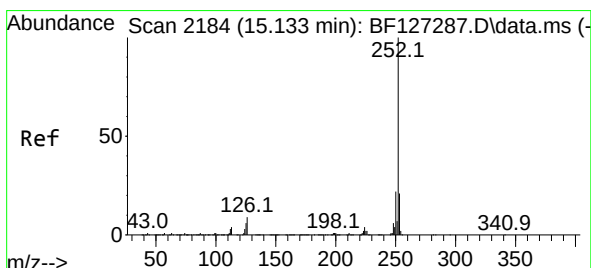
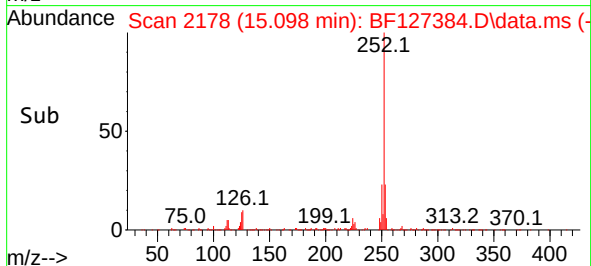
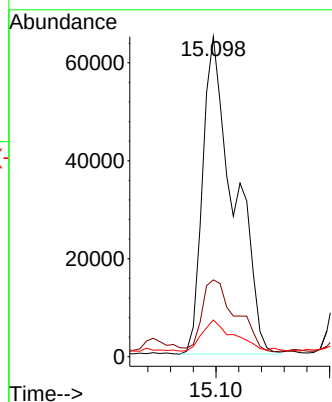
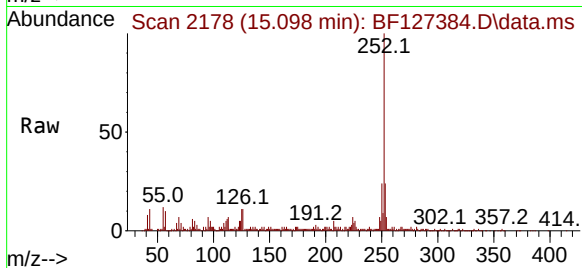
Tgt Ion:252 Resp: 125550

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 11.4 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 3.411 ng

RT: 15.404 min Scan# 2230

Delta R.T. 0.270 min

Lab File: BF127384.D

Acq: 17 Mar 2022 19:12

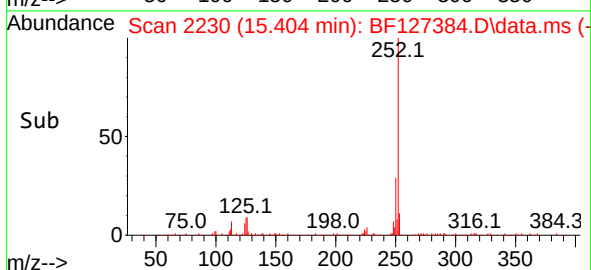
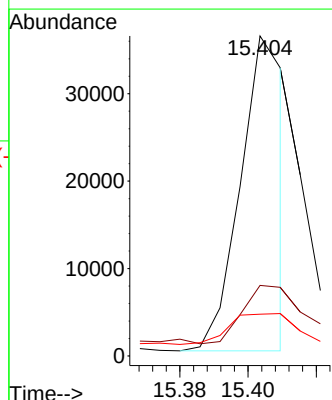
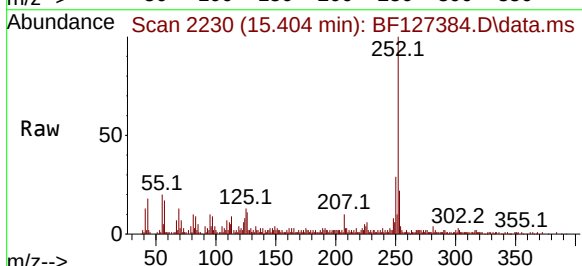
Tgt Ion:252 Resp: 32654

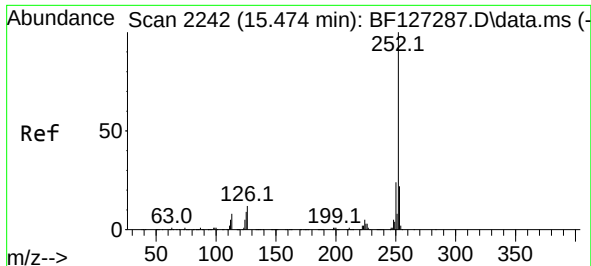
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 13.1 11.8 17.6

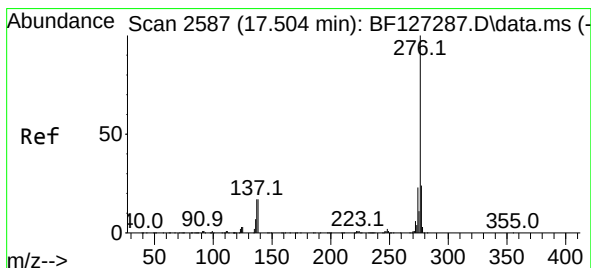
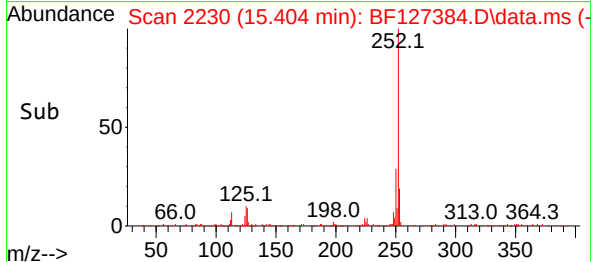
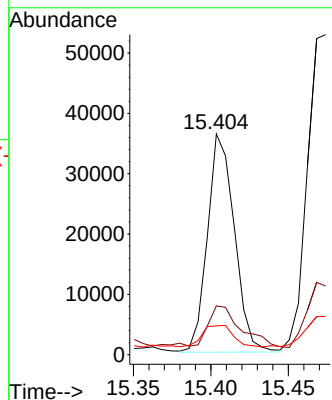
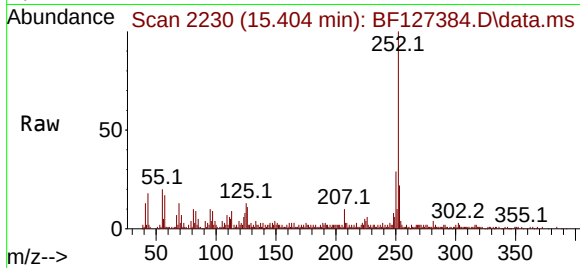




#90
Benzo(a)pyrene
Concen: 5.461 ng
RT: 15.404 min Scan# 21
Delta R.T. -0.071 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Instrument :
BNA_F
ClientSampleId :
CL-02-031522

Tgt Ion:252 Resp: 43787
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 13.1 13.0 19.6



#92
Benzo(g,h,i)perylene
Concen: 4.449 ng
RT: 17.497 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BF127384.D
Acq: 17 Mar 2022 19:12

Tgt Ion:276 Resp: 33755
Ion Ratio Lower Upper
276 100
277 26.5 18.5 27.7
138 17.1 25.9 38.9#

