

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127897.D
 Acq On : 25 Apr 2022 23:11
 Operator : CG\JU
 Sample : N2541-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-042222

Quant Time: Apr 26 05:41:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

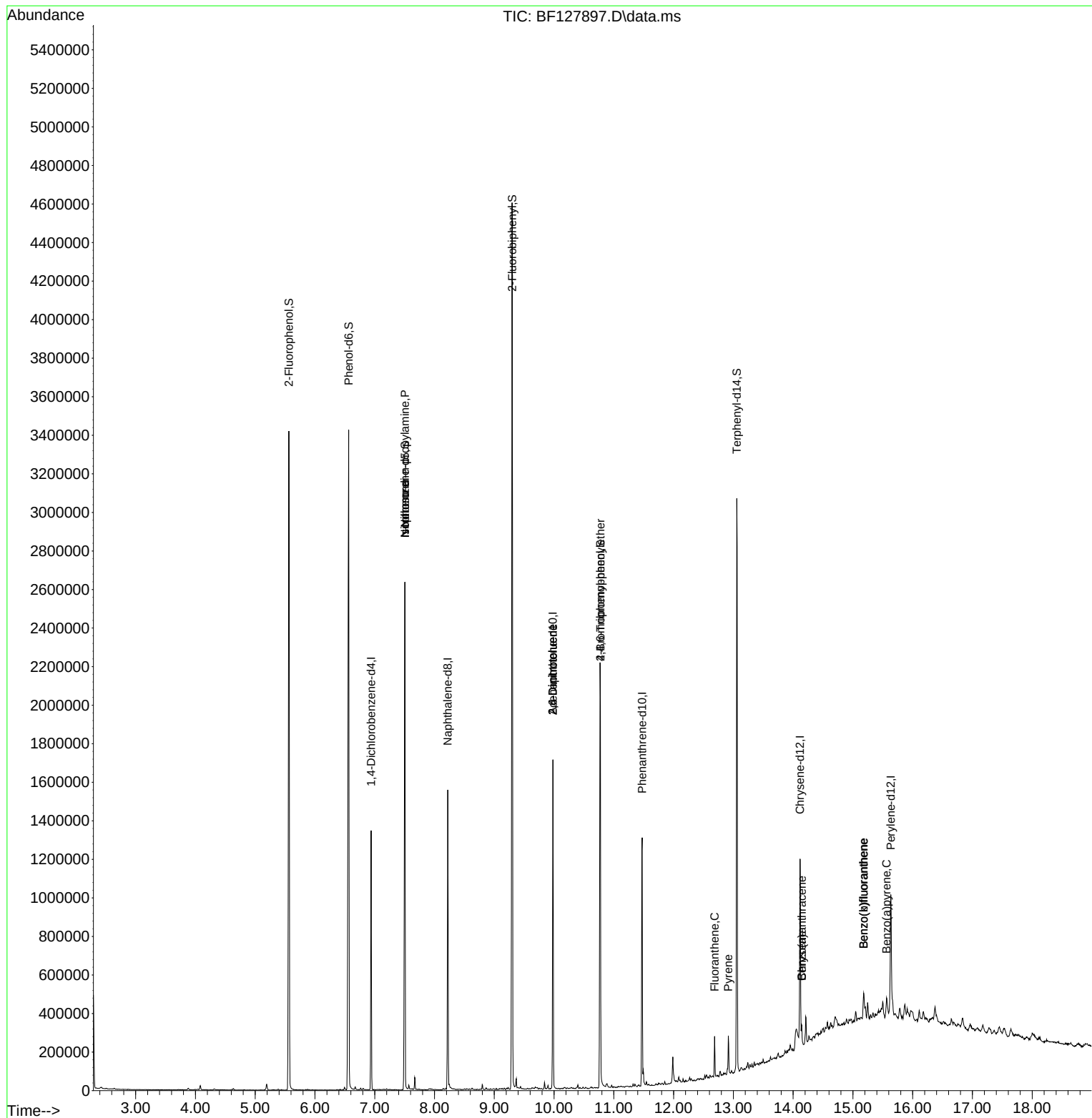
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	169525	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	623545	20.000	ng	0.00
39) Acenaphthene-d10	9.981	164	332792	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	501340	20.000	ng	0.00
76) Chrysene-d12	14.116	240	328993	20.000	ng	-0.01
86) Perylene-d12	15.633	264	307440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	932732	87.635	ng	0.00
7) Phenol-d6	6.563	99	1212765	87.815	ng	0.00
23) Nitrobenzene-d5	7.504	82	865515	65.272	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	269383	80.410	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	1391353	70.729	ng	0.00
79) Terphenyl-d14	13.057	244	1093413	60.773	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.504	70	115029	13.606	ng	# 82
25) Isophorone	7.504	82	865497	38.781	ng	# 68
51) 2,6-Dinitrotoluene	9.981	165	43284	8.957	ng	# 21
57) 2,4-Dinitrotoluene	9.981	165	43284	6.762	ng	# 26
67) 4-Bromophenyl-phenylether	10.775	248	17068	3.071	ng	# 1
75) Fluoranthene	12.687	202	75487	2.733	ng	99
78) Pyrene	12.916	202	72831	2.742	ng	97
81) Benzo(a)anthracene	14.145	228	46749	2.132	ng	92
83) Chrysene	14.145	228	46749	2.232	ng	96
88) Benzo(b)fluoranthene	15.180	252	94754	4.907	ng	# 93
89) Benzo(k)fluoranthene	15.180	252	94754	4.871	ng	# 91
90) Benzo(a)pyrene	15.563	252	45668	2.851	ng	# 97

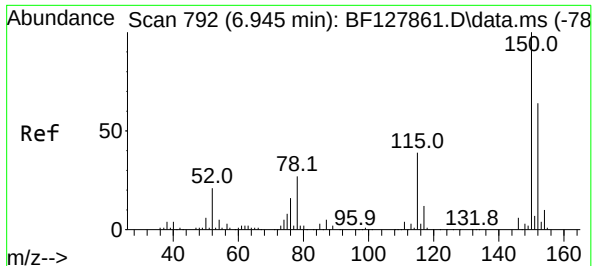
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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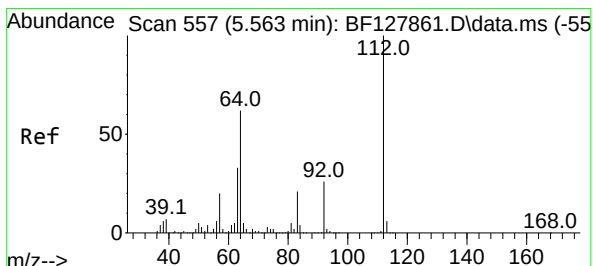
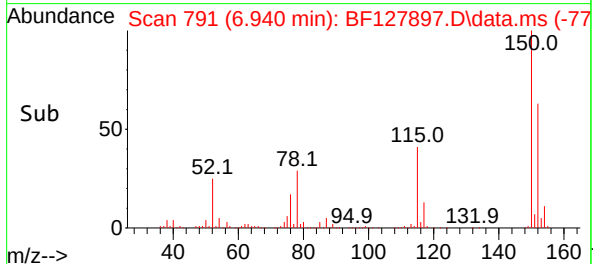
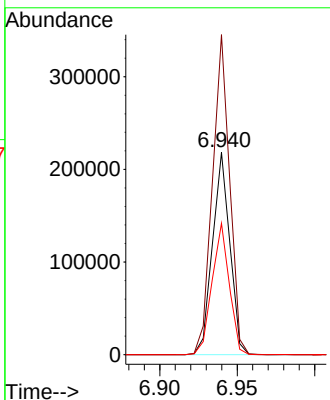
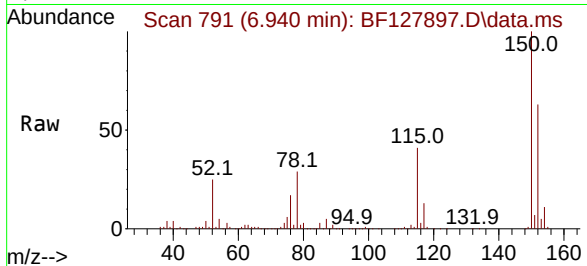




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 792
Delta R.T. -0.005 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

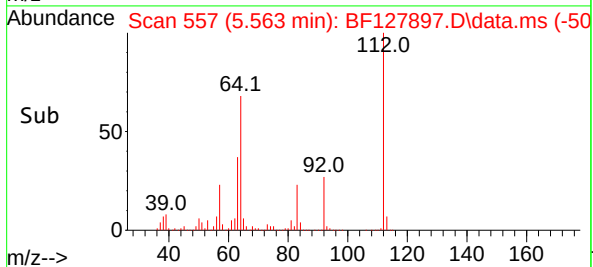
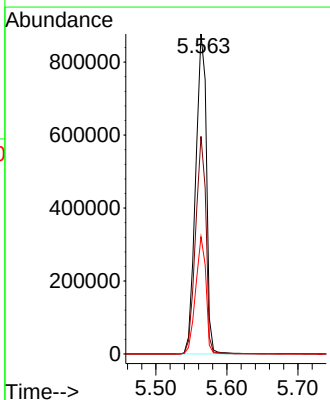
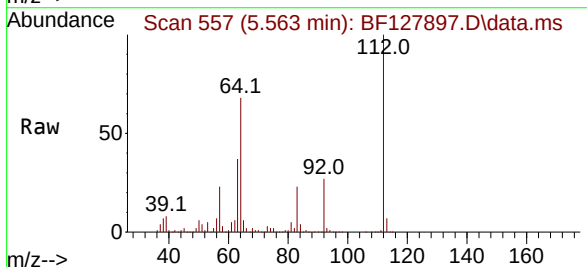
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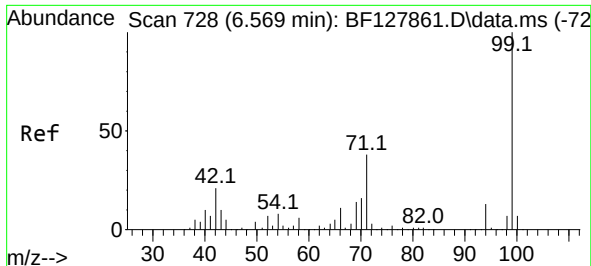
Tgt Ion:152 Resp: 169525
Ion Ratio Lower Upper
152 100
150 158.2 125.3 187.9
115 65.0 48.8 73.2



#5
2-Fluorophenol
Concen: 87.635 ng
RT: 5.563 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion:112 Resp: 932732
Ion Ratio Lower Upper
112 100
64 68.0 49.5 74.3
63 36.7 26.3 39.5

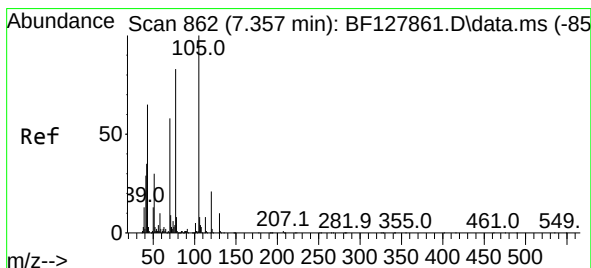
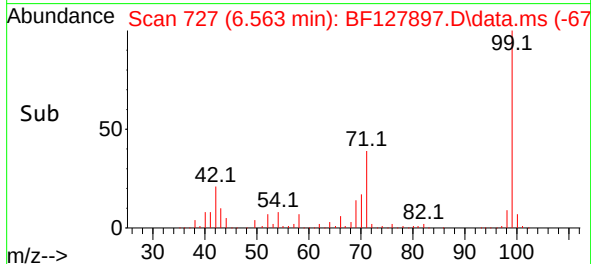
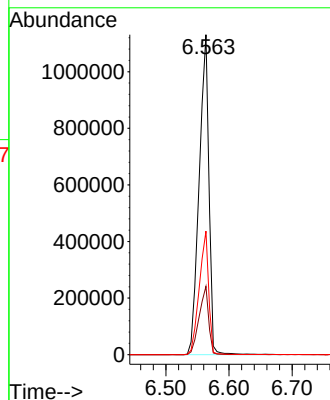
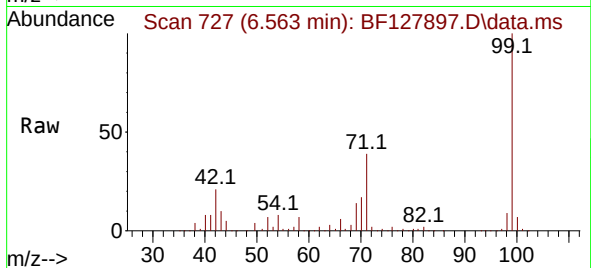




#7
Phenol-d6
Concen: 87.815 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

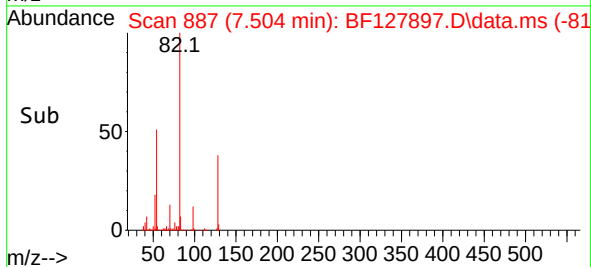
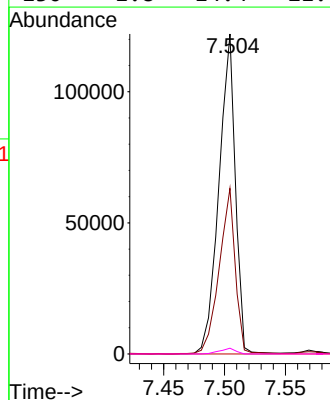
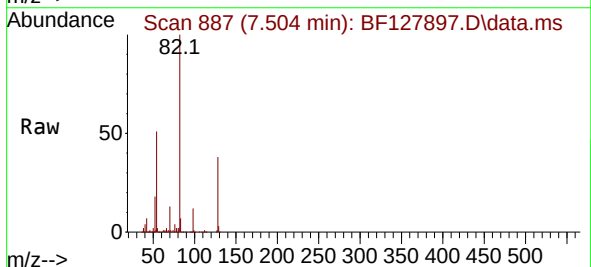
Instrument :
BNA_F
ClientSampleId :
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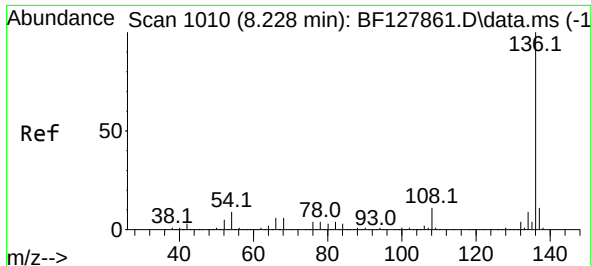
Tgt Ion: 99 Resp: 1212765
Ion Ratio Lower Upper
99 100
42 21.3 16.6 24.8
71 38.6 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.606 ng
RT: 7.504 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion: 70 Resp: 115029
Ion Ratio Lower Upper
70 100
42 51.8 48.7 73.1
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#

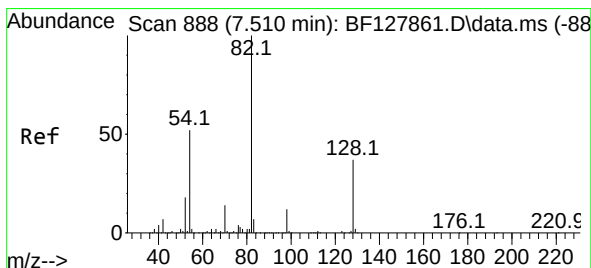
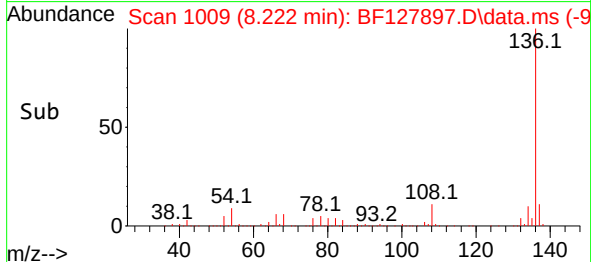
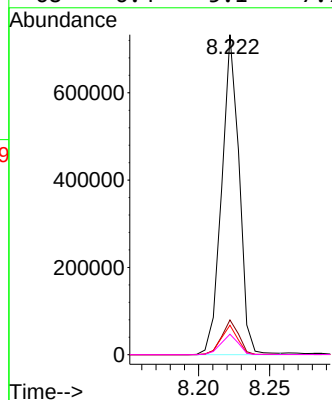
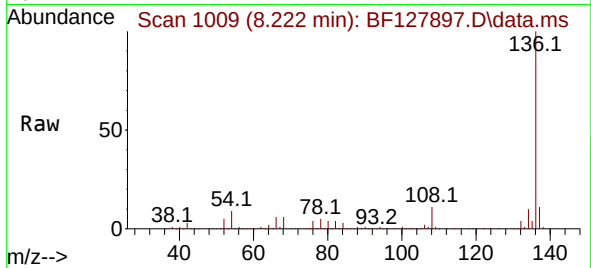




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

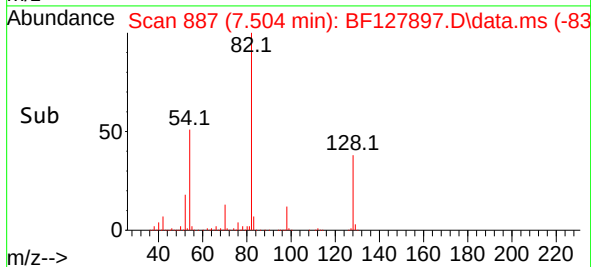
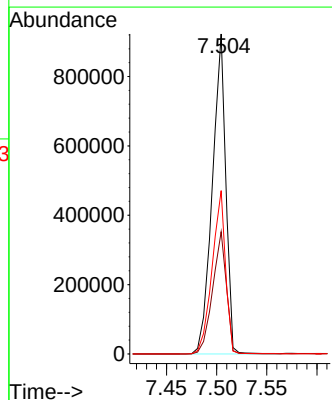
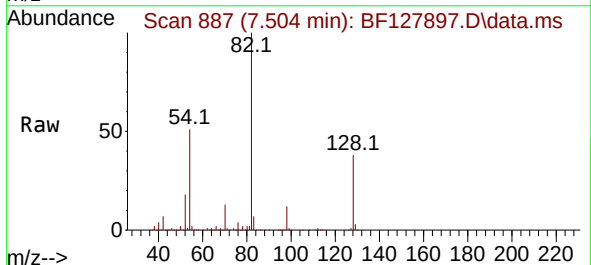
Instrument :
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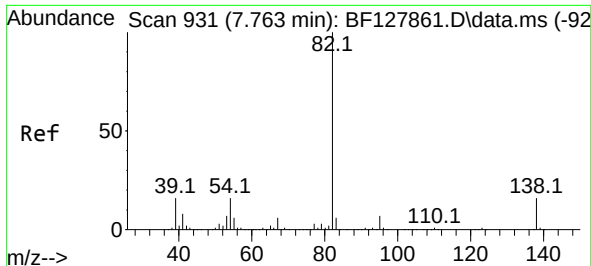
Tgt Ion:136 Resp: 623545
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.2 6.8 10.2
68 6.4 5.1 7.7



#23
Nitrobenzene-d5
Concen: 65.272 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion: 82 Resp: 865515
Ion Ratio Lower Upper
82 100
128 38.2 30.0 45.0
54 51.0 41.3 61.9

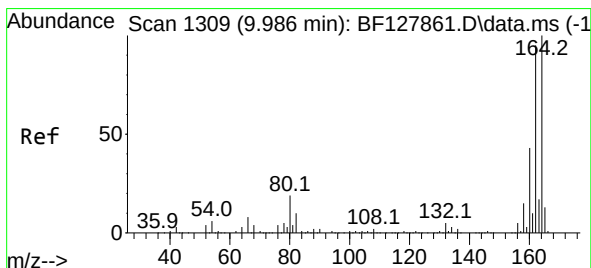
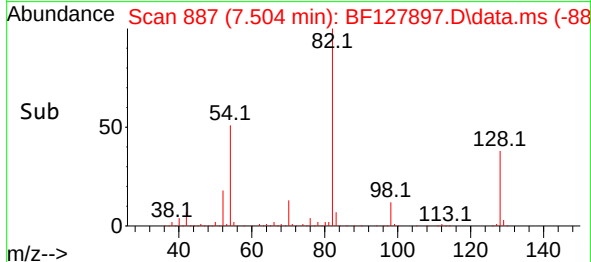
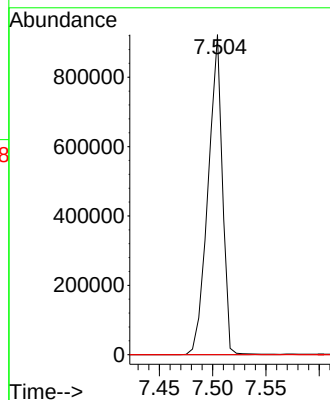
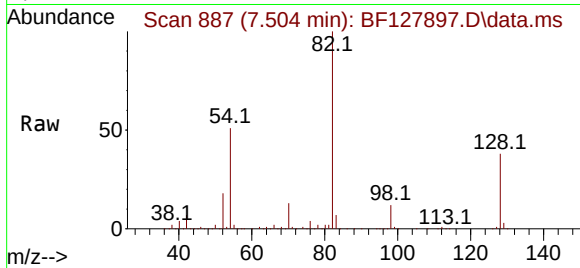




#25
Isophorone
Concen: 38.781 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

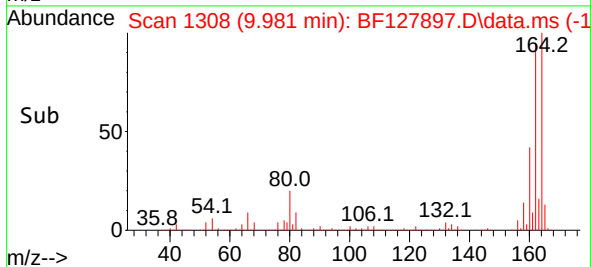
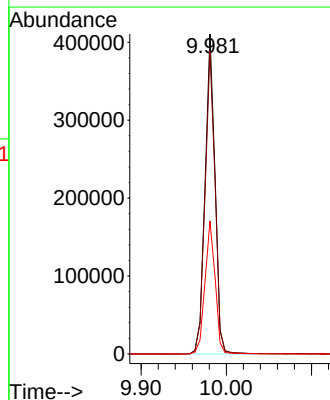
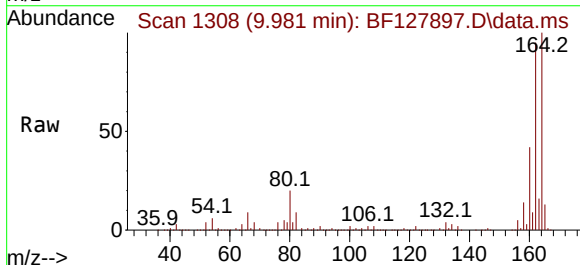
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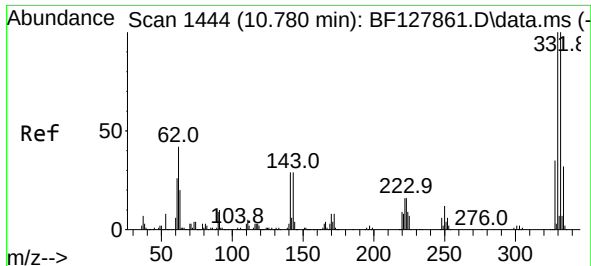
Tgt Ion: 82 Resp: 865497
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion: 164 Resp: 332792
Ion Ratio Lower Upper
164 100
162 94.6 76.0 114.0
160 41.5 34.8 52.2

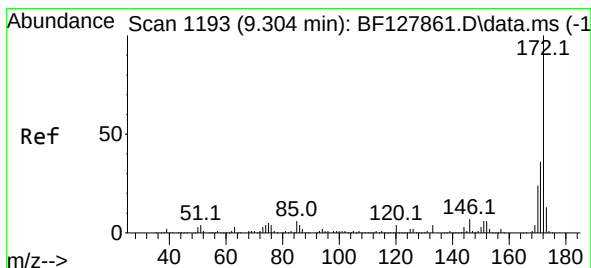
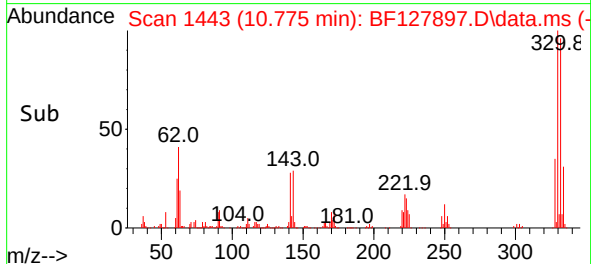
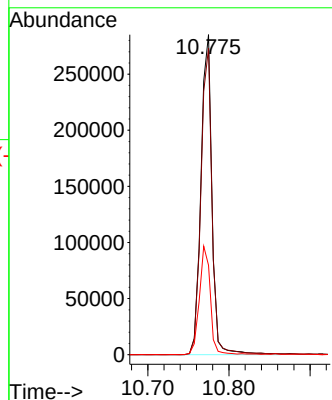
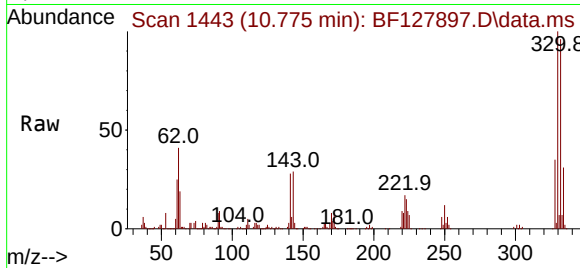




#42
2,4,6-Tribromophenol
Concen: 80.410 ng
RT: 10.775 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

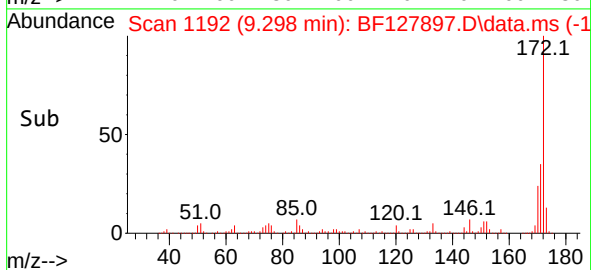
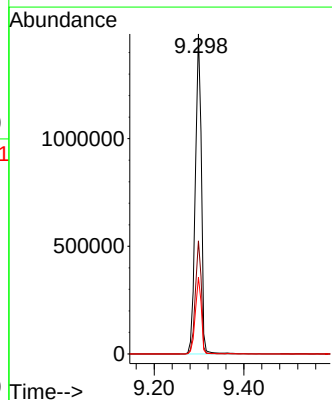
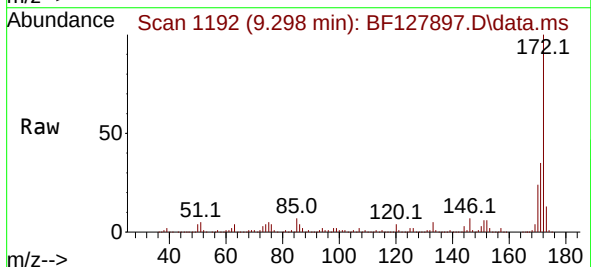
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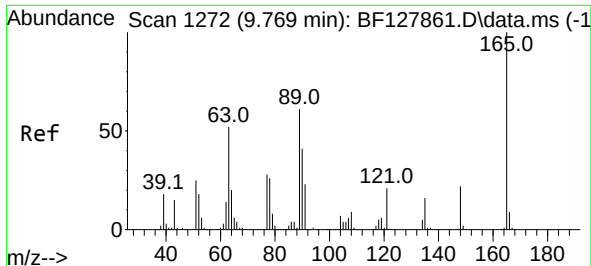
Tgt Ion: 330 Resp: 269383
Ion Ratio Lower Upper
330 100
332 97.1 79.0 118.4
141 33.9 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 70.729 ng
RT: 9.298 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion: 172 Resp: 1391353
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.9 19.1 28.7

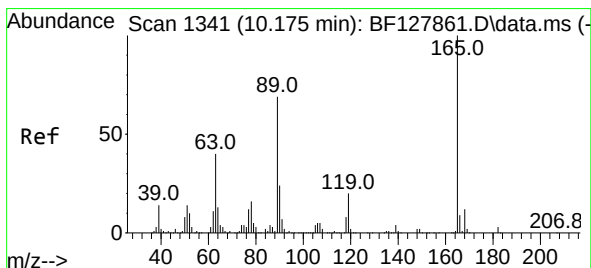
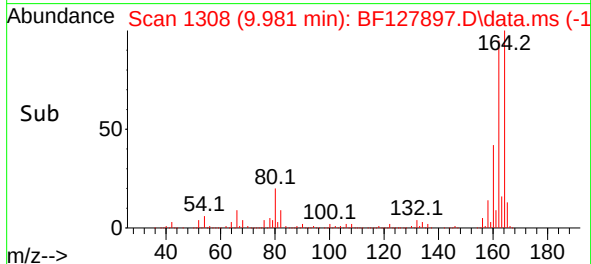
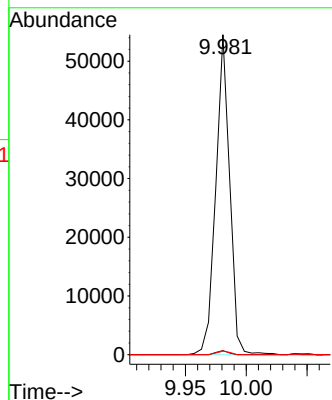
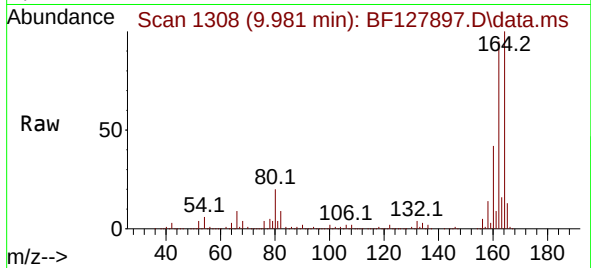




#51
2,6-Dinitrotoluene
Concen: 8.957 ng
RT: 9.981 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

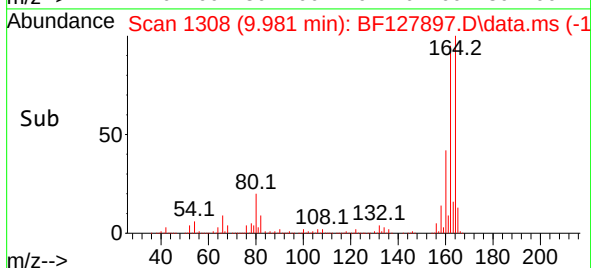
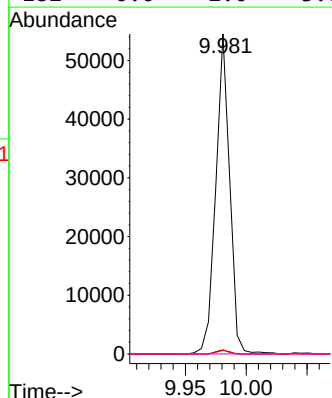
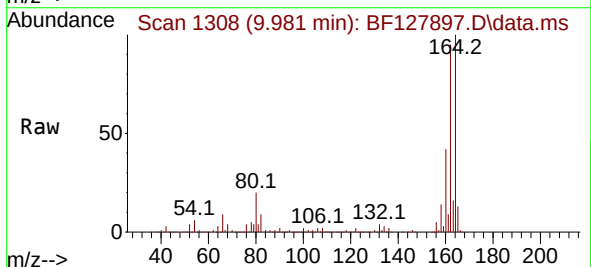
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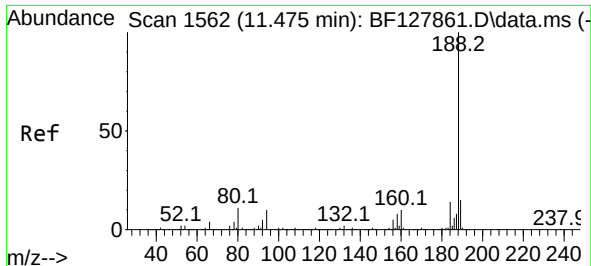
Tgt Ion:165 Resp: 43284
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.1 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.762 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion:165 Resp: 43284
Ion Ratio Lower Upper
165 100
63 1.3 32.6 49.0#
89 1.1 55.2 82.8#
182 0.0 2.0 3.0#

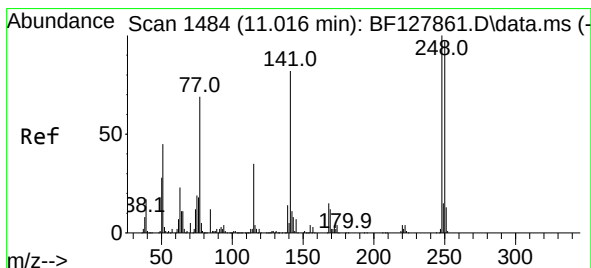
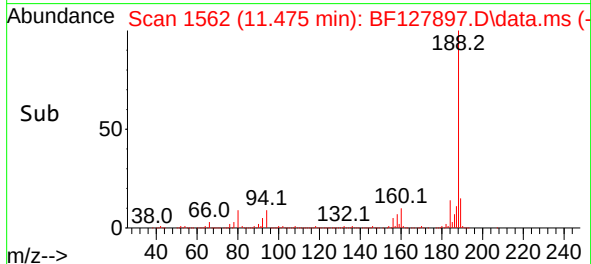
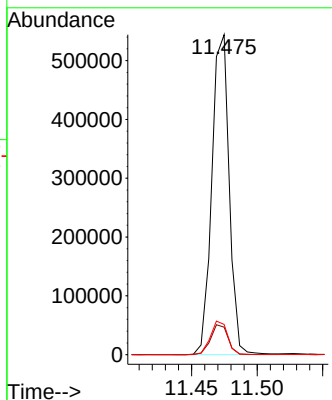
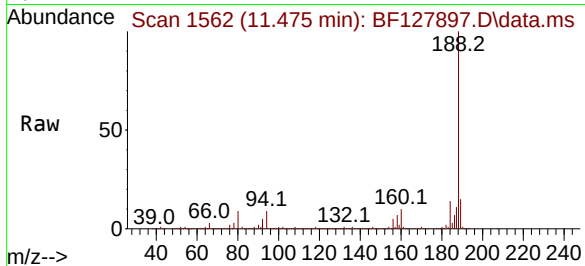




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

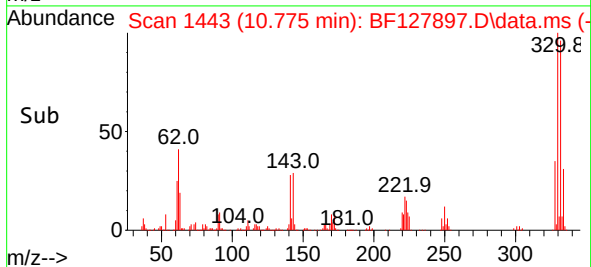
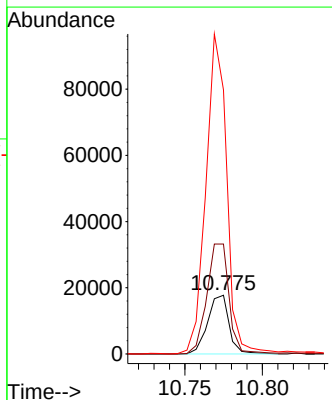
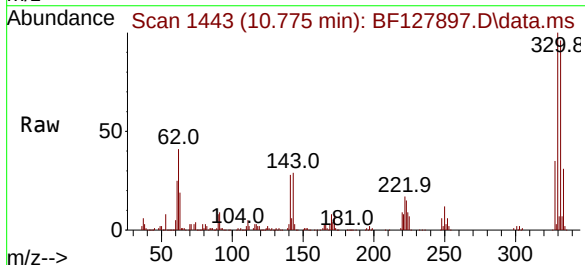
Instrument :
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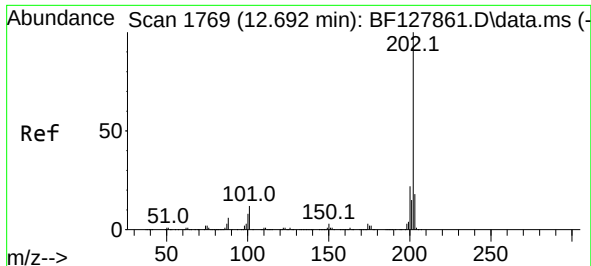
Tgt Ion:188 Resp: 501340
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 9.4 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.071 ng
RT: 10.775 min Scan# 1443
Delta R.T. -0.241 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion:248 Resp: 17068
Ion Ratio Lower Upper
248 100
250 187.0 77.7 116.5#
141 449.3 65.6 98.4#

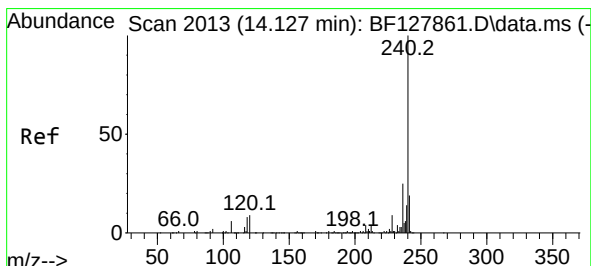
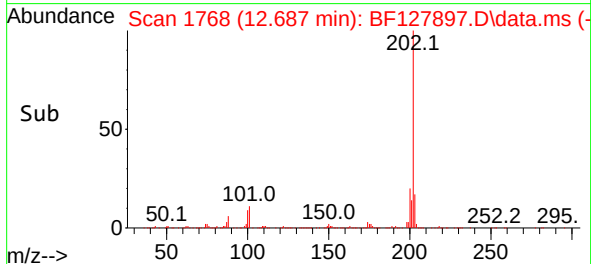
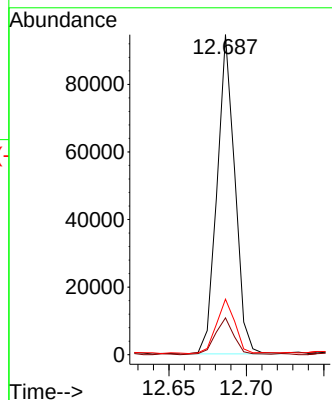
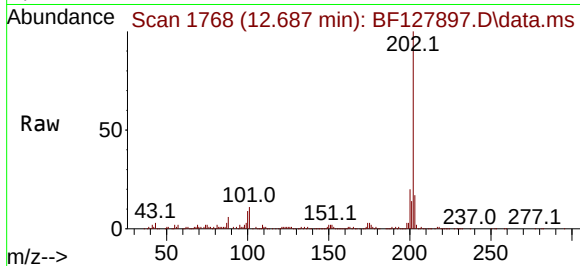




#75
Fluoranthene
Concen: 2.733 ng
RT: 12.687 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

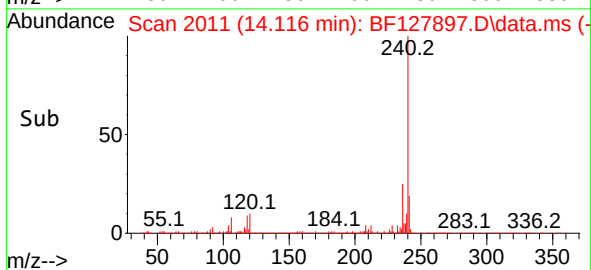
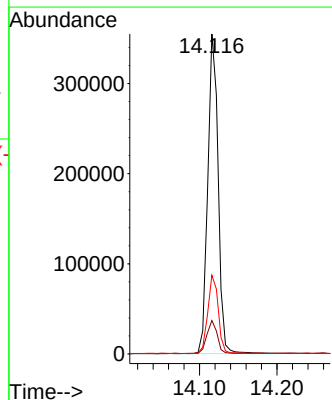
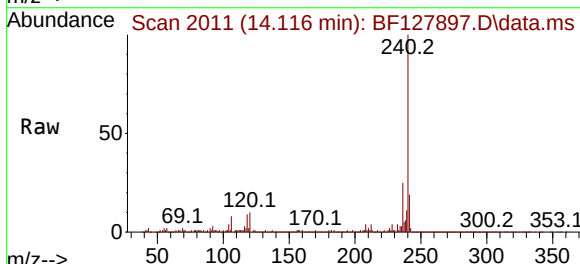
Instrument :
BNA_F
ClientSampleId :
CL-02-042222

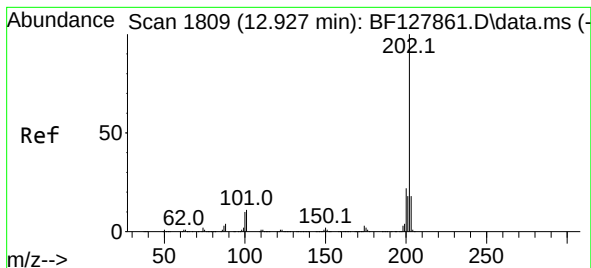
Tgt Ion:202 Resp: 75487
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.6
203 17.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2011
Delta R.T. -0.011 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion:240 Resp: 328993
Ion Ratio Lower Upper
240 100
120 10.4 7.0 10.6
236 24.6 20.3 30.5





#78

Pyrene

Concen: 2.742 ng

RT: 12.916 min Scan# 1807

Delta R.T. -0.011 min

Lab File: BF127897.D

Acq: 25 Apr 2022 23:11

Instrument :

BNA_F

ClientSampleId :

CL-02-042222

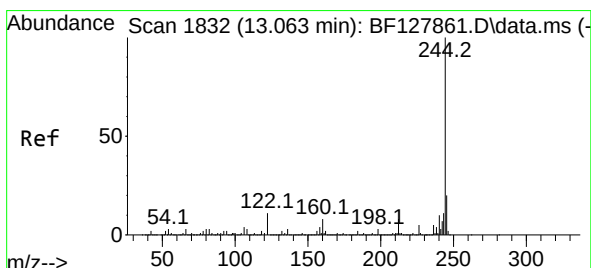
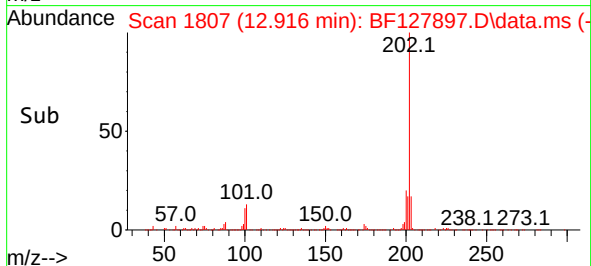
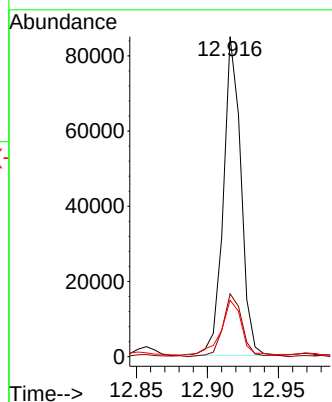
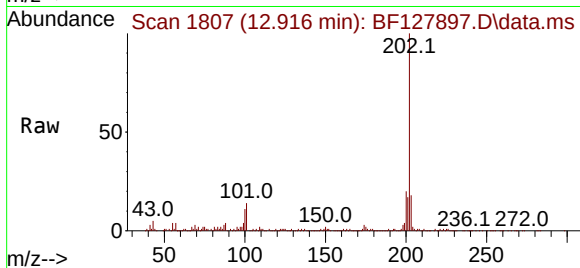
Tgt Ion:202 Resp: 72831

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

203 17.7 14.0 21.0



#79

Terphenyl-d14

Concen: 60.773 ng

RT: 13.057 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF127897.D

Acq: 25 Apr 2022 23:11

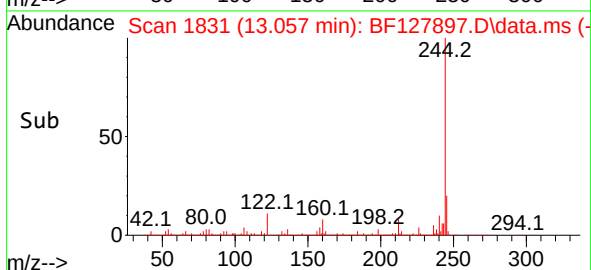
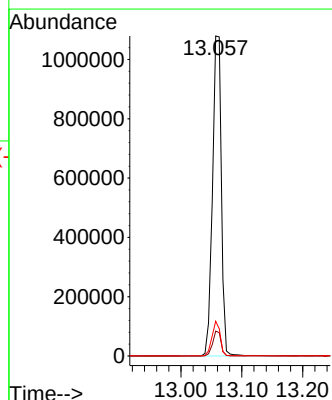
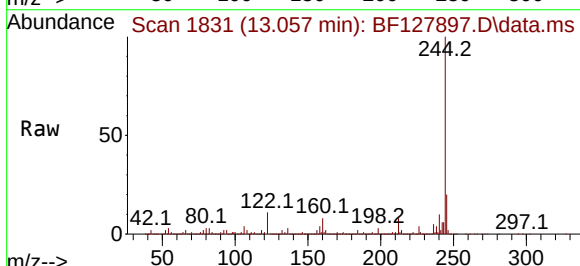
Tgt Ion:244 Resp: 1093413

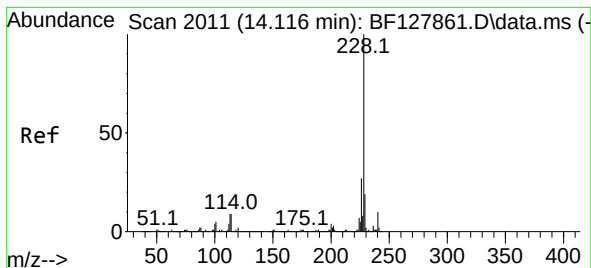
Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.4

122 10.9 8.6 12.8





#81

Benzo(a)anthracene

Concen: 2.132 ng

RT: 14.145 min Scan# 2016

Delta R.T. 0.030 min

Lab File: BF127897.D

Acq: 25 Apr 2022 23:11

Instrument :

BNA_F

ClientSampleId :

CL-02-042222

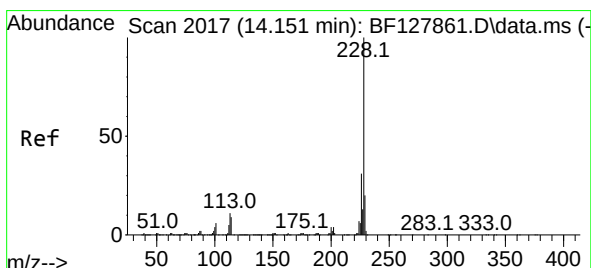
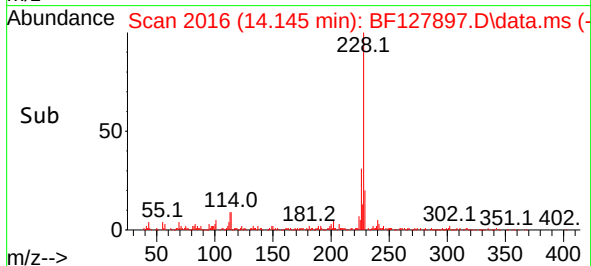
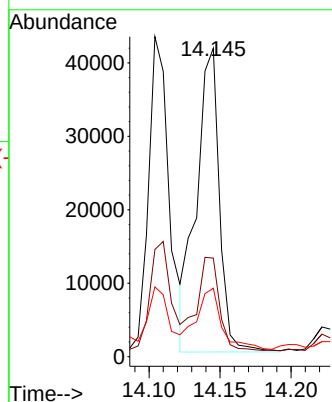
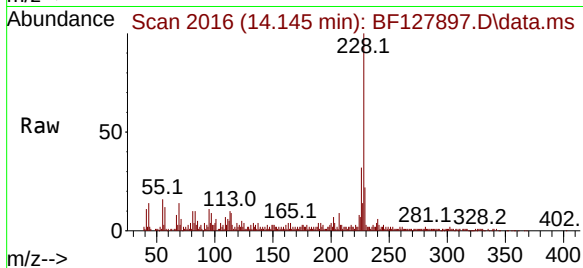
Tgt Ion:228 Resp: 46749

Ion Ratio Lower Upper

228 100

226 31.9 21.7 32.5

229 22.2 15.4 23.2



#83

Chrysene

Concen: 2.232 ng

RT: 14.145 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF127897.D

Acq: 25 Apr 2022 23:11

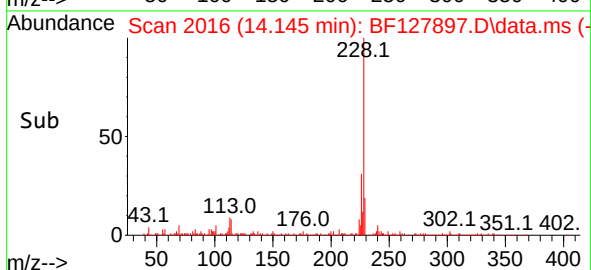
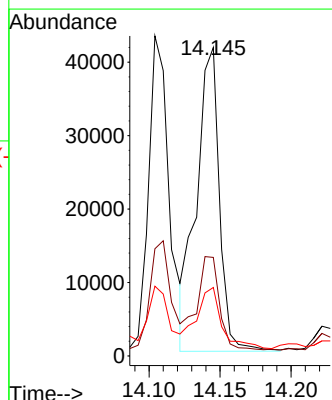
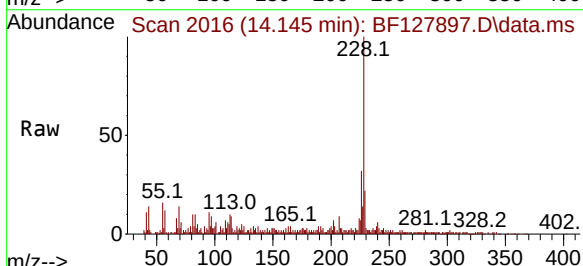
Tgt Ion:228 Resp: 46749

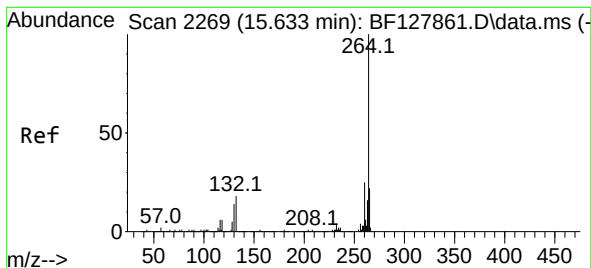
Ion Ratio Lower Upper

228 100

226 31.9 24.4 36.6

229 22.2 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127897.D

Acq: 25 Apr 2022 23:11

Instrument :

BNA_F

ClientSampleId :

CL-02-042222

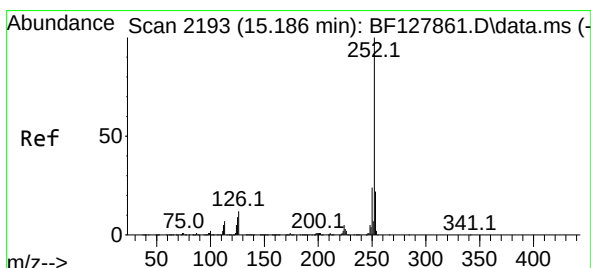
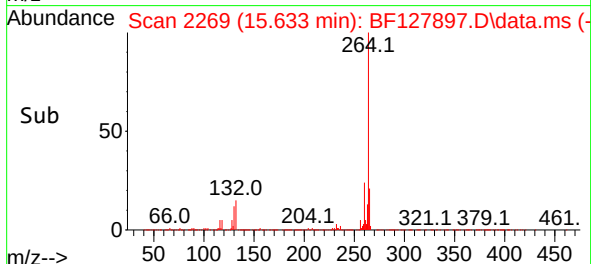
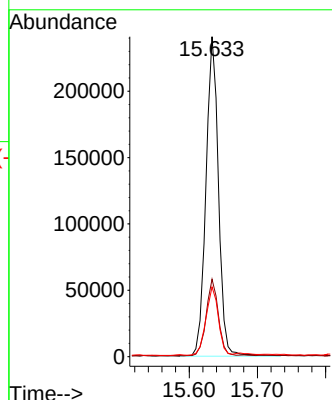
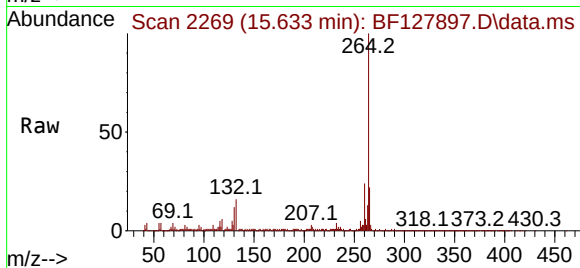
Tgt Ion:264 Resp: 307440

Ion Ratio Lower Upper

264 100

260 24.2 20.1 30.1

265 21.8 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 4.907 ng

RT: 15.180 min Scan# 2192

Delta R.T. -0.006 min

Lab File: BF127897.D

Acq: 25 Apr 2022 23:11

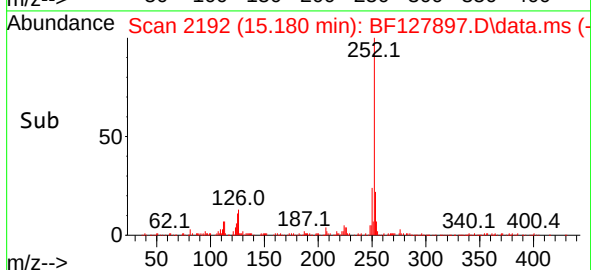
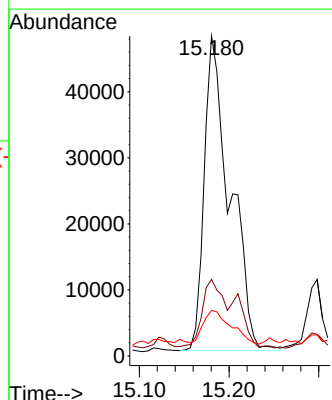
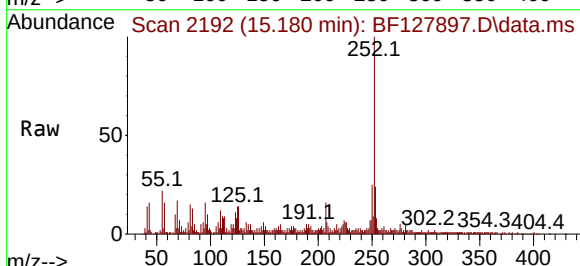
Tgt Ion:252 Resp: 94754

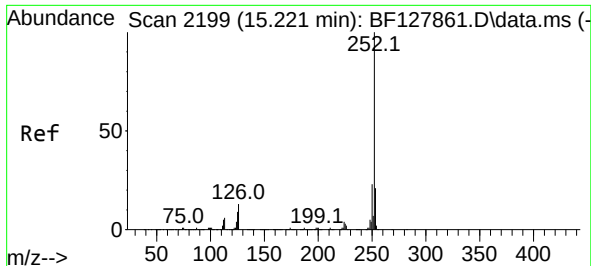
Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.2

125 14.3 7.4 11.2#

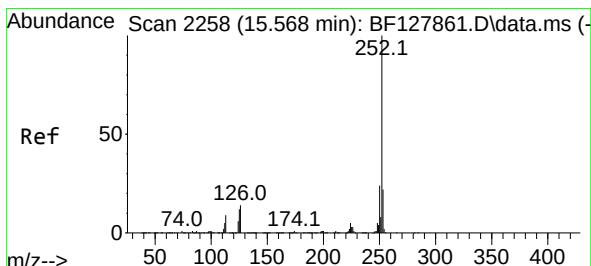
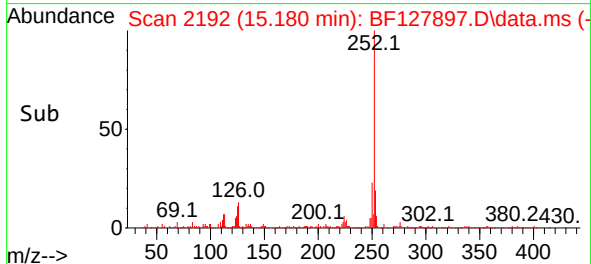
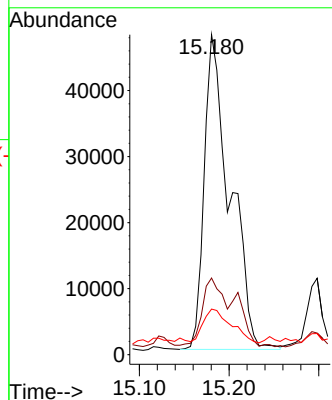
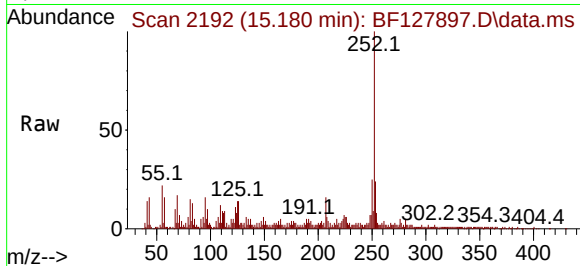




#89
Benzo(k)fluoranthene
Concen: 4.871 ng
RT: 15.180 min Scan# 2199
Delta R.T. -0.041 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Instrument :
BNA_F
ClientSampleId :
CL-02-042222

Tgt Ion:252 Resp: 94754
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 14.3 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 2.851 ng
RT: 15.563 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF127897.D
Acq: 25 Apr 2022 23:11

Tgt Ion:252 Resp: 45668
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.6
125 14.4 9.2 13.8#

