

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129195.D
 Acq On : 12 Jul 2022 18:18
 Operator : CG\JU
 Sample : N3648-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP1-0708

Quant Time: Jul 12 18:39:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 14:13:54 2022
 Response via : Initial Calibration

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

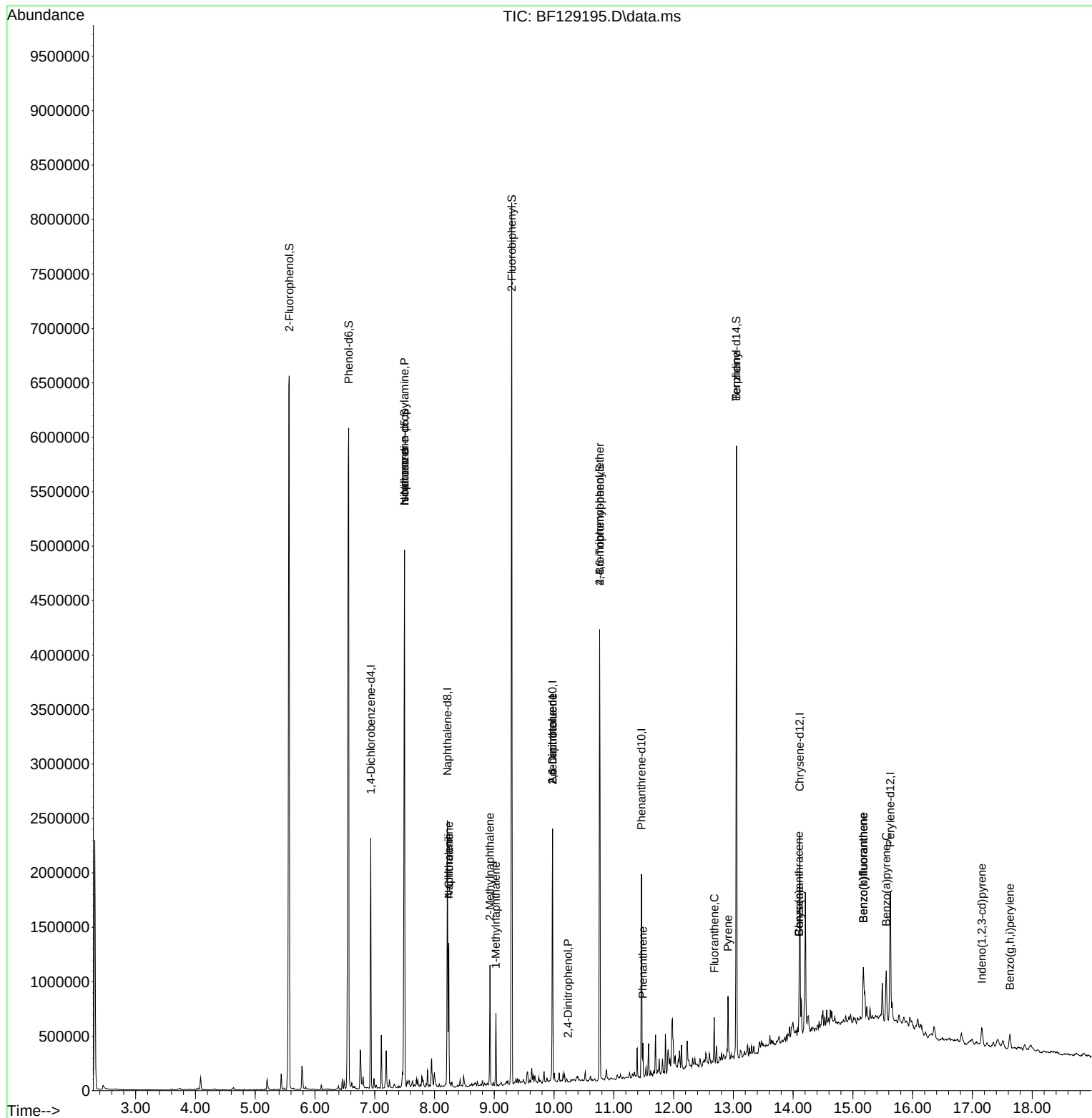
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	321418	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	971583	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	435460	20.000	ng	0.00
64) Phenanthrene-d10	11.463	188	632935	20.000	ng	# 0.00
76) Chrysene-d12	14.110	240	535246	20.000	ng	#-0.01
86) Perylene-d12	15.627	264	515943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	2062142	108.467	ng	0.00
7) Phenol-d6	6.563	99	2612368	110.638	ng	0.00
23) Nitrobenzene-d5	7.498	82	1645709	101.032	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	486647	102.777	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	2276018	83.616	ng	0.00
79) Terphenyl-d14	13.051	244	1828460	70.940	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	3500	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.498	70	220647	16.154	ng	# 73
25) Isophorone	7.498	82	1636340	59.440	ng	# 65
31) Naphthalene	8.240	128	577292	13.088	ng	99
33) 4-Chloroaniline	8.240	127	73654	4.144	ng	# 31
37) 2-Methylnaphthalene	8.928	142	250150	8.428	ng	99
38) 1-Methylnaphthalene	9.028	142	149681	5.193	ng	97
51) 2,6-Dinitrotoluene	9.975	165	58657	10.537	ng	# 26
54) 2,4-Dinitrophenol	10.233	184	154	6.913	ng	96
57) 2,4-Dinitrotoluene	9.975	165	58657	8.535	ng	# 22
67) 4-Bromophenyl-phenylether	10.763	248	29552	4.389	ng	# 1
71) Phenanthrene	11.486	178	96324	3.185	ng	99
75) Fluoranthene	12.680	202	145681	4.606	ng	98
77) Benzidine	13.051	184	25189	2.643	ng	# 89
78) Pyrene	12.910	202	181575	4.894	ng	98
81) Benzo(a)anthracene	14.098	228	150736	4.612	ng	96
83) Chrysene	14.098	228	150736	4.968	ng	97
87) Indeno(1,2,3-cd)pyrene	17.157	276	110230	3.483	ng	97
88) Benzo(b)fluoranthene	15.174	252	367711	11.851	ng	# 95
89) Benzo(k)fluoranthene	15.174	252	367711	12.218	ng	# 95
90) Benzo(a)pyrene	15.557	252	216315	8.552	ng	# 96
92) Benzo(g,h,i)perylene	17.627	276	106169	4.102	ng	97

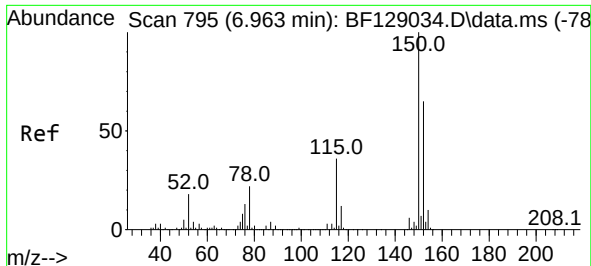
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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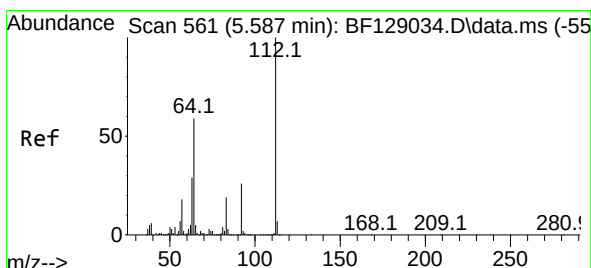
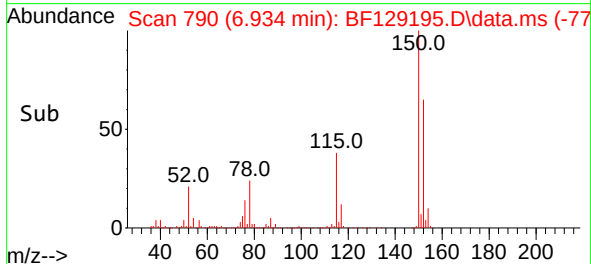
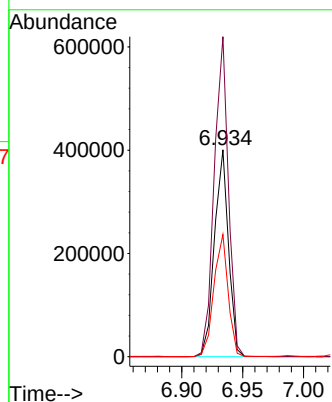
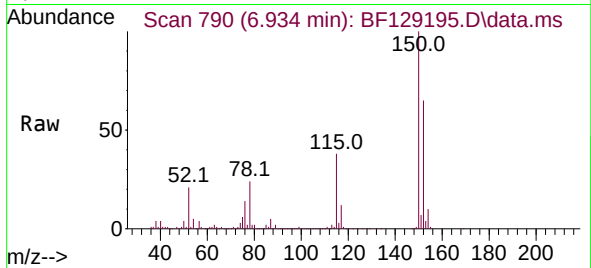




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

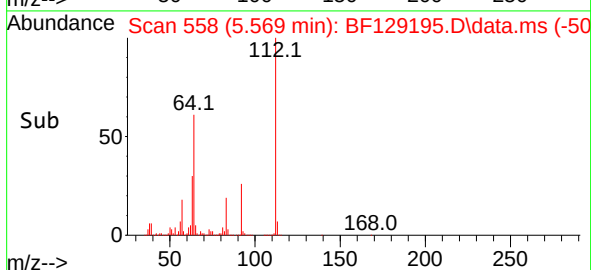
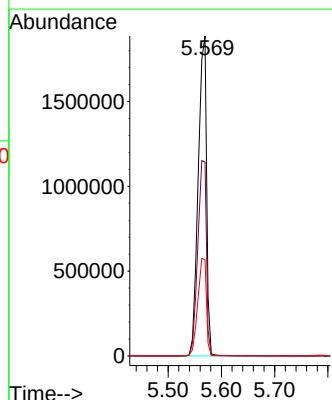
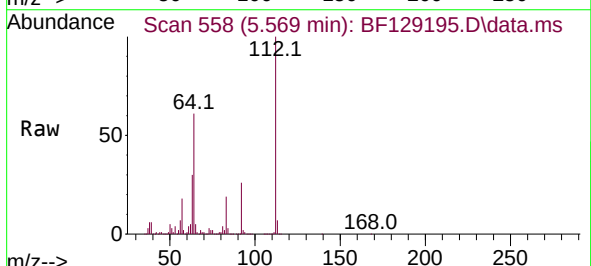
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

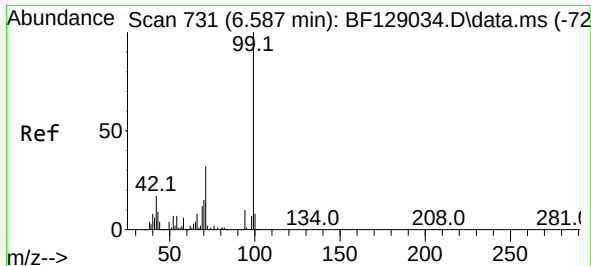
Tgt Ion:152 Resp: 321418
Ion Ratio Lower Upper
152 100
150 154.7 123.7 185.5
115 59.1 49.9 74.9



#5
2-Fluorophenol
Concen: 108.467 ng
RT: 5.569 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

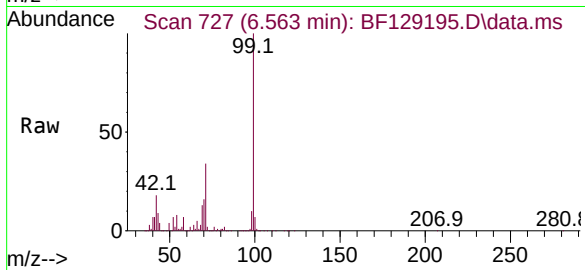
Tgt Ion:112 Resp: 2062142
Ion Ratio Lower Upper
112 100
64 60.6 53.3 79.9
63 30.1 28.0 42.0





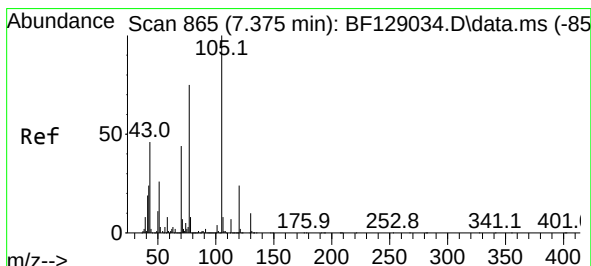
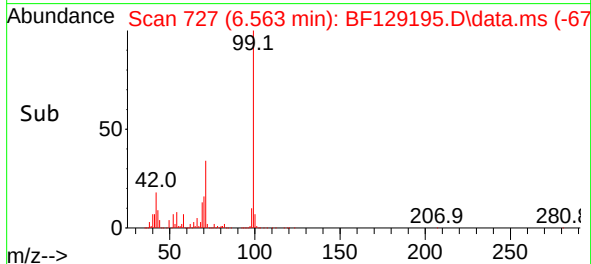
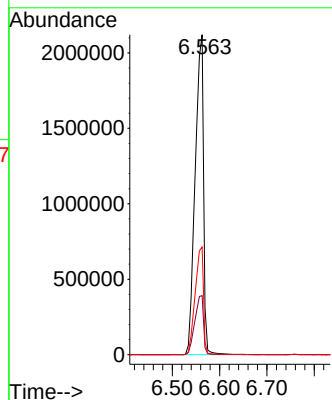
#7
Phenol-d6
Concen: 110.638 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708



Tgt Ion: 99 Resp: 2612368

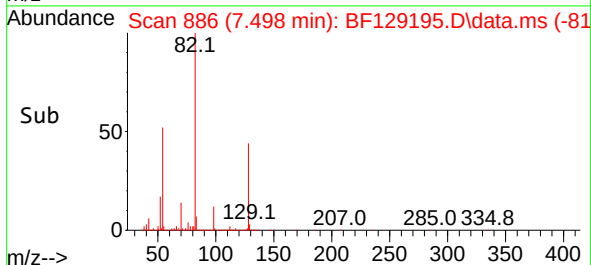
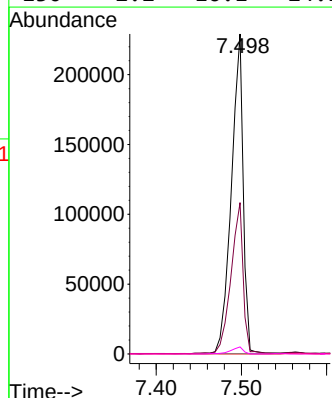
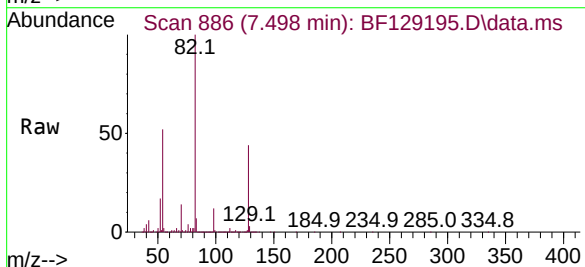
Ion	Ratio	Lower	Upper
99	100		
42	18.4	17.3	25.9
71	33.7	28.9	43.3

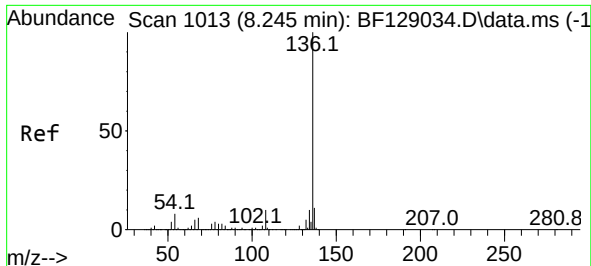


#19
n-Nitroso-di-n-propylamine
Concen: 16.154 ng
RT: 7.498 min Scan# 886
Delta R.T. 0.147 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion: 70 Resp: 220647

Ion	Ratio	Lower	Upper
70	100		
42	47.3	52.3	78.5#
101	0.0	7.5	11.3#
130	2.2	16.1	24.1#



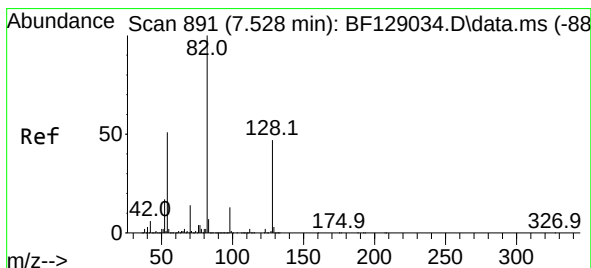
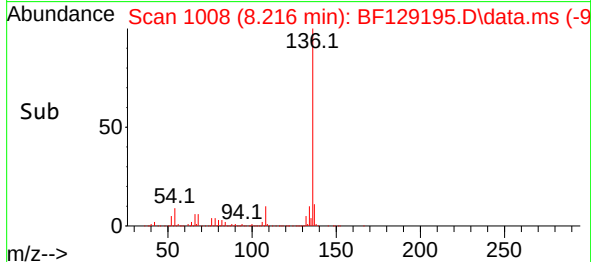
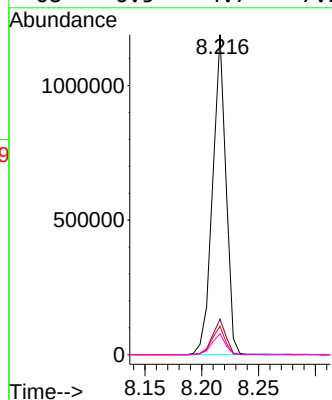
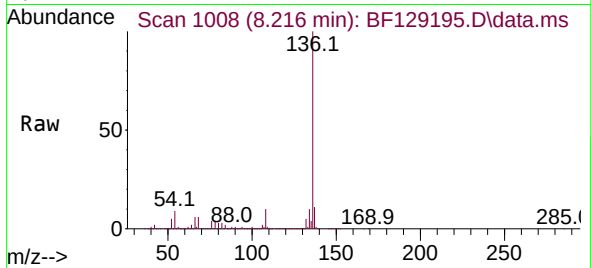


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

Tgt Ion:136 Resp: 971583

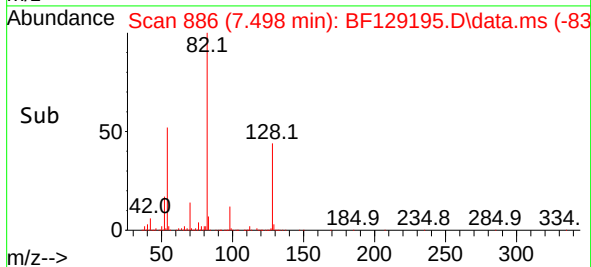
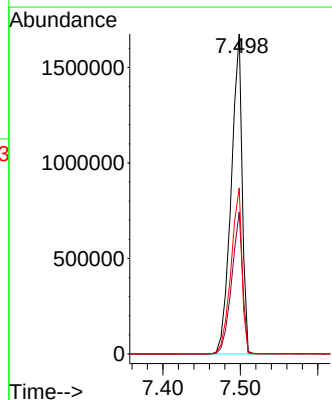
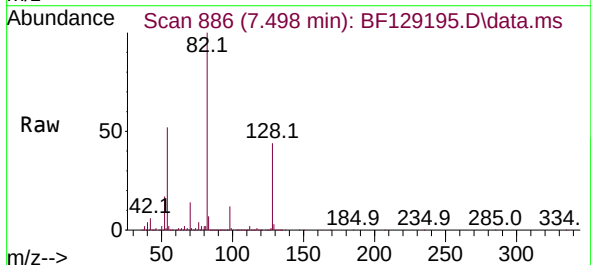
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.9	7.5	11.3
68	6.5	4.7	7.1

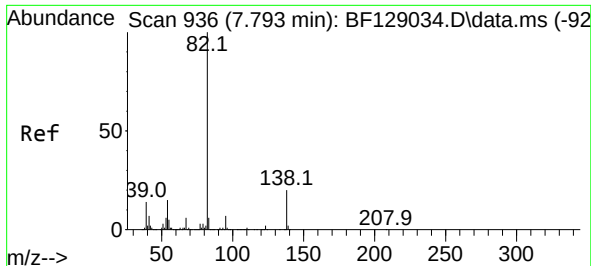


#23
Nitrobenzene-d5
Concen: 101.032 ng
RT: 7.498 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion: 82 Resp: 1645709

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.0	51.0
54	51.9	46.9	70.3

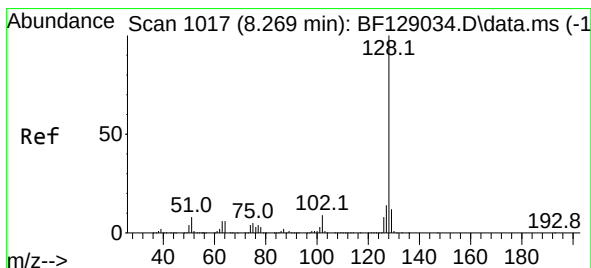
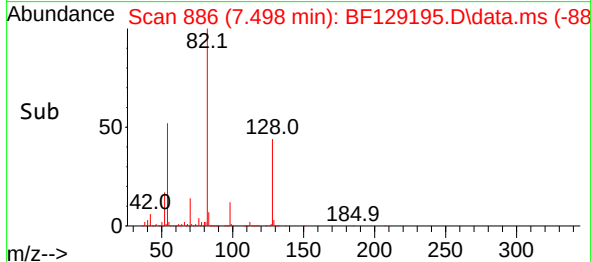
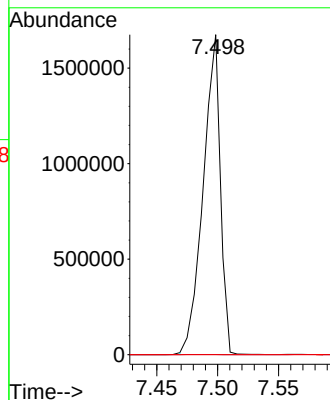
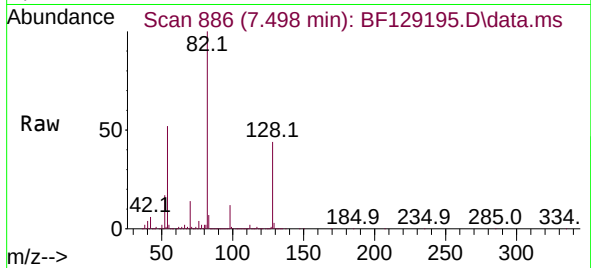




#25
Isophorone
Concen: 59.440 ng
RT: 7.498 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

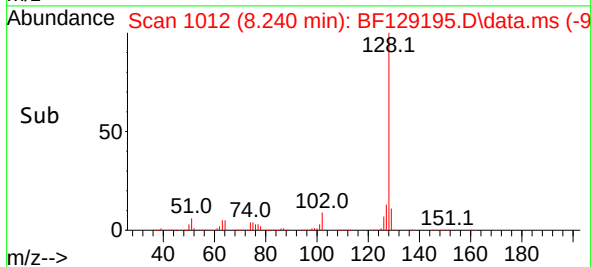
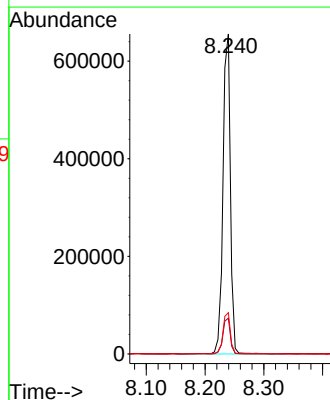
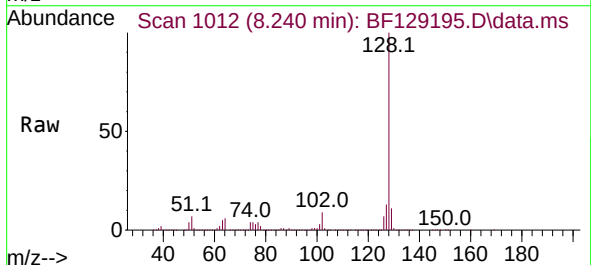
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

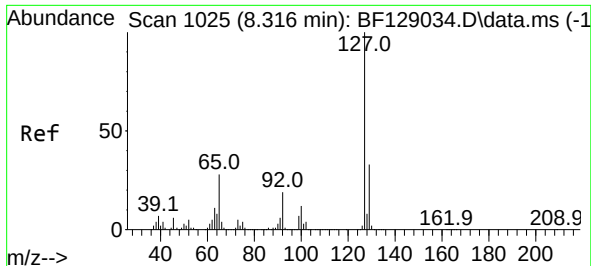
Tgt Ion: 82 Resp: 1636340
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 13.088 ng
RT: 8.240 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion: 128 Resp: 577292
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.9 10.5 15.7

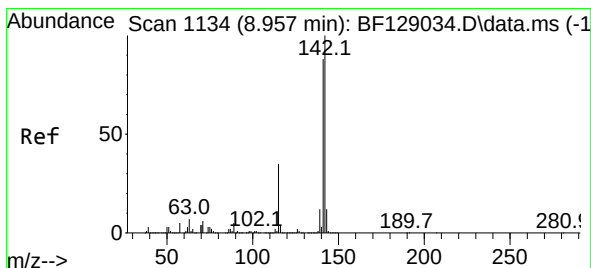
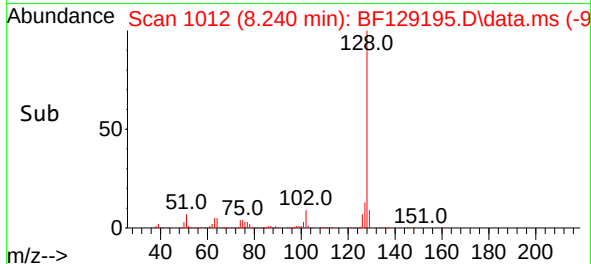
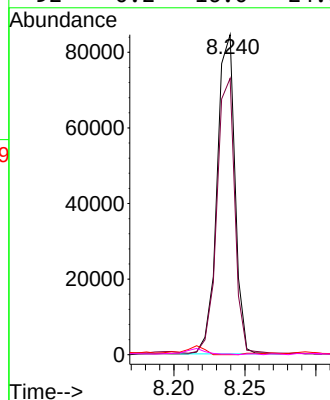
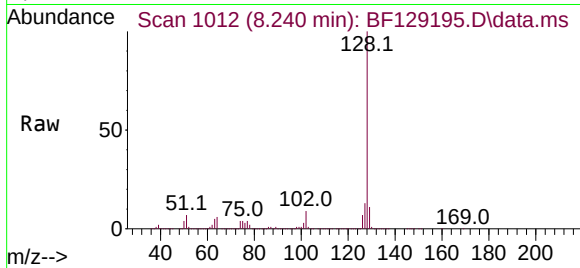




#33
4-Chloroaniline
Concen: 4.144 ng
RT: 8.240 min Scan# 1025
Delta R.T. -0.053 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

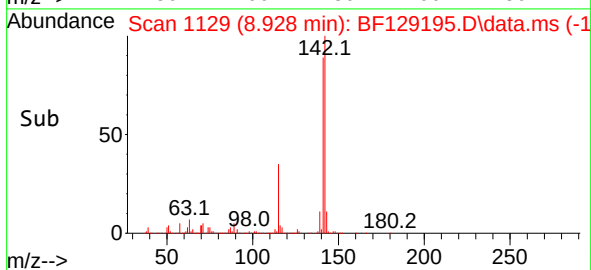
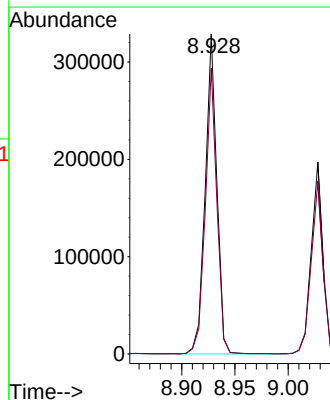
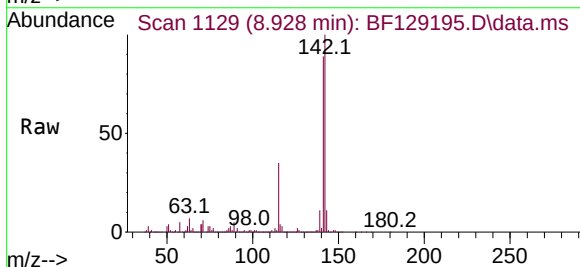
Instrument :
BNA_F
ClientSampleId :
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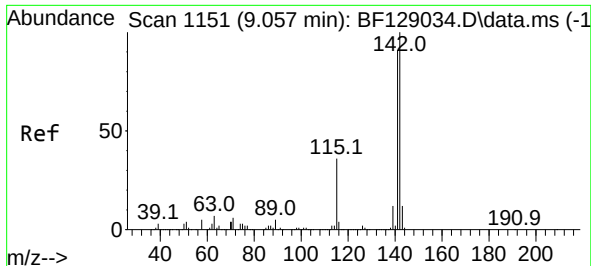
Tgt Ion:	127	Resp:	73654
Ion	Ratio	Lower	Upper
127	100		
129	86.3	26.4	39.6#
65	0.0	26.4	39.6#
92	0.2	16.0	24.0#



#37
2-Methylnaphthalene
Concen: 8.428 ng
RT: 8.928 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:	142	Resp:	250150
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.0	106.4





#38

1-Methylnaphthalene

Concen: 5.193 ng

RT: 9.028 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

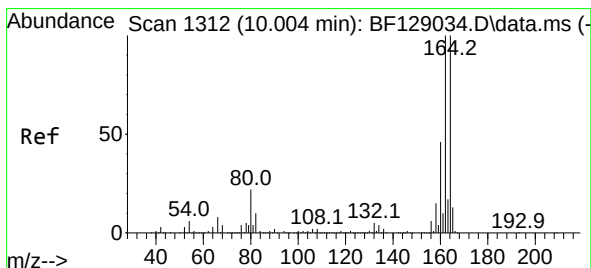
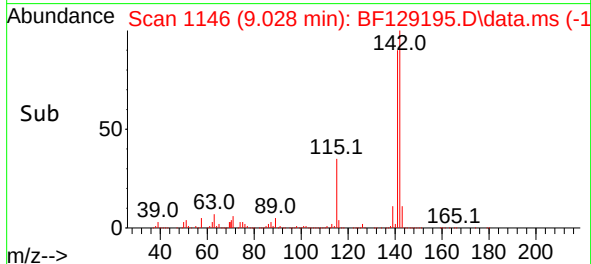
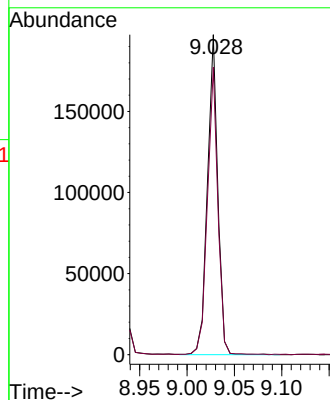
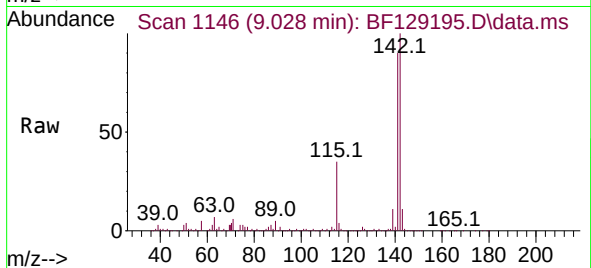
CMR-TP1-0708

Tgt Ion:142 Resp: 149681

Ion Ratio Lower Upper

142 100

141 89.8 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1307

Delta R.T. -0.006 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

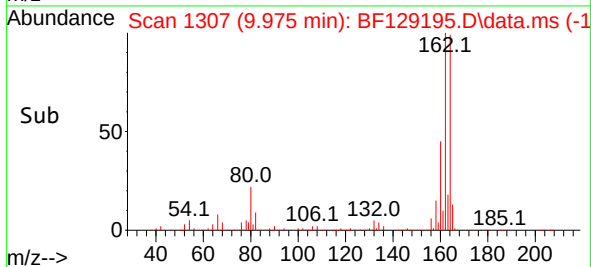
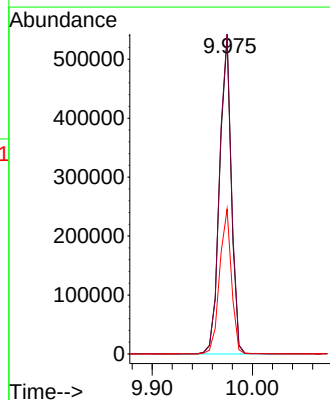
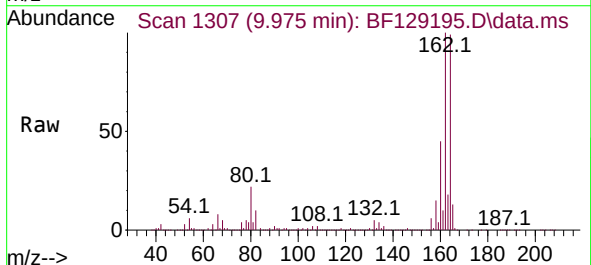
Tgt Ion:164 Resp: 435460

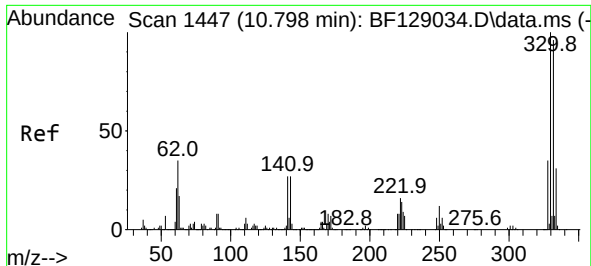
Ion Ratio Lower Upper

164 100

162 101.0 79.5 119.3

160 45.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 102.777 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

CMR-TP1-0708

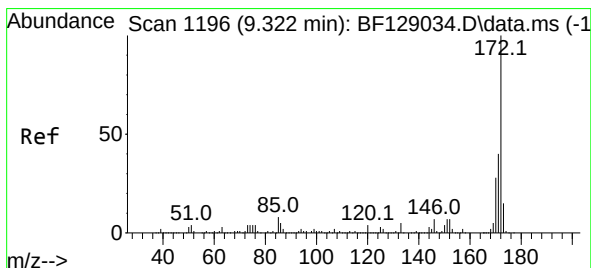
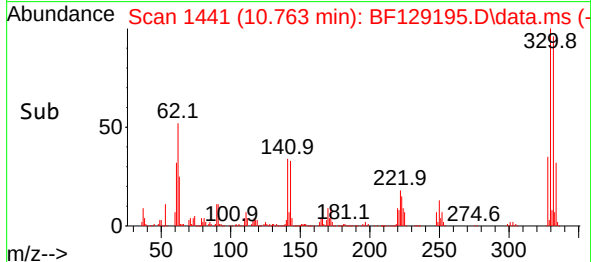
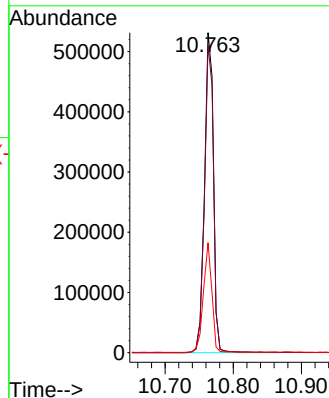
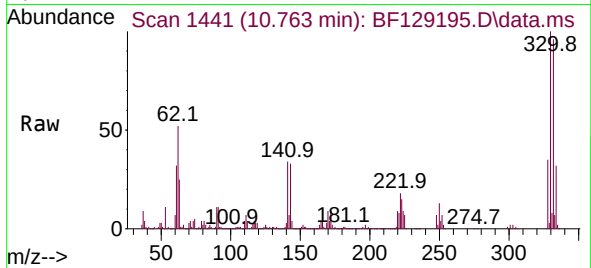
Tgt Ion:330 Resp: 486647

Ion Ratio Lower Upper

330 100

332 96.3 76.8 115.2

141 32.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 83.616 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF129195.D

Acq: 12 Jul 2022 18:18

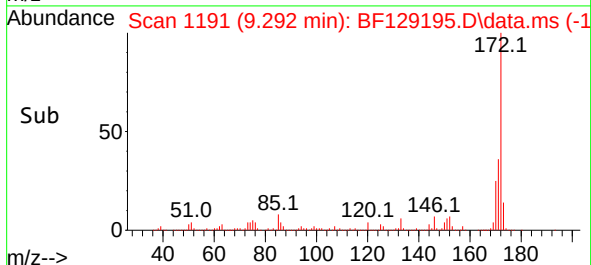
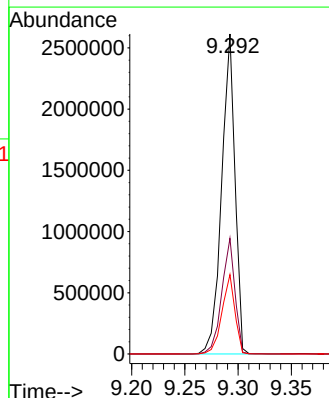
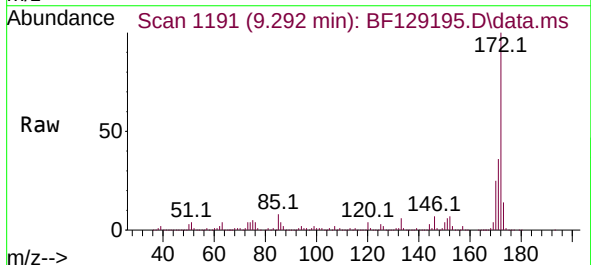
Tgt Ion:172 Resp: 2276018

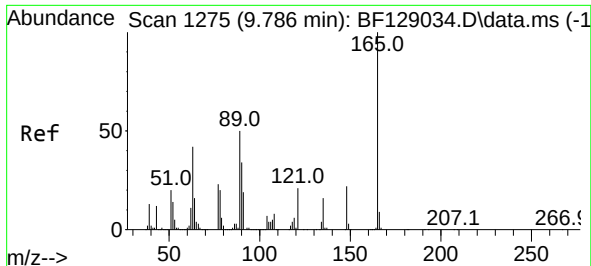
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 24.8 19.8 29.8

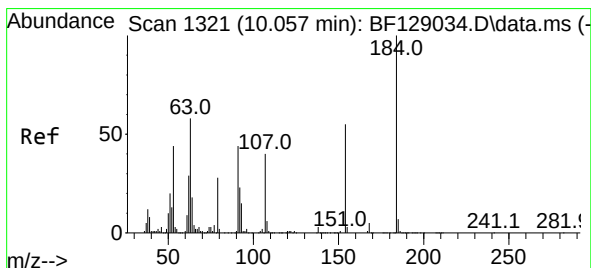
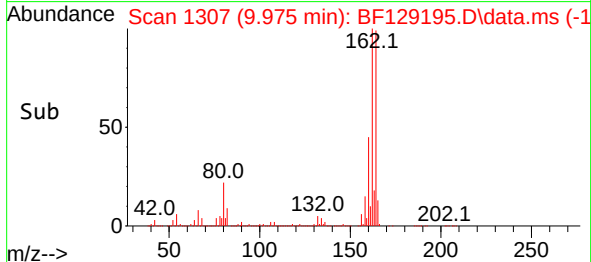
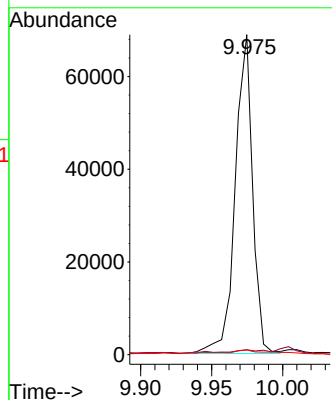
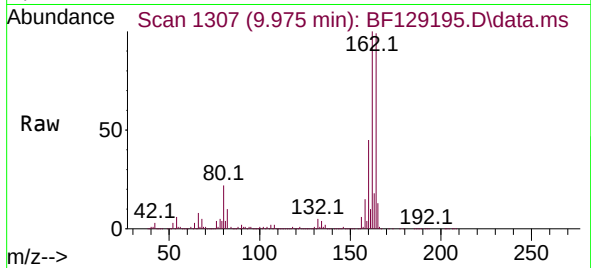




#51
2,6-Dinitrotoluene
Concen: 10.537 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

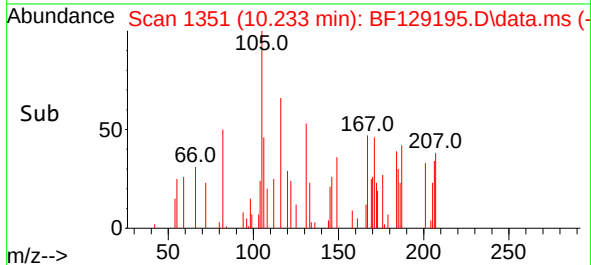
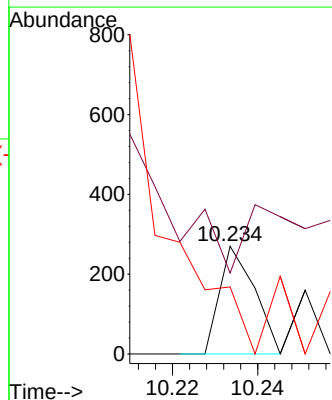
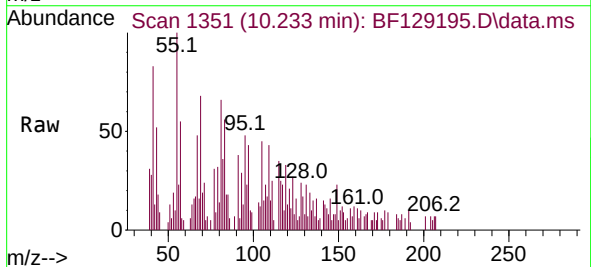
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

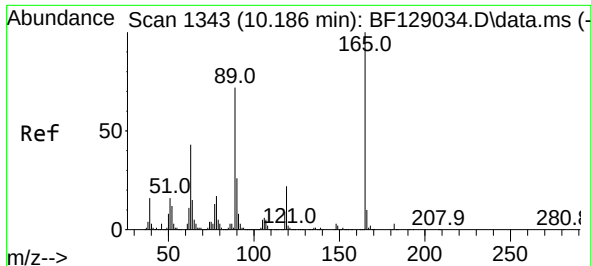
Tgt Ion:165 Resp: 58657
Ion Ratio Lower Upper
165 100
63 1.5 44.9 67.3#
89 1.5 43.6 65.4#



#54
2,4-Dinitrophenol
Concen: 6.913 ng
RT: 10.233 min Scan# 1351
Delta R.T. 0.194 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:184 Resp: 154
Ion Ratio Lower Upper
184 100
63 75.2 64.5 96.7
154 62.2 50.6 75.8

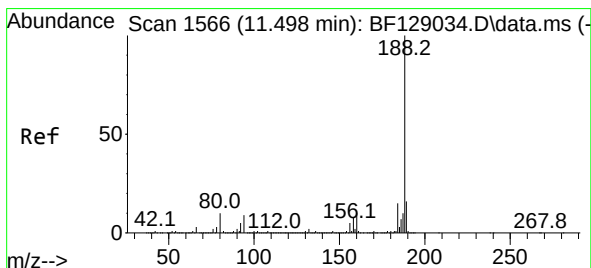
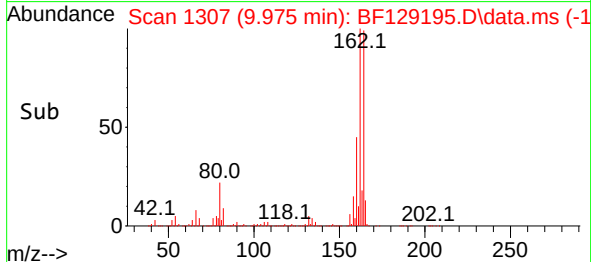
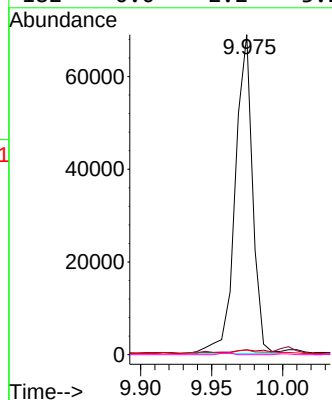
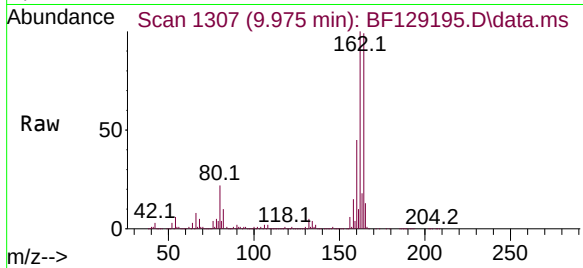




#57
2,4-Dinitrotoluene
Concen: 8.535 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

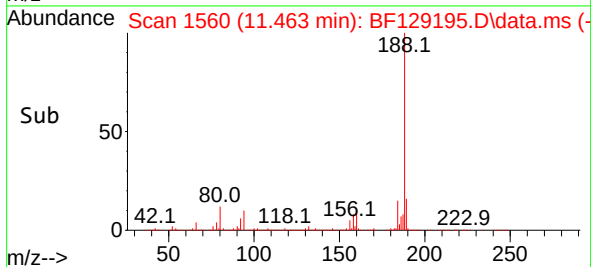
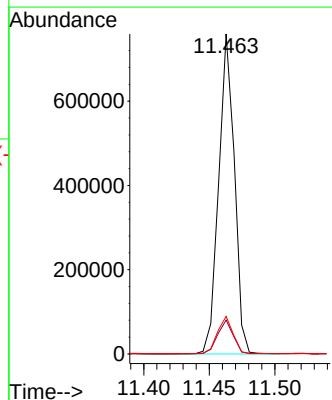
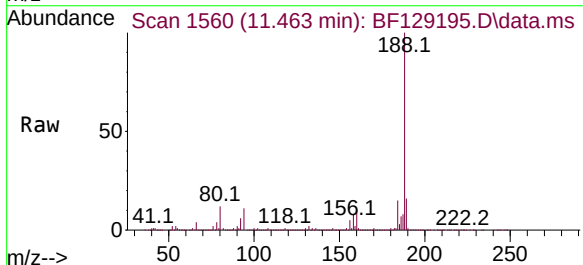
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

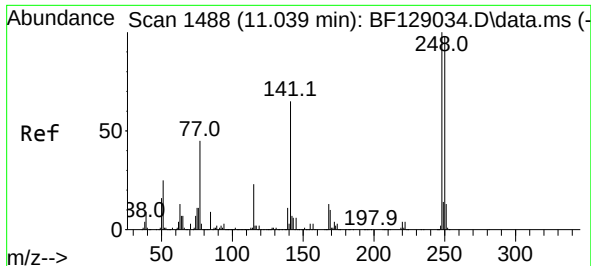
Tgt Ion:165 Resp: 58657
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.5 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:188 Resp: 632935
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6#
80 11.8 7.6 11.4#

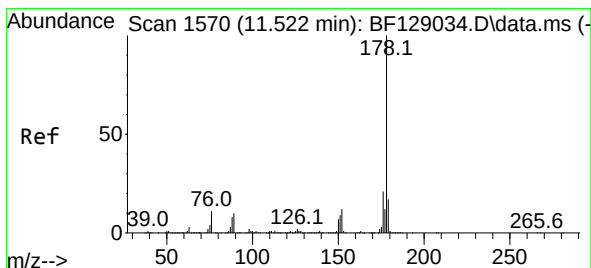
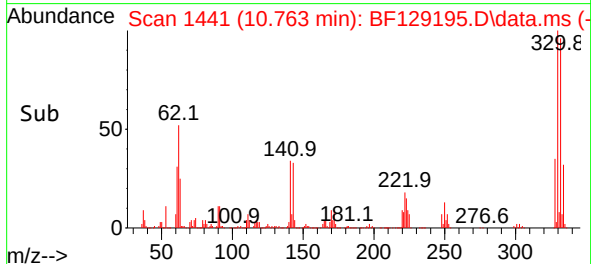
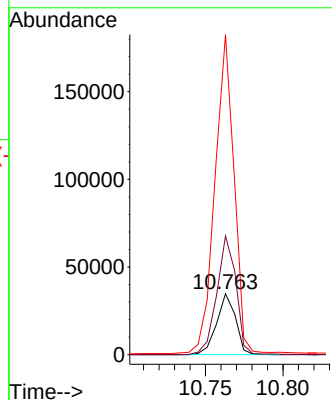
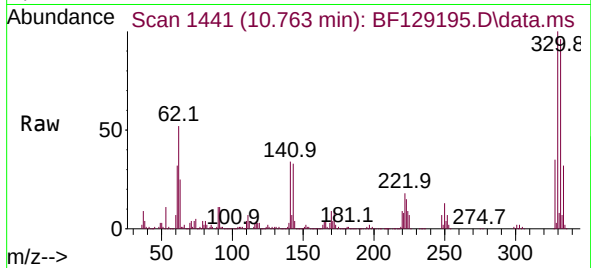




#67
4-Bromophenyl-phenylether
Concen: 4.389 ng
RT: 10.763 min Scan# 1488
Delta R.T. -0.247 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

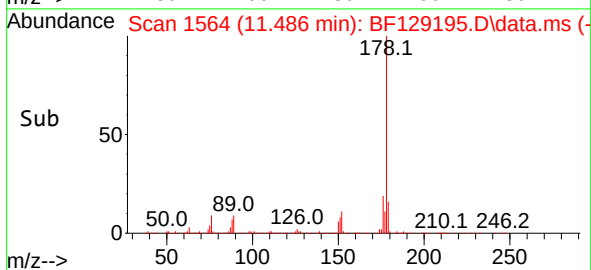
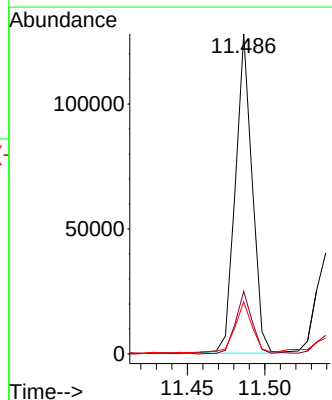
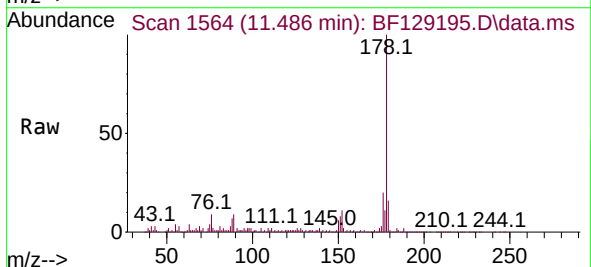
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

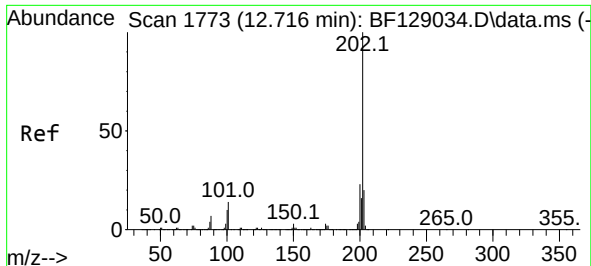
Tgt Ion:248 Resp: 29552
Ion Ratio Lower Upper
248 100
250 194.9 80.6 120.8#
141 524.9 58.9 88.3#



#71
Phenanthrene
Concen: 3.185 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:178 Resp: 96324
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.3 12.6 19.0

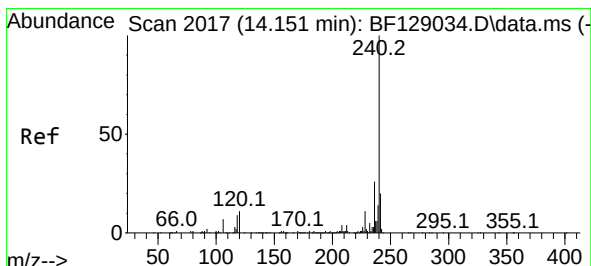
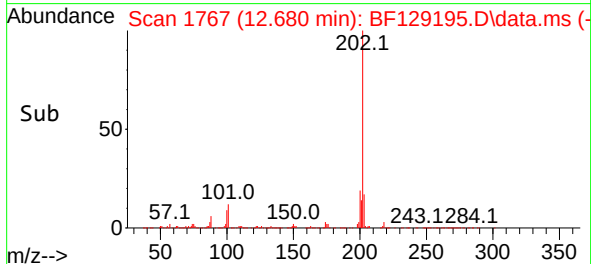
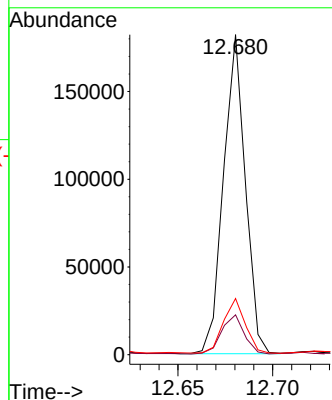
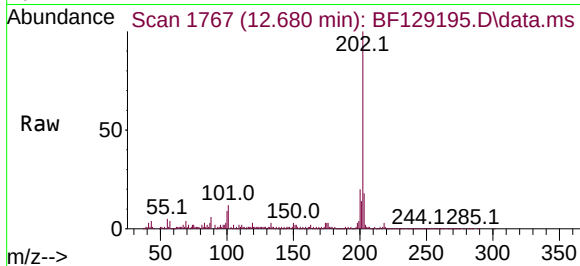




#75
Fluoranthene
Concen: 4.606 ng
RT: 12.680 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

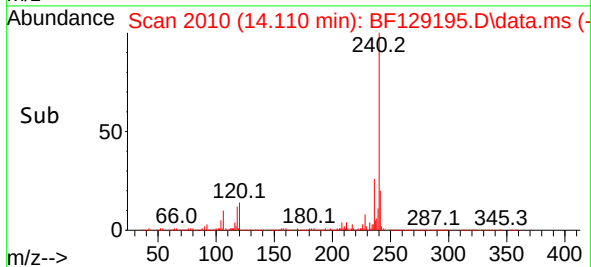
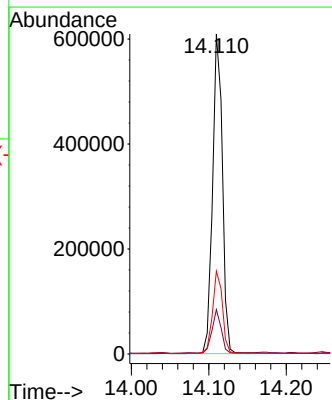
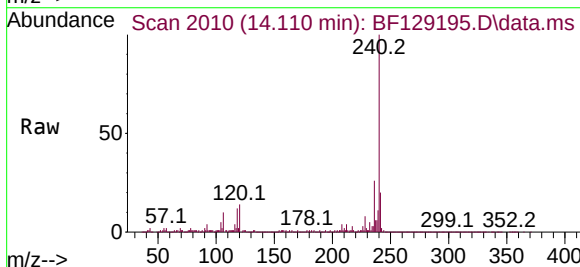
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

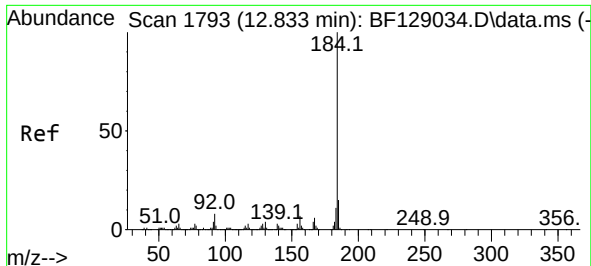
Tgt Ion:202 Resp: 145681
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 17.6 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:240 Resp: 535246
Ion Ratio Lower Upper
240 100
120 13.8 8.9 13.3#
236 25.9 20.8 31.2

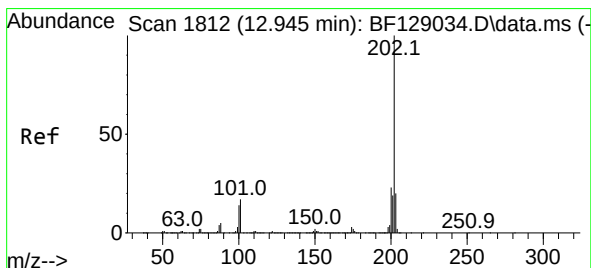
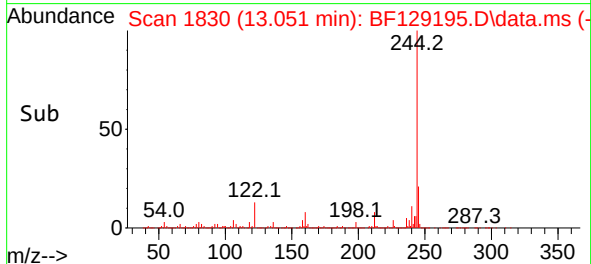
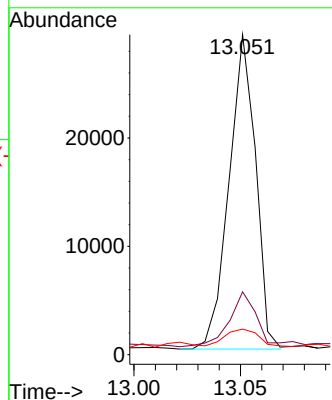
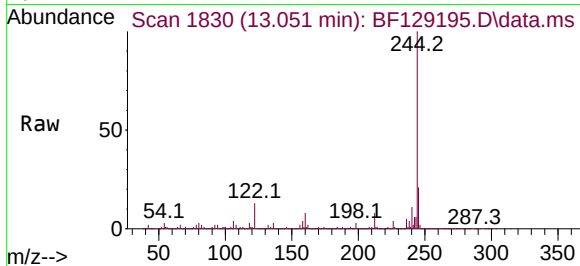




#77
Benzidine
Concen: 2.643 ng
RT: 13.051 min Scan# 1830
Delta R.T. 0.247 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

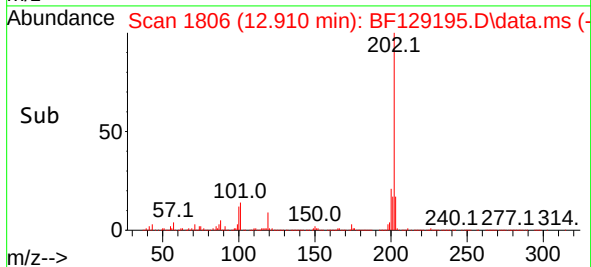
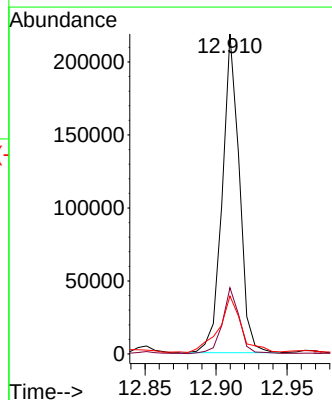
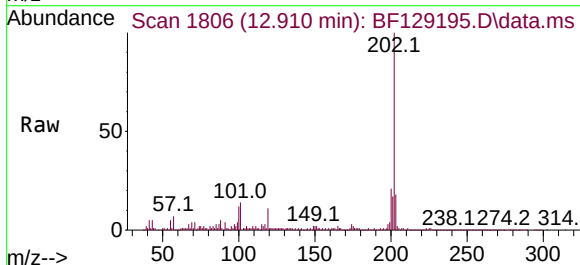
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

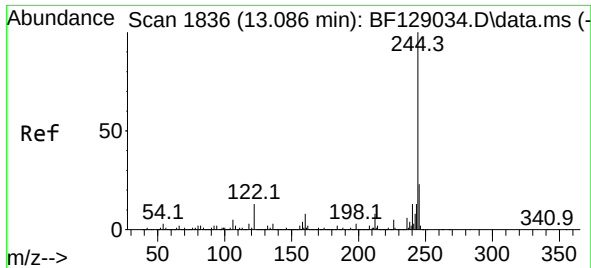
Tgt Ion:184 Resp: 25189
Ion Ratio Lower Upper
184 100
185 19.6 11.9 17.9#
183 8.0 9.3 13.9#



#78
Pyrene
Concen: 4.894 ng
RT: 12.910 min Scan# 1806
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:202 Resp: 181575
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 18.1 14.6 21.8

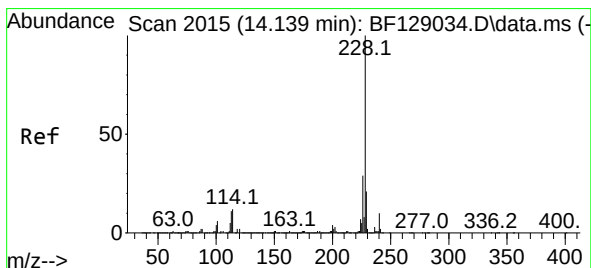
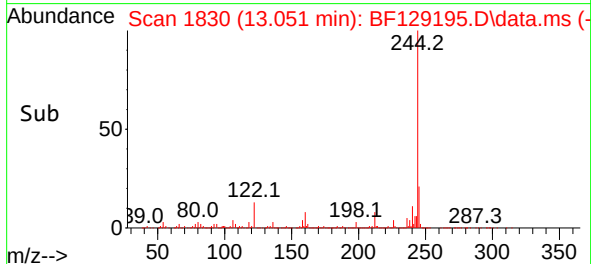
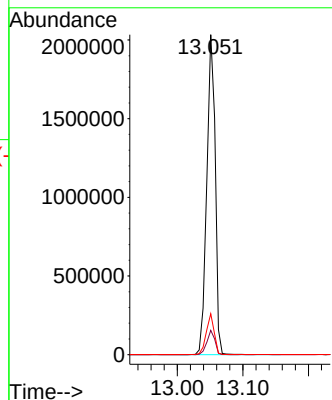
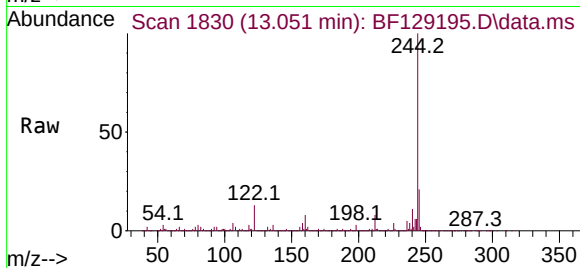




#79
 Terphenyl-d14
 Concen: 70.940 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129195.D
 Acq: 12 Jul 2022 18:18

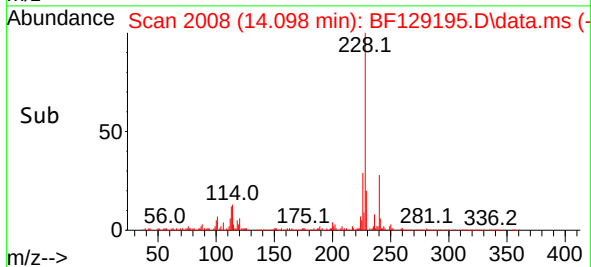
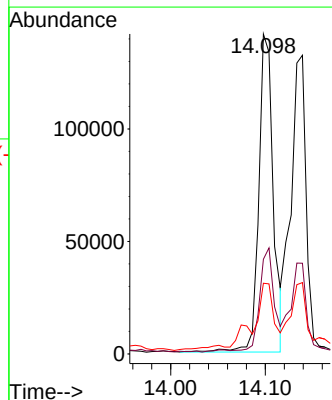
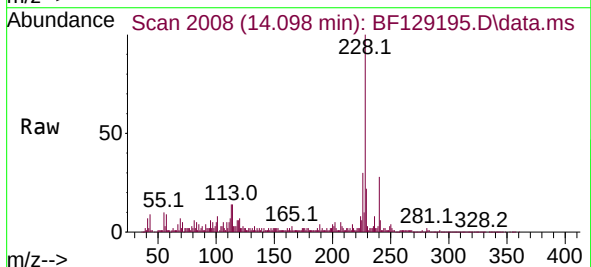
Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP1-0708

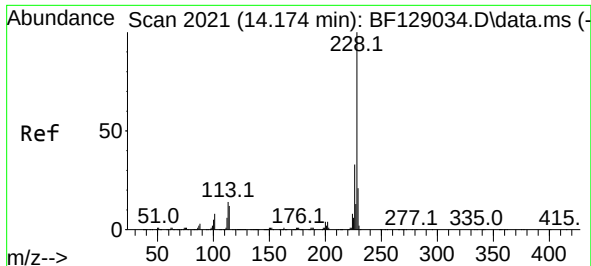
Tgt Ion:244 Resp: 1828460
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 12.8 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 4.612 ng
 RT: 14.098 min Scan# 2008
 Delta R.T. -0.012 min
 Lab File: BF129195.D
 Acq: 12 Jul 2022 18:18

Tgt Ion:228 Resp: 150736
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.1 33.1
 229 22.1 15.8 23.8

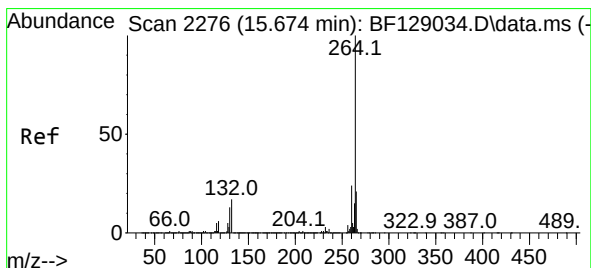
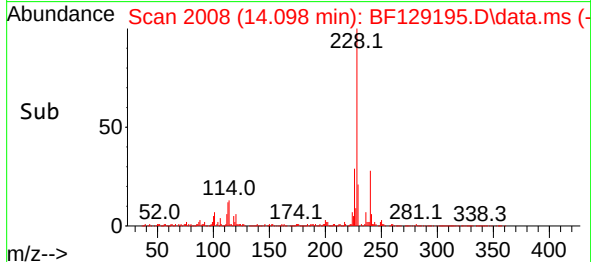
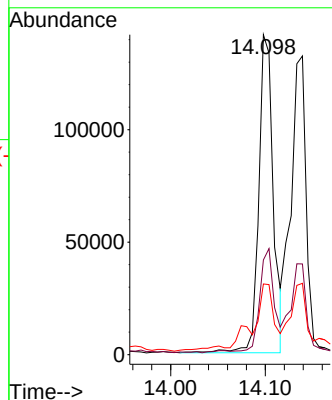
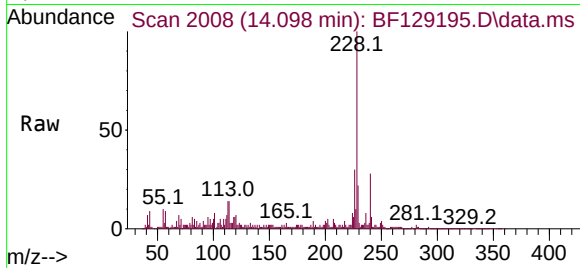




#83
Chrysene
Concen: 4.968 ng
RT: 14.098 min Scan# 2021
Delta R.T. -0.053 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

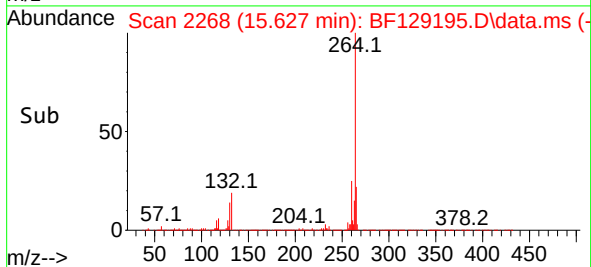
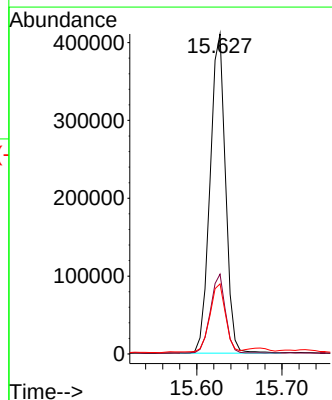
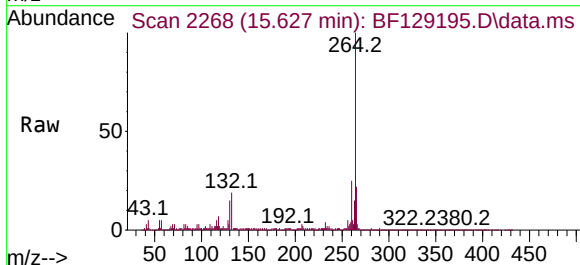
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

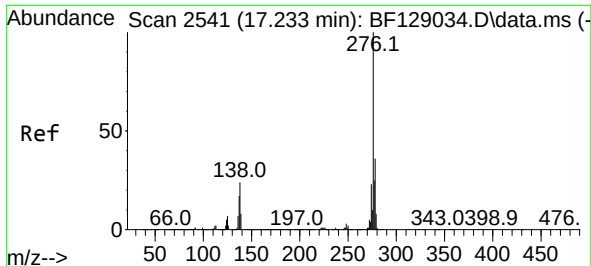
Tgt Ion:228 Resp: 150736
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 22.1 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:264 Resp: 515943
Ion Ratio Lower Upper
264 100
260 24.9 18.4 27.6
265 21.9 17.2 25.8

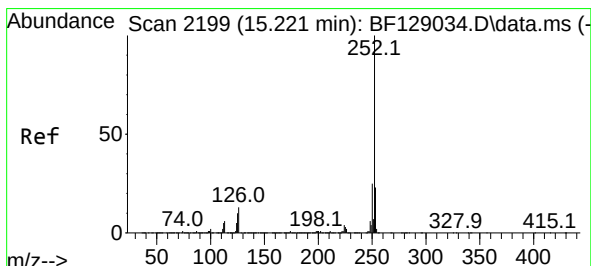
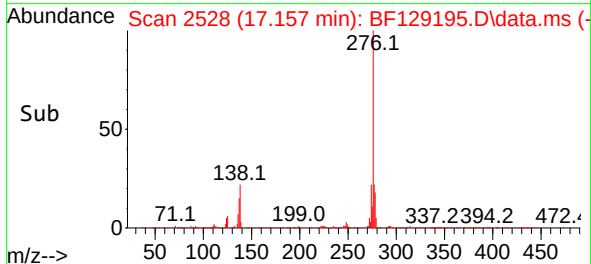
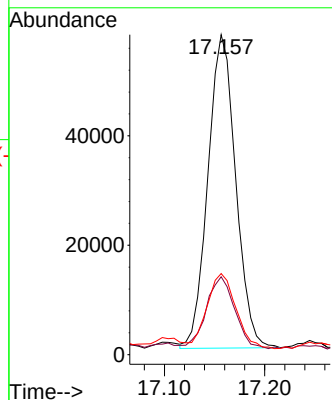
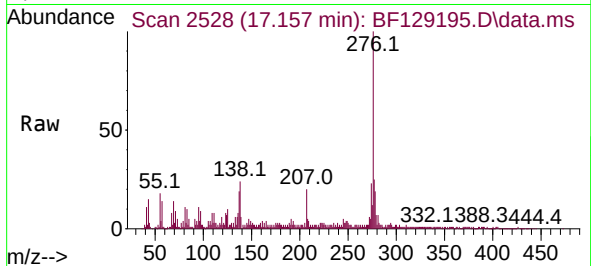




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.483 ng
RT: 17.157 min Scan# 2191
Delta R.T. -0.023 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

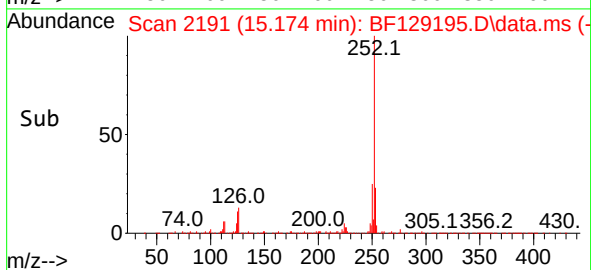
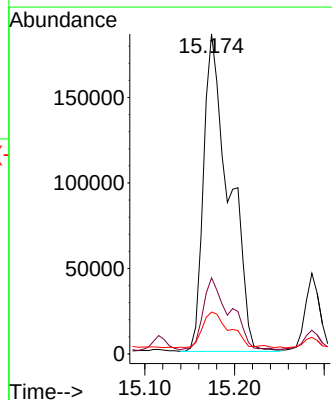
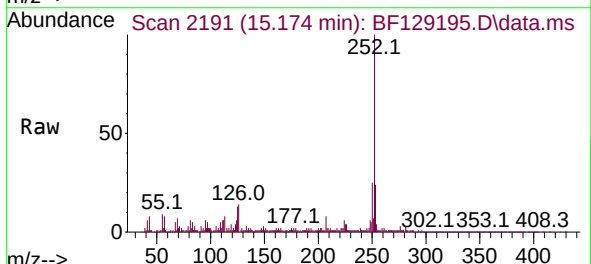
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

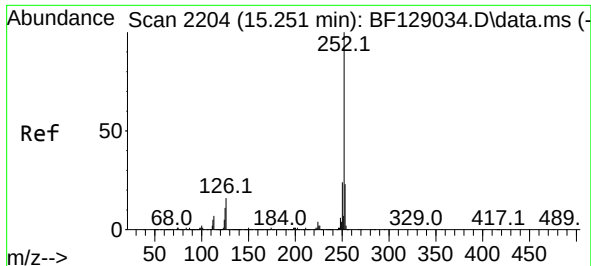
Tgt Ion:276 Resp: 110230
Ion Ratio Lower Upper
276 100
138 24.0 21.1 31.7
277 24.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 11.851 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:252 Resp: 367711
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 13.1 8.0 12.0#

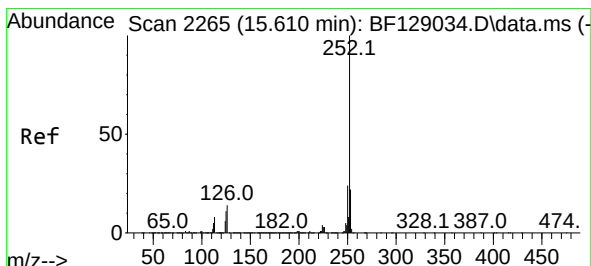
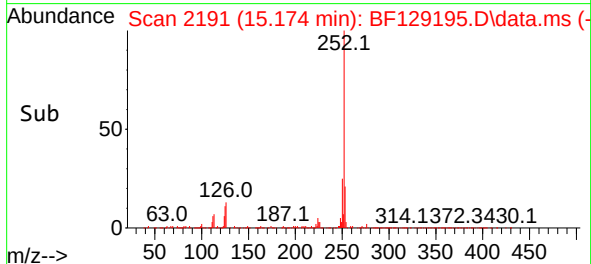
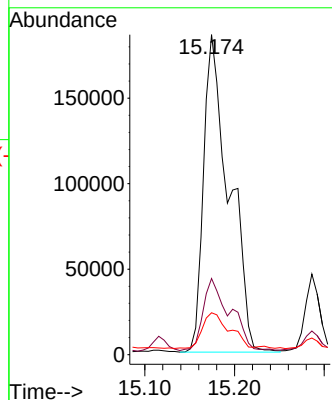
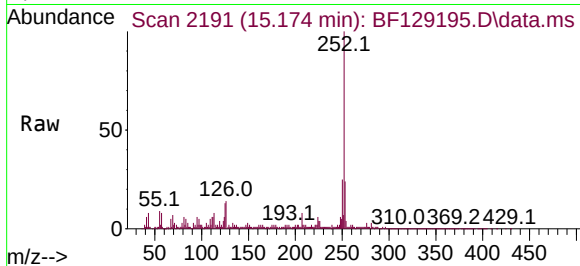




#89
Benzo(k)fluoranthene
Concen: 12.218 ng
RT: 15.174 min Scan# 2119
Delta R.T. -0.041 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

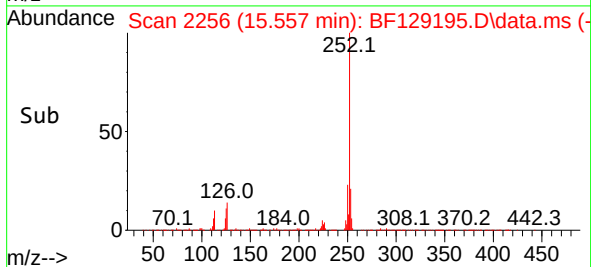
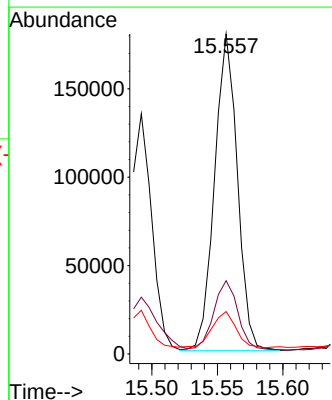
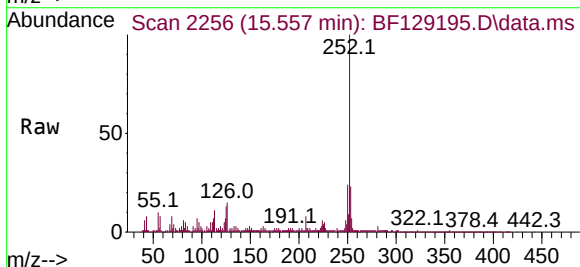
Instrument :
BNA_F
ClientSampleId :
CMR-TP1-0708

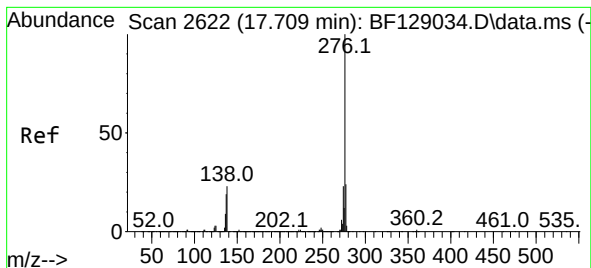
Tgt Ion:252 Resp: 367711
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 13.1 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 8.552 ng
RT: 15.557 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF129195.D
Acq: 12 Jul 2022 18:18

Tgt Ion:252 Resp: 216315
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 13.2 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 4.102 ng

RT: 17.627 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF129195.D

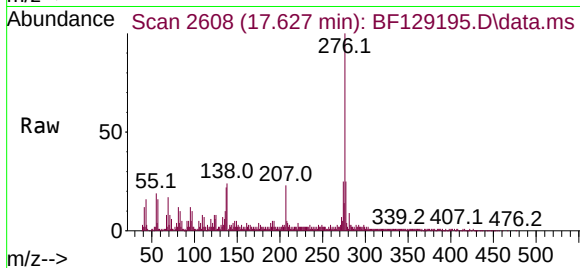
Acq: 12 Jul 2022 18:18

Instrument :

BNA_F

ClientSampleId :

CMR-TP1-0708



Tgt Ion:276 Resp: 106169

Ion Ratio Lower Upper

276 100

277 25.5 19.1 28.7

138 24.1 18.0 27.0

