

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129185.D
 Acq On : 12 Jul 2022 12:59
 Operator : CG\JU
 Sample : N3648-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP2-0708

Quant Time: Jul 12 14:16:27 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)

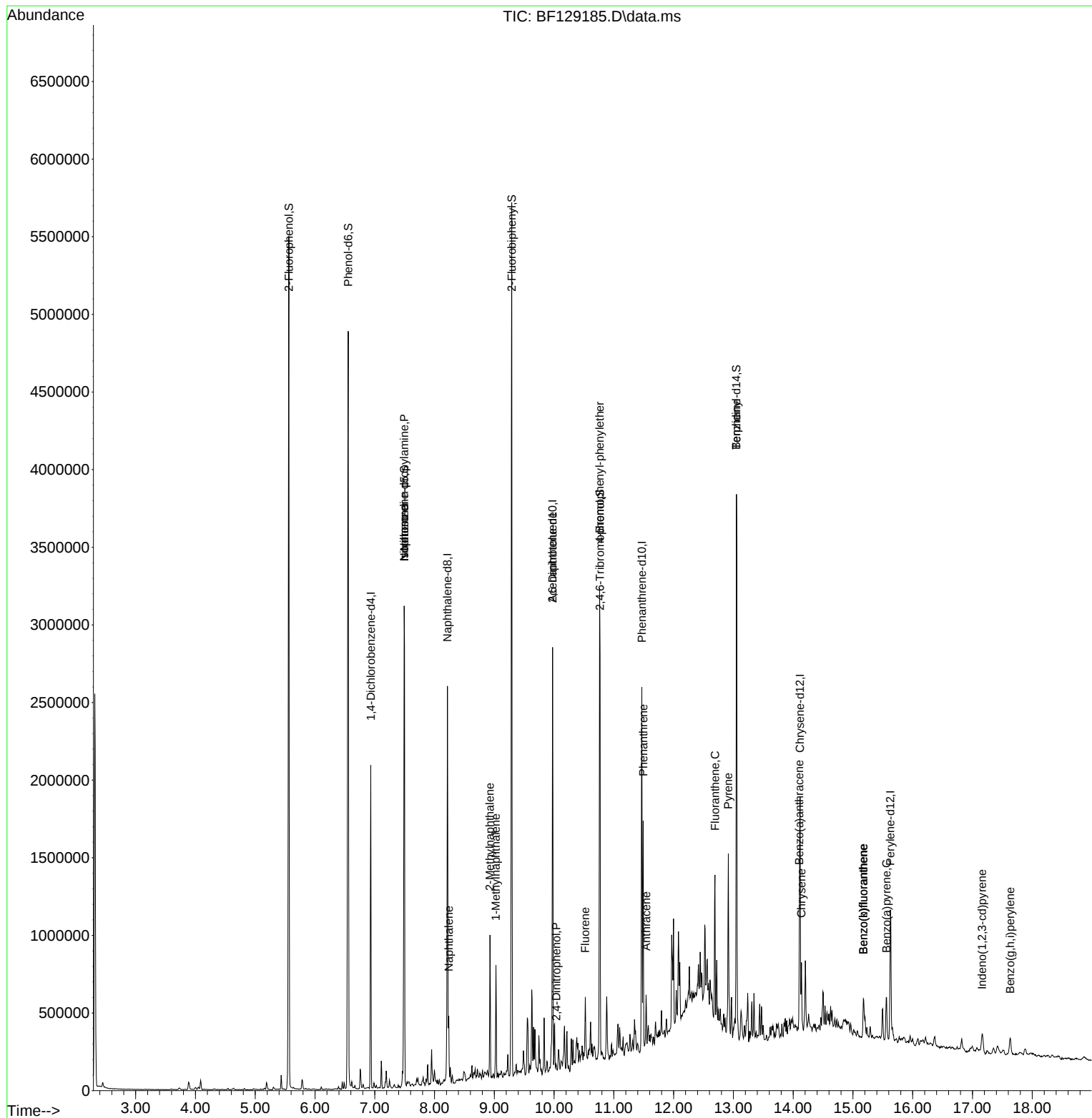
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	279789	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	1076977	20.000	ng	# 0.00
39) Acenaphthene-d10	9.975	164	504915	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	801266	20.000	ng	# 0.00
76) Chrysene-d12	14.115	240	441021	20.000	ng	0.00
86) Perylene-d12	15.627	264	386272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1391301	84.070	ng	0.00
7) Phenol-d6	6.557	99	1776928	86.453	ng	-0.01
23) Nitrobenzene-d5	7.492	82	1089234	60.325	ng	-0.01
42) 2,4,6-Tribromophenol	10.769	330	337653	61.501	ng	0.00
45) 2-Fluorobiphenyl	9.292	172	1604072	50.824	ng	0.00
79) Terphenyl-d14	13.051	244	1176540	55.400	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	1786	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.492	70	146376	12.311	ng	# 77
25) Isophorone	7.492	82	1080437	35.406	ng	# 65
31) Naphthalene	8.239	128	175595	3.592	ng	99
37) 2-Methylnaphthalene	8.928	142	222170	6.753	ng	98
38) 1-Methylnaphthalene	9.028	142	176145	5.513	ng	100
51) 2,6-Dinitrotoluene	9.975	165	74099	11.480	ng	# 26
54) 2,4-Dinitrophenol	10.039	184	62	6.882	ng	# 1
58) Fluorene	10.522	166	94700	3.030	ng	99
67) 4-Bromophenyl-phenylether	10.763	248	21106	2.476	ng	# 1
71) Phenanthrene	11.492	178	478307	12.494	ng	99
72) Anthracene	11.539	178	117032	3.101	ng	99
75) Fluoranthene	12.692	202	309593	7.732	ng	98
77) Benzidine	13.051	184	17985	2.290	ng	95
78) Pyrene	12.916	202	416291	13.618	ng	98
81) Benzo(a)anthracene	14.104	228	184685	6.858	ng	90
83) Chrysene	14.139	228	160501	6.420	ng	96
87) Indeno(1,2,3-cd)pyrene	17.162	276	82476	3.481	ng	99
88) Benzo(b)fluoranthene	15.174	252	197653	8.508	ng	# 95
89) Benzo(k)fluoranthene	15.174	252	197653	8.772	ng	# 96
90) Benzo(a)pyrene	15.562	252	146695	7.746	ng	98
92) Benzo(g,h,i)perylene	17.633	276	93959	4.849	ng	96

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

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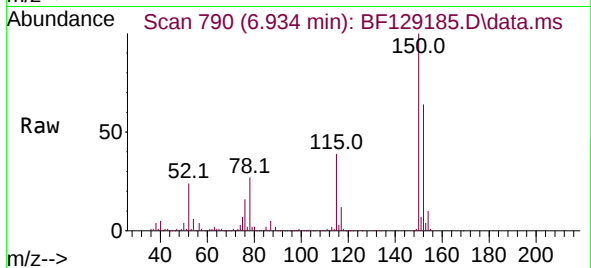
Quant Time: Jul 12 14:16:27 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
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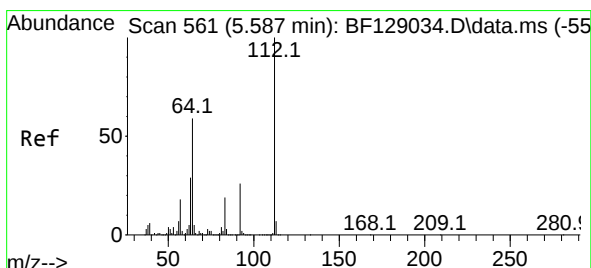
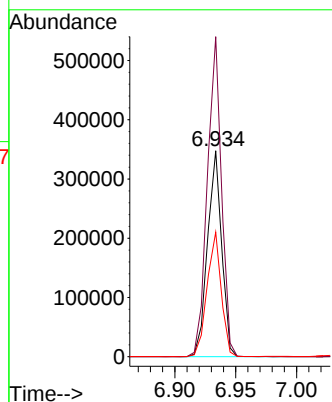
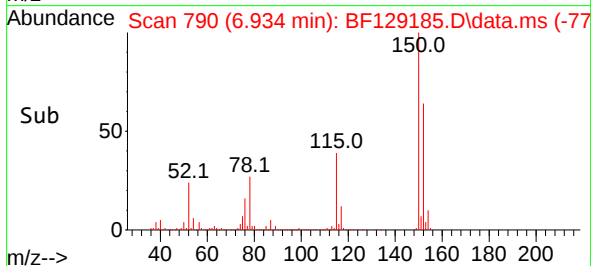


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

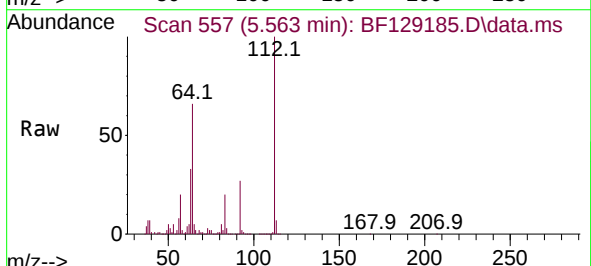
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BNA_F
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CMR-TP2-0708



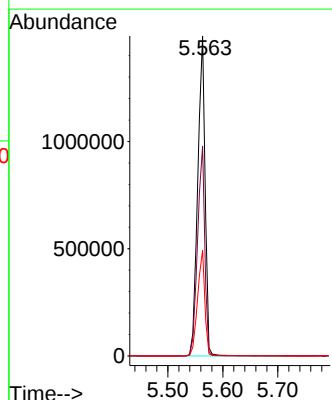
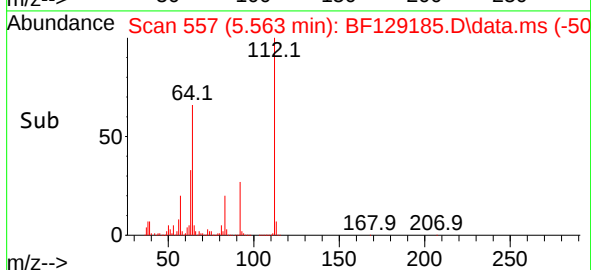
Tgt Ion:152 Resp: 279789
Ion Ratio Lower Upper
152 100
150 155.4 123.7 185.5
115 60.5 49.9 74.9



#5
2-Fluorophenol
Concen: 84.070 ng
RT: 5.563 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



Tgt Ion:112 Resp: 1391301
Ion Ratio Lower Upper
112 100
64 65.5 53.3 79.9
63 33.0 28.0 42.0

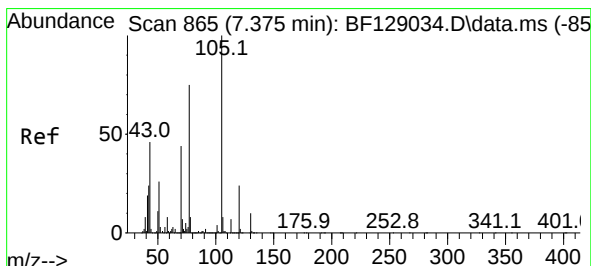
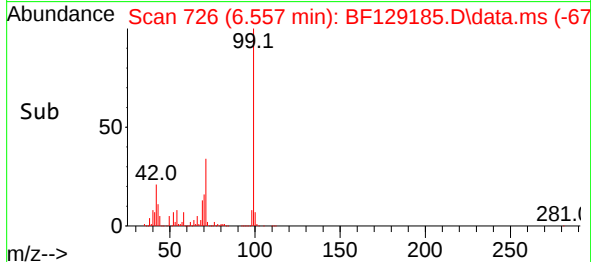
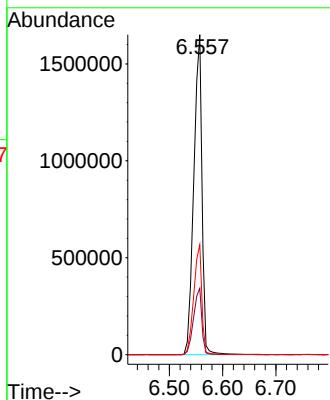
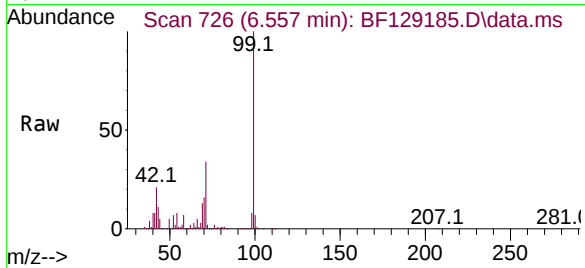




#7
Phenol-d6
Concen: 86.453 ng
RT: 6.557 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

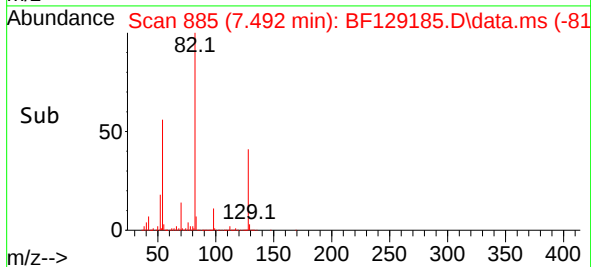
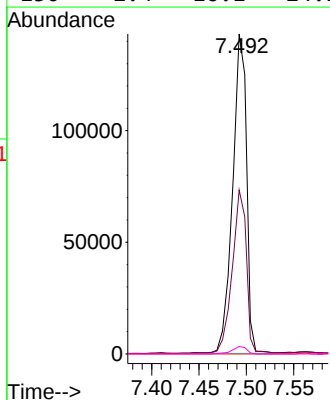
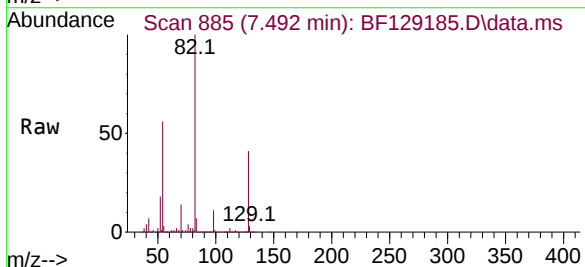
Instrument :
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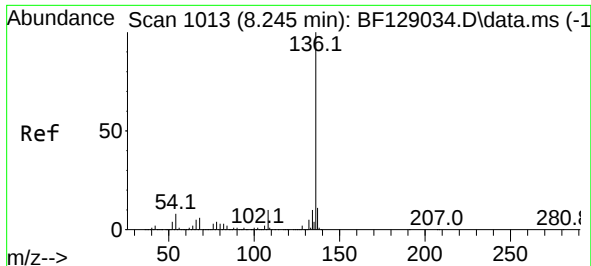
Tgt Ion: 99 Resp: 1776928
Ion Ratio Lower Upper
99 100
42 20.7 17.3 25.9
71 34.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.311 ng
RT: 7.492 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 70 Resp: 146376
Ion Ratio Lower Upper
70 100
42 51.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#

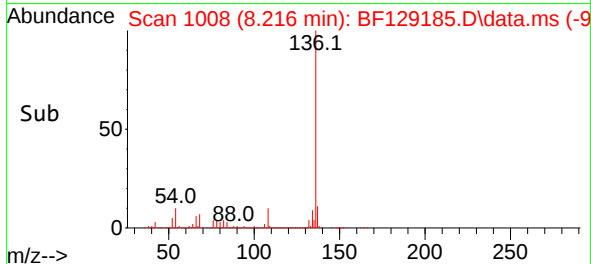
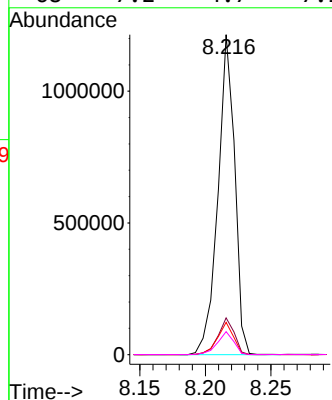
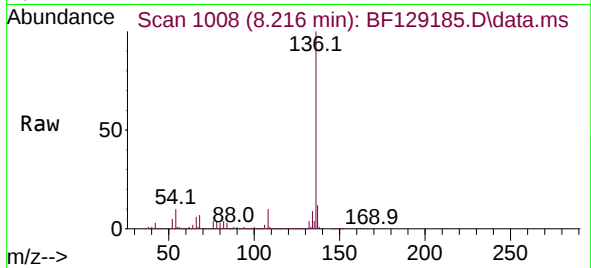




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

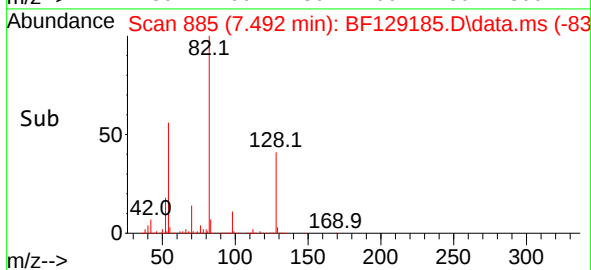
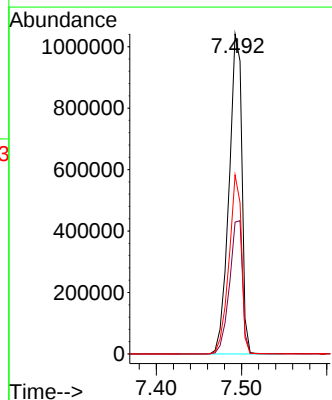
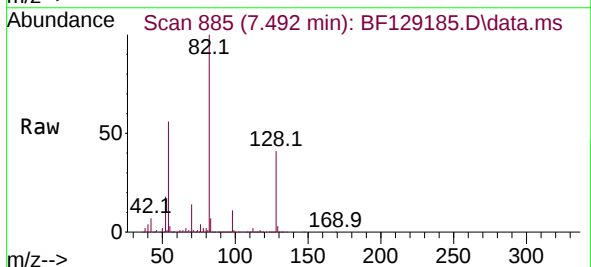
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708

Tgt Ion:136 Resp: 1076977
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 10.1 7.5 11.3
68 7.2 4.7 7.1#



#23
Nitrobenzene-d5
Concen: 60.325 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 82 Resp: 1089234
Ion Ratio Lower Upper
82 100
128 41.2 34.0 51.0
54 56.0 46.9 70.3

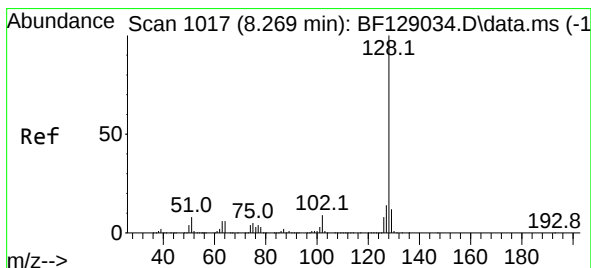
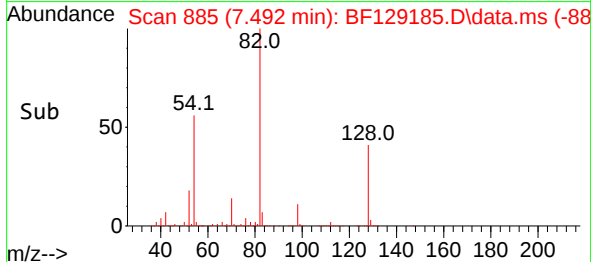
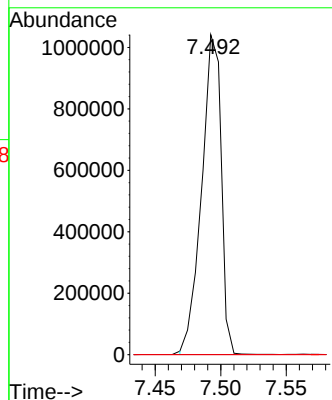
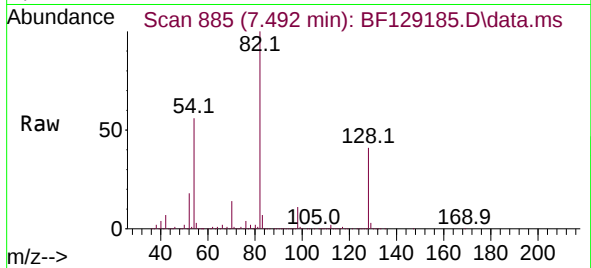




#25
Isophorone
Concen: 35.406 ng
RT: 7.492 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

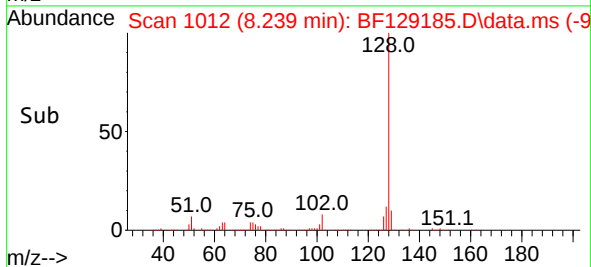
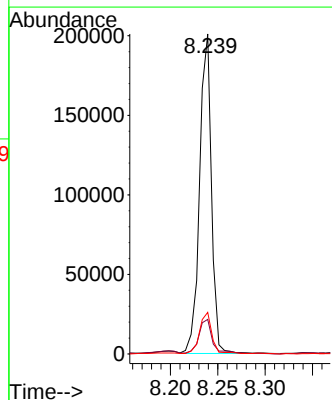
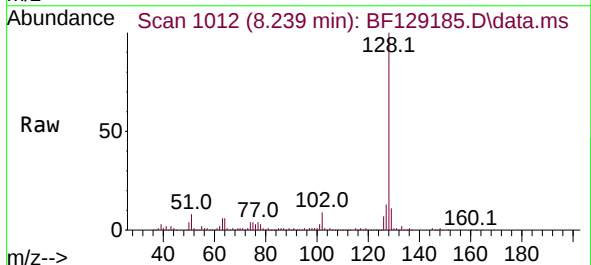
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708

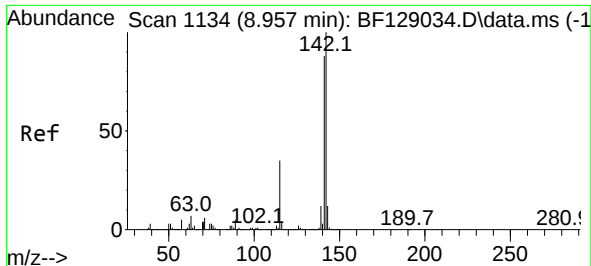
Tgt Ion: 82 Resp: 1080437
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 3.592 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion: 128 Resp: 175595
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.0 10.5 15.7

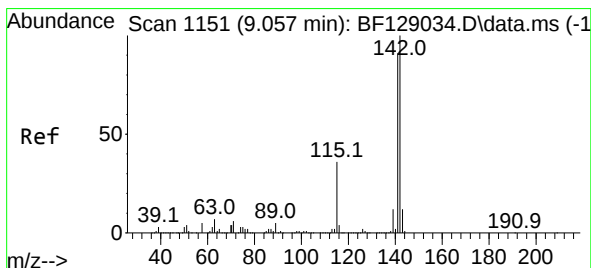
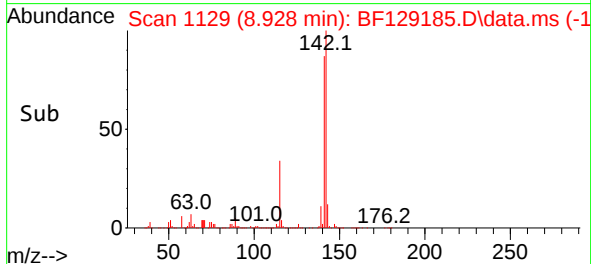
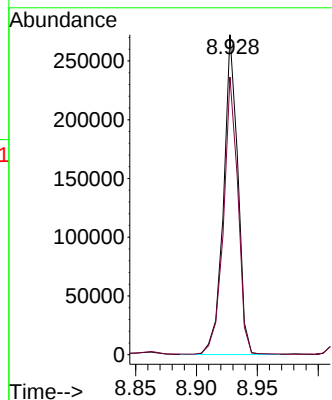
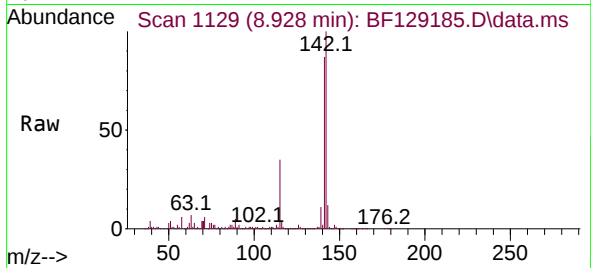




#37
2-Methylnaphthalene
Concen: 6.753 ng
RT: 8.928 min Scan# 1134
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

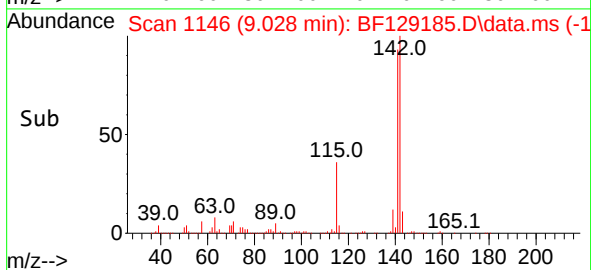
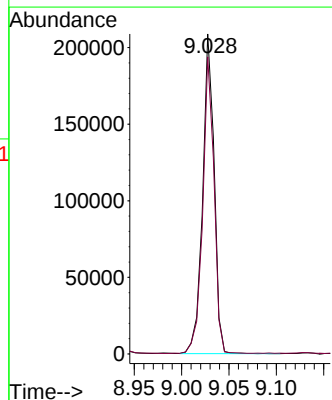
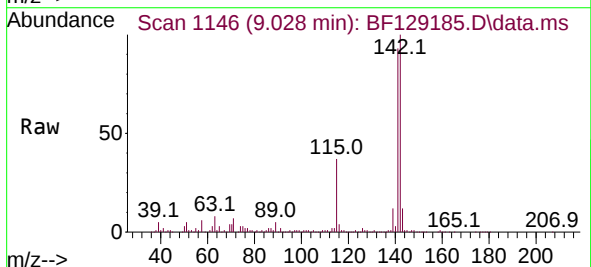
Instrument :
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CMR-TP2-0708

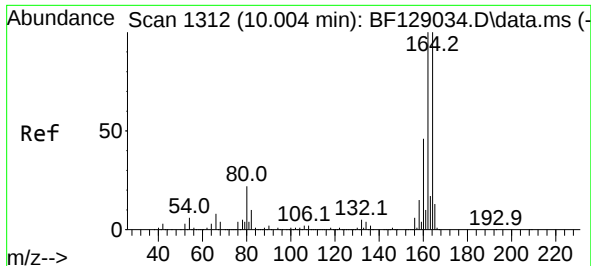
Tgt Ion:142 Resp: 222170
Ion Ratio Lower Upper
142 100
141 86.8 71.0 106.4



#38
1-Methylnaphthalene
Concen: 5.513 ng
RT: 9.028 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion:142 Resp: 176145
Ion Ratio Lower Upper
142 100
141 92.9 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

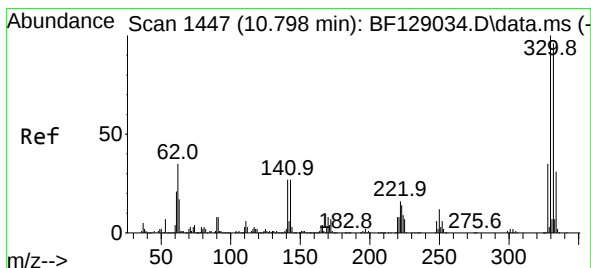
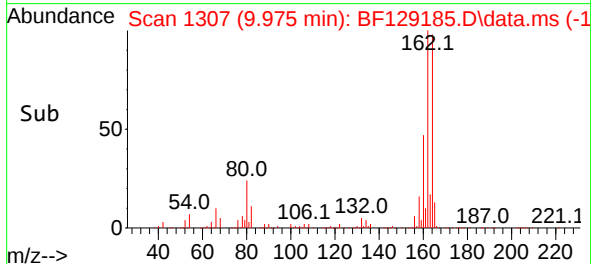
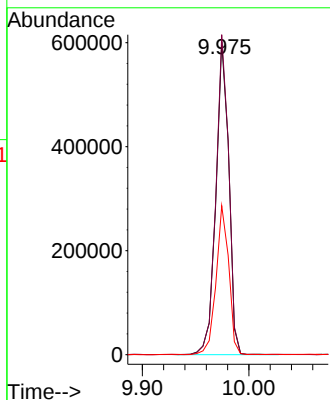
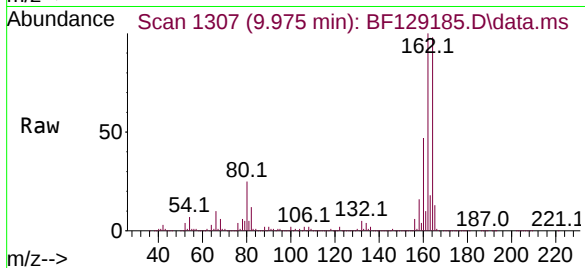
Tgt Ion:164 Resp: 504915

Ion Ratio Lower Upper

164 100

162 102.3 79.5 119.3

160 47.7 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 61.501 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.006 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

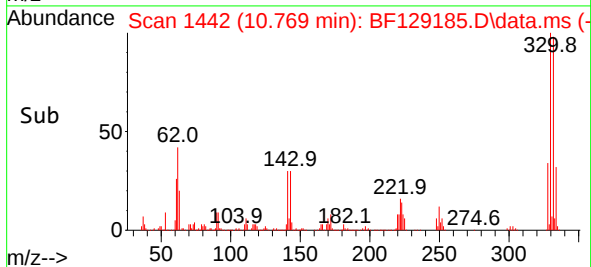
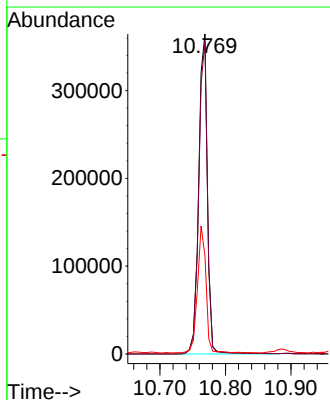
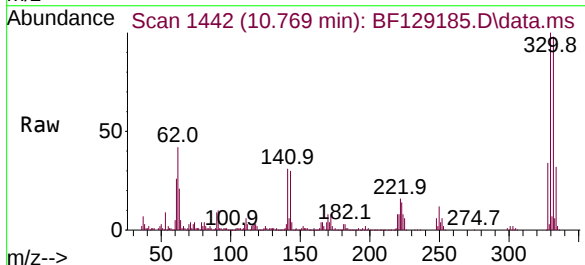
Tgt Ion:330 Resp: 337653

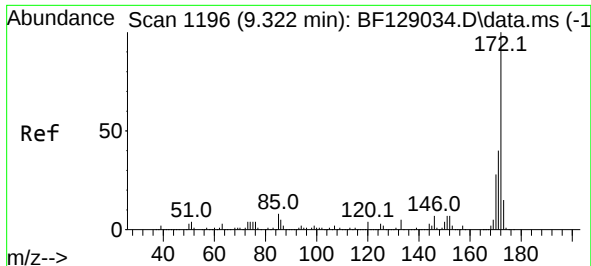
Ion Ratio Lower Upper

330 100

332 96.7 76.8 115.2

141 38.4 28.0 42.0

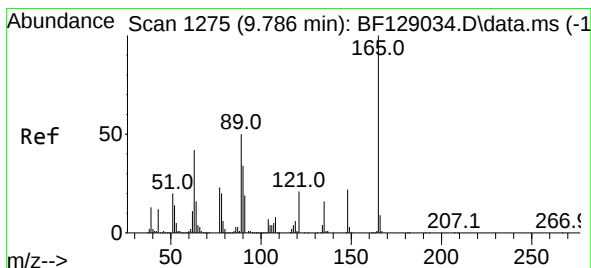
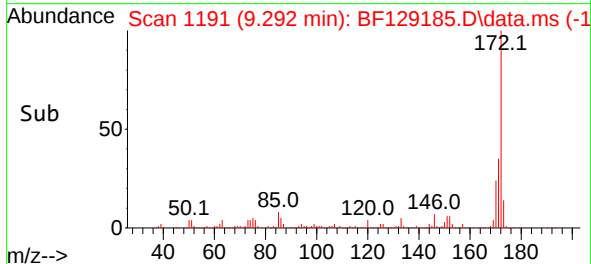
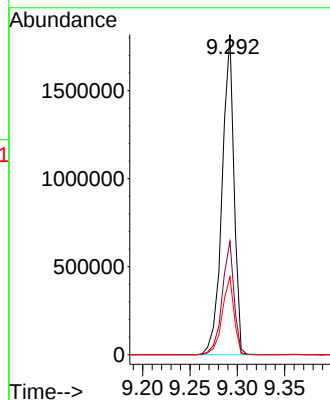
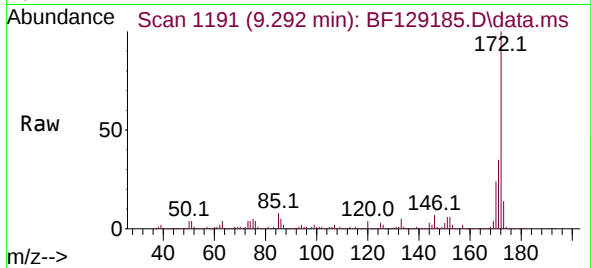




#45
2-Fluorobiphenyl
Concen: 50.824 ng
RT: 9.292 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

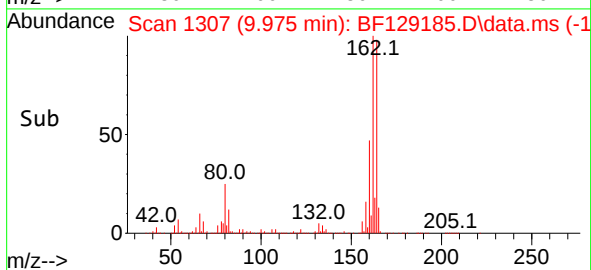
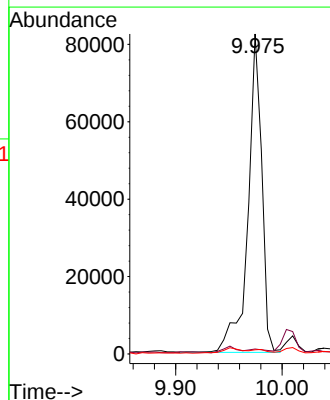
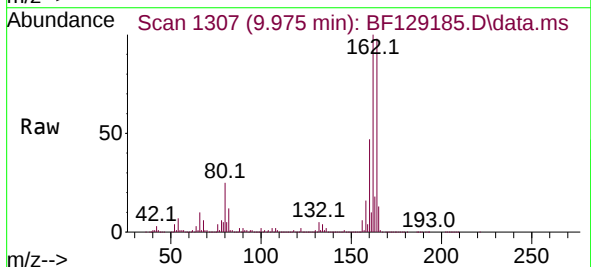
Instrument :
BNA_F
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CMR-TP2-0708

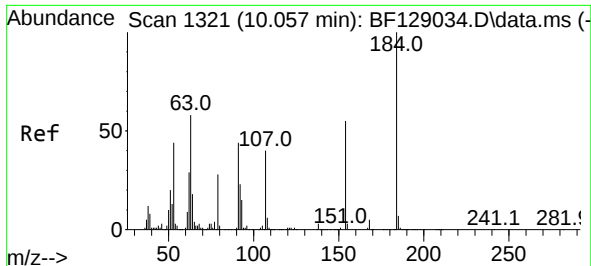
Tgt Ion:172 Resp: 1604072
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.4 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 11.480 ng
RT: 9.975 min Scan# 1307
Delta R.T. 0.212 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion:165 Resp: 74099
Ion Ratio Lower Upper
165 100
63 1.6 44.9 67.3#
89 1.3 43.6 65.4#

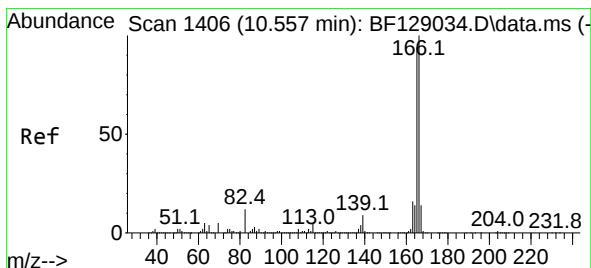
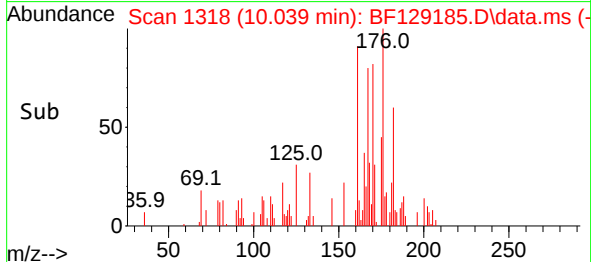
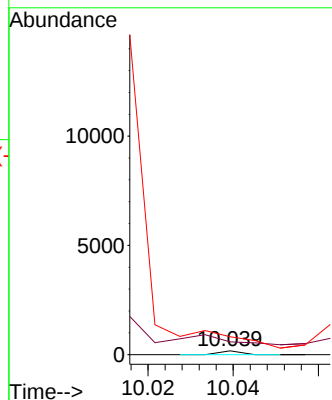
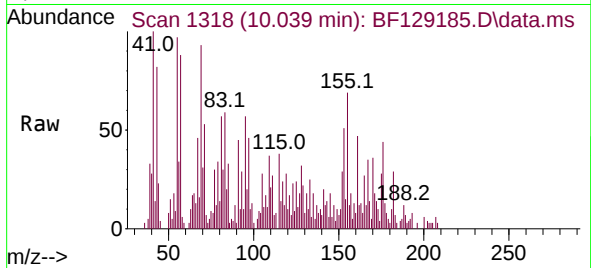




#54
2,4-Dinitrophenol
Concen: 6.882 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

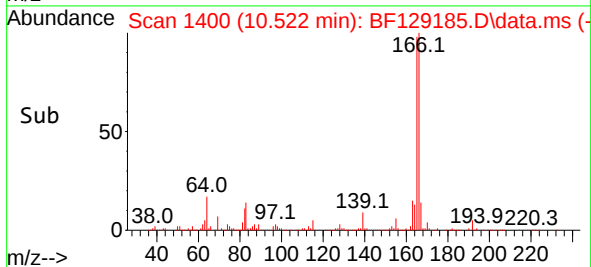
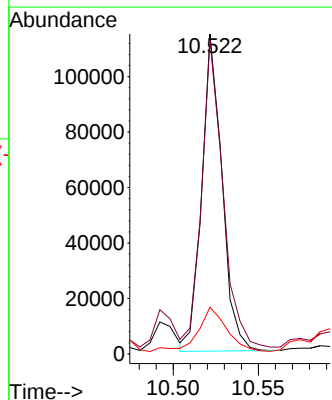
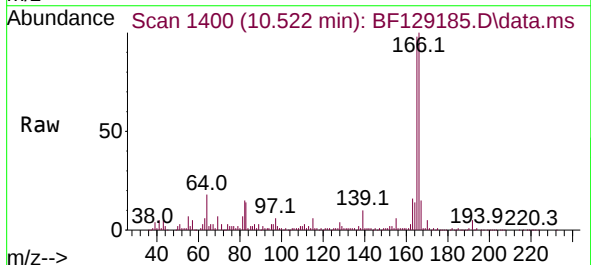
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708

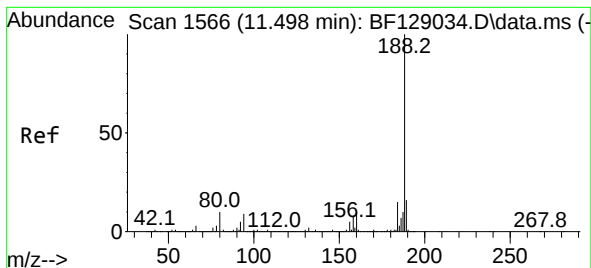
Tgt Ion:184 Resp: 62
Ion Ratio Lower Upper
184 100
63 329.4 64.5 96.7#
154 463.3 50.6 75.8#



#58
Fluorene
Concen: 3.030 ng
RT: 10.522 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion:166 Resp: 94700
Ion Ratio Lower Upper
166 100
165 98.0 78.1 117.1
167 14.6 10.5 15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

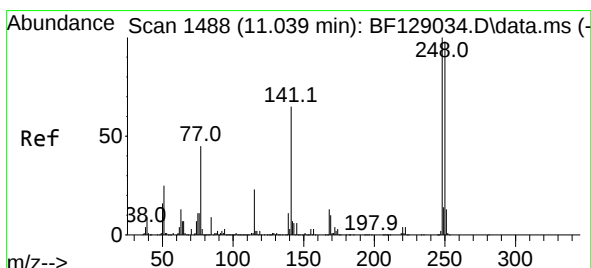
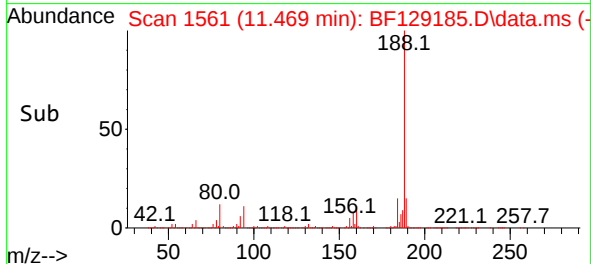
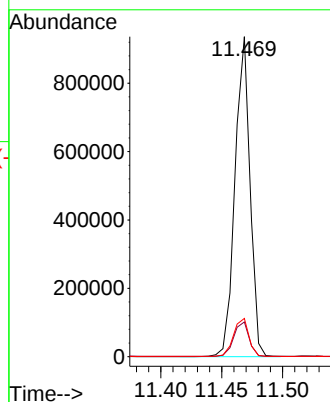
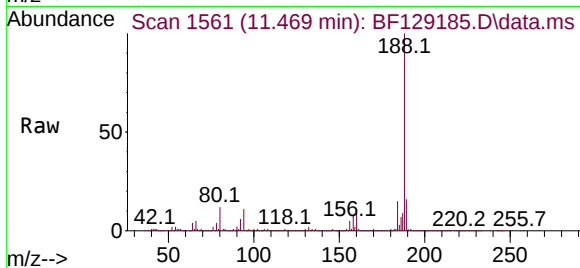
Tgt Ion:188 Resp: 801266

Ion Ratio Lower Upper

188 100

94 10.8 7.0 10.6#

80 11.9 7.6 11.4#



#67

4-Bromophenyl-phenylether

Concen: 2.476 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.247 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

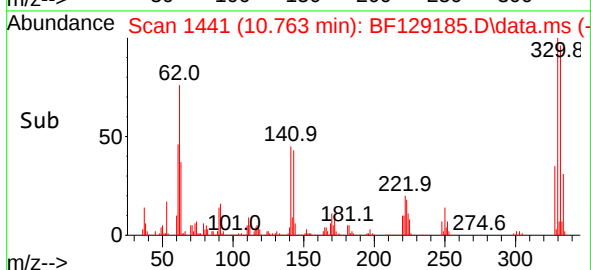
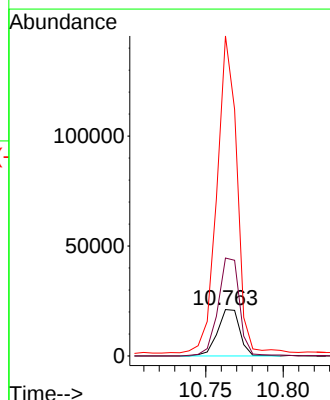
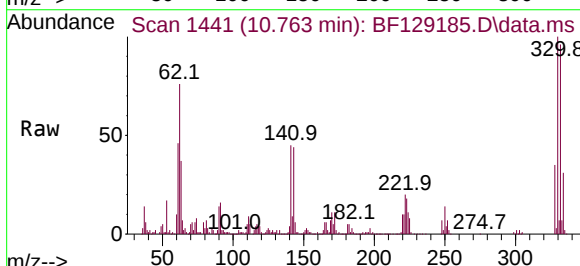
Tgt Ion:248 Resp: 21106

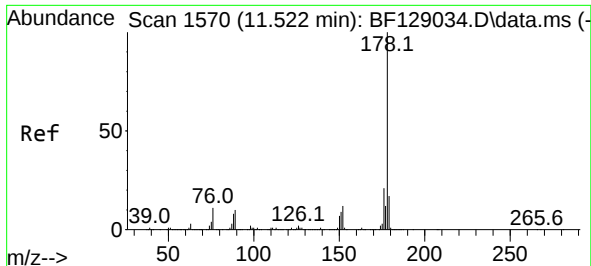
Ion Ratio Lower Upper

248 100

250 211.1 80.6 120.8#

141 689.6 58.9 88.3#

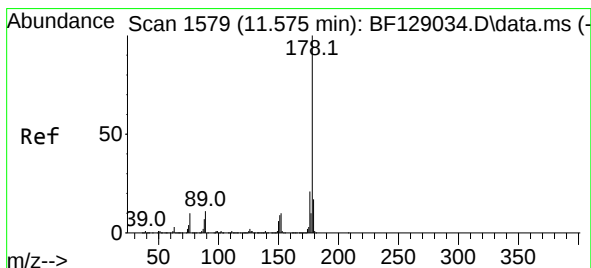
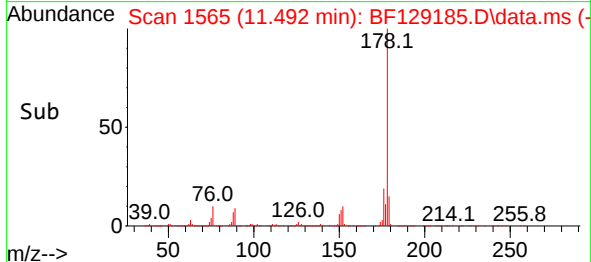
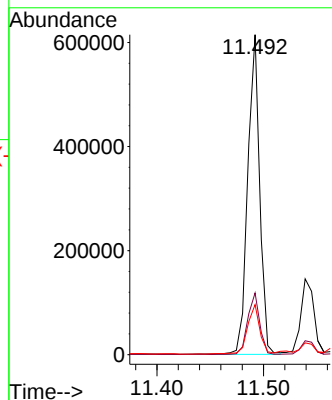
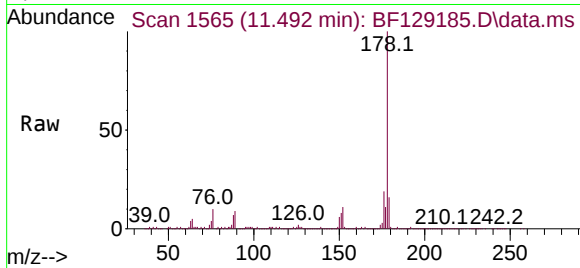




#71
Phenanthrene
Concen: 12.494 ng
RT: 11.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

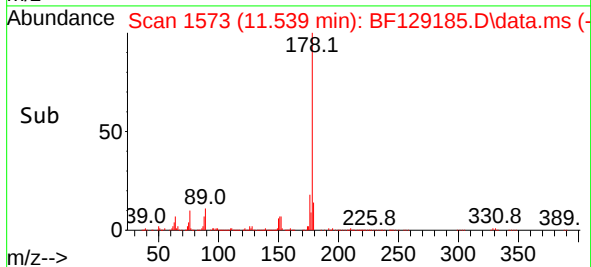
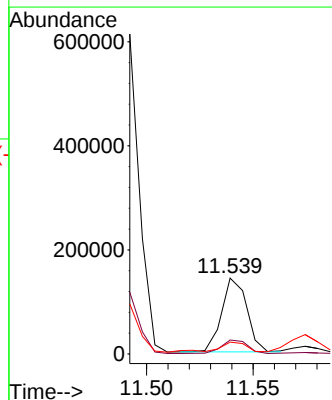
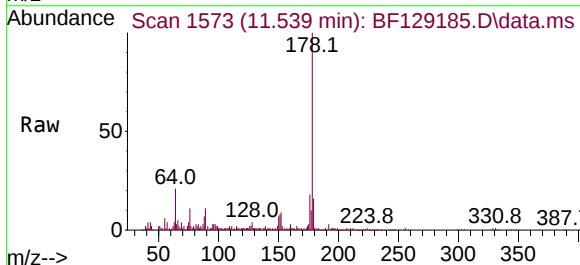
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708

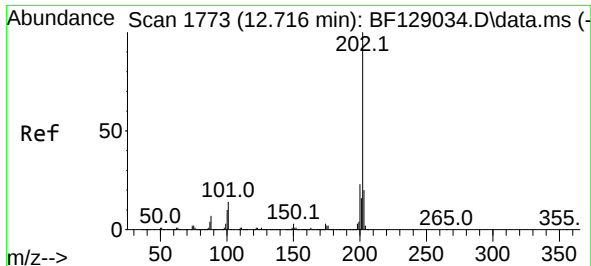
Tgt Ion:178 Resp: 478307
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.6 12.6 19.0



#72
Anthracene
Concen: 3.101 ng
RT: 11.539 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion:178 Resp: 117032
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.6 12.6 19.0

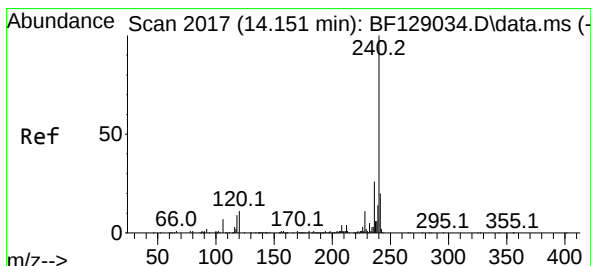
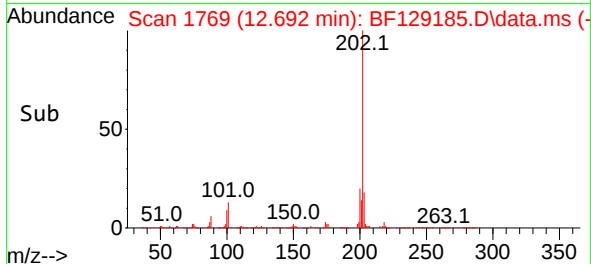
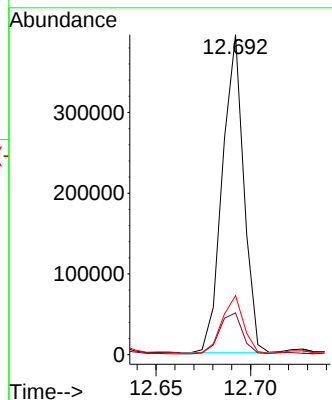
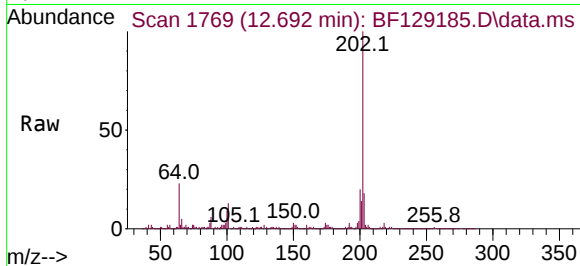




#75
Fluoranthene
Concen: 7.732 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

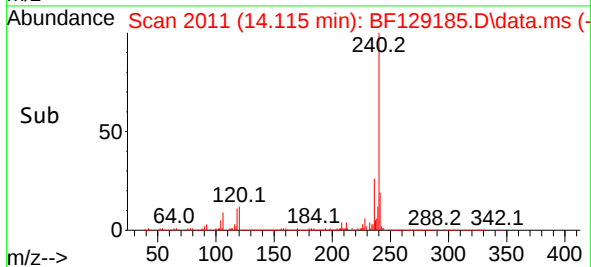
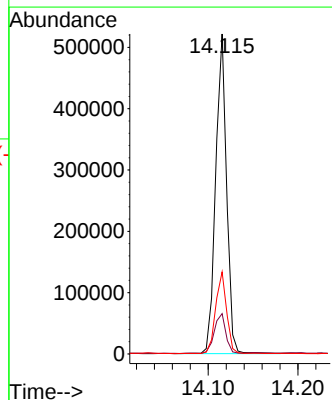
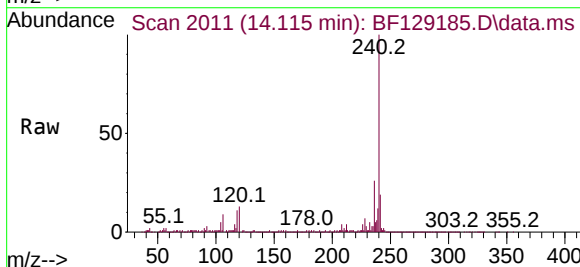
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708

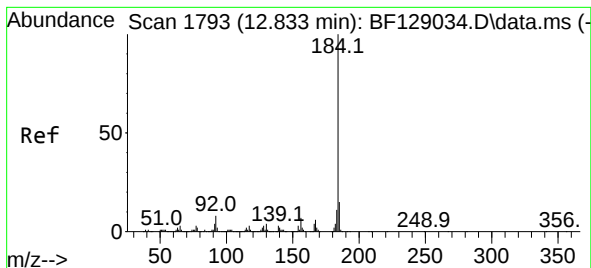
Tgt Ion:202 Resp: 309593
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 18.5 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion:240 Resp: 441021
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 25.7 20.8 31.2





#77

Benzidine

Concen: 2.290 ng

RT: 13.051 min Scan# 11

Delta R.T. 0.247 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

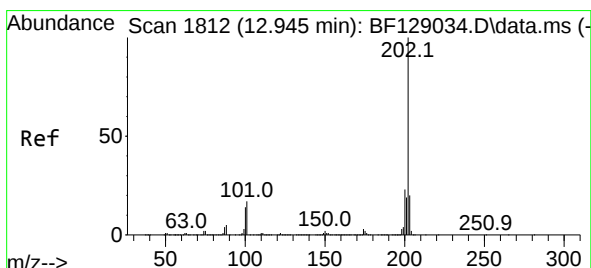
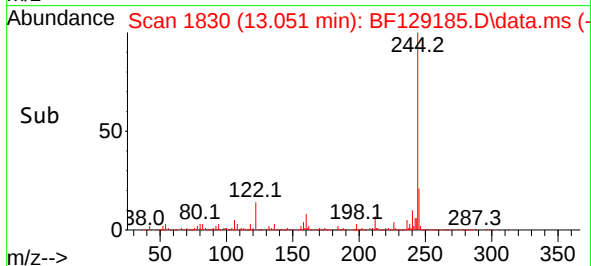
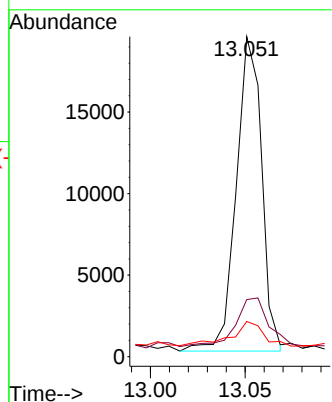
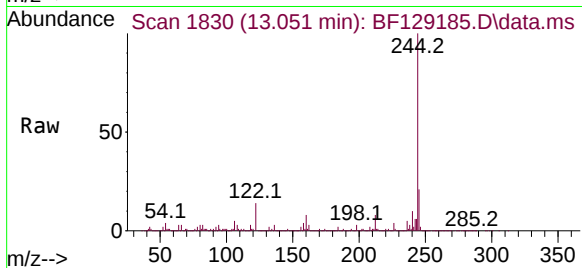
Tgt Ion:184 Resp: 17985

Ion Ratio Lower Upper

184 100

185 17.9 11.9 17.9

183 11.0 9.3 13.9



#78

Pyrene

Concen: 13.618 ng

RT: 12.916 min Scan# 1807

Delta R.T. -0.006 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

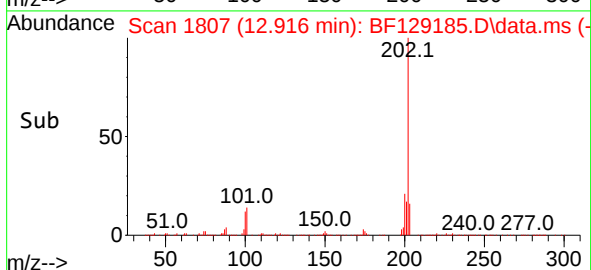
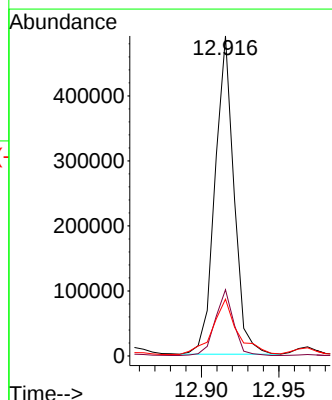
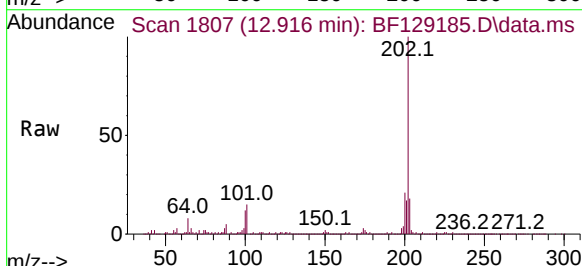
Tgt Ion:202 Resp: 416291

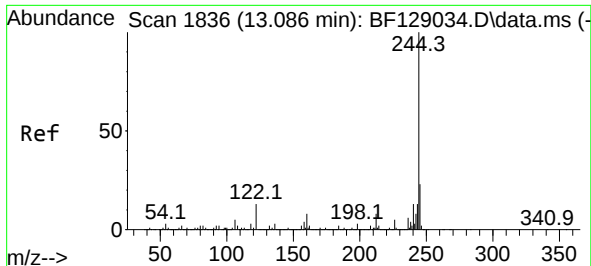
Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

203 17.8 14.6 21.8

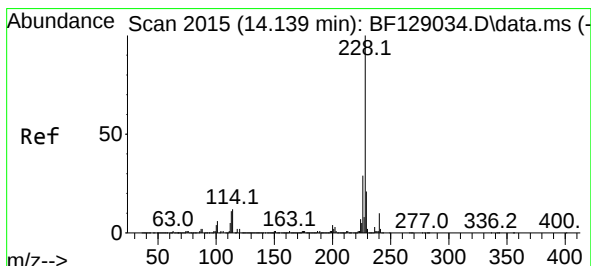
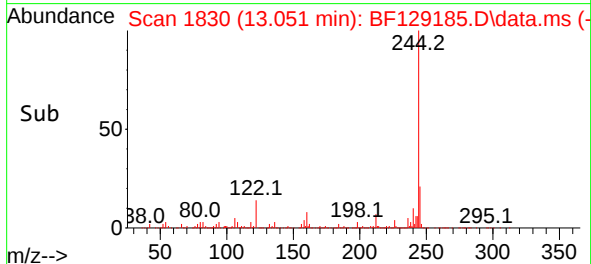
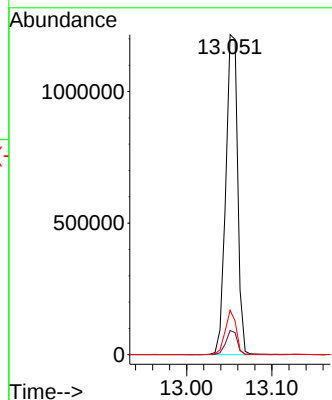
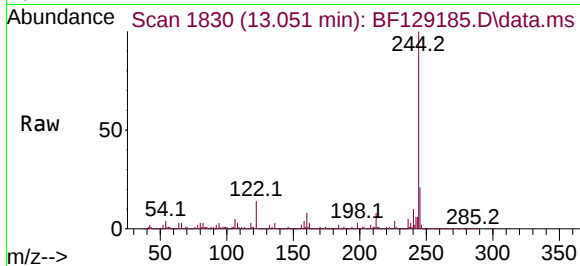




#79
 Terphenyl-d14
 Concen: 55.400 ng
 RT: 13.051 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129185.D
 Acq: 12 Jul 2022 12:59

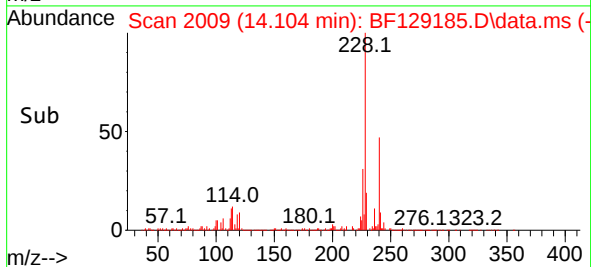
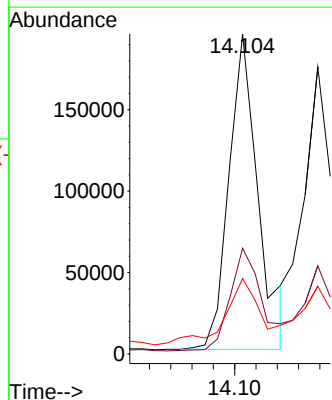
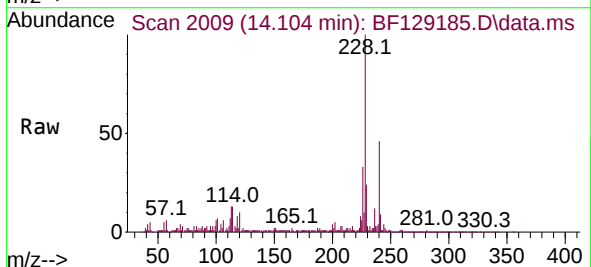
Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP2-0708

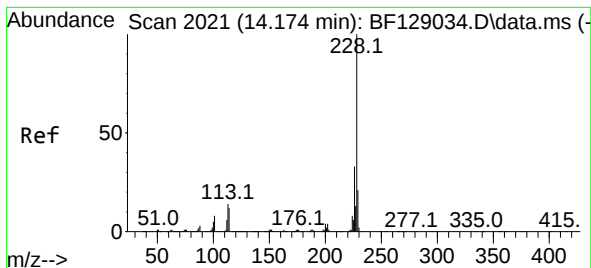
Tgt Ion:244 Resp: 1176540
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 13.9 8.8 13.2#



#81
 Benzo(a)anthracene
 Concen: 6.858 ng
 RT: 14.104 min Scan# 2009
 Delta R.T. -0.006 min
 Lab File: BF129185.D
 Acq: 12 Jul 2022 12:59

Tgt Ion:228 Resp: 184685
 Ion Ratio Lower Upper
 228 100
 226 33.1 22.1 33.1
 229 23.6 15.8 23.8





#83

Chrysene

Concen: 6.420 ng

RT: 14.139 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

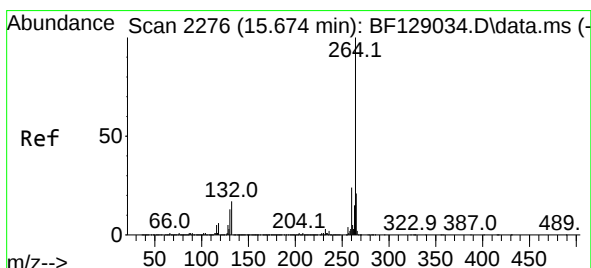
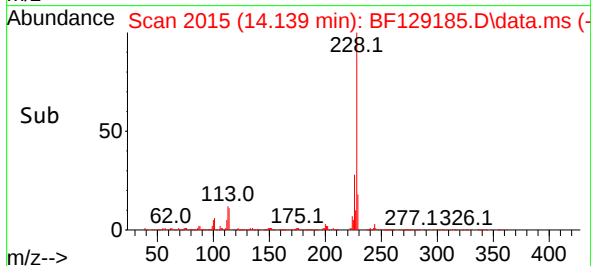
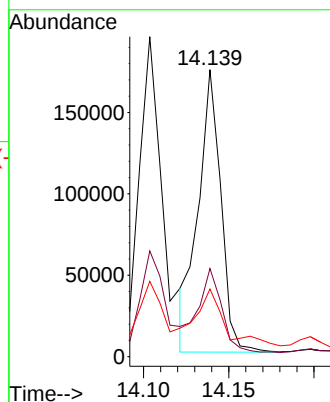
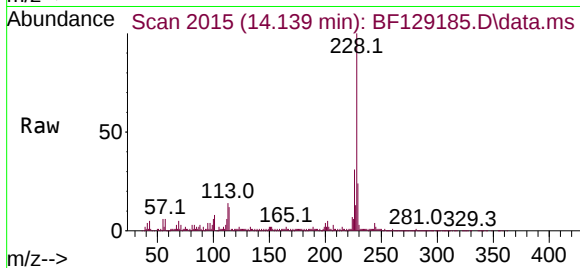
Tgt Ion:228 Resp: 160501

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 23.6 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: BF129185.D

Acq: 12 Jul 2022 12:59

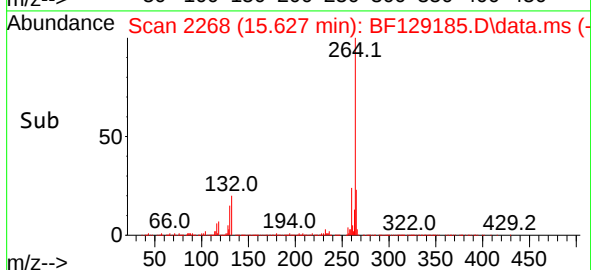
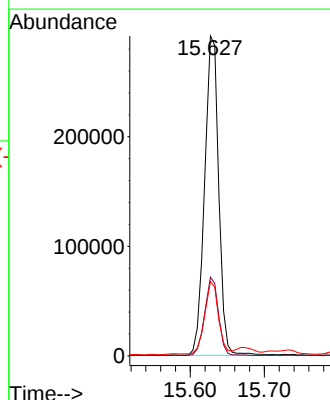
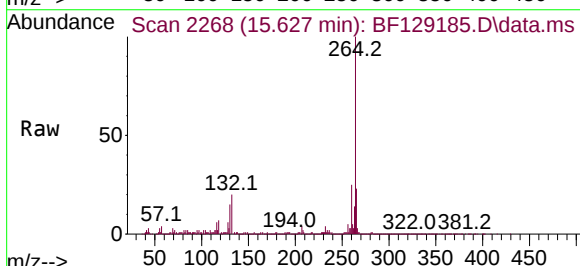
Tgt Ion:264 Resp: 386272

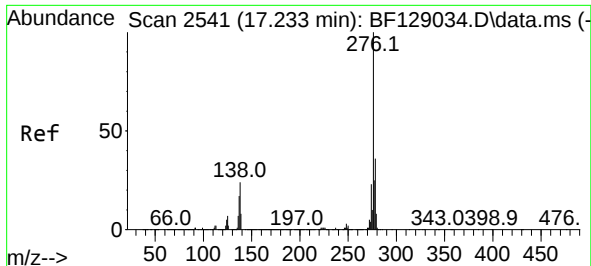
Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

265 23.3 17.2 25.8

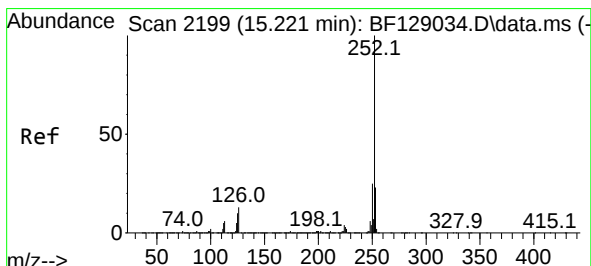
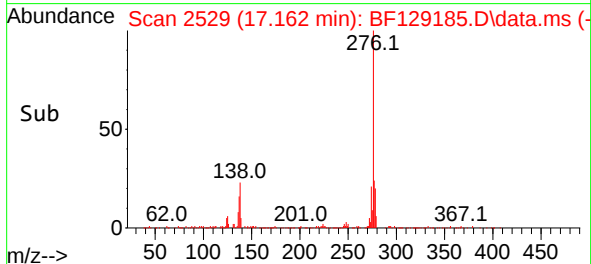
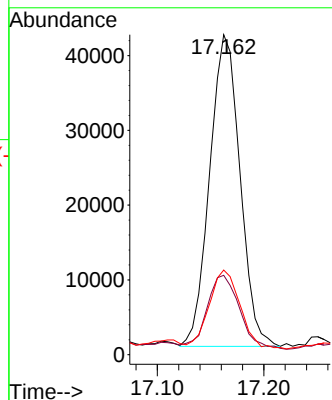
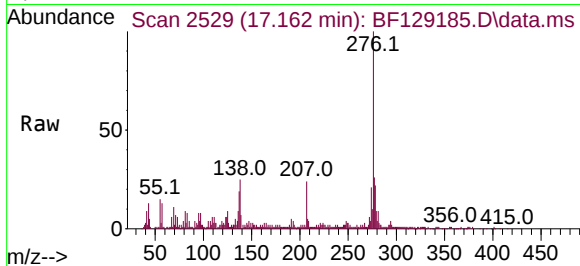




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.481 ng
RT: 17.162 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

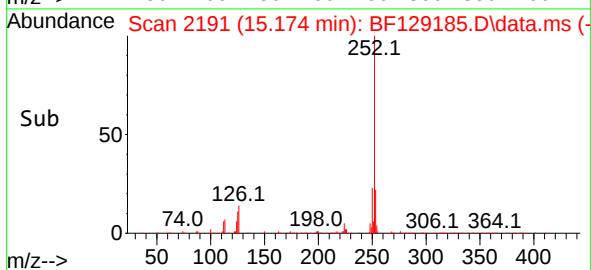
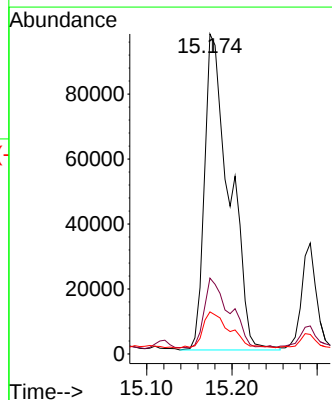
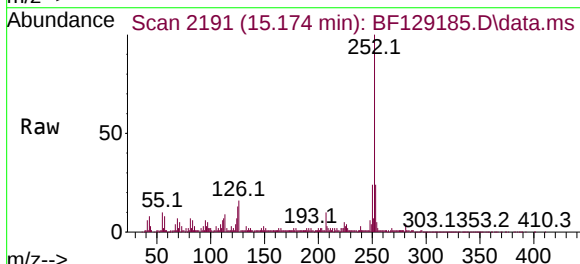
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708

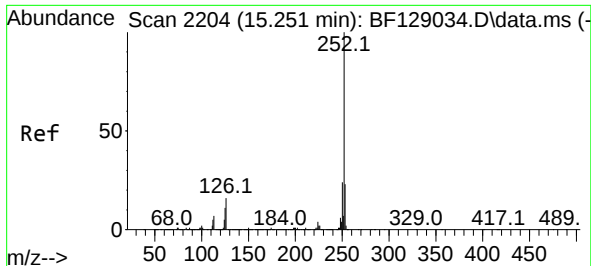
Tgt Ion:276 Resp: 82476
Ion Ratio Lower Upper
276 100
138 25.6 21.1 31.7
277 25.9 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 8.508 ng
RT: 15.174 min Scan# 2191
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Tgt Ion:252 Resp: 197653
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 13.1 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 8.772 ng

RT: 15.174 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

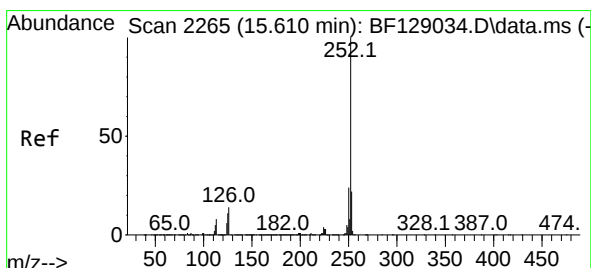
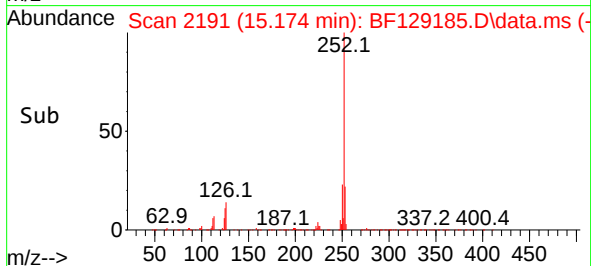
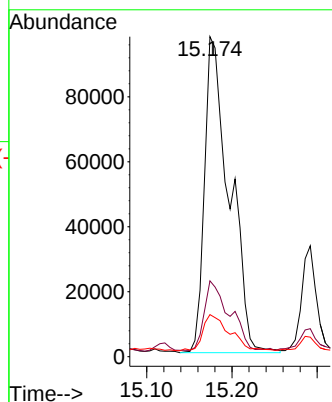
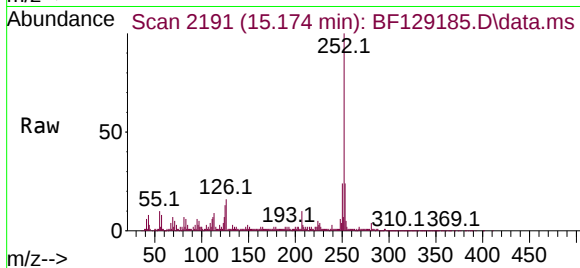
Tgt Ion:252 Resp: 197653

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 13.1 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 7.746 ng

RT: 15.562 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

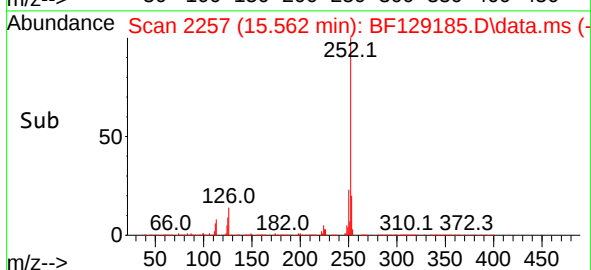
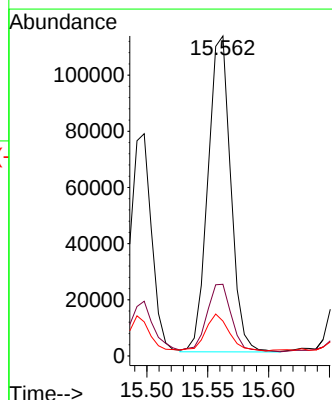
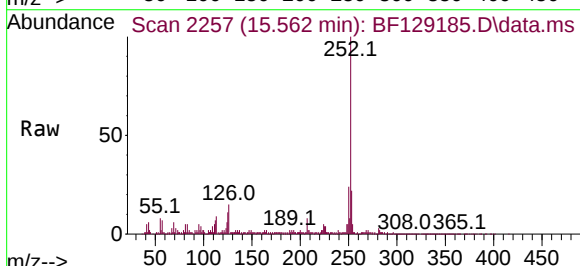
Tgt Ion:252 Resp: 146695

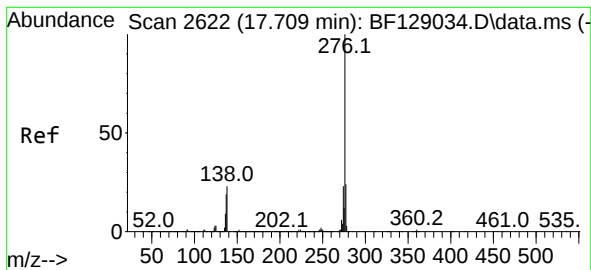
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 10.9 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.849 ng

RT: 17.633 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF129185.D

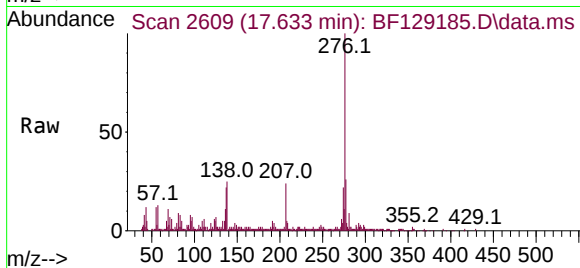
Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708



Tgt Ion:276 Resp: 93959

Ion Ratio Lower Upper

276 100

277 25.5 19.1 28.7

138 24.7 18.0 27.0

