

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

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/13/2022
 Supervised By : Jagrut Upadhyay 07/13/2022

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
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
58) Fluorene	10.522	166	94700	3.030	ng	99
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
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	156166m	6.722	ng	
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

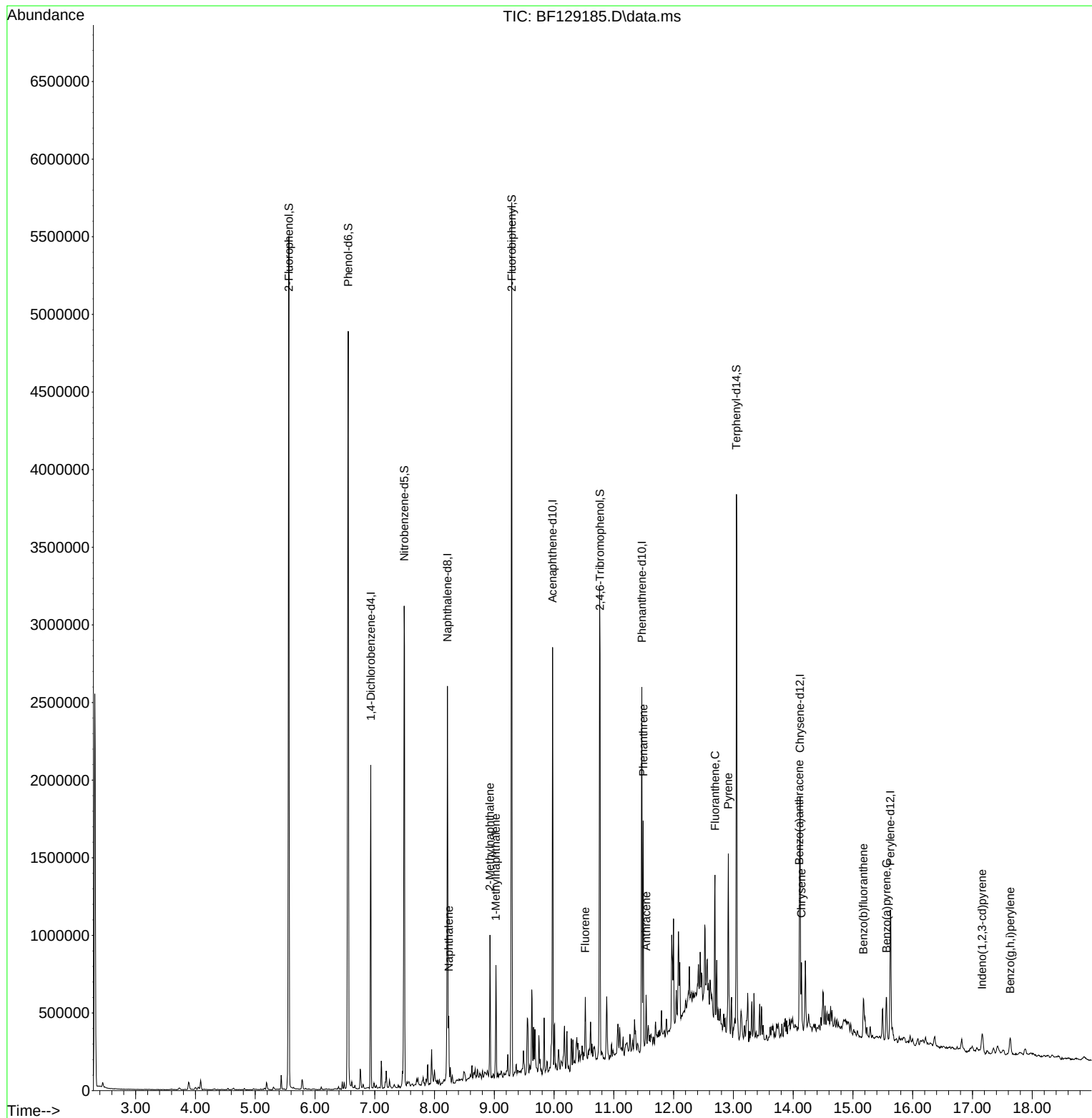
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
Data File : BF129185.D
Acq On : 12 Jul 2022 12:59
Operator : CG\JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

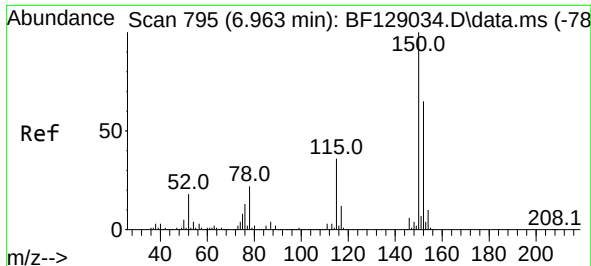
Instrument :
BNA_F
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CMR-TP2-0708

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
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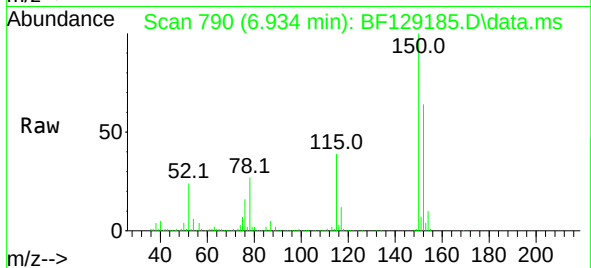
Reviewed By : Christian Giraldo 07/13/2022
Supervised By : Jagrut Upadhyay 07/13/2022





#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

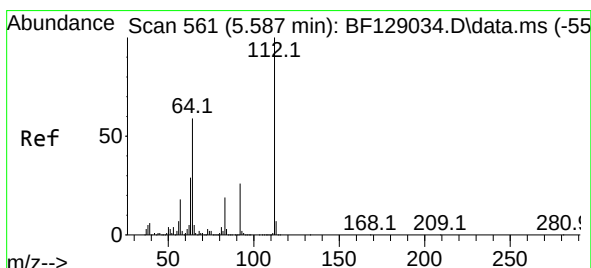
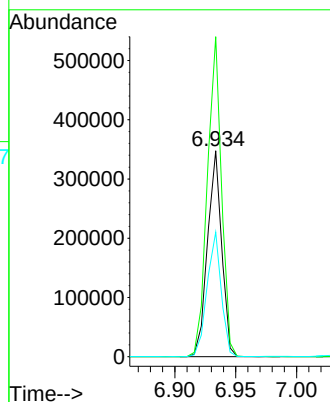
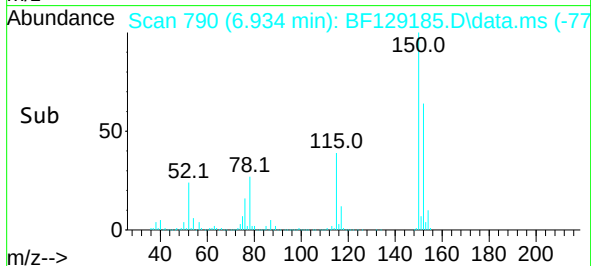
Instrument :
BNA_F
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CMR-TP2-0708



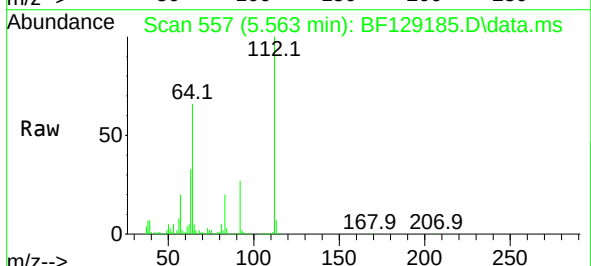
Tgt Ion:152 Resp: 279789
Ion Ratio Lower Upper
152 100
150 155.4 123.7 185.5
115 60.5 49.9 74.9

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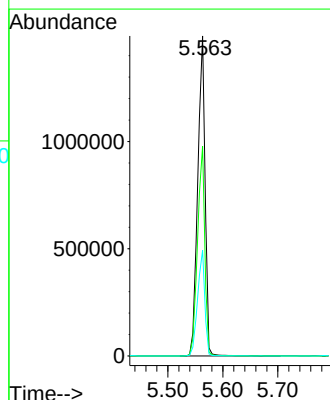
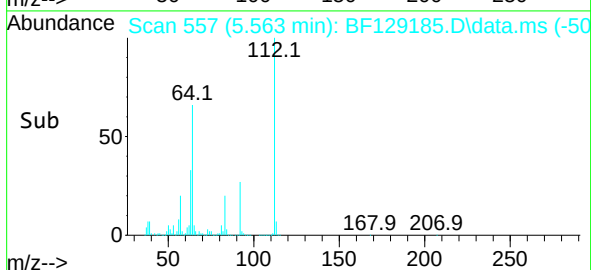
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

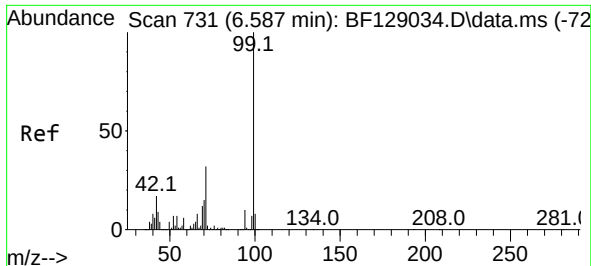


#5
2-Fluorophenol
Concen: 84.070 ng
RT: 5.563 min Scan# 557
Delta R.T. -0.000 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



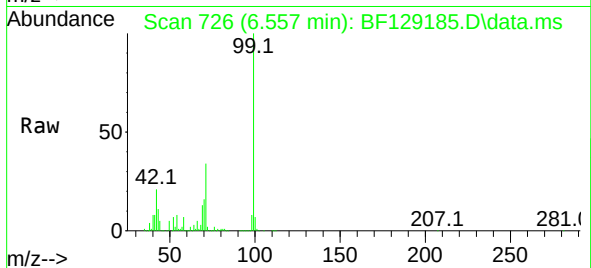
Tgt Ion:112 Resp: 1391301
Ion Ratio Lower Upper
112 100
64 65.5 53.3 79.9
63 33.0 28.0 42.0





#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

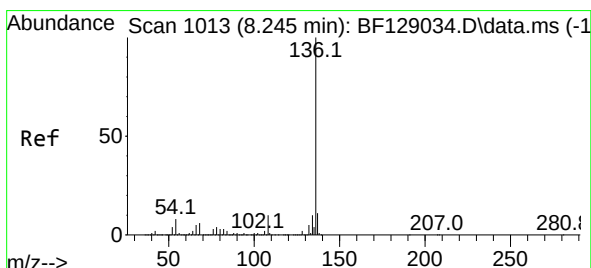
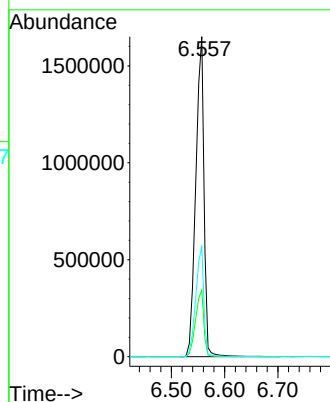
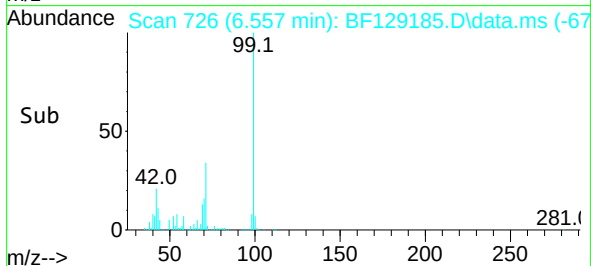
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708



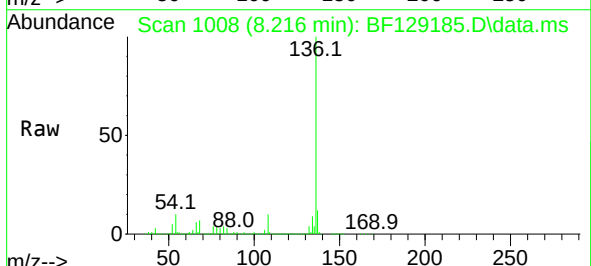
Tgt Ion: 99 Resp: 1776928
Ion Ratio Lower Upper
99 100
42 20.7 17.3 25.9
71 34.4 28.9 43.3

Manual Integrations
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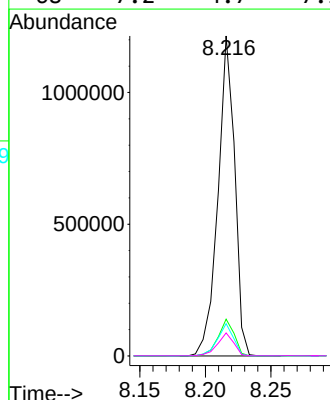
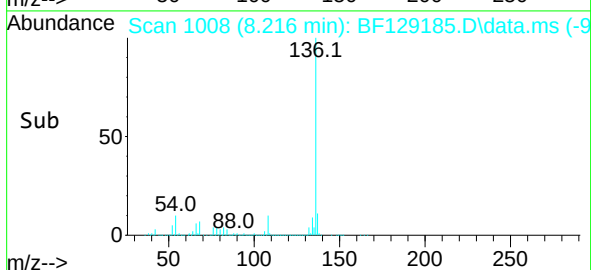
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

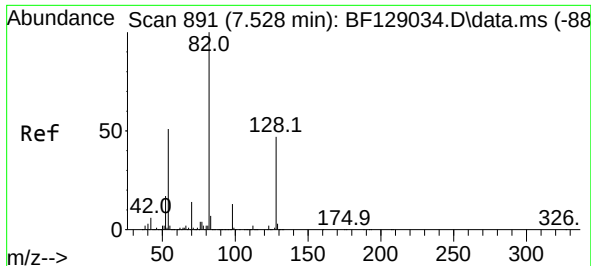


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



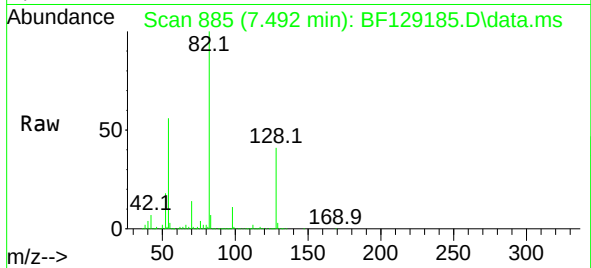
Tgt Ion:136 Resp: 1076977
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 10.1 7.5 11.3
68 7.2 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 60.325 ng
RT: 7.492 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

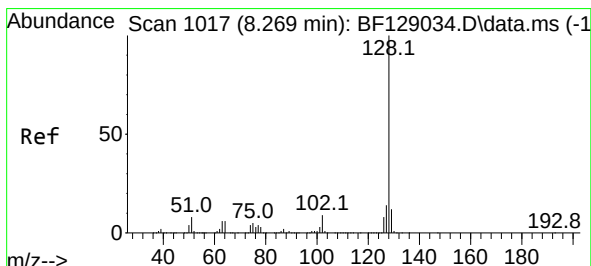
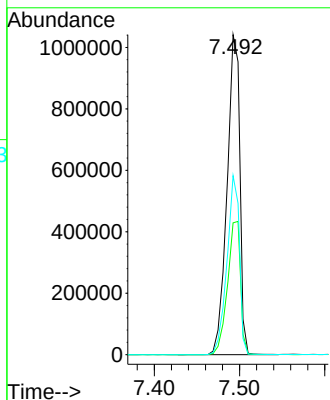
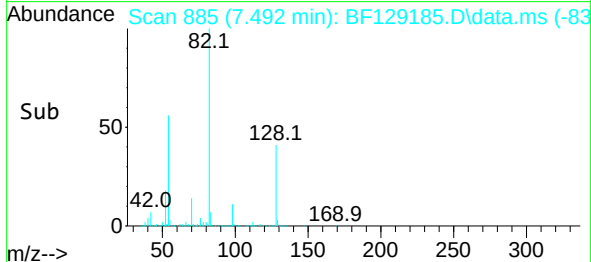
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 1089234
Ion Ratio Lower Upper
82 100
128 41.2 34.0 51.0
54 56.0 46.9 70.3

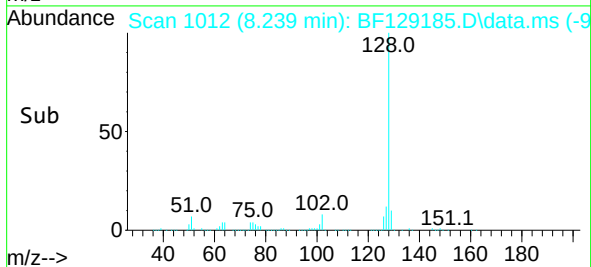
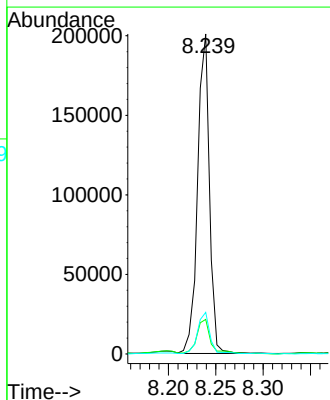
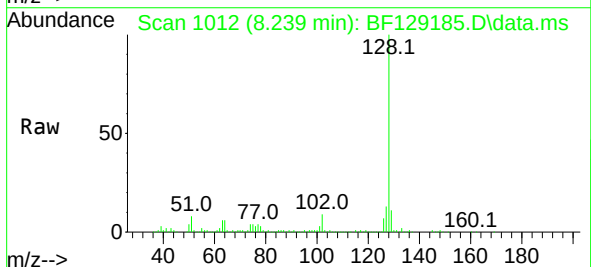
Manual Integrations
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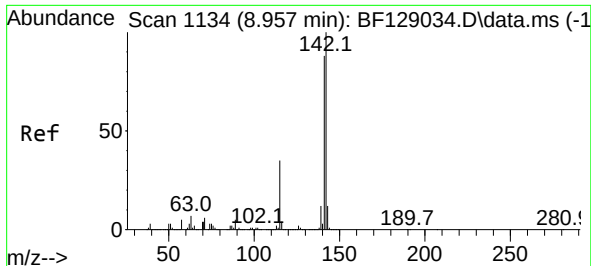
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#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

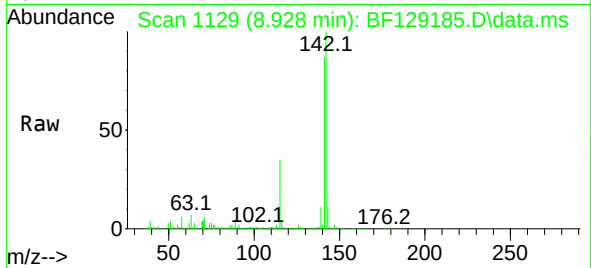
Tgt Ion:128 Resp: 175595
Ion Ratio Lower Upper
128 100
129 10.8 9.2 13.8
127 13.0 10.5 15.7





#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

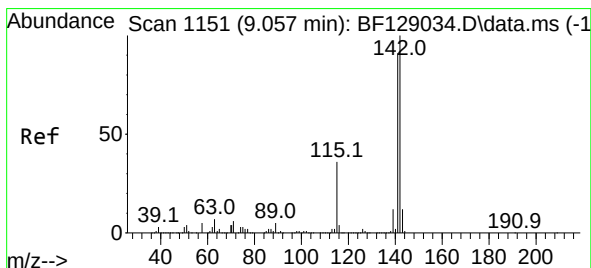
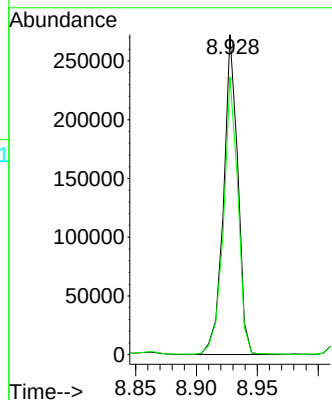
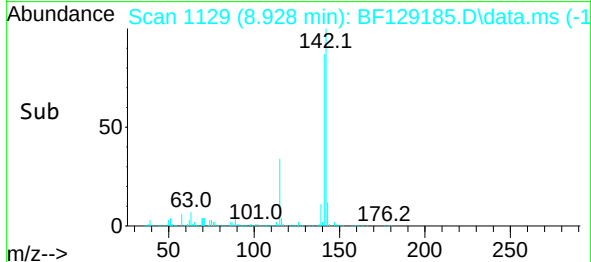
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708



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

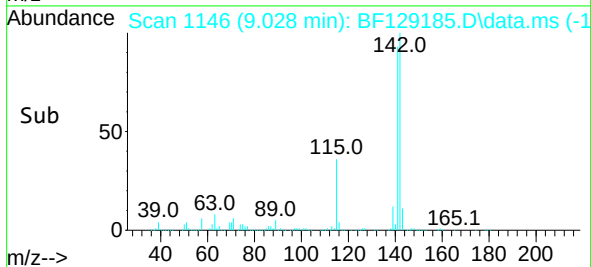
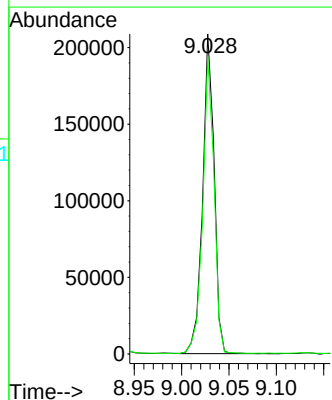
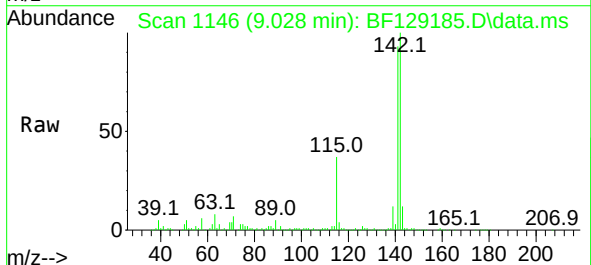
Manual Integrations
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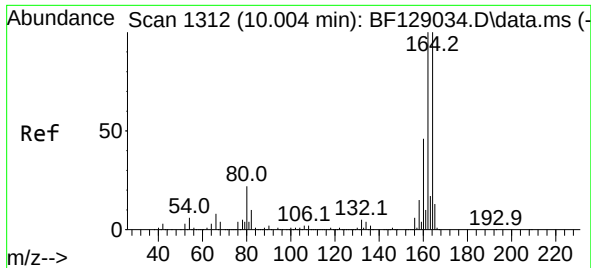
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#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# 11
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

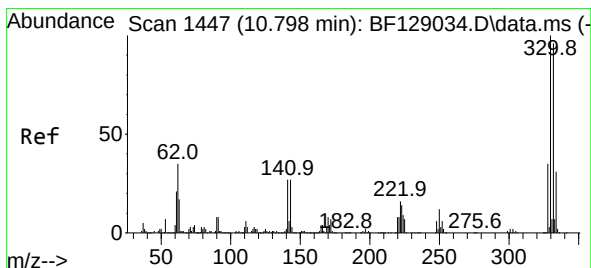
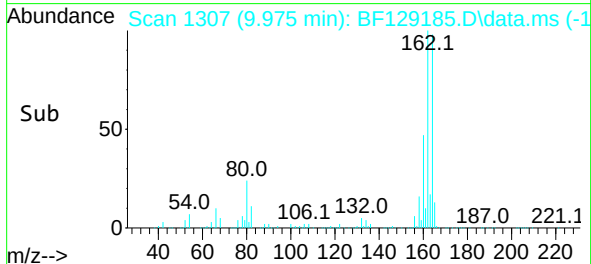
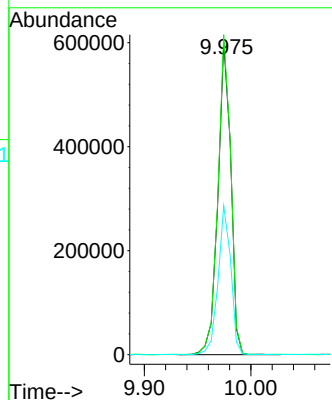
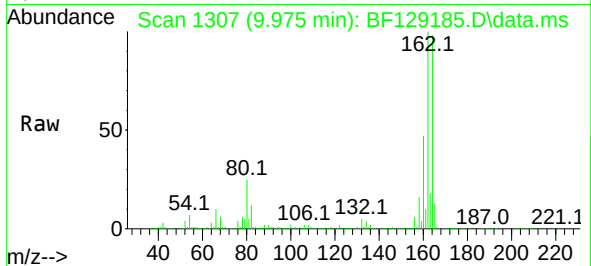
CMR-TP2-0708

Tgt Ion:164 Resp: 50491
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 47.7 34.2 51.4

Manual Integrations

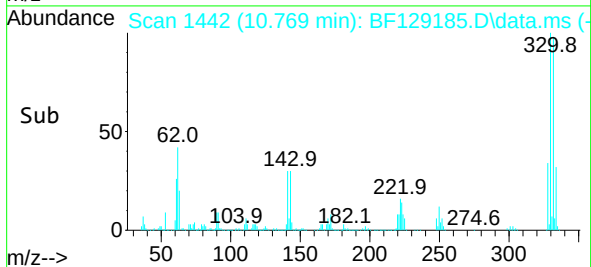
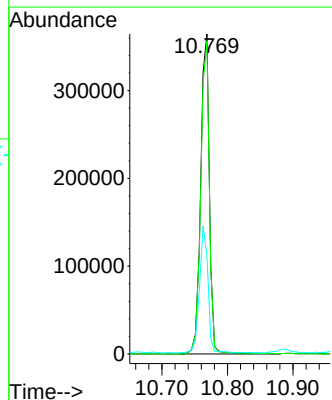
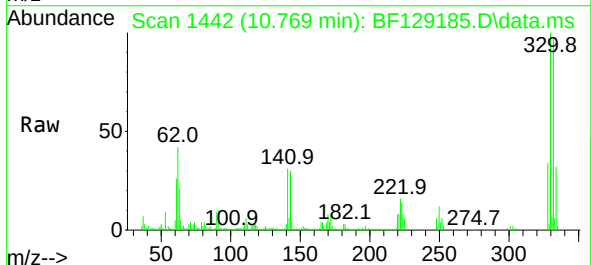
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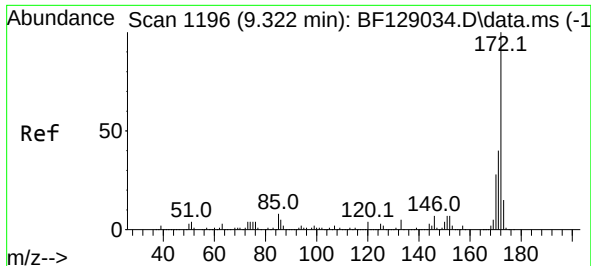
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#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

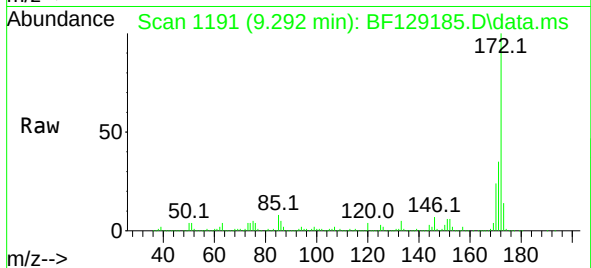
Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708



Tgt Ion:172 Resp: 160407

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

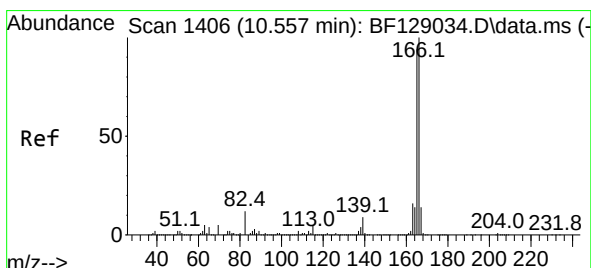
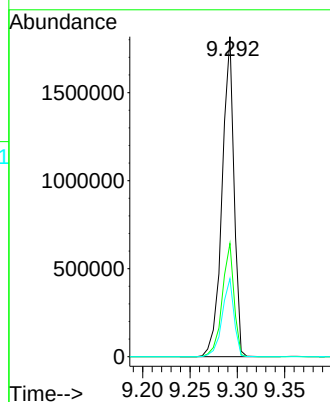
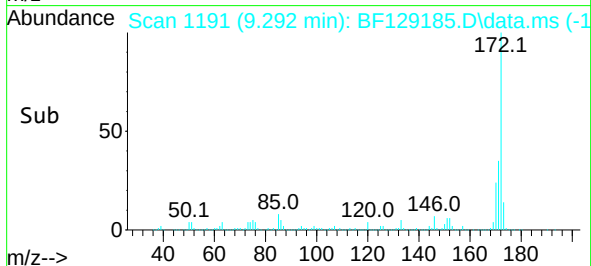
170 24.4 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/13/2022

Supervised By :Jagrut Upadhyay 07/13/2022



#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

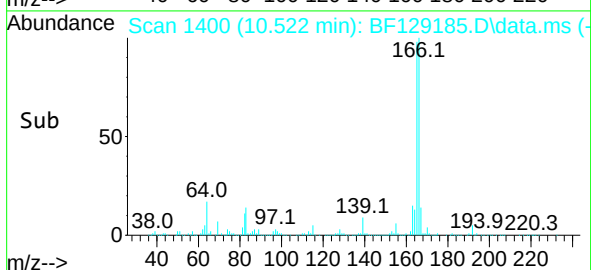
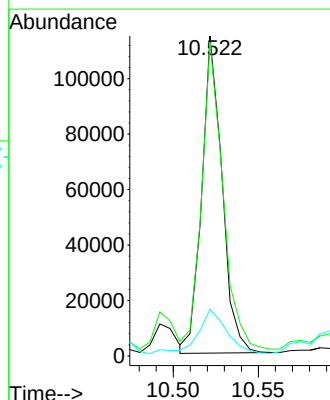
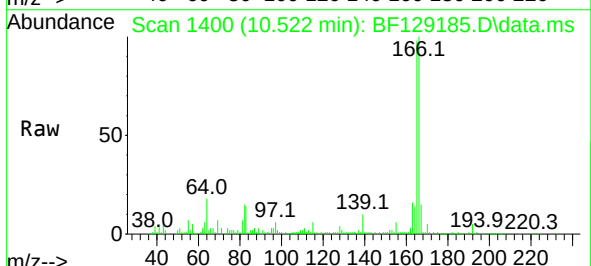
Tgt Ion:166 Resp: 94700

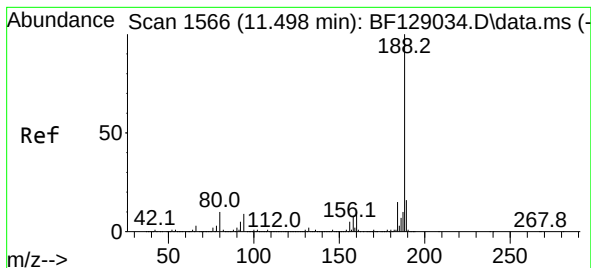
Ion Ratio Lower Upper

166 100

165 98.0 78.1 117.1

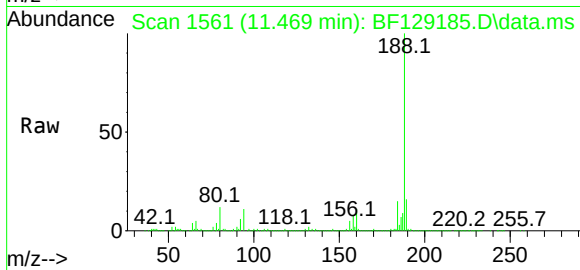
167 14.6 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

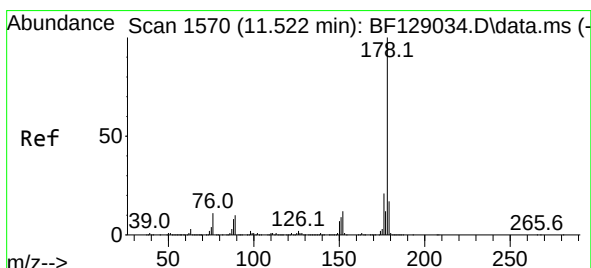
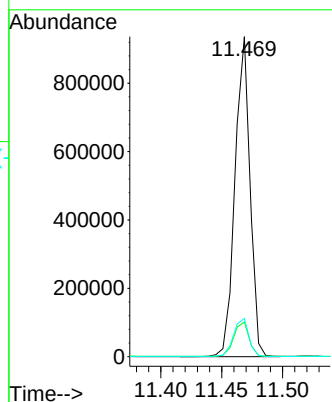
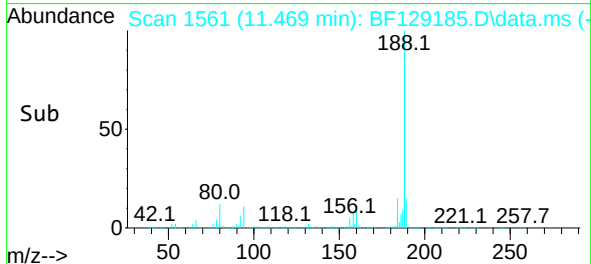
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708



Tgt Ion:188 Resp: 801260
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6
80 11.9 7.6 11.4

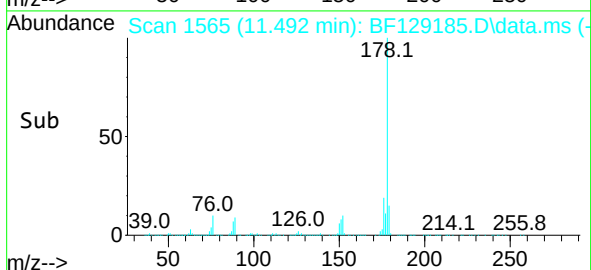
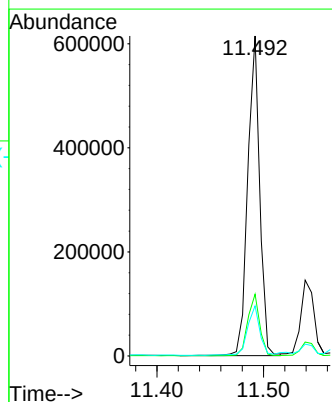
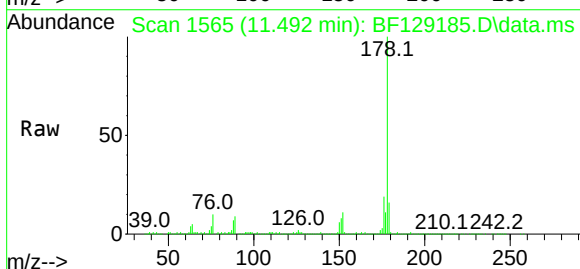
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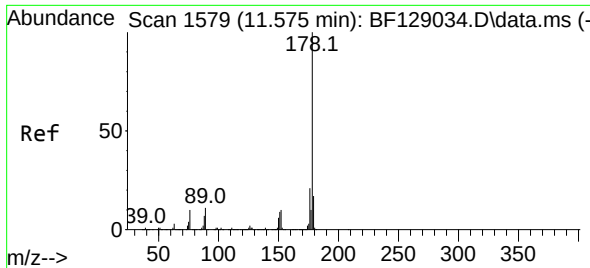
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#71
Phenanthrene
Concen: 12.494 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

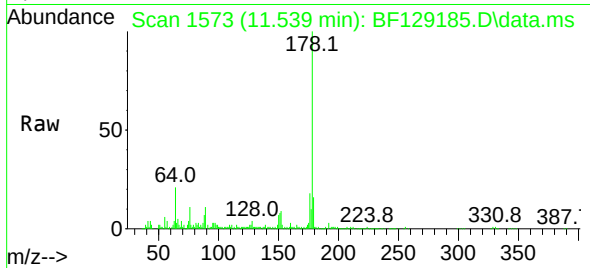
Tgt Ion:178 Resp: 478307
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 3.101 ng
 RT: 11.539 min Scan# 1769
 Delta R.T. -0.012 min
 Lab File: BF129185.D
 Acq: 12 Jul 2022 12:59

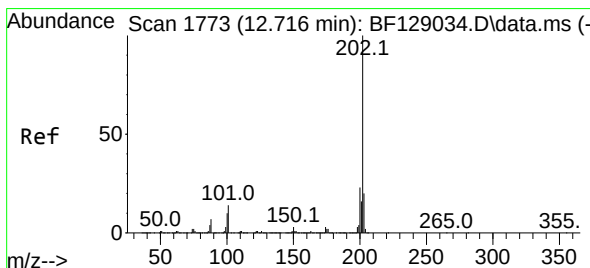
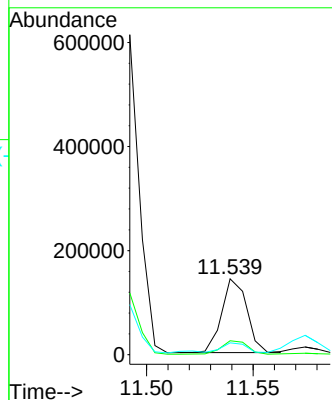
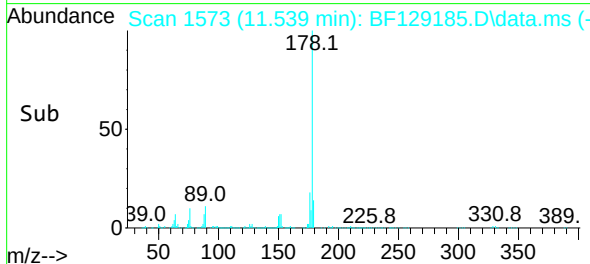
Instrument :
 BNA_F
 ClientSampleId :
 CMR-TP2-0708



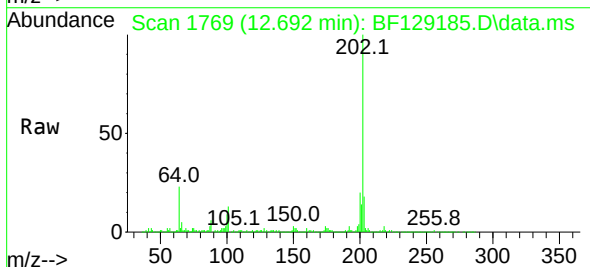
Tgt Ion:178 Resp: 117032
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 15.6 12.6 19.0

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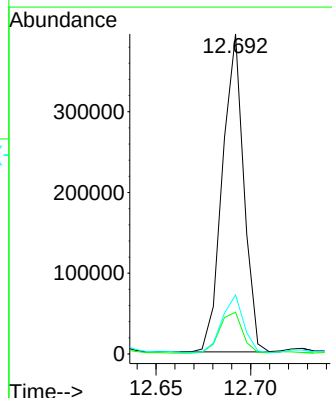
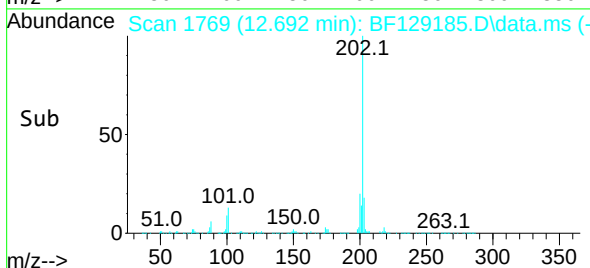
Reviewed By :Christian Giraldo 07/13/2022
 Supervised By :Jagrut Upadhyay 07/13/2022

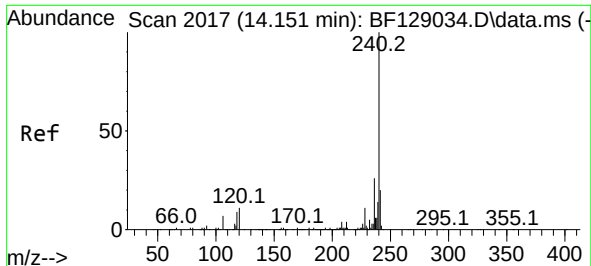


#75
 Fluoranthene
 Concen: 7.732 ng
 RT: 12.692 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: BF129185.D
 Acq: 12 Jul 2022 12:59



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





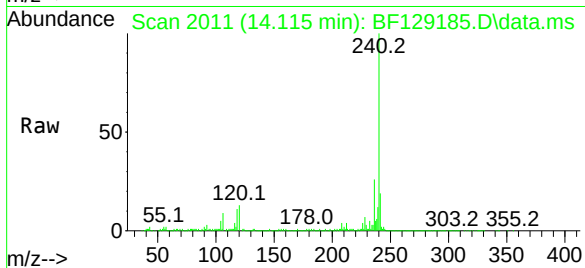
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

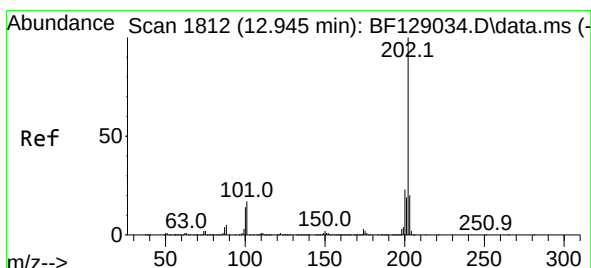
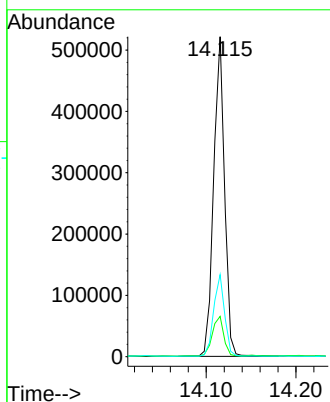
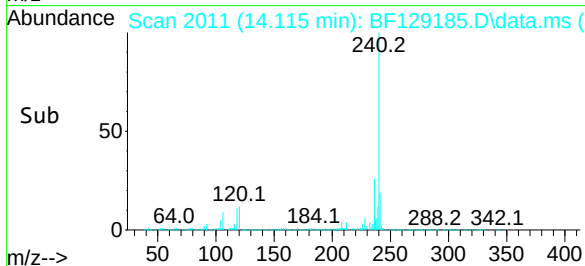


Tgt Ion:240 Resp: 441021
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 25.7 20.8 31.2

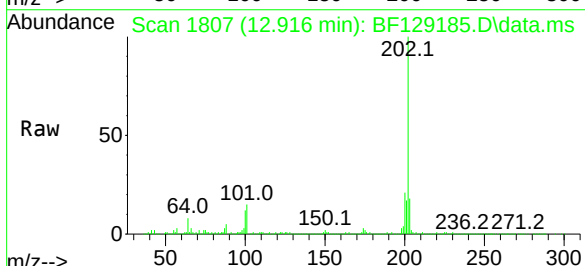
Manual Integrations

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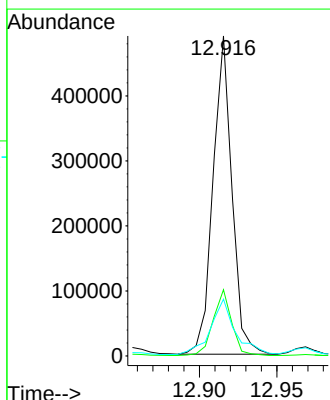
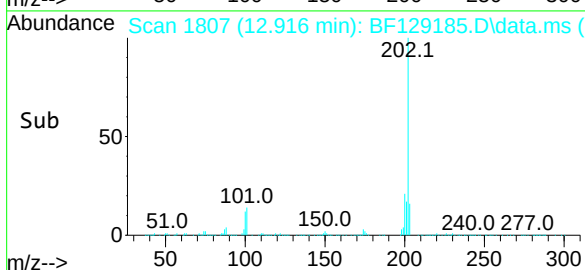
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

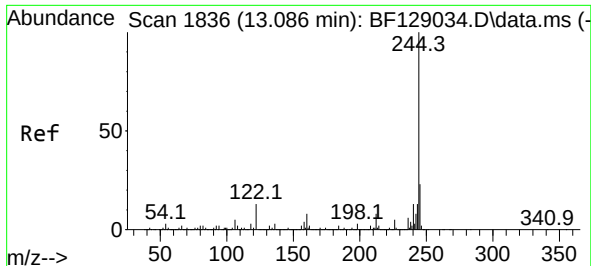


#78
Pyrene
Concen: 13.618 ng
RT: 12.916 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



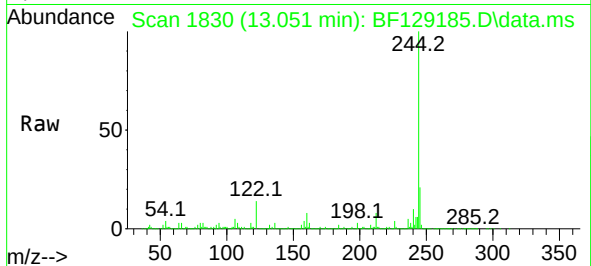
Tgt Ion:202 Resp: 416291
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.8 14.6 21.8





#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

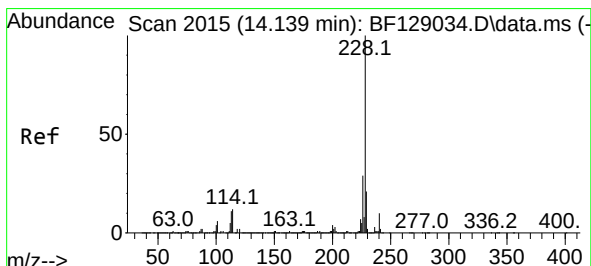
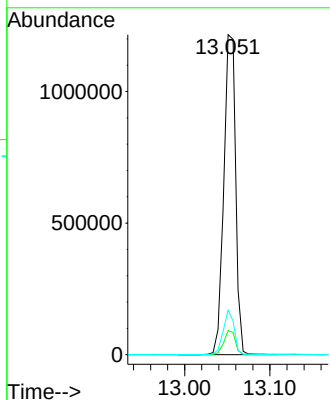
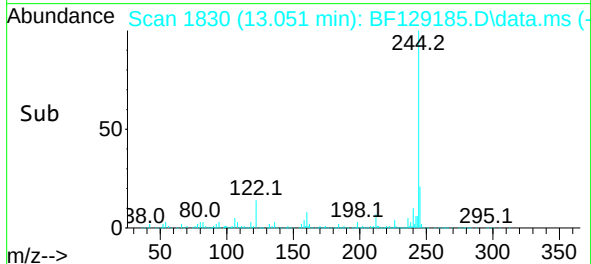
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708



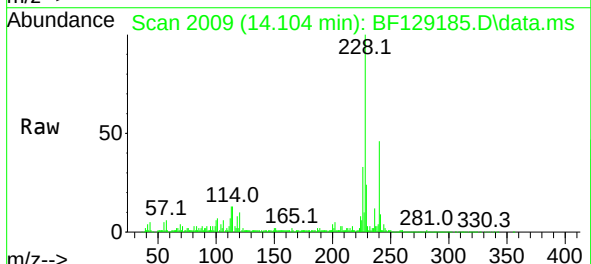
Tgt Ion:244 Resp: 1176540
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 13.9 8.8 13.2

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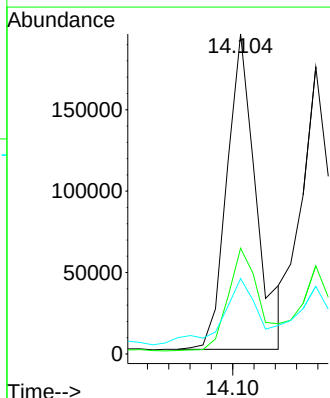
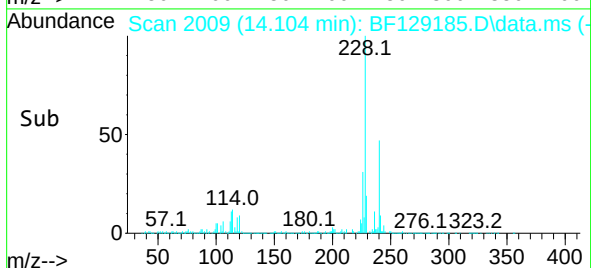
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

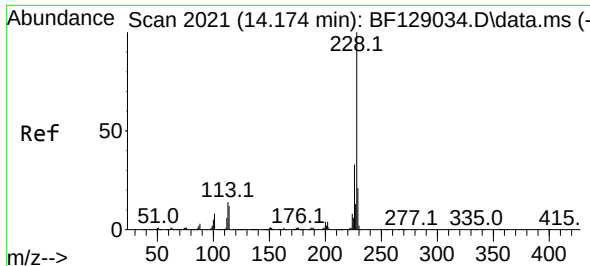


#81
Benzo(a)anthracene
Concen: 6.858 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



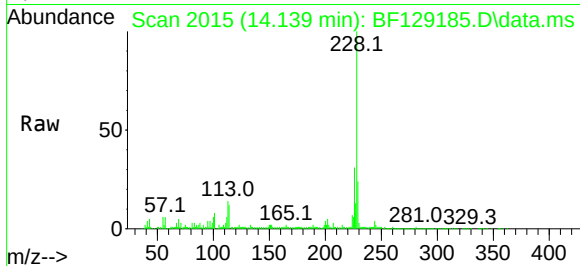
Tgt Ion:228 Resp: 184685
Ion Ratio Lower Upper
228 100
226 33.1 22.1 33.1
229 23.6 15.8 23.8





#83
Chrysene
Concen: 6.420 ng
RT: 14.139 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

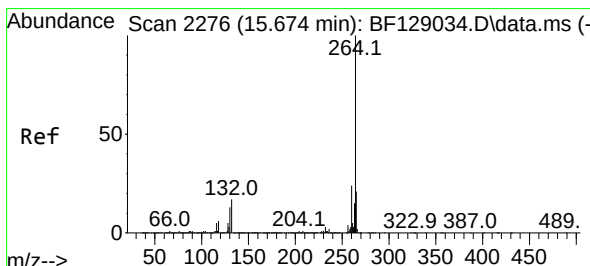
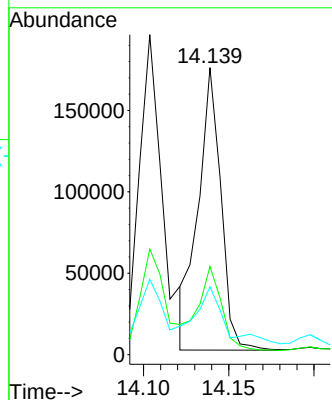
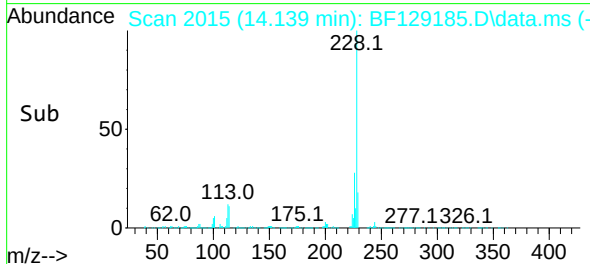
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708



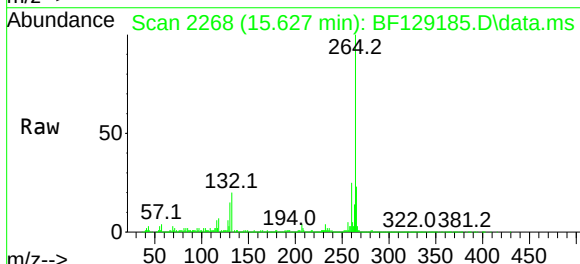
Tgt Ion:228 Resp: 16050
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 23.6 15.9 23.9

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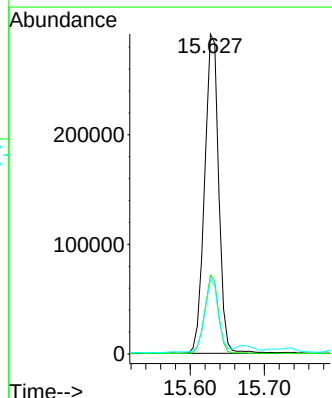
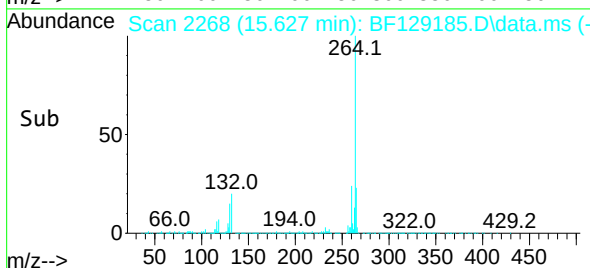
Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022

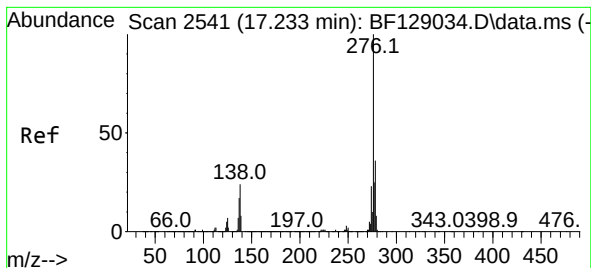


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



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# 2191

Delta R.T. -0.018 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

Instrument :

BNA_F

ClientSampleId :

CMR-TP2-0708

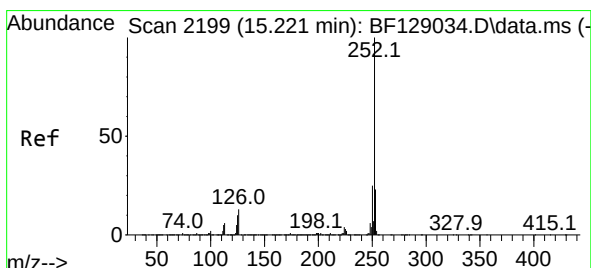
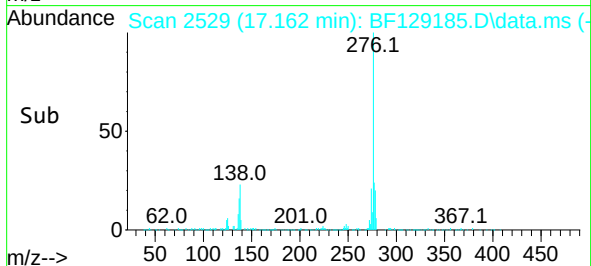
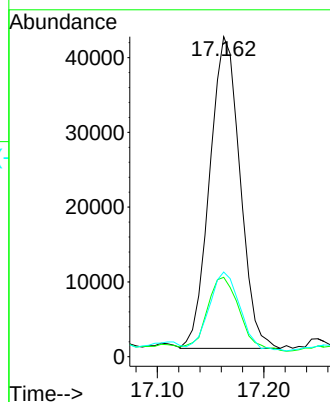
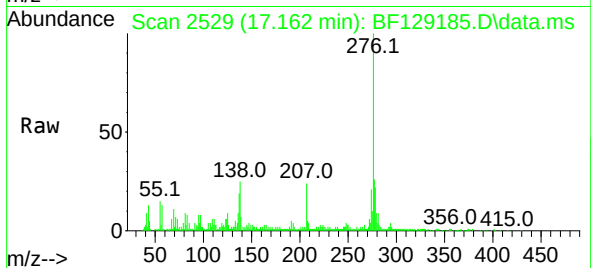
Tgt Ion:	276	Resp:	82470
Ion Ratio	Lower	Upper	
276	100		
138	25.6	21.1	31.7
277	25.9	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/13/2022

Supervised By :Jagrut Upadhyay 07/13/2022



#88

Benzo(b)fluoranthene

Concen: 6.722 ng m

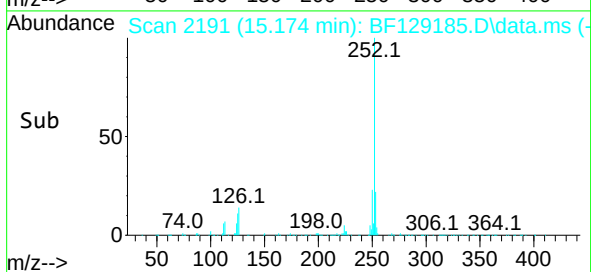
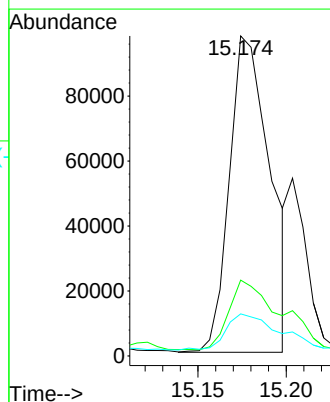
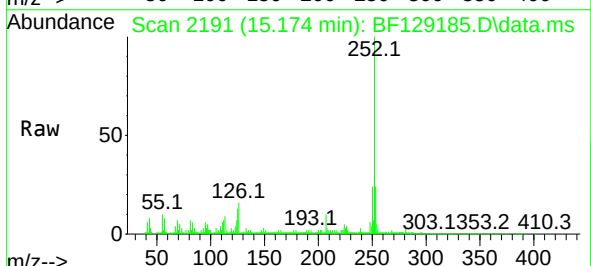
RT: 15.174 min Scan# 2191

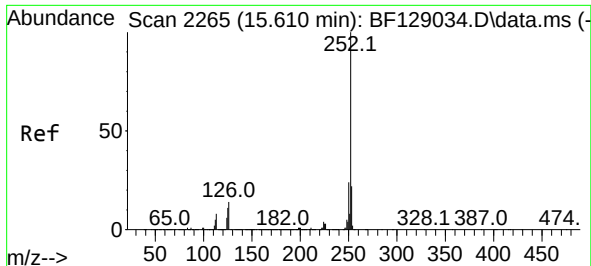
Delta R.T. -0.012 min

Lab File: BF129185.D

Acq: 12 Jul 2022 12:59

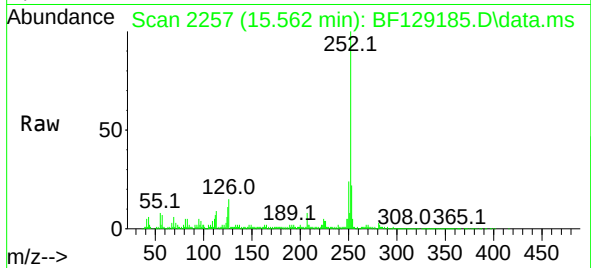
Tgt Ion:	252	Resp:	156166
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.7	26.5
125	13.1	8.0	12.0





#90
Benzo(a)pyrene
Concen: 7.746 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59

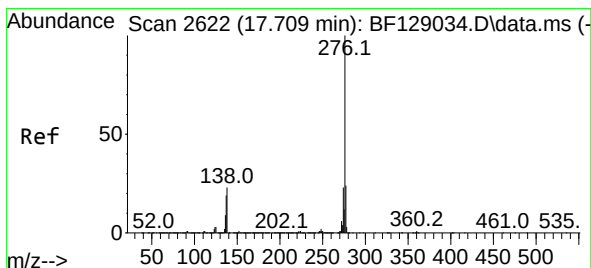
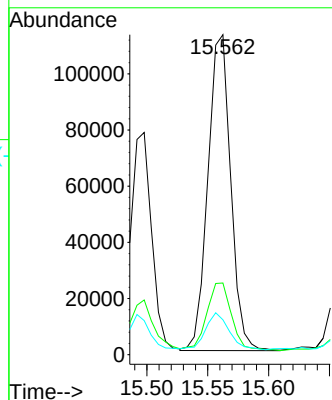
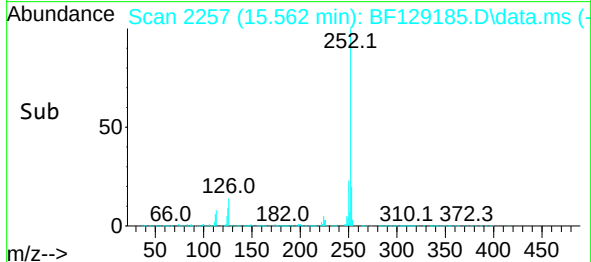
Instrument :
BNA_F
ClientSampleId :
CMR-TP2-0708



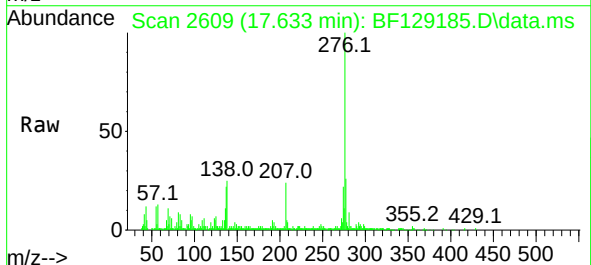
Tgt Ion:252 Resp: 146699
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.6
125 10.9 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/13/2022
Supervised By :Jagrut Upadhyay 07/13/2022



#92
Benzo(g,h,i)perylene
Concen: 4.849 ng
RT: 17.633 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF129185.D
Acq: 12 Jul 2022 12:59



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

