

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129759.D
 Acq On : 12 Aug 2022 23:12
 Operator : CG\JU
 Sample : N4152-03 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-081022

Quant Time: Aug 13 02:10:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 12 15:52:45 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	106231	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	371914	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	185526	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	347045	20.000	ng	0.00
76) Chrysene-d12	14.021	240	261923	20.000	ng	0.01
86) Perylene-d12	15.498	264	207203	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	95145	14.590	ng	0.01
7) Phenol-d6	6.492	99	111692	13.626	ng	0.00
23) Nitrobenzene-d5	7.398	82	59770	8.773	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	25068	14.054	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	115510	9.631	ng	0.00
79) Terphenyl-d14	12.945	244	157128	11.318	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.139	128	627186	33.192	ng	99
37) 2-Methylnaphthalene	8.828	142	162246	13.213	ng	100
38) 1-Methylnaphthalene	8.928	142	84551	7.133	ng	100
46) 1,1'-Biphenyl	9.292	154	41281	3.049	ng	96
49) Acenaphthylene	9.733	152	33351	2.005	ng	98
52) Acenaphthene	9.904	154	167923	15.458	ng	99
55) Dibenzofuran	10.075	168	248352	16.585	ng	97
58) Fluorene	10.422	166	310451	25.911	ng	99
71) Phenanthrene	11.392	178	1710376	90.285	ng	99
72) Anthracene	11.439	178	522833	28.084	ng	99
73) Carbazole	11.598	167	204175	11.651	ng	99
75) Fluoranthene	12.592	202	1592386	82.959	ng	99
78) Pyrene	12.821	202	1273102	58.125	ng	99
81) Benzo(a)anthracene	14.010	228	621290	34.725	ng	98
83) Chrysene	14.045	228	419013	24.849	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	177979	12.755	ng	94
88) Benzo(b)fluoranthene	15.068	252	454099m	33.039	ng	
89) Benzo(k)fluoranthene	15.092	252	167690m	12.450	ng	
90) Benzo(a)pyrene	15.433	252	333137	29.858	ng	# 95
91) Dibenzo(a,h)anthracene	16.986	278	49157	4.328	ng	# 71
92) Benzo(g,h,i)perylene	17.439	276	157816	13.599	ng	99

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

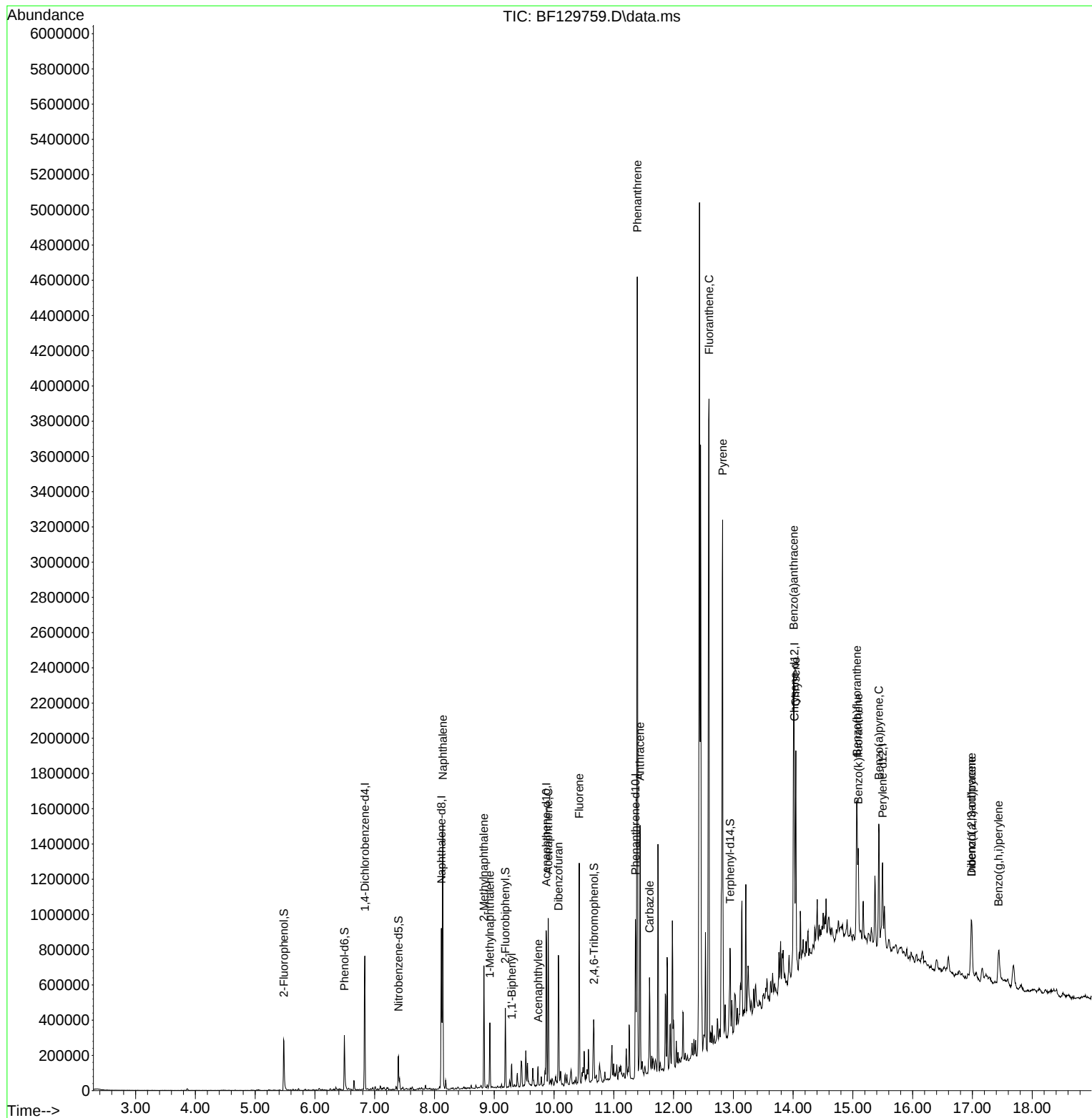
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
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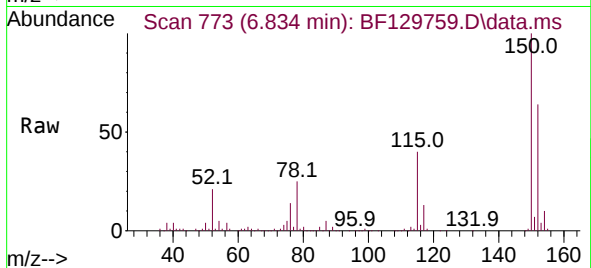
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

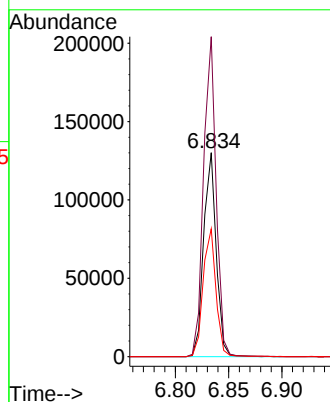
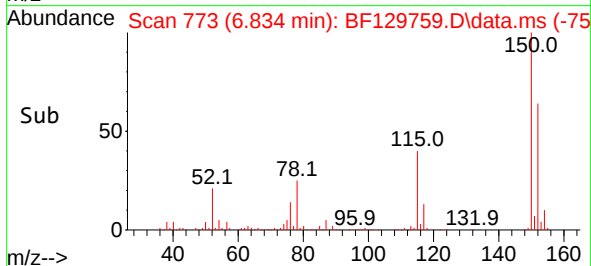
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



Tgt Ion:152 Resp: 106231
Ion Ratio Lower Upper
152 100
150 156.9 123.7 185.5
115 62.6 49.9 74.9

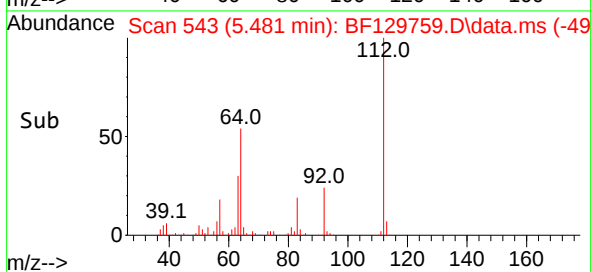
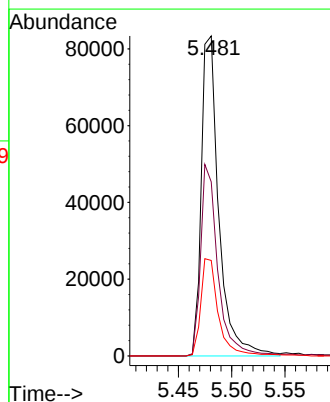
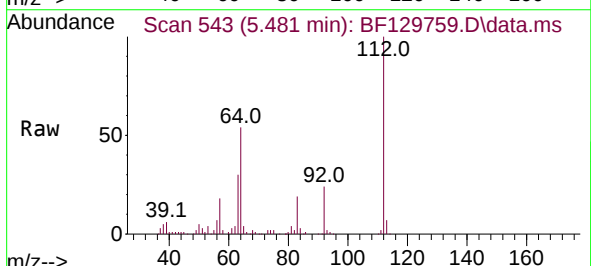
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#5
2-Fluorophenol
Concen: 14.590 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.012 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

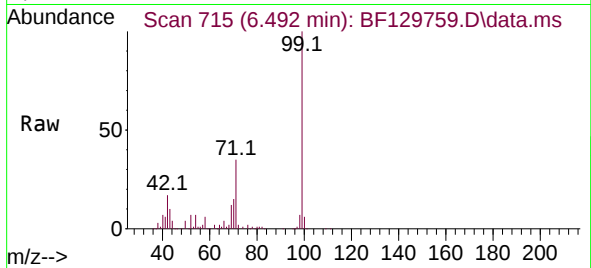
Tgt Ion:112 Resp: 95145
Ion Ratio Lower Upper
112 100
64 54.4 53.3 79.9
63 29.8 28.0 42.0





#7
Phenol-d6
Concen: 13.626 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.000 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

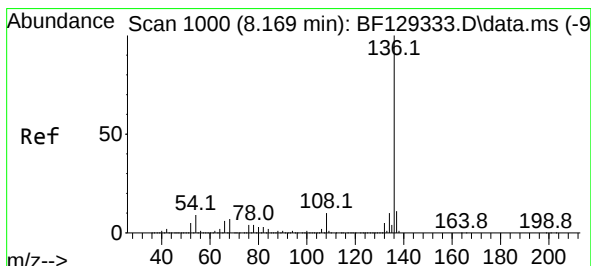
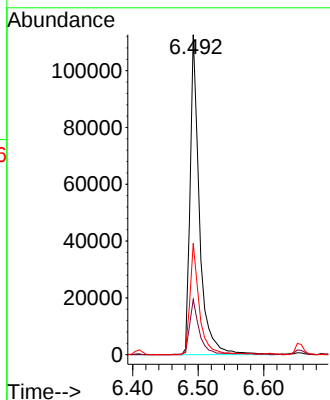
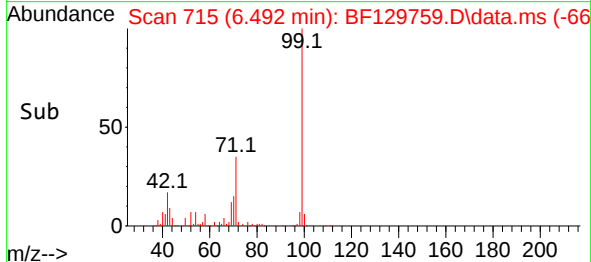
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



Tgt Ion: 99 Resp: 111692
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9#
71 34.8 28.9 43.3

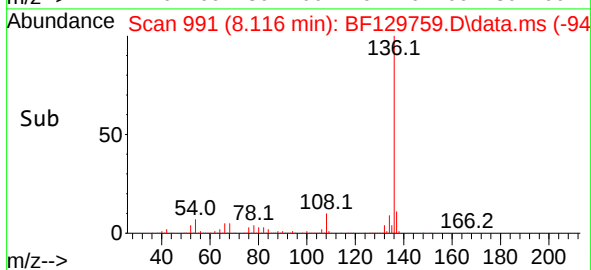
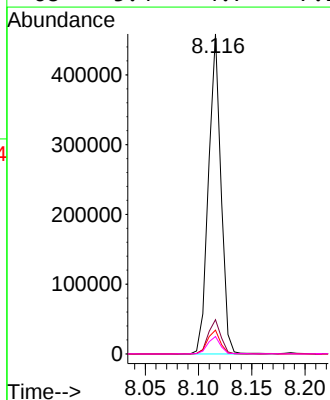
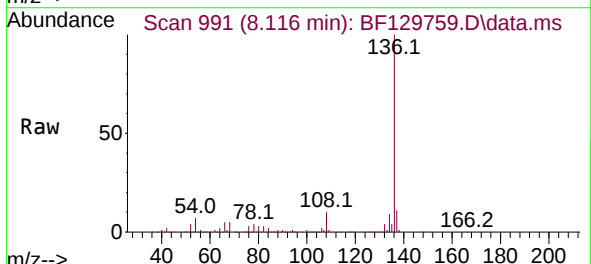
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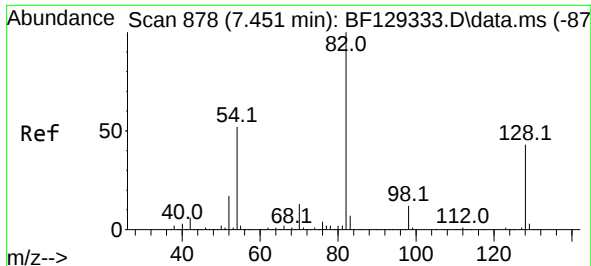
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

Tgt Ion:136 Resp: 371914
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.4 7.5 11.3#
68 5.4 4.7 7.1





#23
Nitrobenzene-d5
Concen: 8.773 ng
RT: 7.398 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

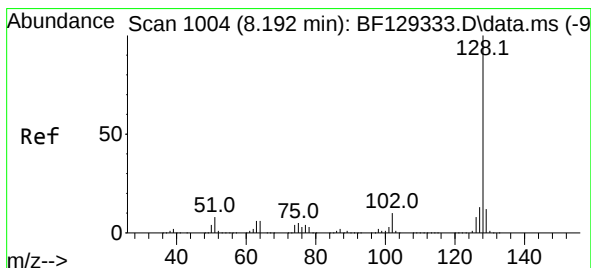
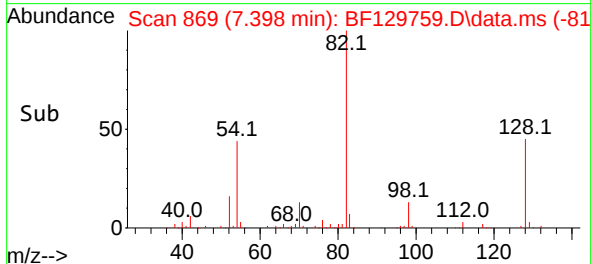
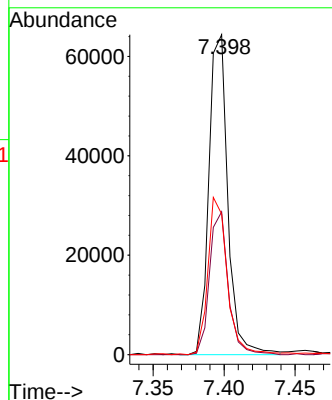
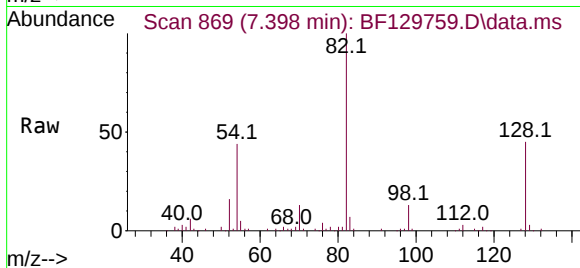
EO-03-081022

Tgt Ion: 82 Resp: 59776
Ion Ratio Lower Upper
82 100
128 44.6 34.0 51.0
54 43.9 46.9 70.3

Manual Integrations

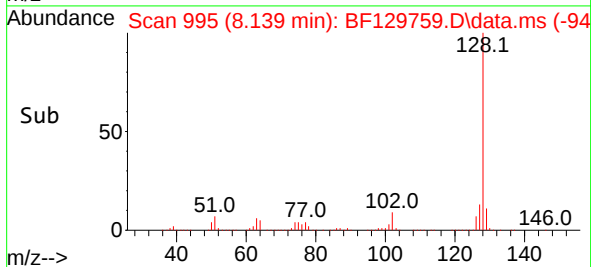
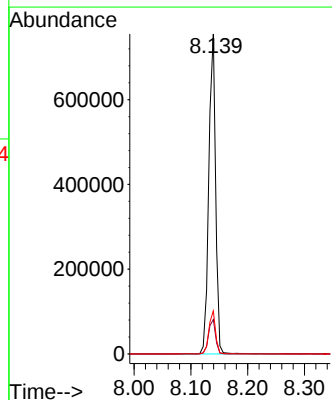
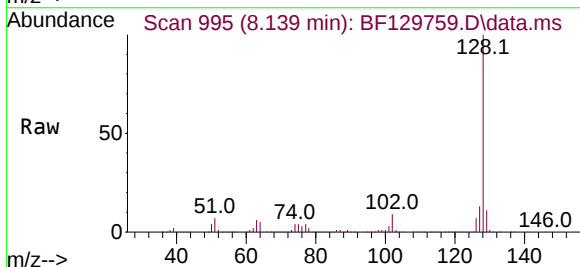
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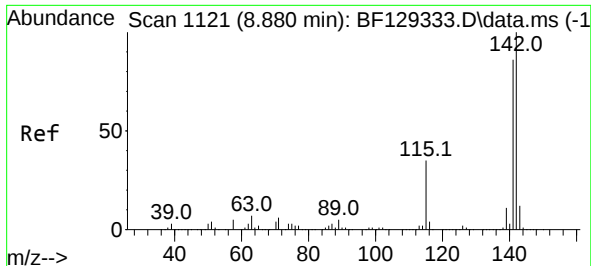
Reviewed By :Jagrut Upadhyay 08/15/2022
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#31
Naphthalene
Concen: 33.192 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.000 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

Tgt Ion:128 Resp: 627186
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 13.4 10.5 15.7





#37

2-Methylnaphthalene

Concen: 13.213 ng

RT: 8.828 min Scan# 1112

Delta R.T. -0.000 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-081022

Tgt Ion:142 Resp: 162246

Ion Ratio Lower Upper

142 100

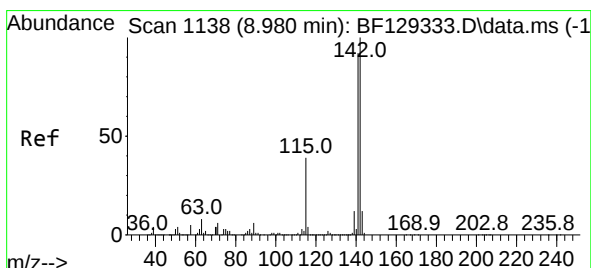
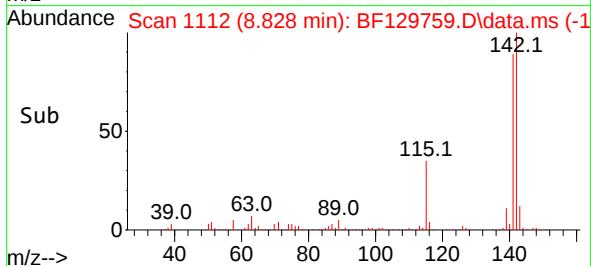
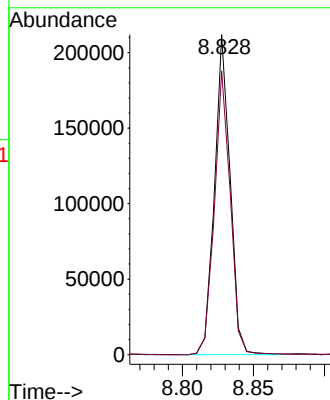
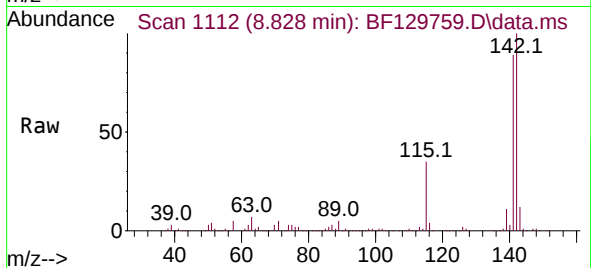
141 88.7 71.0 106.4

Manual Integrations

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#38

1-Methylnaphthalene

Concen: 7.133 ng

RT: 8.928 min Scan# 1129

Delta R.T. -0.000 min

Lab File: BF129759.D

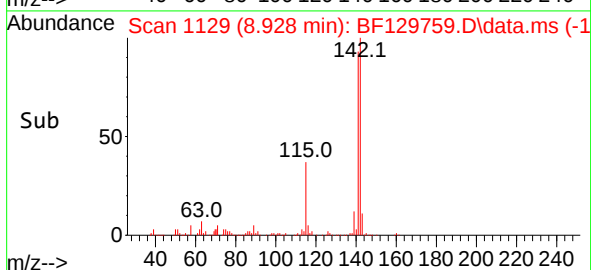
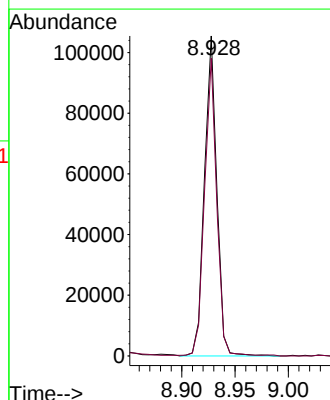
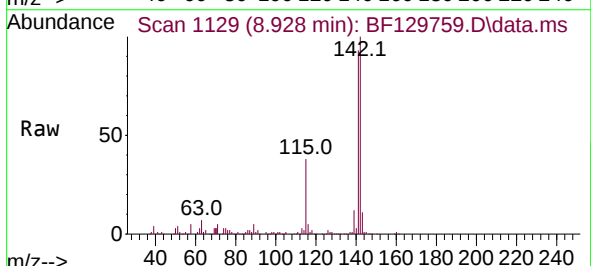
Acq: 12 Aug 2022 23:12

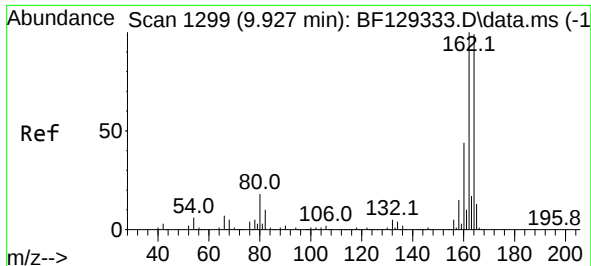
Tgt Ion:142 Resp: 84551

Ion Ratio Lower Upper

142 100

141 93.0 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BF129759.D

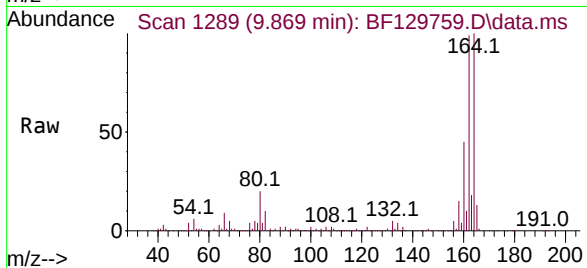
Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-081022



Tgt Ion:164 Resp: 185526

Ion Ratio Lower Upper

164 100

162 99.2 79.5 119.3

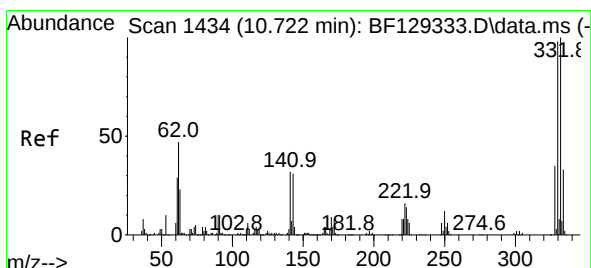
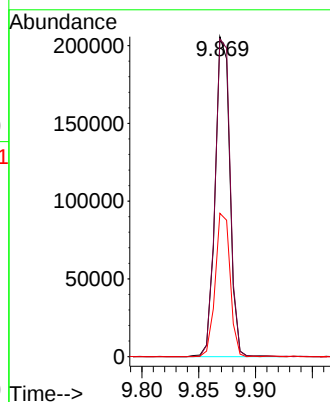
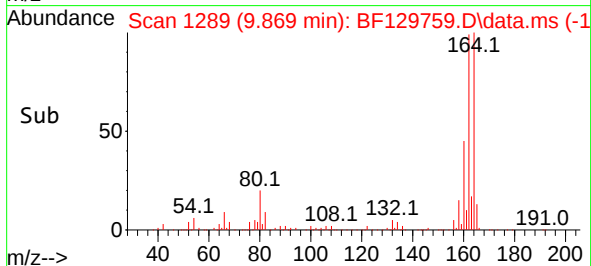
160 44.8 34.2 51.4

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 14.054 ng

RT: 10.669 min Scan# 1425

Delta R.T. -0.000 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

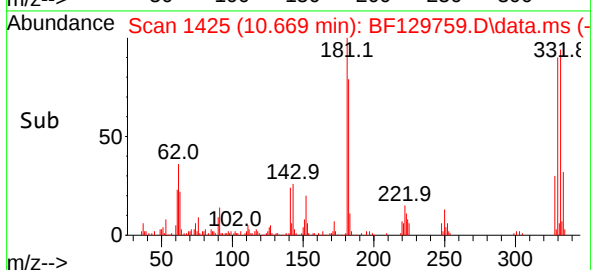
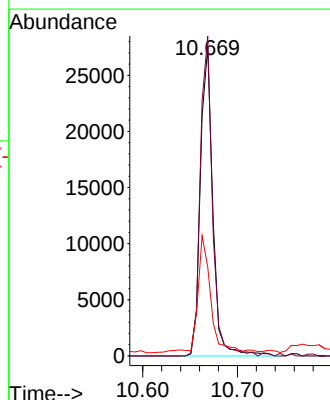
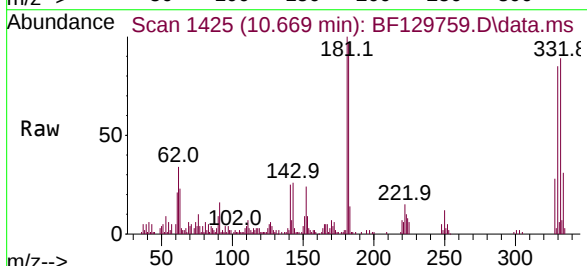
Tgt Ion:330 Resp: 25068

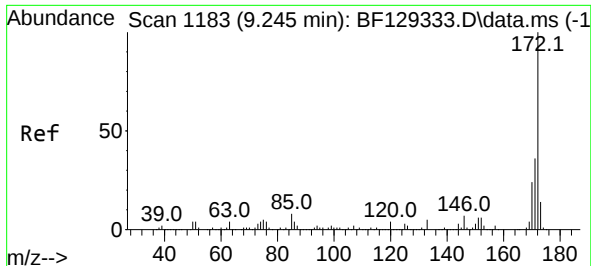
Ion Ratio Lower Upper

330 100

332 101.2 76.8 115.2

141 39.8 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 9.631 ng

RT: 9.186 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129759.D

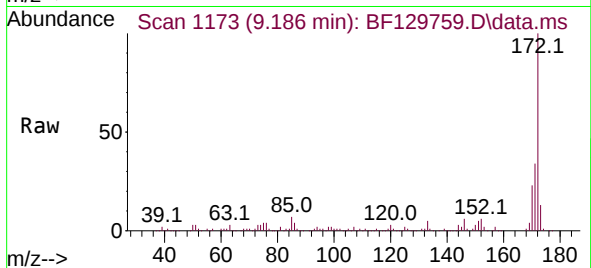
Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-081022



Tgt Ion:172 Resp: 115510

Ion Ratio Lower Upper

172 100

171 34.1 28.8 43.2

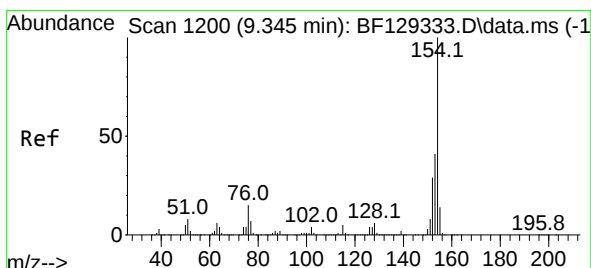
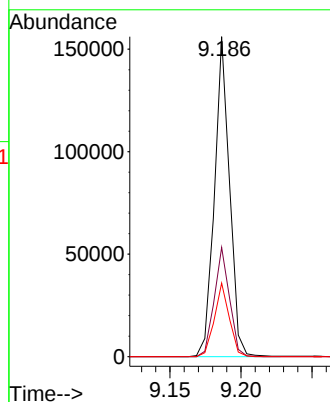
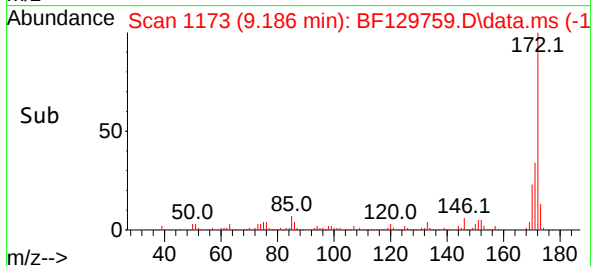
170 23.0 19.8 29.8

Manual Integrations

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#46

1,1'-Biphenyl

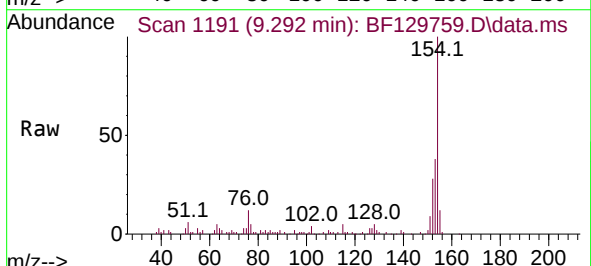
Concen: 3.049 ng

RT: 9.292 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12



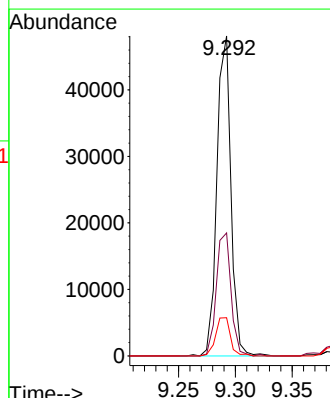
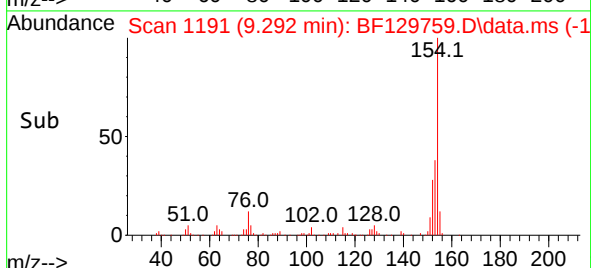
Tgt Ion:154 Resp: 41281

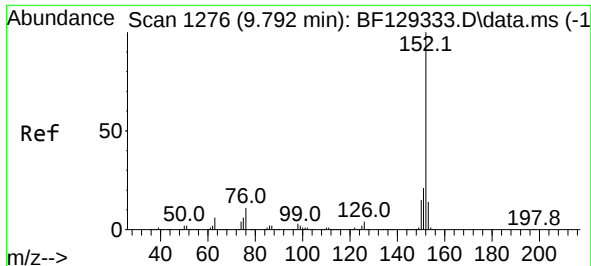
Ion Ratio Lower Upper

154 100

153 38.4 20.6 60.6

76 11.9 0.0 33.3





#49

Acenaphthylene

Concen: 2.005 ng

RT: 9.733 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

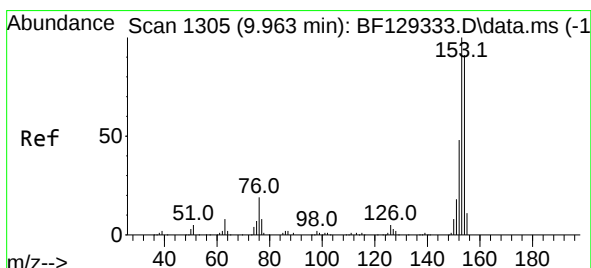
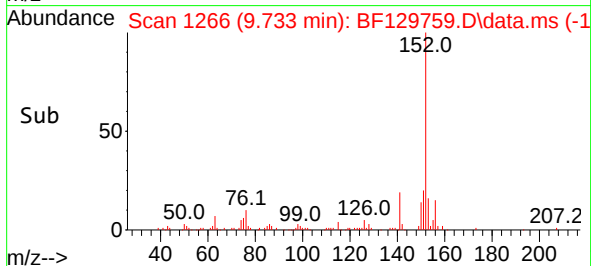
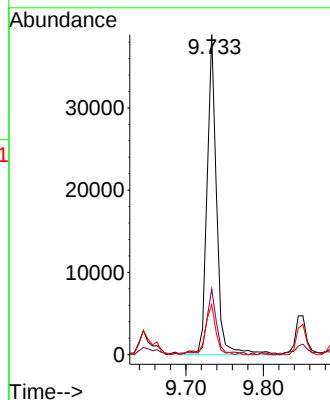
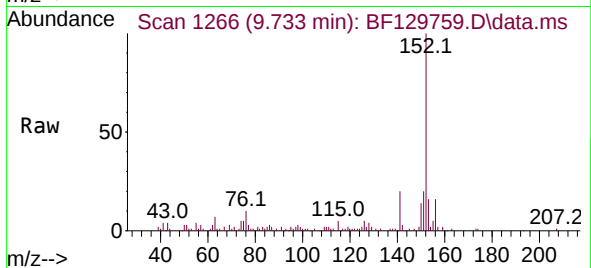
EO-03-081022

Tgt Ion:	152	Resp:	3335
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.2	24.4
153	15.7	10.7	16.1

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#52

Acenaphthene

Concen: 15.458 ng

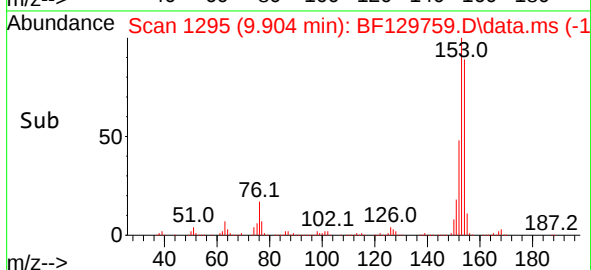
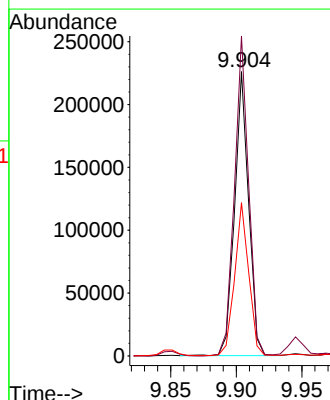
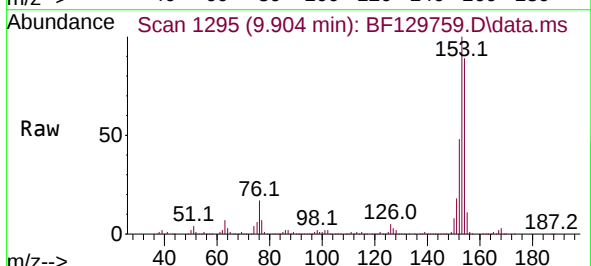
RT: 9.904 min Scan# 1295

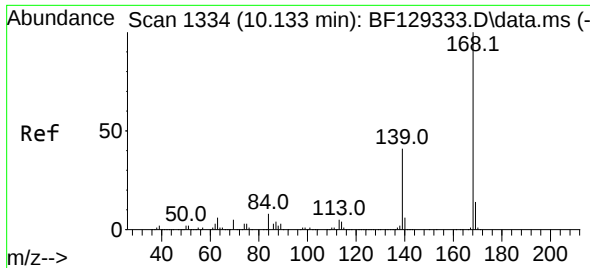
Delta R.T. -0.000 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

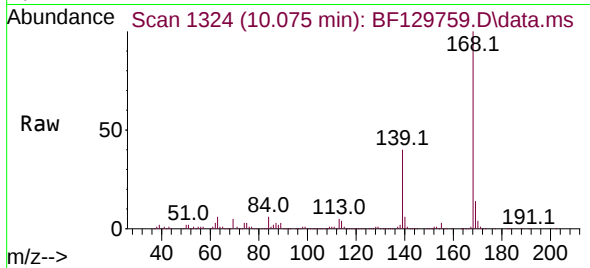
Tgt Ion:	154	Resp:	167923
Ion Ratio	Lower	Upper	
154	100		
153	112.6	89.6	134.4
152	53.9	42.4	63.6





#55
Dibenzofuran
Concen: 16.585 ng
RT: 10.075 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

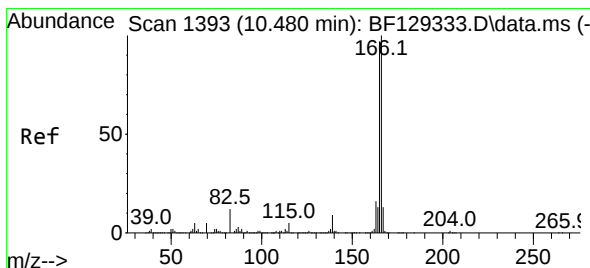
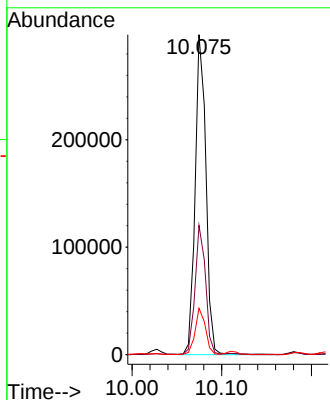
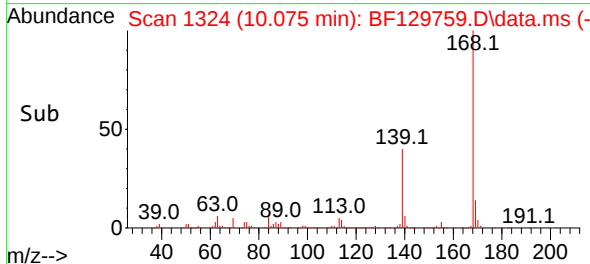
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



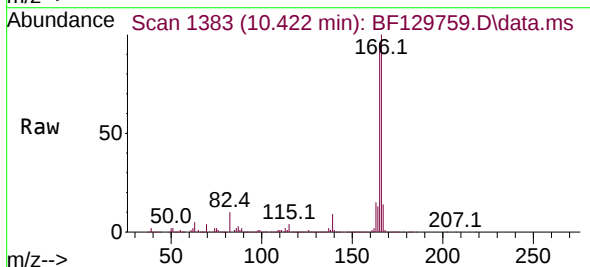
Tgt Ion:168 Resp: 248352
Ion Ratio Lower Upper
168 100
139 40.4 30.6 46.0
169 14.5 11.0 16.6

Manual Integrations
APPROVED

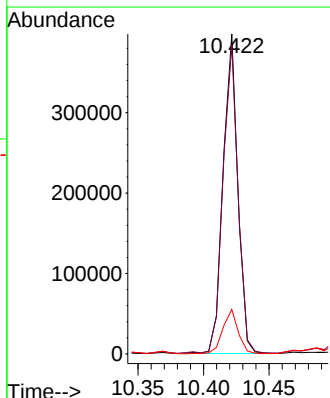
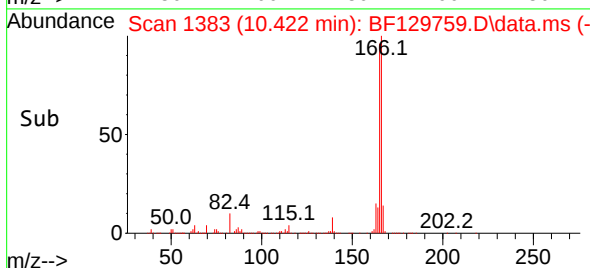
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

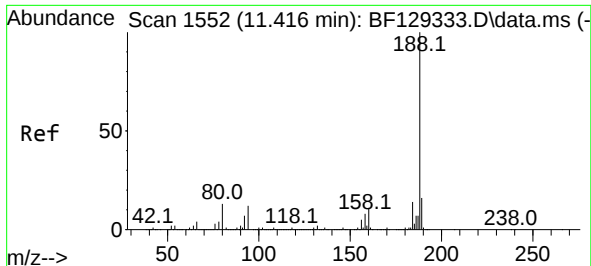


#58
Fluorene
Concen: 25.911 ng
RT: 10.422 min Scan# 1383
Delta R.T. -0.000 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12



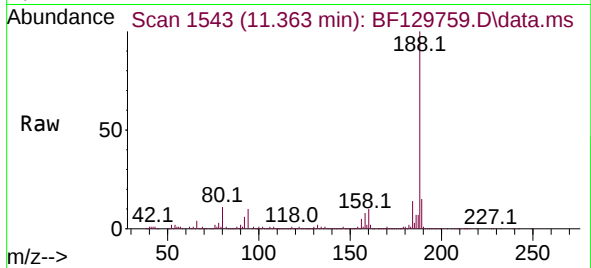
Tgt Ion:166 Resp: 310451
Ion Ratio Lower Upper
166 100
165 96.4 78.1 117.1
167 13.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

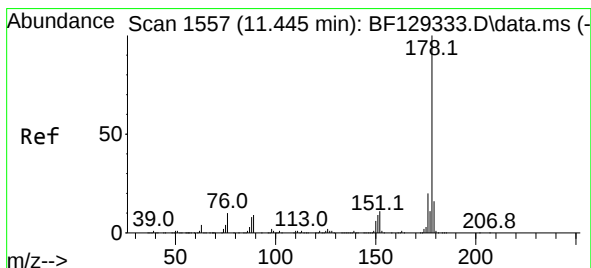
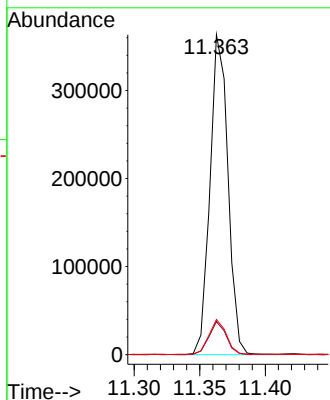
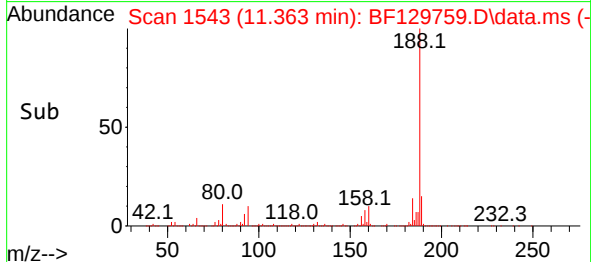
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



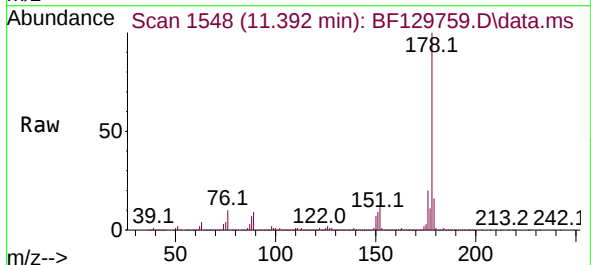
Tgt Ion:188 Resp: 347045
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 11.0 7.6 11.4

Manual Integrations
APPROVED

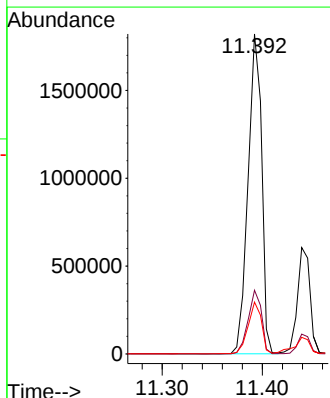
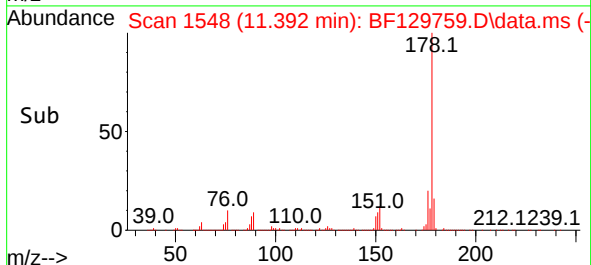
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

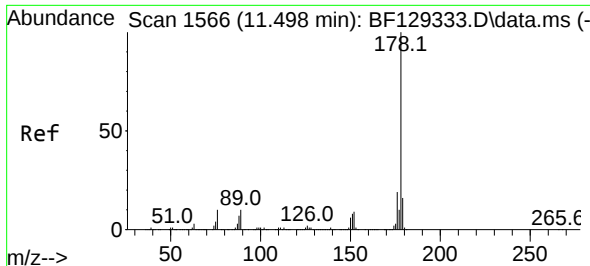


#71
Phenanthrene
Concen: 90.285 ng
RT: 11.392 min Scan# 1548
Delta R.T. 0.006 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12



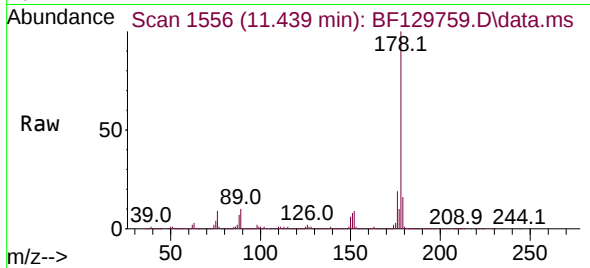
Tgt Ion:178 Resp: 1710376
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.2 12.6 19.0





#72
 Anthracene
 Concen: 28.084 ng
 RT: 11.439 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF129759.D
 Acq: 12 Aug 2022 23:12

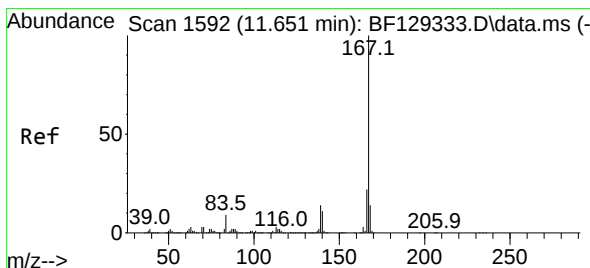
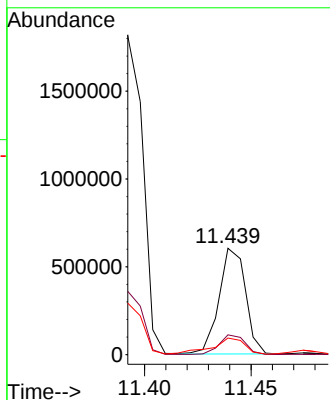
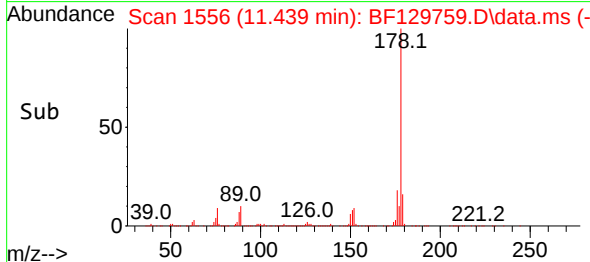
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-081022



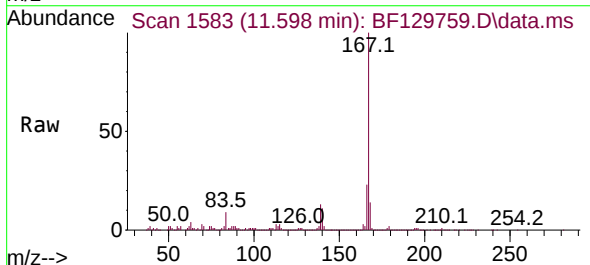
Tgt Ion:178 Resp: 522833
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.6 12.6 19.0

Manual Integrations
 APPROVED

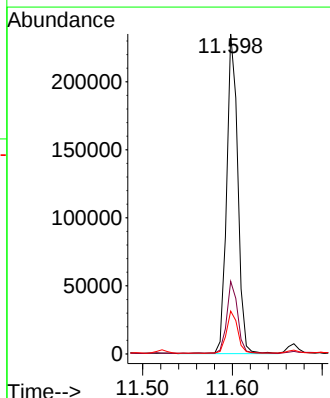
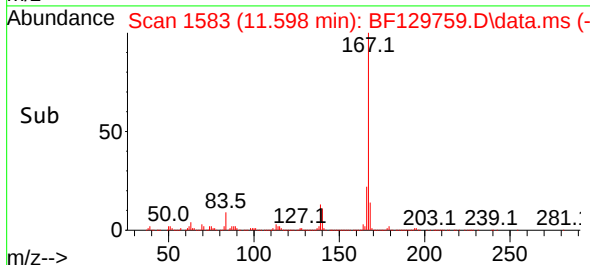
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

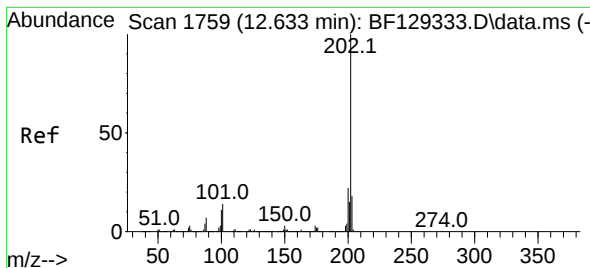


#73
 Carbazole
 Concen: 11.651 ng
 RT: 11.598 min Scan# 1583
 Delta R.T. -0.000 min
 Lab File: BF129759.D
 Acq: 12 Aug 2022 23:12



Tgt Ion:167 Resp: 204175
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.7 26.5
 139 13.4 11.2 16.8





#75

Fluoranthene

Concen: 82.959 ng

RT: 12.592 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-081022

Tgt Ion:202 Resp: 1592386

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

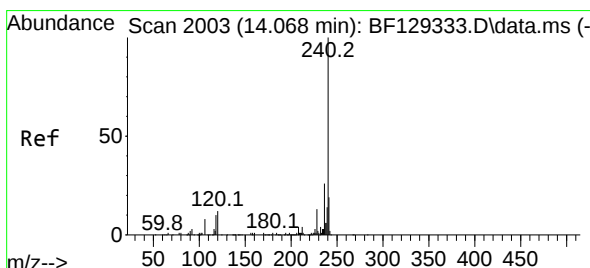
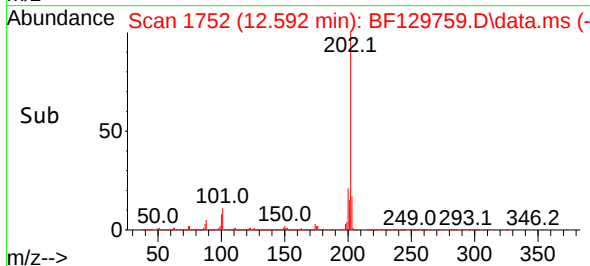
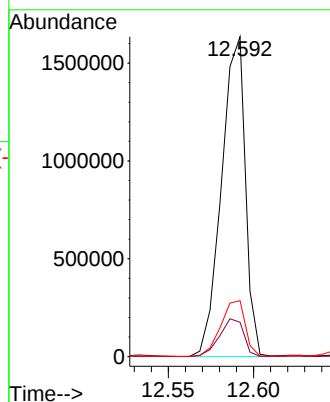
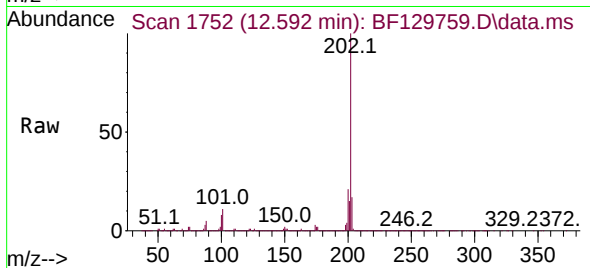
203 17.5 0.0 38.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022

Supervised By :Sohil Jodhani 08/16/2022



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.021 min Scan# 1995

Delta R.T. 0.012 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

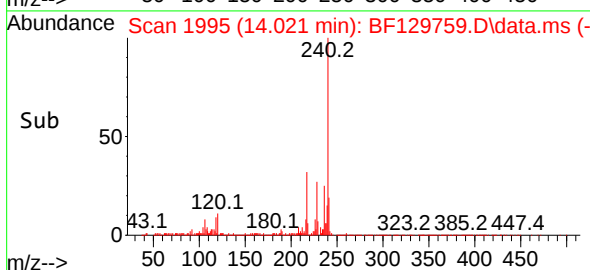
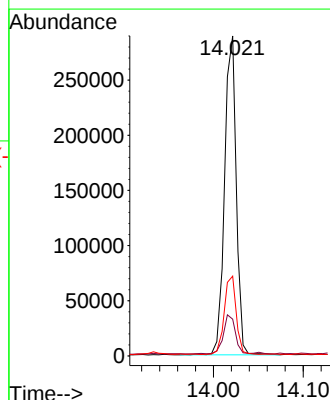
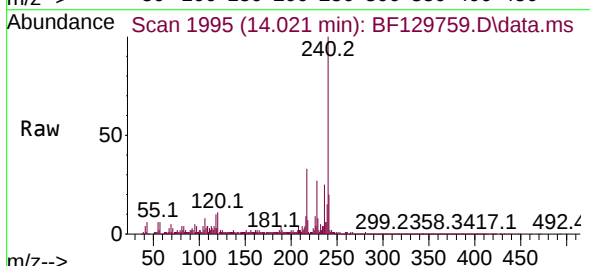
Tgt Ion:240 Resp: 261923

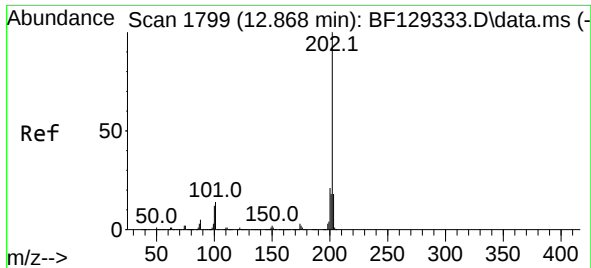
Ion Ratio Lower Upper

240 100

120 11.5 8.9 13.3

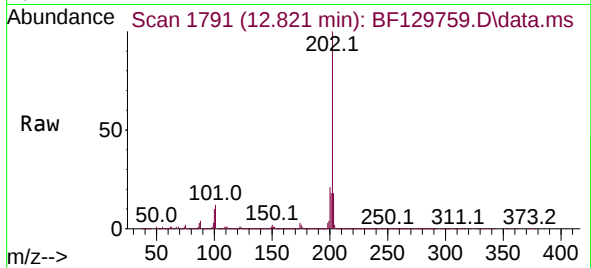
236 24.9 20.8 31.2





#78
Pyrene
Concen: 58.125 ng
RT: 12.821 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

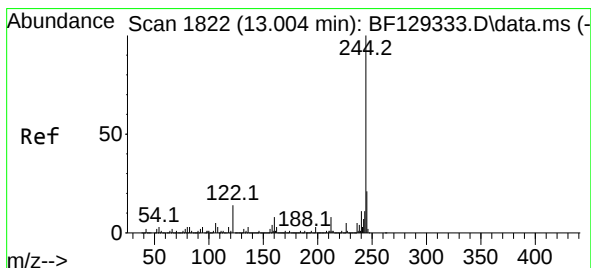
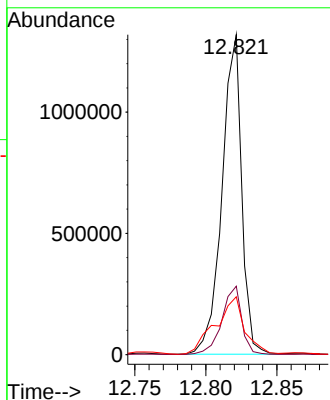
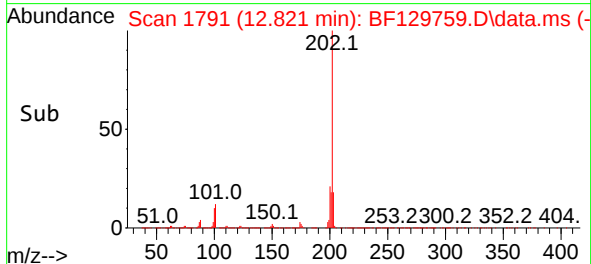
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



Tgt Ion:202 Resp: 1273102
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 18.1 14.6 21.8

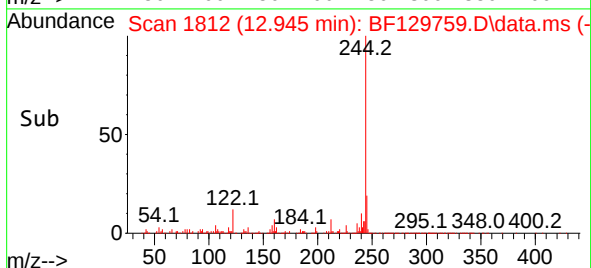
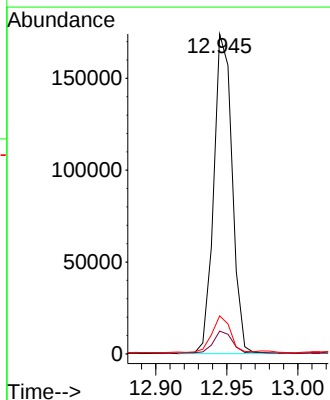
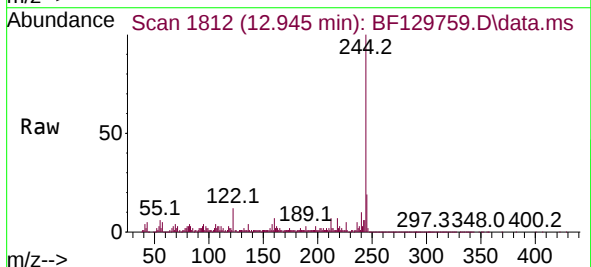
Manual Integrations
APPROVED

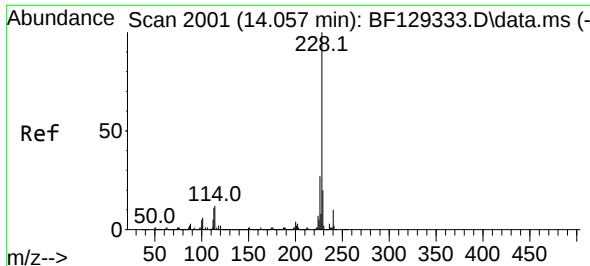
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#79
Terphenyl-d14
Concen: 11.318 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

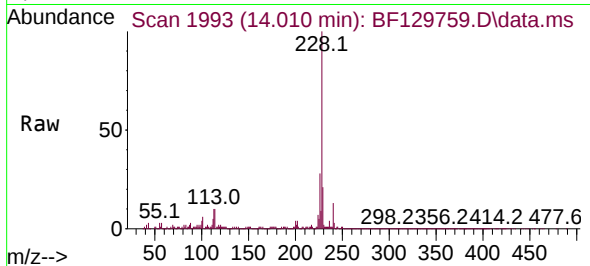
Tgt Ion:244 Resp: 157128
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 11.9 8.8 13.2





#81
Benzo(a)anthracene
Concen: 34.725 ng
RT: 14.010 min Scan# 1993
Delta R.T. 0.012 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

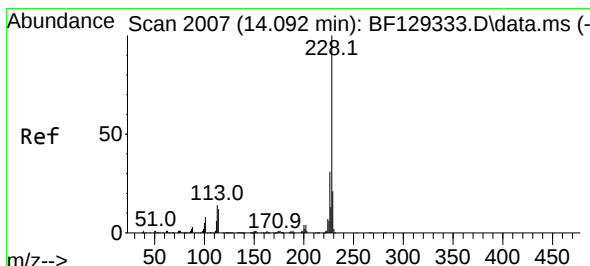
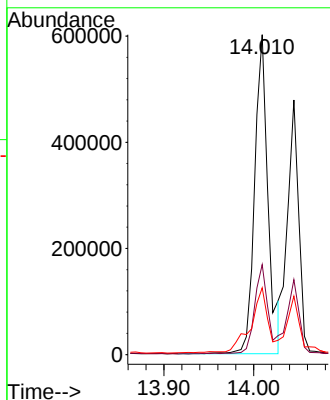
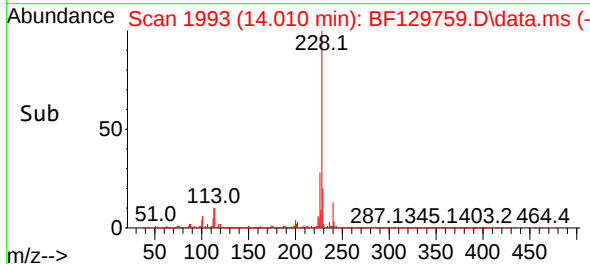
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



Tgt Ion:228 Resp: 621290
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.9 15.8 23.8

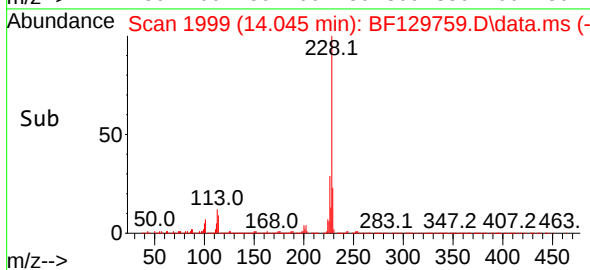
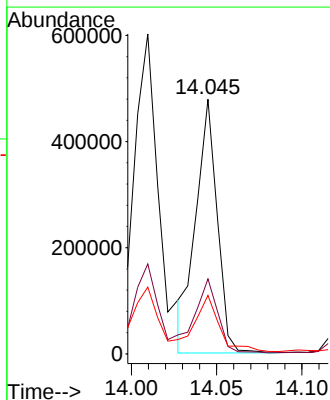
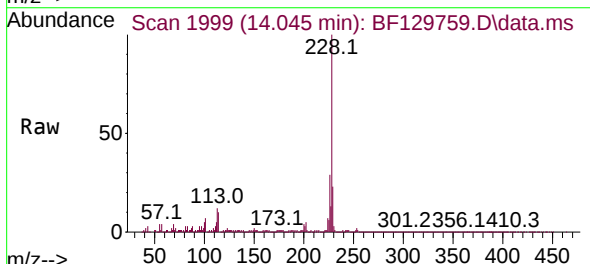
Manual Integrations
APPROVED

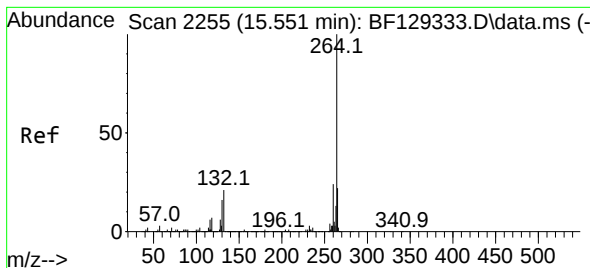
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#83
Chrysene
Concen: 24.849 ng
RT: 14.045 min Scan# 1999
Delta R.T. 0.006 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

Tgt Ion:228 Resp: 419013
Ion Ratio Lower Upper
228 100
226 29.4 24.3 36.5
229 23.0 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

Instrument :

BNA_F

ClientSampleId :

EO-03-081022

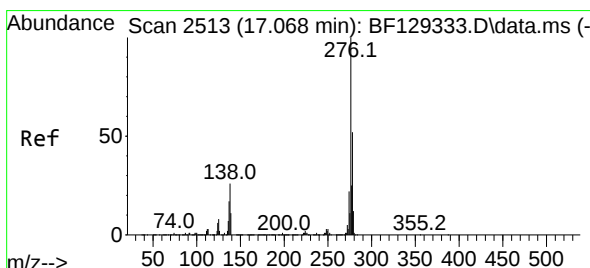
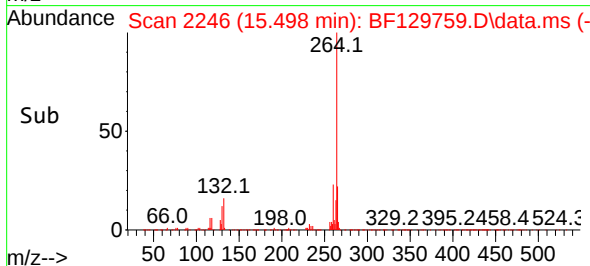
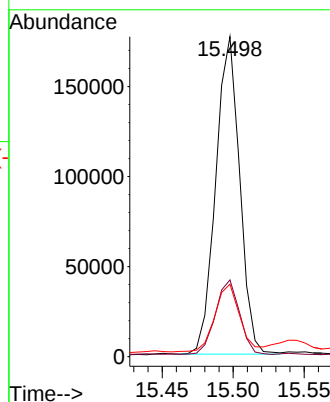
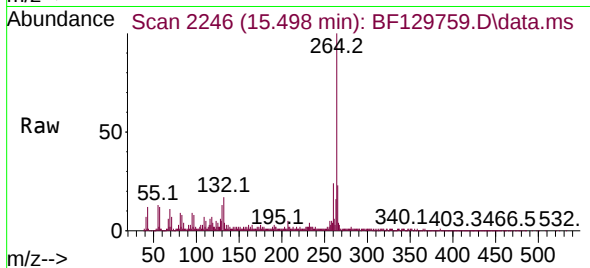
Tgt Ion: 264 Resp: 207203

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.4	27.6
265	22.6	17.2	25.8

Manual Integrations

APPROVED

Reviewed By : Jagrut Upadhyay 08/15/2022
Supervised By : Sohil Jodhani 08/16/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.755 ng

RT: 16.986 min Scan# 2499

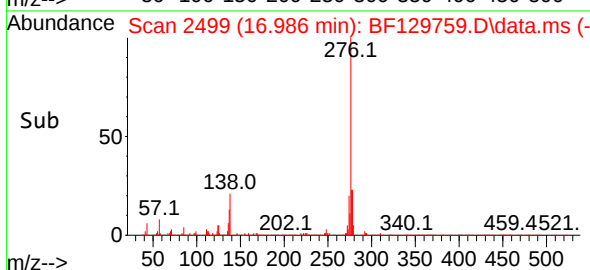
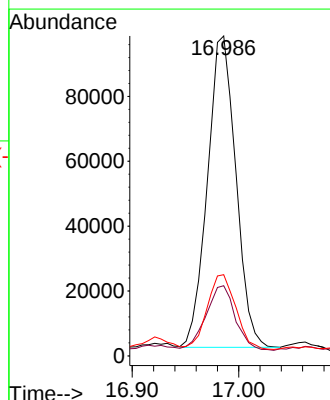
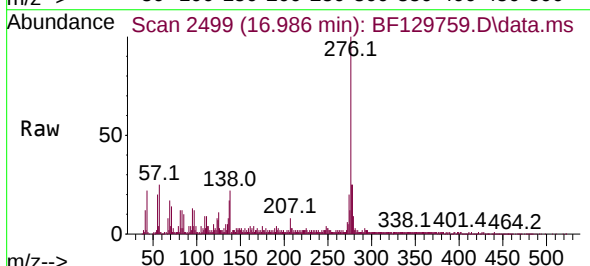
Delta R.T. 0.012 min

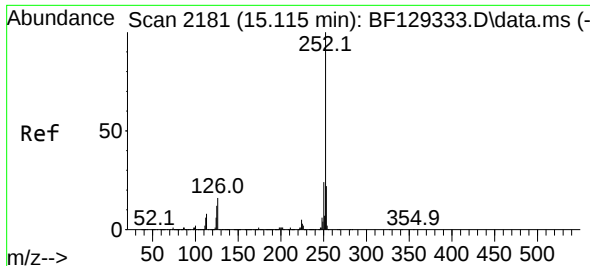
Lab File: BF129759.D

Acq: 12 Aug 2022 23:12

Tgt Ion: 276 Resp: 177979

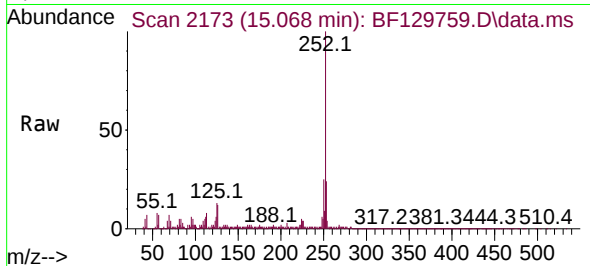
Ion	Ratio	Lower	Upper
276	100		
138	21.4	21.1	31.7
277	24.3	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 33.039 ng m
RT: 15.068 min Scan# 2177
Delta R.T. 0.018 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

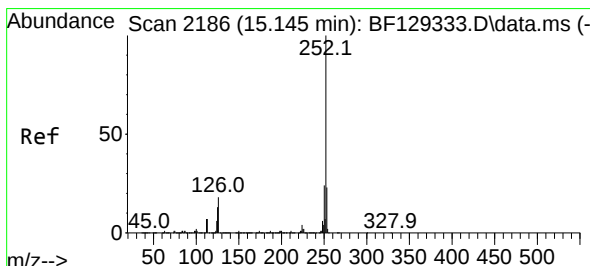
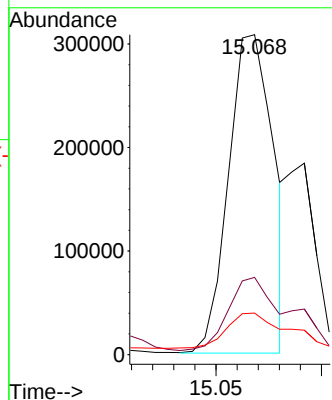
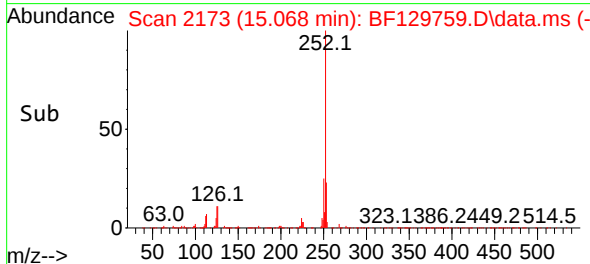
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



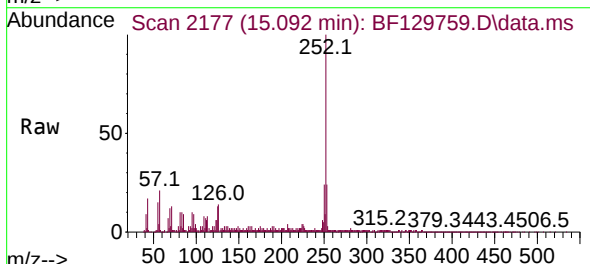
Tgt Ion:252 Resp: 454099
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 13.0 8.0 12.0

Manual Integrations
APPROVED

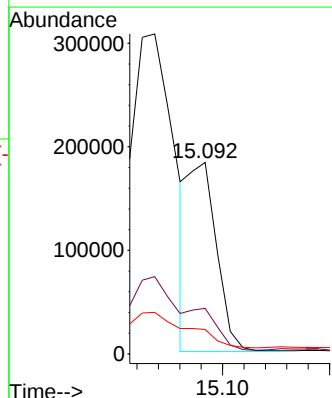
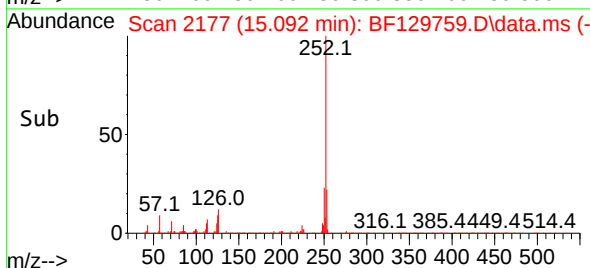
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

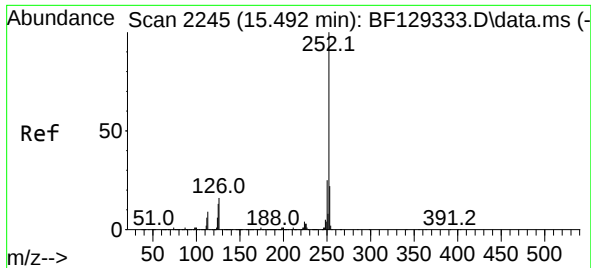


#89
Benzo(k)fluoranthene
Concen: 12.450 ng m
RT: 15.092 min Scan# 2177
Delta R.T. 0.012 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12



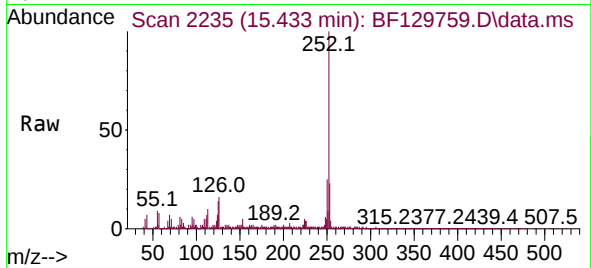
Tgt Ion:252 Resp: 167690
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 12.7 8.3 12.5





#90
Benzo(a)pyrene
Concen: 29.858 ng
RT: 15.433 min Scan# 2499
Delta R.T. 0.012 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

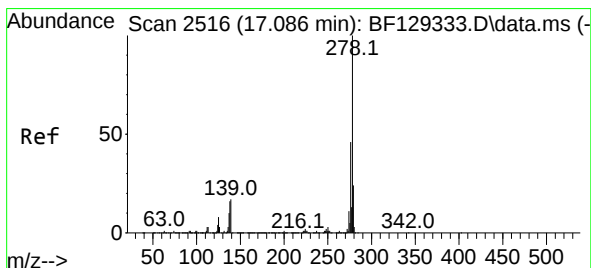
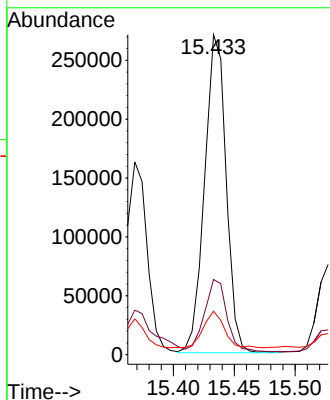
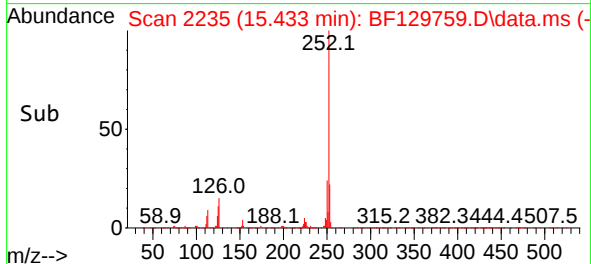
Instrument :
BNA_F
ClientSampleId :
EO-03-081022



Tgt Ion:252 Resp: 333137
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 13.5 8.8 13.2

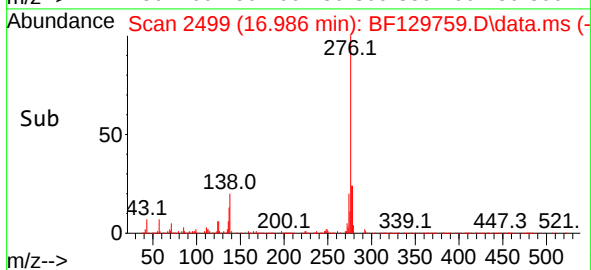
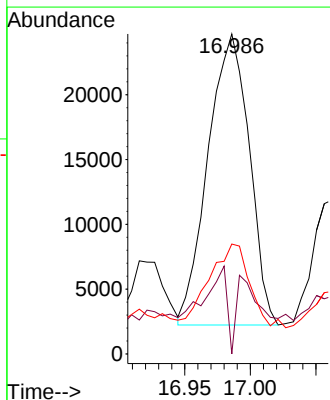
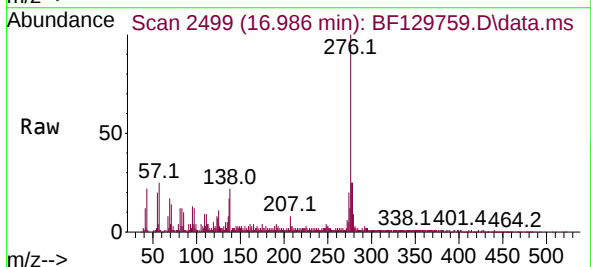
Manual Integrations
APPROVED

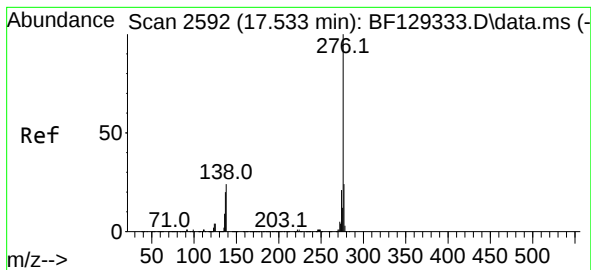
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.328 ng
RT: 16.986 min Scan# 2499
Delta R.T. 0.006 min
Lab File: BF129759.D
Acq: 12 Aug 2022 23:12

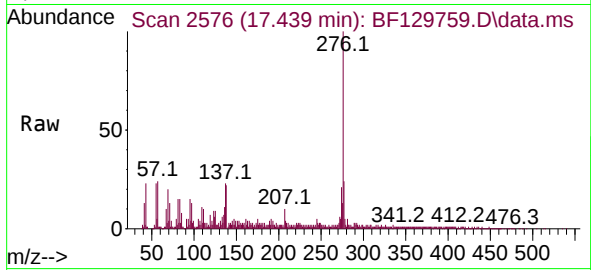
Tgt Ion:278 Resp: 49157
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 34.3 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 13.599 ng
 RT: 17.439 min Scan# 2576
 Delta R.T. 0.018 min
 Lab File: BF129759.D
 Acq: 12 Aug 2022 23:12

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-081022



Tgt Ion: 276 Resp: 157816

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	22.2	18.0	27.0

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

