

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
 Data File : BF129756.D
 Acq On : 12 Aug 2022 21:35
 Operator : CG\JU
 Sample : N4152-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081022

Manual Integrations
 APPROVED

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

Quant Time: Aug 13 02:09:01 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	111981	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	376447	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	170407	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	303445	20.000	ng	0.00
76) Chrysene-d12	14.016	240	245434	20.000	ng	0.00
86) Perylene-d12	15.492	264	175604	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	360166	52.394	ng	0.00
7) Phenol-d6	6.487	99	410171	47.471	ng	0.00
23) Nitrobenzene-d5	7.393	82	245498	35.600	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	88888	54.255	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	432433	39.256	ng	0.00
79) Terphenyl-d14	12.945	244	535143	41.135	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.728	152	48219	3.156	ng	97
52) Acenaphthene	9.898	154	22697	2.275	ng	97
58) Fluorene	10.416	166	43568	3.959	ng	99
71) Phenanthrene	11.386	178	476703	28.779	ng	98
72) Anthracene	11.433	178	129677	7.966	ng	98
73) Carbazole	11.598	167	62701	4.092	ng	99
75) Fluoranthene	12.580	202	753627	44.903	ng	99
78) Pyrene	12.810	202	750658	36.575	ng	98
81) Benzo(a)anthracene	14.004	228	322625	19.243	ng	96
83) Chrysene	14.039	228	262163	16.592	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	106806	9.032	ng	95
88) Benzo(b)fluoranthene	15.063	252	248078m	21.297	ng	
89) Benzo(k)fluoranthene	15.086	252	92697m	8.121	ng	
90) Benzo(a)pyrene	15.427	252	182884	19.341	ng	# 92
91) Dibenzo(a,h)anthracene	16.980	278	32093	3.334	ng	# 62
92) Benzo(g,h,i)perylene	17.439	276	106980	10.878	ng	96

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

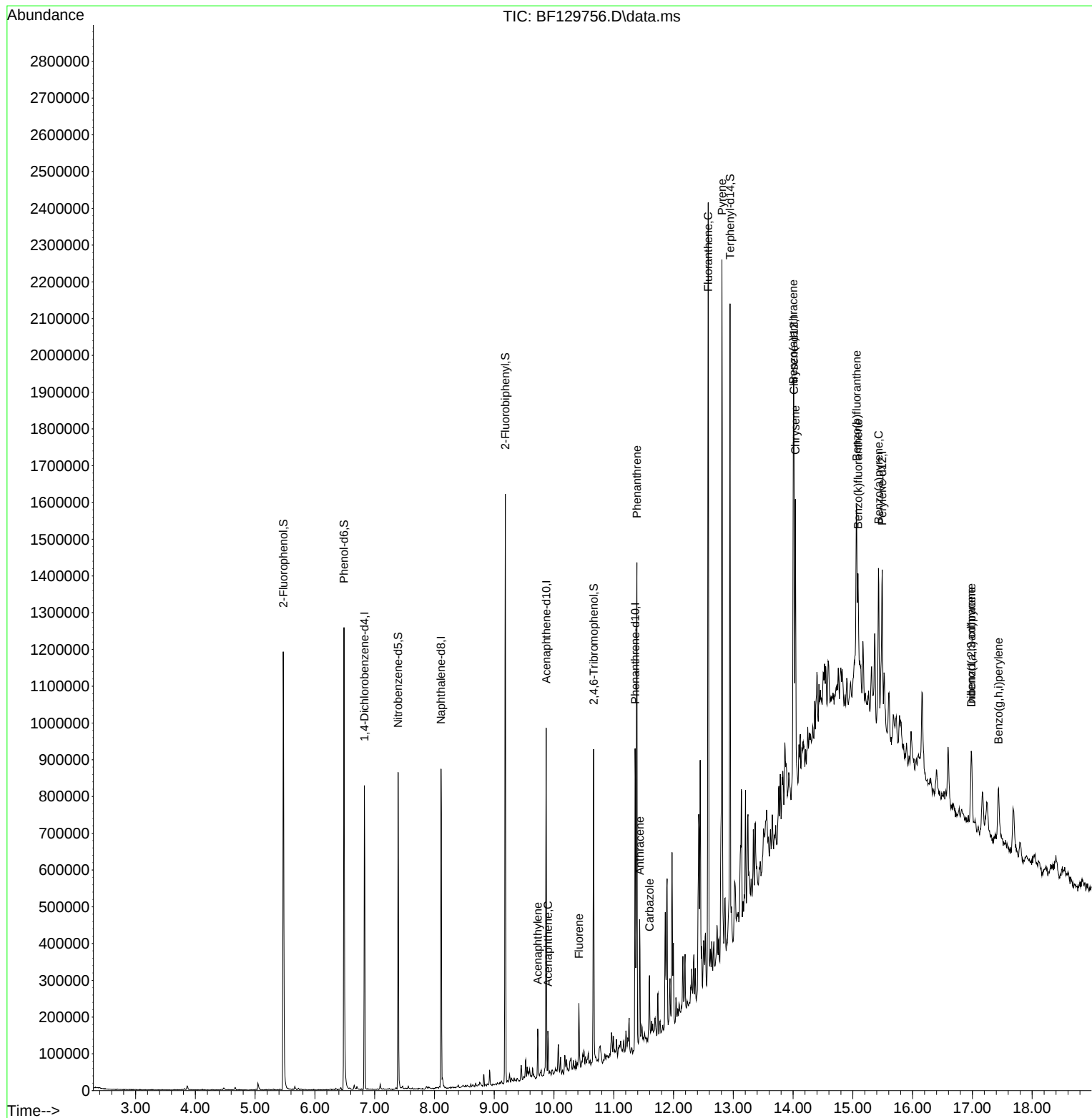
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081222\
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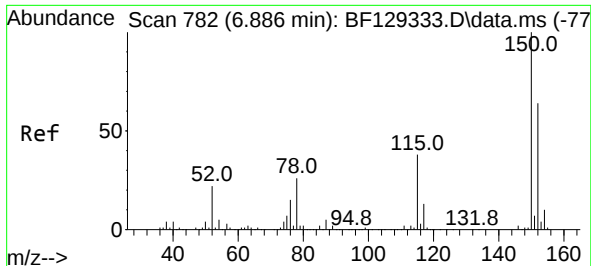
Instrument :
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Quant Time: Aug 13 02:09:01 2022
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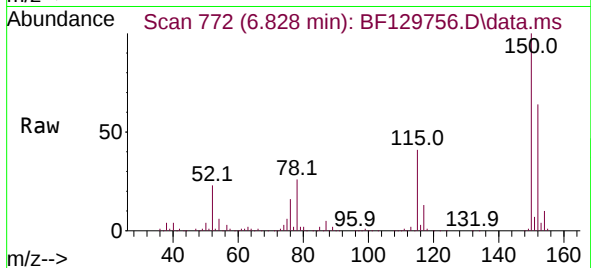
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

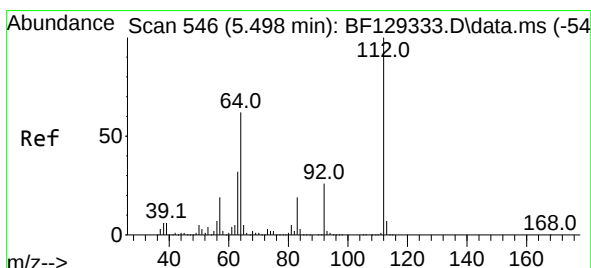
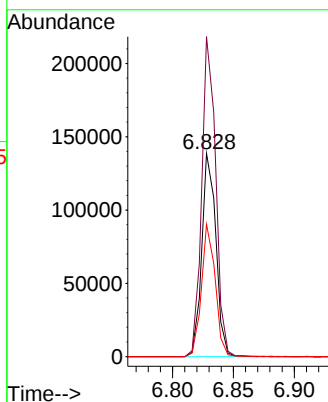
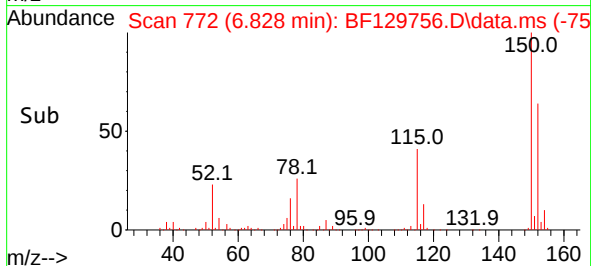
Instrument :
BNA_F
ClientSampleId :
EO-02-081022



Tgt Ion:152 Resp: 111983
Ion Ratio Lower Upper
152 100
150 157.4 123.7 185.5
115 65.1 49.9 74.9

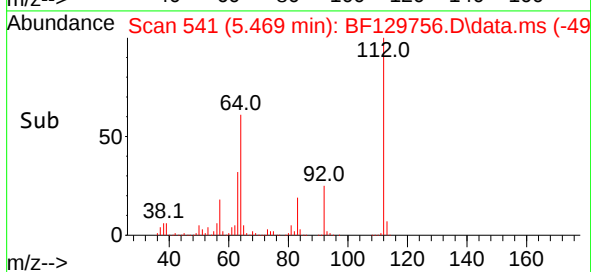
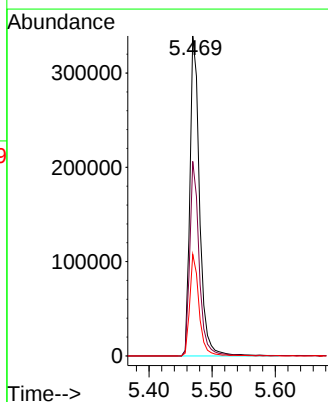
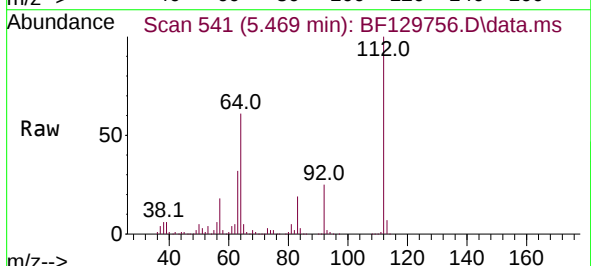
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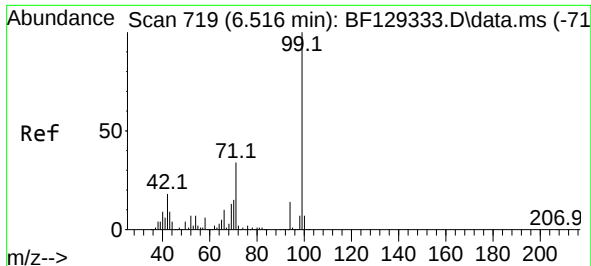
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#5
2-Fluorophenol
Concen: 52.394 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

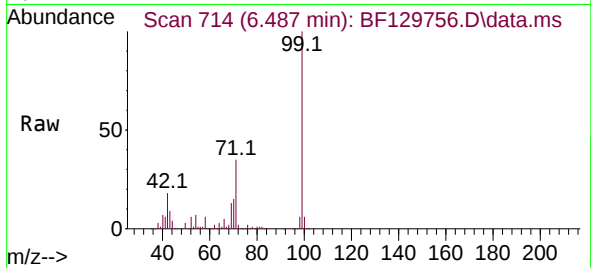
Tgt Ion:112 Resp: 360166
Ion Ratio Lower Upper
112 100
64 60.8 53.3 79.9
63 31.8 28.0 42.0





#7
Phenol-d6
Concen: 47.471 ng
RT: 6.487 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

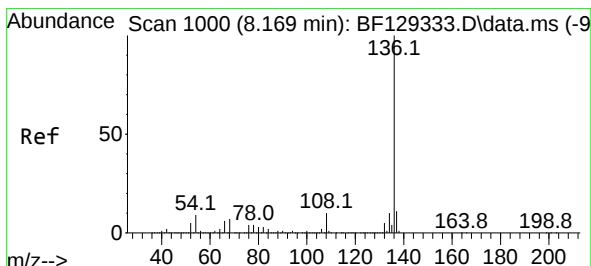
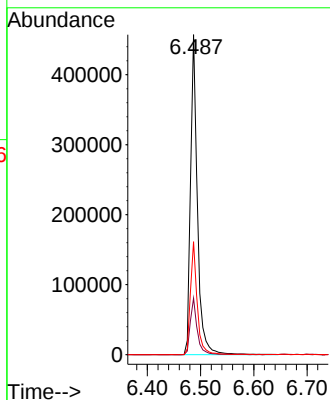
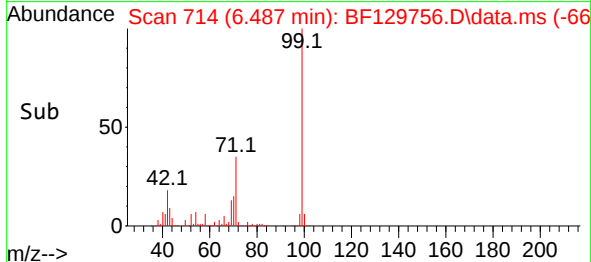
Instrument :
BNA_F
ClientSampleId :
EO-02-081022



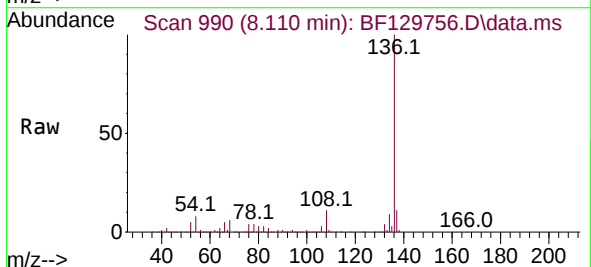
Tgt Ion: 99 Resp: 41017
Ion Ratio Lower Upper
99 100
42 17.6 17.3 25.9
71 35.3 28.9 43.3

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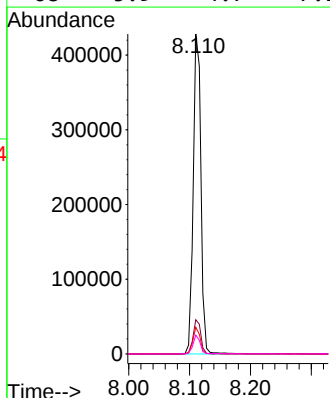
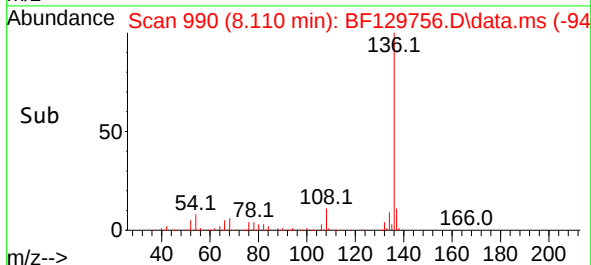
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

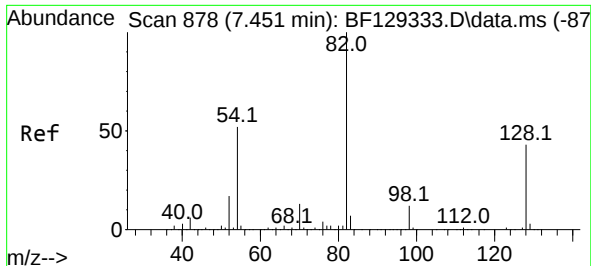


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35



Tgt Ion:136 Resp: 376447
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 8.3 7.5 11.3
68 5.9 4.7 7.1





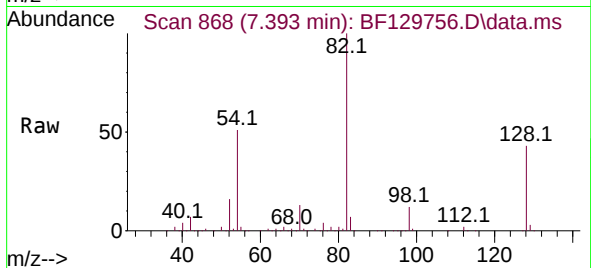
#23
Nitrobenzene-d5
Concen: 35.600 ng
RT: 7.393 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

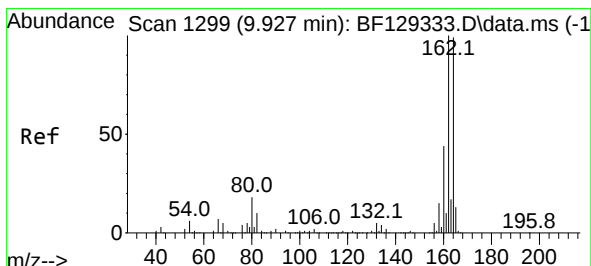
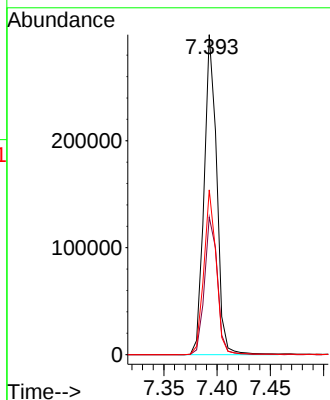
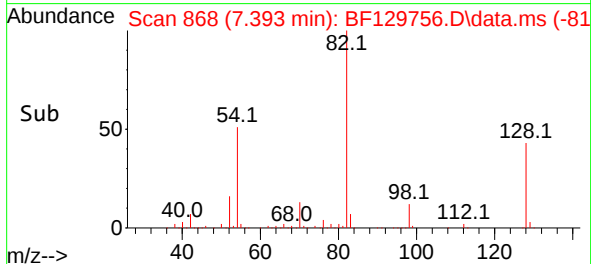


Tgt Ion: 82 Resp: 245498
Ion Ratio Lower Upper
82 100
128 43.0 34.0 51.0
54 51.5 46.9 70.3

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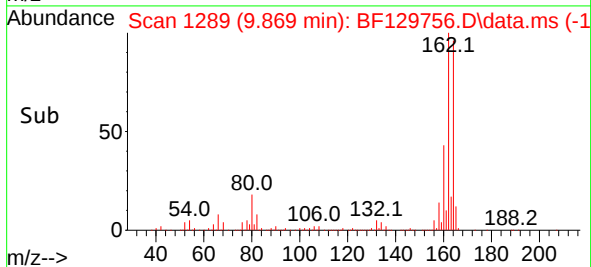
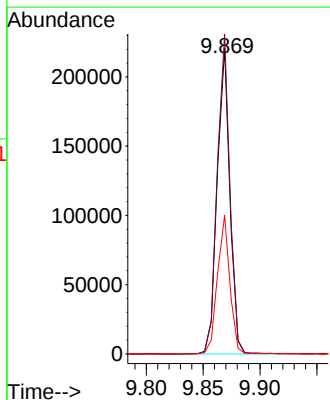
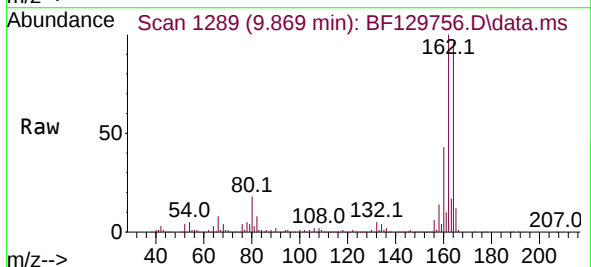
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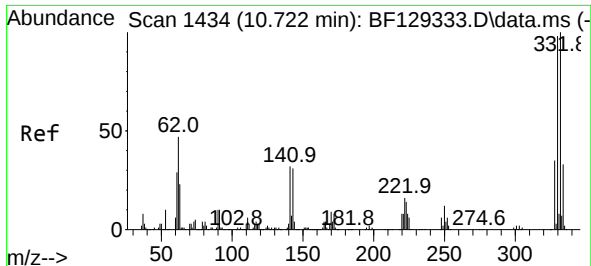
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion:164 Resp: 170407
Ion Ratio Lower Upper
164 100
162 104.7 79.5 119.3
160 45.3 34.2 51.4





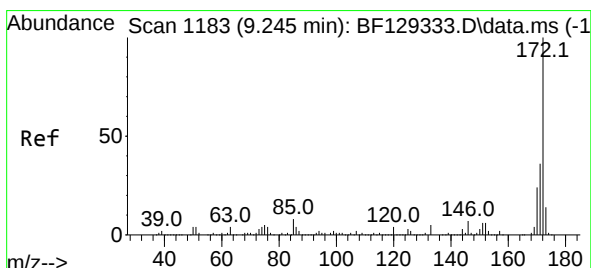
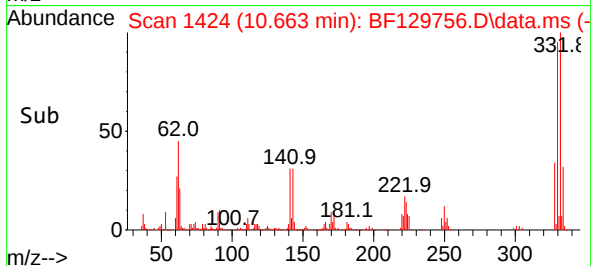
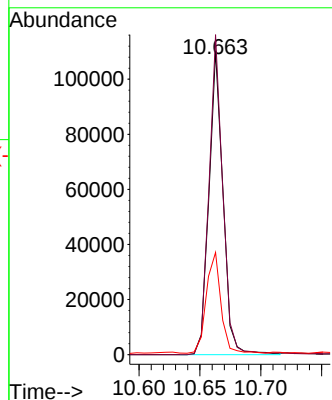
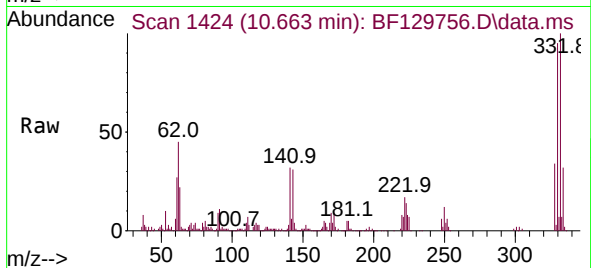
#42
2,4,6-Tribromophenol
Concen: 54.255 ng
RT: 10.663 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Instrument :
BNA_F
ClientSampleId :
EO-02-081022

Tgt Ion: 330 Resp: 88888
Ion Ratio Lower Upper
330 100
332 103.8 76.8 115.2
141 34.5 28.0 42.0

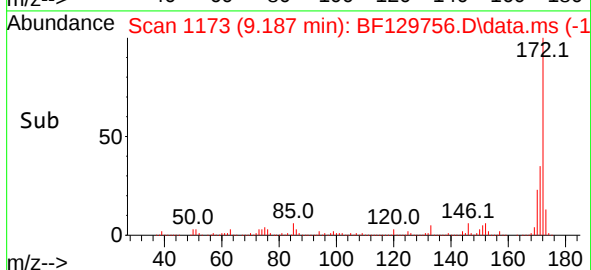
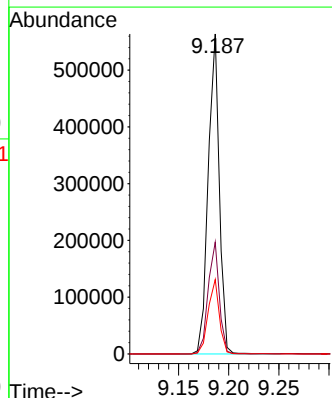
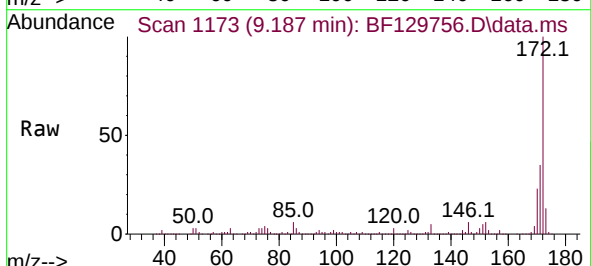
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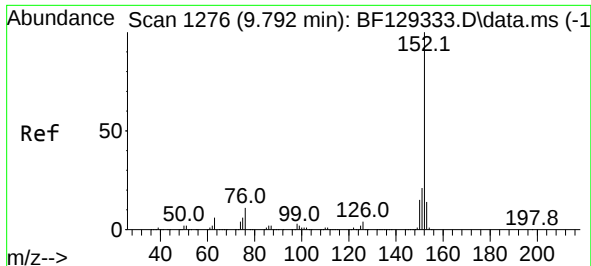
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#45
2-Fluorobiphenyl
Concen: 39.256 ng
RT: 9.187 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion: 172 Resp: 432433
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.3 19.8 29.8





#49

Acenaphthylene

Concen: 3.156 ng

RT: 9.728 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

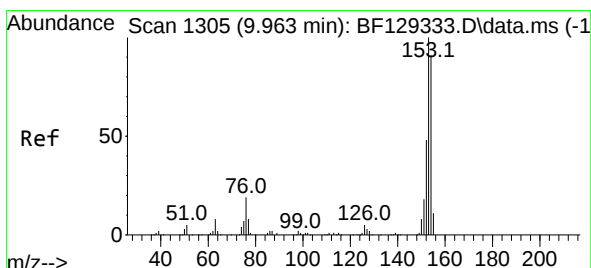
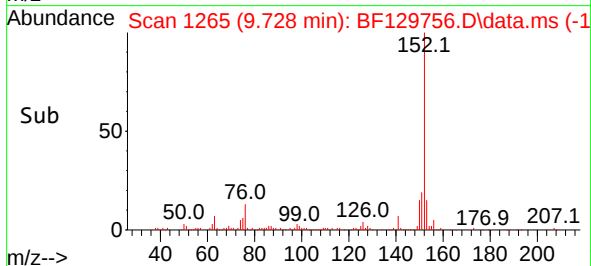
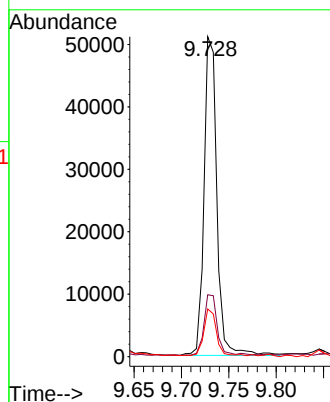
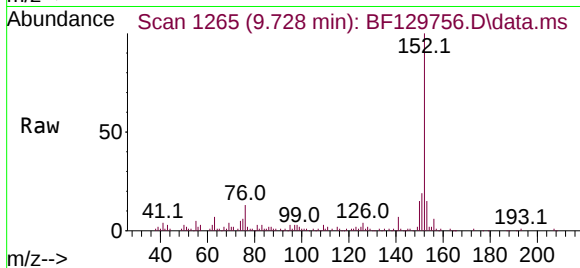
EO-02-081022

Tgt Ion:	152	Resp:	48219
Ion Ratio	Lower	Upper	
152	100		
151	19.3	16.2	24.4
153	14.9	10.7	16.1

Manual Integrations

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



#52

Acenaphthene

Concen: 2.275 ng

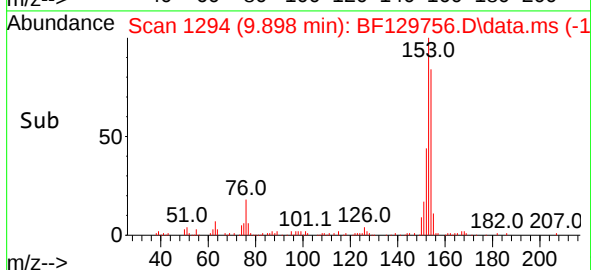
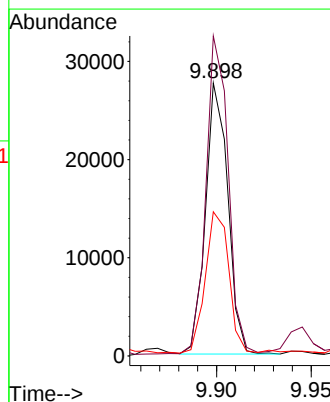
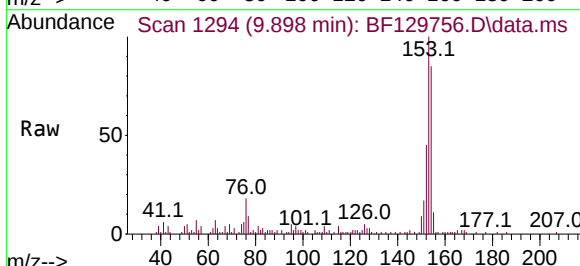
RT: 9.898 min Scan# 1294

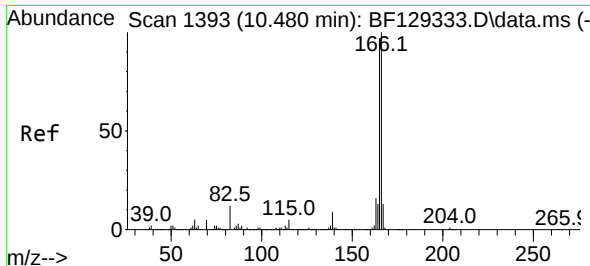
Delta R.T. -0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

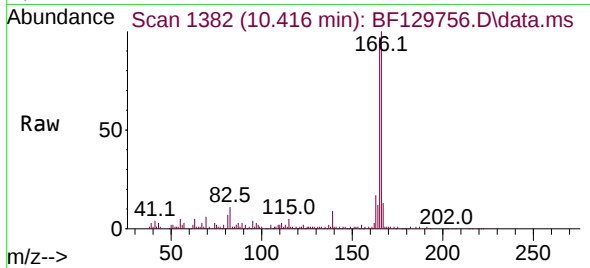
Tgt Ion:	154	Resp:	22697
Ion Ratio	Lower	Upper	
154	100		
153	117.3	89.6	134.4
152	52.8	42.4	63.6





#58
Fluorene
Concen: 3.959 ng
RT: 10.416 min Scan# 1393
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

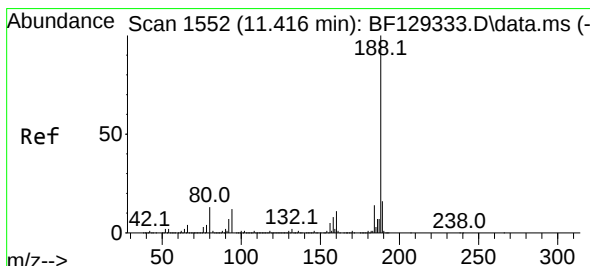
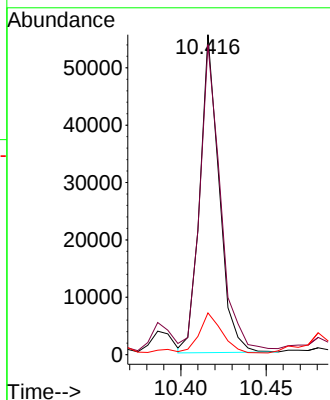
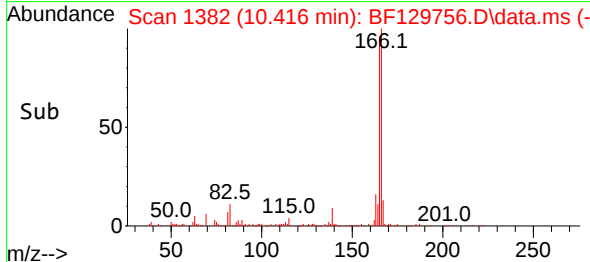
Instrument :
BNA_F
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EO-02-081022



Tgt Ion:166 Resp: 43568
Ion Ratio Lower Upper
166 100
165 96.9 78.1 117.1
167 13.0 10.5 15.7

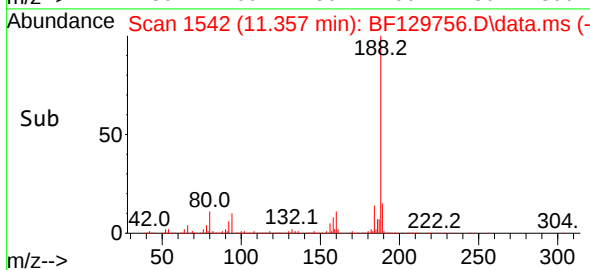
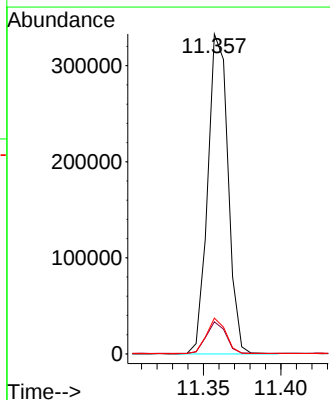
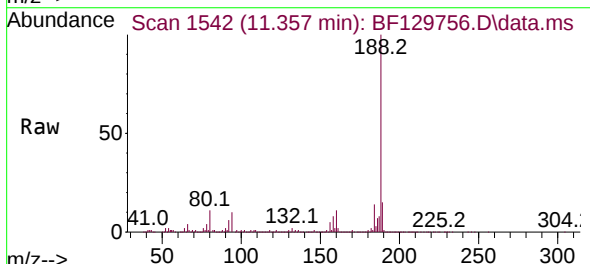
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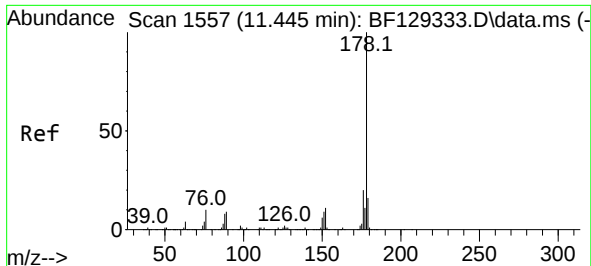
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1542
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

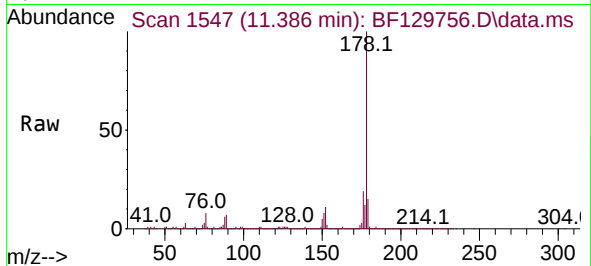
Tgt Ion:188 Resp: 303445
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 11.2 7.6 11.4





#71
Phenanthrene
Concen: 28.779 ng
RT: 11.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

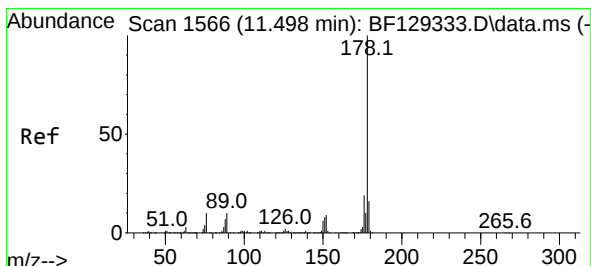
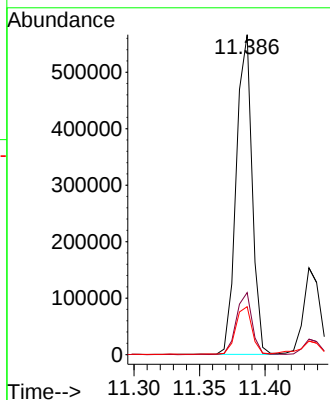
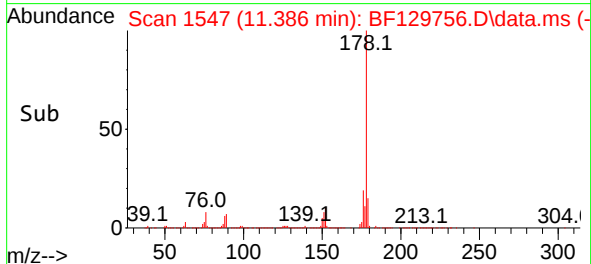
Instrument :
BNA_F
ClientSampleId :
EO-02-081022



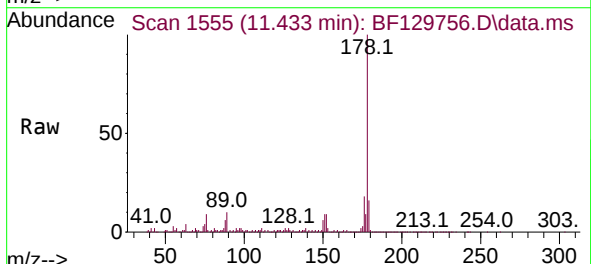
Tgt Ion:178 Resp: 476703
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.0 12.6 19.0

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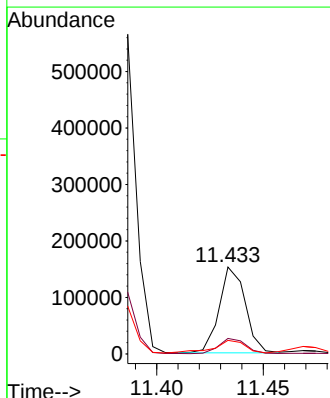
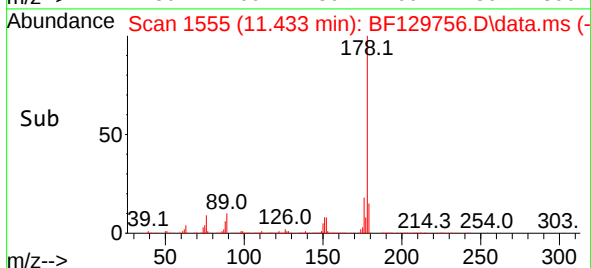
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

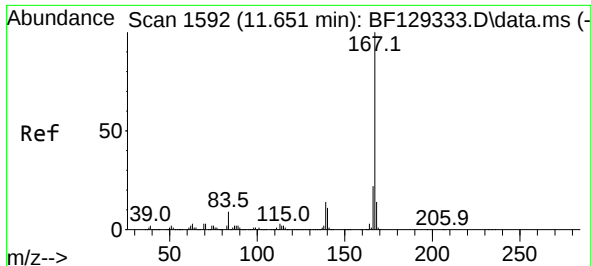


#72
Anthracene
Concen: 7.966 ng
RT: 11.433 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35



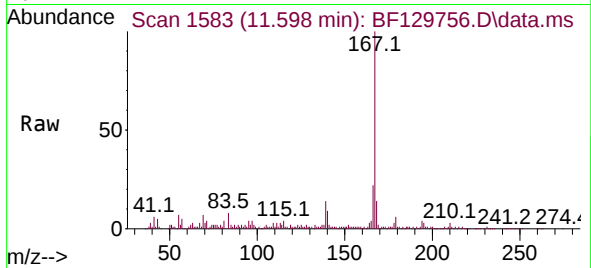
Tgt Ion:178 Resp: 129677
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 15.5 12.6 19.0





#73
 Carbazole
 Concen: 4.092 ng
 RT: 11.598 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

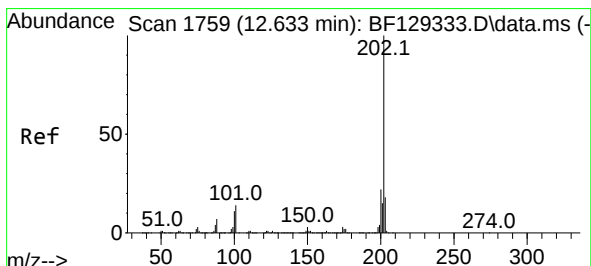
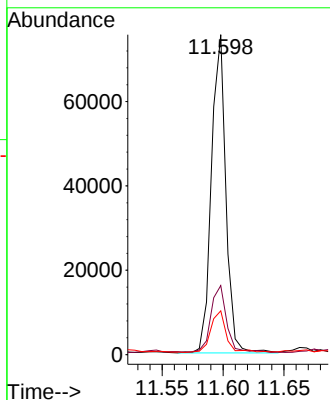
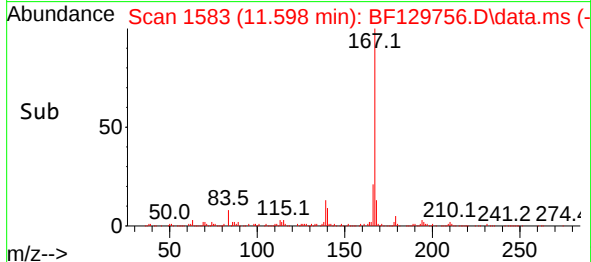
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081022



Tgt Ion:167 Resp: 62701
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.7 26.5
 139 13.7 11.2 16.8

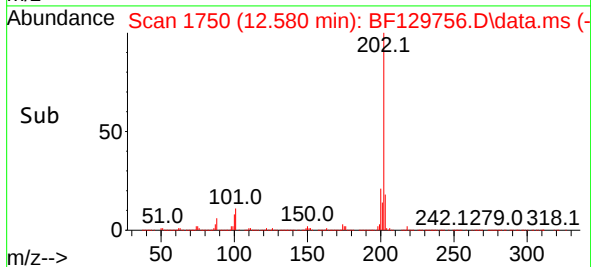
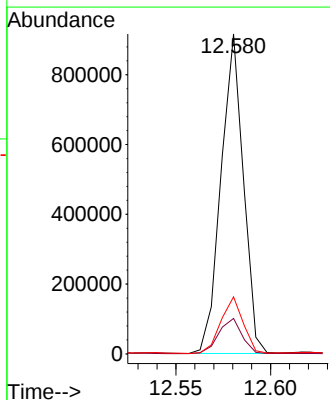
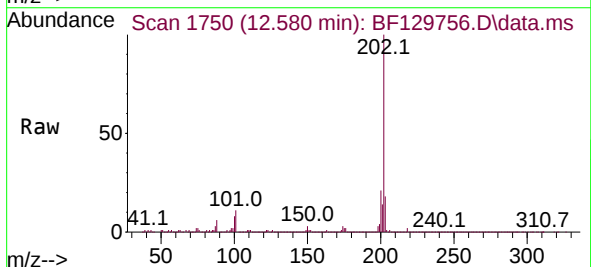
Manual Integrations
 APPROVED

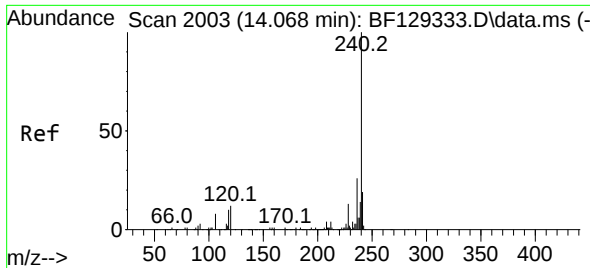
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022



#75
 Fluoranthene
 Concen: 44.903 ng
 RT: 12.580 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

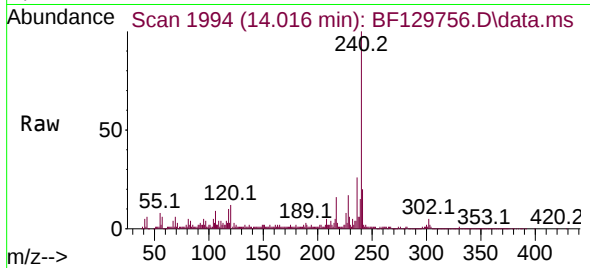
Tgt Ion:202 Resp: 753627
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.4
 203 17.8 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

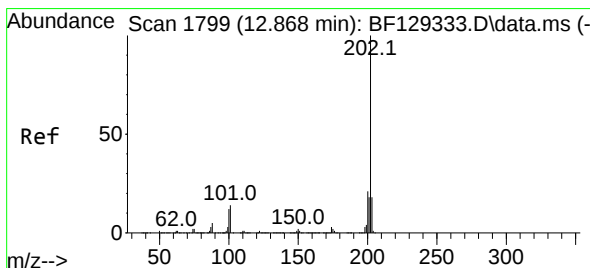
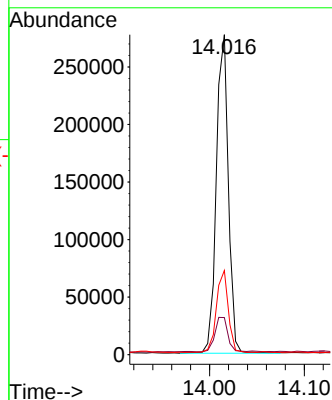
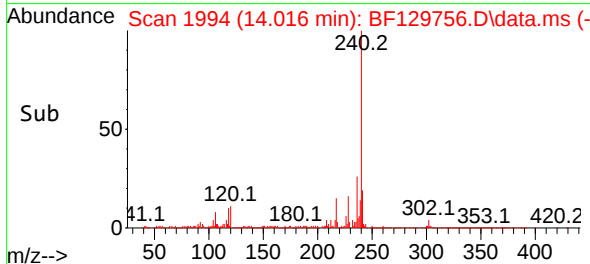
Instrument :
BNA_F
ClientSampleId :
EO-02-081022



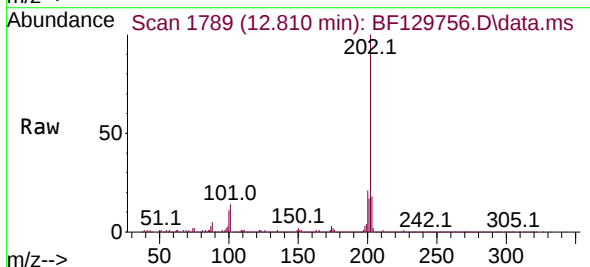
Tgt Ion:240 Resp: 245434
Ion Ratio Lower Upper
240 100
120 11.6 8.9 13.3
236 26.3 20.8 31.2

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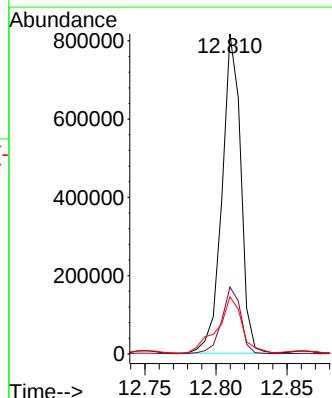
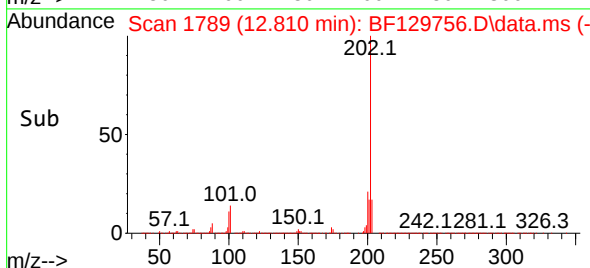
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022

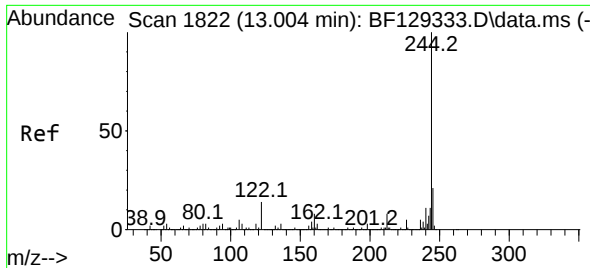


#78
Pyrene
Concen: 36.575 ng
RT: 12.810 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35



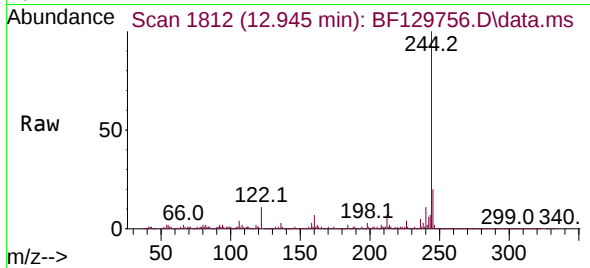
Tgt Ion:202 Resp: 750658
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 17.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 41.135 ng
 RT: 12.945 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35

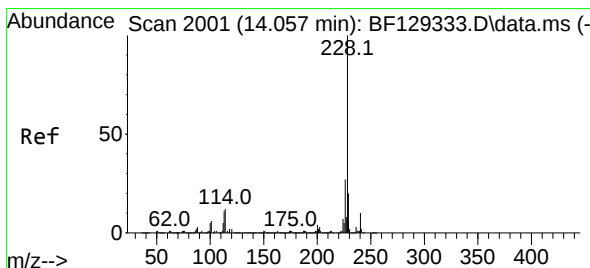
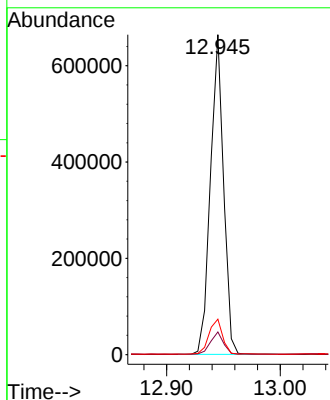
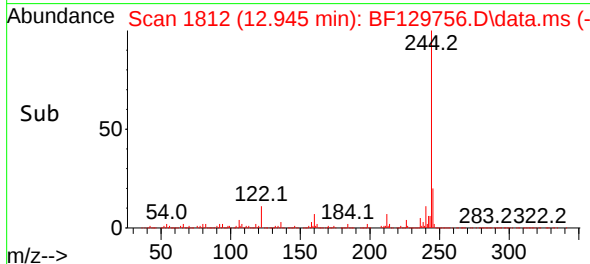
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-081022



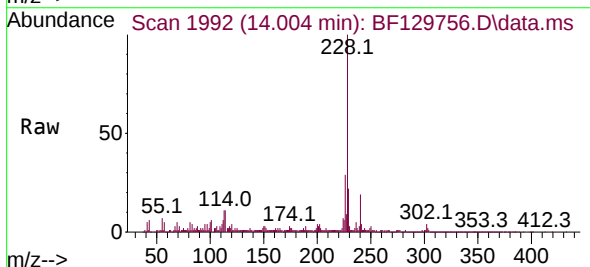
Tgt Ion:244 Resp: 535143
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 11.1 8.8 13.2

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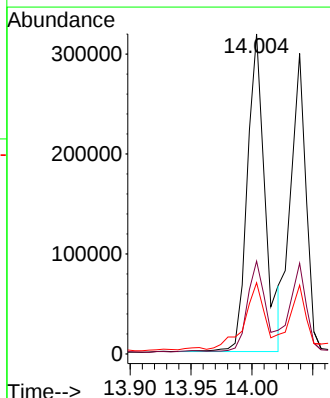
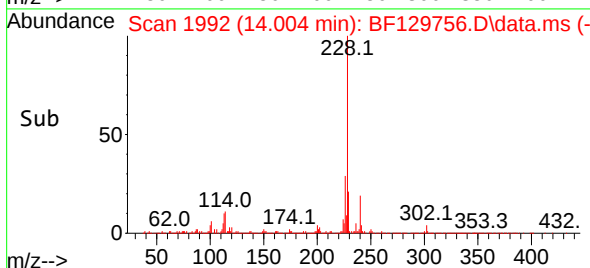
Reviewed By :Jagrut Upadhyay 08/15/2022
 Supervised By :Sohil Jodhani 08/16/2022

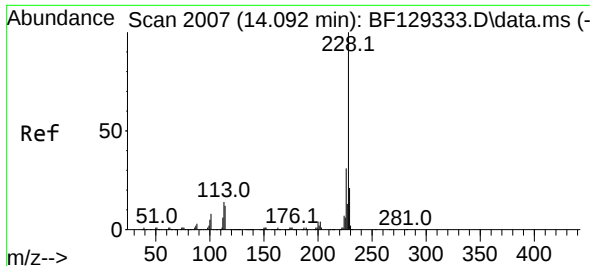


#81
 Benzo(a)anthracene
 Concen: 19.243 ng
 RT: 14.004 min Scan# 1992
 Delta R.T. 0.006 min
 Lab File: BF129756.D
 Acq: 12 Aug 2022 21:35



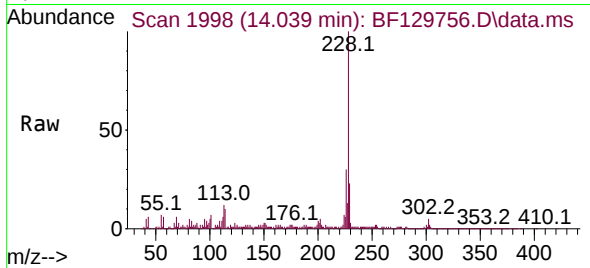
Tgt Ion:228 Resp: 322625
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.1 33.1
 229 22.2 15.8 23.8





#83
Chrysene
Concen: 16.592 ng
RT: 14.039 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

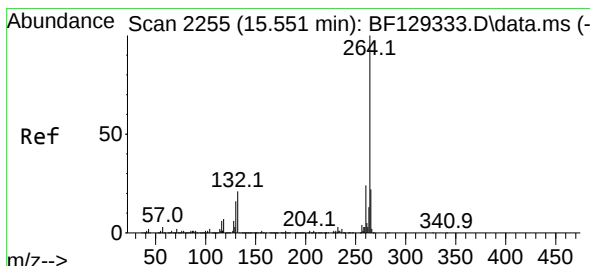
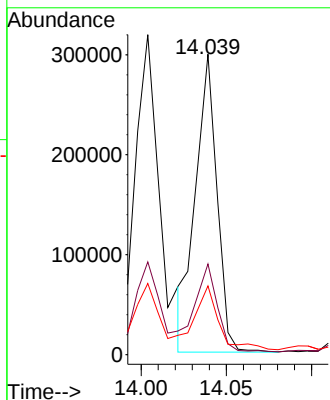
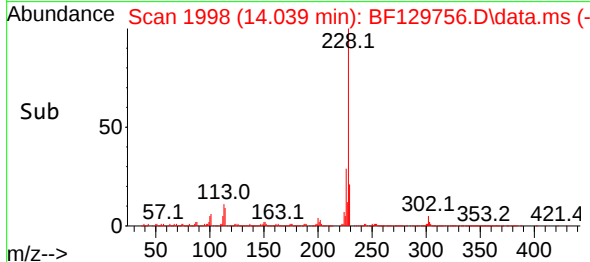
Instrument :
BNA_F
ClientSampleId :
EO-02-081022



Tgt Ion:228 Resp: 262163
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.9 15.9 23.9

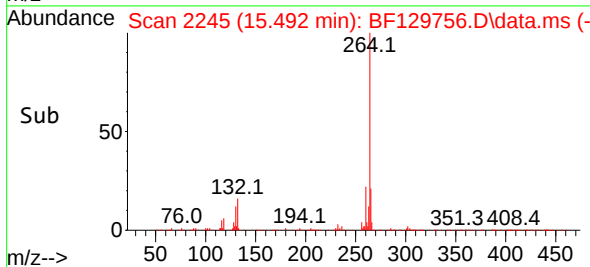
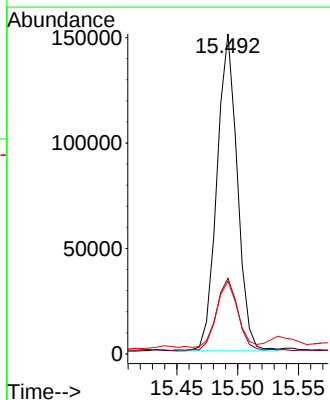
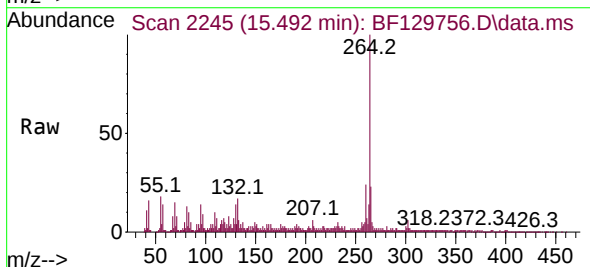
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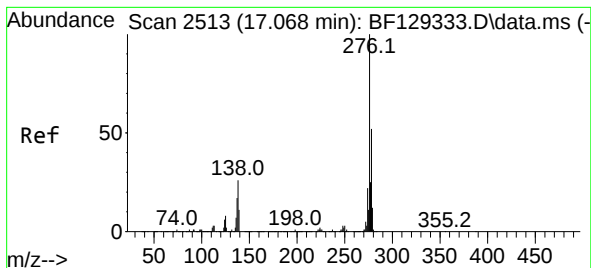
Reviewed By :Jagrut Upadhyay 08/15/2022
Supervised By :Sohil Jodhani 08/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. 0.012 min
Lab File: BF129756.D
Acq: 12 Aug 2022 21:35

Tgt Ion:264 Resp: 175604
Ion Ratio Lower Upper
264 100
260 23.6 18.4 27.6
265 22.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.032 ng

RT: 16.980 min Scan# 24

Delta R.T. 0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

Tgt Ion:276 Resp: 106800

Ion Ratio Lower Upper

276 100

138 21.4 21.1 31.7

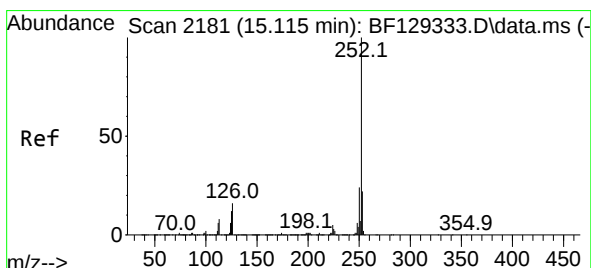
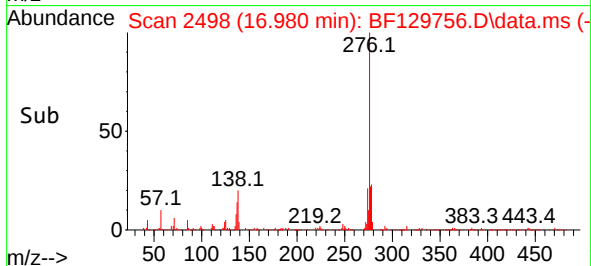
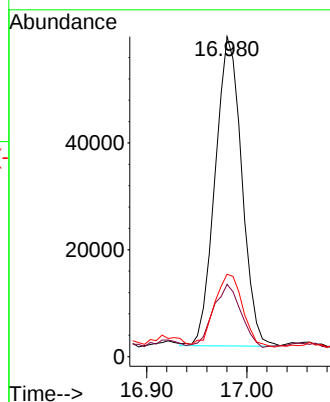
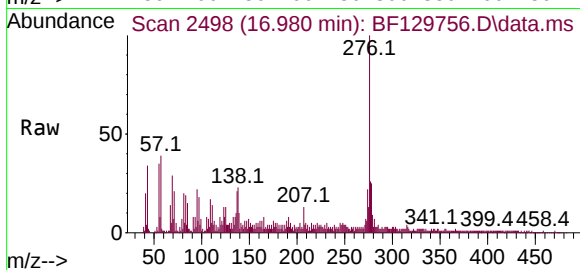
277 25.0 20.3 30.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/15/2022

Supervised By :Sohil Jodhani 08/16/2022



#88

Benzo(b)fluoranthene

Concen: 21.297 ng m

RT: 15.063 min Scan# 2172

Delta R.T. 0.012 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

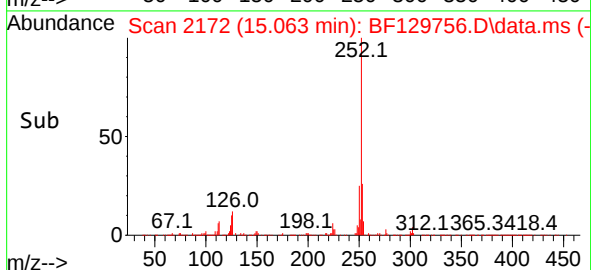
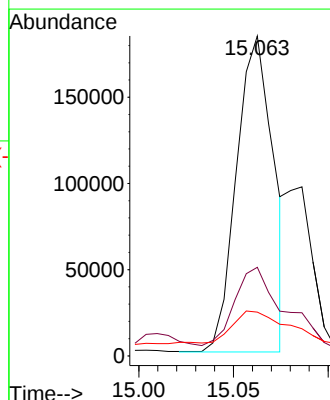
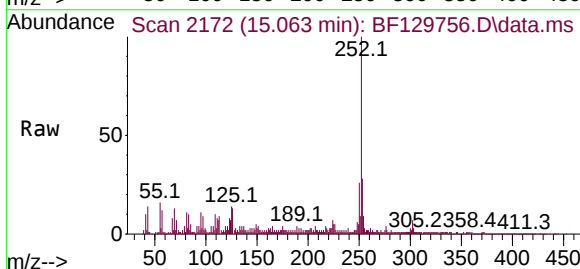
Tgt Ion:252 Resp: 248078

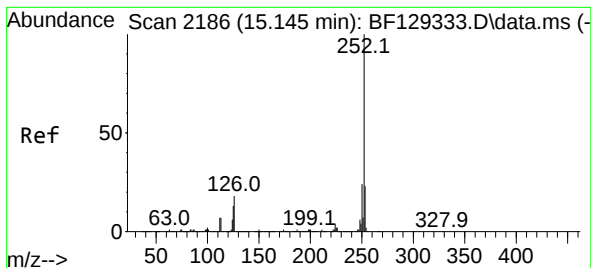
Ion Ratio Lower Upper

252 100

253 27.7 17.7 26.5#

125 13.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 8.121 ng m

RT: 15.086 min Scan# 2186

Delta R.T. 0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNF

ClientSampleId :

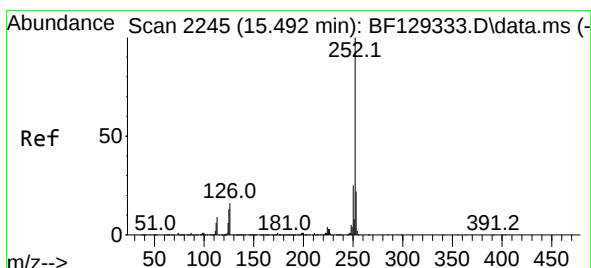
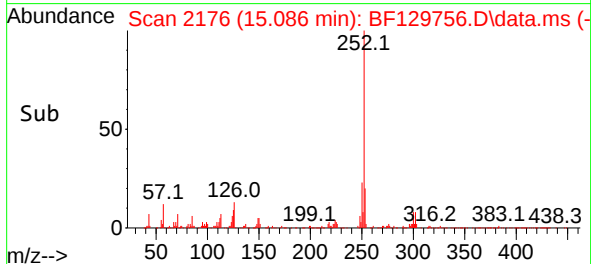
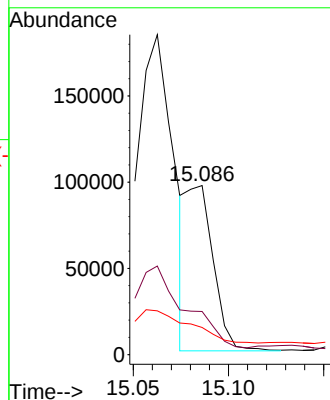
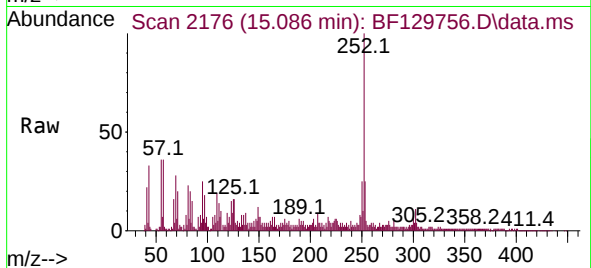
EO-02-081022

Tgt Ion:252 Resp: 92697
 Ion Ratio Lower Upper
 252 100
 253 25.5 17.8 26.6
 125 16.1 8.3 12.5

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 Supervised By :Sohil Jodhani 08/16/2022



#90

Benzo(a)pyrene

Concen: 19.341 ng

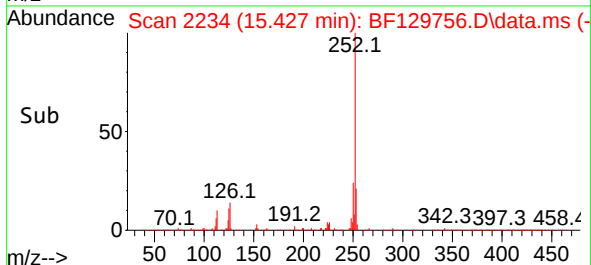
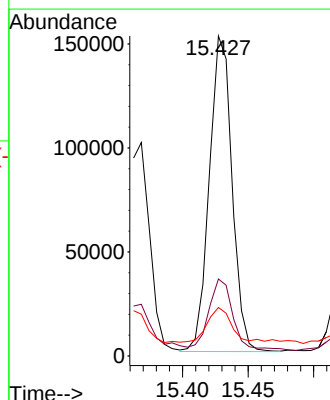
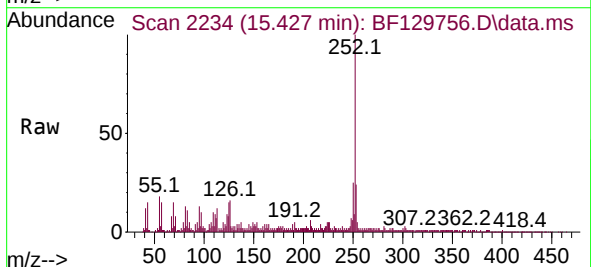
RT: 15.427 min Scan# 2234

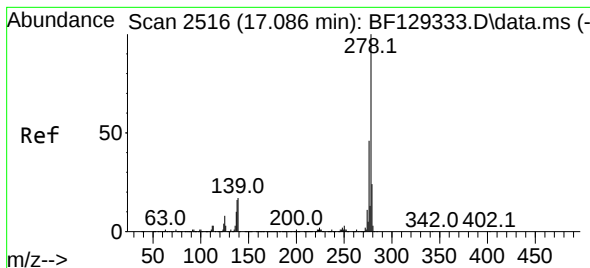
Delta R.T. 0.006 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Tgt Ion:252 Resp: 182884
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.0 25.6
 125 15.1 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.334 ng

RT: 16.980 min Scan# 2498

Delta R.T. 0.000 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Instrument :

BNA_F

ClientSampleId :

EO-02-081022

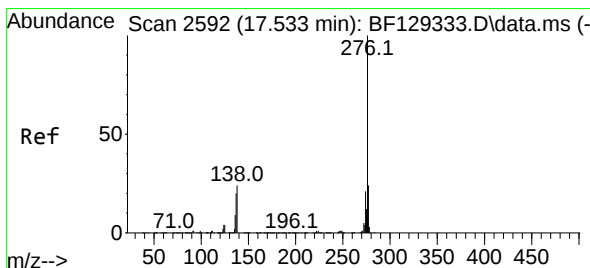
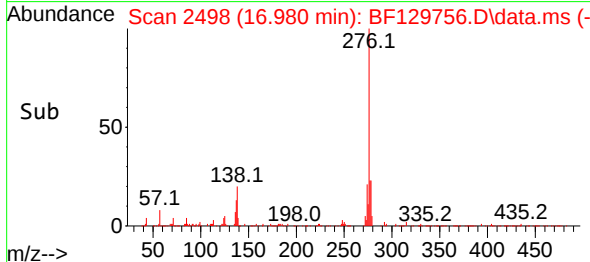
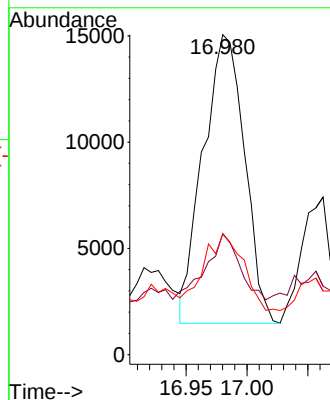
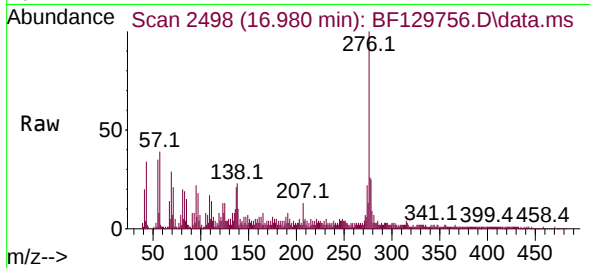
Tgt Ion:	278	Resp:	32093
Ion Ratio	Lower	Upper	
278	100		
139	37.8	12.8	19.2
279	37.7	18.6	28.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/15/2022

Supervised By :Sohil Jodhani 08/16/2022



#92

Benzo(g,h,i)perylene

Concen: 10.878 ng

RT: 17.439 min Scan# 2576

Delta R.T. 0.018 min

Lab File: BF129756.D

Acq: 12 Aug 2022 21:35

Tgt Ion:	276	Resp:	106980
Ion Ratio	Lower	Upper	
276	100		
277	26.1	19.1	28.7
138	24.2	18.0	27.0

