

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129624.D
 Acq On : 06 Aug 2022 04:32
 Operator : CG\JU
 Sample : N4061-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP3-0804

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/08/2022
 Supervised By : Jagrut Upadhyay 08/08/2022

Quant Time: Aug 08 02:19:56 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 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	110680	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	387430	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	179701	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	305862	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	209684	20.000	ng	# 0.01
86) Perylene-d12	15.533	264	167285	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	931446	137.091	ng	0.02
7) Phenol-d6	6.510	99	1062651	124.431	ng	0.00
23) Nitrobenzene-d5	7.416	82	656677	92.525	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	245961	142.364	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	1032256	88.861	ng	0.00
79) Terphenyl-d14	12.975	244	1065931	95.905	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.275	107	43202	5.518	ng	# 69
49) Acenaphthylene	9.751	152	34151	2.120	ng	# 87
52) Acenaphthene	9.922	154	36204	3.441	ng	94
55) Dibenzofuran	10.092	168	34807	2.400	ng	95
58) Fluorene	10.434	166	38804	3.344	ng	# 97
71) Phenanthrene	11.404	178	276022	16.532	ng	98
72) Anthracene	11.457	178	113977m	6.947	ng	
73) Carbazole	11.616	167	38144	2.470	ng	# 72
75) Fluoranthene	12.610	202	646922	38.241	ng	98
78) Pyrene	12.839	202	580652	33.115	ng	97
80) Butylbenzylphthalate	13.445	149	28640	3.766	ng	# 80
81) Benzo(a)anthracene	14.033	228	230225	16.073	ng	# 93
83) Chrysene	14.069	228	233388	17.289	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.004	149	308620	30.822	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.027	276	134688	11.956	ng	93
88) Benzo(b)fluoranthene	15.092	252	318896m	28.738	ng	
89) Benzo(k)fluoranthene	15.121	252	73239m	6.735	ng	
90) Benzo(a)pyrene	15.468	252	175166	19.446	ng	# 72
91) Dibenzo(a,h)anthracene	17.033	278	33417	3.645	ng	# 52
92) Benzo(g,h,i)perylene	17.486	276	142606	15.221	ng	# 93

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

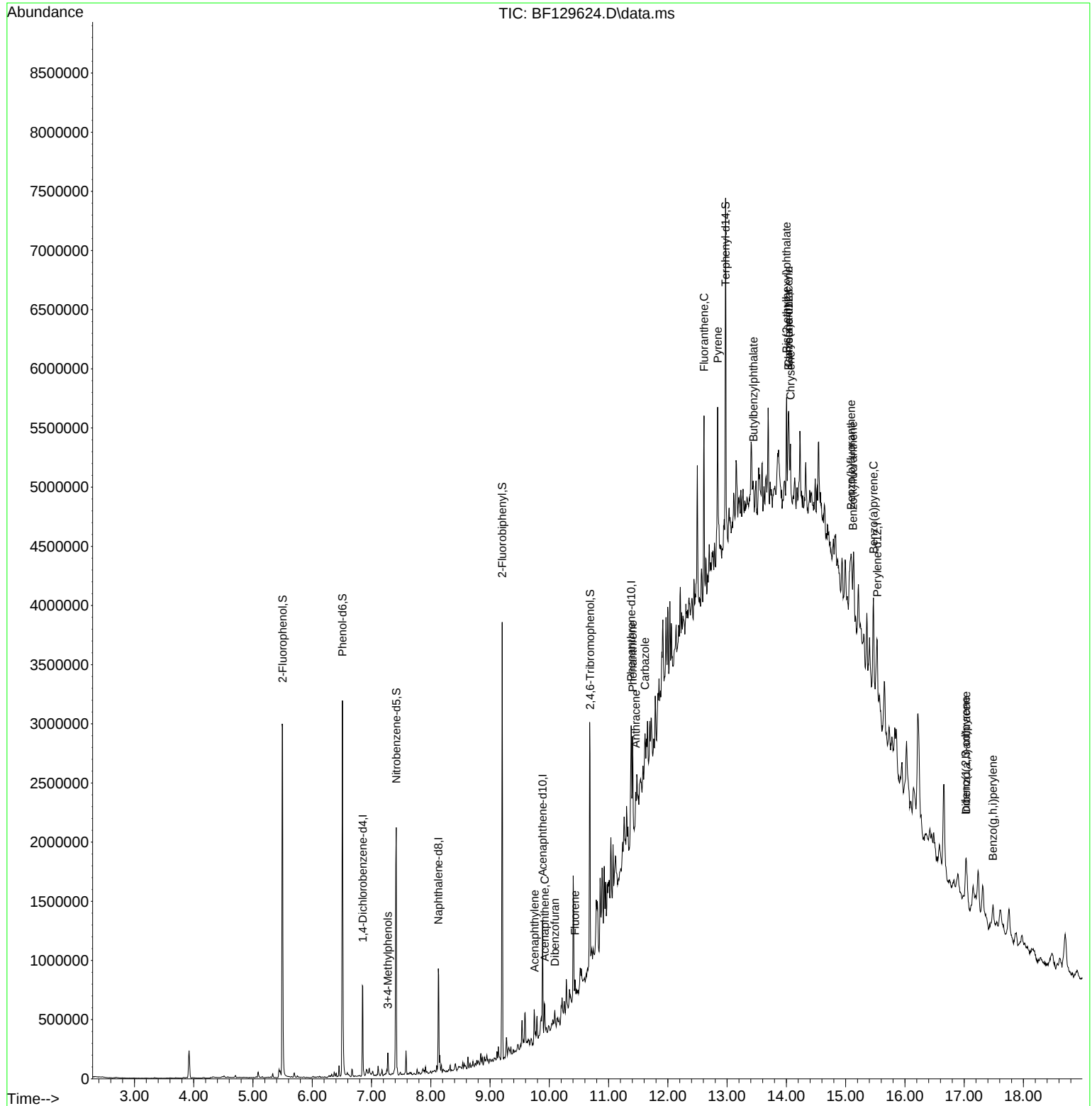
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
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ALS Vial : 21 Sample Multiplier: 1

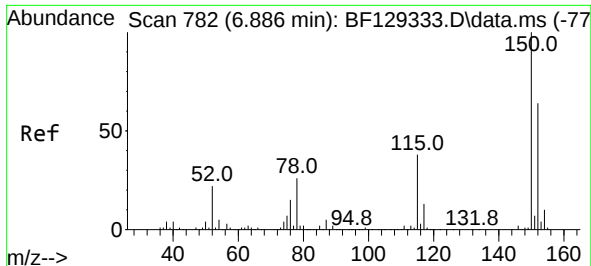
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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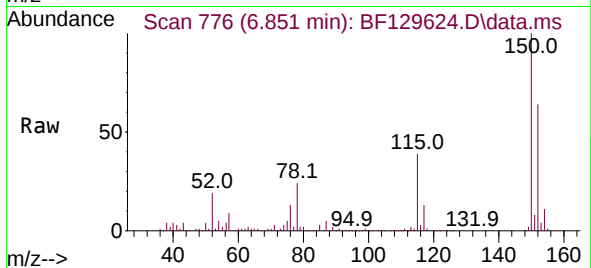
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

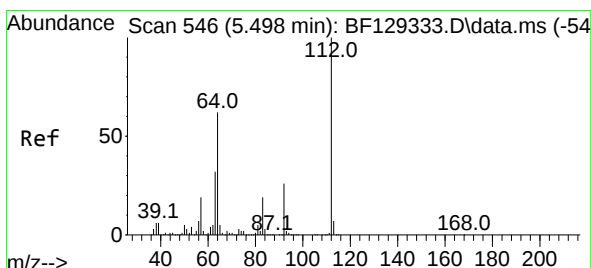
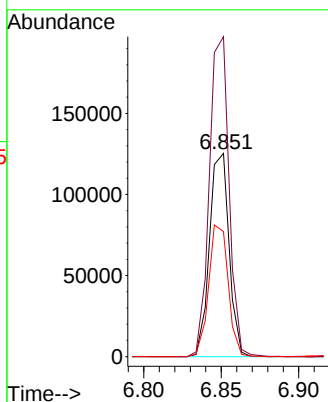
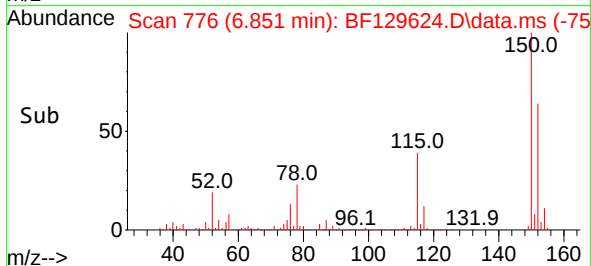
Instrument :
BNA_F
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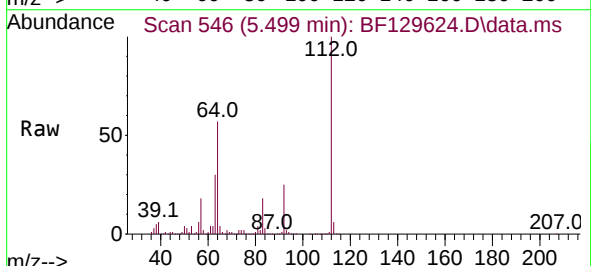
Tgt Ion:152 Resp: 110680
Ion Ratio Lower Upper
152 100
150 157.4 123.7 185.5
115 61.5 49.9 74.9

Manual Integrations
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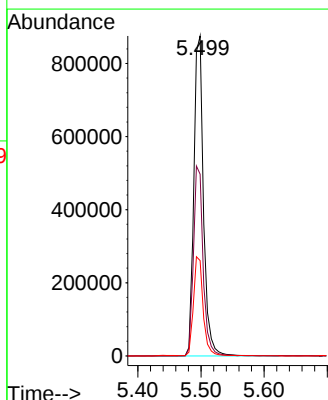
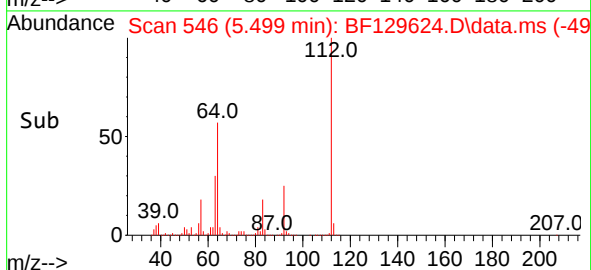
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#5
2-Fluorophenol
Concen: 137.091 ng
RT: 5.499 min Scan# 546
Delta R.T. 0.018 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



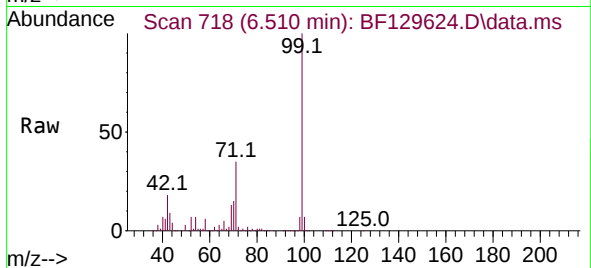
Tgt Ion:112 Resp: 931446
Ion Ratio Lower Upper
112 100
64 56.8 53.3 79.9
63 29.8 28.0 42.0





#7
Phenol-d6
Concen: 124.431 ng
RT: 6.510 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

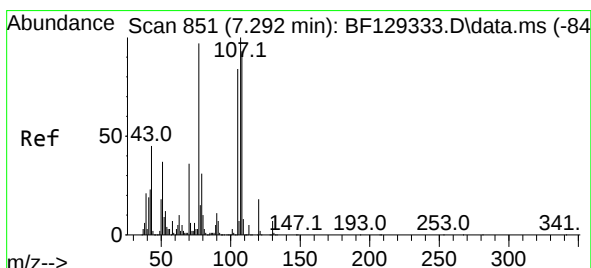
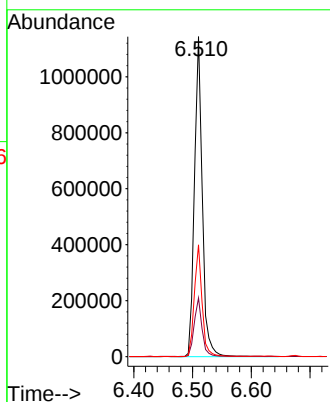
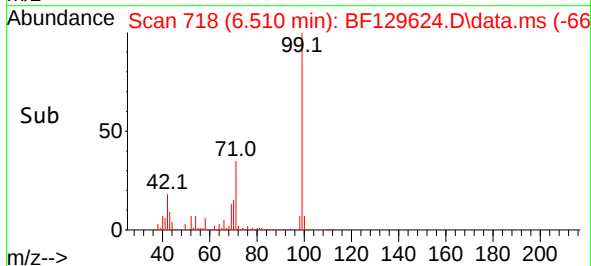
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COMP3-0804



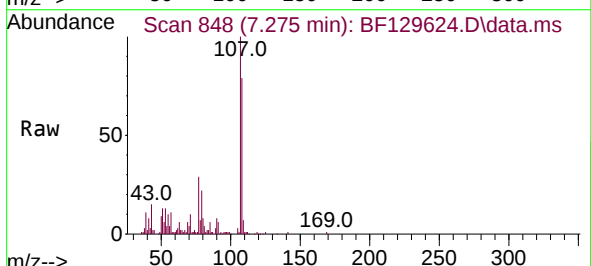
Tgt Ion: 99 Resp: 106265
Ion Ratio Lower Upper
99 100
42 18.3 17.3 25.9
71 34.9 28.9 43.3

Manual Integrations
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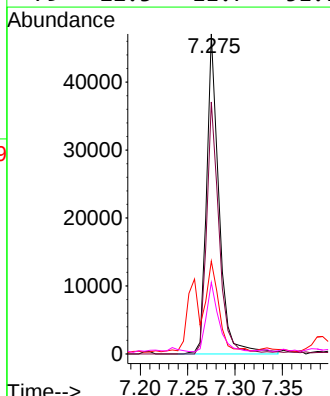
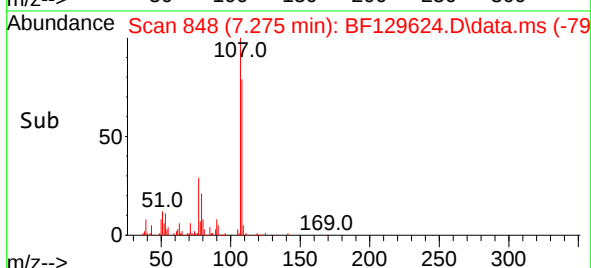
Reviewed By :Christian Giraldo 08/08/2022
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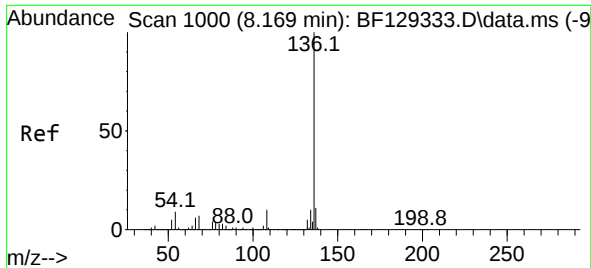


#20
3+4-Methylphenols
Concen: 5.518 ng
RT: 7.275 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



Tgt Ion:107 Resp: 43202
Ion Ratio Lower Upper
107 100
108 78.7 71.8 111.8
77 29.0 59.3 99.3#
79 22.3 11.7 51.7





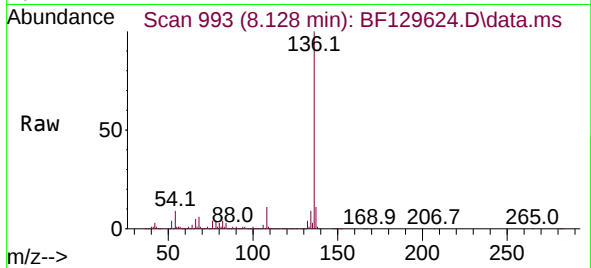
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 993
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

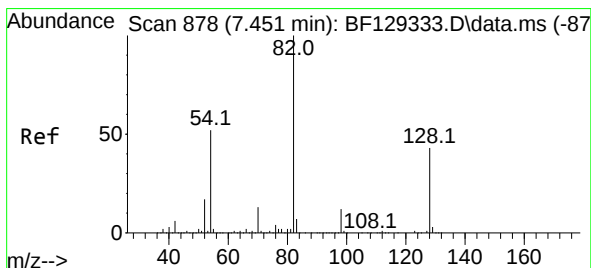
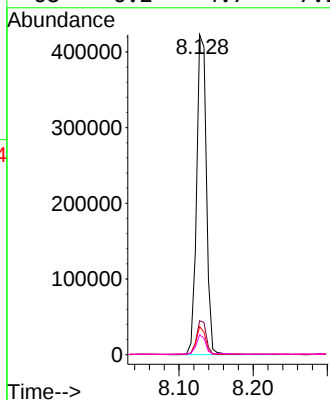
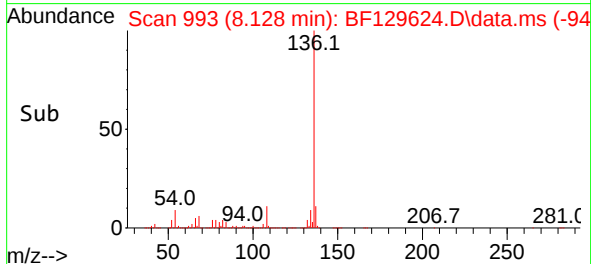


Tgt Ion:136 Resp: 387430
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 8.7 7.5 11.3
68 6.2 4.7 7.1

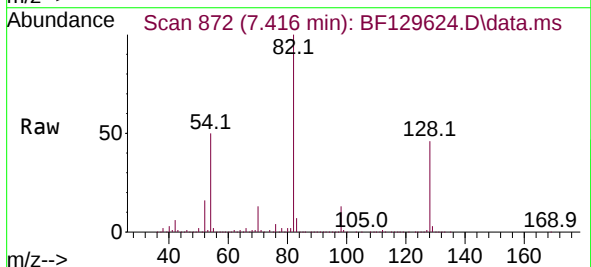
Manual Integrations

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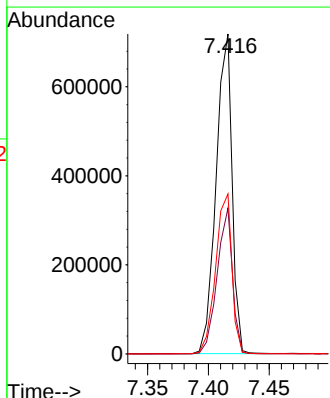
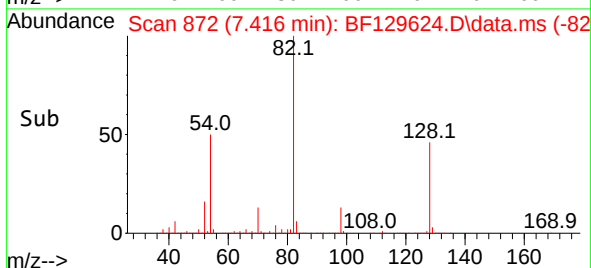
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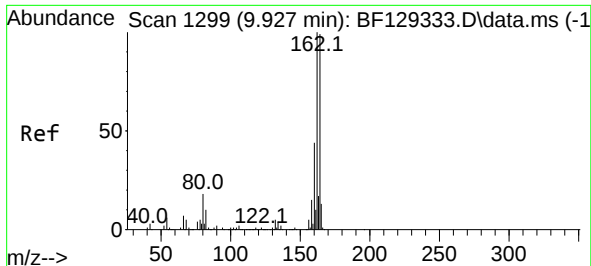


#23
Nitrobenzene-d5
Concen: 92.525 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



Tgt Ion: 82 Resp: 656677
Ion Ratio Lower Upper
82 100
128 45.5 34.0 51.0
54 50.0 46.9 70.3





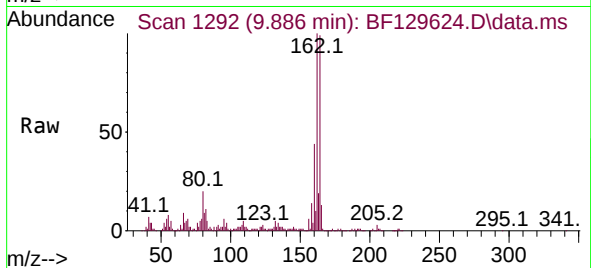
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

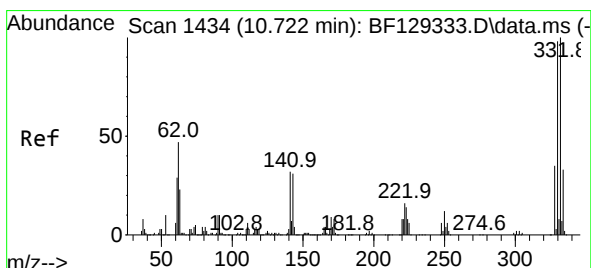
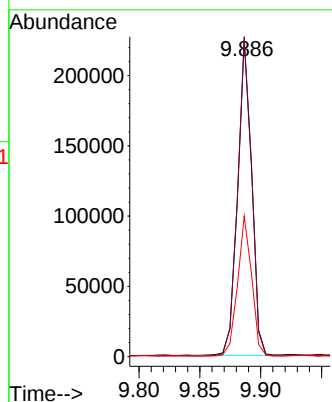
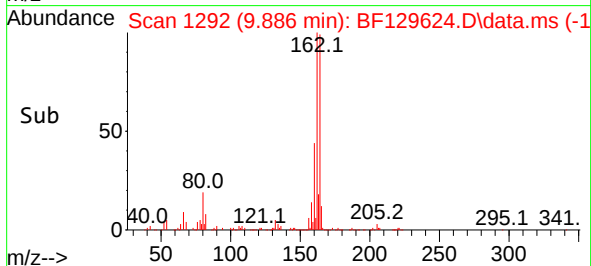


Tgt Ion:164 Resp: 17970
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.5 34.2 51.4

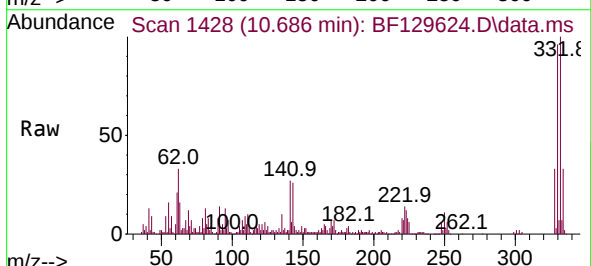
Manual Integrations

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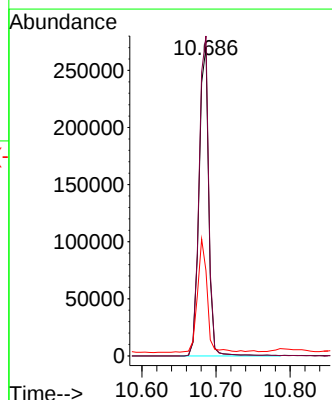
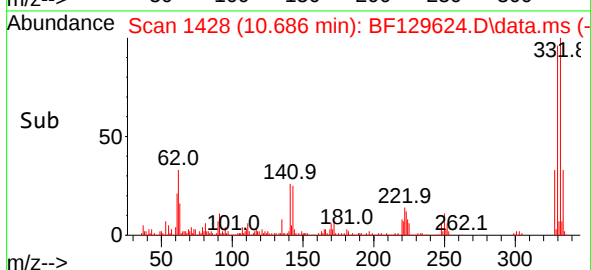
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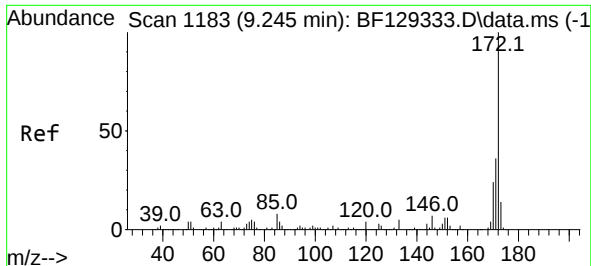


#42
2,4,6-Tribromophenol
Concen: 142.364 ng
RT: 10.686 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



Tgt Ion:330 Resp: 245961
Ion Ratio Lower Upper
330 100
332 103.8 76.8 115.2
141 37.3 28.0 42.0





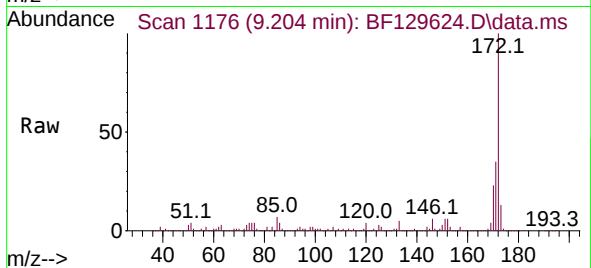
#45
2-Fluorobiphenyl
Concen: 88.861 ng
RT: 9.204 min Scan# 1183
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

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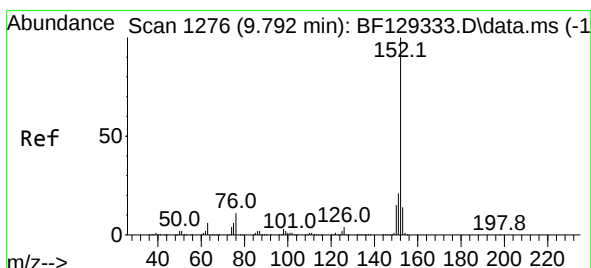
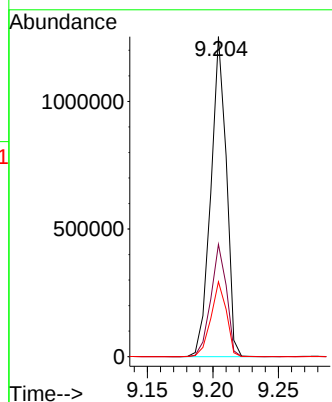
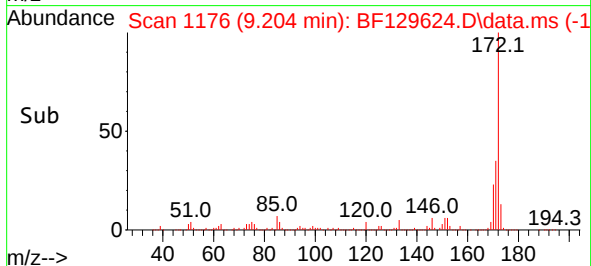


Tgt Ion:172 Resp: 1032256
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.4 19.8 29.8

Manual Integrations

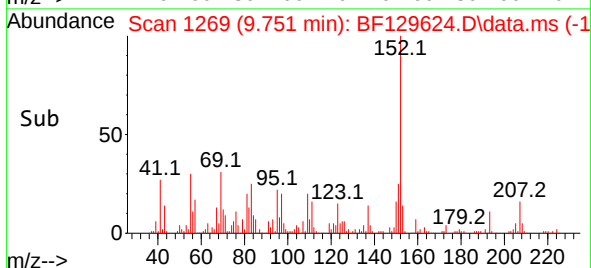
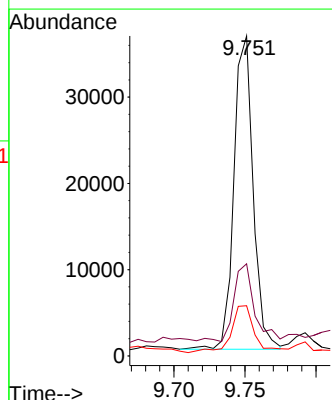
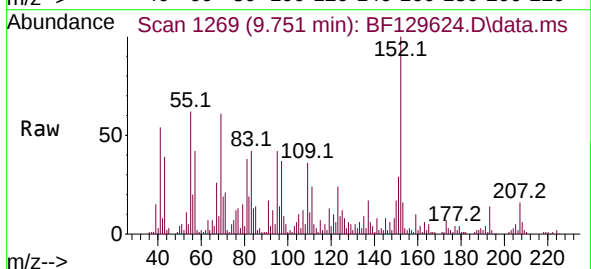
APPROVED

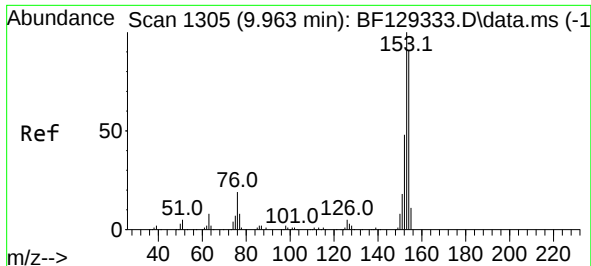
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#49
Acenaphthylene
Concen: 2.120 ng
RT: 9.751 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:152 Resp: 34151
Ion Ratio Lower Upper
152 100
151 28.8 16.2 24.4#
153 15.7 10.7 16.1





#52
Acenaphthene
Concen: 3.441 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

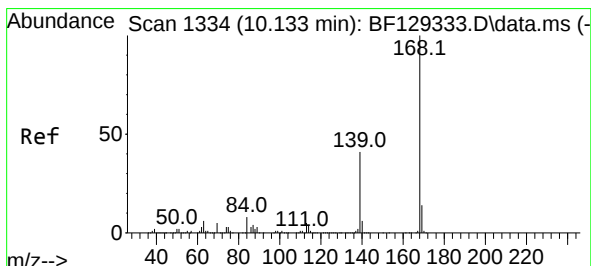
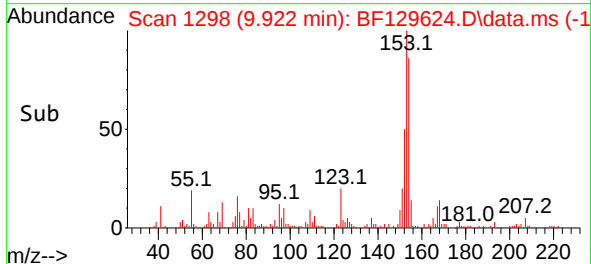
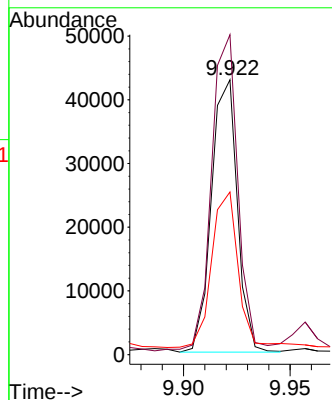
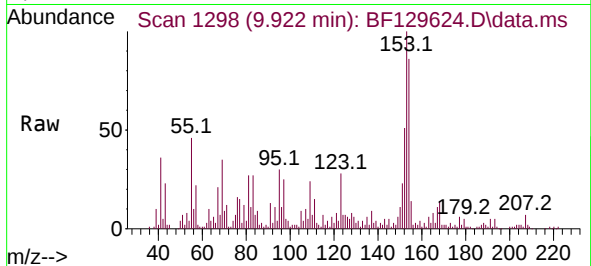
COMP3-0804

Tgt Ion:154 Resp: 36204
Ion Ratio Lower Upper
154 100
153 116.4 89.6 134.4
152 59.2 42.4 63.6

Manual Integrations

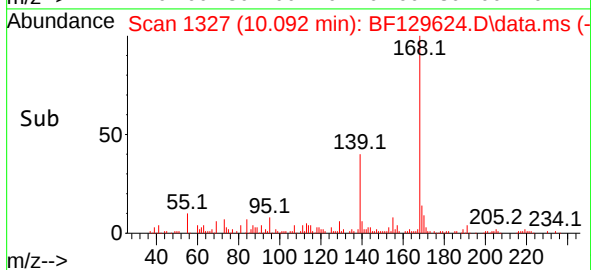
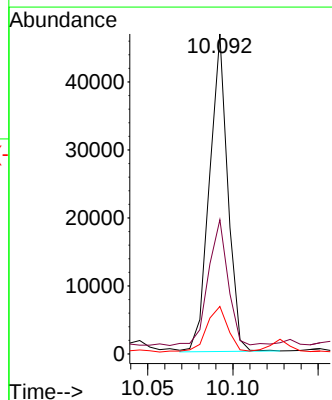
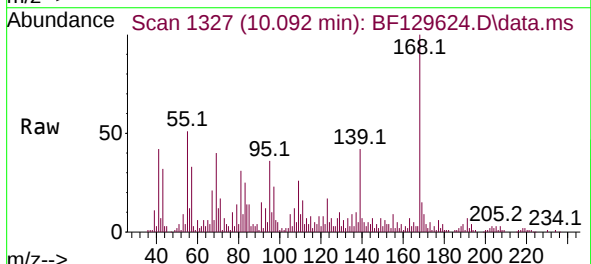
APPROVED

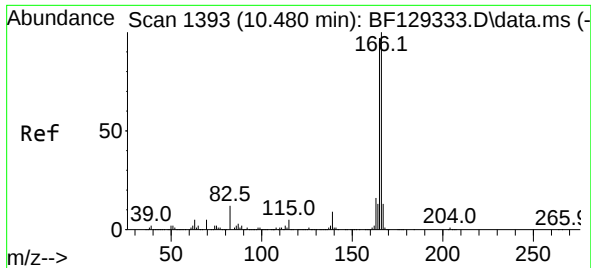
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#55
Dibenzofuran
Concen: 2.400 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

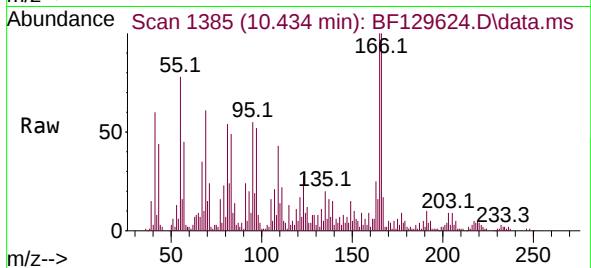
Tgt Ion:168 Resp: 34807
Ion Ratio Lower Upper
168 100
139 41.9 30.6 46.0
169 14.8 11.0 16.6





#58
Fluorene
Concen: 3.344 ng
RT: 10.434 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

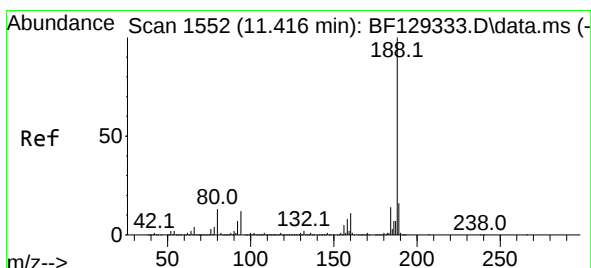
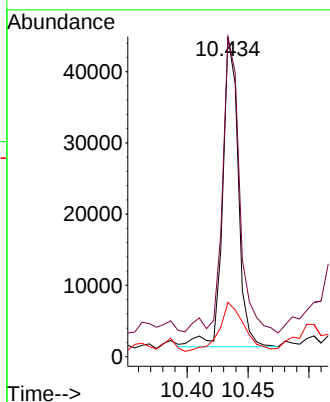
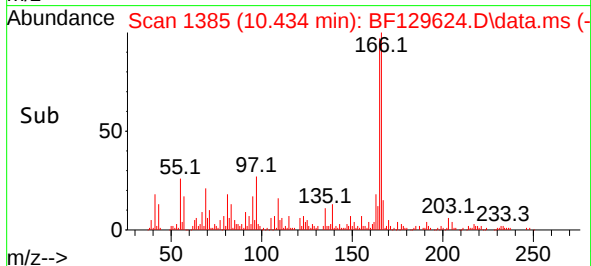
Instrument :
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COMP3-0804



Tgt Ion:166 Resp: 38804
Ion Ratio Lower Upper
166 100
165 99.8 78.1 117.1
167 17.0 10.5 15.7

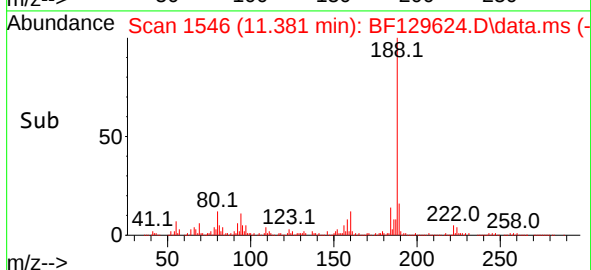
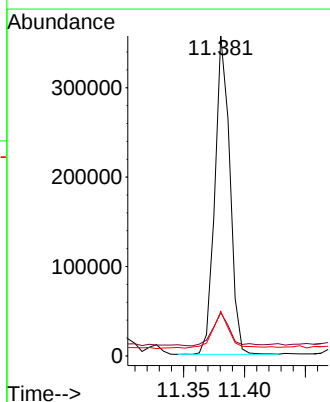
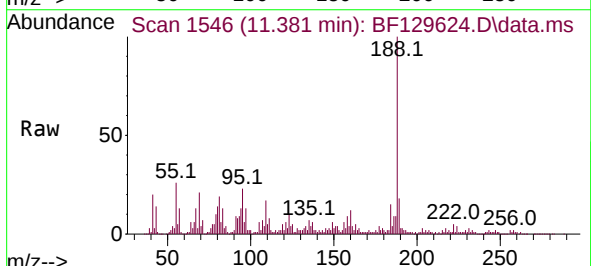
Manual Integrations
APPROVED

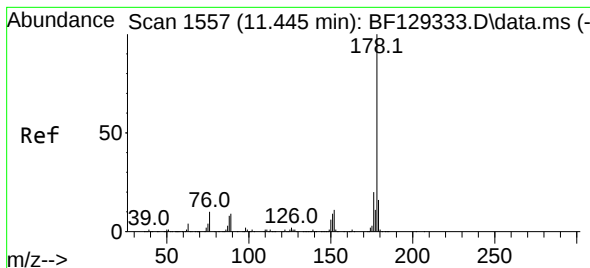
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

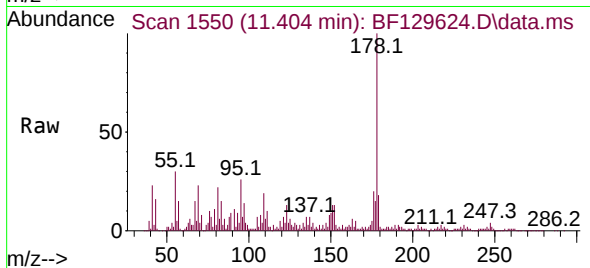
Tgt Ion:188 Resp: 305862
Ion Ratio Lower Upper
188 100
94 13.5 7.0 10.6#
80 13.9 7.6 11.4#





#71
Phenanthrene
Concen: 16.532 ng
RT: 11.404 min Scan# 11550
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

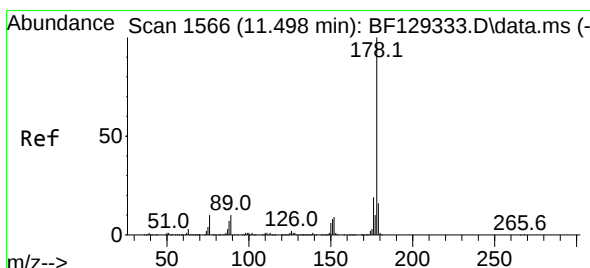
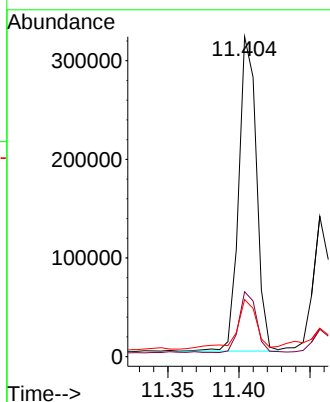
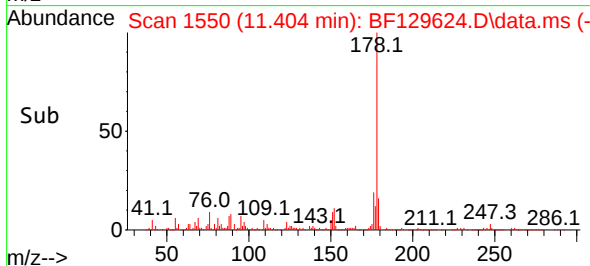
Instrument :
BNA_F
ClientSampleId :
COMP3-0804



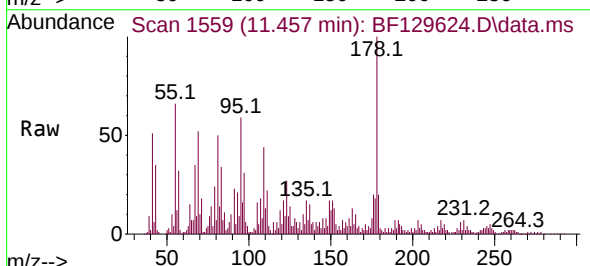
Tgt Ion:178 Resp: 276022
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 17.8 12.6 19.0

Manual Integrations
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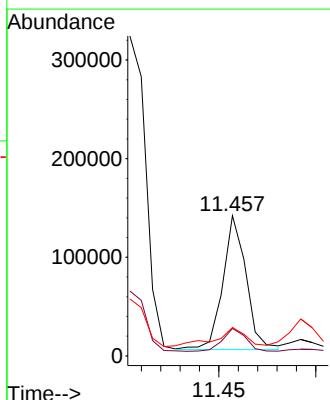
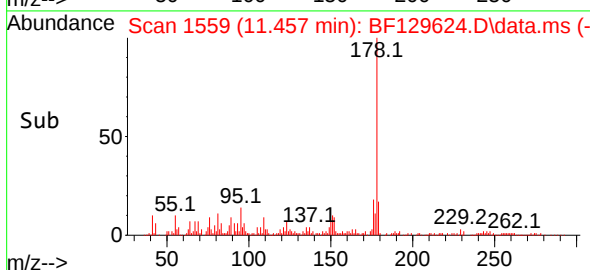
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

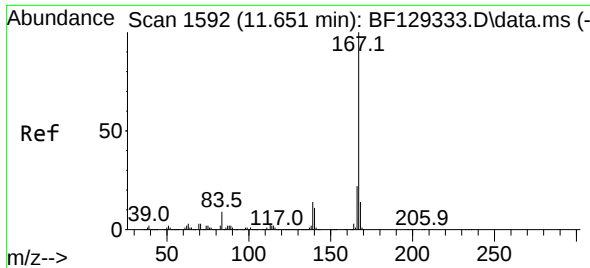


#72
Anthracene
Concen: 6.947 ng m
RT: 11.457 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



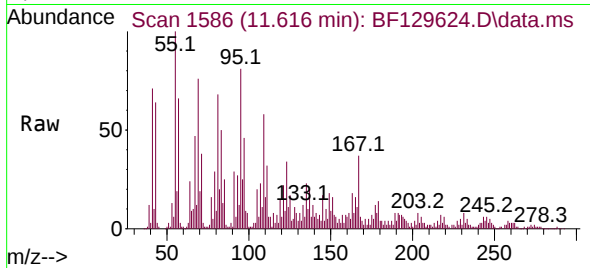
Tgt Ion:178 Resp: 113977
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 20.2 12.6 19.0#





#73
 Carbazole
 Concen: 2.470 ng
 RT: 11.616 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129624.D
 Acq: 06 Aug 2022 04:32

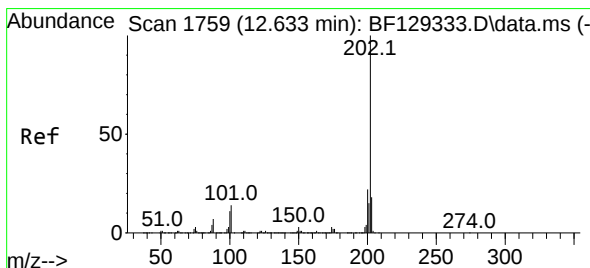
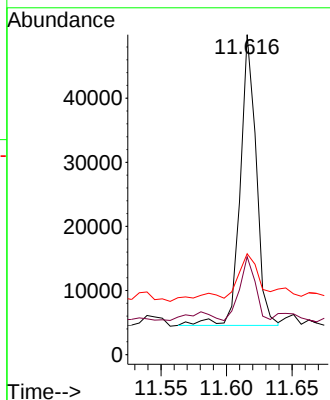
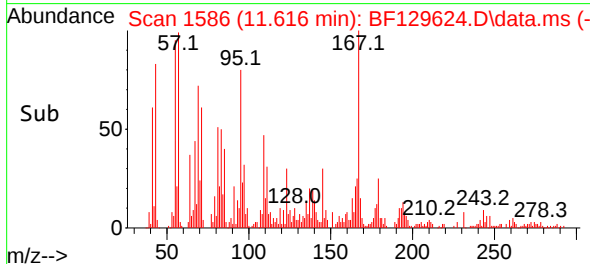
Instrument :
 BNA_F
 ClientSampleId :
 COMP3-0804



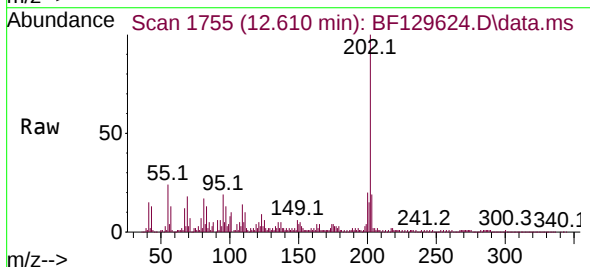
Tgt Ion:167 Resp: 38144
 Ion Ratio Lower Upper
 167 100
 166 30.6 17.7 26.5
 139 31.5 11.2 16.8

Manual Integrations
 APPROVED

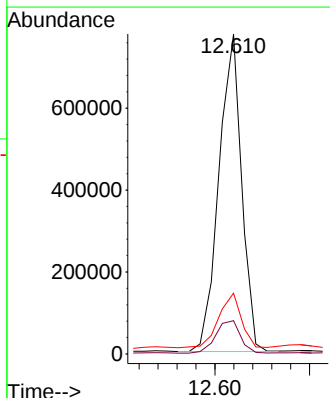
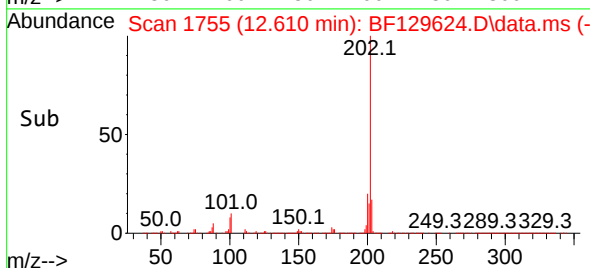
Reviewed By :Christian Giraldo 08/08/2022
 Supervised By :Jagrut Upadhyay 08/08/2022

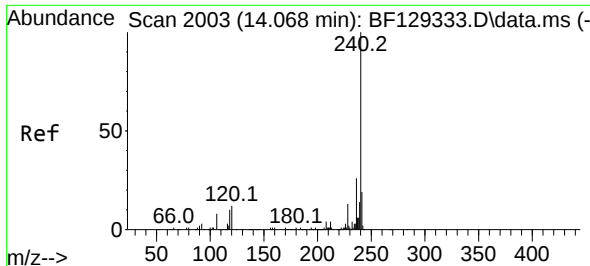


#75
 Fluoranthene
 Concen: 38.241 ng
 RT: 12.610 min Scan# 1755
 Delta R.T. 0.012 min
 Lab File: BF129624.D
 Acq: 06 Aug 2022 04:32



Tgt Ion:202 Resp: 646922
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.4
 203 19.0 0.0 38.0





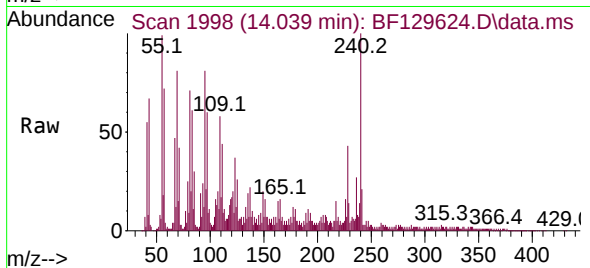
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.012 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

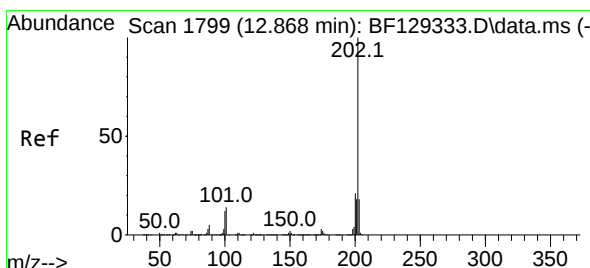
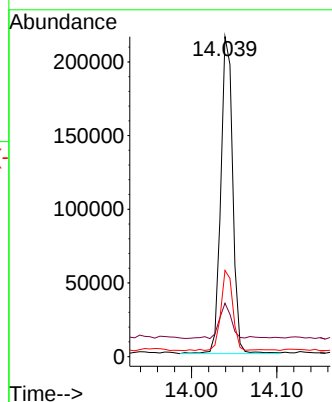
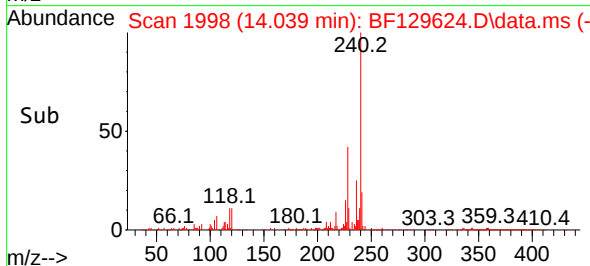


Tgt Ion:240 Resp: 209684
Ion Ratio Lower Upper
240 100
120 16.7 8.9 13.3
236 26.9 20.8 31.2

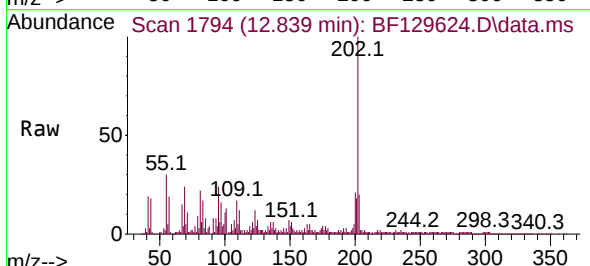
Manual Integrations

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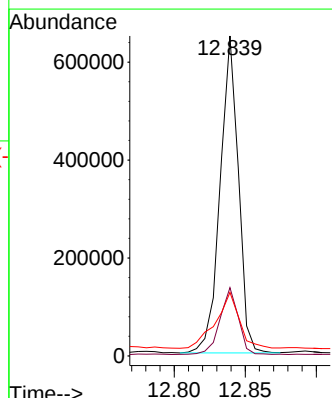
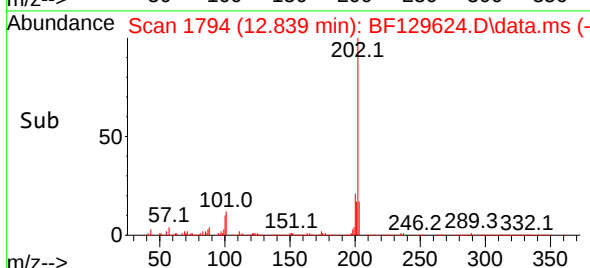
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

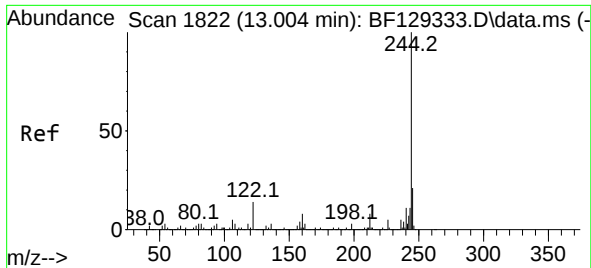


#78
Pyrene
Concen: 33.115 ng
RT: 12.839 min Scan# 1794
Delta R.T. 0.012 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



Tgt Ion:202 Resp: 580652
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 19.8 14.6 21.8





#79
Terphenyl-d14
Concen: 95.905 ng
RT: 12.975 min Scan# 1817
Delta R.T. 0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

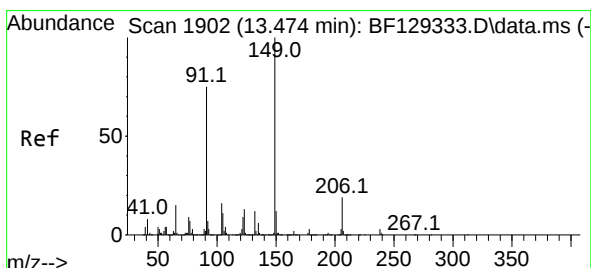
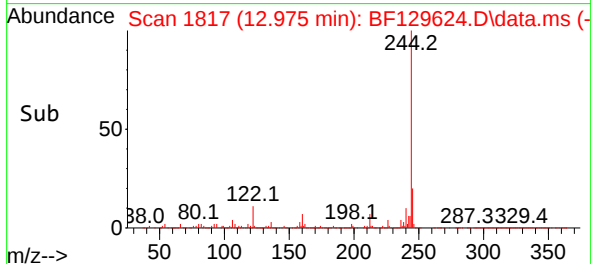
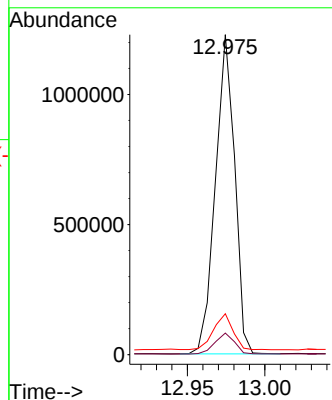
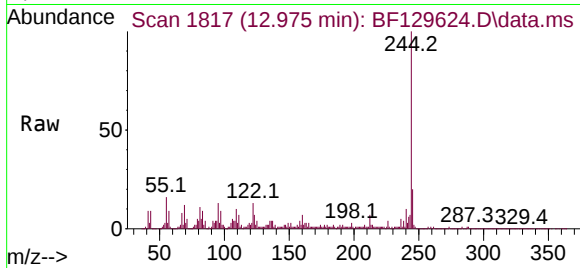
COMP3-0804

Tgt Ion:244 Resp: 1065931
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 12.8 8.8 13.2

Manual Integrations

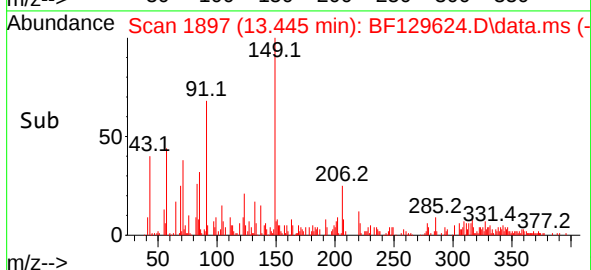
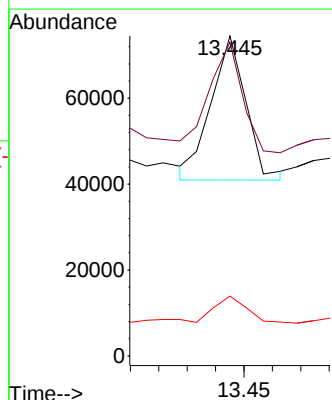
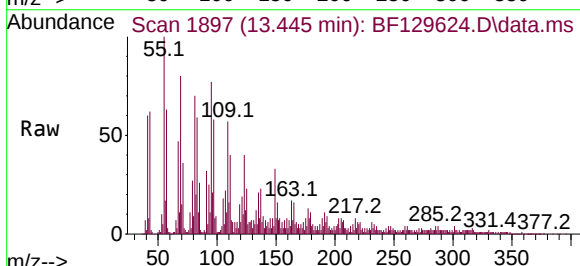
APPROVED

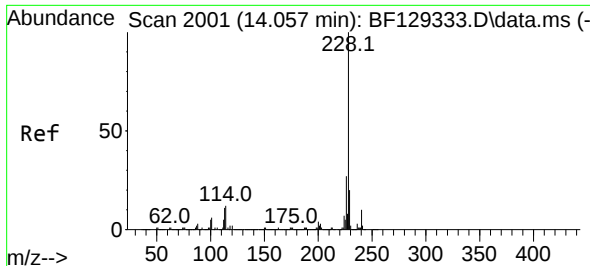
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#80
Butylbenzylphthalate
Concen: 3.766 ng
RT: 13.445 min Scan# 1897
Delta R.T. 0.006 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:149 Resp: 28640
Ion Ratio Lower Upper
149 100
91 98.0 61.2 91.8#
206 18.7 15.7 23.5





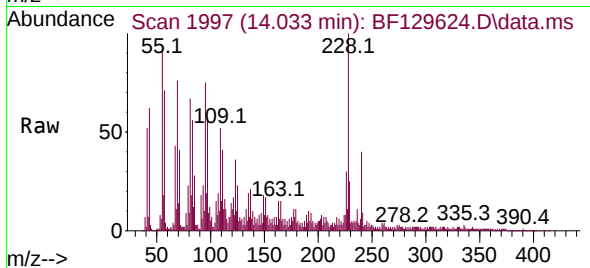
#81
Benzo(a)anthracene
Concen: 16.073 ng
RT: 14.033 min Scan# 19
Delta R.T. 0.018 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

ClientSampleId :

COMP3-0804

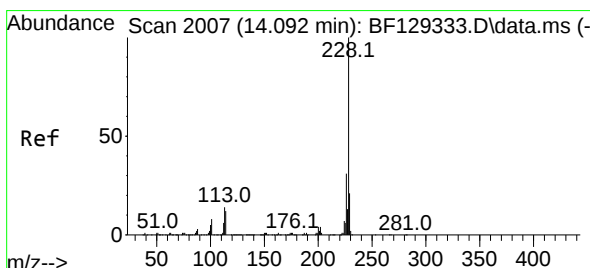
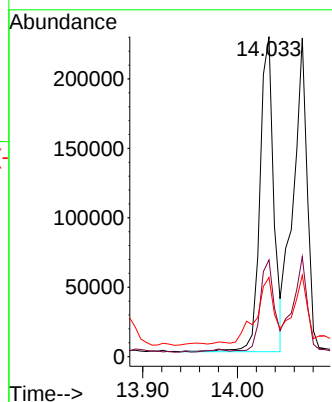
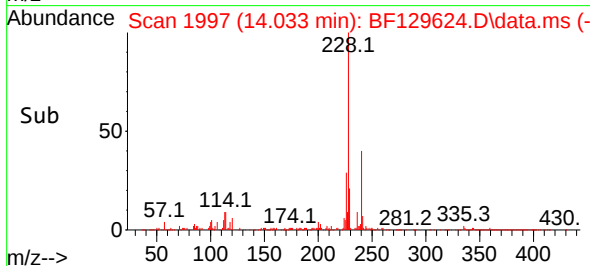


Tgt Ion:228 Resp: 230225
Ion Ratio Lower Upper
228 100
226 30.2 22.1 33.1
229 24.7 15.8 23.8

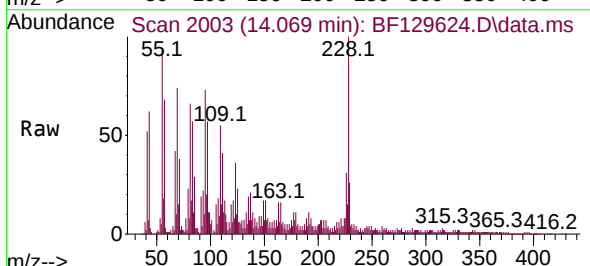
Manual Integrations

APPROVED

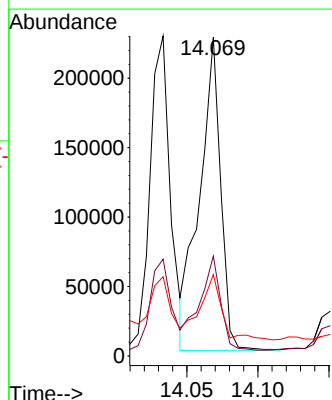
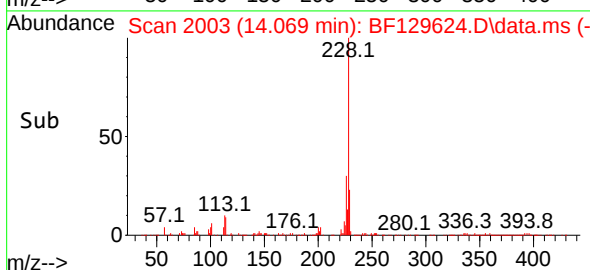
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

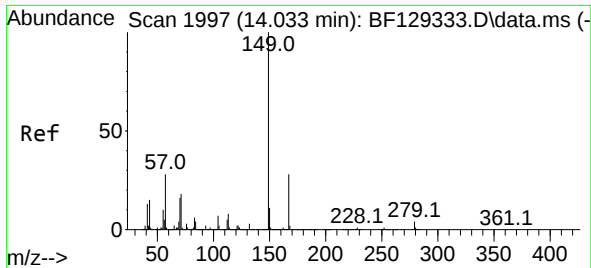


#83
Chrysene
Concen: 17.289 ng
RT: 14.069 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32



Tgt Ion:228 Resp: 233388
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 25.5 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 30.822 ng
RT: 14.004 min Scan# 1997
Delta R.T. 0.018 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

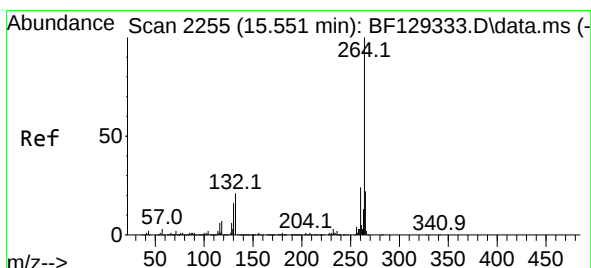
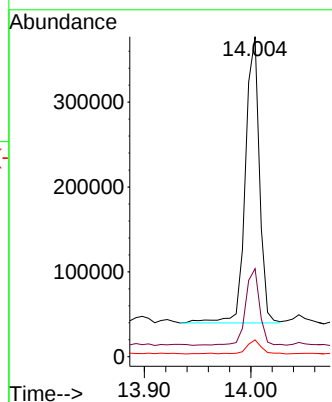
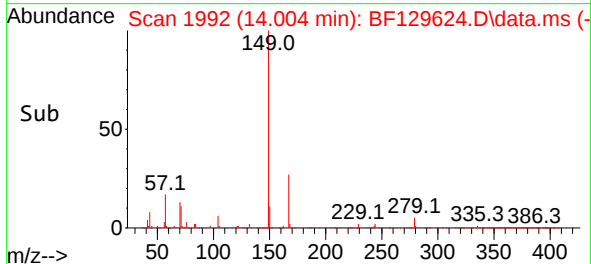
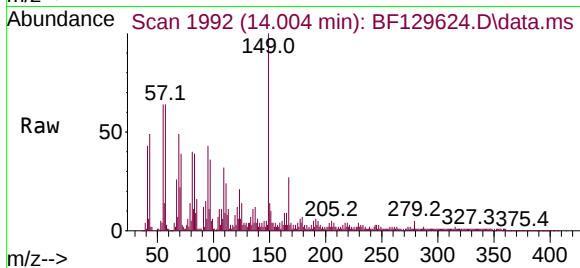
ClientSampleId :

COMP3-0804

Tgt Ion:149 Resp: 308620
Ion Ratio Lower Upper
149 100
167 27.5 21.0 31.4
279 5.2 3.1 4.7

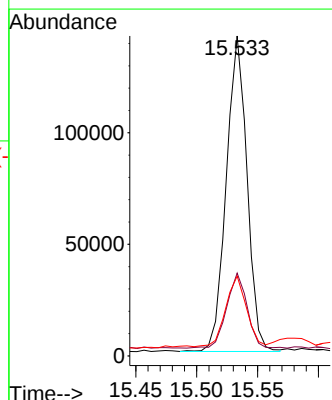
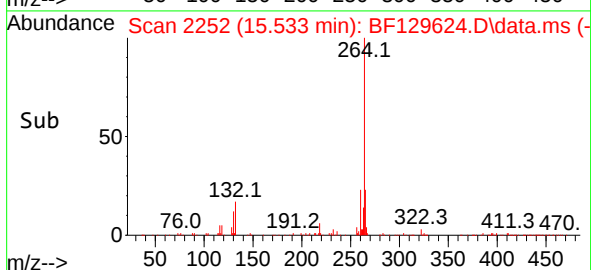
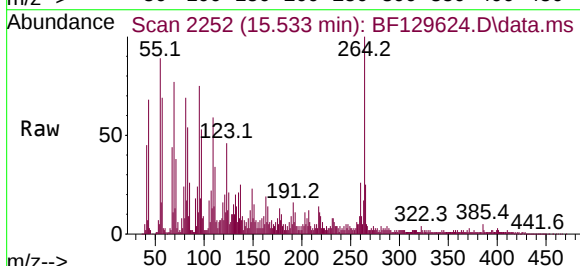
Manual Integrations
APPROVED

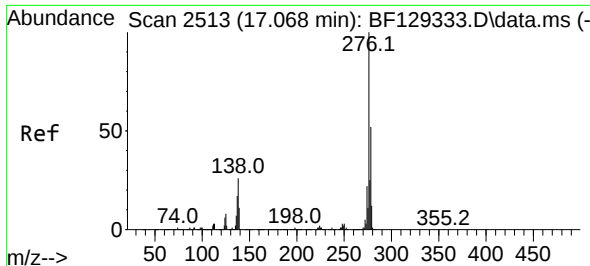
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. 0.029 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:264 Resp: 167285
Ion Ratio Lower Upper
264 100
260 25.9 18.4 27.6
265 24.9 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 11.956 ng
RT: 17.027 min Scan# 2177
Delta R.T. 0.029 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNA_F

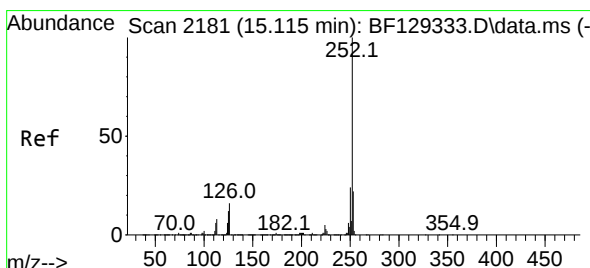
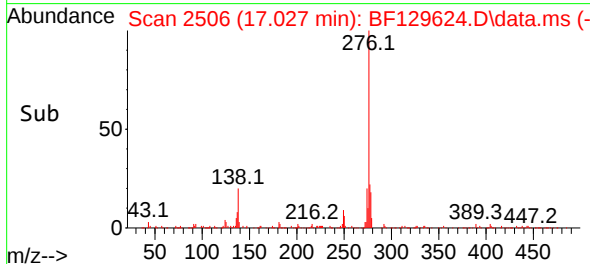
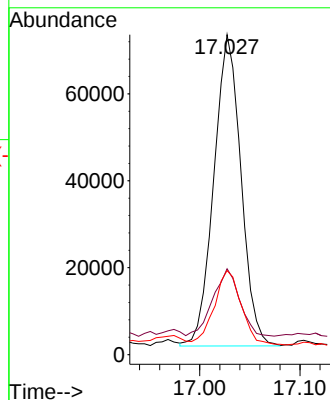
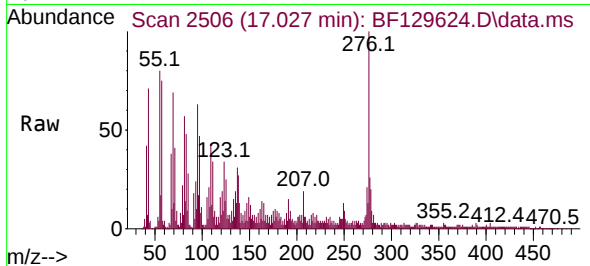
ClientSampleId :

COMP3-0804

Tgt Ion:276 Resp: 134688
Ion Ratio Lower Upper
276 100
138 21.1 21.1 31.7
277 23.8 20.3 30.5

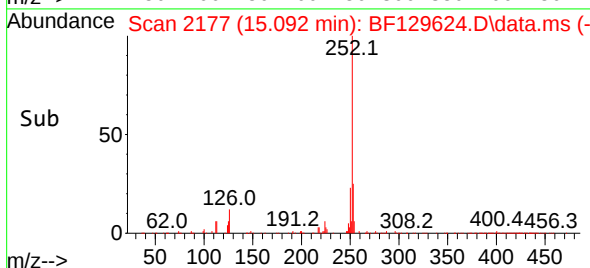
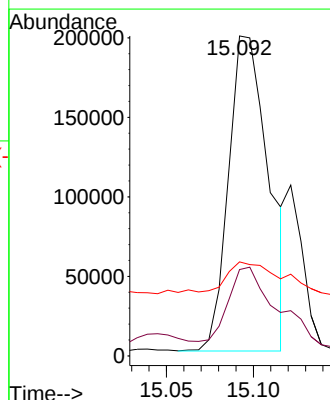
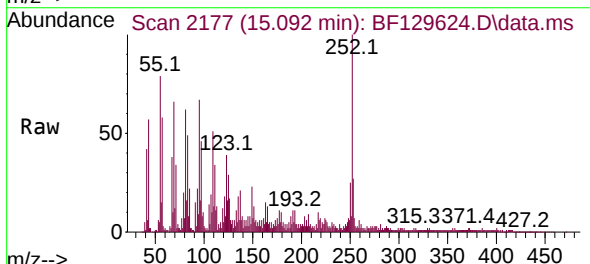
Manual Integrations
APPROVED

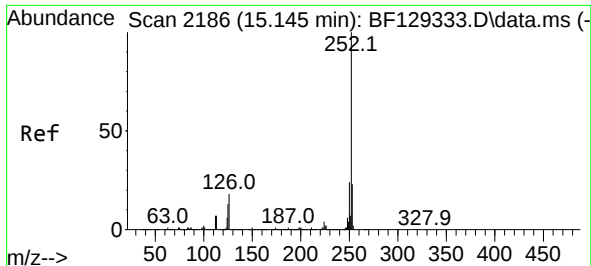
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#88
Benzo(b)fluoranthene
Concen: 28.738 ng m
RT: 15.092 min Scan# 2177
Delta R.T. 0.024 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:252 Resp: 318896
Ion Ratio Lower Upper
252 100
253 27.0 17.7 26.5#
125 29.4 8.0 12.0#





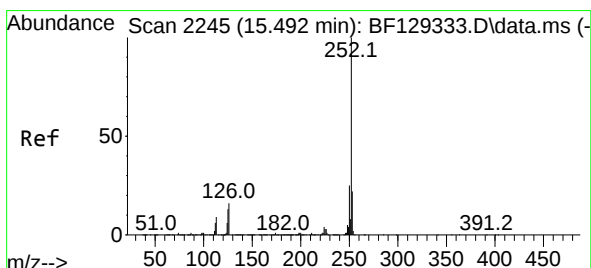
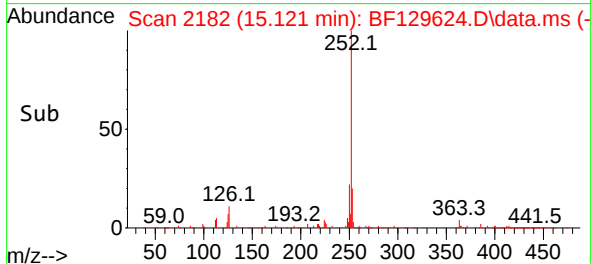
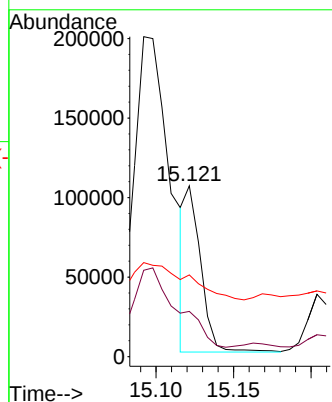
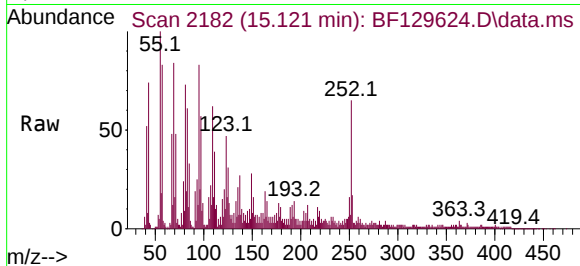
#89
Benzo(k)fluoranthene
Concen: 6.735 ng m
RT: 15.121 min Scan# 2186
Delta R.T. 0.018 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :
BNA_F
ClientSampleId :
COMP3-0804

Tgt Ion:252 Resp: 73239
Ion Ratio Lower Upper
252 100
253 26.5 17.8 26.6
125 47.9 8.3 12.5

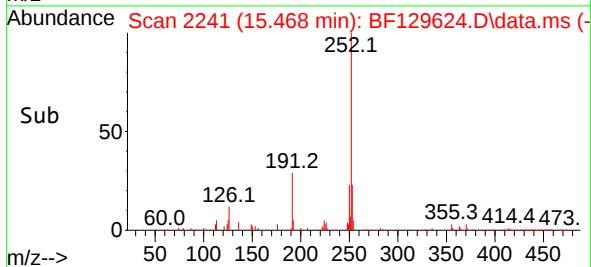
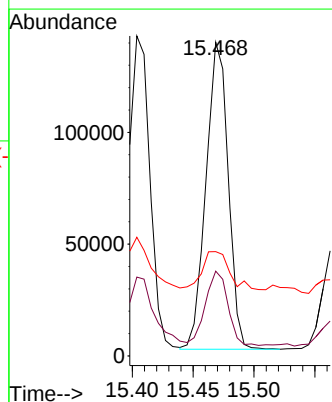
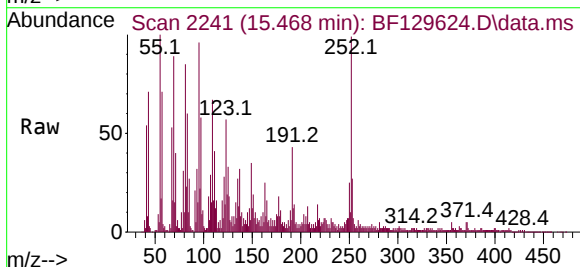
Manual Integrations
APPROVED

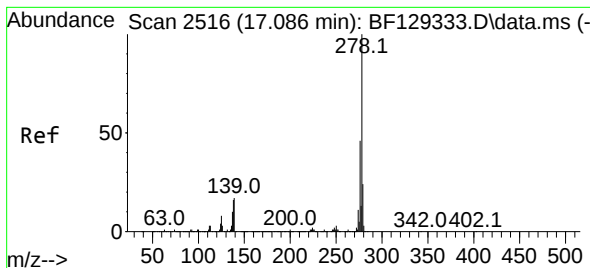
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#90
Benzo(a)pyrene
Concen: 19.446 ng
RT: 15.468 min Scan# 2241
Delta R.T. 0.029 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:252 Resp: 175166
Ion Ratio Lower Upper
252 100
253 27.0 17.0 25.6#
125 33.2 8.8 13.2#





#91
Dibenzo(a,h)anthracene
Concen: 3.645 ng
RT: 17.033 min Scan# 2516
Delta R.T. 0.024 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Instrument :

BNF_F

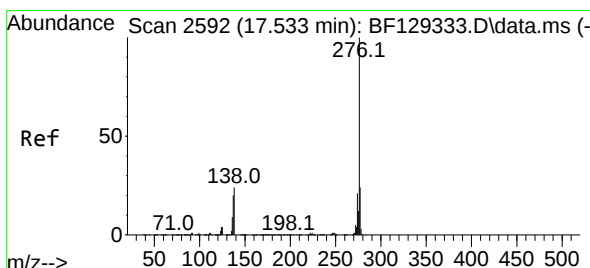
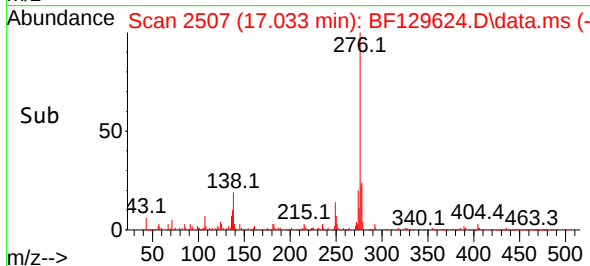
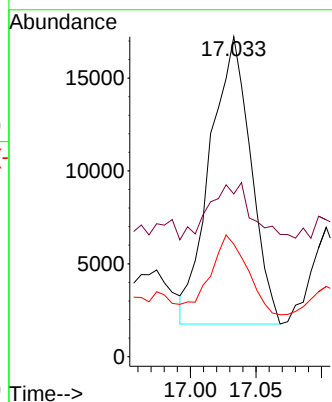
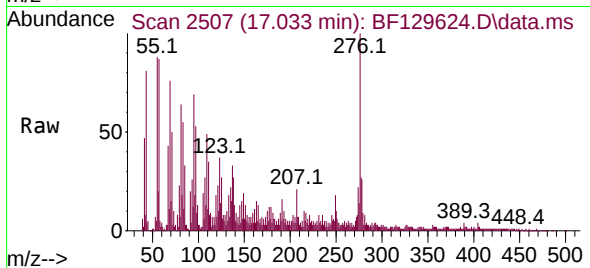
ClientSampleId :

COMP3-0804

Tgt Ion:278 Resp: 33417
Ion Ratio Lower Upper
278 100
139 50.8 12.8 19.2
279 35.1 18.6 28.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 15.221 ng
RT: 17.486 min Scan# 2584
Delta R.T. 0.035 min
Lab File: BF129624.D
Acq: 06 Aug 2022 04:32

Tgt Ion:276 Resp: 142606
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 27.1 18.0 27.0

