

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
 Data File : BF129622.D
 Acq On : 06 Aug 2022 03:26
 Operator : CG\JU
 Sample : N4061-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP2-0804

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:18:52 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	114215	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	390222	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	175347	20.000	ng	0.00
64) Phenanthrene-d10	11.381	188	304212	20.000	ng	0.00
76) Chrysene-d12	14.027	240	235319	20.000	ng	# 0.00
86) Perylene-d12	15.516	264	188059	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	717359	102.314	ng	0.00
7) Phenol-d6	6.504	99	826103	93.738	ng	0.00
23) Nitrobenzene-d5	7.410	82	499963	69.940	ng	-0.01
42) 2,4,6-Tribromophenol	10.681	330	176538	104.719	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	765012	67.491	ng	0.00
79) Terphenyl-d14	12.963	244	779250	62.473	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.275	107	27016	3.344	ng	# 70
52) Acenaphthene	9.916	154	25094	2.444	ng	100
58) Fluorene	10.434	166	26488	2.339	ng	99
71) Phenanthrene	11.404	178	237533	14.304	ng	98
72) Anthracene	11.451	178	79100	4.847	ng	98
75) Fluoranthene	12.598	202	536100	31.862	ng	100
78) Pyrene	12.827	202	485929	24.694	ng	98
81) Benzo(a)anthracene	14.022	228	216030	13.439	ng	95
83) Chrysene	14.057	228	206818	13.652	ng	96
84) Bis(2-ethylhexyl)phtha...	13.992	149	151122	13.449	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	96091	7.588	ng	97
88) Benzo(b)fluoranthene	15.080	252	255837m	20.509	ng	
89) Benzo(k)fluoranthene	15.104	252	59444m	4.863	ng	
90) Benzo(a)pyrene	15.451	252	147931	14.608	ng	# 83
91) Dibenzo(a,h)anthracene	17.004	278	24475	2.375	ng	# 52
92) Benzo(g,h,i)perylene	17.457	276	97383	9.246	ng	# 94

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

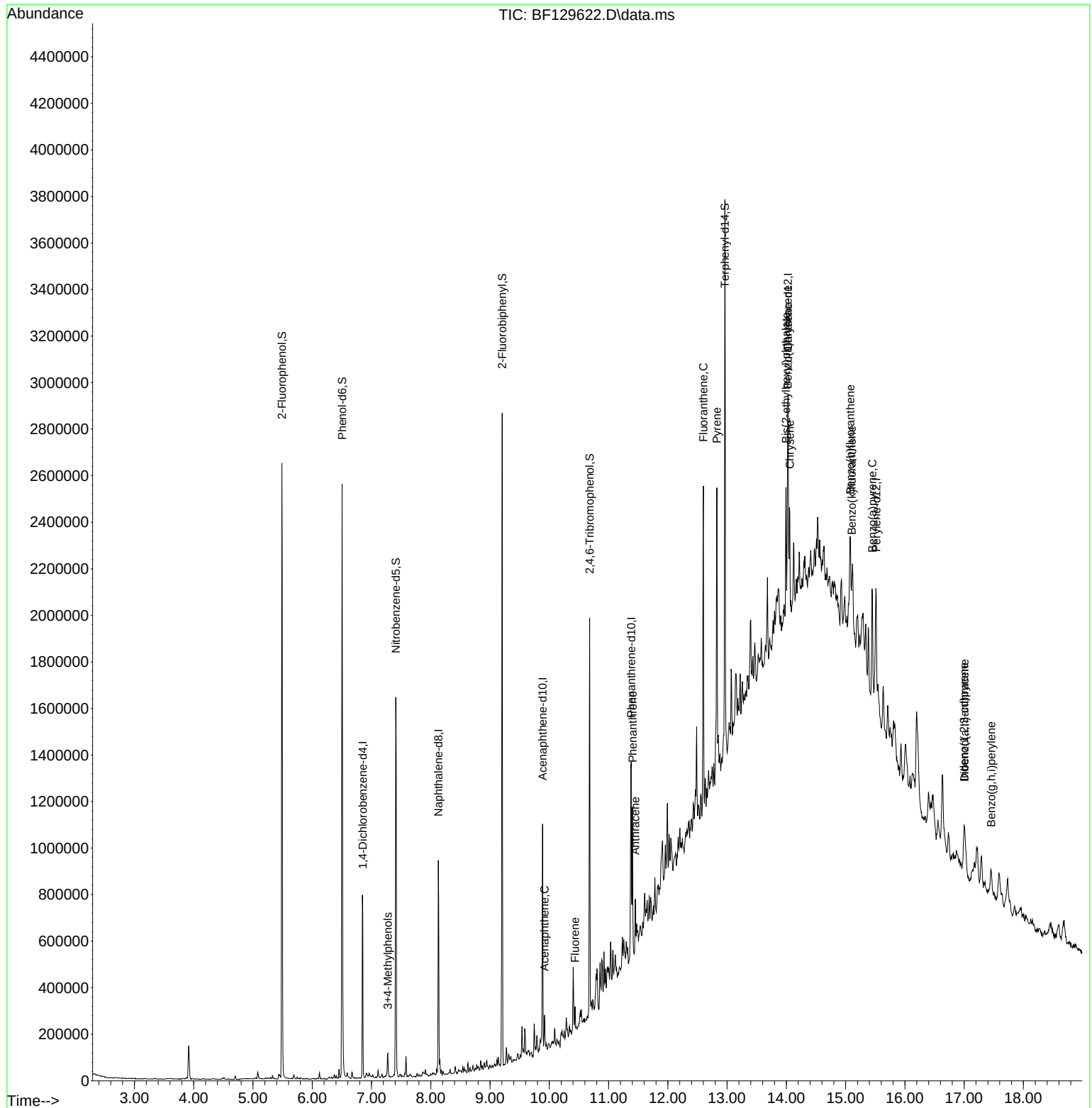
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080522\
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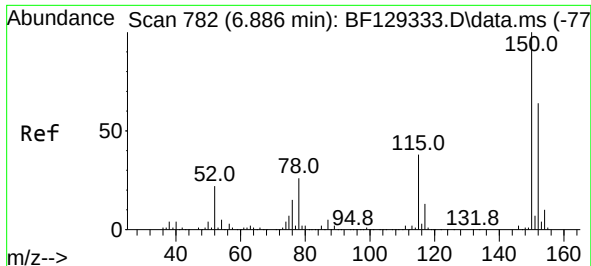
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Quant Time: Aug 08 02:18:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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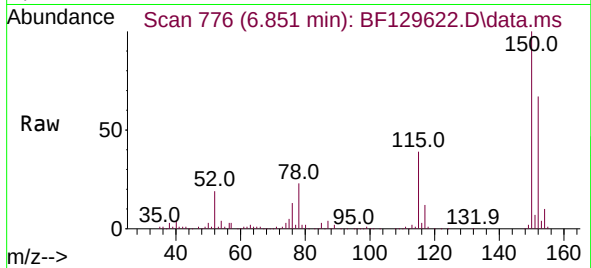
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

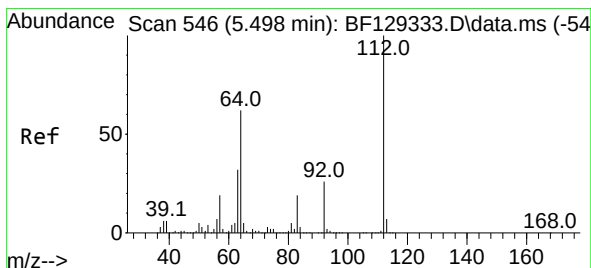
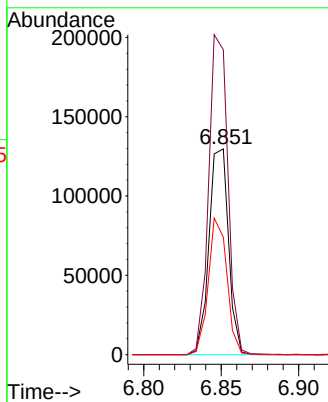
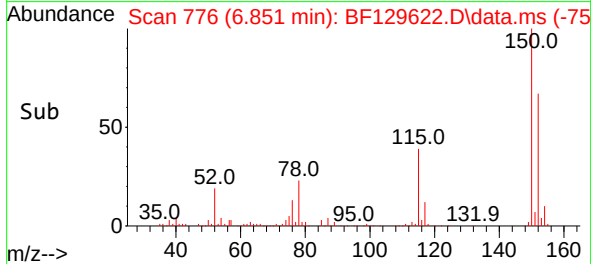
Instrument :
BNA_F
ClientSampleId :
COMP2-0804



Tgt Ion:152 Resp: 114215
Ion Ratio Lower Upper
152 100
150 148.2 123.7 185.5
115 57.1 49.9 74.9

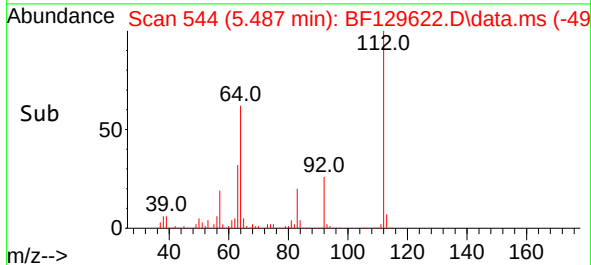
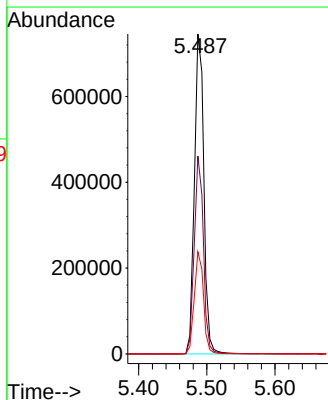
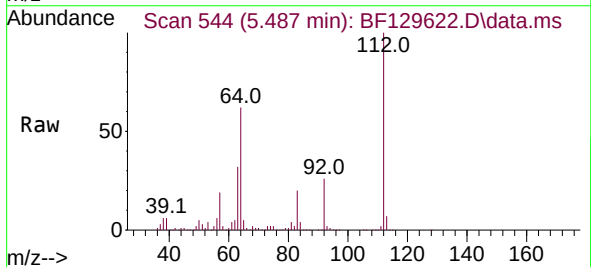
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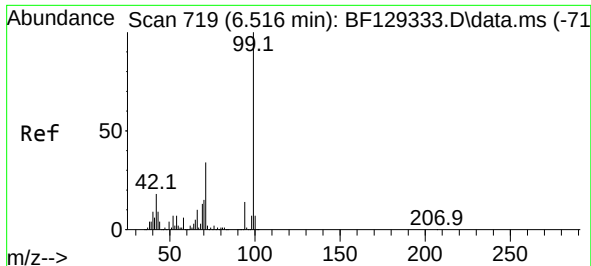
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#5
2-Fluorophenol
Concen: 102.314 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

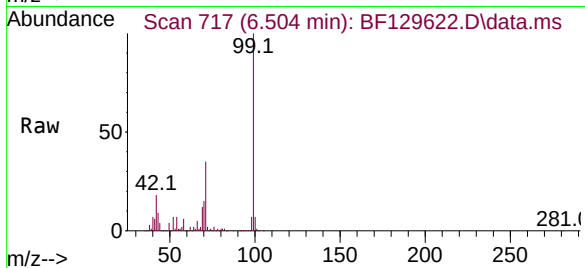
Tgt Ion:112 Resp: 717359
Ion Ratio Lower Upper
112 100
64 61.8 53.3 79.9
63 31.9 28.0 42.0





#7
Phenol-d6
Concen: 93.738 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

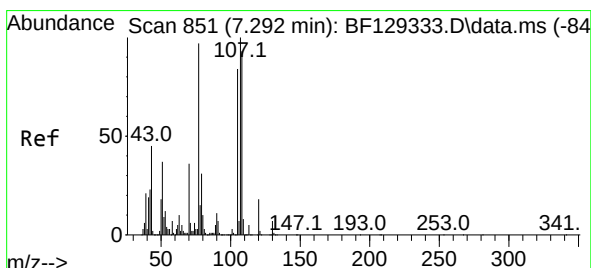
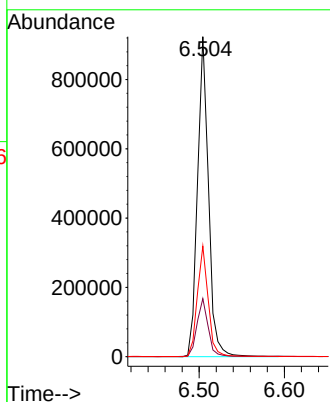
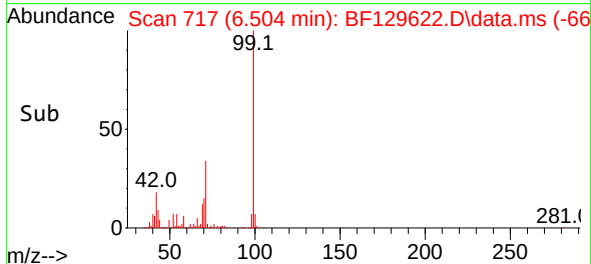
Instrument :
BNA_F
ClientSampleId :
COMP2-0804



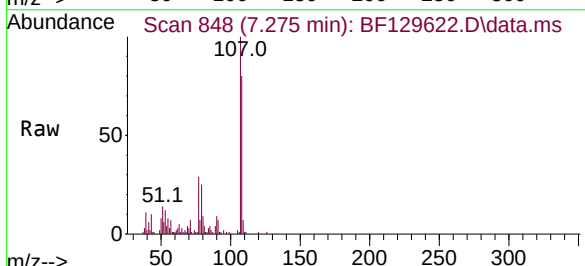
Tgt Ion: 99 Resp: 826103
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 34.5 28.9 43.3

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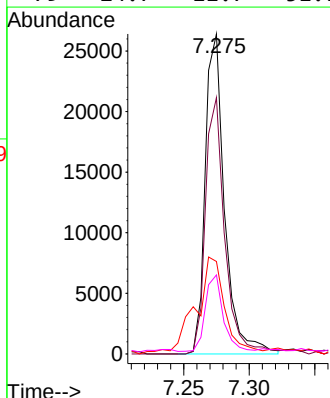
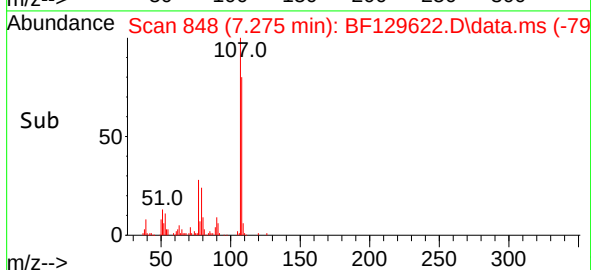
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

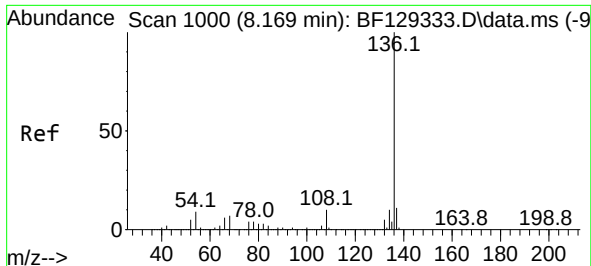


#20
3+4-Methylphenols
Concen: 3.344 ng
RT: 7.275 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26



Tgt Ion:107 Resp: 27016
Ion Ratio Lower Upper
107 100
108 80.1 71.8 111.8
77 28.9 59.3 99.3#
79 24.7 11.7 51.7





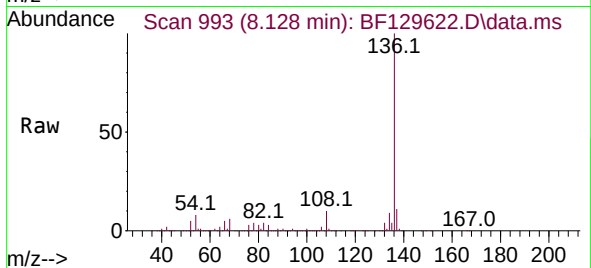
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

COMP2-0804

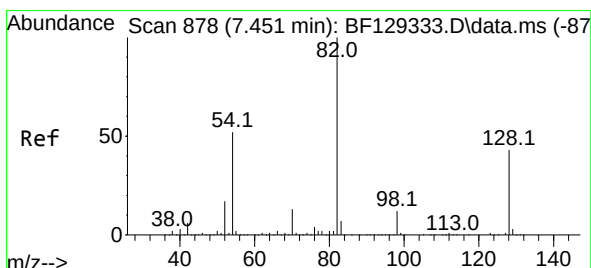
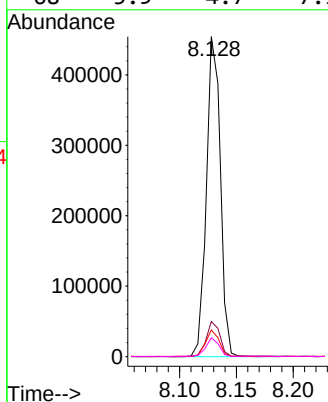
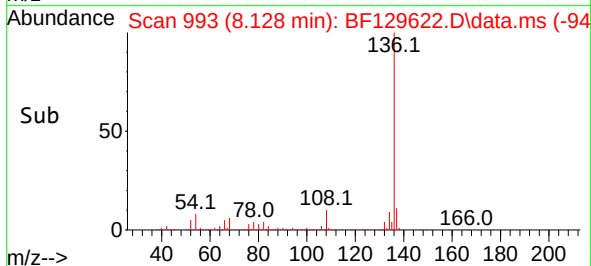


Tgt Ion:136 Resp: 390222
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.3 7.5 11.3
68 5.9 4.7 7.1

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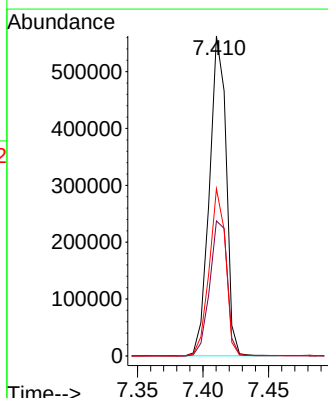
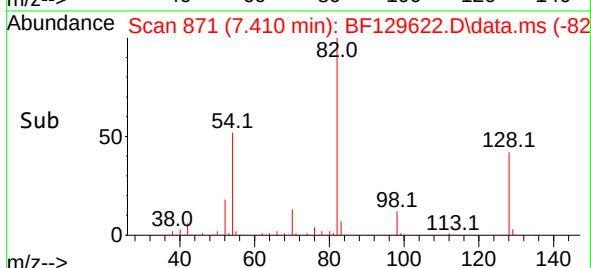
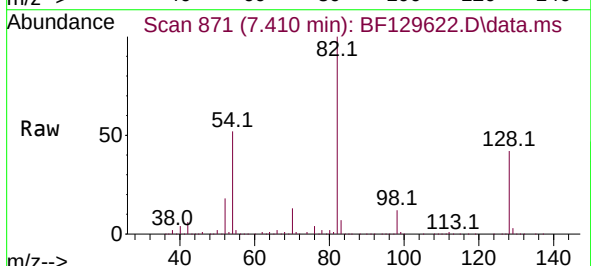
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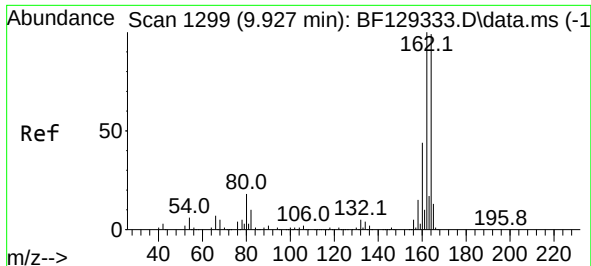
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#23
Nitrobenzene-d5
Concen: 69.940 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Tgt Ion: 82 Resp: 499963
Ion Ratio Lower Upper
82 100
128 42.2 34.0 51.0
54 52.3 46.9 70.3





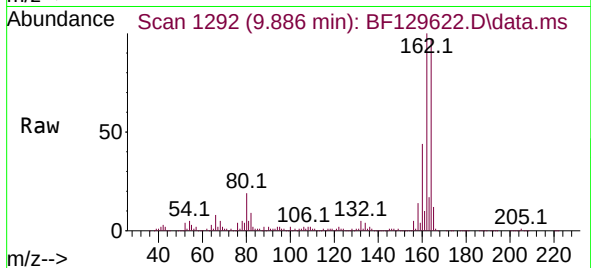
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

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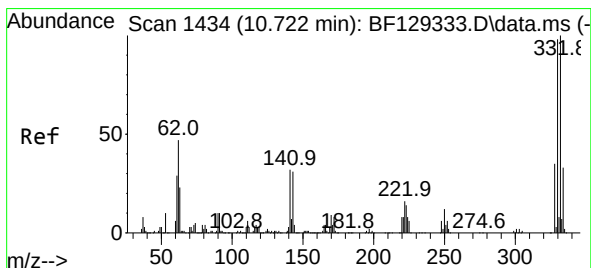
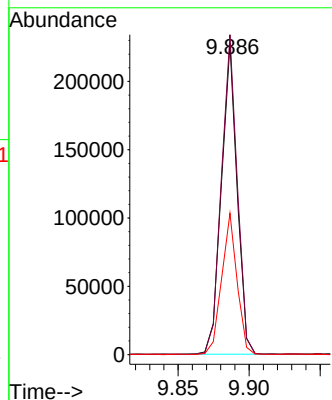
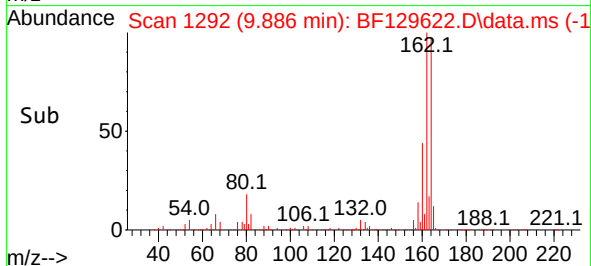


Tgt Ion:164 Resp: 17534
Ion Ratio Lower Upper
164 100
162 102.9 79.5 119.3
160 45.4 34.2 51.4

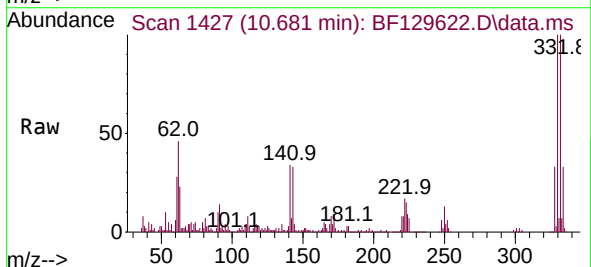
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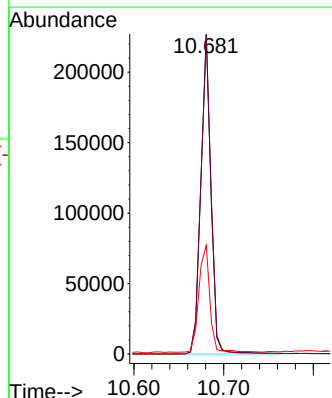
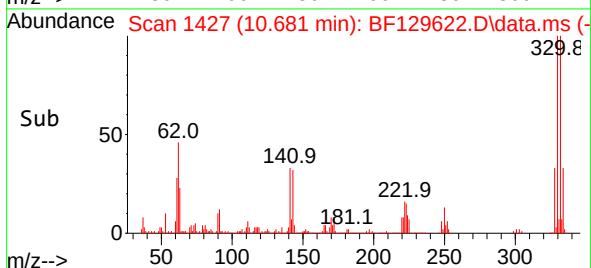
Reviewed By :Christian Giraldo 08/08/2022
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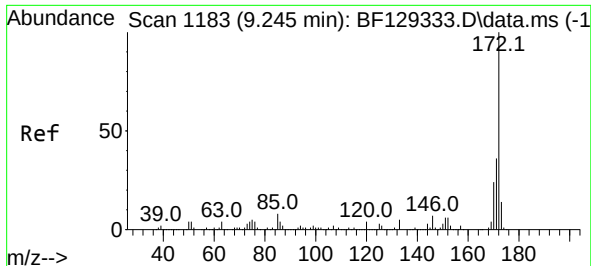


#42
2,4,6-Tribromophenol
Concen: 104.719 ng
RT: 10.681 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26



Tgt Ion:330 Resp: 176538
Ion Ratio Lower Upper
330 100
332 100.8 76.8 115.2
141 36.5 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 67.491 ng

RT: 9.204 min Scan# 1183

Delta R.T. -0.006 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

COMP2-0804

Tgt Ion:172 Resp: 765012

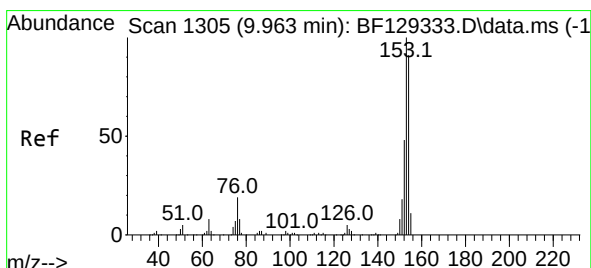
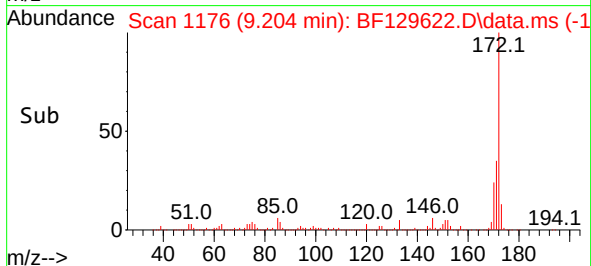
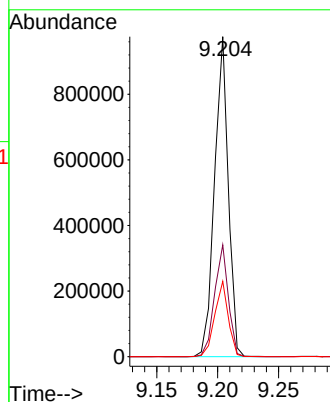
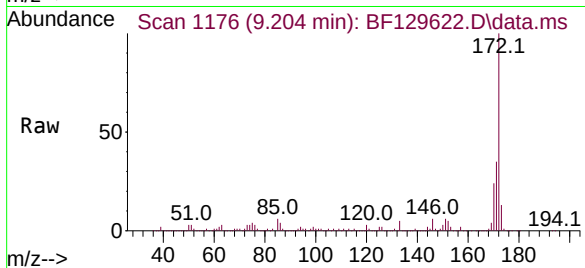
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.8	43.2
170	23.5	19.8	29.8

Manual Integrations

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#52

Acenaphthene

Concen: 2.444 ng

RT: 9.916 min Scan# 1297

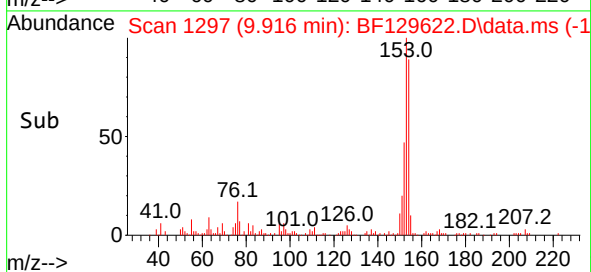
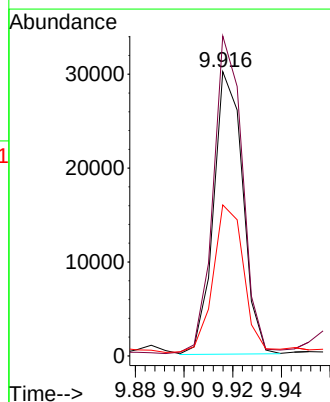
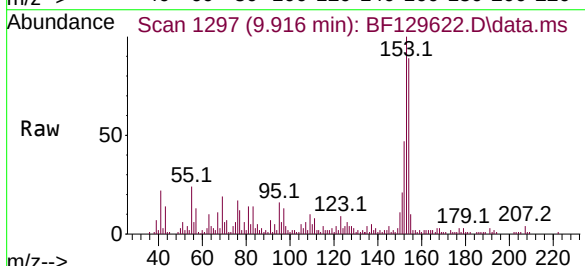
Delta R.T. -0.012 min

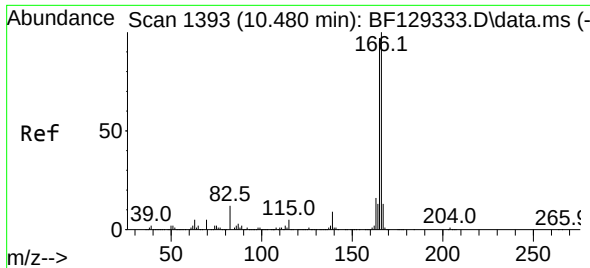
Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Tgt Ion:154 Resp: 25094

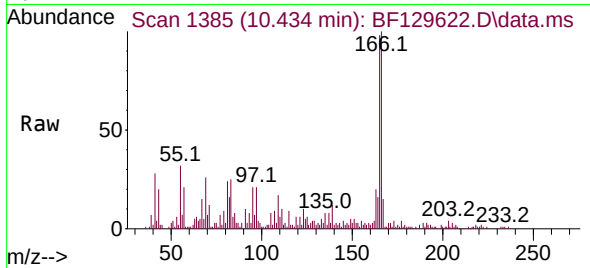
Ion	Ratio	Lower	Upper
154	100		
153	112.6	89.6	134.4
152	53.1	42.4	63.6





#58
Fluorene
Concen: 2.339 ng
RT: 10.434 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

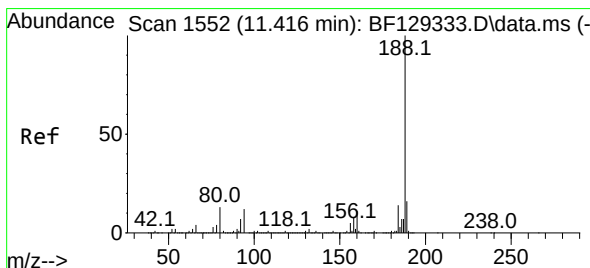
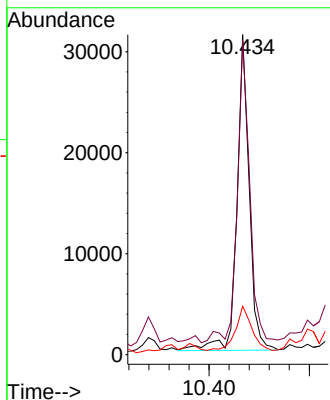
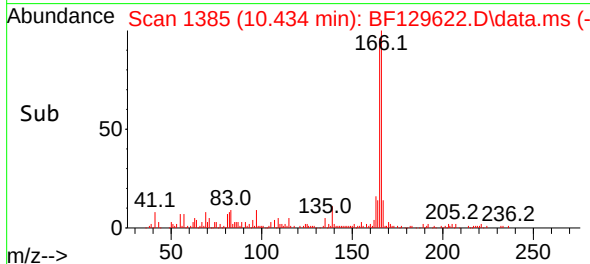
Instrument :
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COMP2-0804



Tgt Ion:166 Resp: 26488
Ion Ratio Lower Upper
166 100
165 98.1 78.1 117.1
167 15.1 10.5 15.7

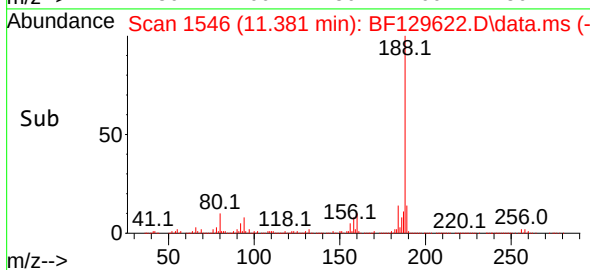
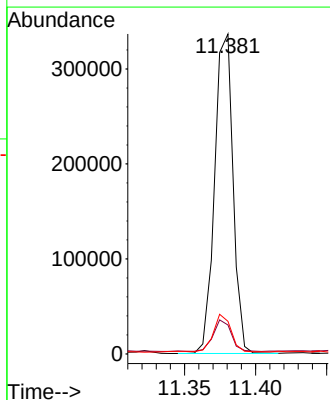
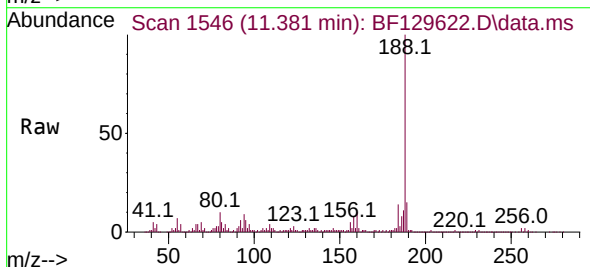
Manual Integrations
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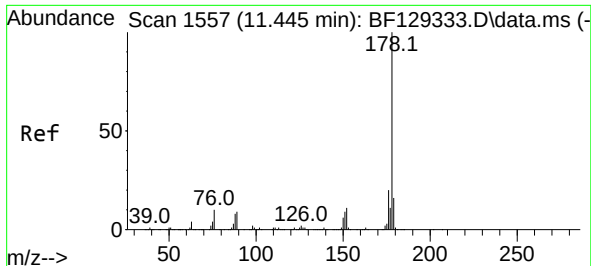
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.381 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Tgt Ion:188 Resp: 304212
Ion Ratio Lower Upper
188 100
94 9.0 7.0 10.6
80 10.2 7.6 11.4





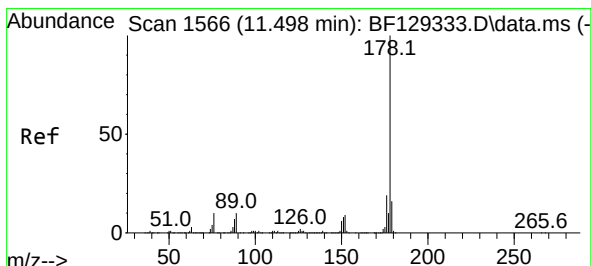
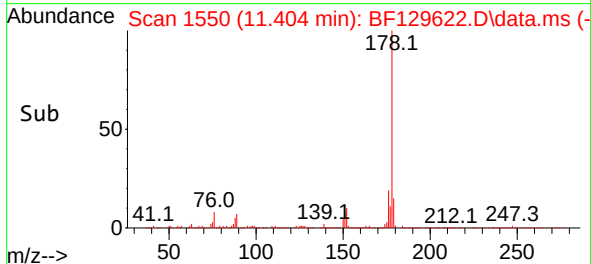
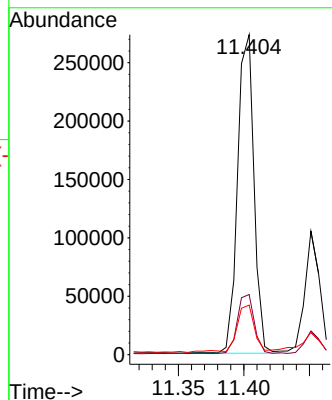
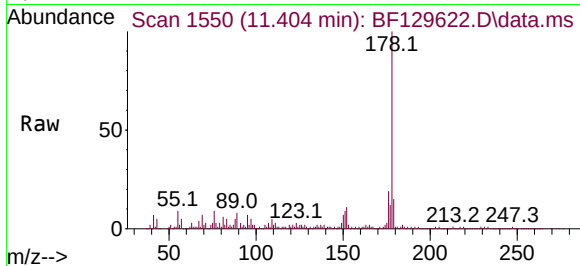
#71
Phenanthrene
Concen: 14.304 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Instrument :
BNA_F
ClientSampleId :
COMP2-0804

Tgt Ion:178 Resp: 237533
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 15.5 12.6 19.0

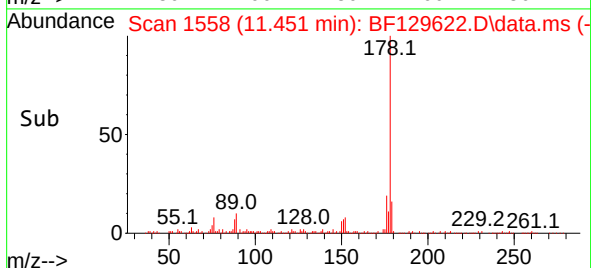
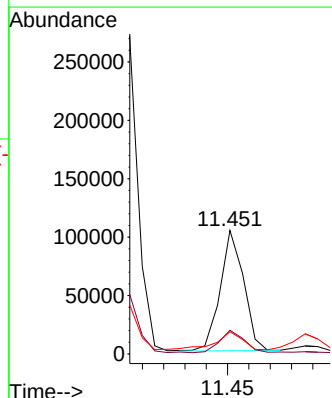
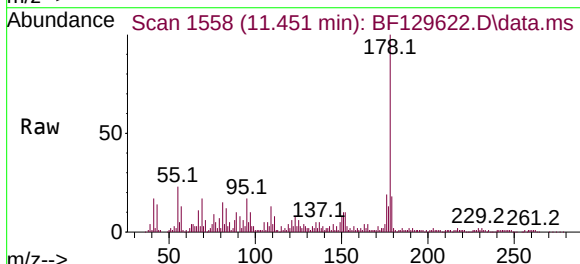
Manual Integrations
APPROVED

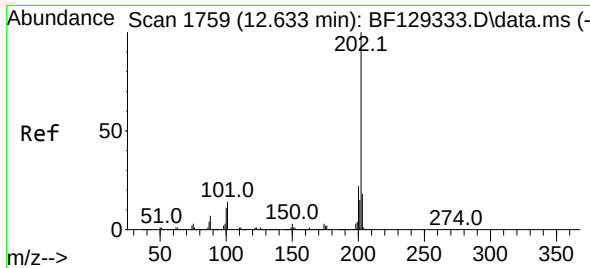
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#72
Anthracene
Concen: 4.847 ng
RT: 11.451 min Scan# 1558
Delta R.T. -0.012 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

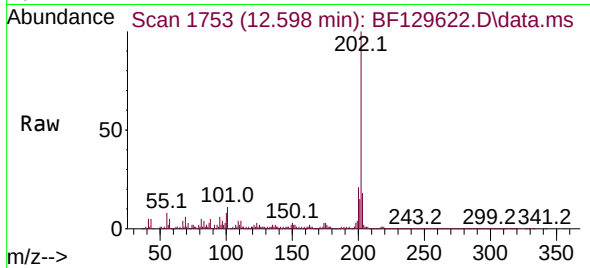
Tgt Ion:178 Resp: 79100
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 18.0 12.6 19.0





#75
Fluoranthene
Concen: 31.862 ng
RT: 12.598 min Scan# 1759
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

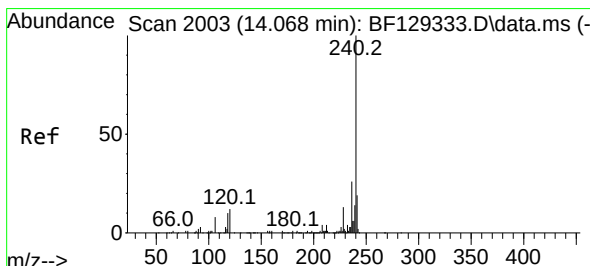
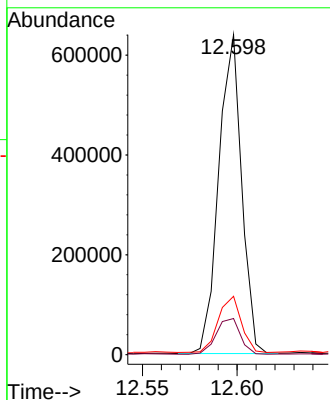
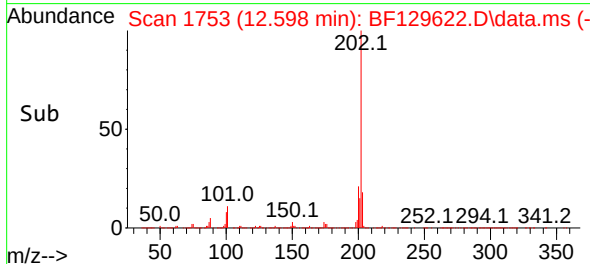
Instrument :
BNA_F
ClientSampleId :
COMP2-0804



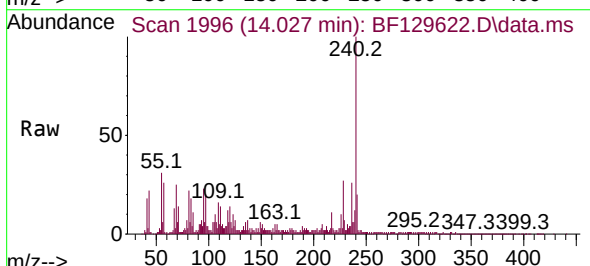
Tgt Ion:202 Resp: 536100
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 18.2 0.0 38.0

Manual Integrations
APPROVED

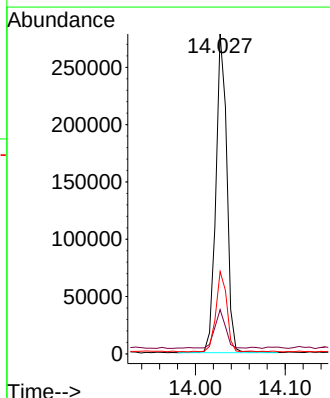
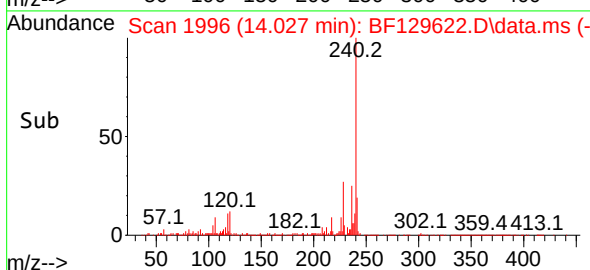
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022

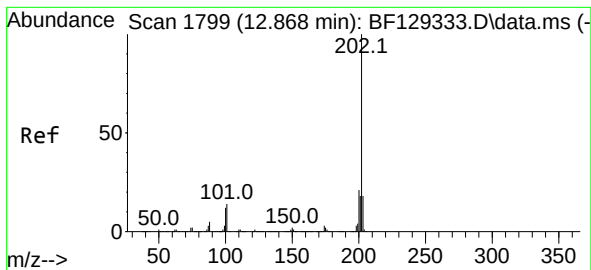


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26



Tgt Ion:240 Resp: 235319
Ion Ratio Lower Upper
240 100
120 13.8 8.9 13.3#
236 25.7 20.8 31.2





#78

Pyrene

Concen: 24.694 ng

RT: 12.827 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

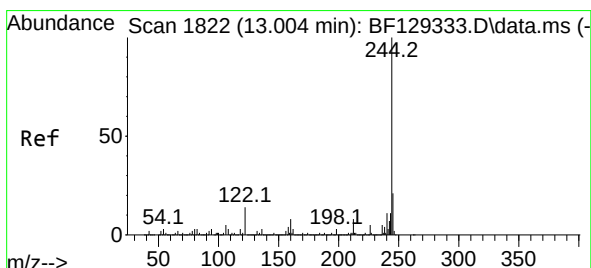
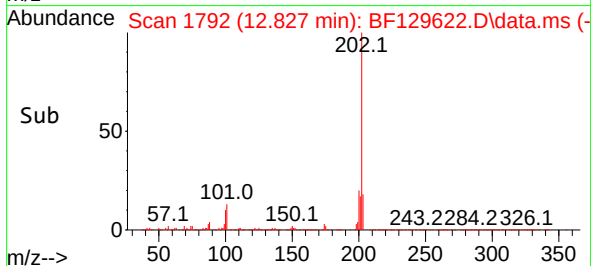
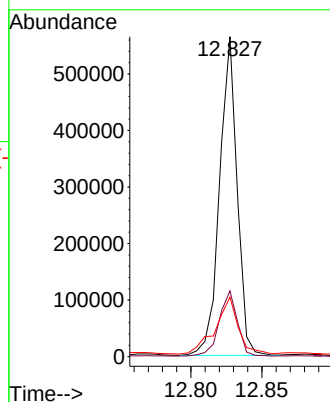
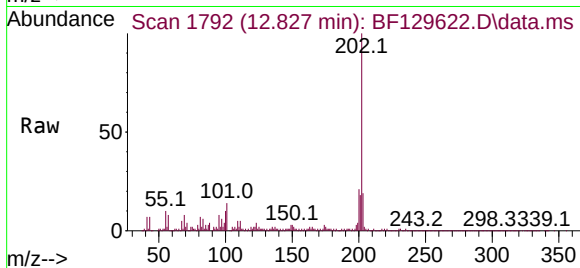
COMP2-0804

Tgt Ion:202 Resp: 485929
 Ion Ratio Lower Upper
 202 100
 200 20.5 17.7 26.5
 203 18.6 14.6 21.8

Manual Integrations

APPROVED

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



#79

Terphenyl-d14

Concen: 62.473 ng

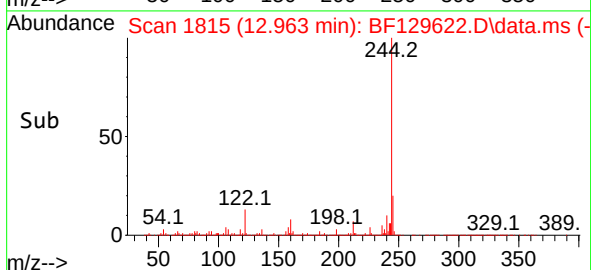
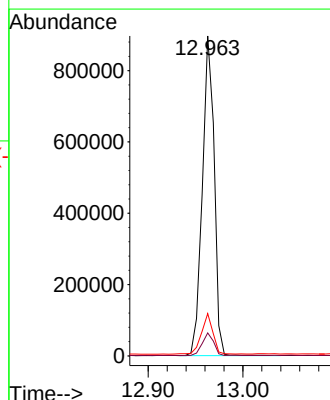
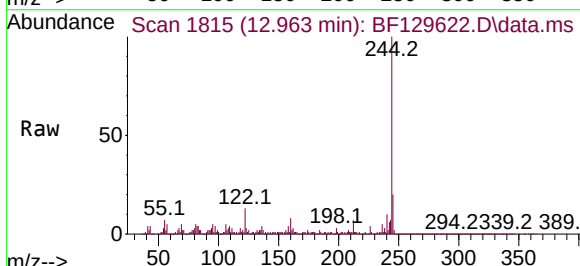
RT: 12.963 min Scan# 1815

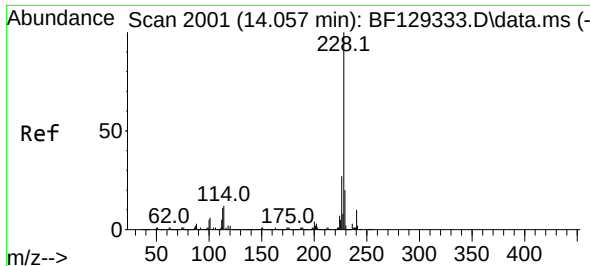
Delta R.T. -0.006 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

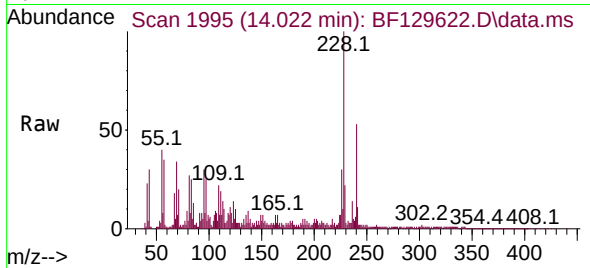
Tgt Ion:244 Resp: 779250
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 13.2 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 13.439 ng
RT: 14.022 min Scan# 1995
Delta R.T. 0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

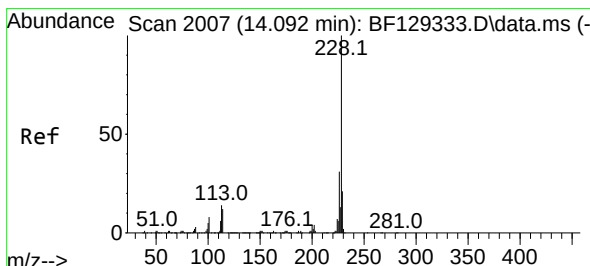
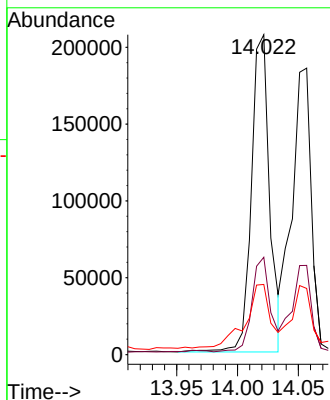
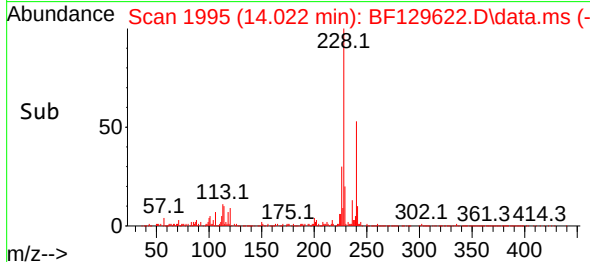
Instrument :
BNA_F
ClientSampleId :
COMP2-0804



Tgt Ion:228 Resp: 216036
Ion Ratio Lower Upper
228 100
226 30.4 22.1 33.1
229 21.9 15.8 23.8

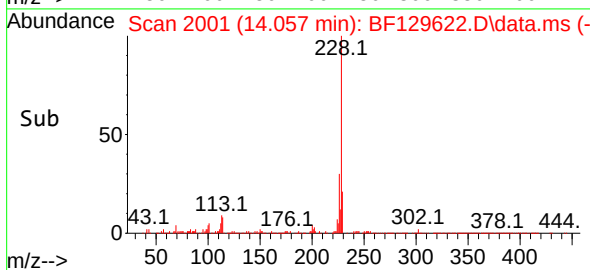
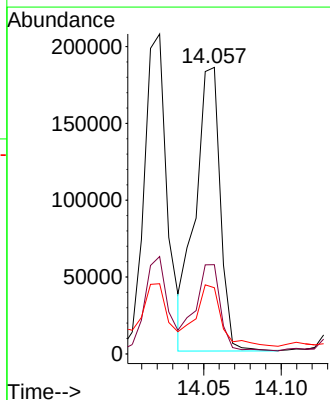
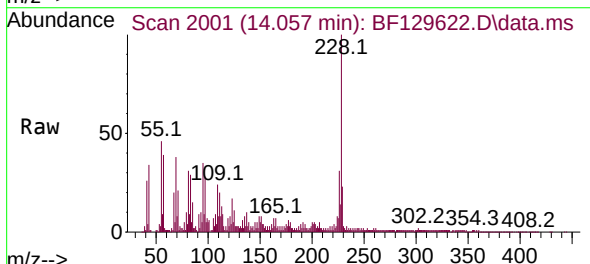
Manual Integrations
APPROVED

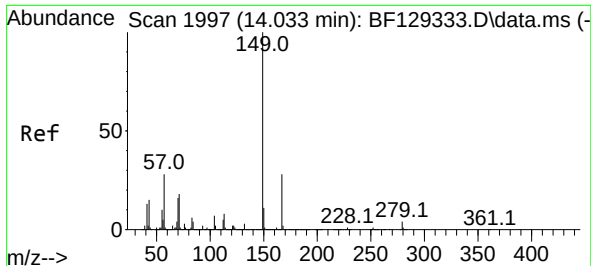
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#83
Chrysene
Concen: 13.652 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Tgt Ion:228 Resp: 206818
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 23.1 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 13.449 ng
RT: 13.992 min Scan# 1997
Delta R.T. 0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

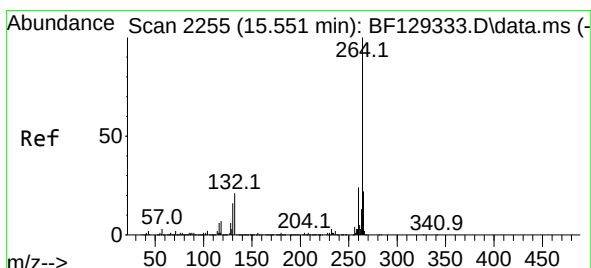
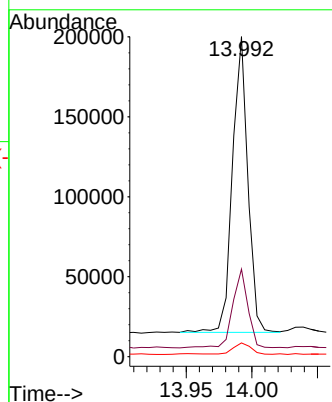
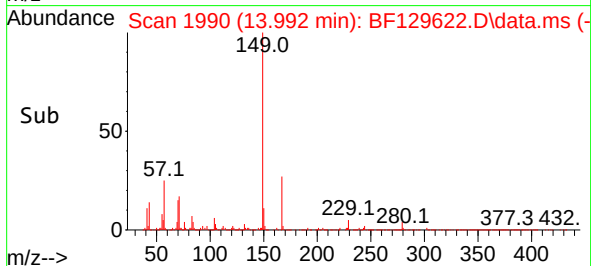
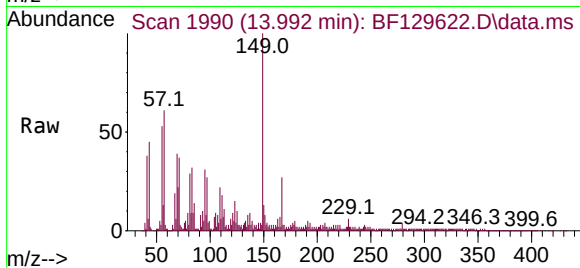
COMP2-0804

Tgt Ion:149 Resp: 15112
Ion Ratio Lower Upper
149 100
167 27.3 21.0 31.4
279 4.3 3.1 4.7

Manual Integrations

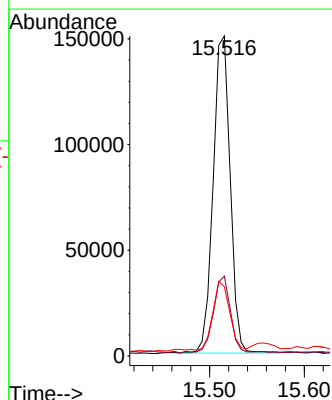
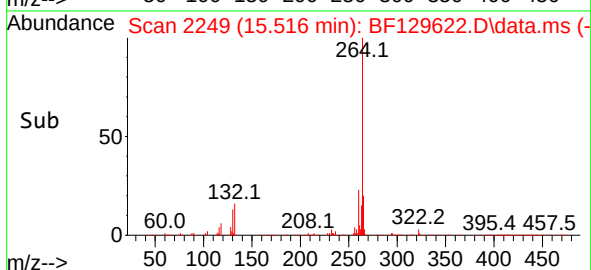
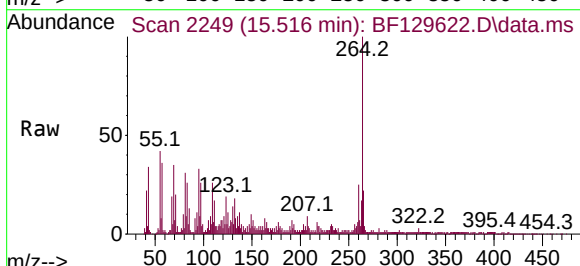
APPROVED

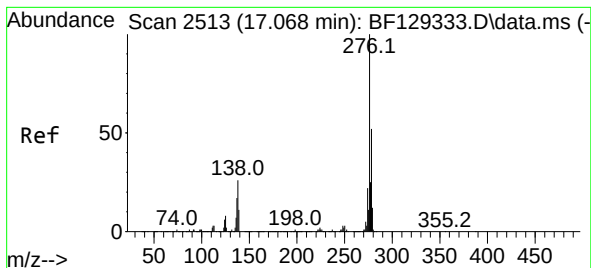
Reviewed By :Christian Giraldo 08/08/2022
Supervised By :Jagrut Upadhyay 08/08/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2249
Delta R.T. 0.012 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Tgt Ion:264 Resp: 188059
Ion Ratio Lower Upper
264 100
260 24.9 18.4 27.6
265 21.6 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.588 ng

RT: 16.998 min Scan# 2175

Delta R.T. 0.000 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

COMP2-0804

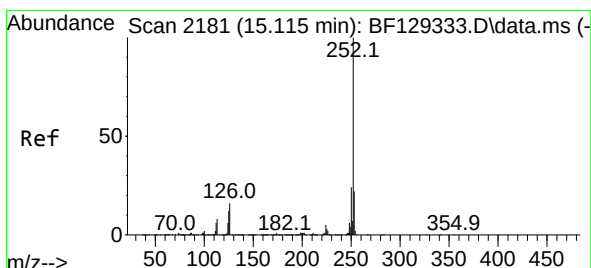
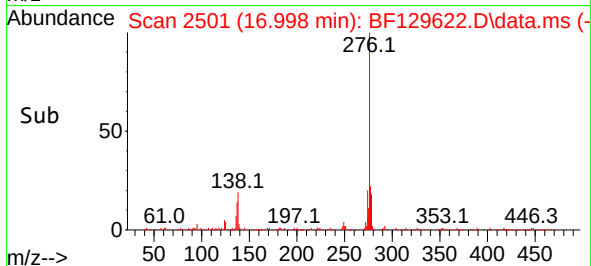
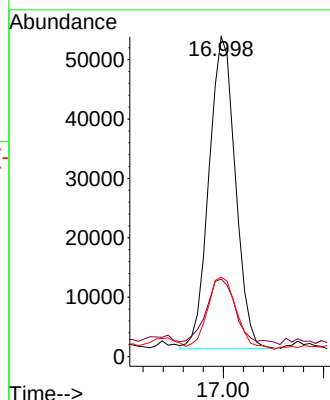
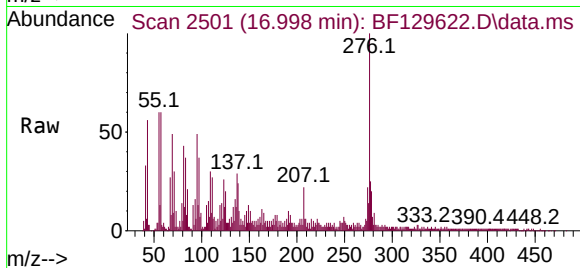
Tgt Ion:	276	Resp:	9609
Ion Ratio	Lower	Upper	
276	100		
138	23.9	21.1	31.7
277	25.4	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/08/2022

Supervised By :Jagrut Upadhyay 08/08/2022



#88

Benzo(b)fluoranthene

Concen: 20.509 ng m

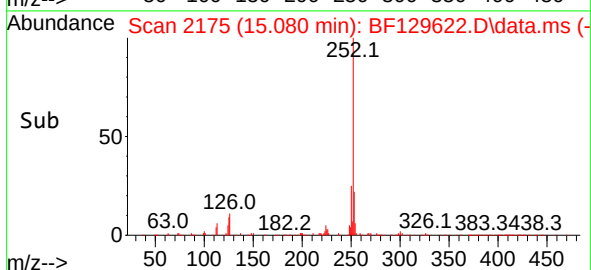
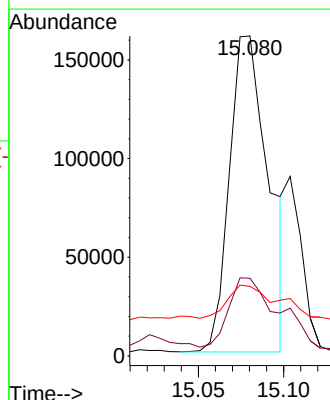
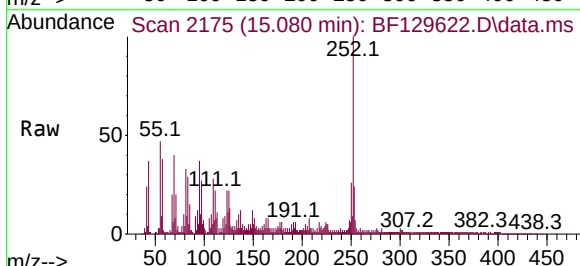
RT: 15.080 min Scan# 2175

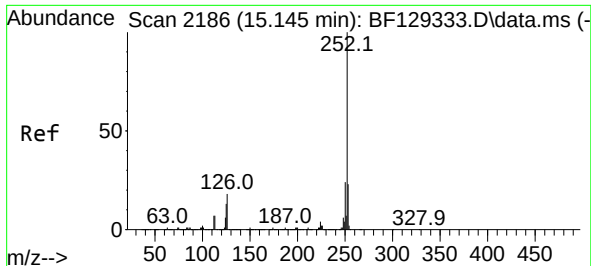
Delta R.T. 0.012 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Tgt Ion:	252	Resp:	255837
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.7	26.5
125	21.7	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 4.863 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

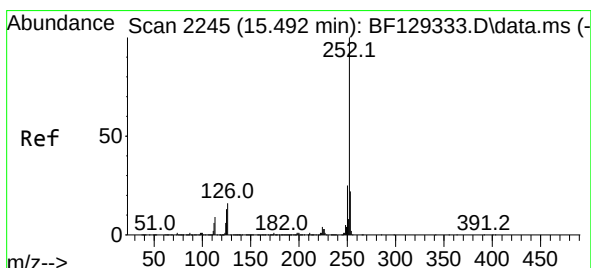
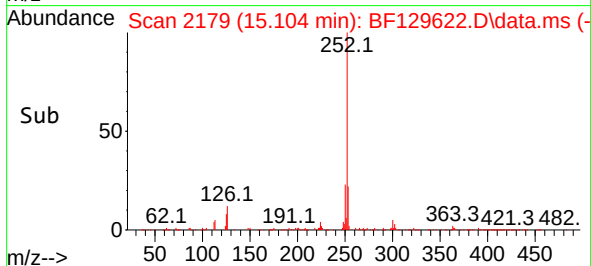
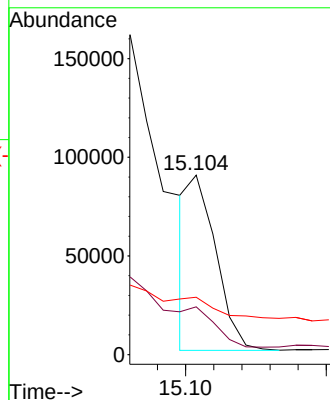
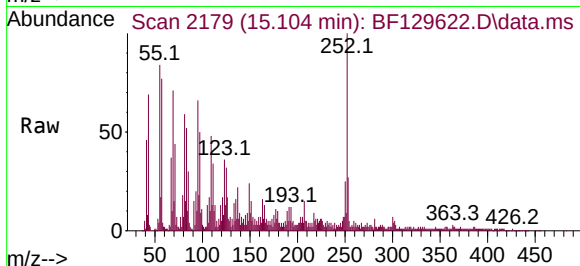
COMP2-0804

Tgt Ion:252 Resp: 59444
 Ion Ratio Lower Upper
 252 100
 253 26.6 17.8 26.6
 125 32.0 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: 14.608 ng

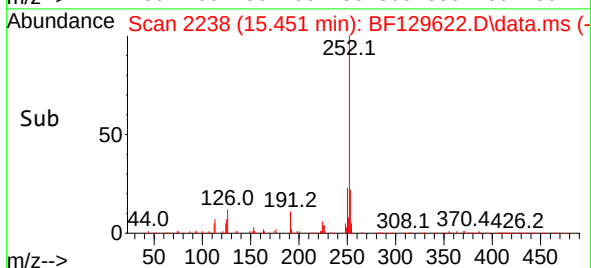
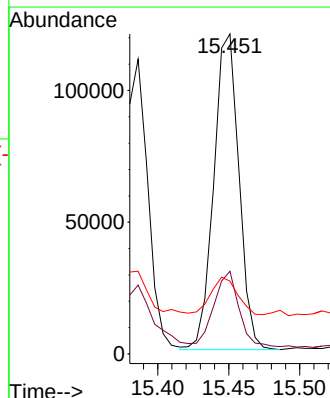
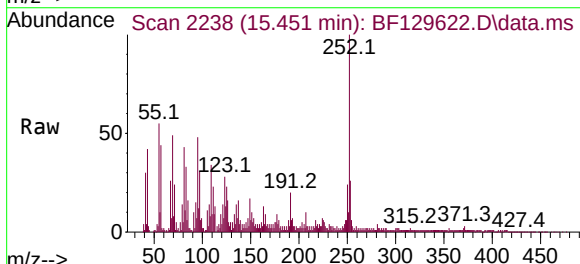
RT: 15.451 min Scan# 2238

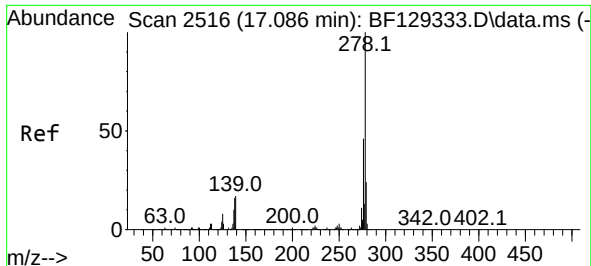
Delta R.T. 0.012 min

Lab File: BF129622.D

Acq: 06 Aug 2022 03:26

Tgt Ion:252 Resp: 147931
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.0 25.6#
 125 22.7 8.8 13.2#





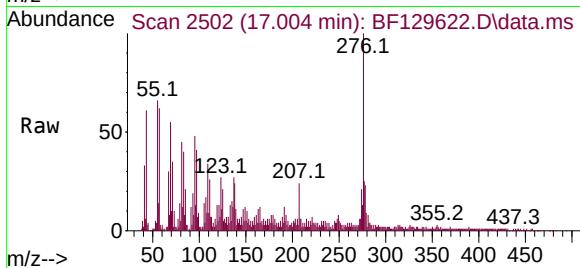
#91
Dibenzo(a,h)anthracene
Concen: 2.375 ng
RT: 17.004 min Scan# 2502
Delta R.T. -0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26

Instrument :

BNA_F

ClientSampleId :

COMP2-0804

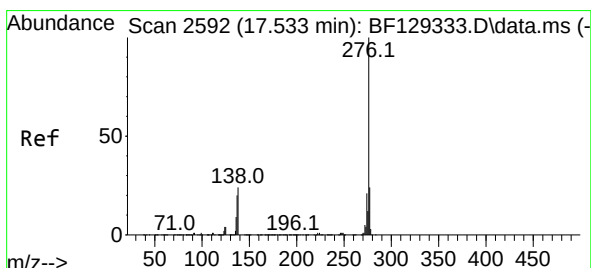
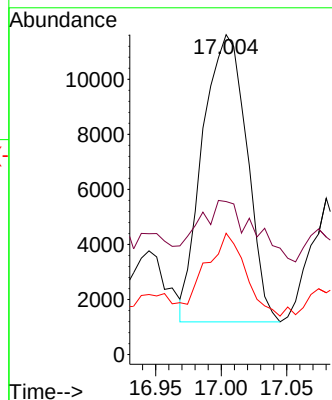
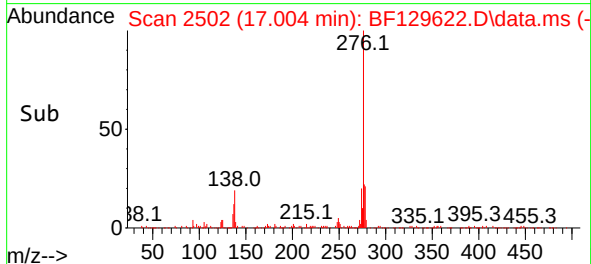


Tgt Ion: 278 Resp: 24475
Ion Ratio Lower Upper
278 100
139 47.8 12.8 19.2
279 37.9 18.6 28.0

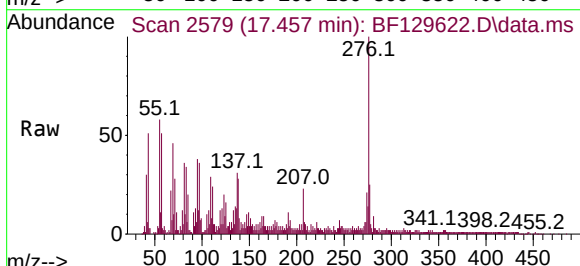
Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.246 ng
RT: 17.457 min Scan# 2579
Delta R.T. 0.006 min
Lab File: BF129622.D
Acq: 06 Aug 2022 03:26



Tgt Ion: 276 Resp: 97383
Ion Ratio Lower Upper
276 100
277 25.0 19.1 28.7
138 27.7 18.0 27.0

