

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131792.D
 Acq On : 22 Dec 2022 23:30
 Operator : CG\JU
 Sample : N6163-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-122022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 12/23/2022
 Supervised By : Jagrut Upadhyay 12/24/2022

Quant Time: Dec 23 03:37:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	82122	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	291610	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	148516	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	228753	20.000	ng	0.00
76) Chrysene-d12	14.051	240	157250	20.000	ng	0.00
86) Perylene-d12	15.545	264	130275	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	524396	107.526	ng	0.01
7) Phenol-d6	6.487	99	695181	105.905	ng	0.00
23) Nitrobenzene-d5	7.428	82	480156	66.844	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	138038	84.917	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	776566	73.247	ng	0.00
79) Terphenyl-d14	12.992	244	599517	59.419	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.422	178	120403	9.653	ng	97
72) Anthracene	11.475	178	27543	2.255	ng	98
75) Fluoranthene	12.616	202	238334	17.156	ng	98
78) Pyrene	12.845	202	209214	14.633	ng	99
81) Benzo(a)anthracene	14.039	228	96805	8.548	ng	94
83) Chrysene	14.074	228	84027	7.861	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	29963	3.424	ng	96
88) Benzo(b)fluoranthene	15.104	252	94158m	10.216	ng	
89) Benzo(k)fluoranthene	15.127	252	31974m	3.555	ng	
90) Benzo(a)pyrene	15.480	252	61820	8.468	ng	96
92) Benzo(g,h,i)perylene	17.498	276	28647	4.008	ng	96

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

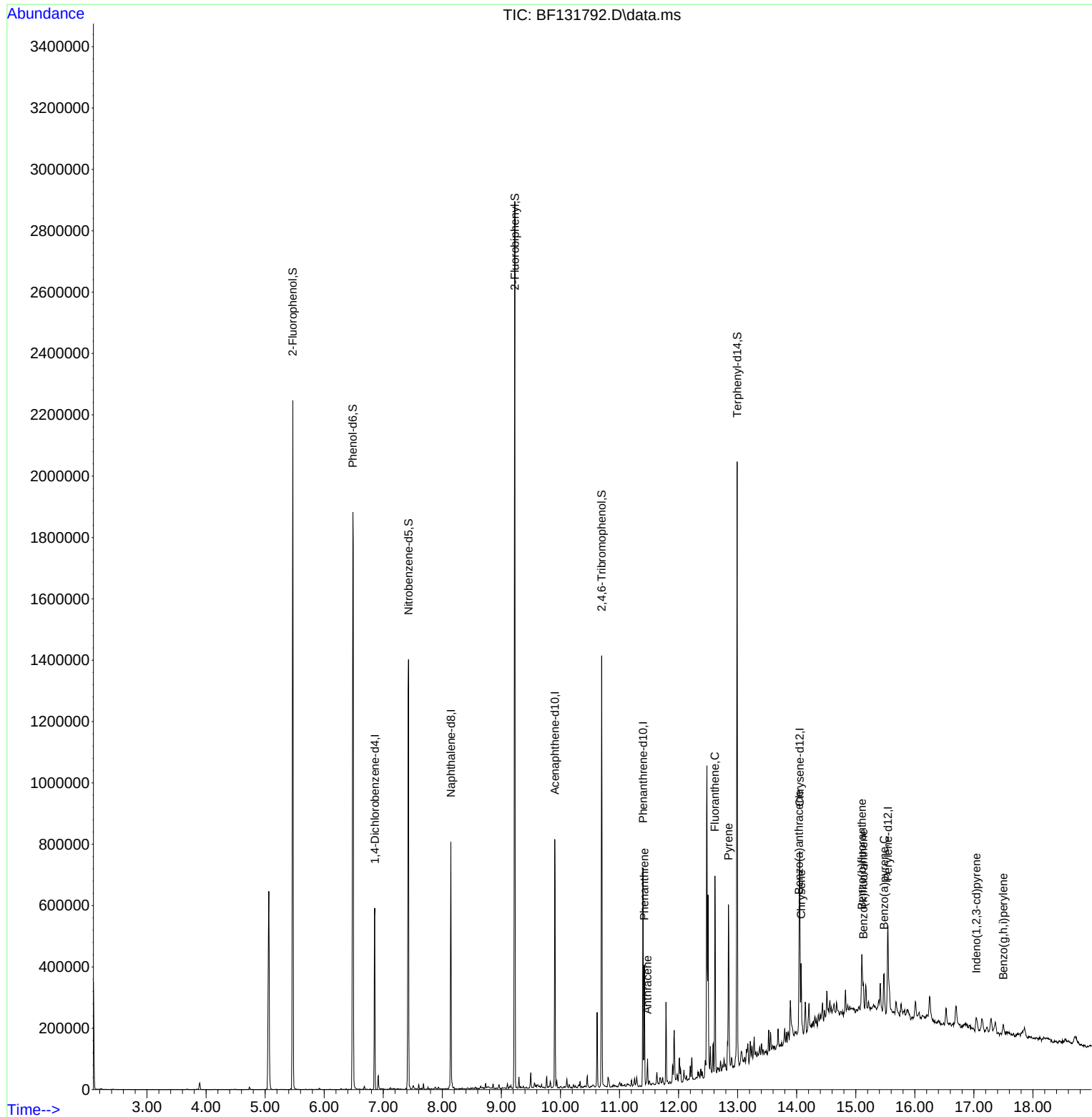
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
Data File : BF131792.D
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Operator : CG\JU
Sample : N6163-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

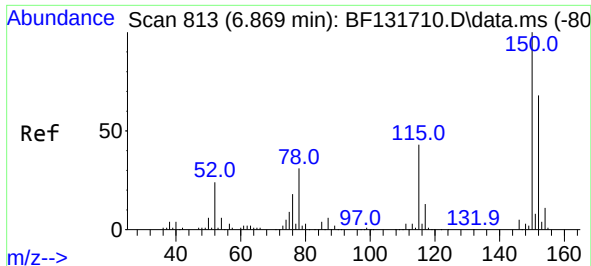
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

Quant Time: Dec 23 03:37:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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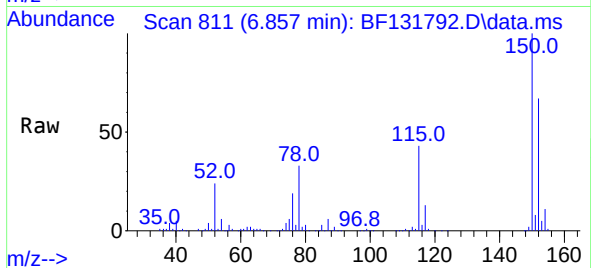
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Supervised By : Jagrut Upadhyay 12/24/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

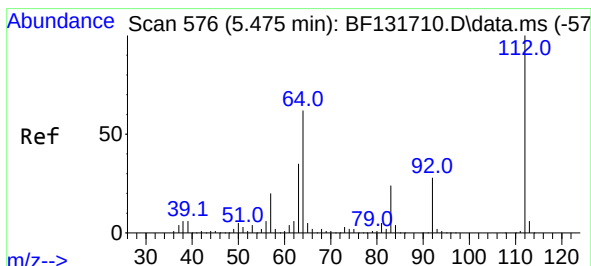
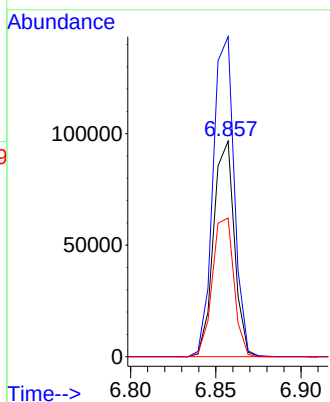
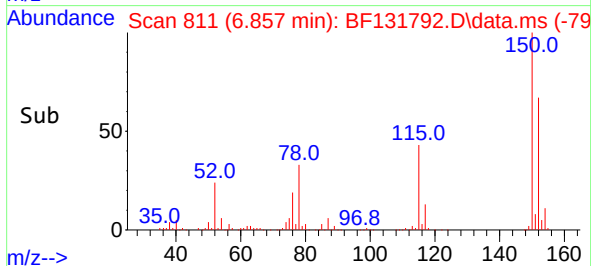
Instrument :
BNA_F
ClientSampleId :
TR-06-122022



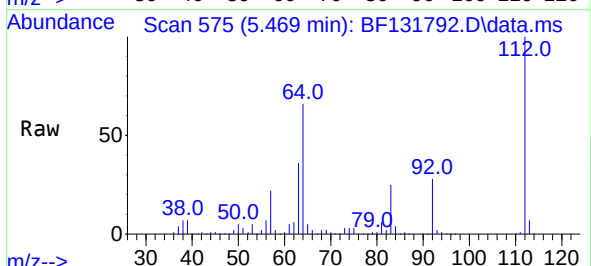
Tgt Ion:152 Resp: 8212
Ion Ratio Lower Upper
152 100
150 148.5 117.4 176.0
115 64.4 50.2 75.4

Manual Integrations
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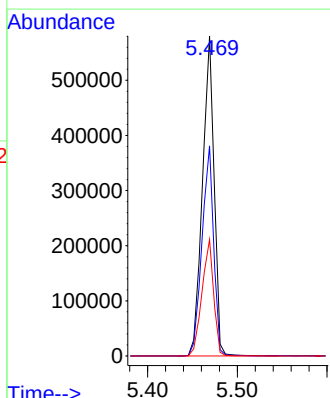
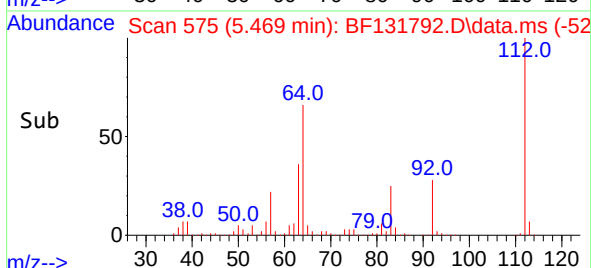
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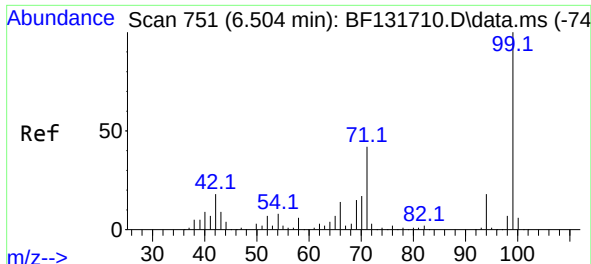


#5
2-Fluorophenol
Concen: 107.526 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30



Tgt Ion:112 Resp: 524396
Ion Ratio Lower Upper
112 100
64 65.6 49.5 74.3
63 36.4 28.2 42.2





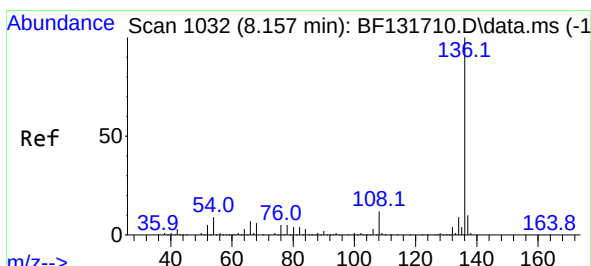
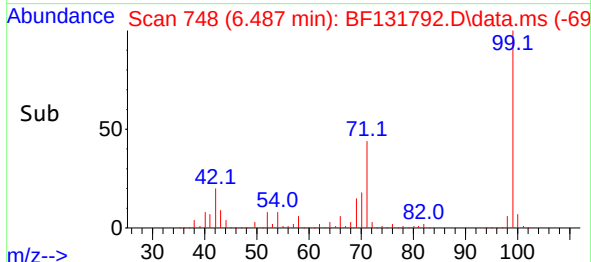
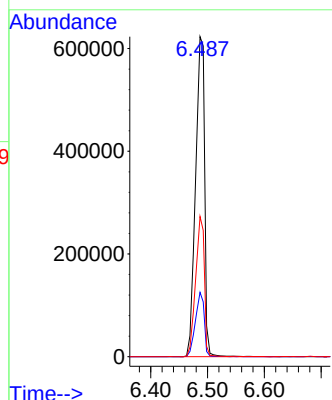
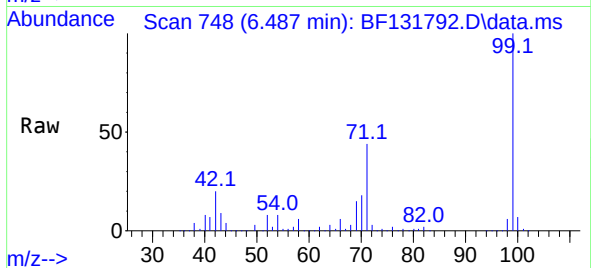
#7
Phenol-d6
Concen: 105.905 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :
BNA_F
ClientSampleId :
TR-06-122022

Tgt Ion: 99 Resp: 69518
Ion Ratio Lower Upper
99 100
42 20.1 14.8 22.2
71 43.8 33.8 50.6

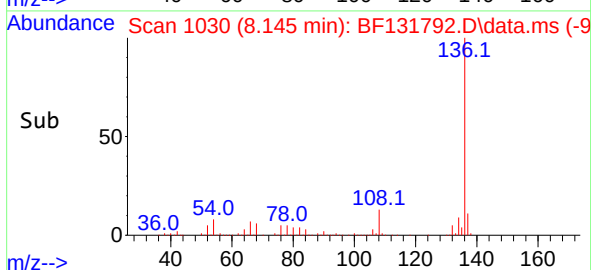
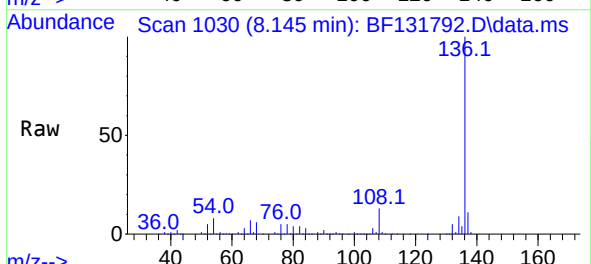
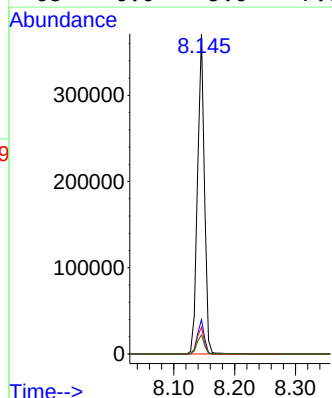
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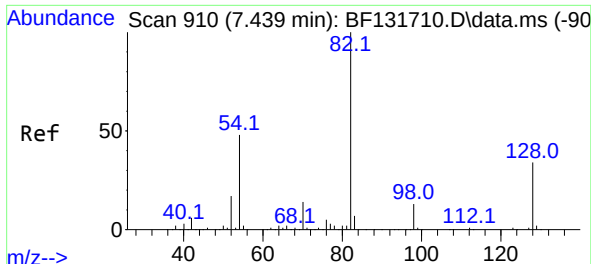
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Supervised By :Jagrut Upadhyay 12/24/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:136 Resp: 291610
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.3 7.2 10.8
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 66.844 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.000 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

Tgt Ion: 82 Resp: 480150

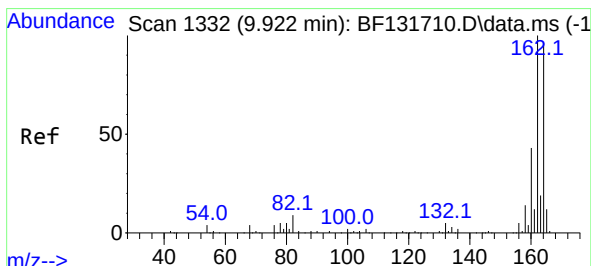
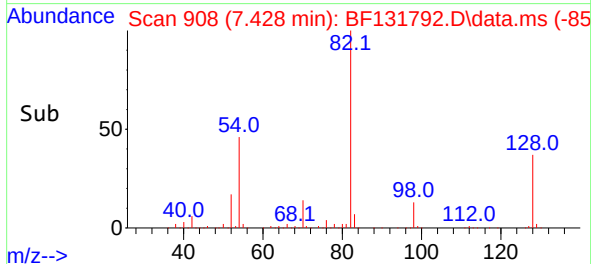
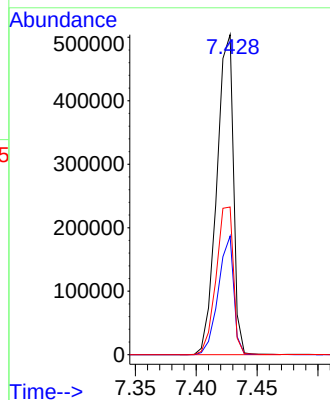
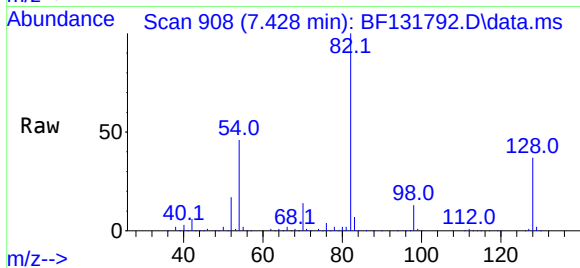
Ion	Ratio	Lower	Upper
82	100		
128	37.0	27.3	40.9
54	46.2	38.2	57.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1329

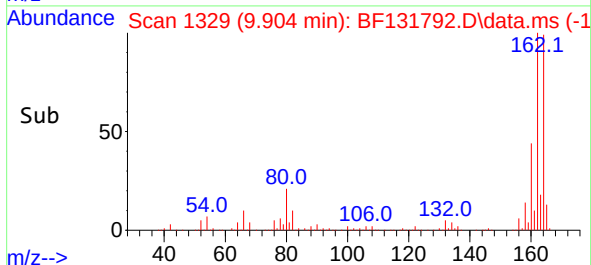
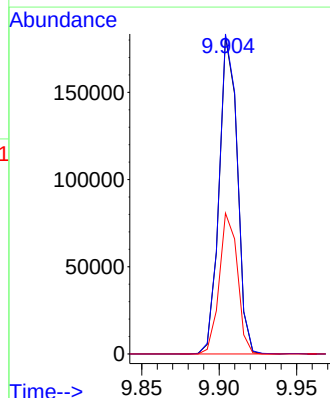
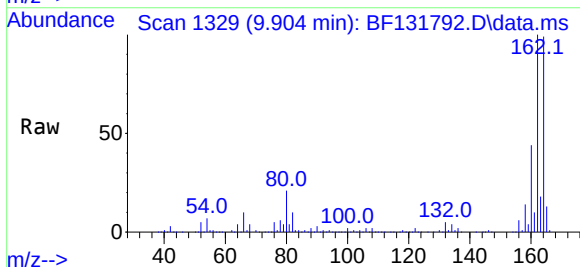
Delta R.T. -0.006 min

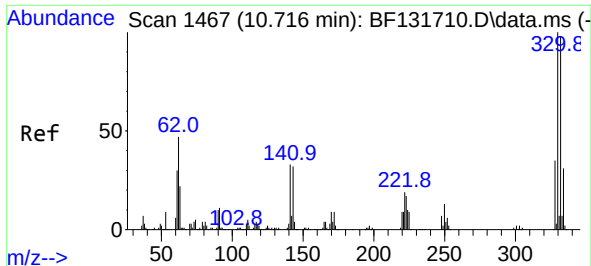
Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Tgt Ion:164 Resp: 148516

Ion	Ratio	Lower	Upper
164	100		
162	100.9	83.7	125.5
160	44.4	36.2	54.4





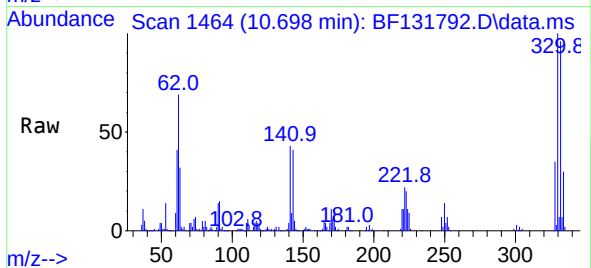
#42
2,4,6-Tribromophenol
Concen: 84.917 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

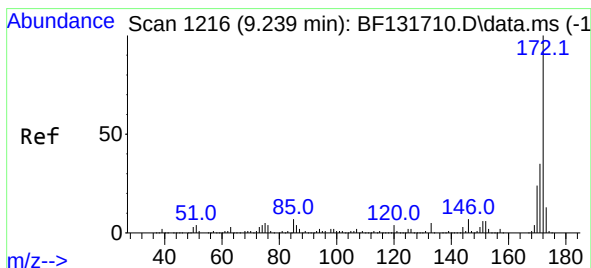
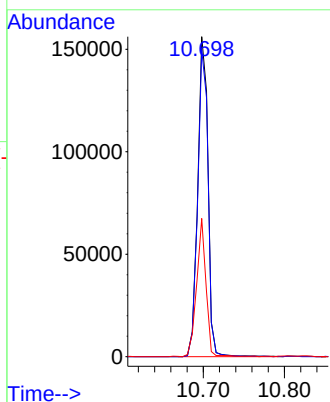
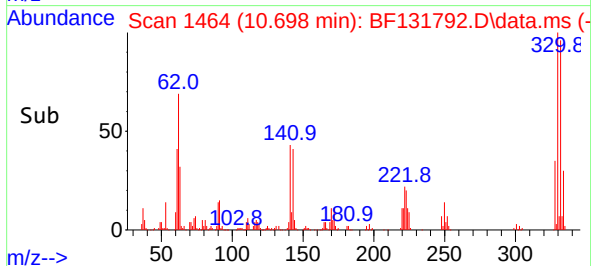


Tgt Ion:330 Resp: 138038
Ion Ratio Lower Upper
330 100
332 96.7 77.1 115.7
141 39.7 30.4 45.6

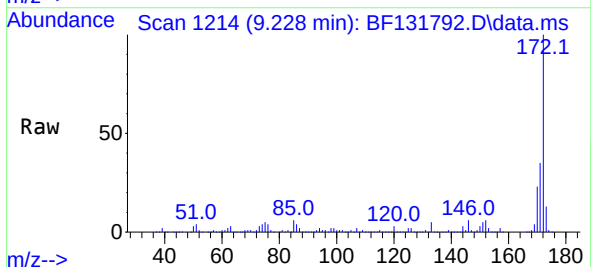
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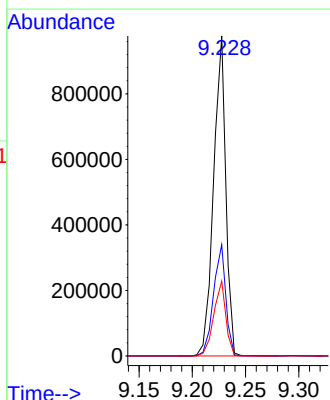
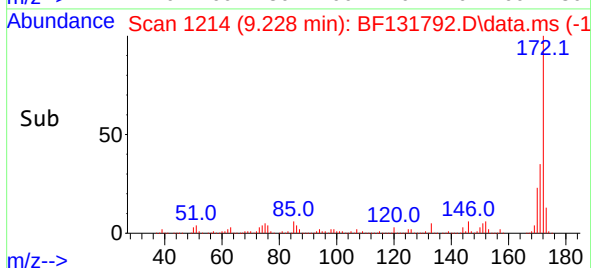
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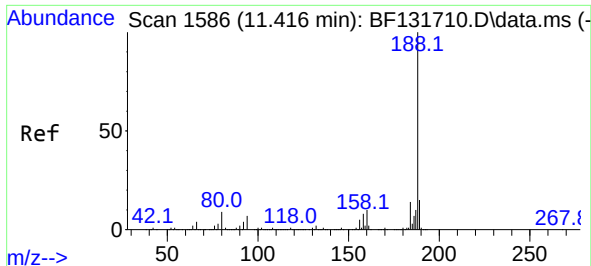


#45
2-Fluorobiphenyl
Concen: 73.247 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30



Tgt Ion:172 Resp: 776566
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

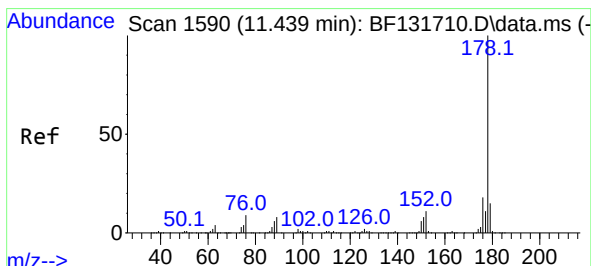
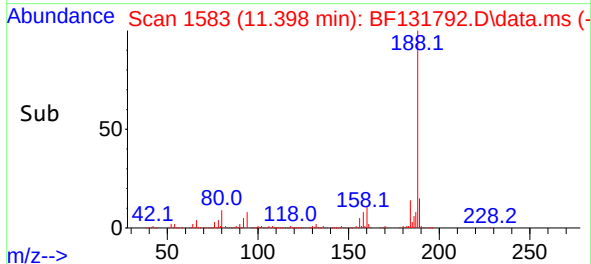
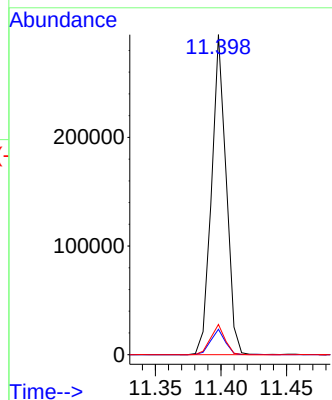
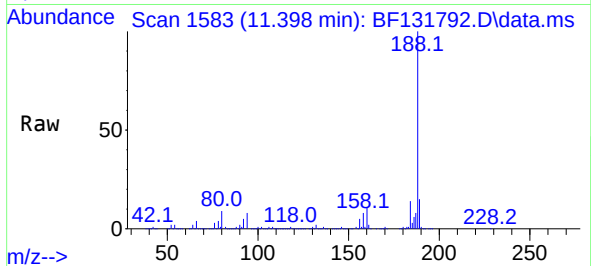
TR-06-122022

Tgt Ion:188 Resp: 22875
Ion Ratio Lower Upper
188 100
94 7.9 5.9 8.9
80 9.4 7.0 10.6

Manual Integrations

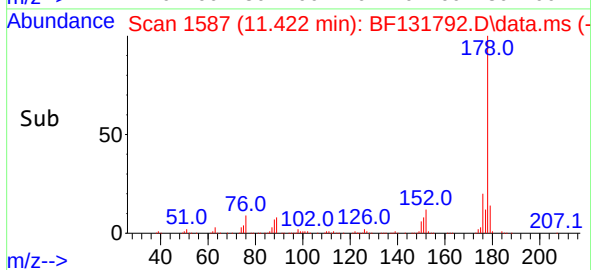
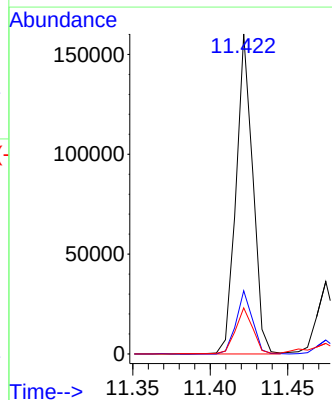
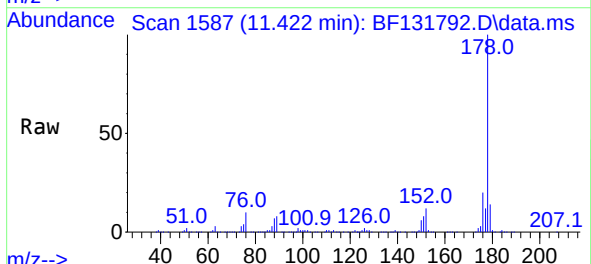
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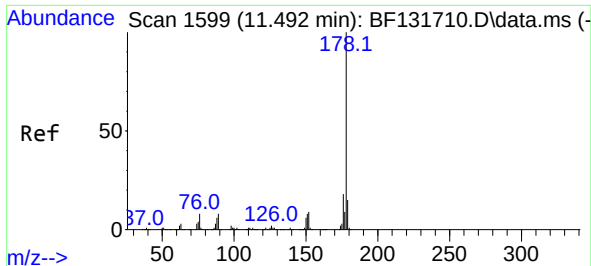
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Supervised By :Jagrut Upadhyay 12/24/2022



#71
Phenanthrene
Concen: 9.653 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:178 Resp: 120403
Ion Ratio Lower Upper
178 100
176 19.8 14.8 22.2
179 14.4 12.2 18.4





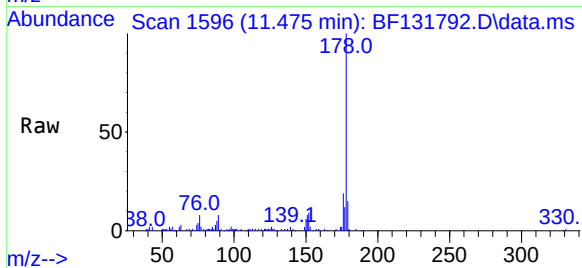
#72
 Anthracene
 Concen: 2.255 ng
 RT: 11.475 min Scan# 1149
 Delta R.T. -0.006 min
 Lab File: BF131792.D
 Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

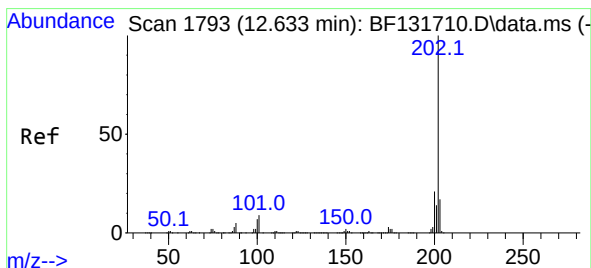
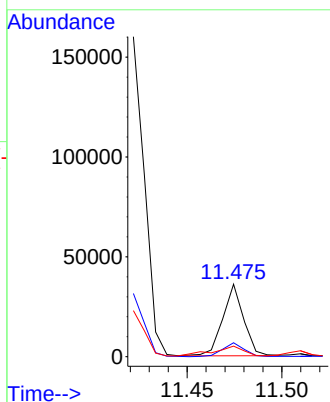
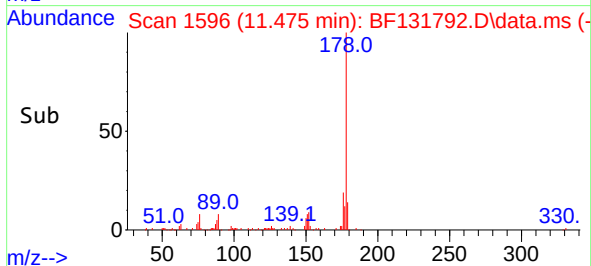


Tgt Ion:178 Resp: 2754
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 21.8
 179 14.5 12.2 18.4

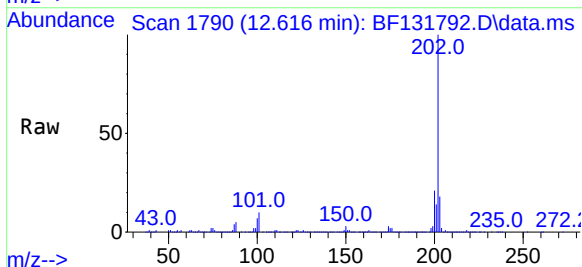
Manual Integrations

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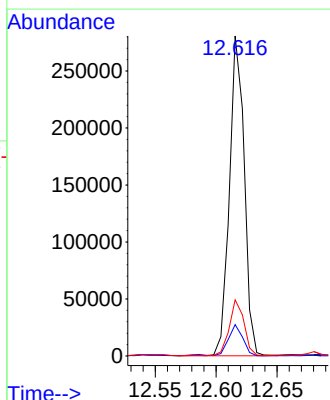
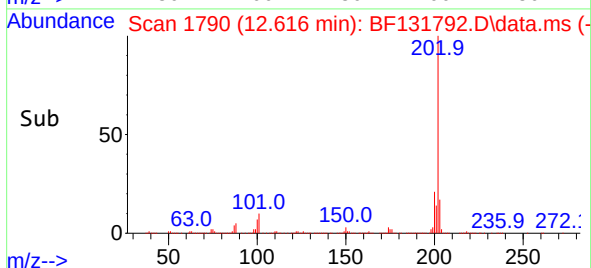
Reviewed By :Christian Giraldo 12/23/2022
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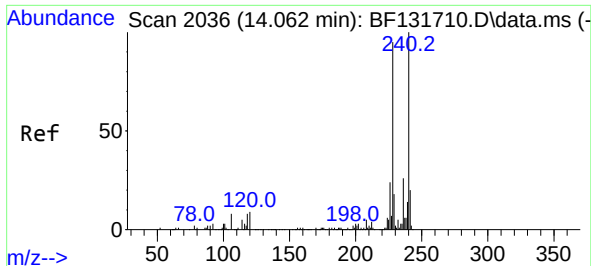


#75
 Fluoranthene
 Concen: 17.156 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. -0.000 min
 Lab File: BF131792.D
 Acq: 22 Dec 2022 23:30



Tgt Ion:202 Resp: 238334
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 28.8
 203 17.5 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

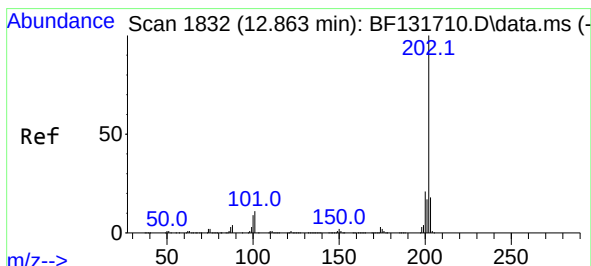
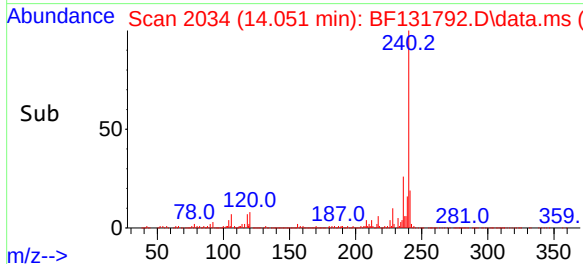
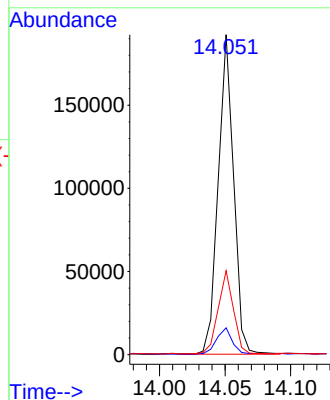
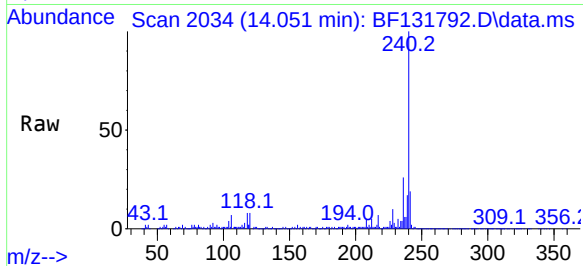
TR-06-122022

Tgt Ion:240 Resp: 157250
Ion Ratio Lower Upper
240 100
120 8.4 7.6 11.4
236 26.3 21.2 31.8

Manual Integrations

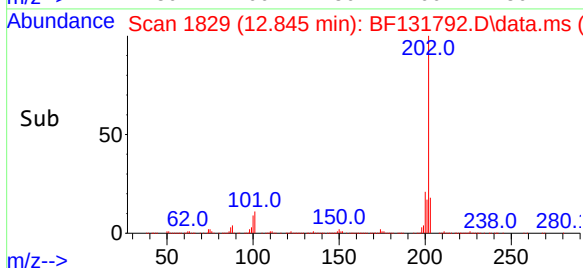
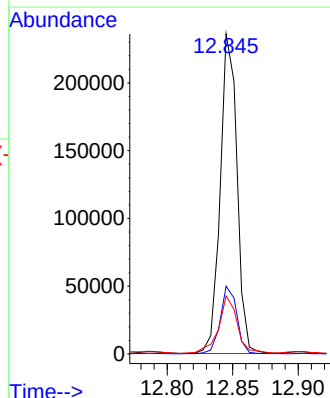
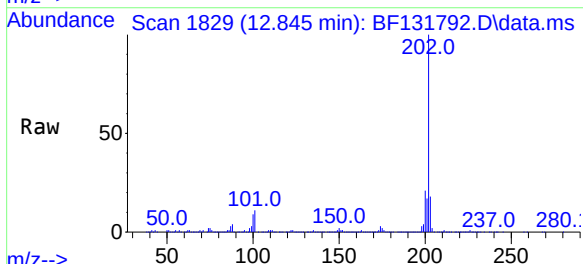
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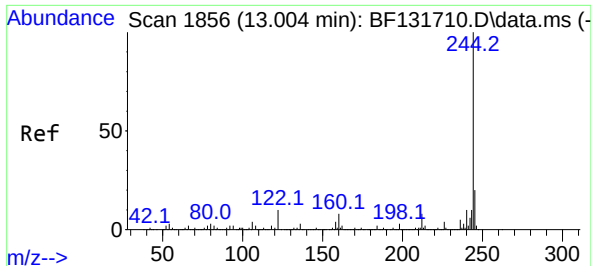
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#78
Pyrene
Concen: 14.633 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:202 Resp: 209214
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.1 14.1 21.1





#79
 Terphenyl-d14
 Concen: 59.419 ng
 RT: 12.992 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF131792.D
 Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

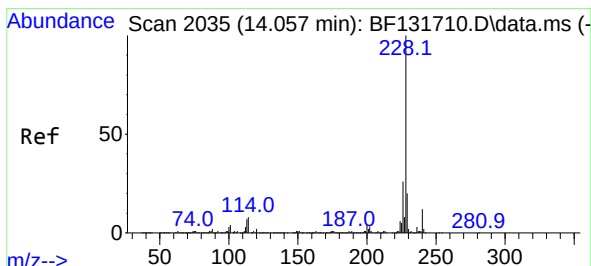
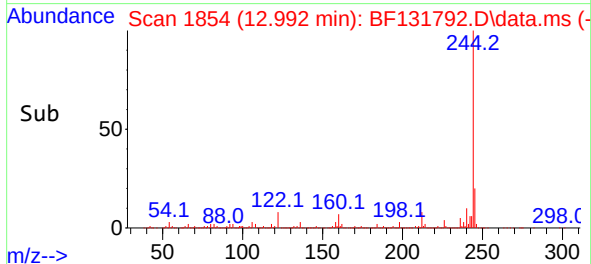
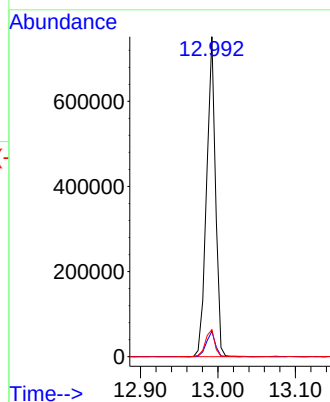
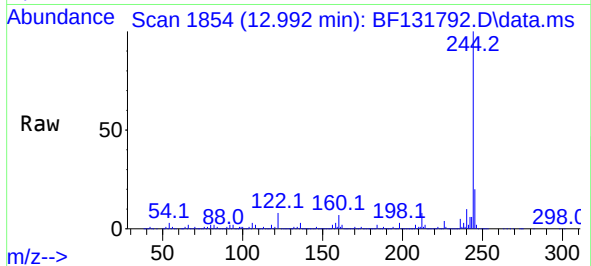
TR-06-122022

Tgt Ion:244 Resp: 59951
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 8.5 7.7 11.5

Manual Integrations

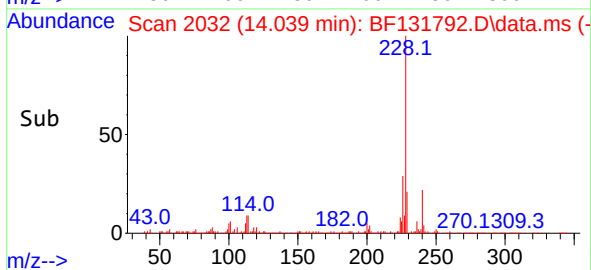
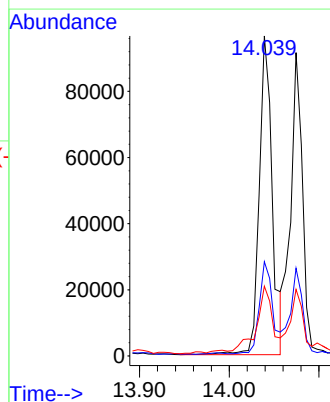
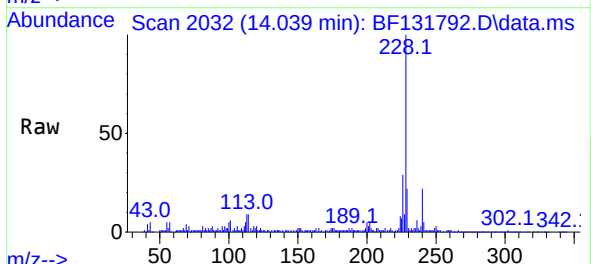
APPROVED

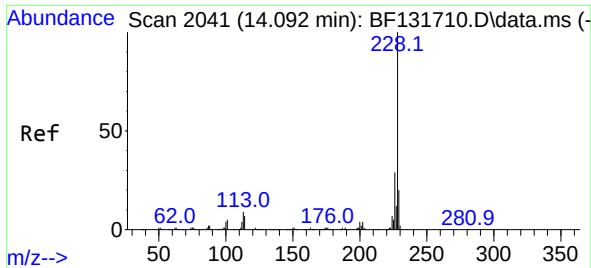
Reviewed By :Christian Giraldo 12/23/2022
 Supervised By :Jagrut Upadhyay 12/24/2022



#81
 Benzo(a)anthracene
 Concen: 8.548 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF131792.D
 Acq: 22 Dec 2022 23:30

Tgt Ion:228 Resp: 96805
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.0 31.4
 229 21.8 15.8 23.8





#83
Chrysene
Concen: 7.861 ng
RT: 14.074 min Scan# 2041
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

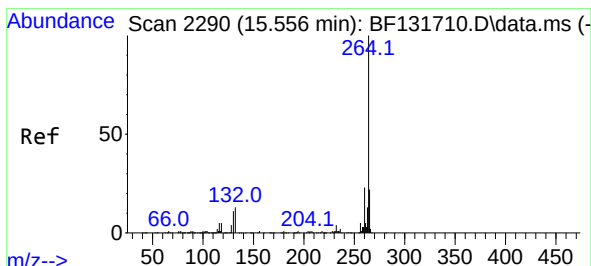
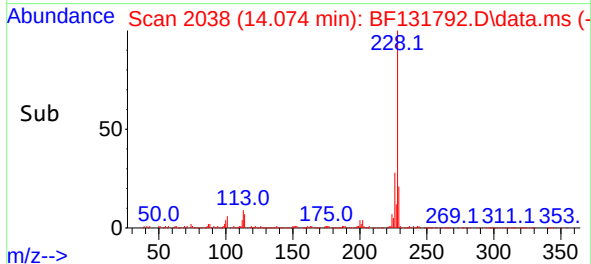
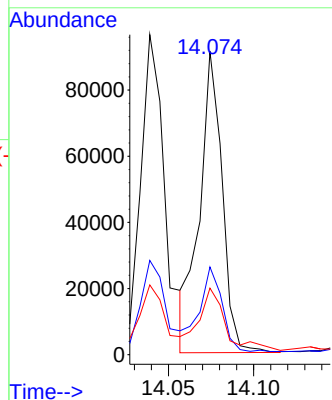
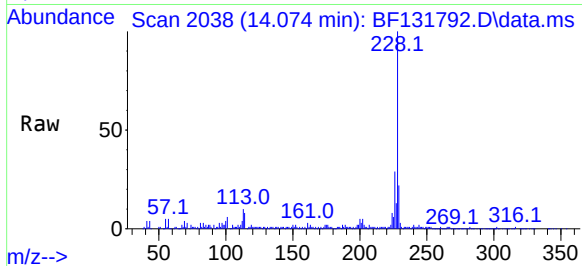
TR-06-122022

Tgt Ion:228 Resp: 8402
Ion Ratio Lower Upper
228 100
226 28.9 23.5 35.3
229 21.9 15.6 23.4

Manual Integrations

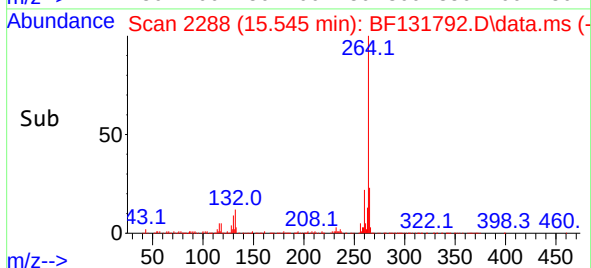
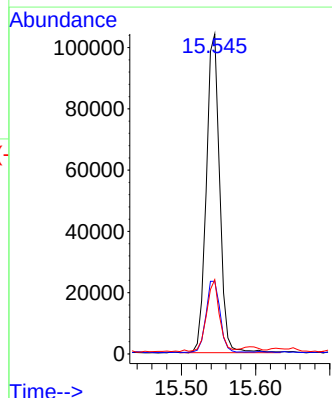
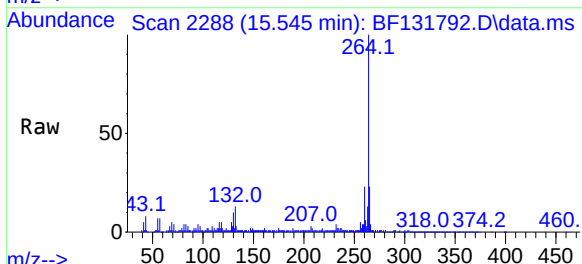
APPROVED

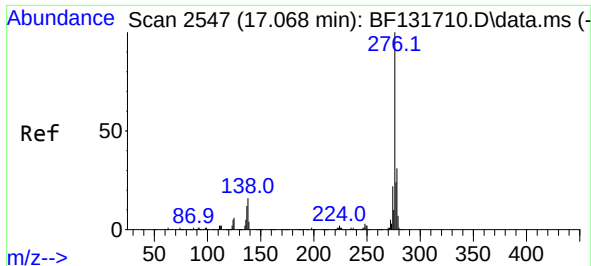
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. 0.012 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:264 Resp: 130275
Ion Ratio Lower Upper
264 100
260 22.7 18.6 28.0
265 23.2 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.424 ng
RT: 17.045 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

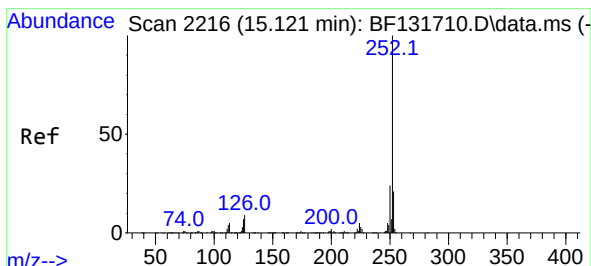
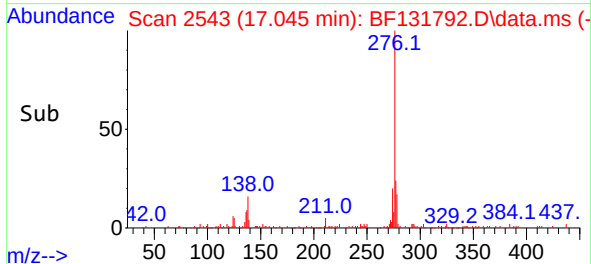
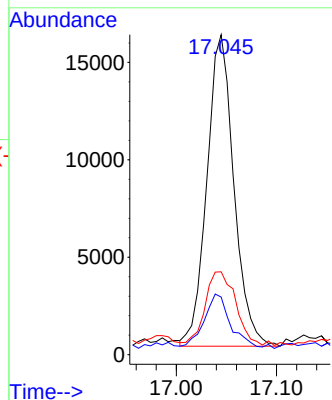
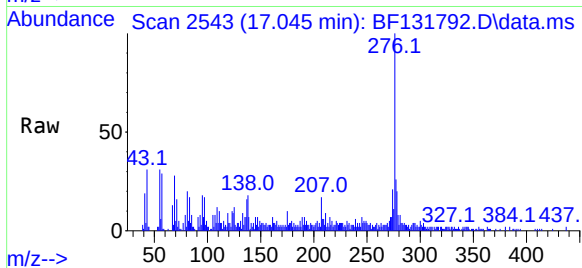
TR-06-122022

Tgt Ion:276 Resp: 2996
Ion Ratio Lower Upper
276 100
138 16.2 14.4 21.6
277 26.5 19.8 29.8

Manual Integrations

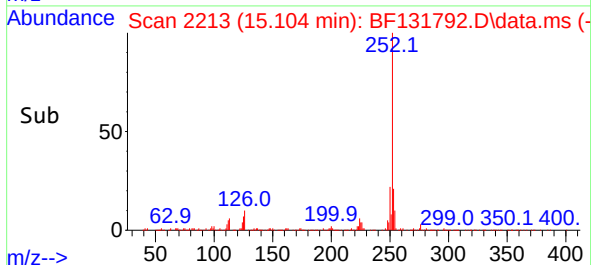
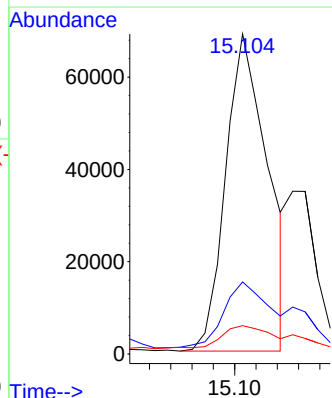
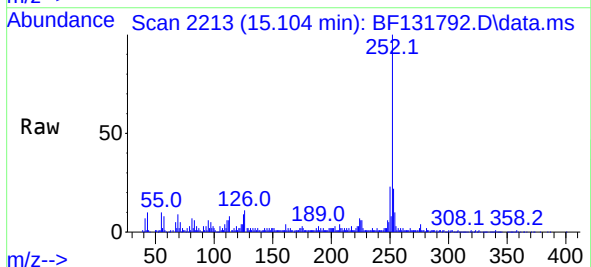
APPROVED

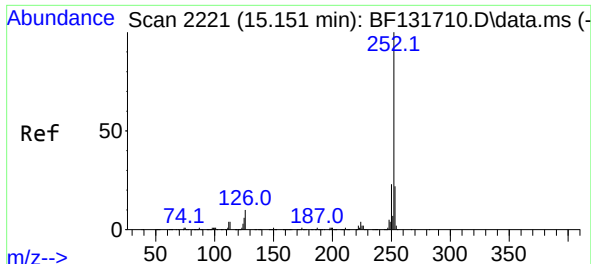
Reviewed By :Christian Giraldo 12/23/2022
Supervised By :Jagrut Upadhyay 12/24/2022



#88
Benzo(b)fluoranthene
Concen: 10.216 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:252 Resp: 94158
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 8.8 5.5 8.3#





#89

Benzo(k)fluoranthene

Concen: 3.555 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

Tgt Ion:252 Resp: 31974

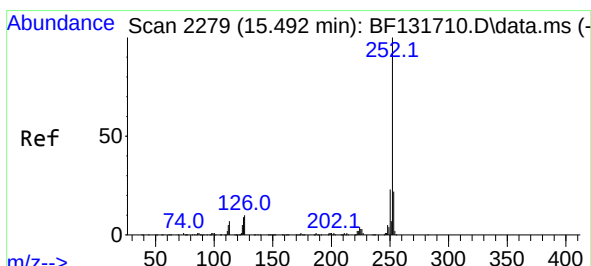
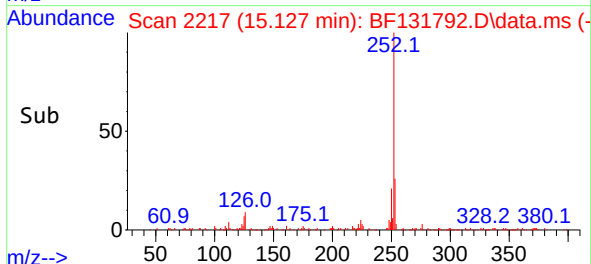
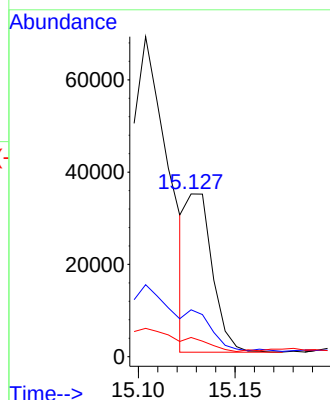
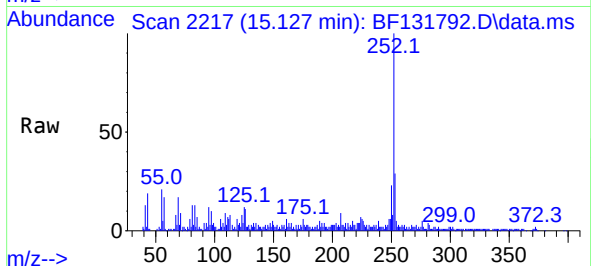
Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.8	26.8
125	11.8	5.2	7.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/23/2022

Supervised By :Jagrut Upadhyay 12/24/2022



#90

Benzo(a)pyrene

Concen: 8.468 ng

RT: 15.480 min Scan# 2277

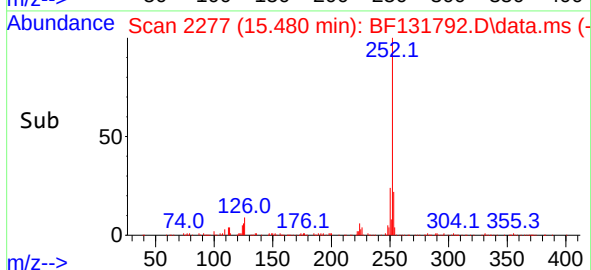
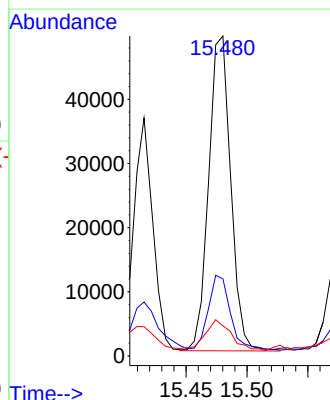
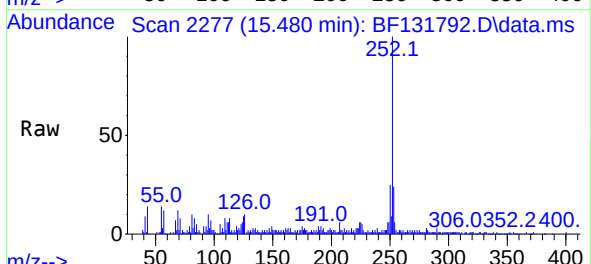
Delta R.T. 0.006 min

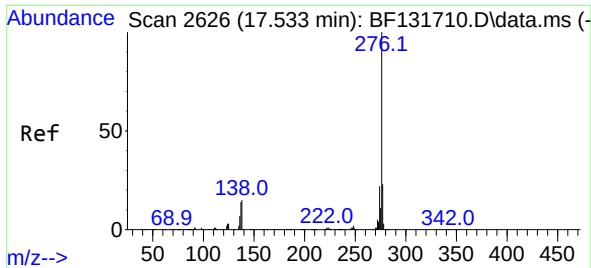
Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Tgt Ion:252 Resp: 61820

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	9.4	7.0	10.4





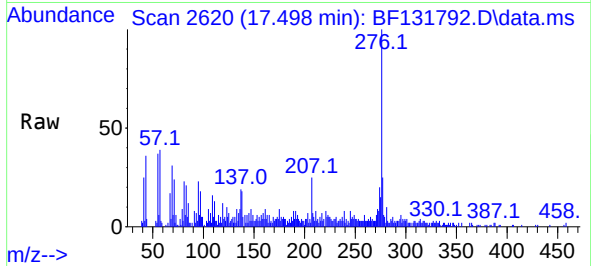
#92
Benzo(g,h,i)perylene
Concen: 4.008 ng
RT: 17.498 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022



Tgt Ion: 276 Resp: 2864
Ion Ratio Lower Upper
276 100
277 24.5 18.3 27.5
138 17.8 12.3 18.5

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 12/23/2022
Supervised By : Jagrut Upadhyay 12/24/2022

