

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
 Data File : BF128862.D
 Acq On : 17 Jun 2022 19:10
 Operator : CG\JU
 Sample : N3383-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-02-(15-16)

Quant Time: Jun 18 05:07:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 14 14:53:53 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 06/20/2022
 Supervised By : Jagrut Upadhyay 06/20/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	84189	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	264175	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	123003	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	206415	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	171239	20.000	ng	# 0.00
86) Perylene-d12	15.415	264	116281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	529992	100.273	ng	0.00
7) Phenol-d6	6.439	99	669681	103.797	ng	0.00
23) Nitrobenzene-d5	7.345	82	428482	75.516	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	125041	86.037	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	667819	76.054	ng	0.00
79) Terphenyl-d14	12.898	244	663478	67.326	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	241272	23.304	ng	98
72) Anthracene	11.386	178	51307	5.007	ng	99
75) Fluoranthene	12.527	202	303935	28.084	ng	96
78) Pyrene	12.757	202	340381	26.717	ng	99
81) Benzo(a)anthracene	13.945	228	157409	14.747	ng	98
83) Chrysene	13.980	228	135725	13.337	ng	98
87) Indeno(1,2,3-cd)pyrene	16.856	276	42399	6.050	ng	# 89
88) Benzo(b)fluoranthene	14.992	252	116093m	15.624	ng	
89) Benzo(k)fluoranthene	15.015	252	36396m	5.207	ng	
90) Benzo(a)pyrene	15.351	252	79592	13.629	ng	95
92) Benzo(g,h,i)perylene	17.298	276	42377	7.355	ng	# 92

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

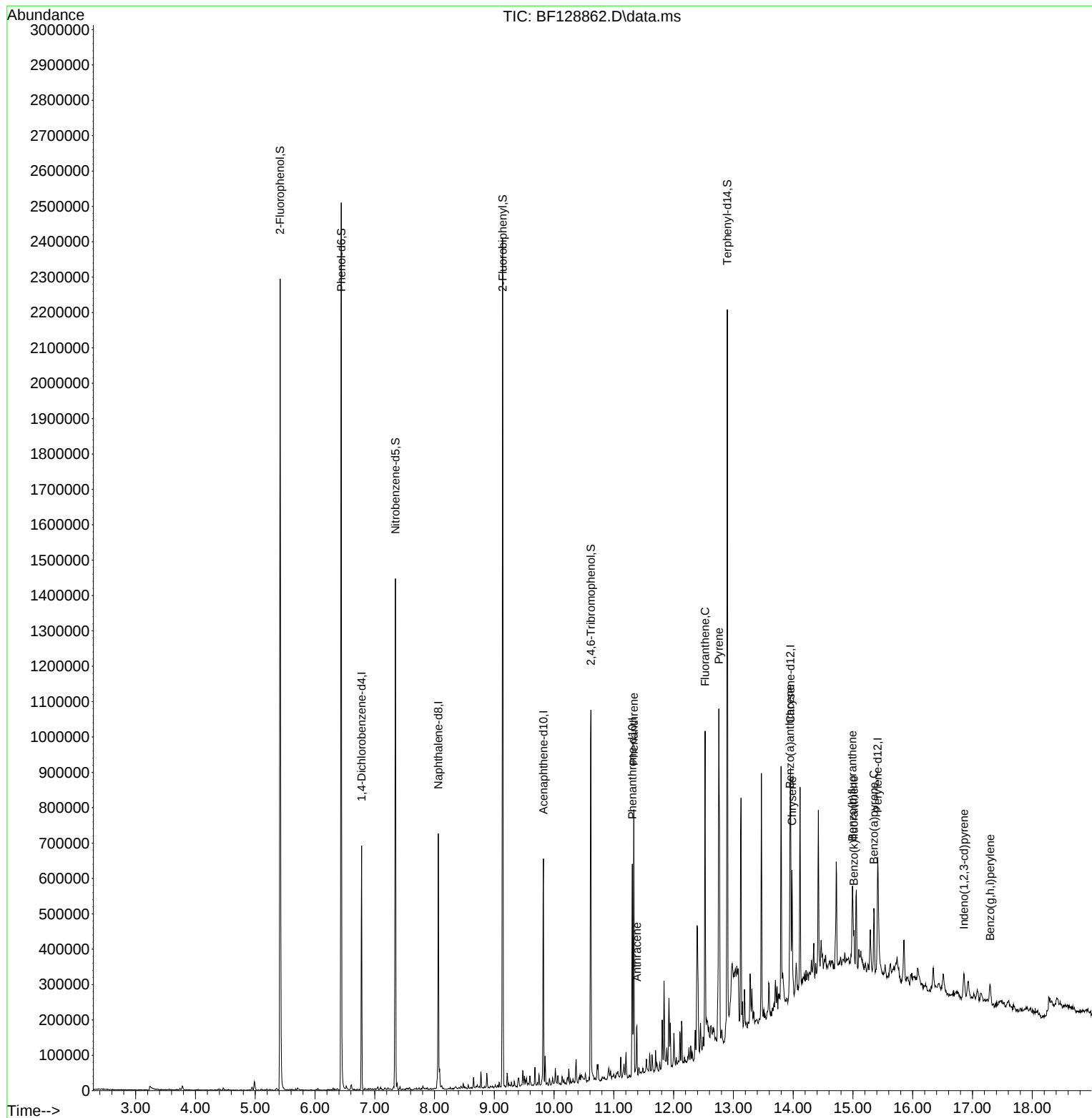
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061722\
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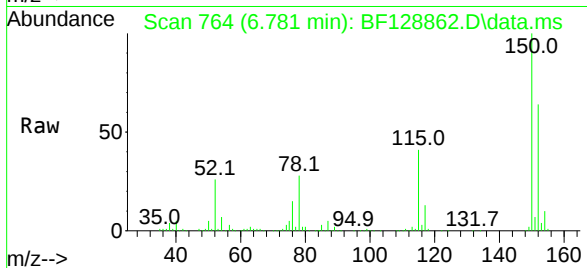
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 772
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

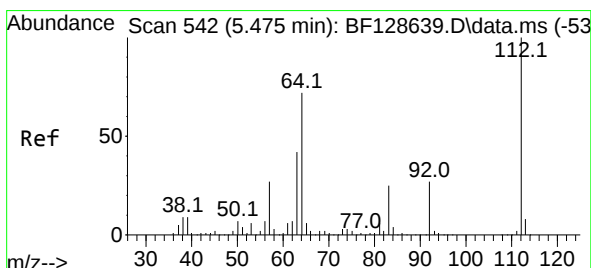
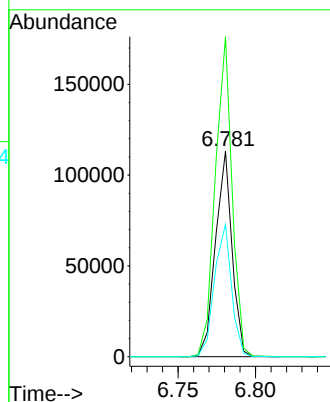
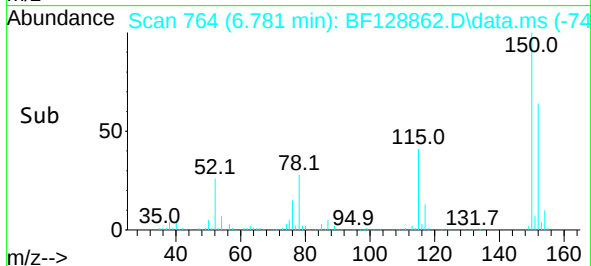


Tgt Ion:152 Resp: 84189
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 64.4 49.9 74.9

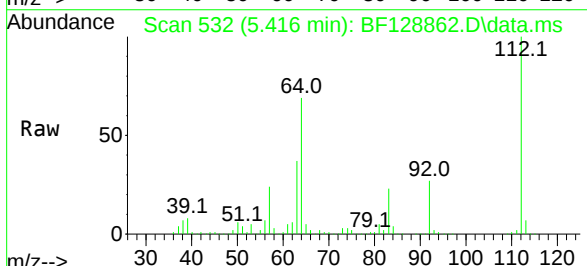
Manual Integrations

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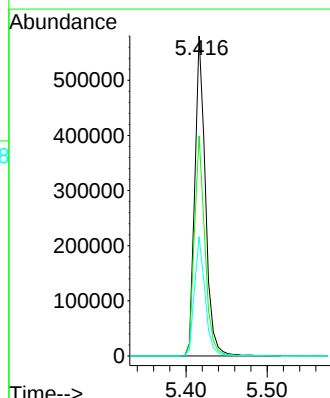
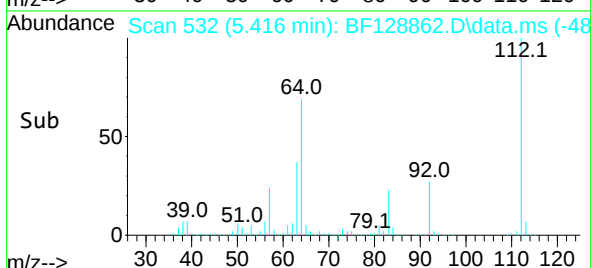
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#5
2-Fluorophenol
Concen: 100.273 ng
RT: 5.416 min Scan# 532
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10



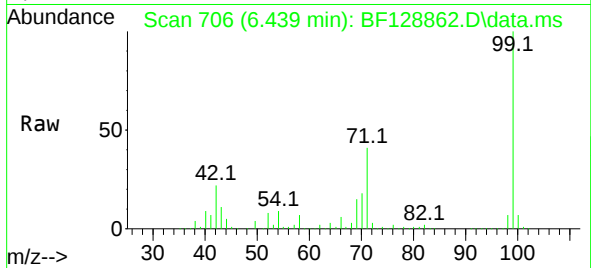
Tgt Ion:112 Resp: 529992
Ion Ratio Lower Upper
112 100
64 68.7 53.3 79.9
63 37.2 28.0 42.0





#7
Phenol-d6
Concen: 103.797 ng
RT: 6.439 min Scan# 706
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

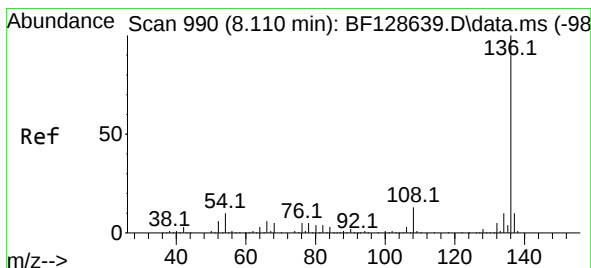
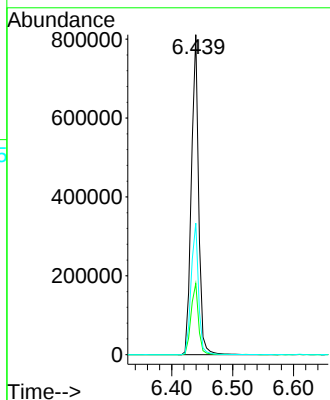
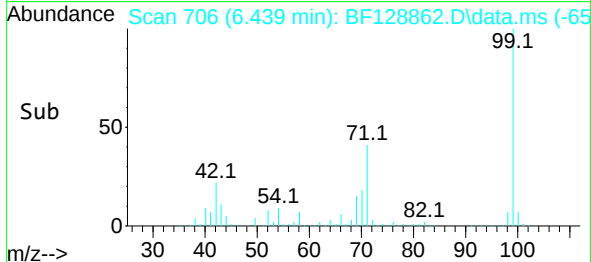
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)



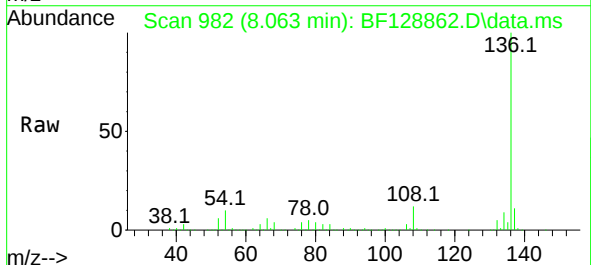
Tgt Ion: 99 Resp: 66968
Ion Ratio Lower Upper
99 100
42 22.3 17.3 25.9
71 41.1 28.9 43.3

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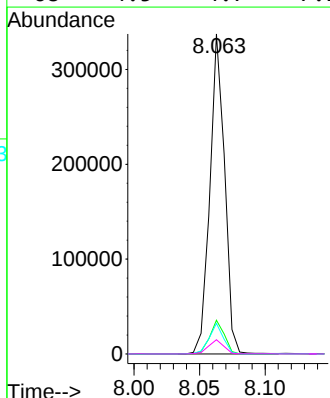
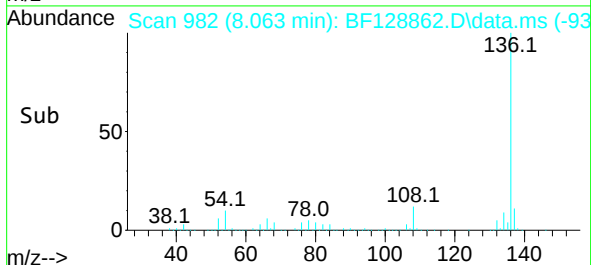
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10



Tgt Ion:136 Resp: 264175
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.6 7.5 11.3
68 4.5 4.7 7.1#





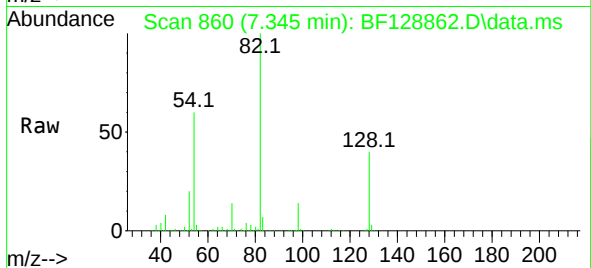
#23
Nitrobenzene-d5
Concen: 75.516 ng
RT: 7.345 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

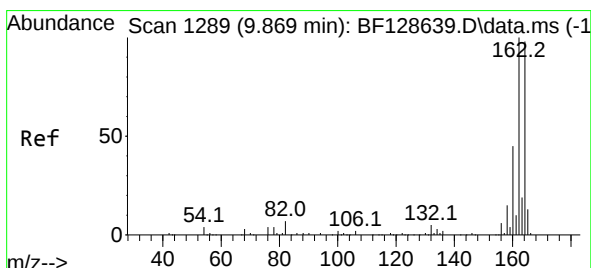
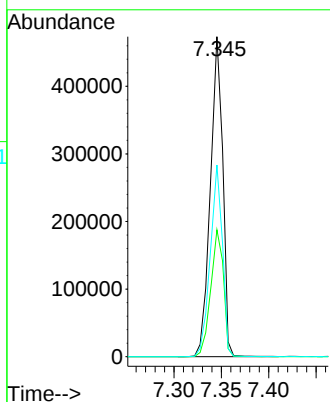
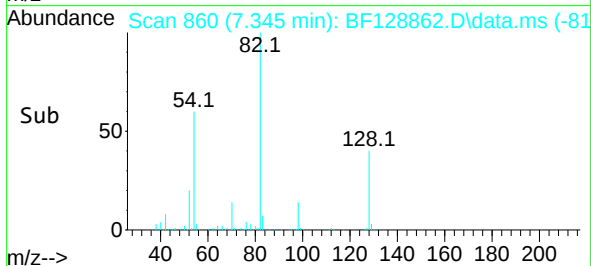
RB-02-(15-16)



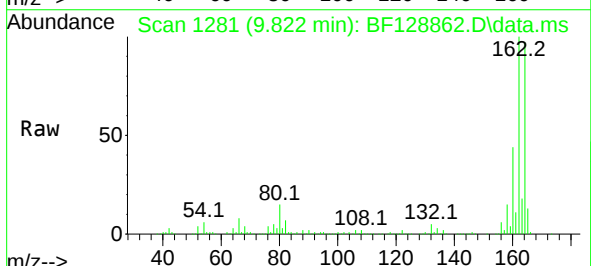
Tgt Ion: 82 Resp: 42848
Ion Ratio Lower Upper
82 100
128 39.6 34.0 51.0
54 59.9 46.9 70.3

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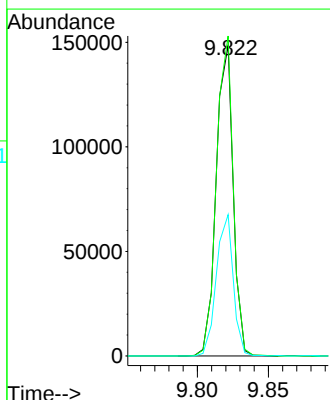
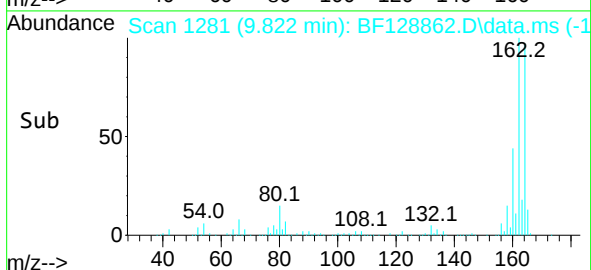
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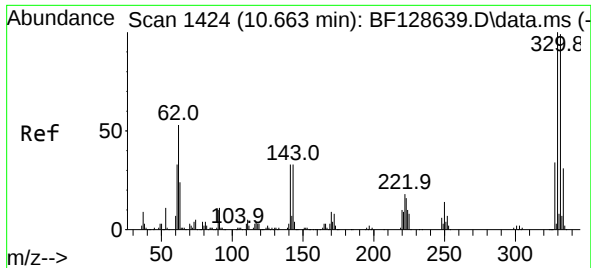


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1281
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10



Tgt Ion:164 Resp: 123003
Ion Ratio Lower Upper
164 100
162 103.0 79.5 119.3
160 45.5 34.2 51.4





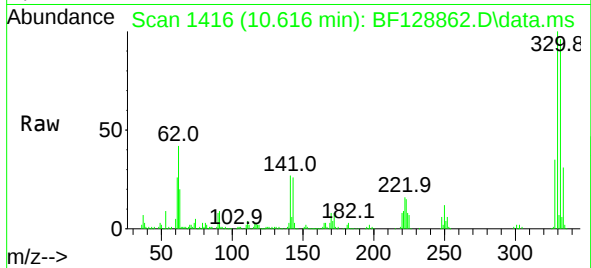
#42
2,4,6-Tribromophenol
Concen: 86.037 ng
RT: 10.616 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

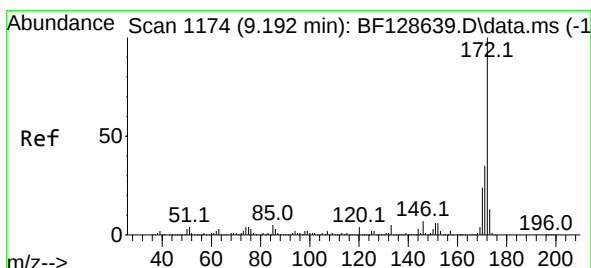
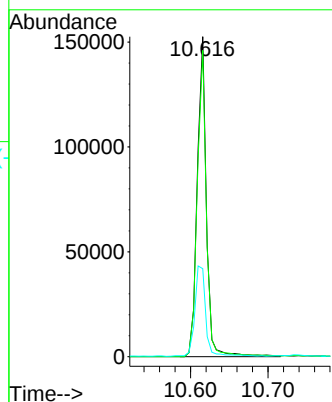
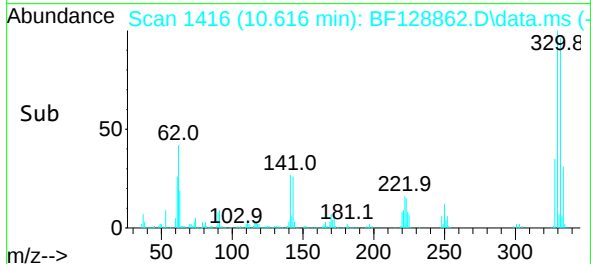


Tgt Ion:330 Resp: 12504
Ion Ratio Lower Upper
330 100
332 96.6 76.8 115.2
141 33.7 28.0 42.0

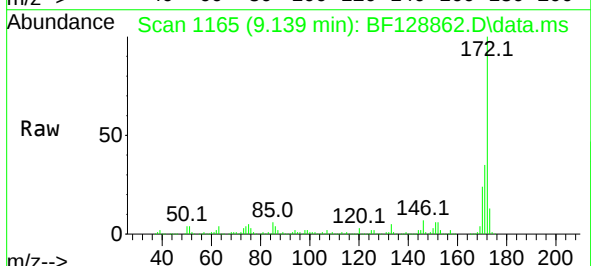
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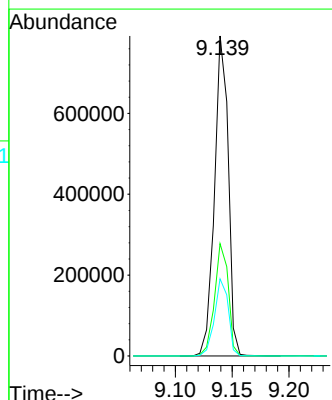
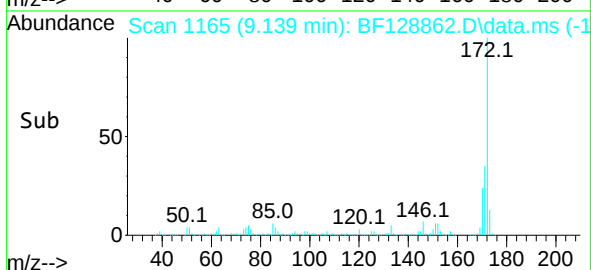
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022

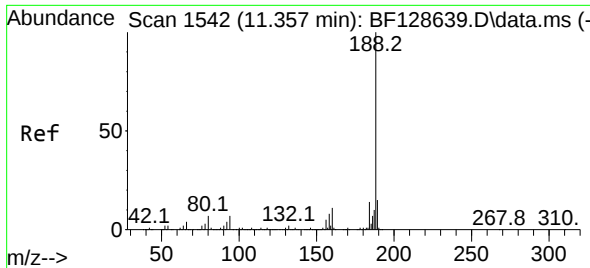


#45
2-Fluorobiphenyl
Concen: 76.054 ng
RT: 9.139 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10



Tgt Ion:172 Resp: 667819
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 24.1 19.8 29.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

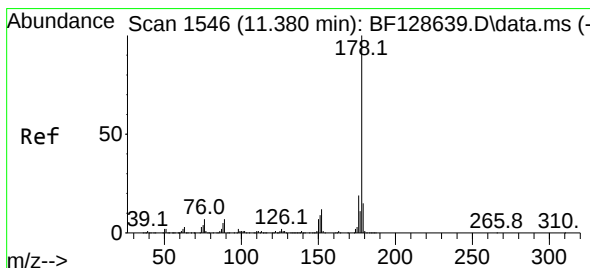
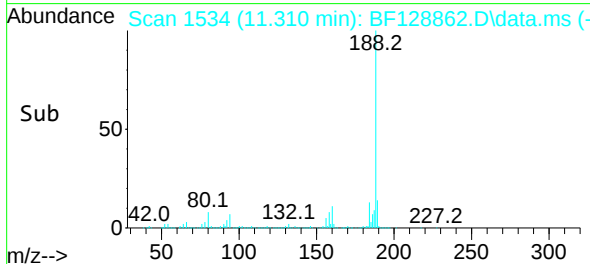
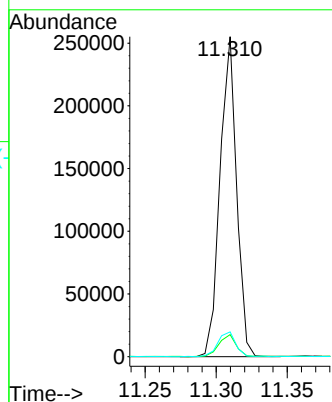
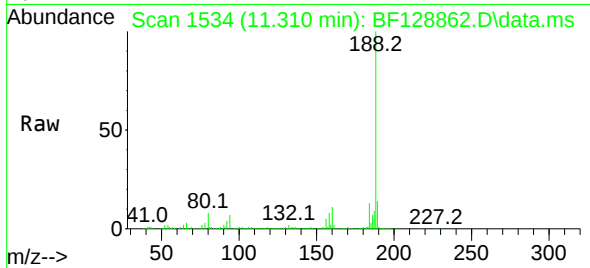
RB-02-(15-16)

Tgt Ion:188 Resp: 206415
Ion Ratio Lower Upper
188 100
94 6.9 7.0 10.6
80 7.7 7.6 11.4

Manual Integrations

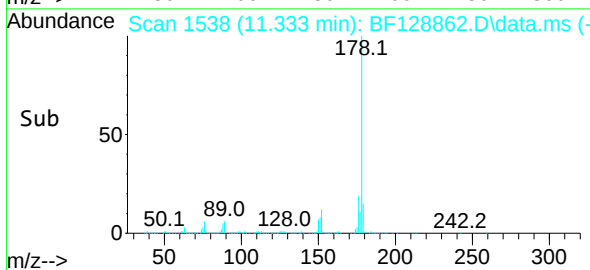
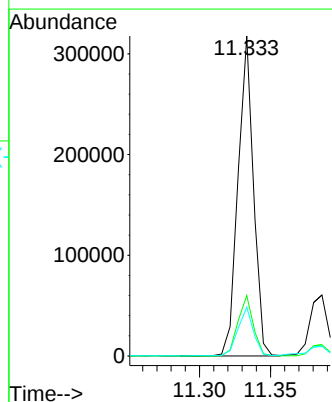
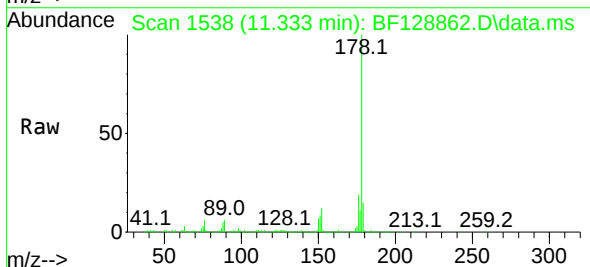
APPROVED

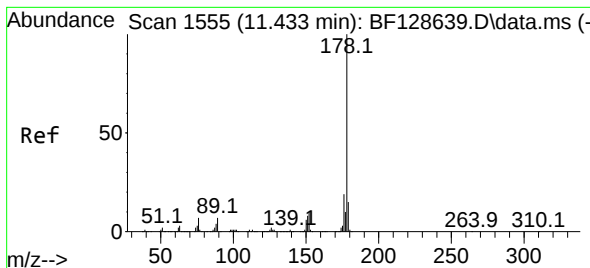
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#71
Phenanthrene
Concen: 23.304 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:178 Resp: 241272
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.3 12.6 19.0





#72

Anthracene

Concen: 5.007 ng

RT: 11.386 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

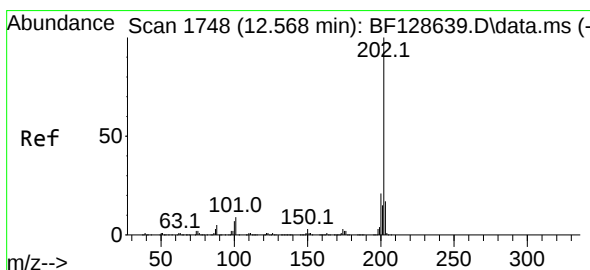
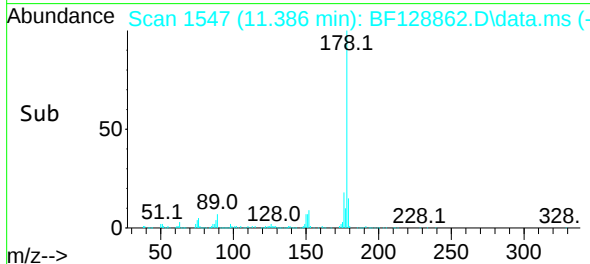
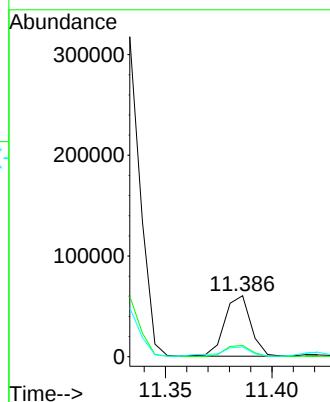
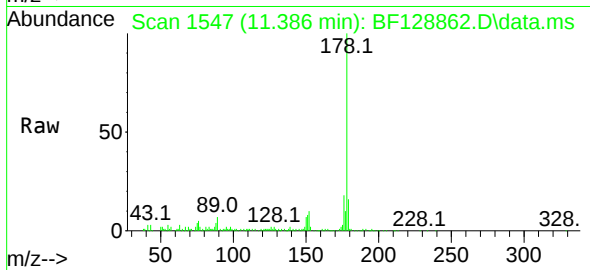
Tgt Ion:178	Resp:	5130
Ion Ratio	Lower	Upper
178	100	
176	18.3	15.4 23.2
179	15.9	12.6 19.0

Manual Integrations

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#75

Fluoranthene

Concen: 28.084 ng

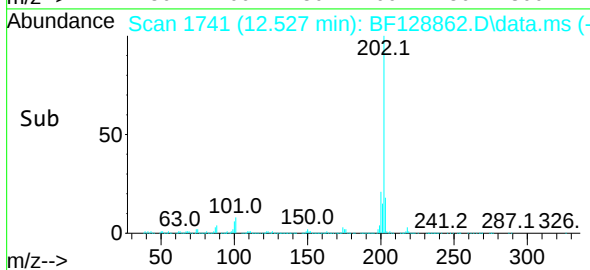
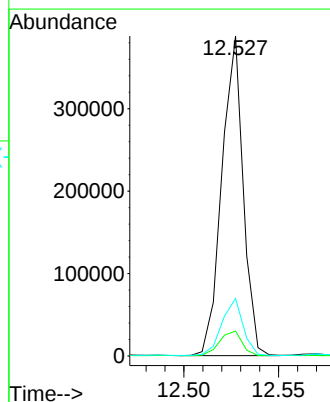
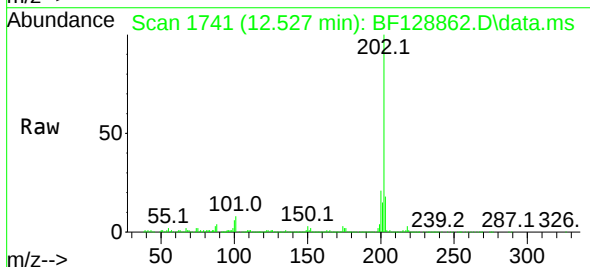
RT: 12.527 min Scan# 1741

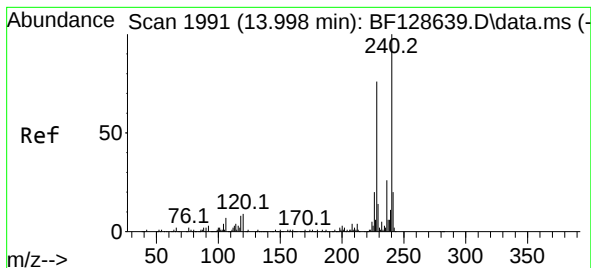
Delta R.T. -0.000 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

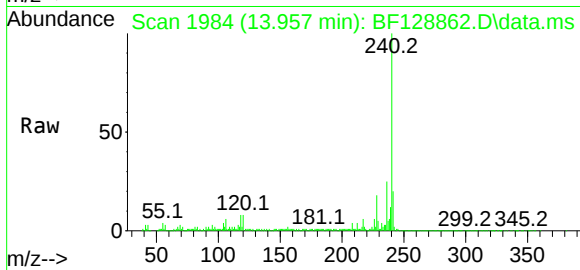
Tgt Ion:202	Resp:	303935
Ion Ratio	Lower	Upper
202	100	
101	7.8	0.0 31.4
203	17.9	0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

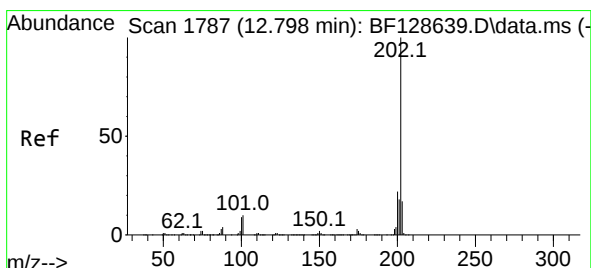
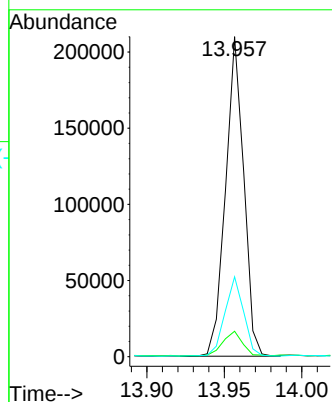
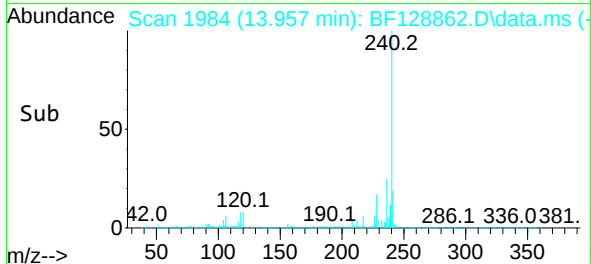
Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)



Tgt Ion:240 Resp: 171239
Ion Ratio Lower Upper
240 100
120 8.0 8.9 13.3
236 25.0 20.8 31.2

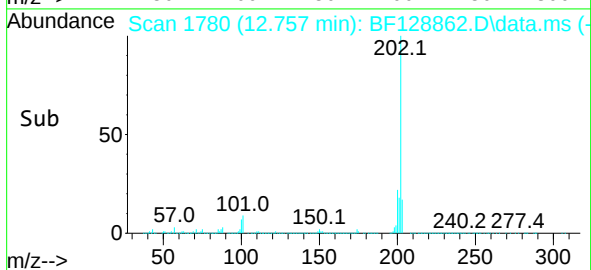
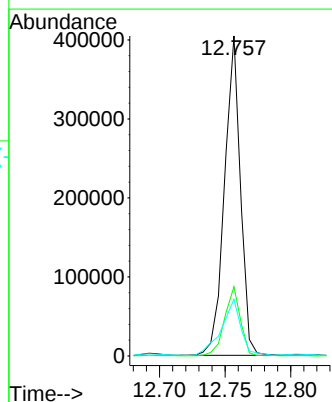
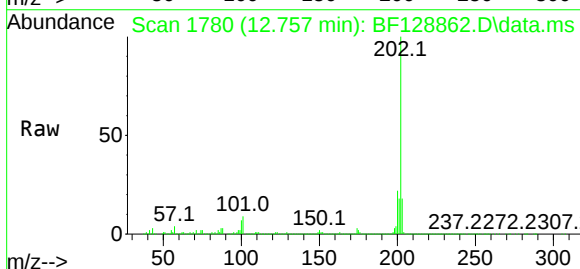
Manual Integrations
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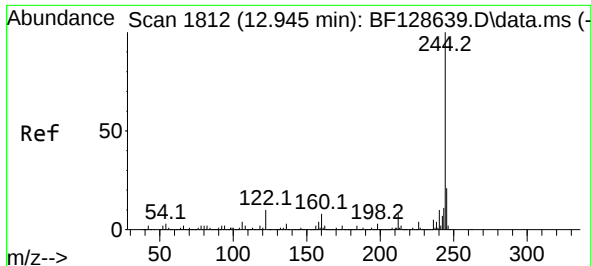
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#78
Pyrene
Concen: 26.717 ng
RT: 12.757 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:202 Resp: 340381
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 17.7 14.6 21.8





#79
 Terphenyl-d14
 Concen: 67.326 ng
 RT: 12.898 min Scan# 1804
 Delta R.T. -0.006 min
 Lab File: BF128862.D
 Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

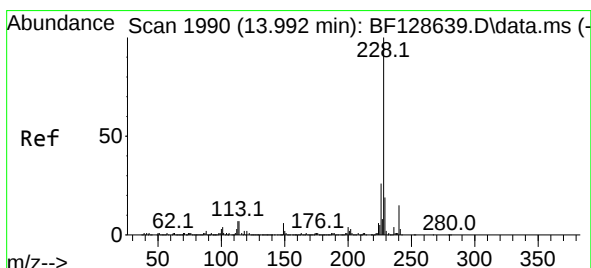
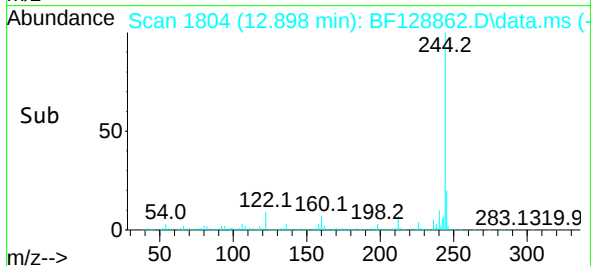
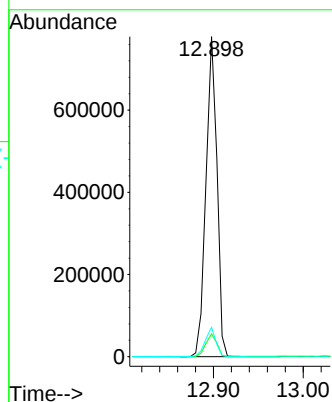
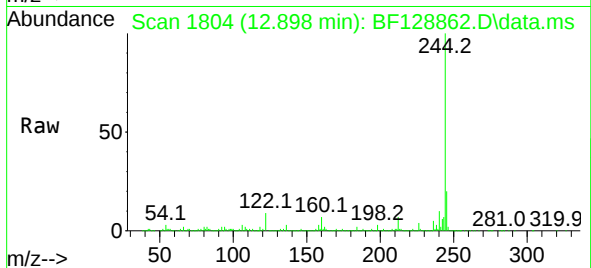
RB-02-(15-16)

Tgt Ion:244 Resp: 663478
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 9.2 8.8 13.2

Manual Integrations

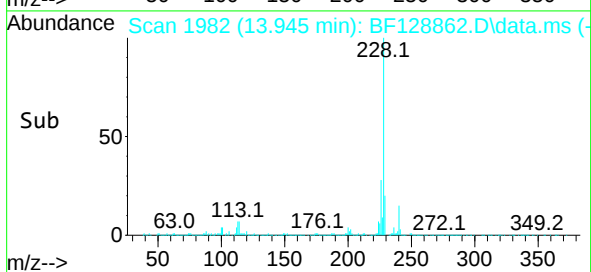
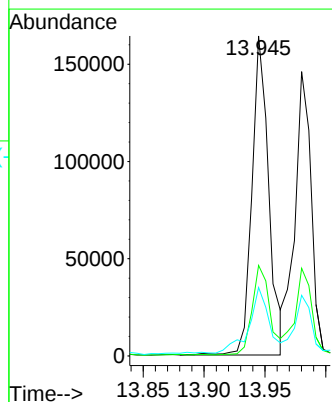
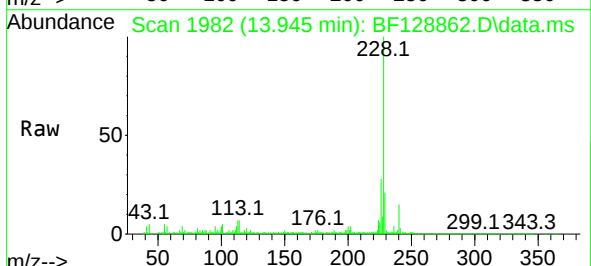
APPROVED

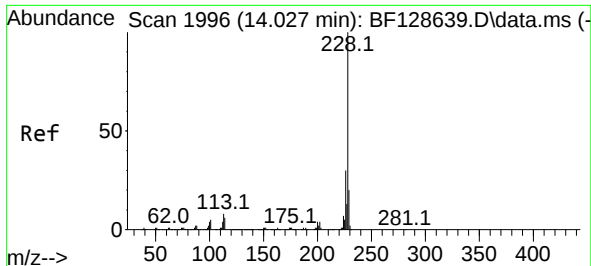
Reviewed By :Christian Giraldo 06/20/2022
 Supervised By :Jagrut Upadhyay 06/20/2022



#81
 Benzo(a)anthracene
 Concen: 14.747 ng
 RT: 13.945 min Scan# 1982
 Delta R.T. -0.006 min
 Lab File: BF128862.D
 Acq: 17 Jun 2022 19:10

Tgt Ion:228 Resp: 157409
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.1 33.1
 229 21.4 15.8 23.8





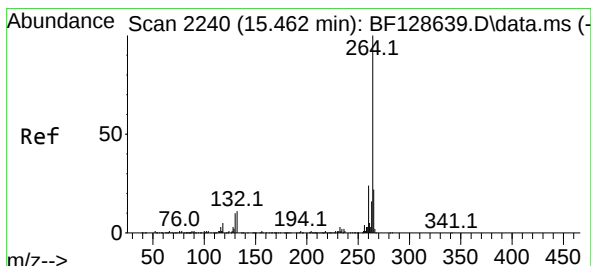
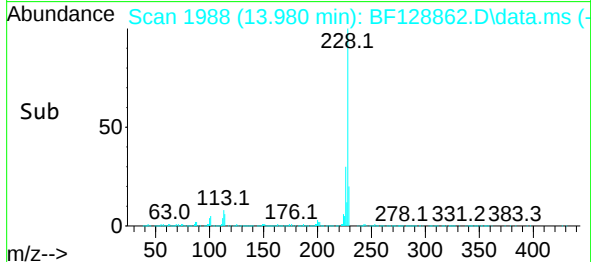
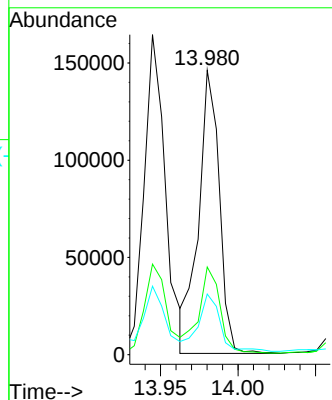
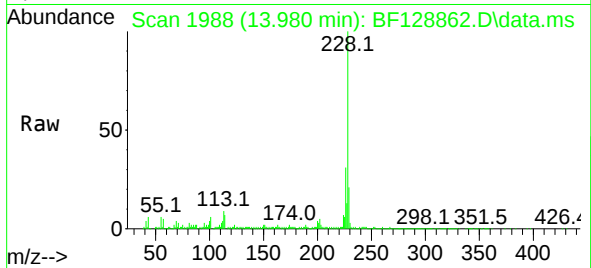
#83
Chrysene
Concen: 13.337 ng
RT: 13.980 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)

Tgt Ion:228 Resp: 135725
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 21.3 15.9 23.9

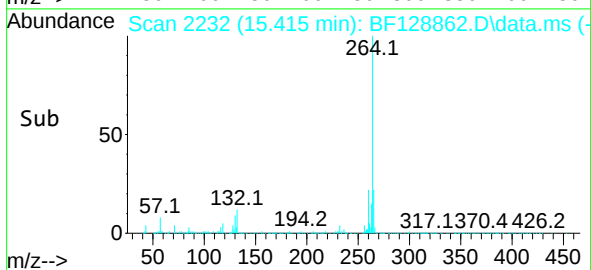
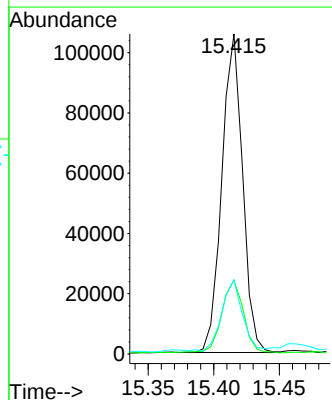
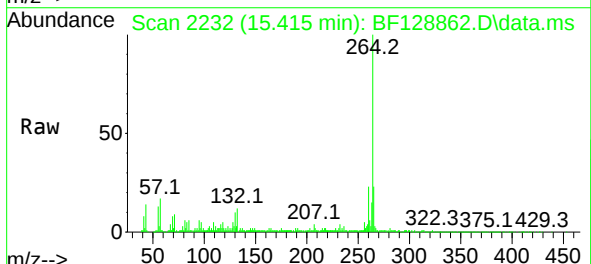
Manual Integrations
APPROVED

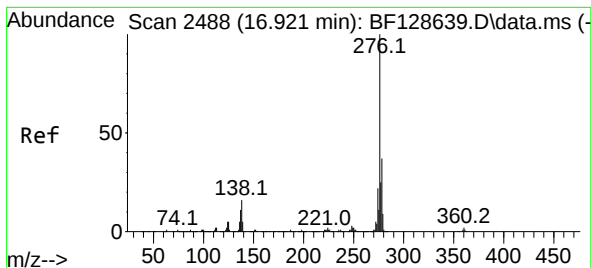
Reviewed By :Christian Giraldo 06/20/2022
Supervised By :Jagrut Upadhyay 06/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Tgt Ion:264 Resp: 116281
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 23.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.050 ng

RT: 16.856 min Scan# 2488

Delta R.T. -0.006 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNA_F

ClientSampleId :

RB-02-(15-16)

Tgt Ion:276 Resp: 4239

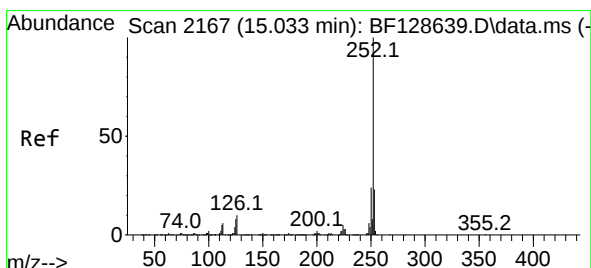
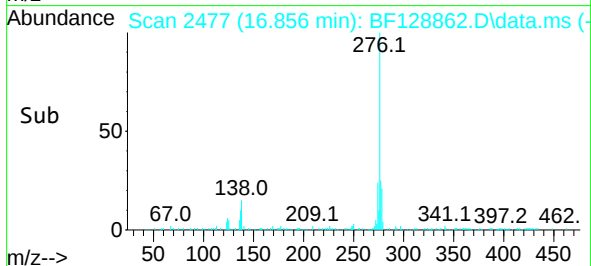
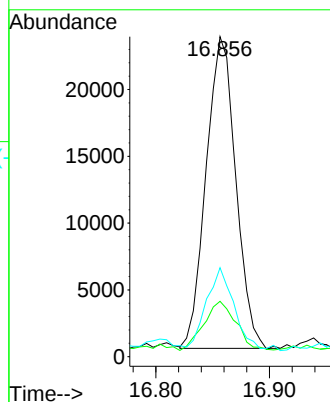
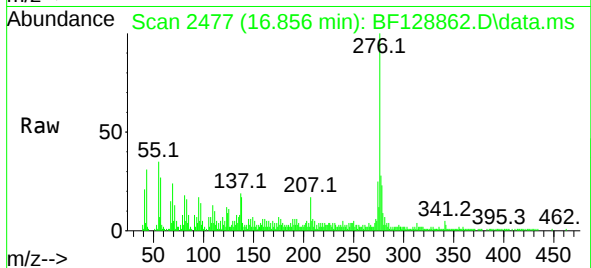
Ion	Ratio	Lower	Upper
276	100		
138	17.1	21.1	31.7
277	23.5	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/20/2022

Supervised By :Jagrut Upadhyay 06/20/2022



#88

Benzo(b)fluoranthene

Concen: 15.624 ng m

RT: 14.992 min Scan# 2160

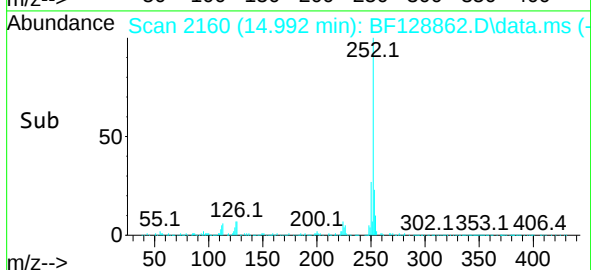
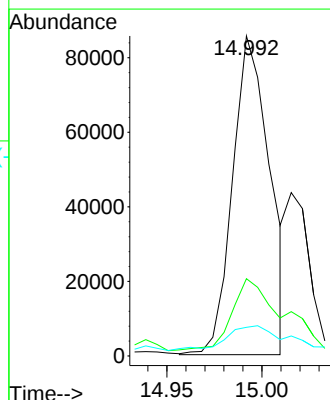
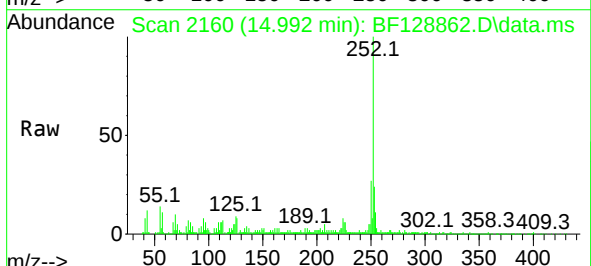
Delta R.T. -0.000 min

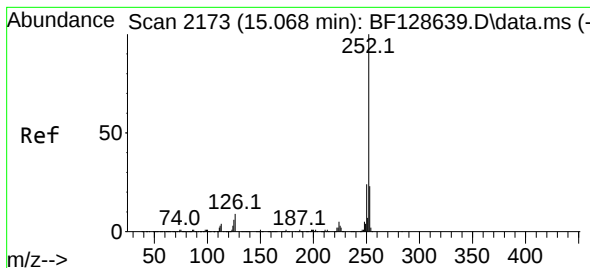
Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Tgt Ion:252 Resp: 116093

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	8.9	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 5.207 ng m

RT: 15.015 min Scan# 2173

Delta R.T. -0.012 min

Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Instrument :

BNF

ClientSampleId :

RB-02-(15-16)

Tgt Ion:252 Resp: 36390

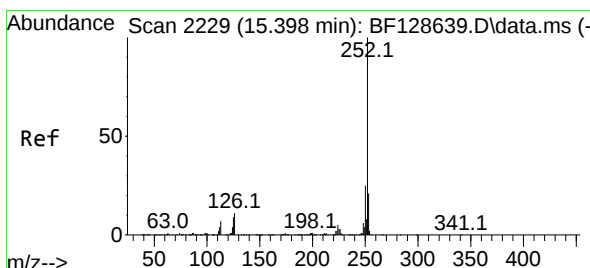
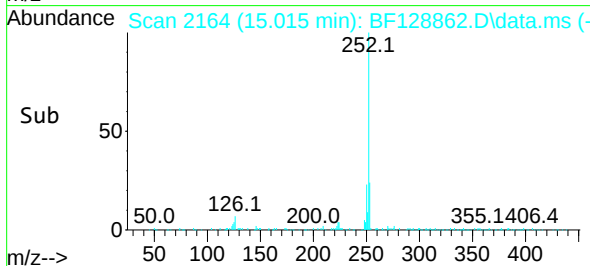
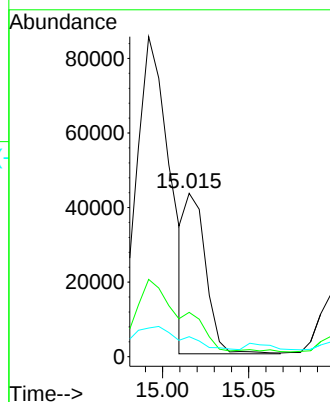
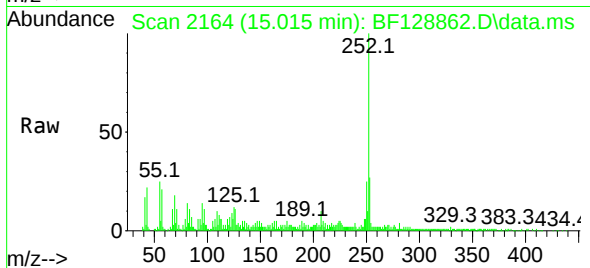
Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.8	26.6
125	12.2	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/20/2022

Supervised By :Jagrut Upadhyay 06/20/2022



#90

Benzo(a)pyrene

Concen: 13.629 ng

RT: 15.351 min Scan# 2221

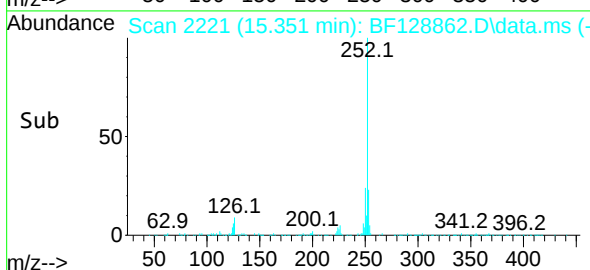
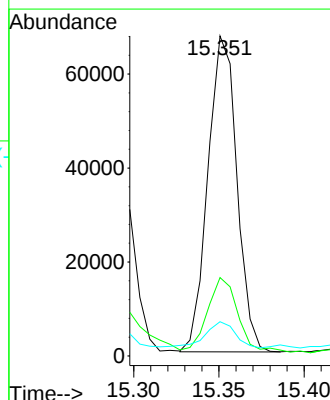
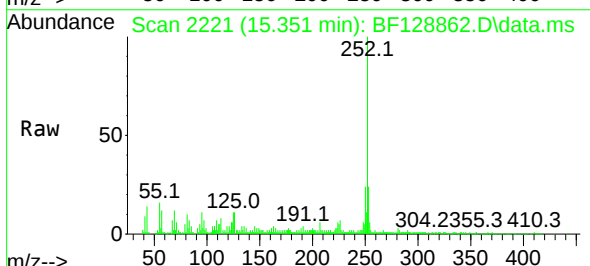
Delta R.T. -0.006 min

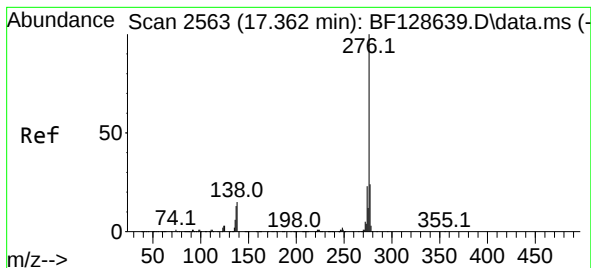
Lab File: BF128862.D

Acq: 17 Jun 2022 19:10

Tgt Ion:252 Resp: 79592

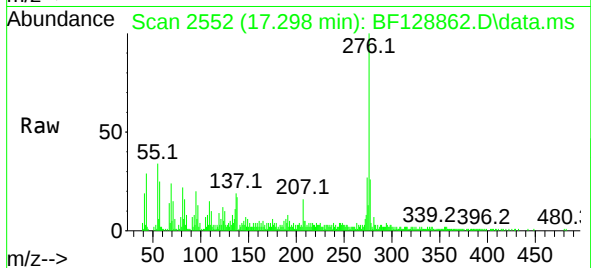
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	10.7	8.8	13.2





#92
Benzo(g,h,i)perylene
Concen: 7.355 ng
RT: 17.298 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF128862.D
Acq: 17 Jun 2022 19:10

Instrument :
BNA_F
ClientSampleId :
RB-02-(15-16)



Tgt Ion: 276 Resp: 4237
Ion Ratio Lower Upper
276 100
277 26.0 19.1 28.7
138 16.6 18.0 27.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 06/20/2022
Supervised By : Jagrut Upadhyay 06/20/2022

