

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
 Data File : BF129180.D
 Acq On : 08 Jul 2022 17:43
 Operator : CG\JU
 Sample : N3631-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-070722

Quant Time: Jul 08 23:24:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 23:22:06 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
 Supervised By :mohammad ahmed 07/11/2022

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 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	301511	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	1068950	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	469549	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	737033	20.000	ng	0.00
76) Chrysene-d12	14.133	240	570702	20.000	ng	0.00
86) Perylene-d12	15.656	264	454007	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	1191070	66.786	ng	-0.01
7) Phenol-d6	6.563	99	1443648	65.177	ng	-0.01
23) Nitrobenzene-d5	7.504	82	849777	47.417	ng	-0.01
42) 2,4,6-Tribromophenol	10.774	330	310550	60.825	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	1583785	53.961	ng	0.00
79) Terphenyl-d14	13.068	244	1415824	51.518	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.251	128	114444	2.358	ng	99
37) 2-Methylnaphthalene	8.939	142	77812	2.383	ng	99
38) 1-Methylnaphthalene	9.039	142	68014	2.145	ng	98
49) Acenaphthylene	9.845	152	144502	3.648	ng	98
52) Acenaphthene	10.022	154	56777	2.201	ng	96
58) Fluorene	10.533	166	159424	5.486	ng	96
71) Phenanthrene	11.504	178	1227849	34.867	ng	100
72) Anthracene	11.557	178	381100	10.976	ng	99
75) Fluoranthene	12.704	202	2453533	66.620	ng	97
78) Pyrene	12.933	202	2492204	63.000	ng	99
81) Benzo(a)anthracene	14.121	228	1356280	38.922	ng	96
83) Chrysene	14.162	228	1190986	36.816	ng	97
87) Indeno(1,2,3-cd)pyrene	17.209	276	540477	19.410	ng	95
88) Benzo(b)fluoranthene	15.204	252	1248143m	45.713	ng	
89) Benzo(k)fluoranthene	15.233	252	468158m	17.678	ng	
90) Benzo(a)pyrene	15.592	252	951931	42.767	ng	96
91) Dibenzo(a,h)anthracene	17.215	278	134334	5.918	ng	# 86
92) Benzo(g,h,i)perylene	17.680	276	512455	22.502	ng	98

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

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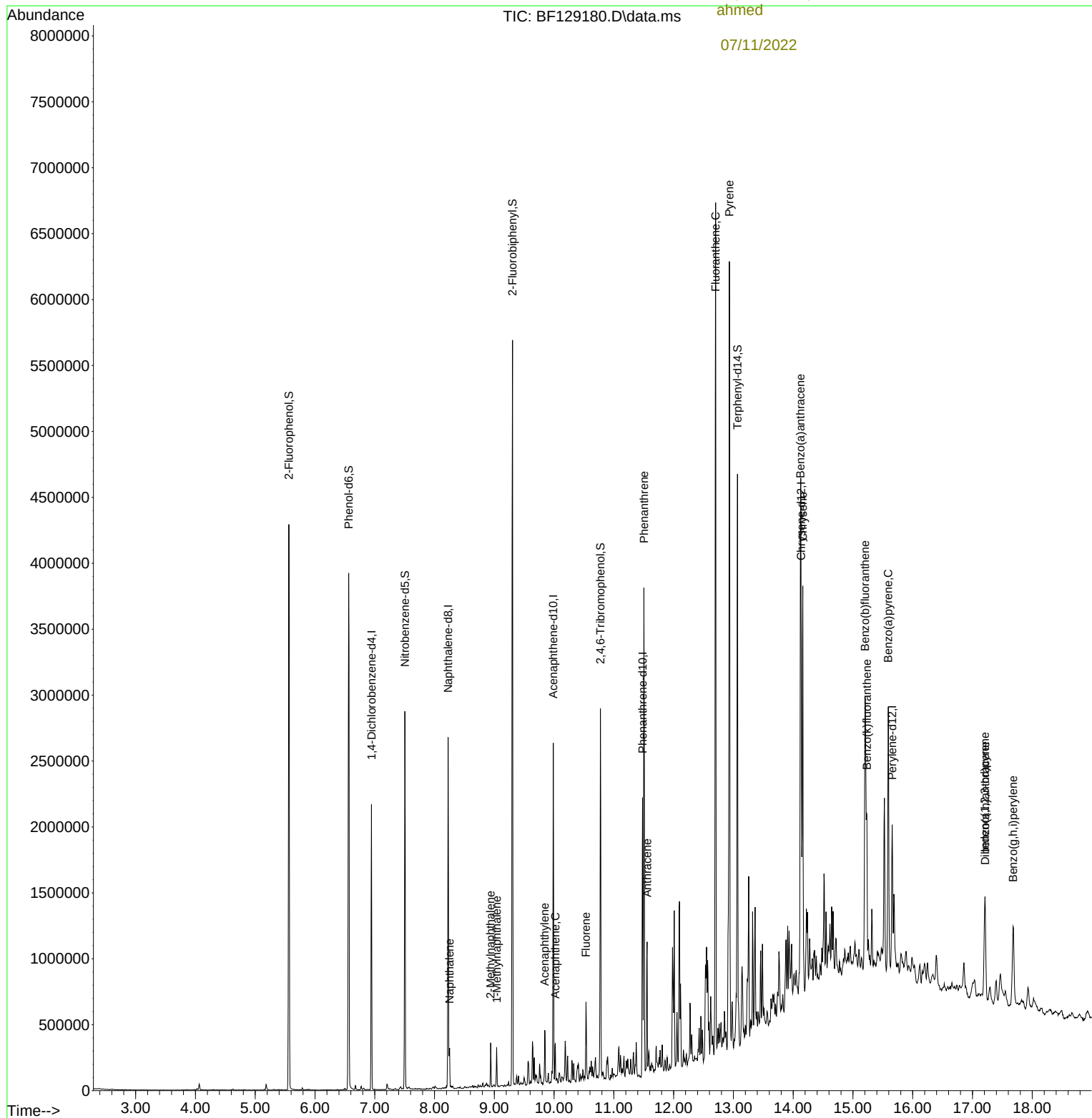
Quant Time: Jul 08 23:24:47 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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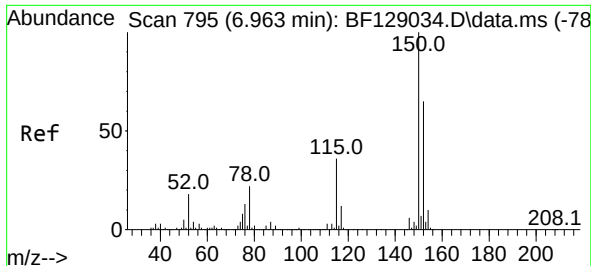
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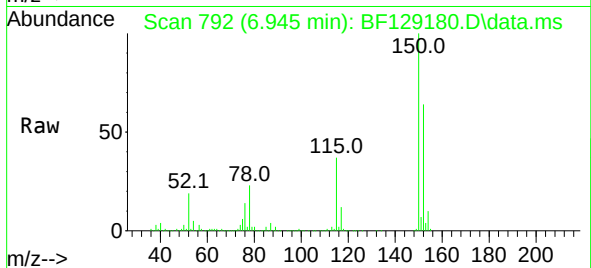
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
BNA_F
ClientSampleId :
SU-3-070722



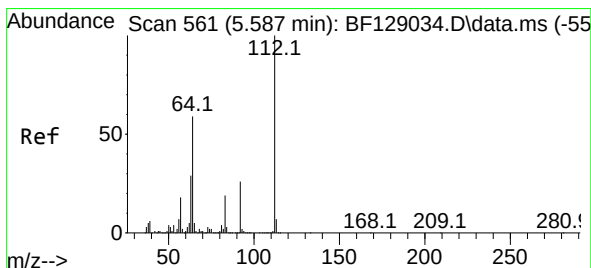
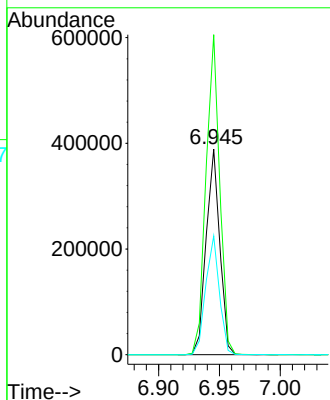
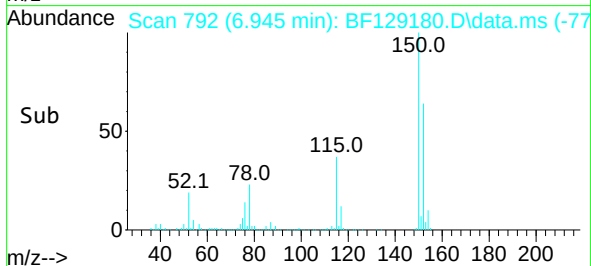
Tgt Ion:152 Resp: 30151
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 57.8 49.9 74.9

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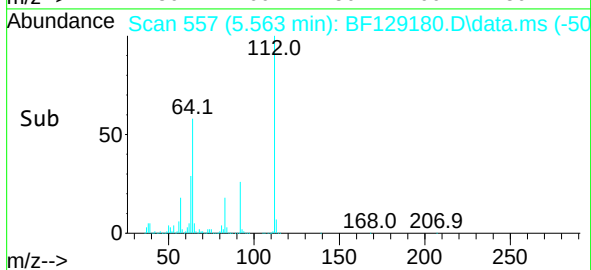
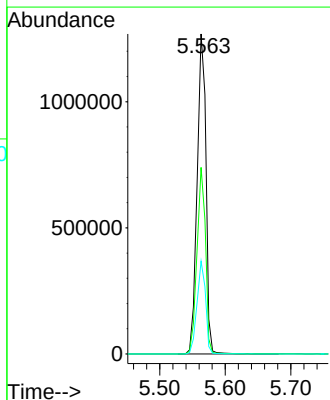
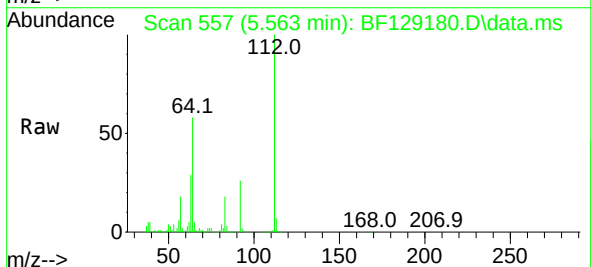
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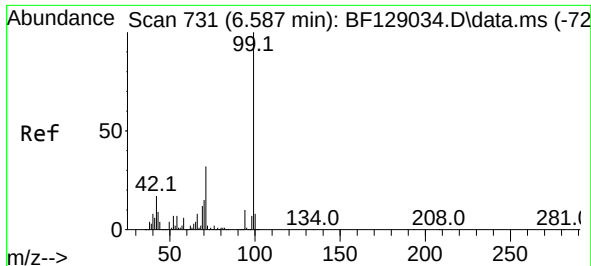
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#5
2-Fluorophenol
Concen: 66.786 ng
RT: 5.563 min Scan# 557
Delta R.T. -0.012 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

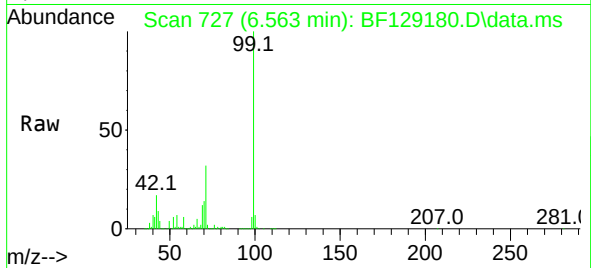
Tgt Ion:112 Resp: 1191070
Ion Ratio Lower Upper
112 100
64 58.3 53.3 79.9
63 29.0 28.0 42.0





#7
Phenol-d6
Concen: 65.177 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
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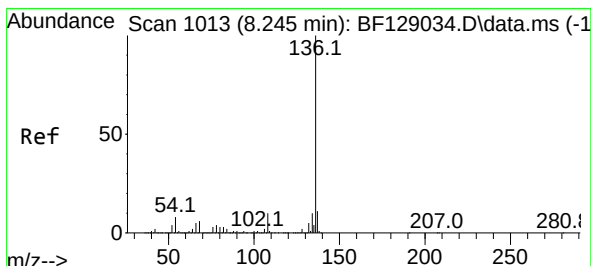
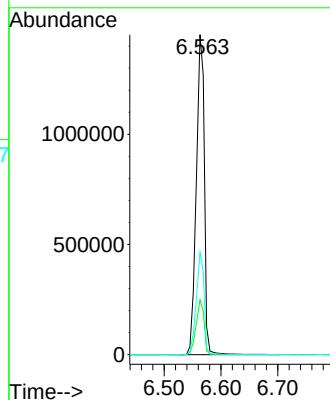
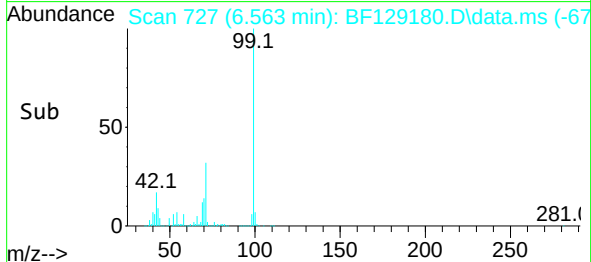
Tgt Ion: 99 Resp: 1443648
Ion Ratio Lower Upper
99 100
42 17.1 17.3 25.9
71 31.9 28.9 43.3

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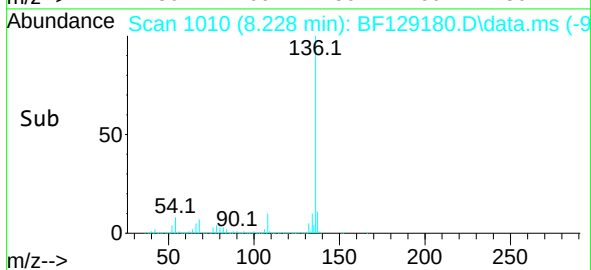
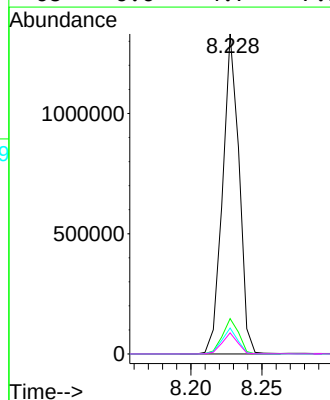
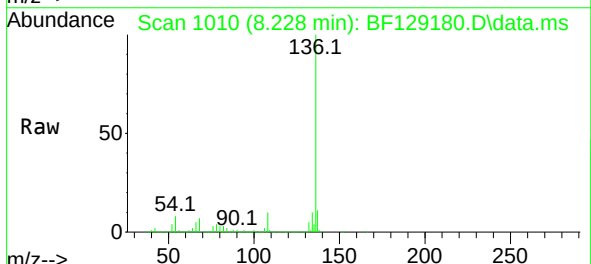
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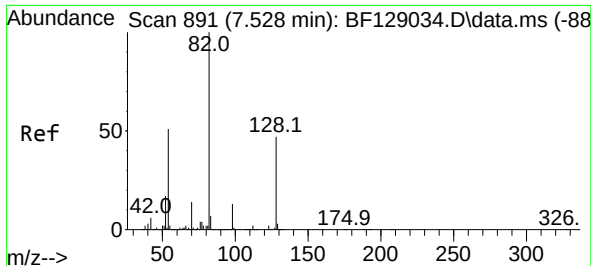
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Tgt Ion:136 Resp: 1068950
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.1 7.5 11.3
68 6.6 4.7 7.1





#23

Nitrobenzene-d5

Concen: 47.417 ng

RT: 7.504 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF129180.D

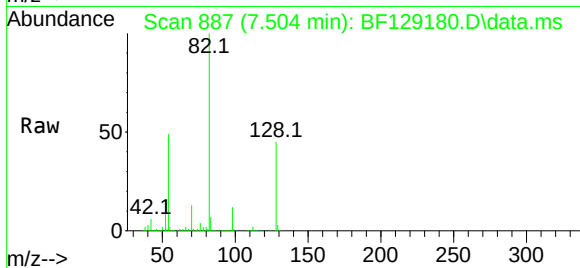
Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

ClientSampleId :

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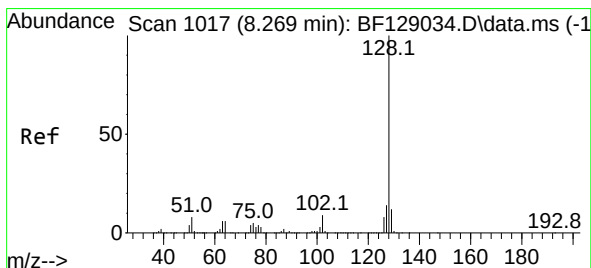
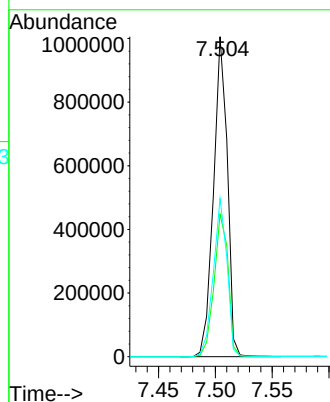
Tgt Ion:	82	Resp:	84977
Ion Ratio	100	Lower	Upper
82	100		
128	44.6	34.0	51.0
54	49.4	46.9	70.3

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#31

Naphthalene

Concen: 2.358 ng

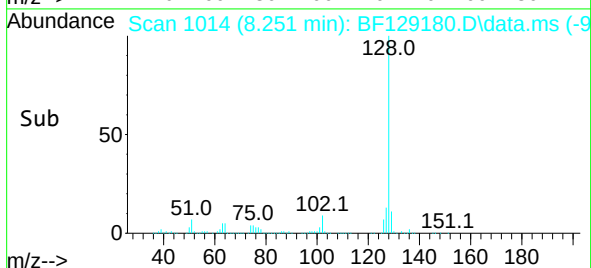
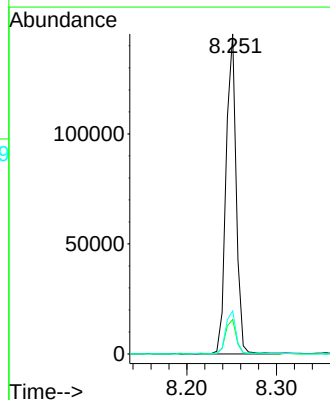
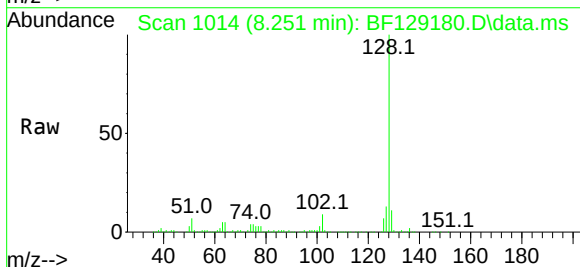
RT: 8.251 min Scan# 1014

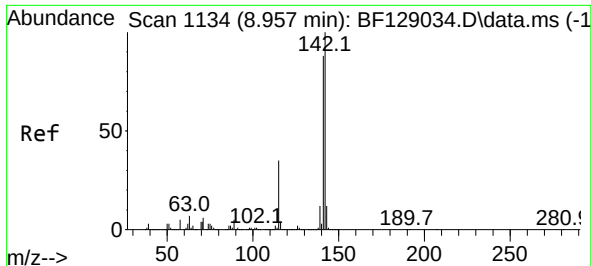
Delta R.T. -0.006 min

Lab File: BF129180.D

Acq: 08 Jul 2022 17:43

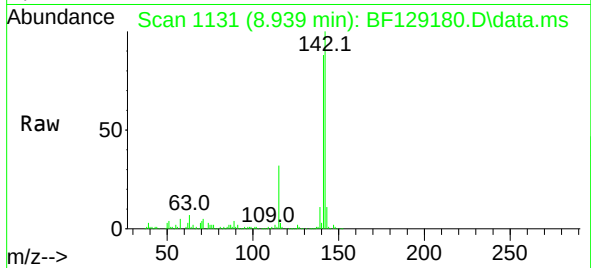
Tgt Ion:	128	Resp:	114444
Ion Ratio	100	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	13.4	10.5	15.7





#37
2-Methylnaphthalene
Concen: 2.383 ng
RT: 8.939 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

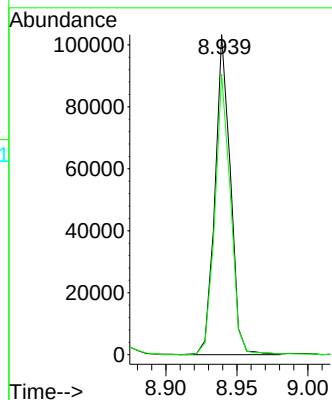
Instrument :
BNA_F
ClientSampleId :
SU-3-070722



Tgt Ion:142 Resp: 7781
Ion Ratio Lower Upper
142 100
141 87.7 71.0 106.4

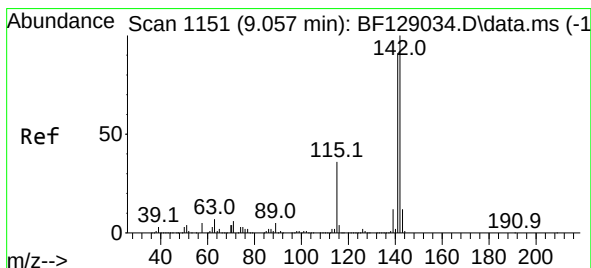
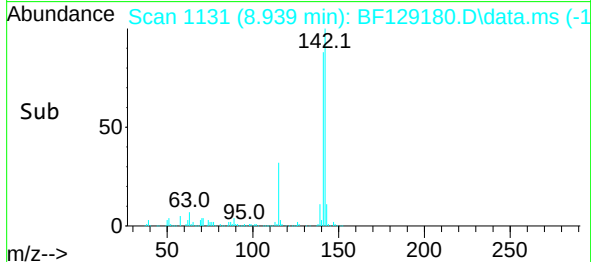
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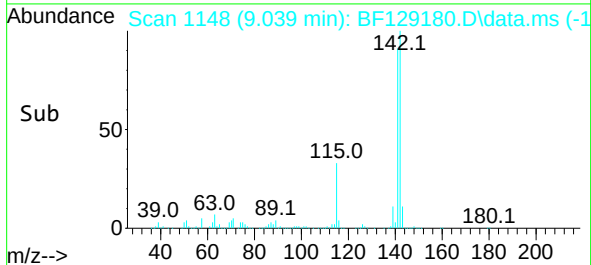
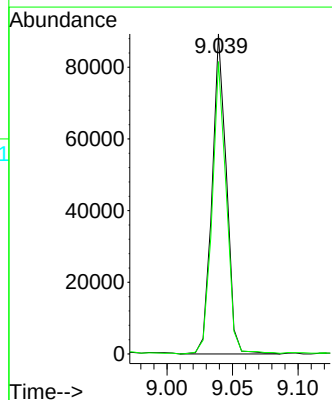
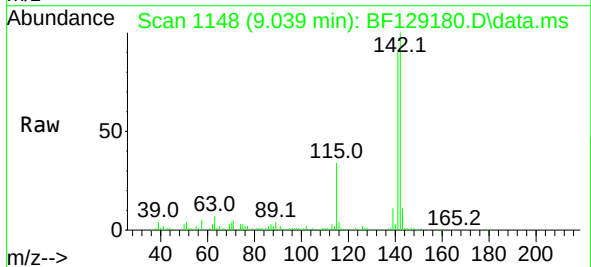
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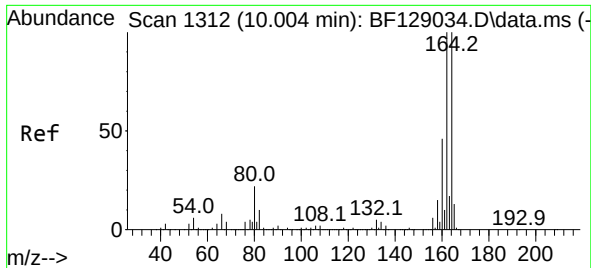
07/11/2022



#38
1-Methylnaphthalene
Concen: 2.145 ng
RT: 9.039 min Scan# 1148
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

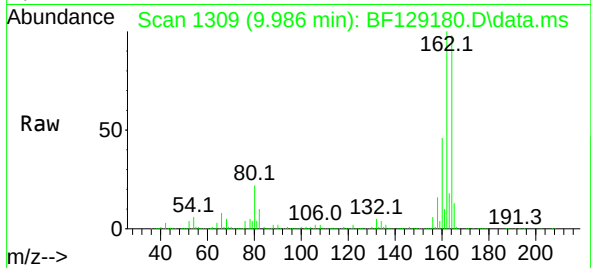
Tgt Ion:142 Resp: 68014
Ion Ratio Lower Upper
142 100
141 91.4 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1312
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
BNA_F
ClientSampleId :
SU-3-070722



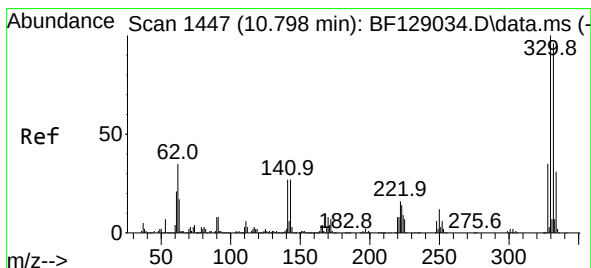
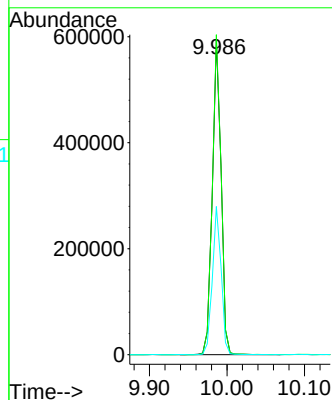
Tgt Ion:164 Resp: 469549
Ion Ratio Lower Upper
164 100
162 101.8 79.5 119.3
160 47.1 34.2 51.4

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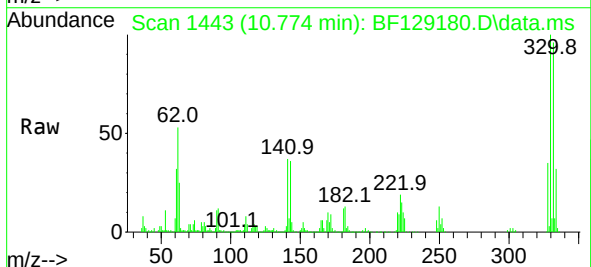
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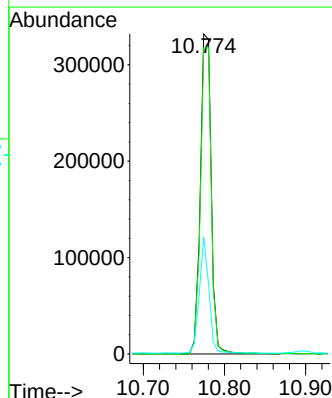
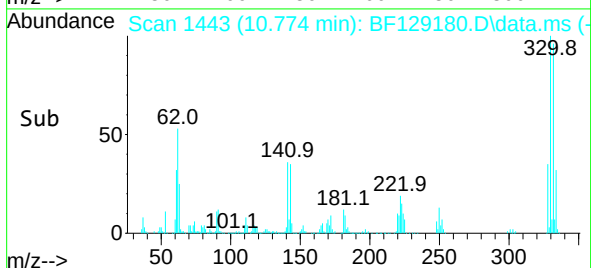
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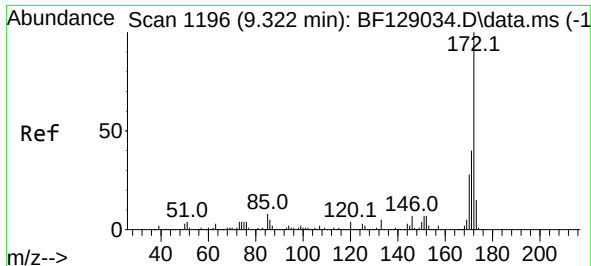


#42
2,4,6-Tribromophenol
Concen: 60.825 ng
RT: 10.774 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43



Tgt Ion:330 Resp: 310550
Ion Ratio Lower Upper
330 100
332 95.8 76.8 115.2
141 31.8 28.0 42.0





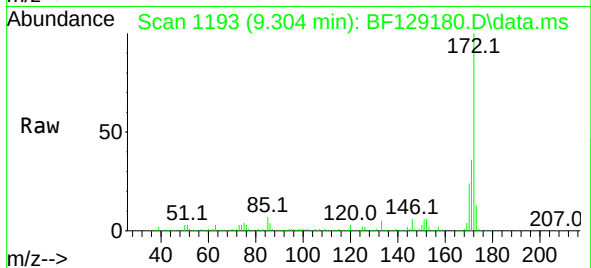
#45
2-Fluorobiphenyl
Concen: 53.961 ng
RT: 9.304 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

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Tgt Ion:172 Resp: 1583785
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.9 19.8 29.8

Manual Integrations

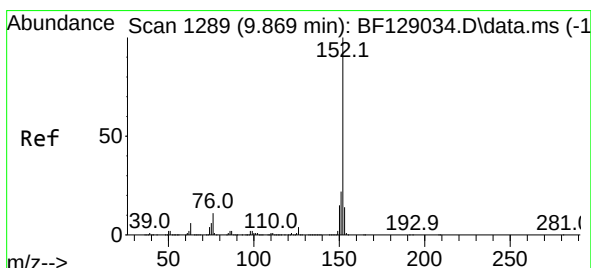
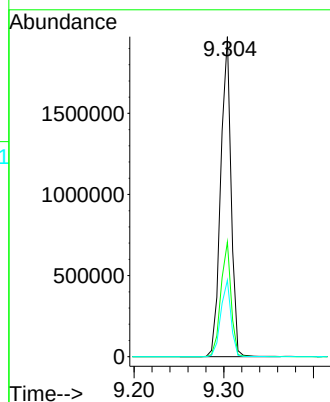
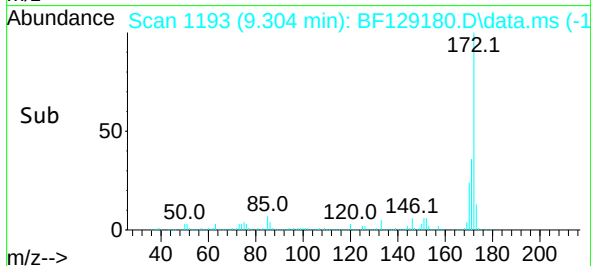
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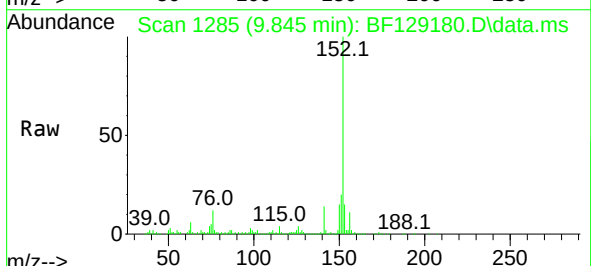
07/11/2022

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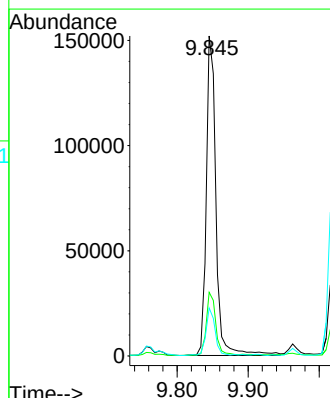
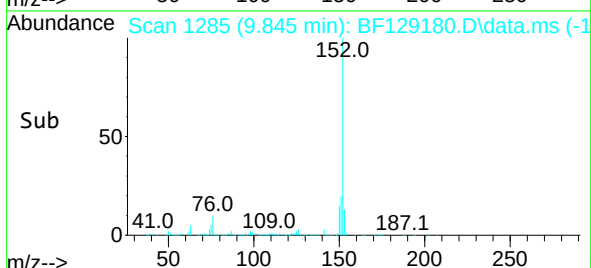
07/11/2022

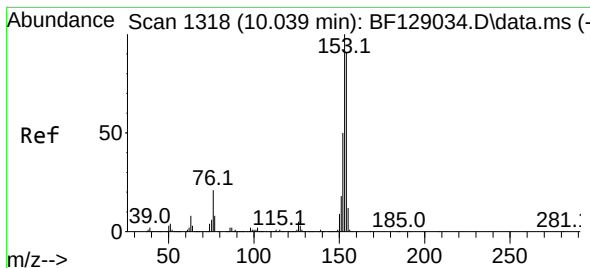


#49
Acenaphthylene
Concen: 3.648 ng
RT: 9.845 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43



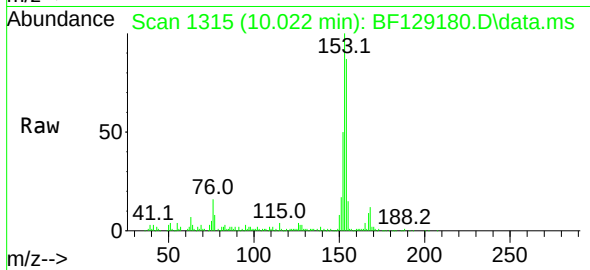
Tgt Ion:152 Resp: 144502
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 15.0 10.7 16.1





#52
Acenaphthene
Concen: 2.201 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
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ClientSampleId :
SU-3-070722



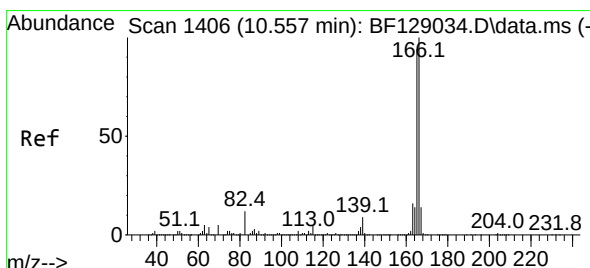
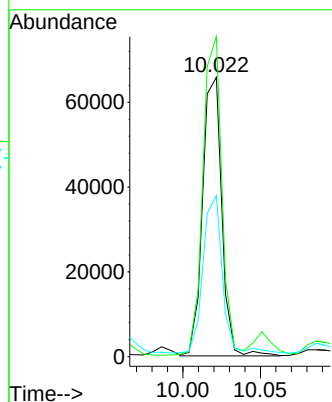
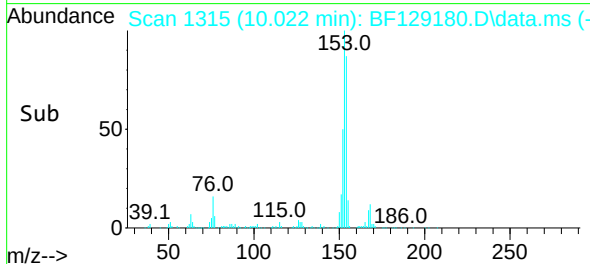
Tgt Ion:154 Resp: 5677
Ion Ratio Lower Upper
154 100
153 114.5 89.6 134.4
152 57.6 42.4 63.6

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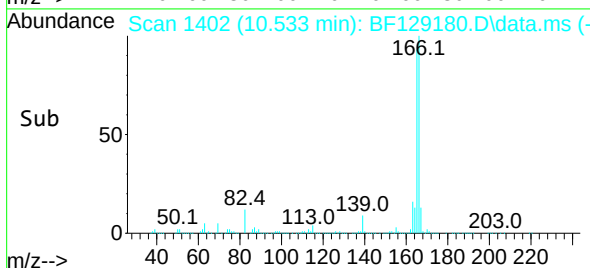
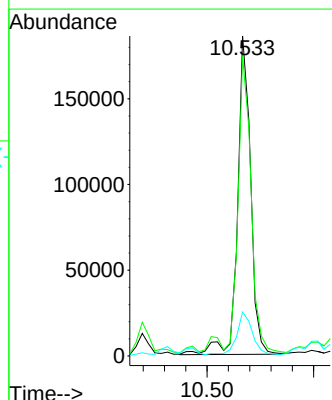
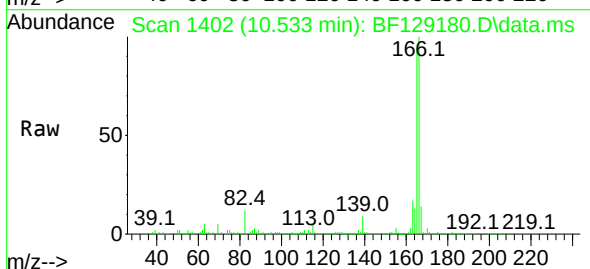
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Supervised By :mohammad
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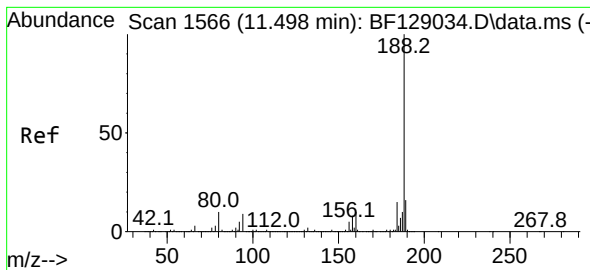
07/11/2022



#58
Fluorene
Concen: 5.486 ng
RT: 10.533 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Tgt Ion:166 Resp: 159424
Ion Ratio Lower Upper
166 100
165 93.6 78.1 117.1
167 13.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

ClientSampleId :

SU-3-070722

Tgt Ion:188 Resp: 737033
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.1 7.6 11.4

Manual Integrations

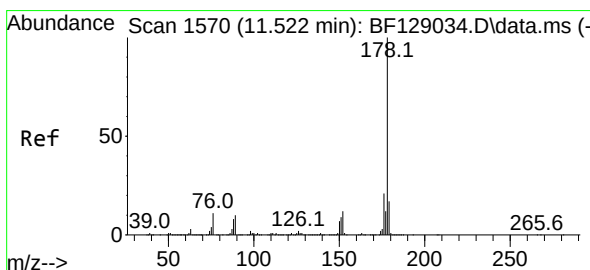
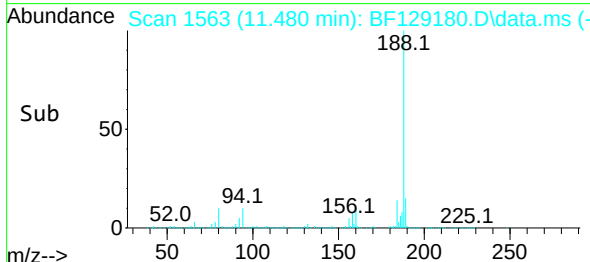
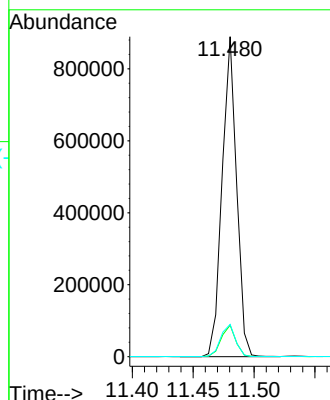
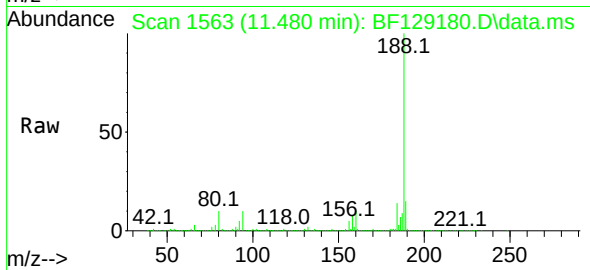
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Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022

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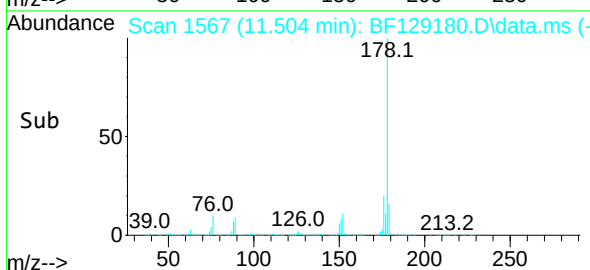
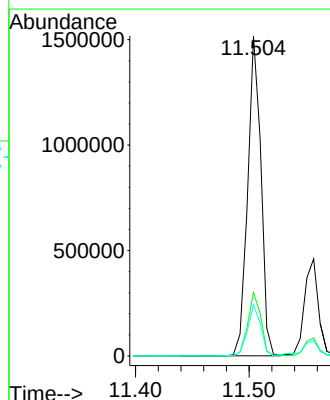
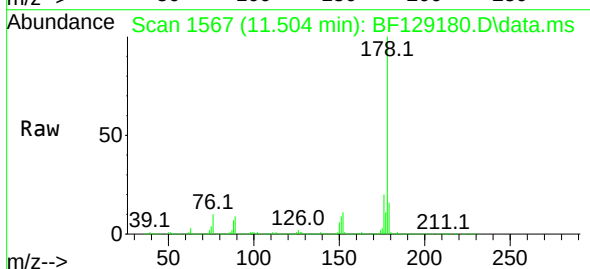
Supervised By :mohammad
ahmed

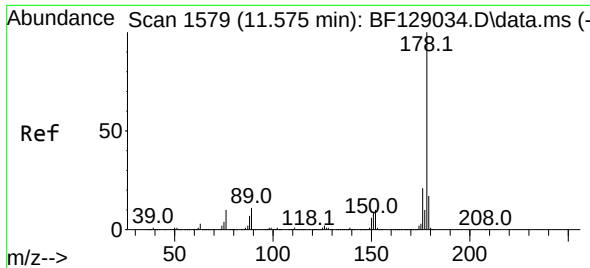
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#71
Phenanthrene
Concen: 34.867 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Tgt Ion:178 Resp: 1227849
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.0 12.6 19.0





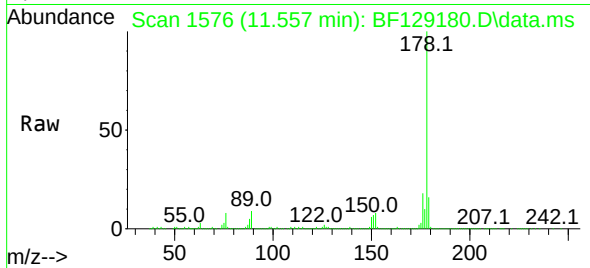
#72
 Anthracene
 Concen: 10.976 ng
 RT: 11.557 min Scan# 11557
 Delta R.T. -0.006 min
 Lab File: BF129180.D
 Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

ClientSampleId :

SU-3-070722



Tgt Ion:178 Resp: 381100
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 16.0 12.6 19.0

Manual Integrations

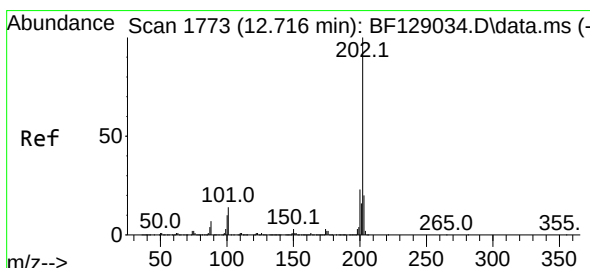
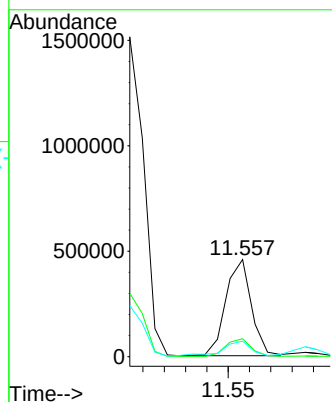
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Reviewed By :Jagrut Upadhyay 07/11/2022
 Supervised By :mohammad ahmed 07/11/2022

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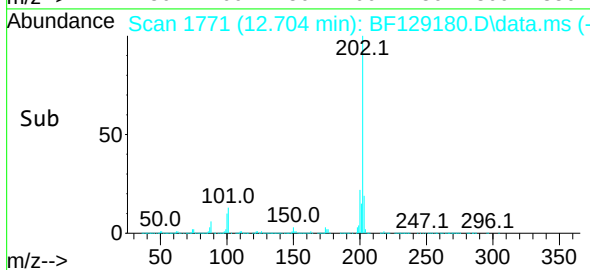
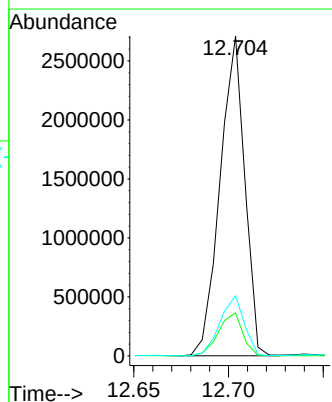
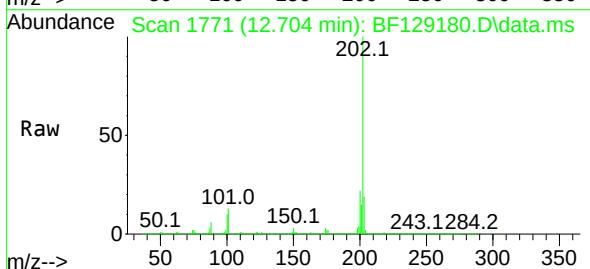
Supervised By :mohammad
 ahmed

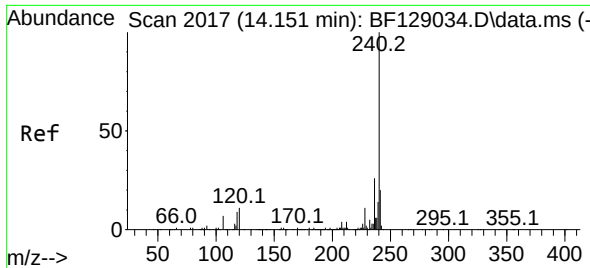
07/11/2022



#75
 Fluoranthene
 Concen: 66.620 ng
 RT: 12.704 min Scan# 1771
 Delta R.T. 0.000 min
 Lab File: BF129180.D
 Acq: 08 Jul 2022 17:43

Tgt Ion:202 Resp: 2453533
 Ion Ratio Lower Upper
 202 100
 101 13.4 0.0 31.4
 203 18.8 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

ClientSampleId :

SU-3-070722

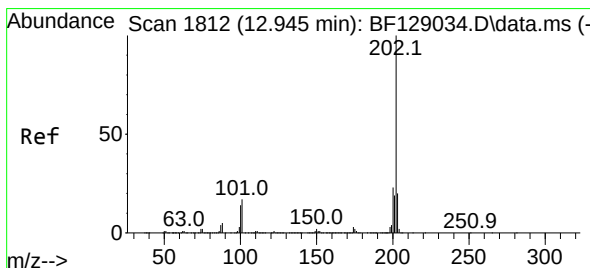
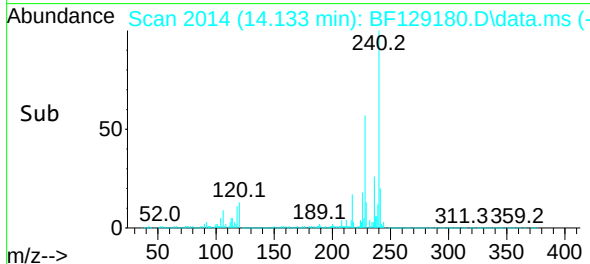
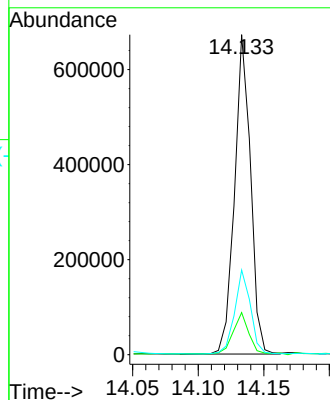
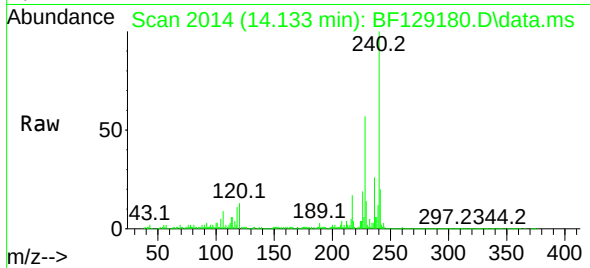
Tgt Ion:240 Resp: 57070
Ion Ratio Lower Upper
240 100
120 13.2 8.9 13.3
236 26.4 20.8 31.2

Manual Integrations
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Supervised By :mohammad ahmed 07/11/2022

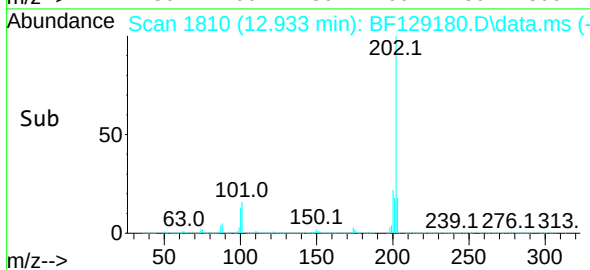
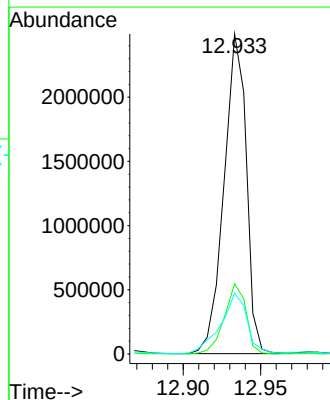
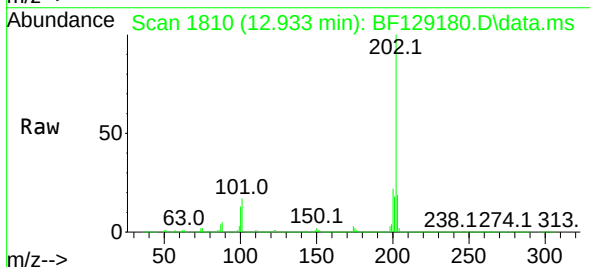
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Supervised By :mohammad
ahmed

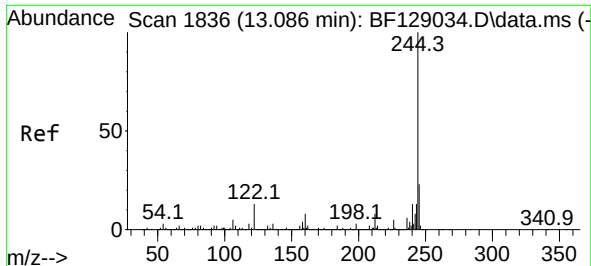
07/11/2022



#78
Pyrene
Concen: 63.000 ng
RT: 12.933 min Scan# 1810
Delta R.T. 0.000 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

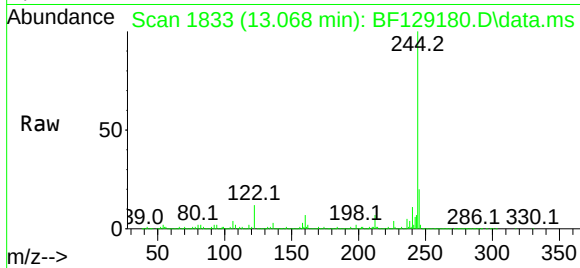
Tgt Ion:202 Resp: 2492204
Ion Ratio Lower Upper
202 100
200 22.0 17.7 26.5
203 19.0 14.6 21.8





#79
Terphenyl-d14
Concen: 51.518 ng
RT: 13.068 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
BNA_F
ClientSampleId :
SU-3-070722



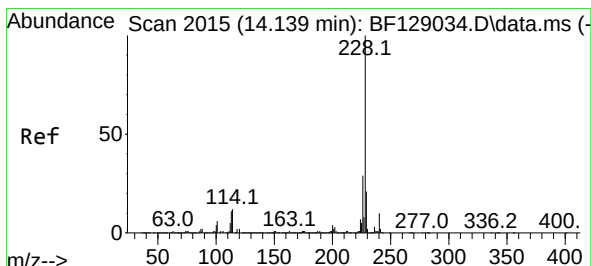
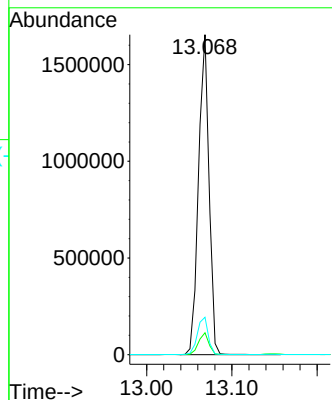
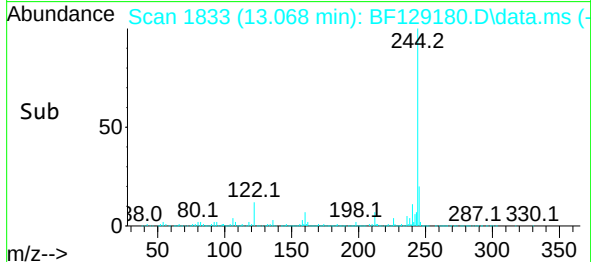
Tgt Ion:244 Resp: 1415824
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 11.7 8.8 13.2

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Supervised By :mohammad ahmed 07/11/2022

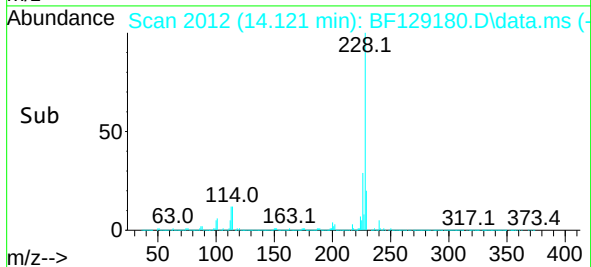
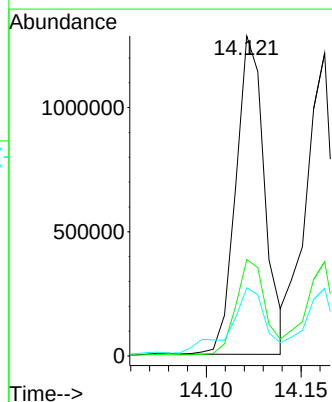
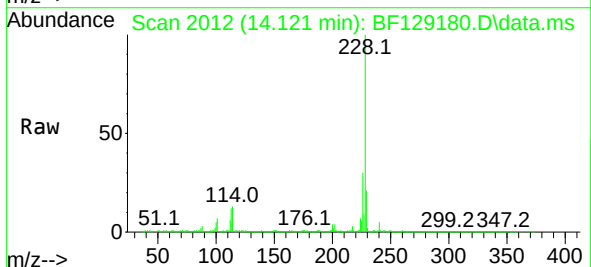
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Supervised By :mohammad
ahmed

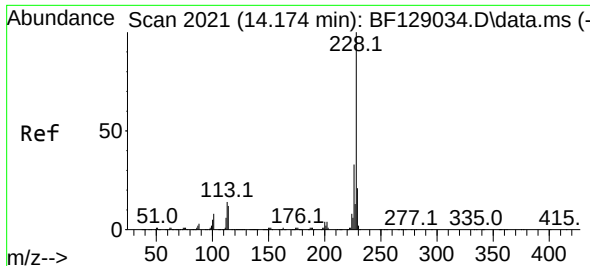
07/11/2022



#81
Benzo(a)anthracene
Concen: 38.922 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

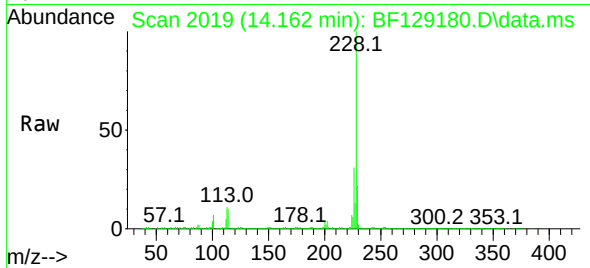
Tgt Ion:228 Resp: 1356280
Ion Ratio Lower Upper
228 100
226 30.1 22.1 33.1
229 21.3 15.8 23.8





#83
Chrysene
Concen: 36.816 ng
RT: 14.162 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
BNA_F
ClientSampleId :
SU-3-070722



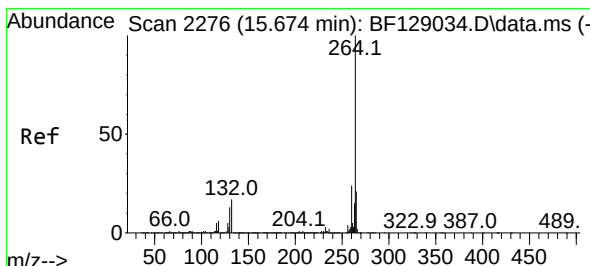
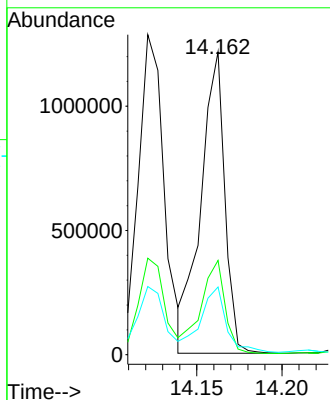
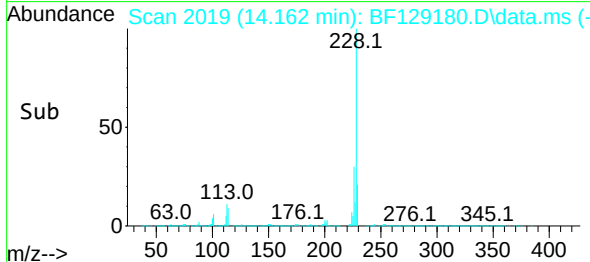
Tgt Ion:228 Resp: 1190980
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 22.3 15.9 23.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022

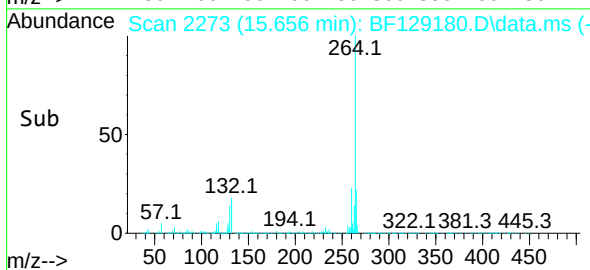
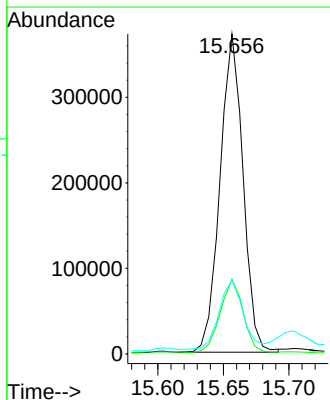
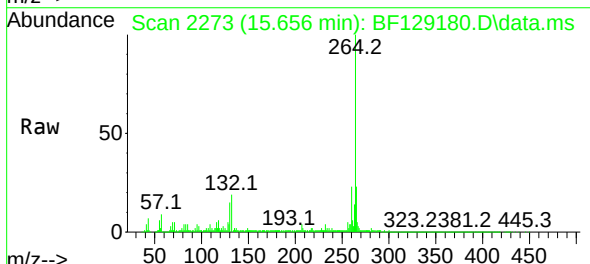
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Supervised By :mohammad
ahmed

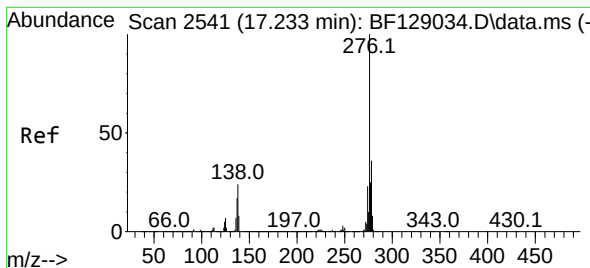
07/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.656 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Tgt Ion:264 Resp: 454007
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 23.1 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 19.410 ng

RT: 17.209 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF129180.D

Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

ClientSampleId :

SU-3-070722

Tgt Ion: 276 Resp: 54047

Ion	Ratio	Lower	Upper
276	100		
138	22.5	21.1	31.7
277	24.5	20.3	30.5

Manual Integrations

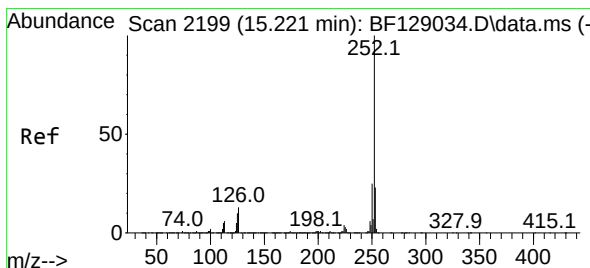
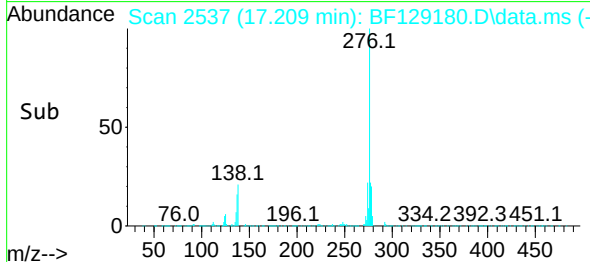
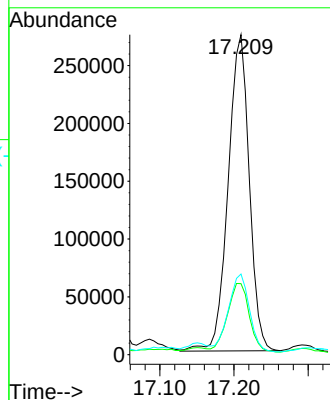
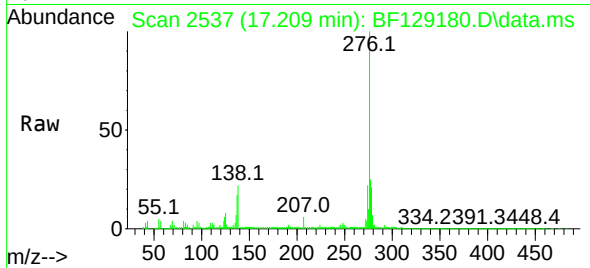
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Supervised By : mohammad ahmed 07/11/2022

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Supervised By : mohammad
ahmed

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#88

Benzo(b)fluoranthene

Concen: 45.713 ng m

RT: 15.204 min Scan# 2196

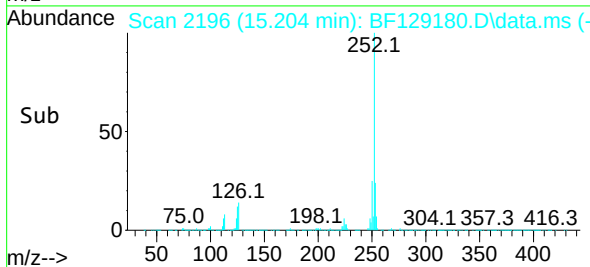
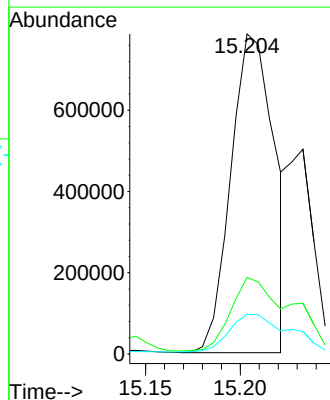
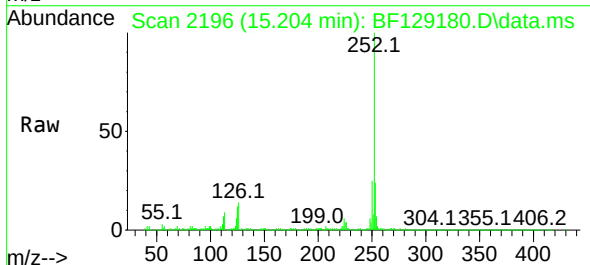
Delta R.T. 0.000 min

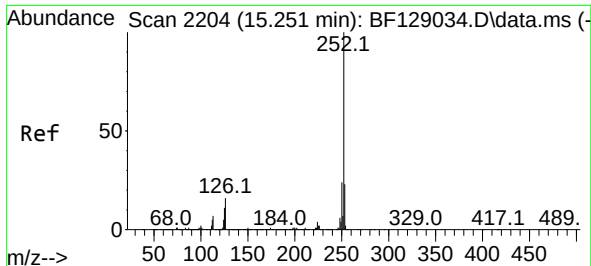
Lab File: BF129180.D

Acq: 08 Jul 2022 17:43

Tgt Ion: 252 Resp: 1248143

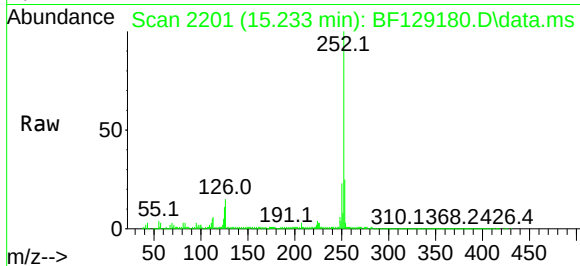
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	12.4	8.0	12.0





#89
Benzo(k)fluoranthene
Concen: 17.678 ng m
RT: 15.233 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :
BNA_F
ClientSampleId :
SU-3-070722



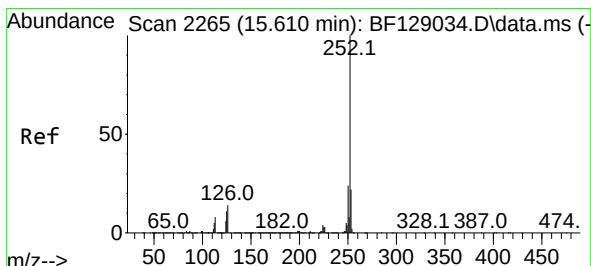
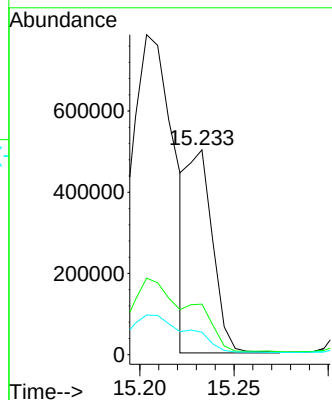
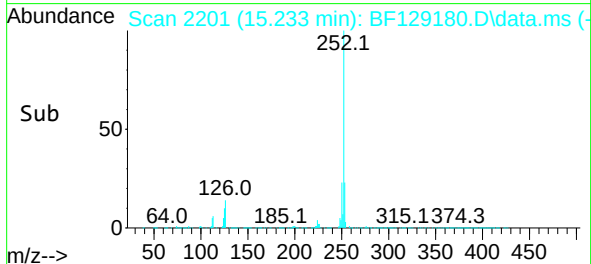
Tgt Ion:252 Resp: 468158
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 11.0 8.3 12.5

Manual Integrations
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Supervised By :mohammad ahmed 07/11/2022

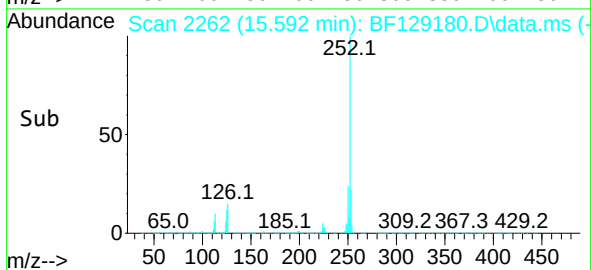
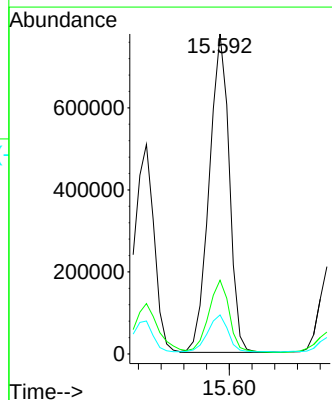
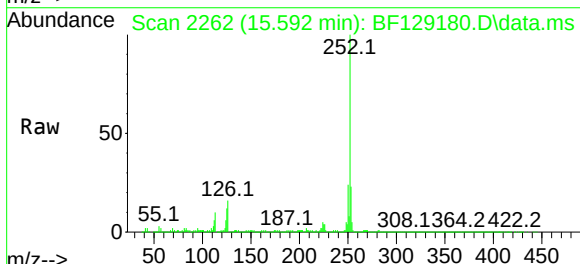
07/11/2022
Supervised By :mohammad
ahmed

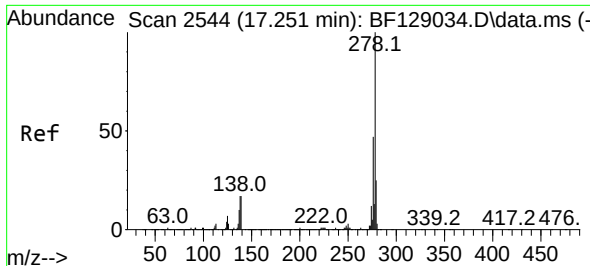
07/11/2022



#90
Benzo(a)pyrene
Concen: 42.767 ng
RT: 15.592 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Tgt Ion:252 Resp: 951931
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 12.2 8.8 13.2





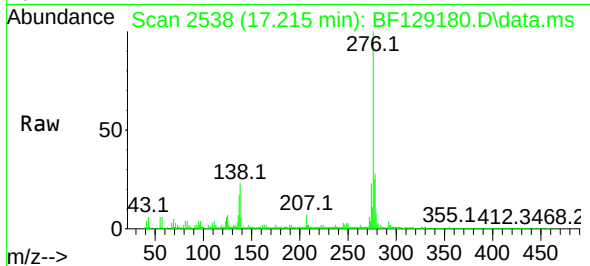
#91
Dibenzo(a,h)anthracene
Concen: 5.918 ng
RT: 17.215 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Instrument :

BNA_F

ClientSampleId :

SU-3-070722



Tgt Ion:278 Resp: 134334
Ion Ratio Lower Upper
278 100
139 22.2 12.8 19.2
279 29.9 18.6 28.0

Manual Integrations

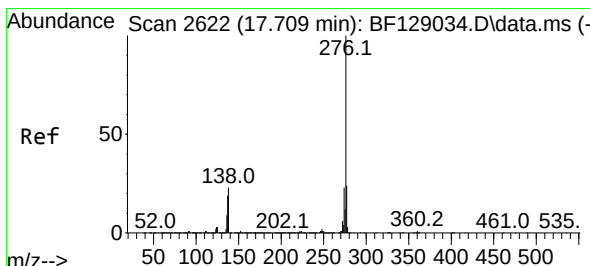
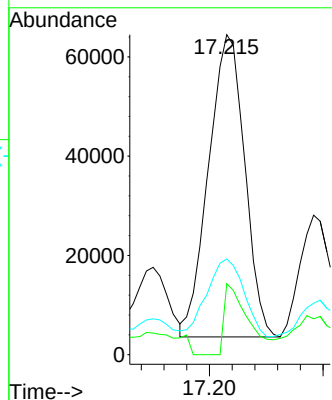
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Supervised By :mohammad ahmed 07/11/2022

07/11/2022

Supervised By :mohammad
ahmed

07/11/2022



#92
Benzo(g,h,i)perylene
Concen: 22.502 ng
RT: 17.680 min Scan# 2617
Delta R.T. -0.012 min
Lab File: BF129180.D
Acq: 08 Jul 2022 17:43

Tgt Ion:276 Resp: 512455
Ion Ratio Lower Upper
276 100
277 24.3 19.1 28.7
138 24.4 18.0 27.0

