

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136690.D
 Acq On : 22 Dec 2023 17:37
 Operator : CG\JU
 Sample : 05914-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/25/2023
 Supervised By :mohammad ahmed 12/25/2023

Supervised By :mohammad
 ahmed
 12/25/2023

Quant Time: Dec 22 18:20:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73336	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	273055	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	129026	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	212182	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	135083	20.000	ng	-0.01
86) Perylene-d12	15.433	264	156653	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	358992	76.379	ng	0.00
7) Phenol-d6	6.428	99	438053	71.927	ng	-0.01
23) Nitrobenzene-d5	7.340	82	277376	51.981	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	95789	63.037	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	529097	55.154	ng	-0.02
79) Terphenyl-d14	12.898	244	404390	41.835	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.328	178	35206	3.234	ng	97
75) Fluoranthene	12.522	202	82190	7.058	ng	98
78) Pyrene	12.751	202	72026	5.432	ng	98
81) Benzo(a)anthracene	13.945	228	35090	3.741	ng	94
83) Chrysene	13.980	228	36304	3.958	ng	96
88) Benzo(b)fluoranthene	14.998	252	46765m	4.470	ng	
90) Benzo(a)pyrene	15.368	252	34009	3.851	ng	100

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

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Misc :
ALS Vial : 4 Sample Multiplier: 1

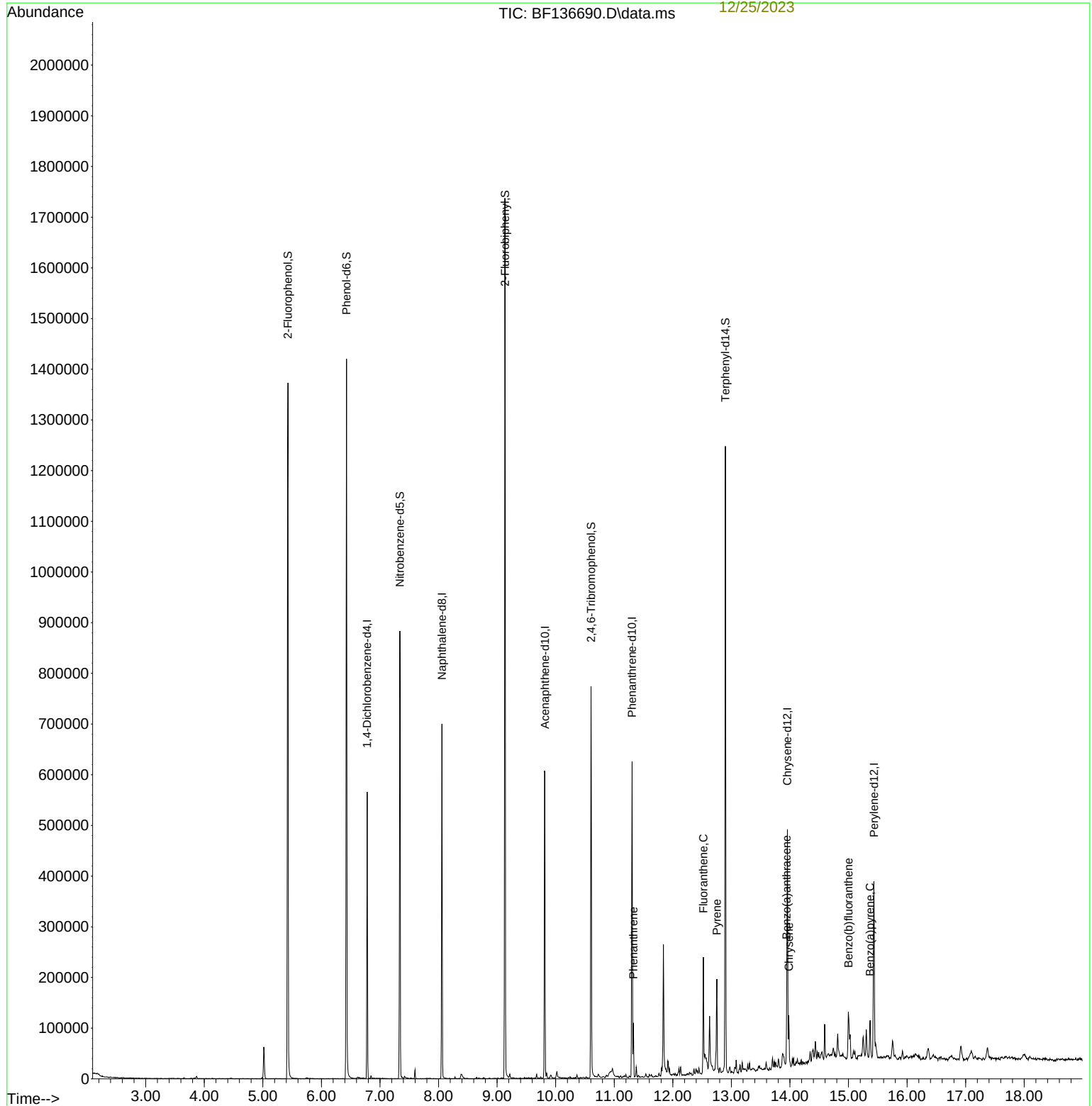
Instrument :
BNA_F
ClientSampleId :
72-12000

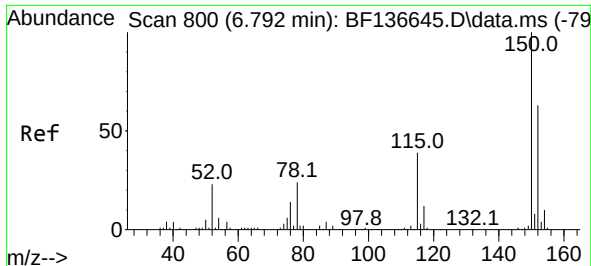
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ahmed
12/25/2023

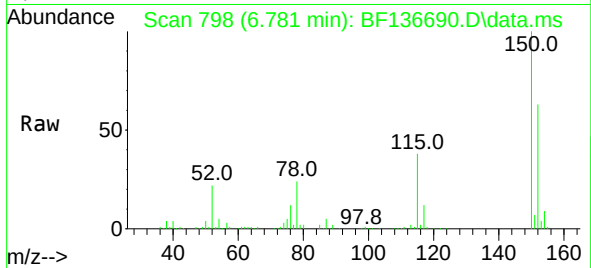
Quant Time: Dec 22 18:20:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

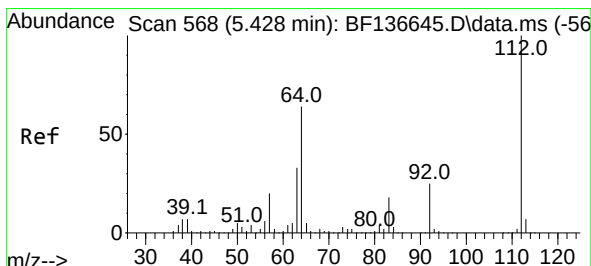
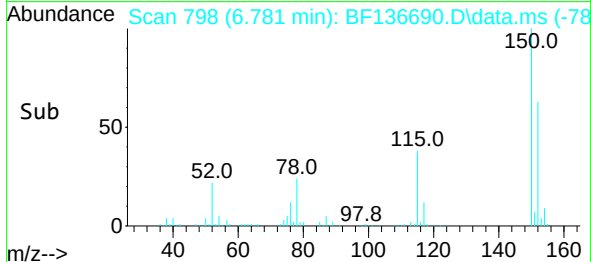
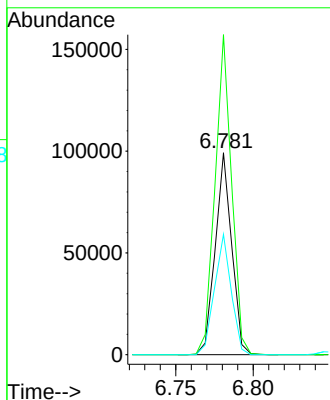


Tgt Ion:152 Resp: 73330
Ion Ratio Lower Upper
152 100
150 158.4 127.0 190.6
115 59.6 49.0 73.4

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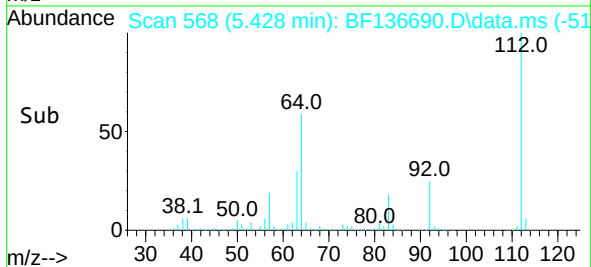
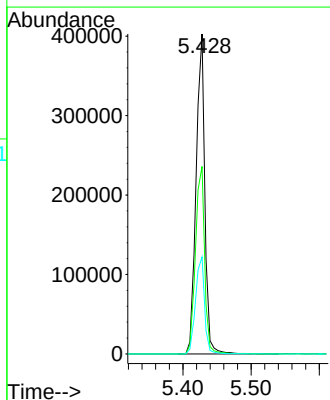
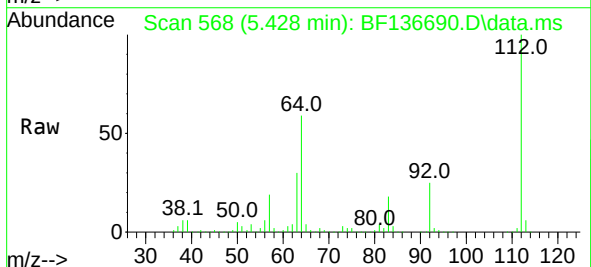
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

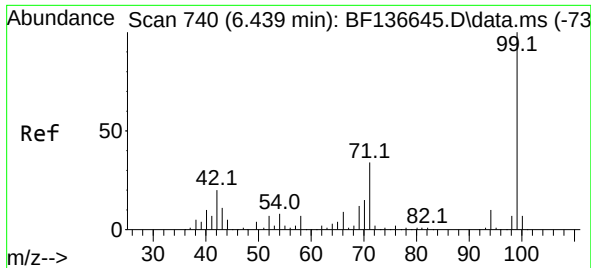
Supervised By :mohammad
ahmed
12/25/2023



#5
2-Fluorophenol
Concen: 76.379 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

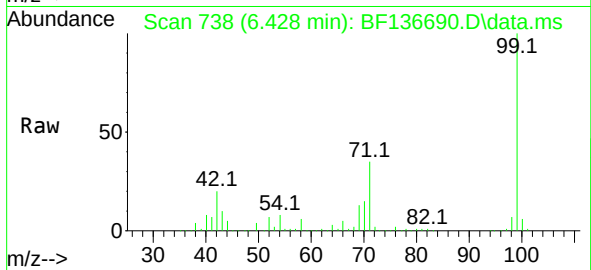
Tgt Ion:112 Resp: 358992
Ion Ratio Lower Upper
112 100
64 58.6 51.1 76.7
63 30.3 26.1 39.1





#7
Phenol-d6
Concen: 71.927 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

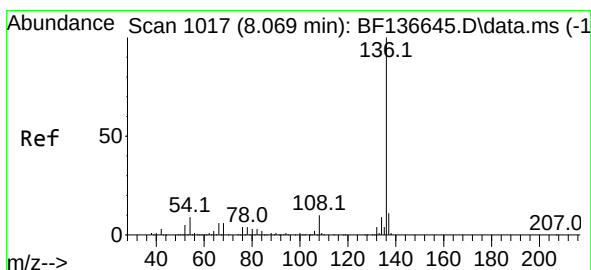
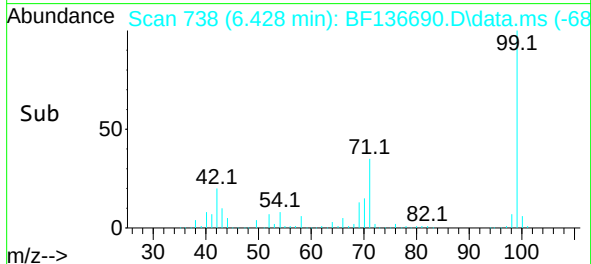
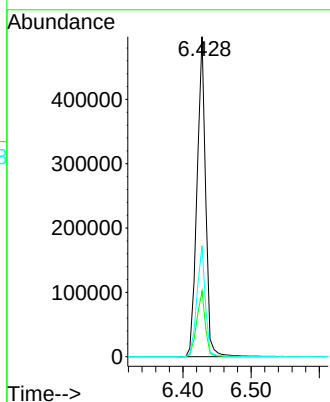


Tgt Ion: 99 Resp: 438055
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 34.7 27.4 41.2

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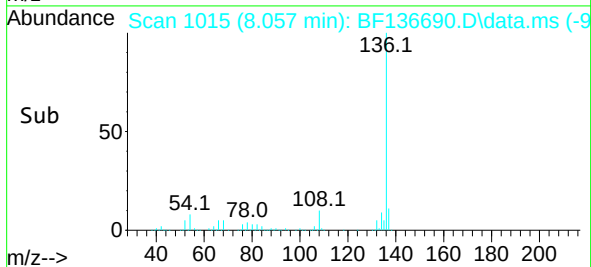
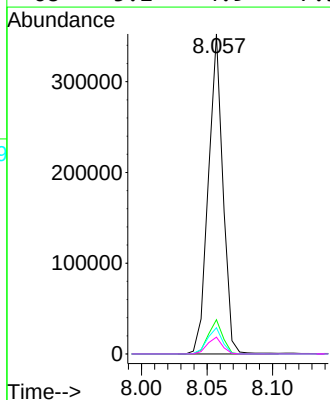
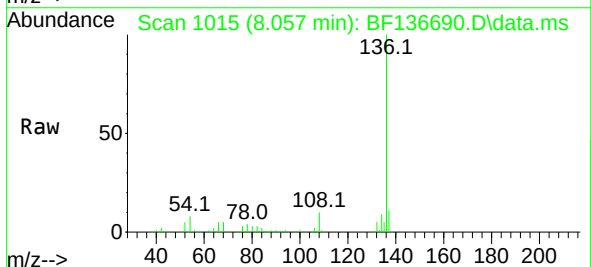
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Supervised By :mohammad ahmed 12/25/2023

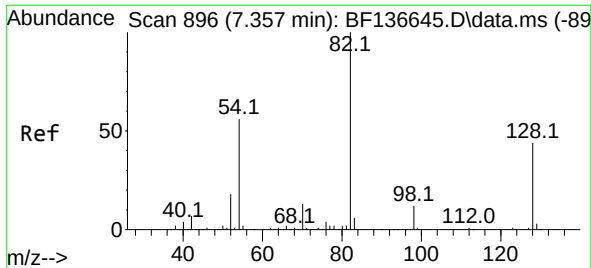
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion:136 Resp: 273055
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.2 7.2 10.8
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 51.981 ng

RT: 7.340 min Scan# 89

Delta R.T. -0.017 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

Instrument :

BNA_F

ClientSampleId :

72-12000

Tgt Ion: 82 Resp: 277370

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.3	52.9
54	55.4	44.5	66.7

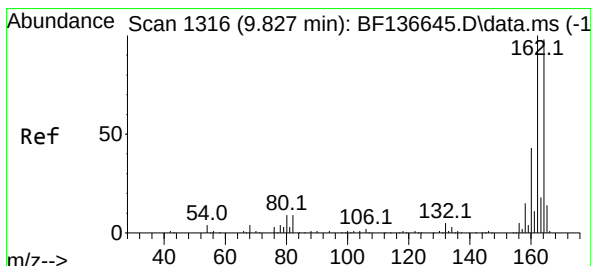
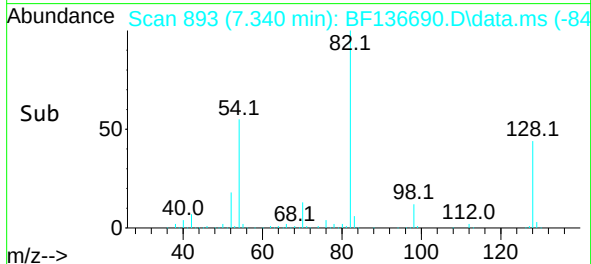
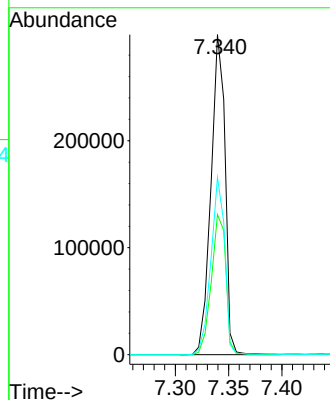
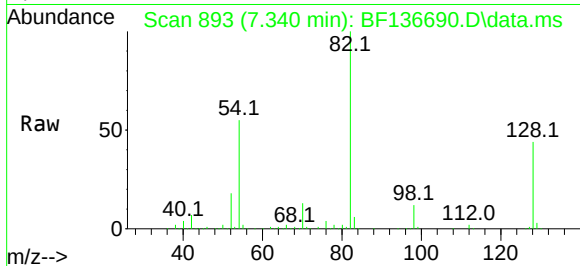
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ahmed
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

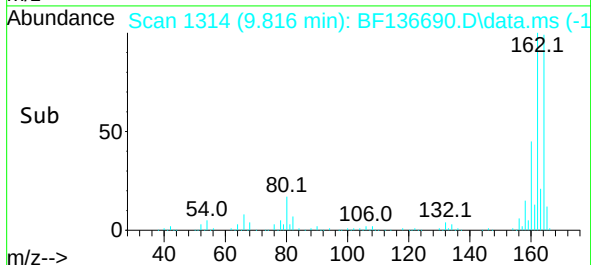
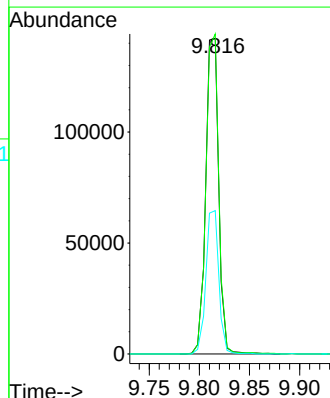
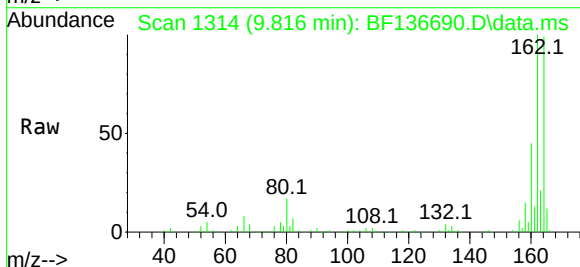
Delta R.T. -0.012 min

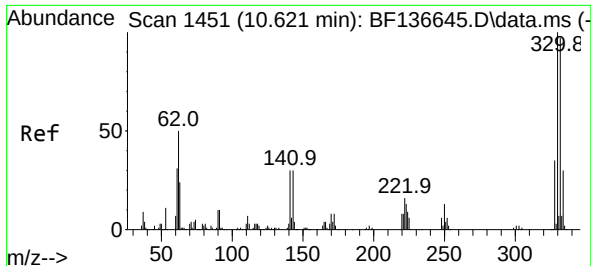
Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

Tgt Ion:164 Resp: 129026

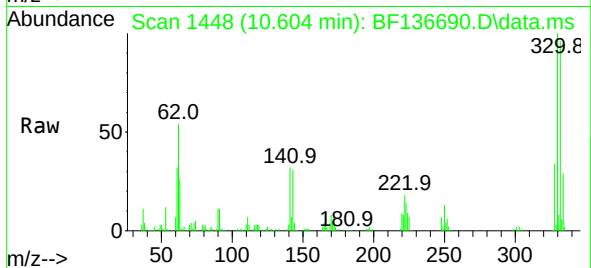
Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.6	122.4
160	45.4	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 63.037 ng
RT: 10.604 min Scan# 1451
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

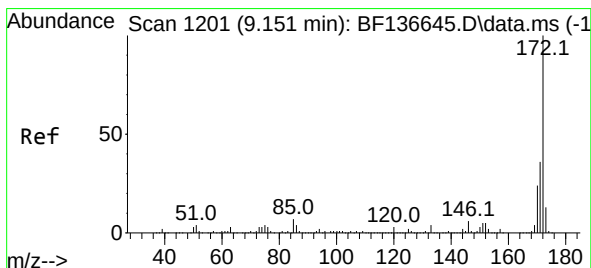
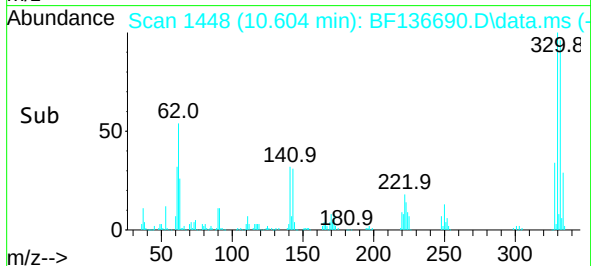
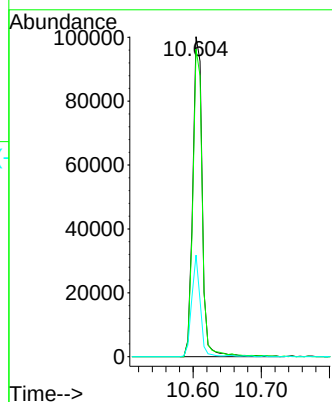


Tgt Ion: 330 Resp: 95789
Ion Ratio Lower Upper
330 100
332 96.1 77.4 116.0
141 28.6 23.4 35.2

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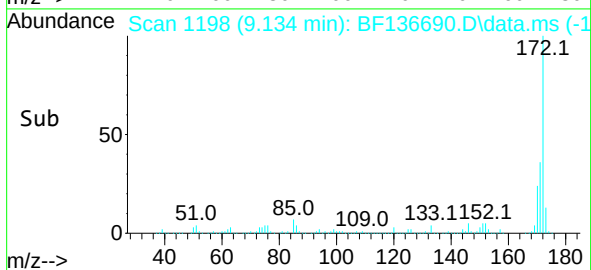
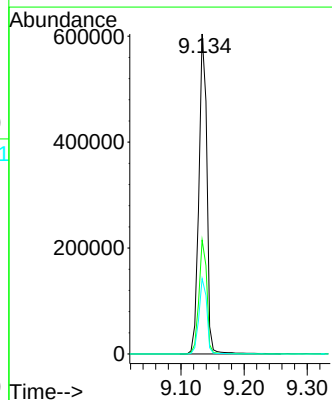
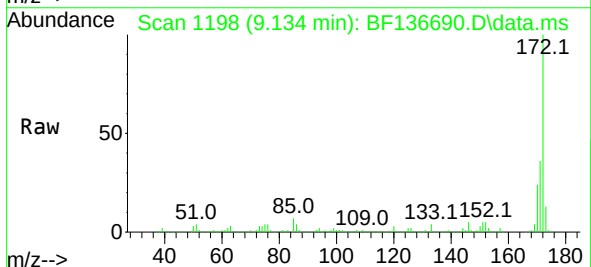
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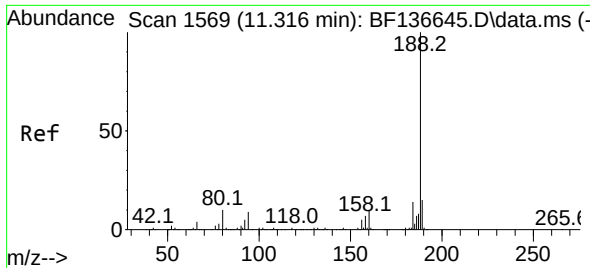
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#45
2-Fluorobiphenyl
Concen: 55.154 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion: 172 Resp: 529097
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.6
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

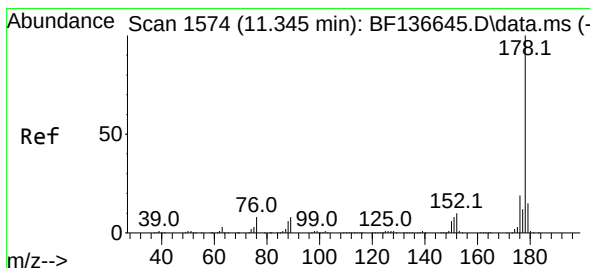
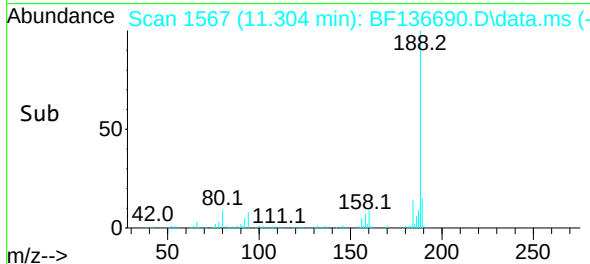
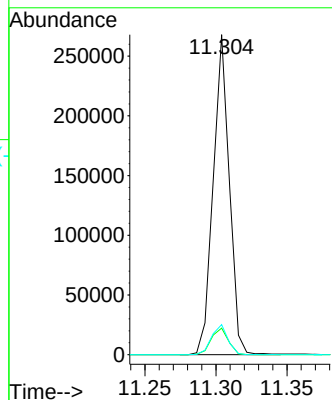
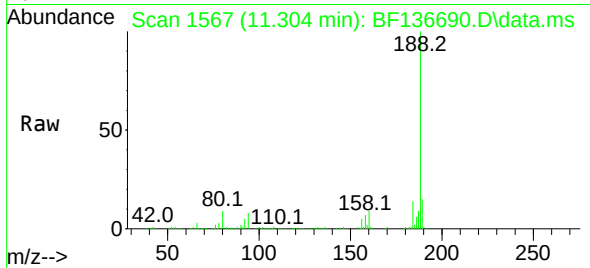
Instrument :
BNA_F
ClientSampleId :
72-12000

Tgt Ion:188 Resp: 21218
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.4 8.1 12.1

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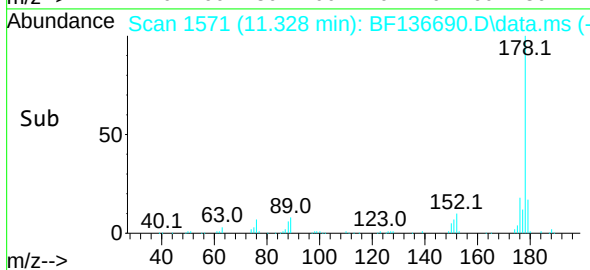
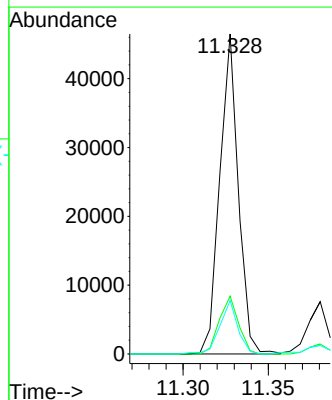
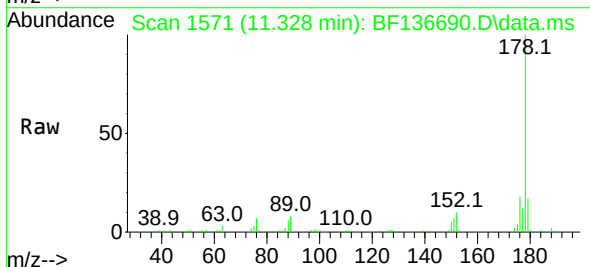
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Supervised By :mohammad ahmed 12/25/2023

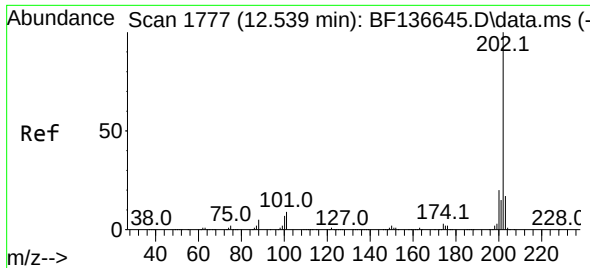
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#71
Phenanthrene
Concen: 3.234 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

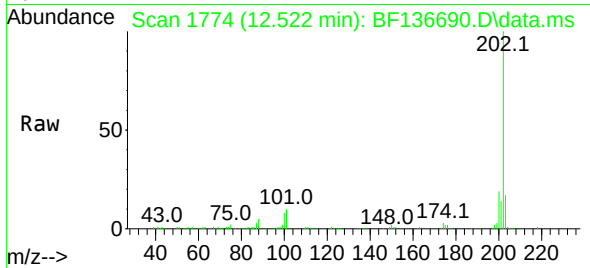
Tgt Ion:178 Resp: 35206
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 16.7 11.9 17.9





#75
Fluoranthene
Concen: 7.058 ng
RT: 12.522 min Scan# 1777
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

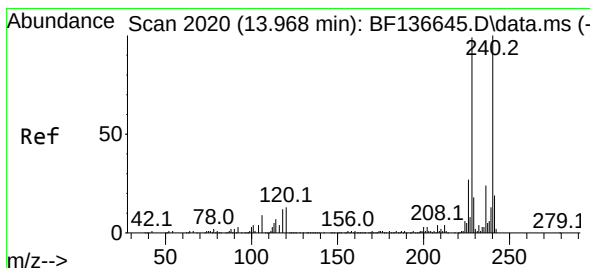
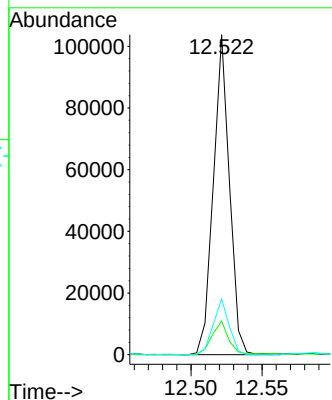


Tgt Ion:202 Resp: 82190
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.3
203 17.4 0.0 37.1

Manual Integrations
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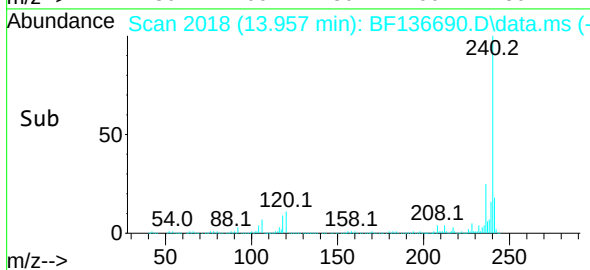
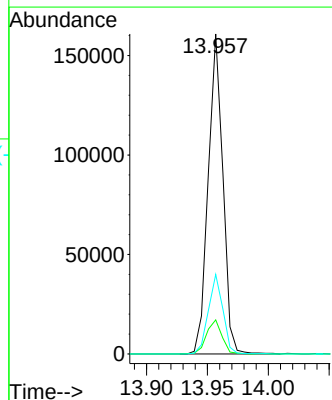
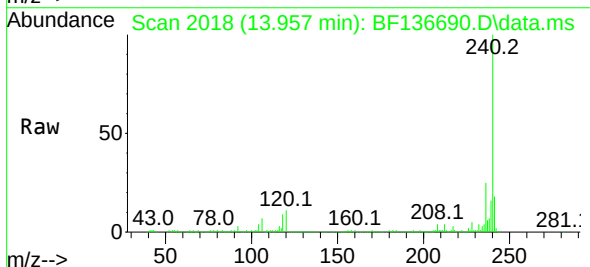
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Supervised By :mohammad ahmed 12/25/2023

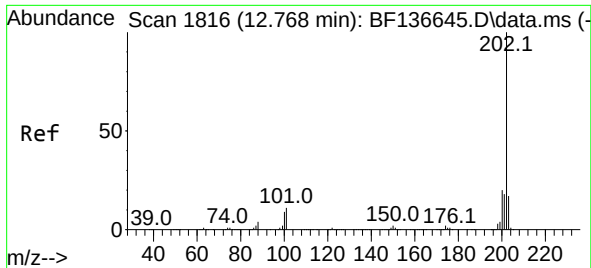
Supervised By :mohammad
ahmed
12/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

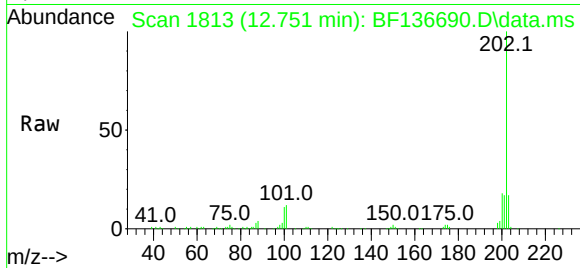
Tgt Ion:240 Resp: 135083
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 24.8 19.4 29.2





#78
Pyrene
Concen: 5.432 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

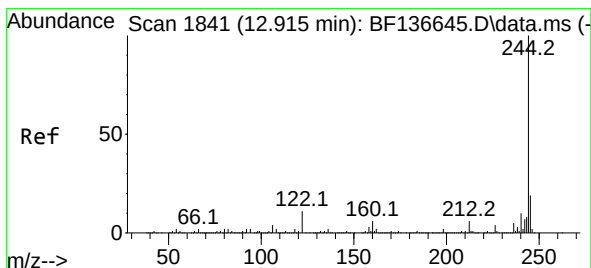
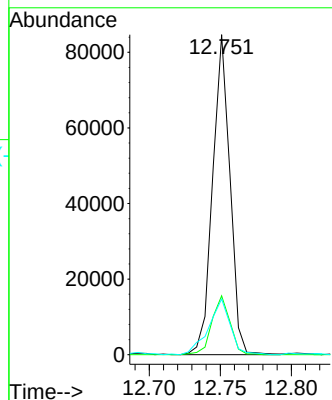


Tgt Ion:202 Resp: 72020
Ion Ratio Lower Upper
202 100
200 18.4 15.9 23.9
203 17.4 13.8 20.6

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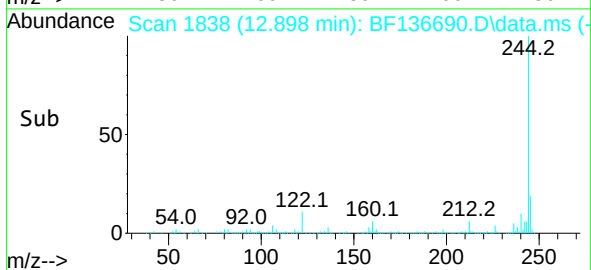
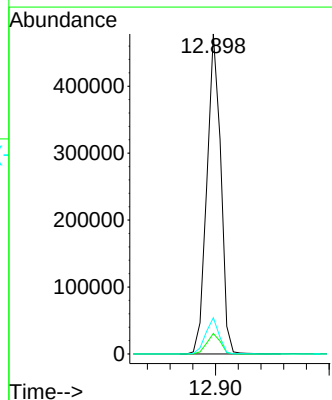
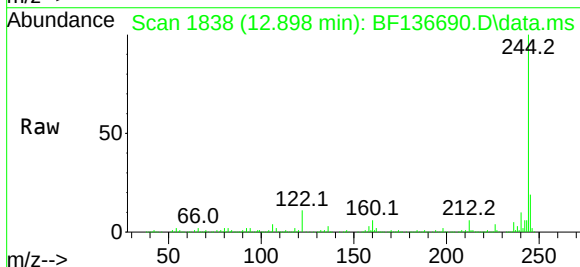
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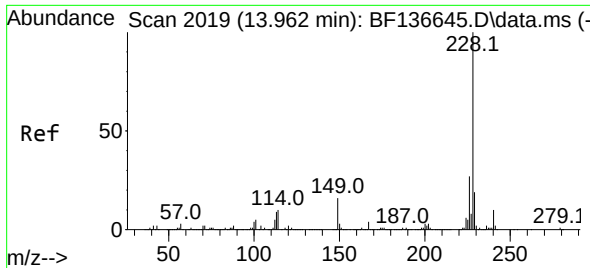
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ahmed
12/25/2023



#79
Terphenyl-d14
Concen: 41.835 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

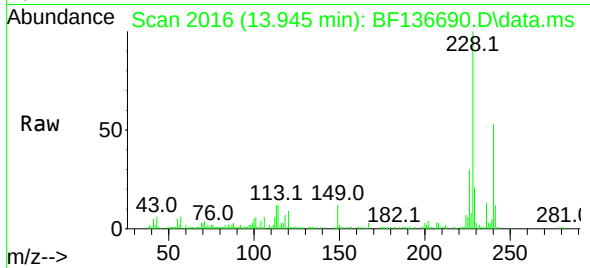
Tgt Ion:244 Resp: 404390
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 11.3 9.0 13.4





#81
Benzo(a)anthracene
Concen: 3.741 ng
RT: 13.945 min Scan# 2019
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

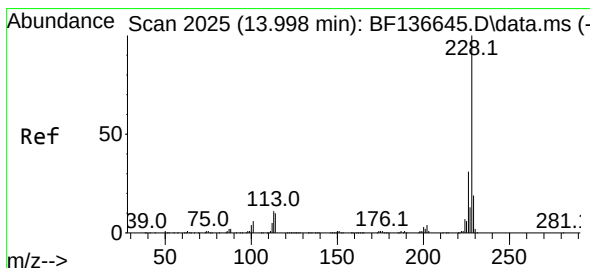
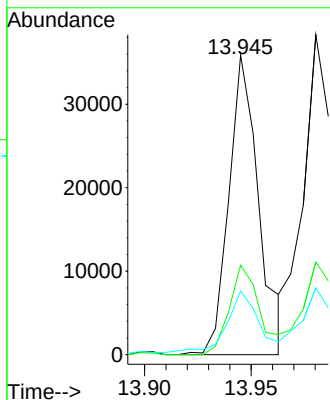
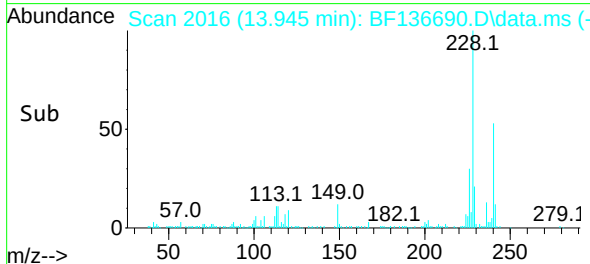


Tgt Ion:228 Resp: 35090
Ion Ratio Lower Upper
228 100
226 29.9 21.4 32.0
229 21.3 14.9 22.3

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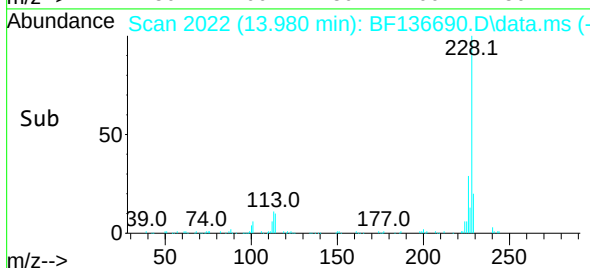
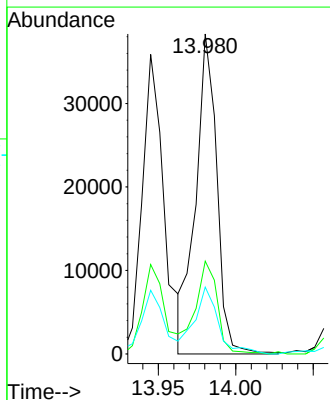
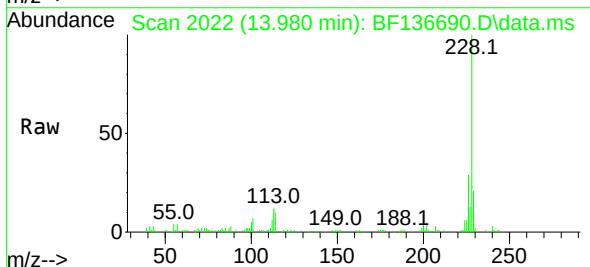
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

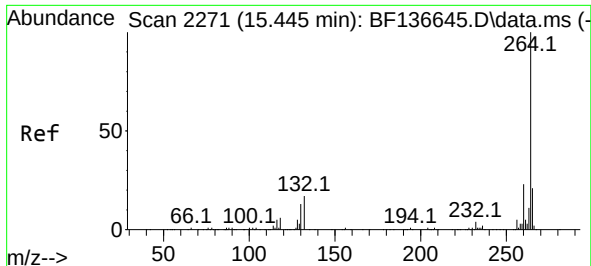
Supervised By :mohammad
ahmed
12/25/2023



#83
Chrysene
Concen: 3.958 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

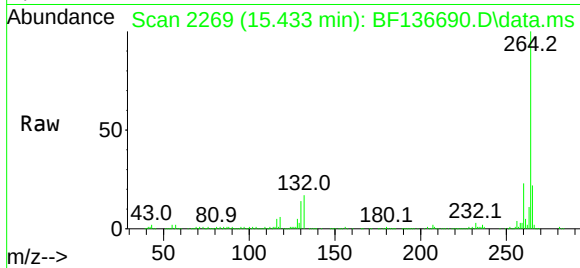
Tgt Ion:228 Resp: 36304
Ion Ratio Lower Upper
228 100
226 29.0 24.7 37.1
229 20.9 15.4 23.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

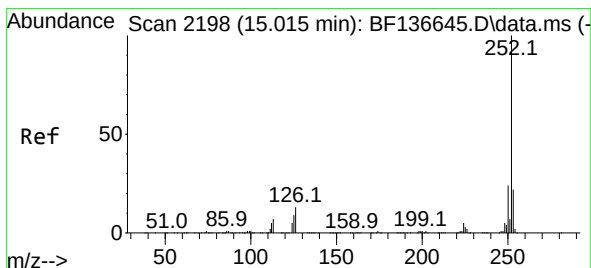
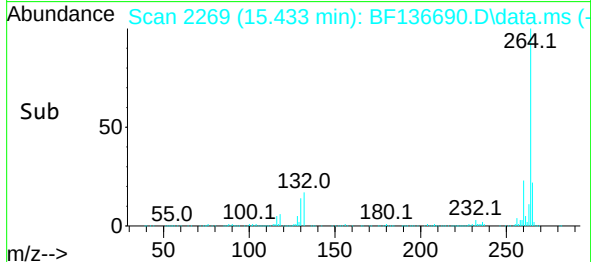
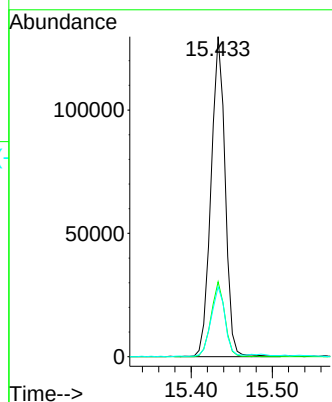


Tgt Ion:264 Resp: 15665
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 21.8 17.0 25.6

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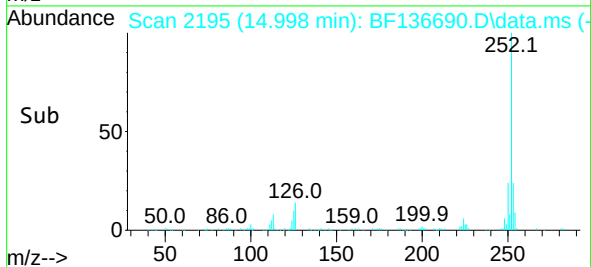
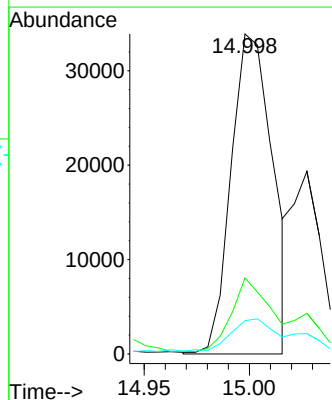
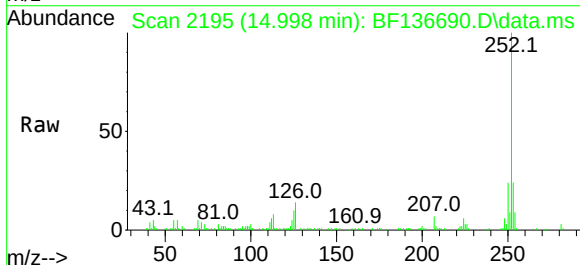
Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023

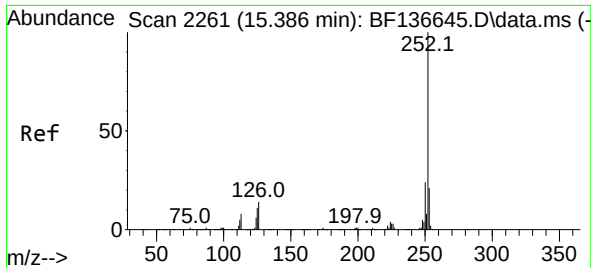
Supervised By :mohammad
ahmed
12/25/2023



#88
Benzo(b)fluoranthene
Concen: 4.470 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

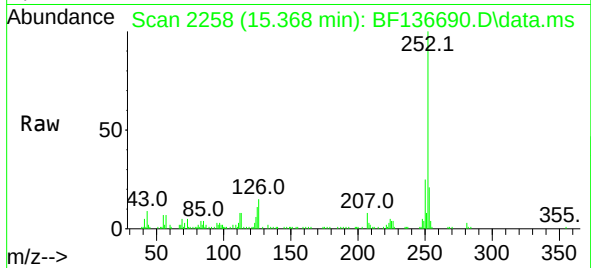
Tgt Ion:252 Resp: 46765
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 10.4 7.4 11.2





#90
Benzo(a)pyrene
Concen: 3.851 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

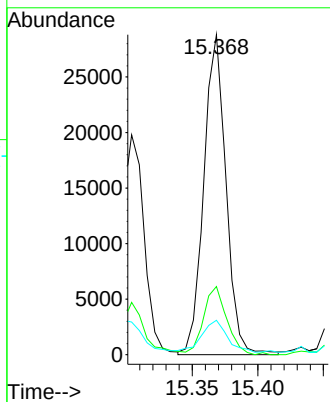
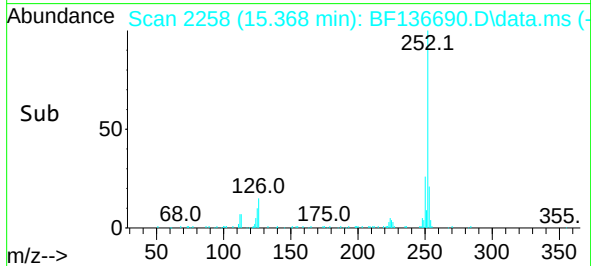
Instrument :
BNA_F
ClientSampleId :
72-12000



Tgt Ion:252 Resp: 34009
Ion Ratio Lower Upper
252 100
253 21.3 17.0 25.6
125 10.7 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/25/2023
Supervised By :mohammad ahmed 12/25/2023



Supervised By :mohammad
ahmed
12/25/2023