

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136390.D
 Acq On : 04 Dec 2023 19:34
 Operator : CG\JU
 Sample : 05521-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/05/2023
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 05 00:36:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	115052	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	443119	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	197186	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	330618	20.000	ng	0.00
76) Chrysene-d12	13.980	240	277650	20.000	ng	0.00
86) Perylene-d12	15.468	264	219512	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	569856	68.939	ng	0.00
7) Phenol-d6	6.440	99	695216	67.264	ng	0.00
23) Nitrobenzene-d5	7.363	82	403306	48.095	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	160846	66.720	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	739855	47.925	ng	0.00
79) Terphenyl-d14	12.922	244	805928	33.482	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	66144	3.560	ng	98
75) Fluoranthene	12.545	202	143192	7.591	ng	93
78) Pyrene	12.775	202	172594	5.676	ng	95
81) Benzo(a)anthracene	13.969	228	72533	3.517	ng	97
83) Chrysene	14.004	228	66404m	3.335	ng	
87) Indeno(1,2,3-cd)pyrene	16.962	276	17964	3.713	ng	# 93
88) Benzo(b)fluoranthene	15.027	252	57661m	3.744	ng	
90) Benzo(a)pyrene	15.398	252	36315	2.885	ng	# 91
91) Dibenzo(a,h)anthracene	16.986	278	5334	3.096	ng	# 83
92) Benzo(g,h,i)perylene	17.421	276	17477	3.171	ng	97

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

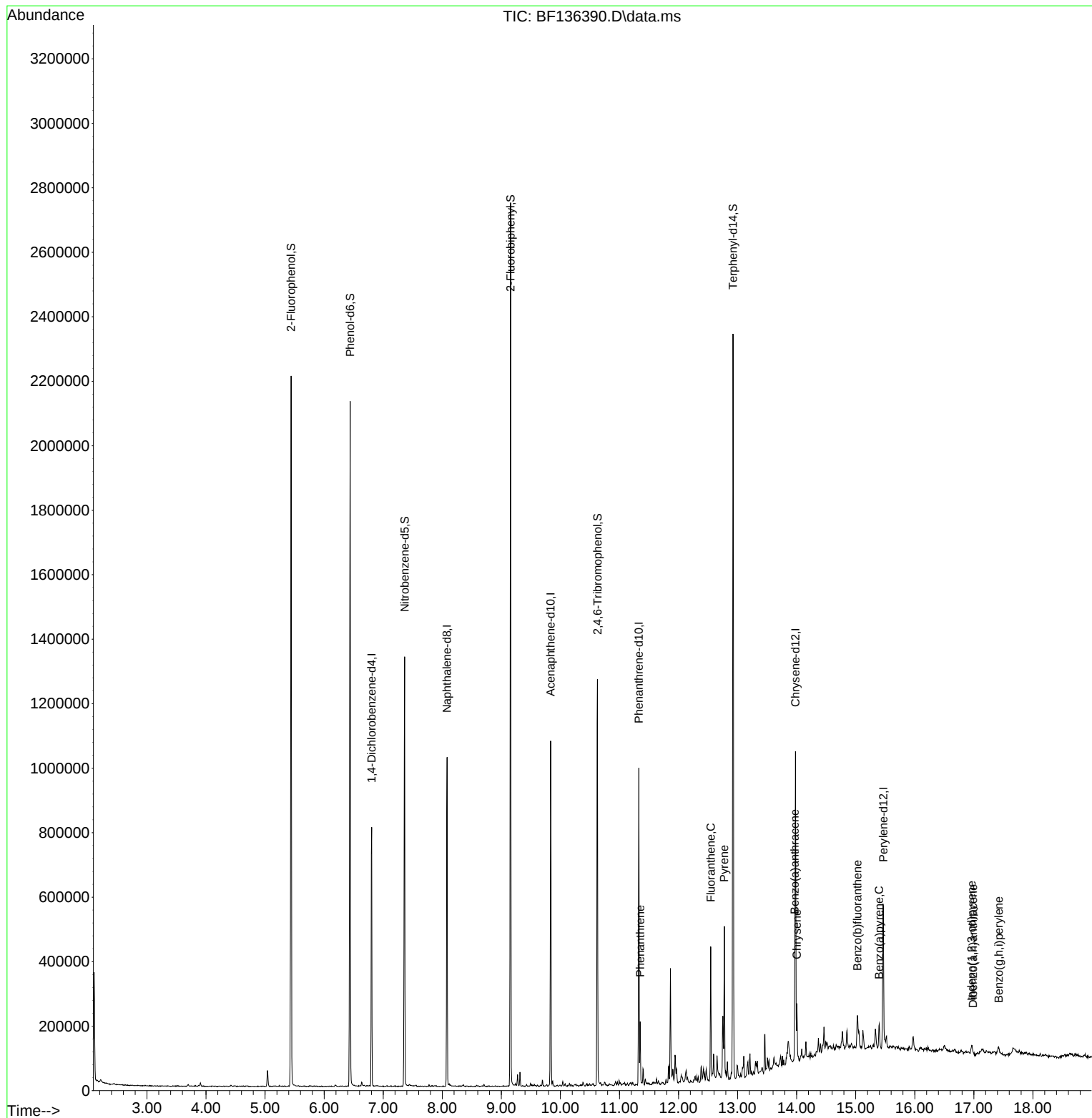
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
Data File : BF136390.D
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ALS Vial : 17 Sample Multiplier: 1

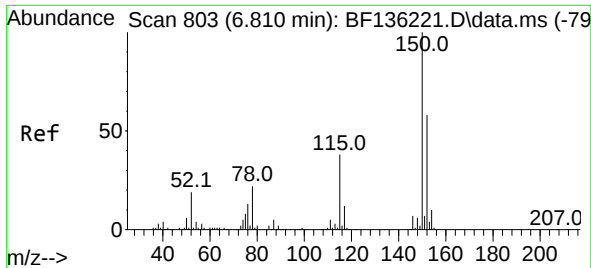
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

Quant Time: Dec 05 00:36:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

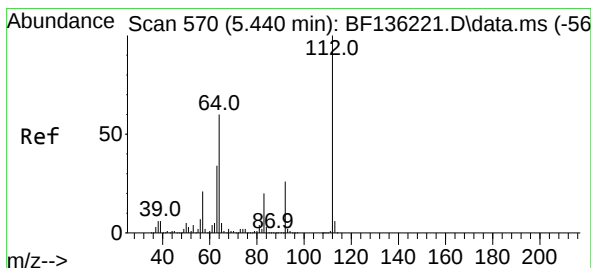
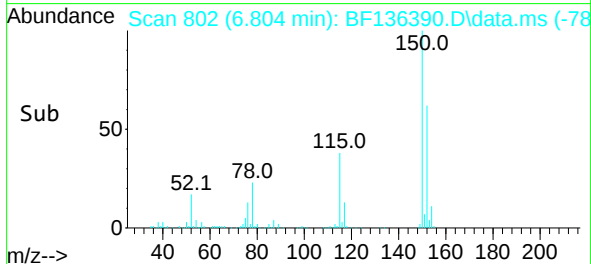
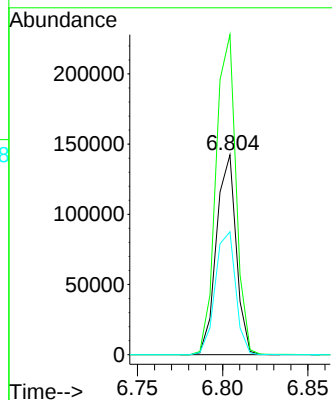
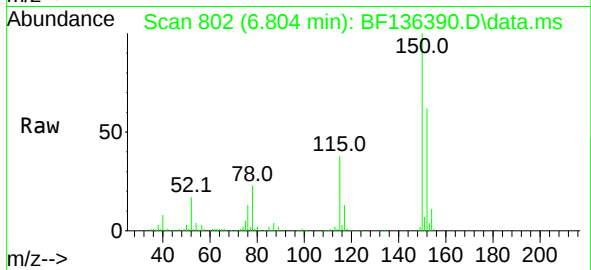
SP-3-COMP

Tgt Ion:152 Resp: 115052
Ion Ratio Lower Upper
152 100
150 160.1 137.8 206.8
115 61.4 52.7 79.1

Manual Integrations

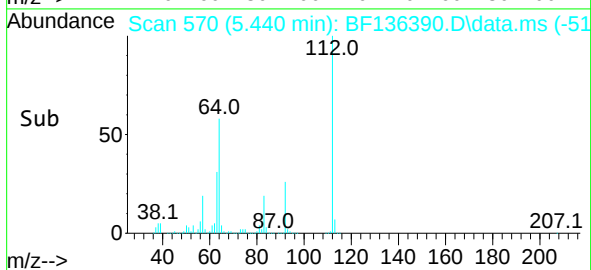
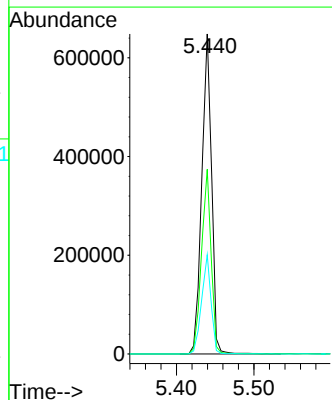
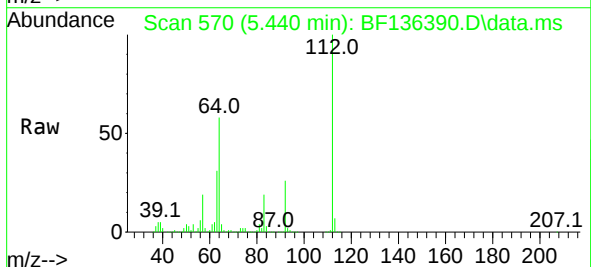
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#5
2-Fluorophenol
Concen: 68.939 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

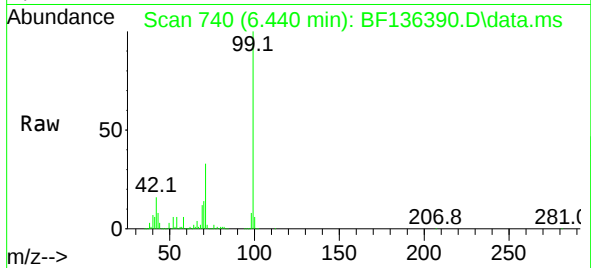
Tgt Ion:112 Resp: 569856
Ion Ratio Lower Upper
112 100
64 57.7 48.2 72.4
63 31.0 27.0 40.6





#7
Phenol-d6
Concen: 67.264 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

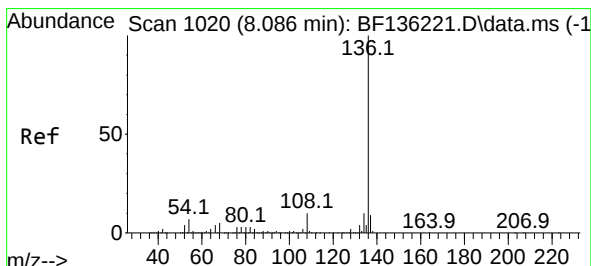
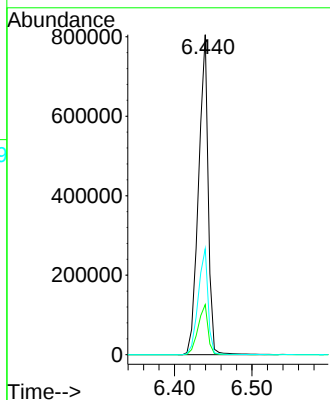
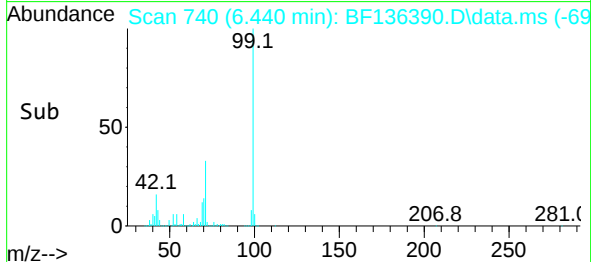
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP



Tgt Ion: 99 Resp: 695210
Ion Ratio Lower Upper
99 100
42 15.7 15.0 22.6
71 33.1 28.9 43.3

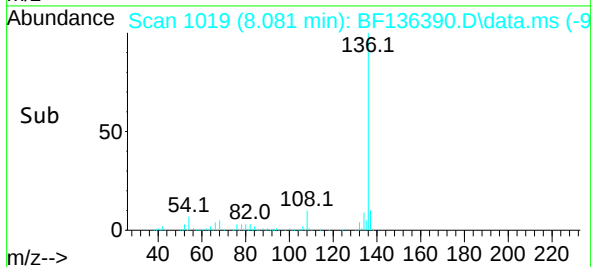
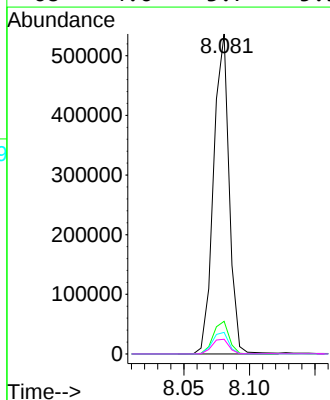
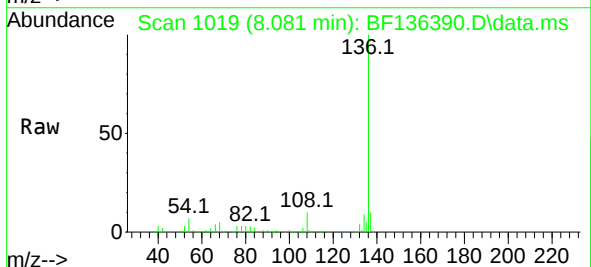
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Supervised By :mohammad ahmed 12/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:136 Resp: 443119
Ion Ratio Lower Upper
136 100
137 10.2 7.4 11.2
54 6.8 5.5 8.3
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 48.095 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

Tgt Ion: 82 Resp: 403300

Ion Ratio Lower Upper

82 100

128 46.2 33.4 50.2

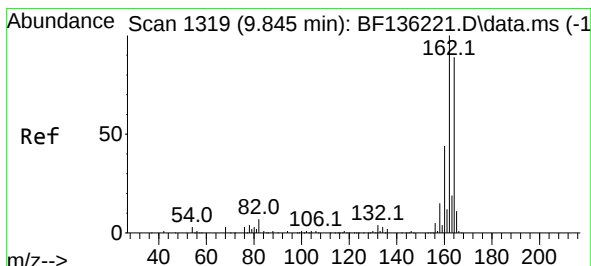
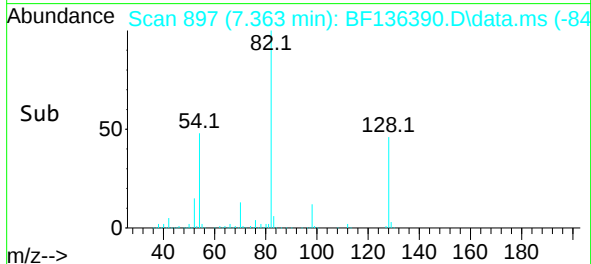
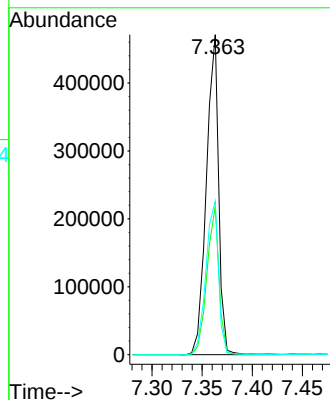
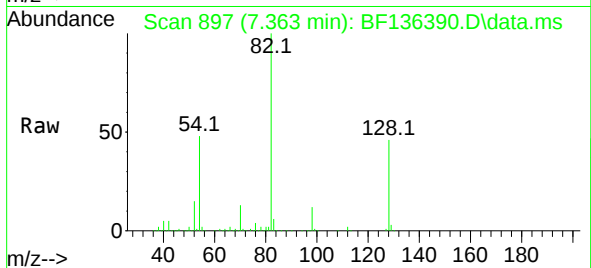
54 48.0 41.7 62.5

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Supervised By :mohammad ahmed 12/05/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

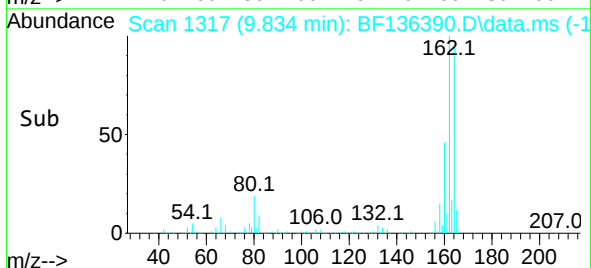
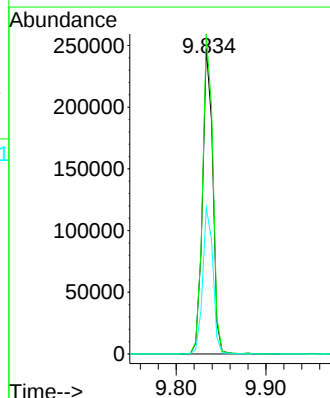
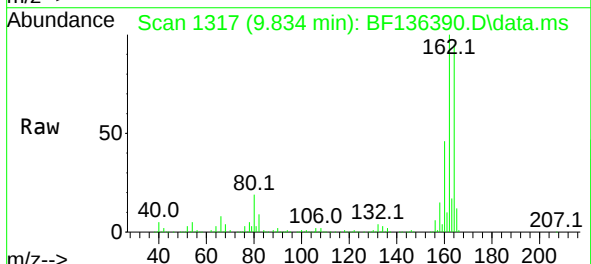
Tgt Ion:164 Resp: 197186

Ion Ratio Lower Upper

164 100

162 104.8 89.5 134.3

160 47.9 39.6 59.4





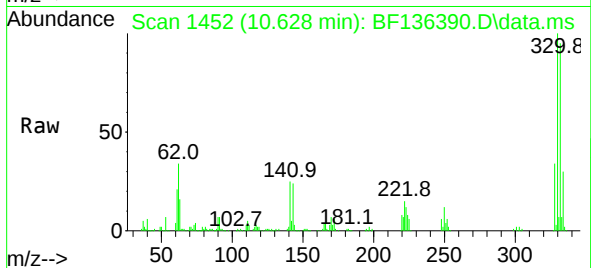
#42
2,4,6-Tribromophenol
Concen: 66.720 ng
RT: 10.628 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

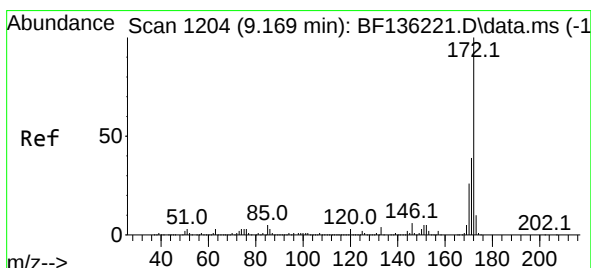
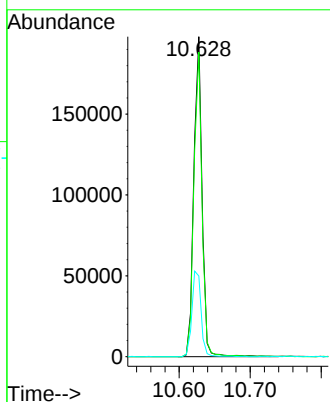
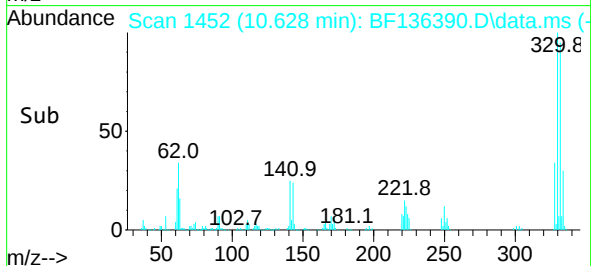


Tgt Ion:330 Resp: 160840
Ion Ratio Lower Upper
330 100
332 94.0 73.0 109.6
141 29.9 24.2 36.2

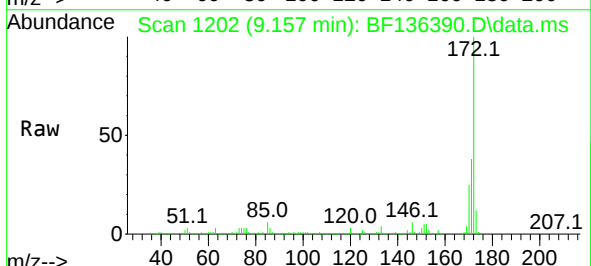
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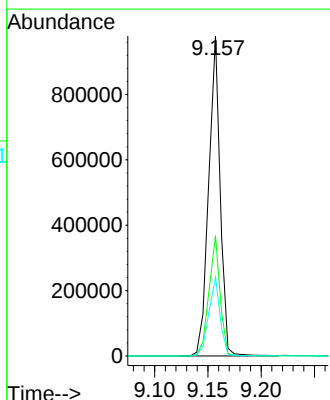
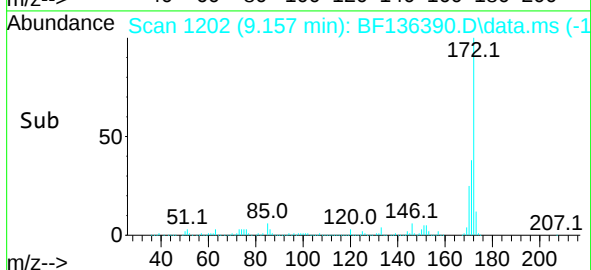
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#45
2-Fluorobiphenyl
Concen: 47.925 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34



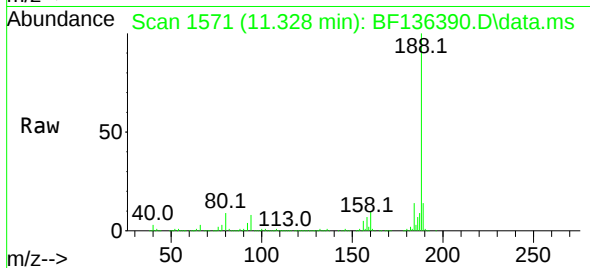
Tgt Ion:172 Resp: 739855
Ion Ratio Lower Upper
172 100
171 37.5 31.5 47.3
170 24.6 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

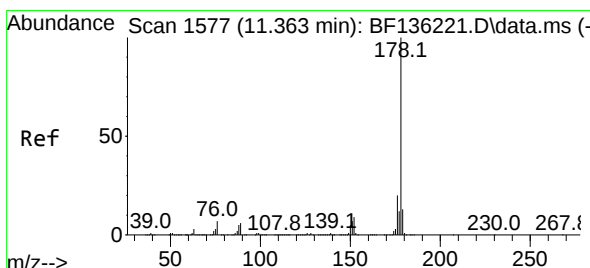
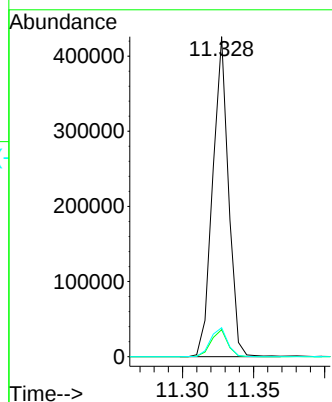
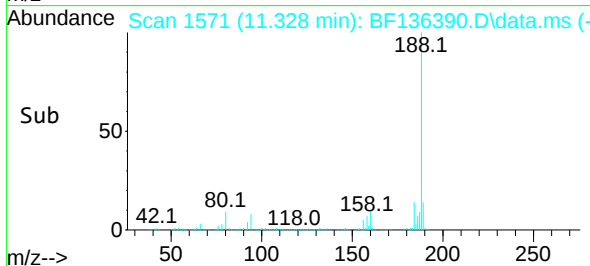
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP



Tgt Ion:188 Resp: 330618
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 9.1 7.2 10.8

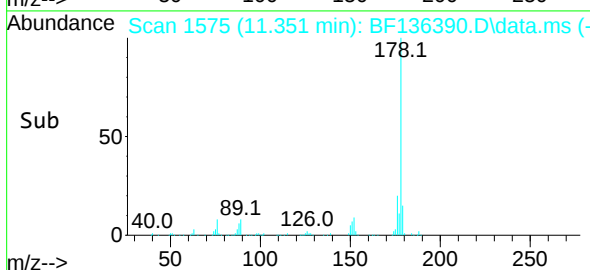
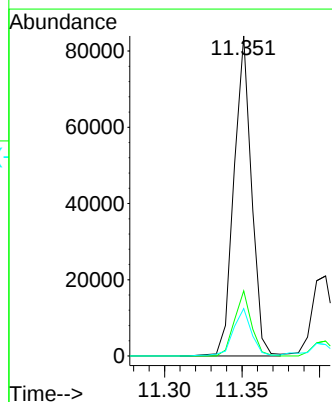
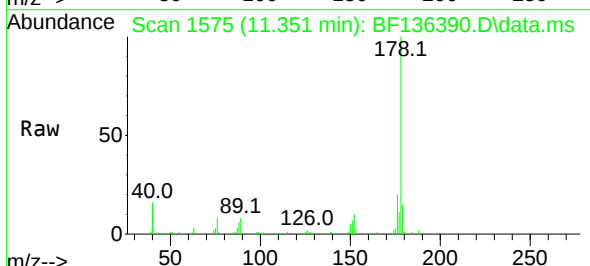
Manual Integrations
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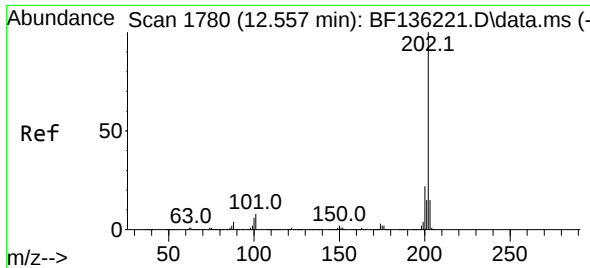
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#71
Phenanthrene
Concen: 3.560 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

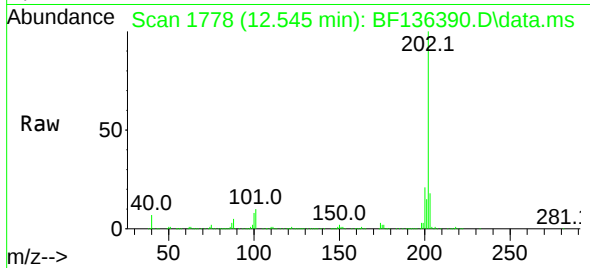
Tgt Ion:178 Resp: 66144
Ion Ratio Lower Upper
178 100
176 20.3 16.2 24.2
179 14.8 10.3 15.5





#75
Fluoranthene
Concen: 7.591 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

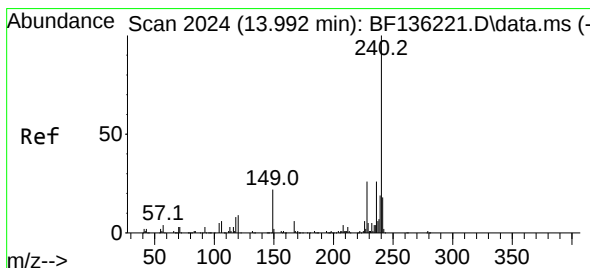
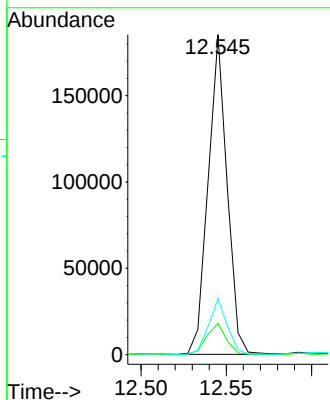
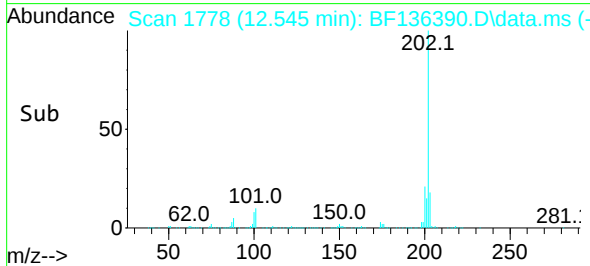
Instrument :
BNA_F
ClientSampleId :
SP-3-COMP



Tgt Ion:202 Resp: 143192
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.8
203 17.6 0.0 34.5

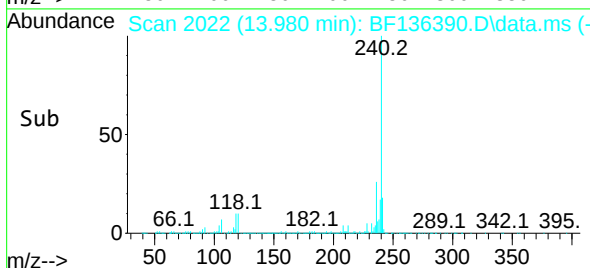
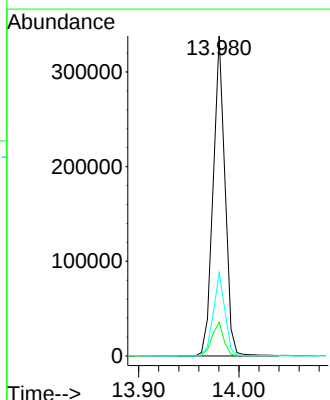
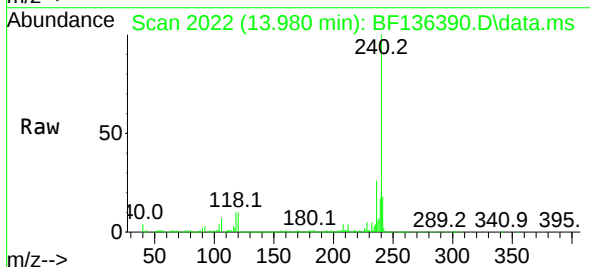
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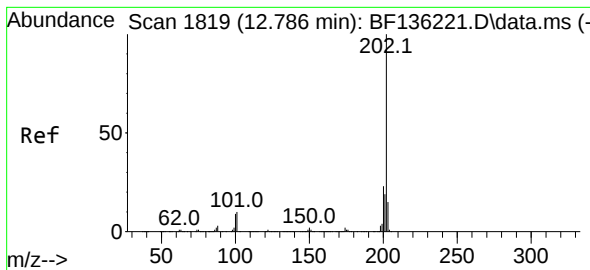
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:240 Resp: 277650
Ion Ratio Lower Upper
240 100
120 10.5 7.4 11.2
236 26.1 21.1 31.7





#78

Pyrene

Concen: 5.676 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

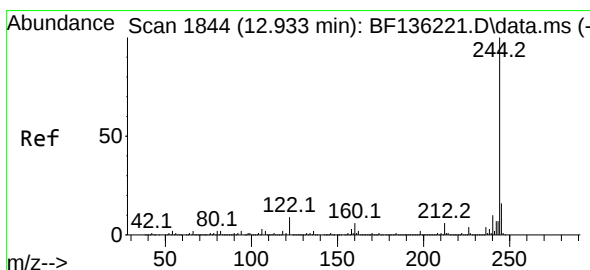
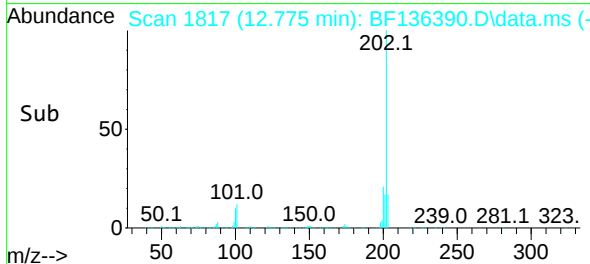
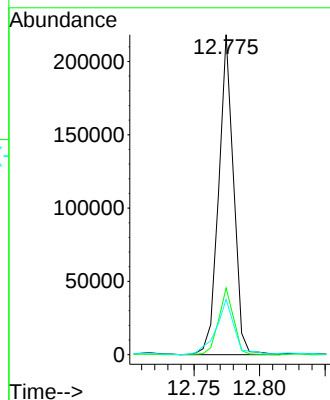
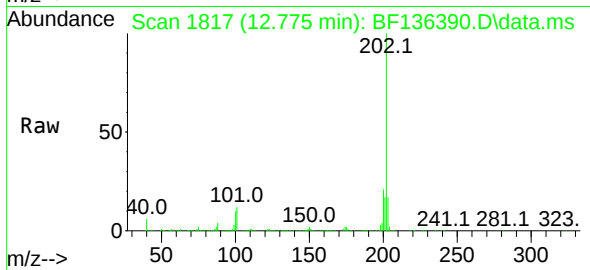
Tgt Ion:	202	Resp:	172594
Ion Ratio	Lower	Upper	
202	100		
200	20.9	18.4	27.6
203	17.3	11.8	17.6

Manual Integrations

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Supervised By :mohammad ahmed 12/05/2023



#79

Terphenyl-d14

Concen: 33.482 ng

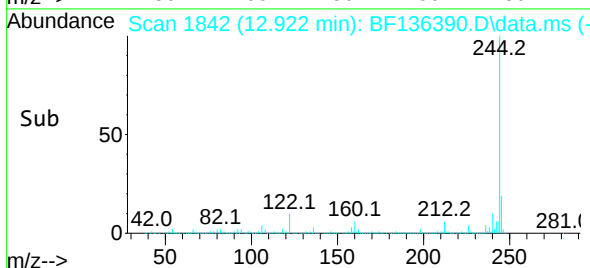
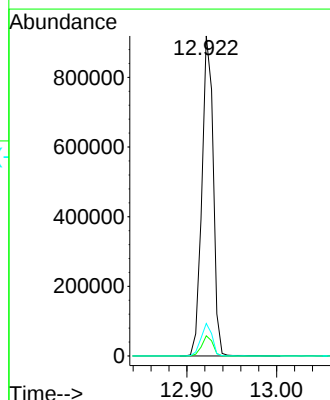
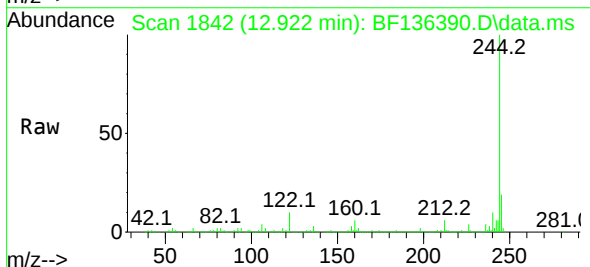
RT: 12.922 min Scan# 1842

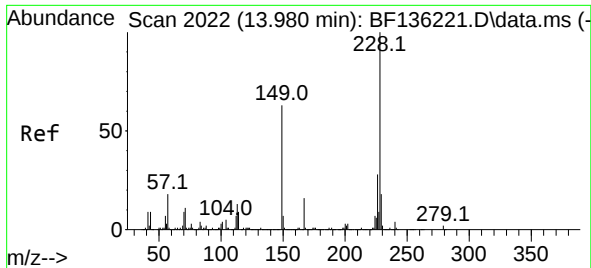
Delta R.T. -0.006 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Tgt Ion:	244	Resp:	805928
Ion Ratio	Lower	Upper	
244	100		
212	6.3	4.6	7.0
122	10.2	7.3	10.9





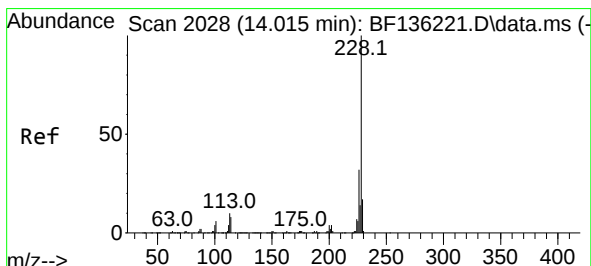
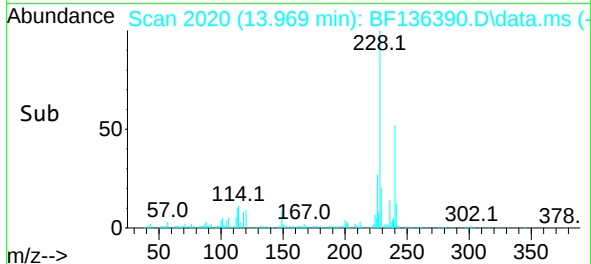
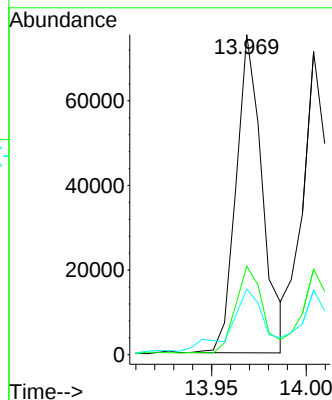
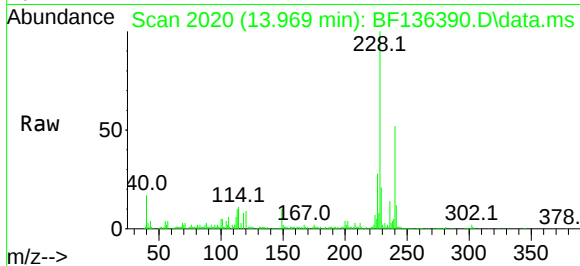
#81
Benzo(a)anthracene
Concen: 3.517 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :
BNA_F
ClientSampleId :
SP-3-COMP

Tgt Ion:228 Resp: 7253
Ion Ratio Lower Upper
228 100
226 27.6 22.6 34.0
229 20.6 14.0 21.0

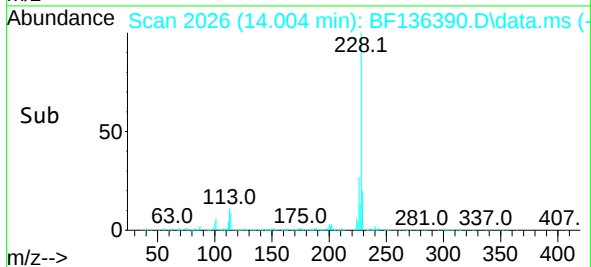
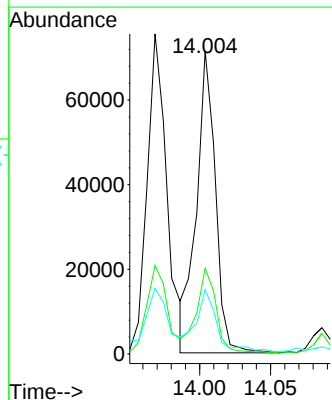
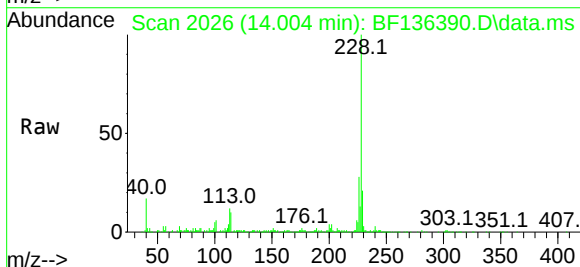
Manual Integrations
APPROVED

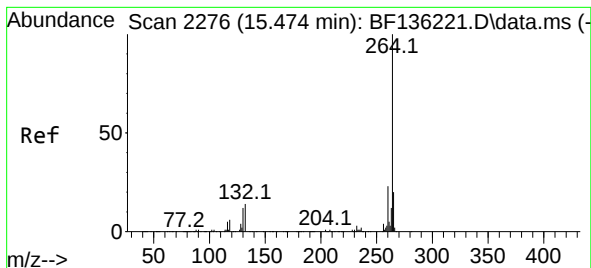
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#83
Chrysene
Concen: 3.335 ng m
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:228 Resp: 66404
Ion Ratio Lower Upper
228 100
226 28.2 25.5 38.3
229 21.3 13.9 20.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 21951
Delta R.T. 0.012 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

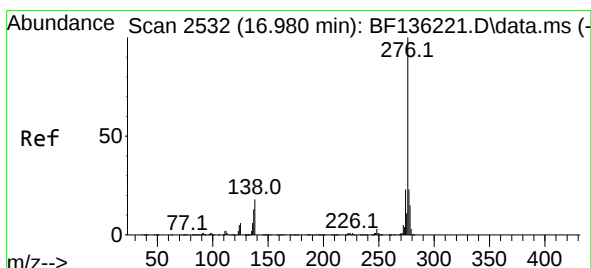
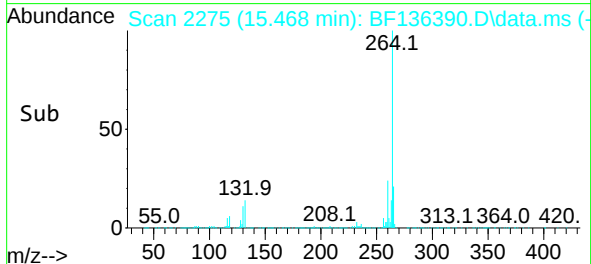
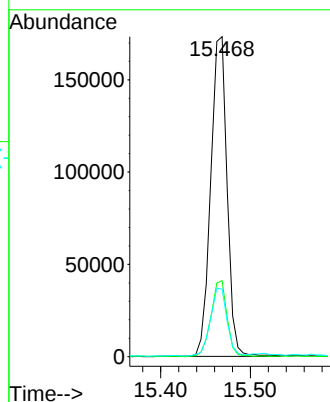
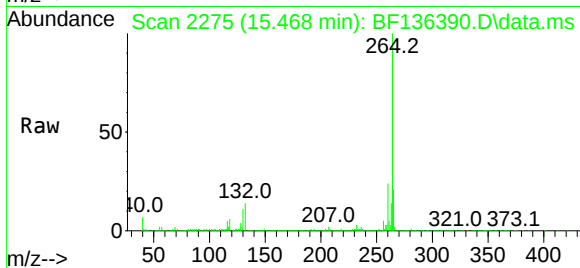
SP-3-COMP

Tgt Ion:264 Resp: 21951
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 21.1 15.7 23.5

Manual Integrations

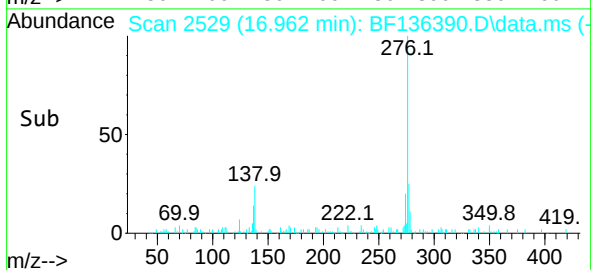
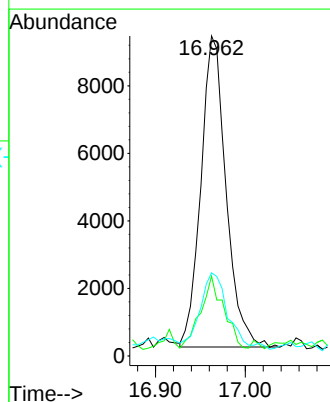
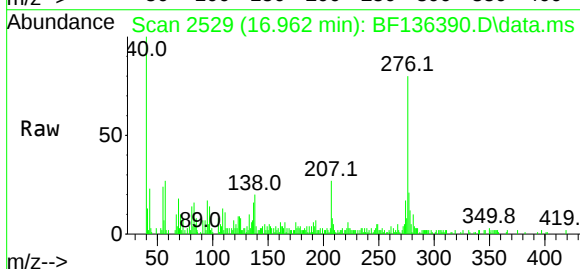
APPROVED

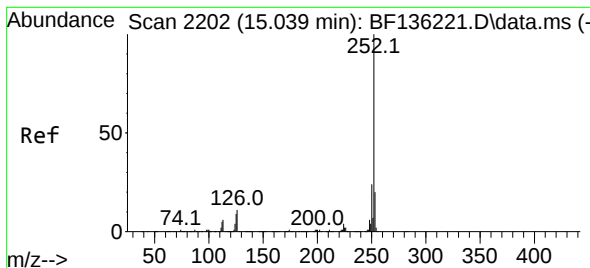
Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.713 ng
RT: 16.962 min Scan# 2529
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:276 Resp: 17964
Ion Ratio Lower Upper
276 100
138 23.7 17.7 26.5
277 30.1 19.6 29.4#





#88

Benzo(b)fluoranthene

Concen: 3.744 ng m

RT: 15.027 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

SP-3-COMP

Tgt Ion:252 Resp: 5766

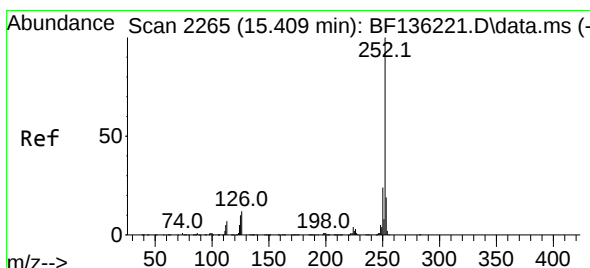
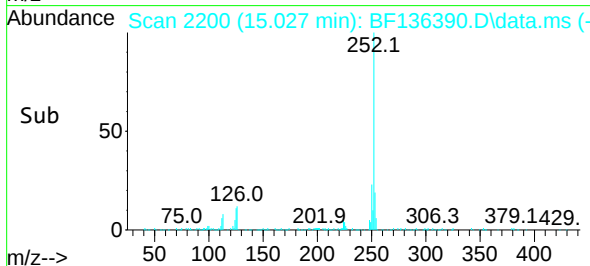
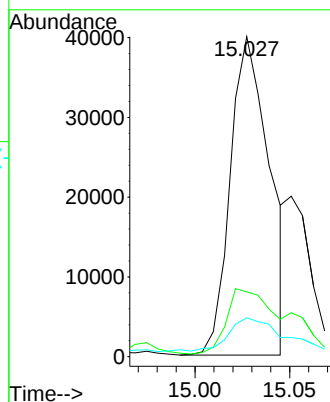
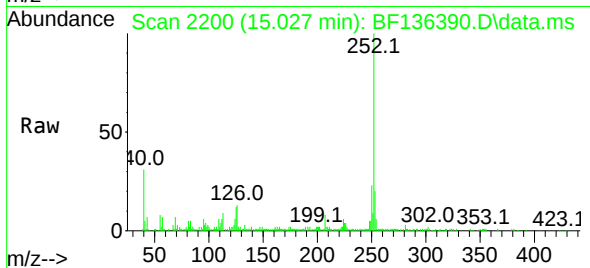
Ion	Ratio	Lower	Upper
252	100		
253	20.2	16.2	24.2
125	12.2	6.9	10.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023

Supervised By :mohammad ahmed 12/05/2023



#90

Benzo(a)pyrene

Concen: 2.885 ng

RT: 15.398 min Scan# 2263

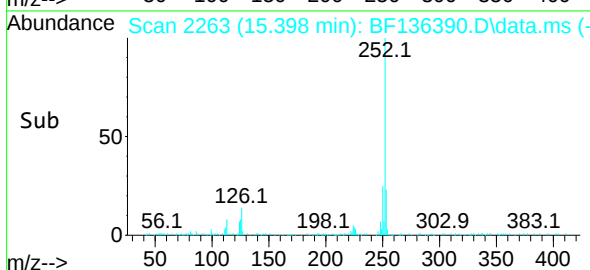
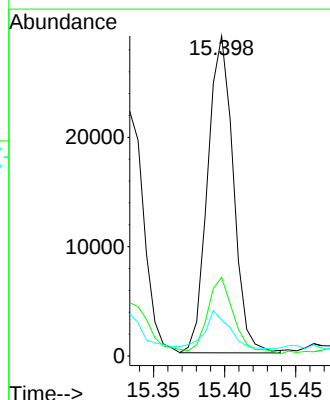
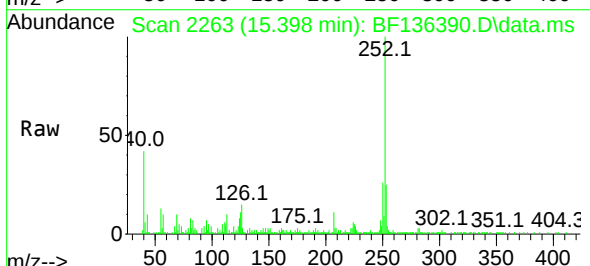
Delta R.T. 0.000 min

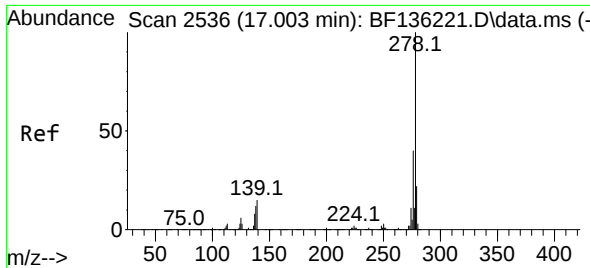
Lab File: BF136390.D

Acq: 04 Dec 2023 19:34

Tgt Ion:252 Resp: 36315

Ion	Ratio	Lower	Upper
252	100		
253	24.6	15.5	23.3
125	11.3	7.9	11.9





#91
Dibenzo(a,h)anthracene
Concen: 3.096 ng
RT: 16.986 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Instrument :

BNA_F

ClientSampleId :

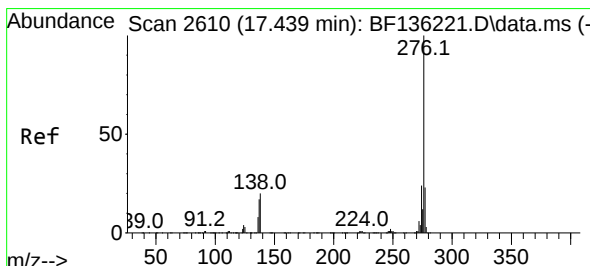
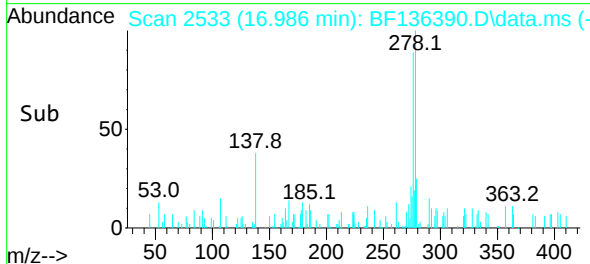
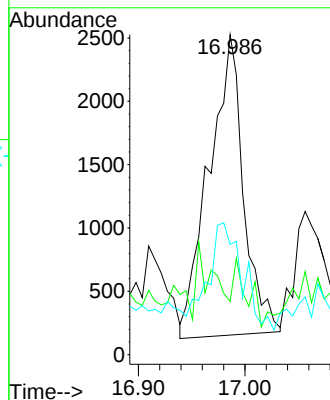
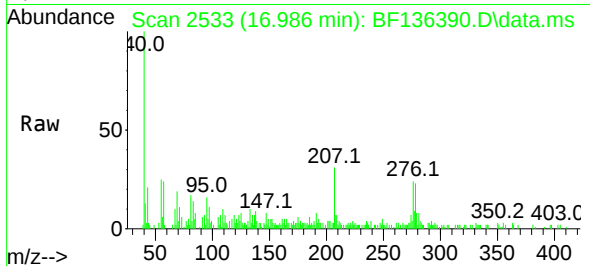
SP-3-COMP

Tgt Ion:278 Resp: 5334
Ion Ratio Lower Upper
278 100
139 16.6 11.7 17.5
279 34.5 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/05/2023
Supervised By :mohammad ahmed 12/05/2023



#92
Benzo(g,h,i)perylene
Concen: 3.171 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF136390.D
Acq: 04 Dec 2023 19:34

Tgt Ion:276 Resp: 17477
Ion Ratio Lower Upper
276 100
277 24.9 18.6 27.8
138 20.9 15.8 23.8

