

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
 Data File : BF139856.D
 Acq On : 18 Oct 2024 16:18
 Operator : RC/JU
 Sample : P4421-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/21/2024
 Supervised By :mohammad ahmed 10/21/2024

Quant Time: Oct 18 16:42:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	136164	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	453580	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	193378	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	336096	20.000	ng	0.00
76) Chrysene-d12	14.051	240	296478	20.000	ng	0.00
86) Perylene-d12	15.527	264	205321	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	156227	17.962	ng	0.00
7) Phenol-d6	6.492	99	184521	16.380	ng	-0.02
23) Nitrobenzene-d5	7.439	82	97271	11.886	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	27829	15.385	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	175307	14.983	ng	-0.01
79) Terphenyl-d14	12.992	244	196621	10.807	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	78933	4.972	ng	100
75) Fluoranthene	12.621	202	149651	9.325	ng	100
77) Benzidine	12.745	184	10634	2.181	ng	# 64
78) Pyrene	12.851	202	173347	6.680	ng	98
81) Benzo(a)anthracene	14.039	228	84638	4.385	ng	92
83) Chrysene	14.074	228	62136m	3.511	ng	
88) Benzo(b)fluoranthene	15.092	252	64921m	5.191	ng	
90) Benzo(a)pyrene	15.462	252	45836	4.454	ng	# 91
92) Benzo(g,h,i)perylene	17.456	276	25872	2.351	ng	92

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

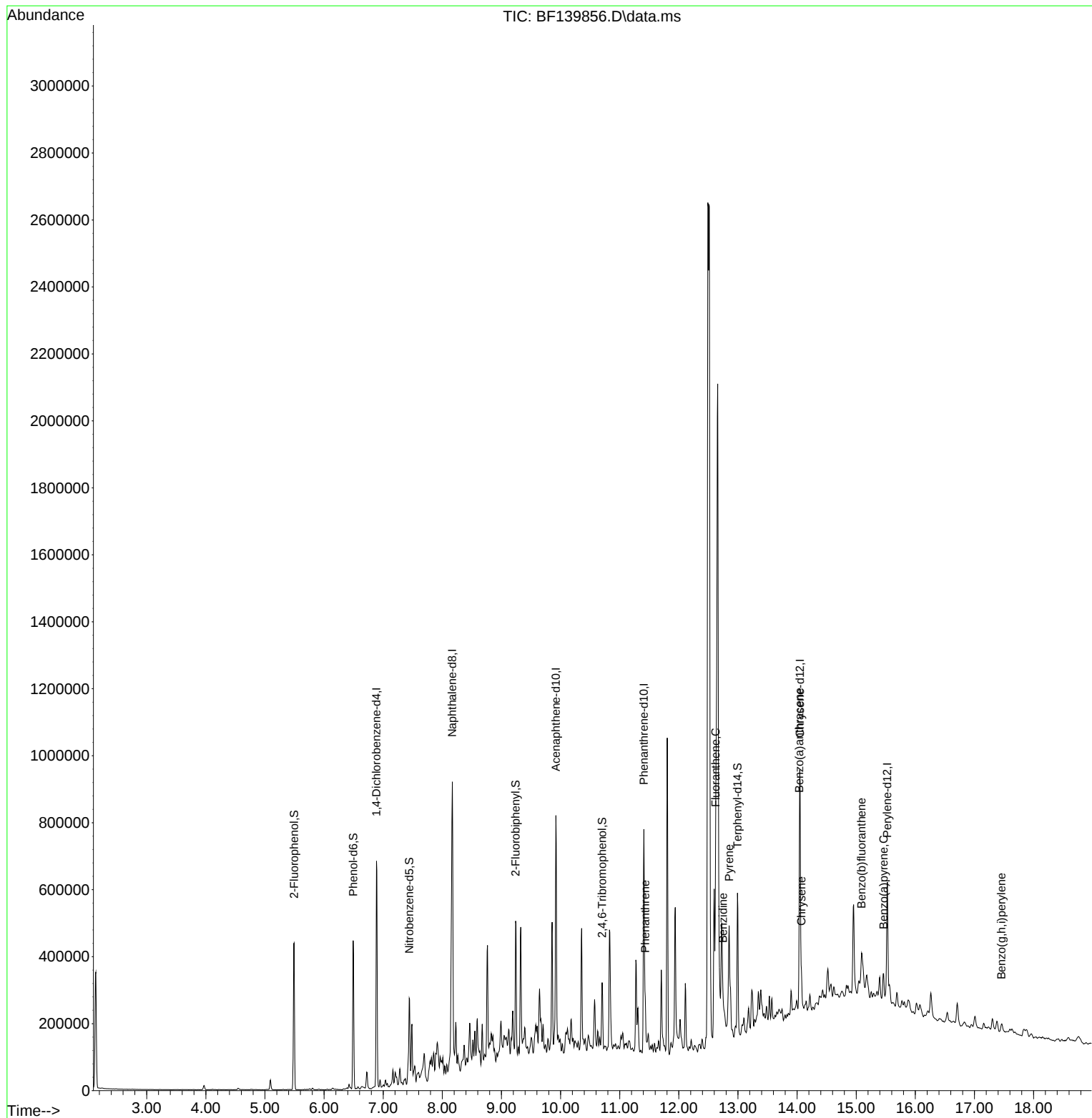
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101824\
Data File : BF139856.D
Acq On : 18 Oct 2024 16:18
Operator : RC/JU
Sample : P4421-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

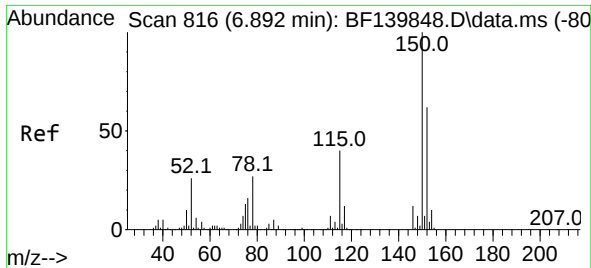
Instrument :
BNA_F
ClientSampleId :
EO-02-101624

Quant Time: Oct 18 16:42:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration

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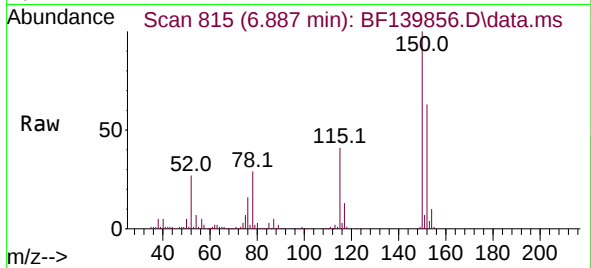
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

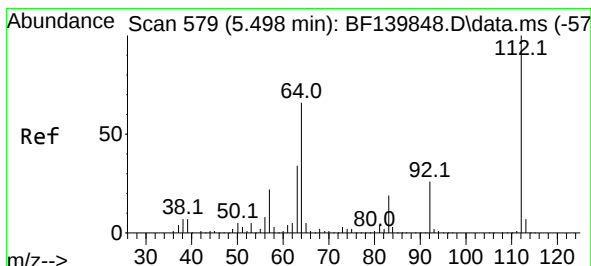
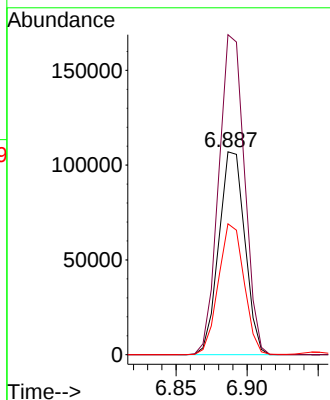
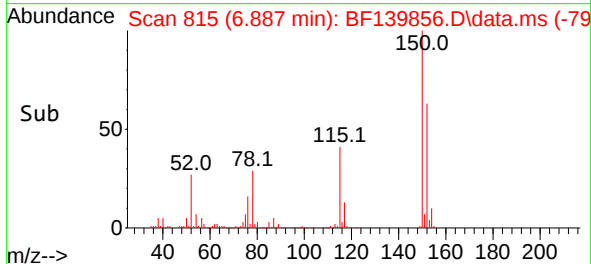
Instrument :
BNA_F
ClientSampleId :
EO-02-101624



Tgt Ion:152 Resp: 136164
Ion Ratio Lower Upper
152 100
150 157.7 130.2 195.2
115 64.6 51.4 77.2

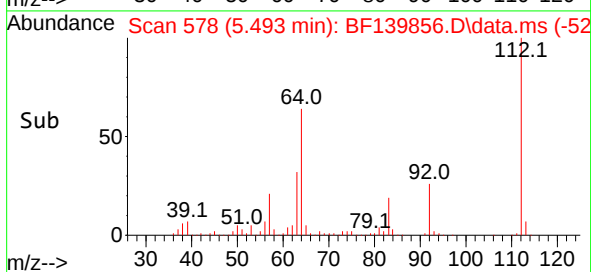
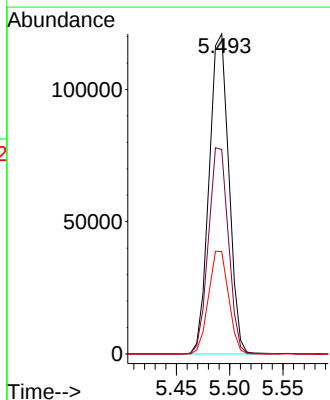
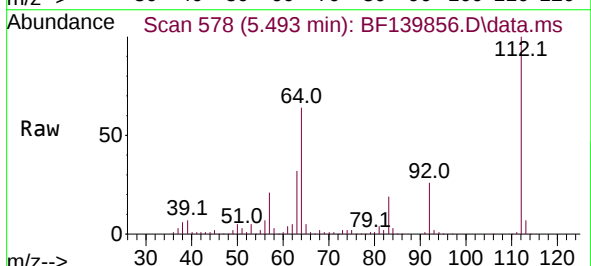
Manual Integrations
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Supervised By :mohammad ahmed 10/21/2024



#5
2-Fluorophenol
Concen: 17.962 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

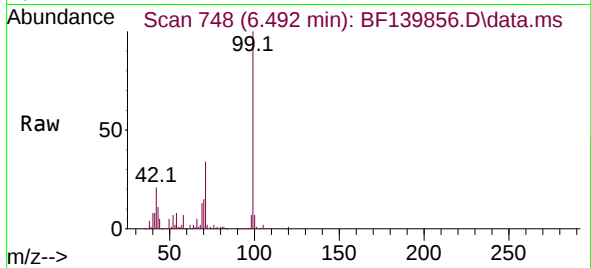
Tgt Ion:112 Resp: 156227
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 32.0 27.0 40.4





#7
Phenol-d6
Concen: 16.380 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

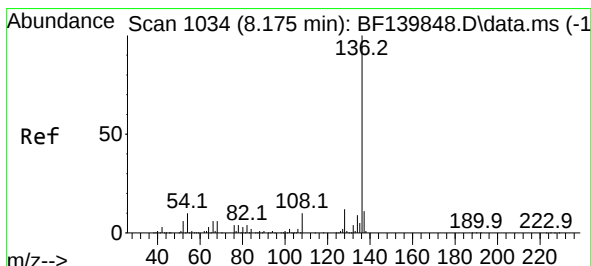
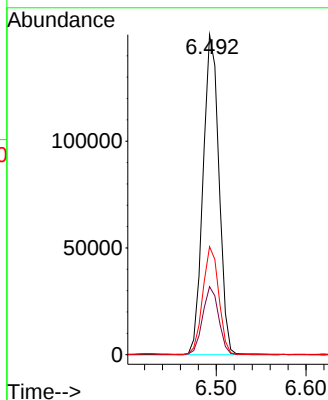
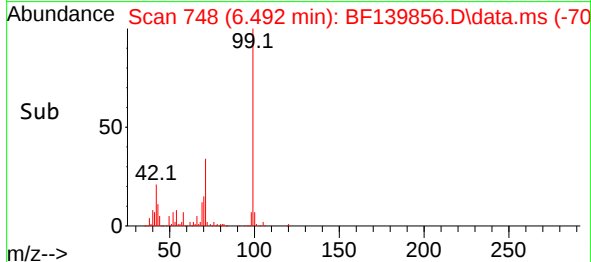
Instrument :
BNA_F
ClientSampleId :
EO-02-101624



Tgt Ion: 99 Resp: 18452
Ion Ratio Lower Upper
99 100
42 21.2 16.7 25.1
71 33.8 27.7 41.5

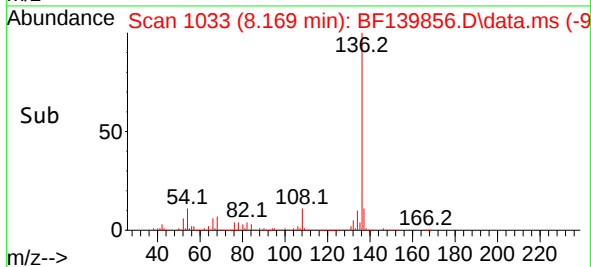
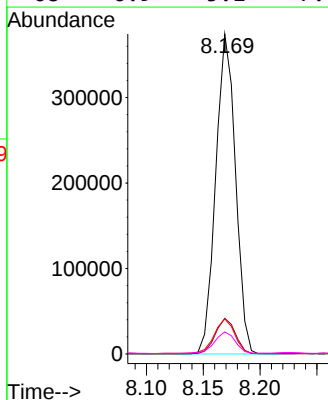
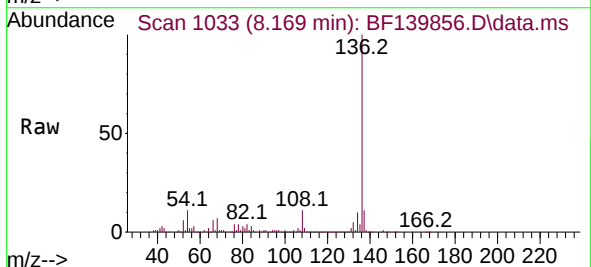
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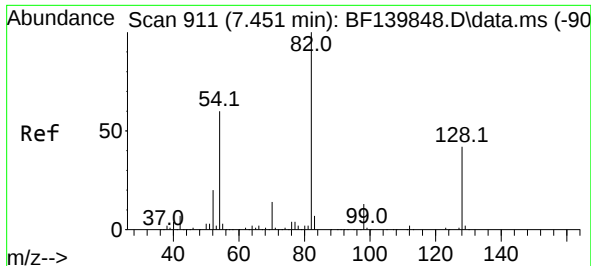
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:136 Resp: 453580
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 11.0 8.4 12.6
68 6.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 11.886 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF139856.D

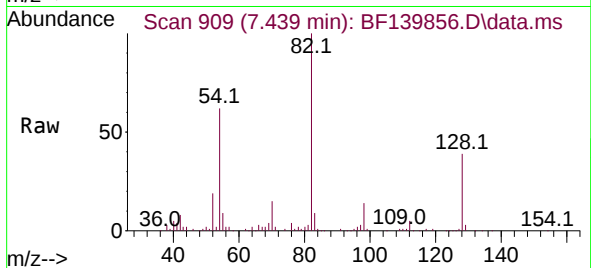
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Instrument :

BNA_F

ClientSampleId :

EO-02-101624

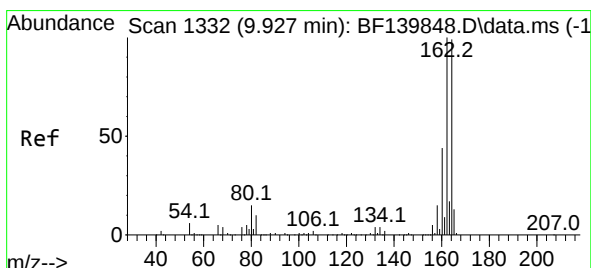
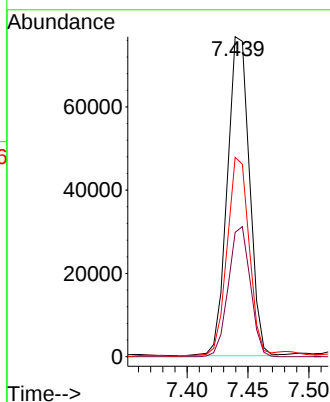
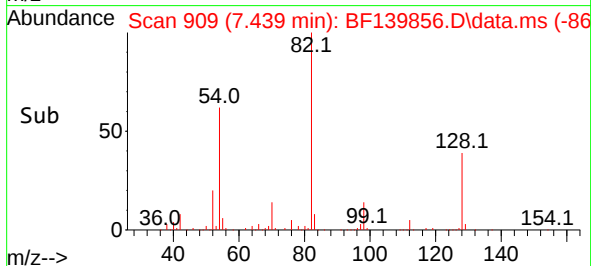


Tgt Ion: 82 Resp: 9727

Ion	Ratio	Lower	Upper
82	100		
128	38.9	33.4	50.0
54	62.3	47.8	71.8

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Supervised By :mohammad ahmed 10/21/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1331

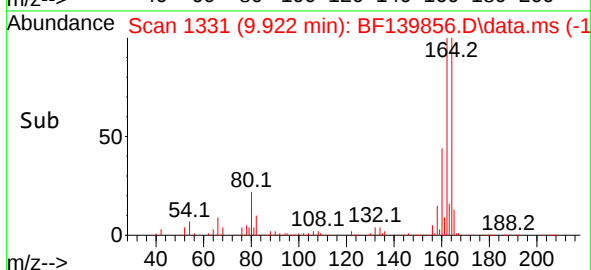
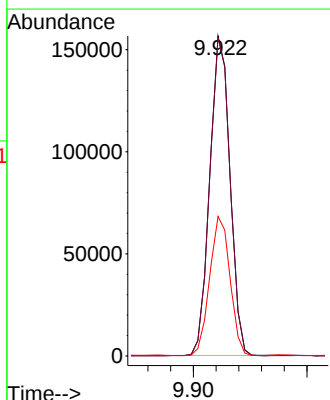
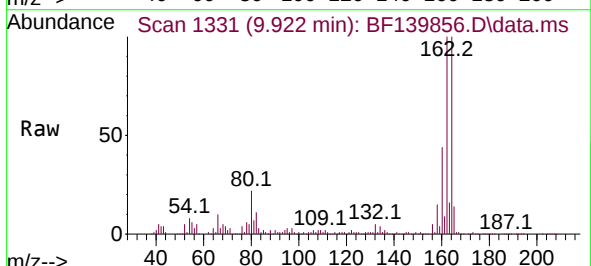
Delta R.T. -0.005 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Tgt Ion:164 Resp: 193378

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.0	121.4
160	43.6	35.4	53.0





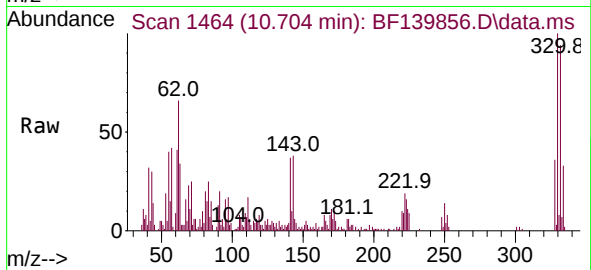
#42
2,4,6-Tribromophenol
Concen: 15.385 ng
RT: 10.704 min Scan# 1466
Delta R.T. -0.012 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624



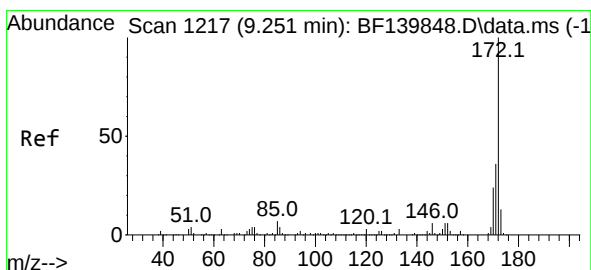
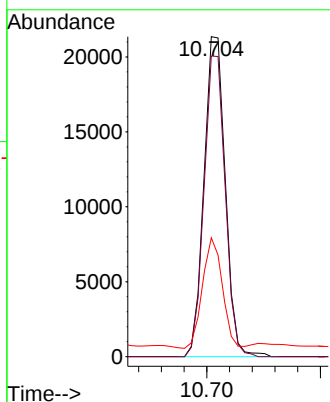
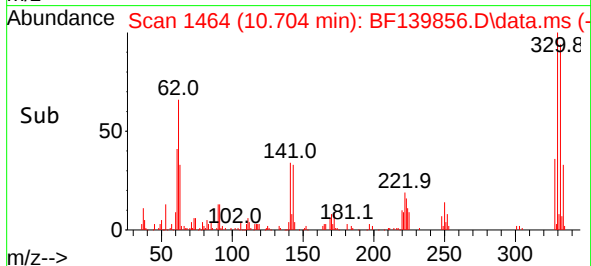
Tgt Ion: 330 Resp: 27829
Ion Ratio Lower Upper
330 100
332 93.3 78.1 117.1
141 32.2 26.6 39.8

Manual Integrations

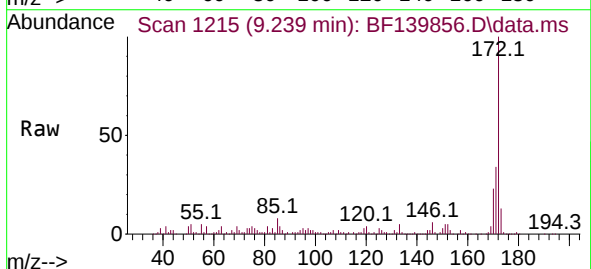
APPROVED

Reviewed By : Yogesh Patel 10/21/2024

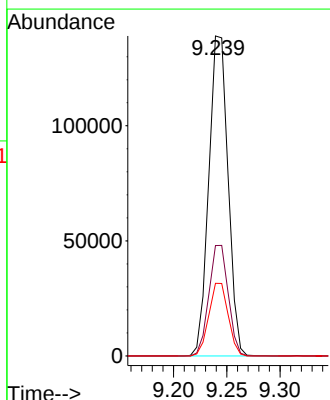
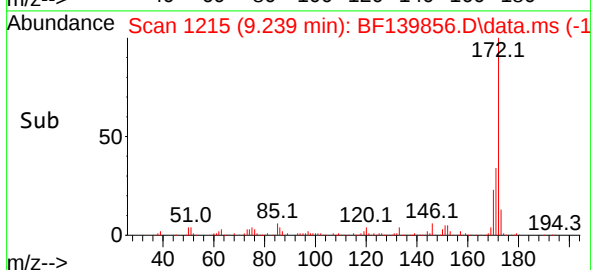
Supervised By : mohammad ahmed 10/21/2024

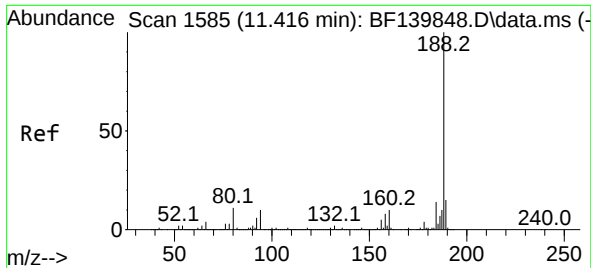


#45
2-Fluorobiphenyl
Concen: 14.983 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18



Tgt Ion: 172 Resp: 175307
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.7 19.1 28.7





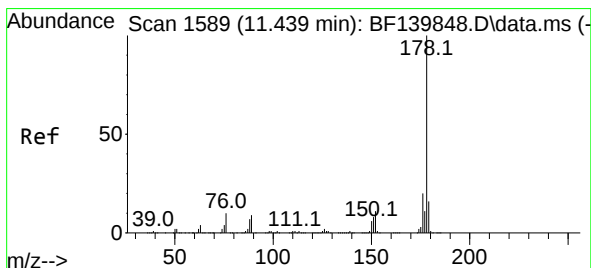
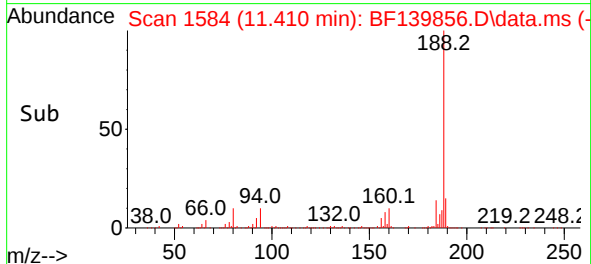
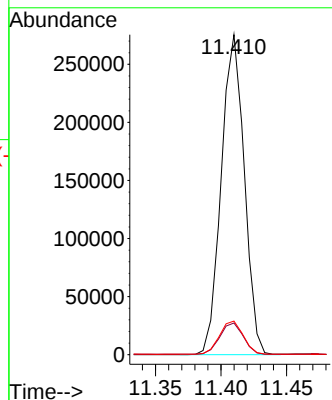
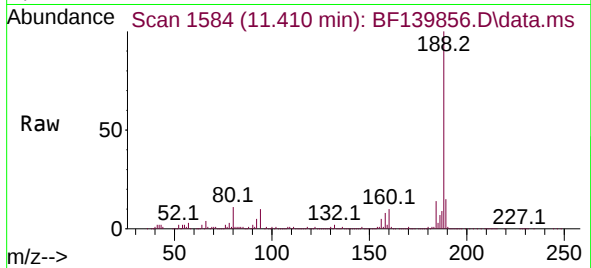
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Instrument :
BNA_F
ClientSampleId :
EO-02-101624

Tgt Ion:188 Resp: 336090
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.5 9.0 13.4

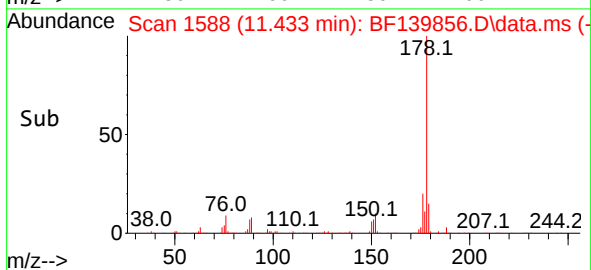
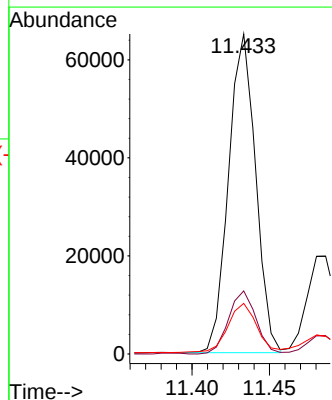
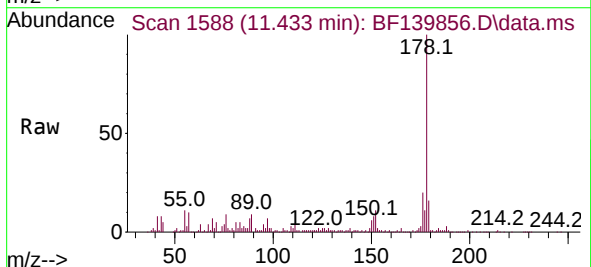
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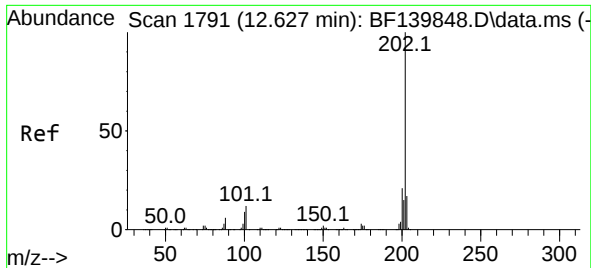
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#71
Phenanthrene
Concen: 4.972 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

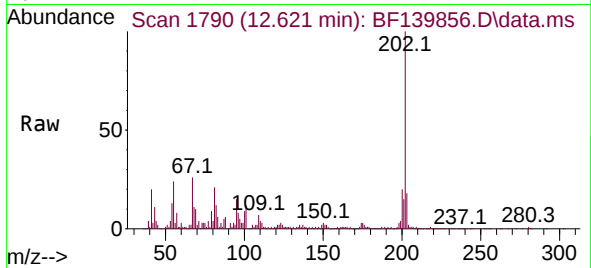
Tgt Ion:178 Resp: 78933
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.8 12.6 18.8





#75
Fluoranthene
Concen: 9.325 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

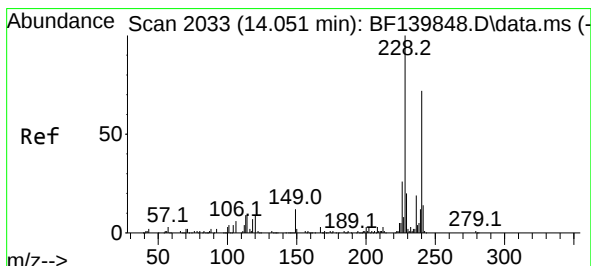
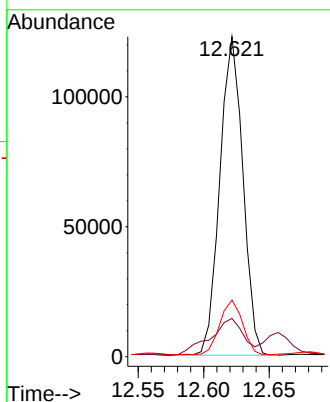
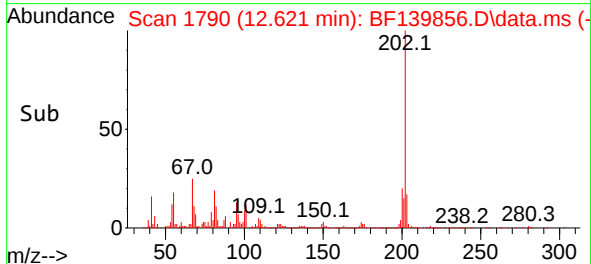
Instrument :
BNA_F
ClientSampleId :
EO-02-101624



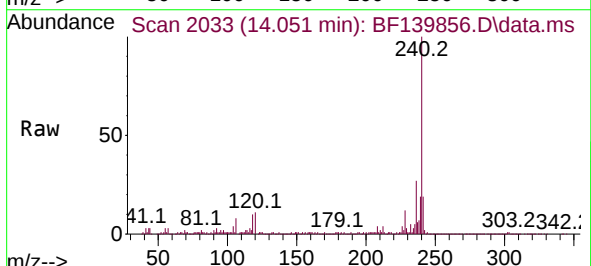
Tgt Ion:202 Resp: 14965
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.9
203 17.7 0.0 37.5

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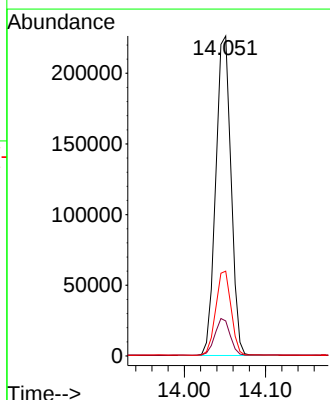
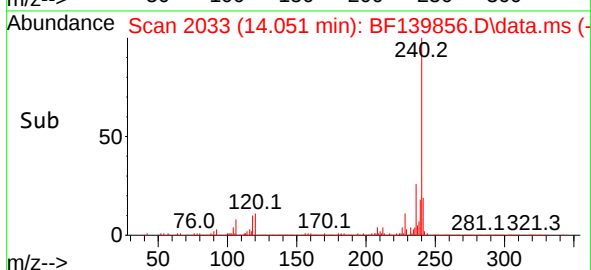
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024

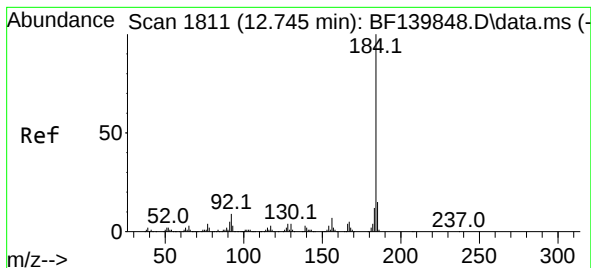


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18



Tgt Ion:240 Resp: 296478
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.2
236 26.5 20.9 31.3





#77

Benzidine

Concen: 2.181 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

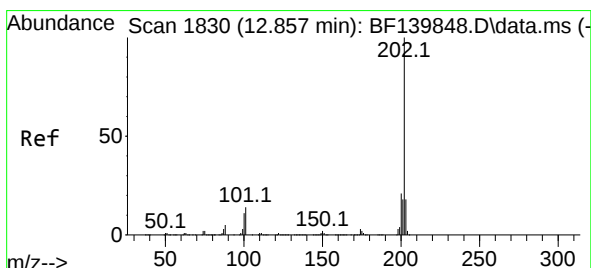
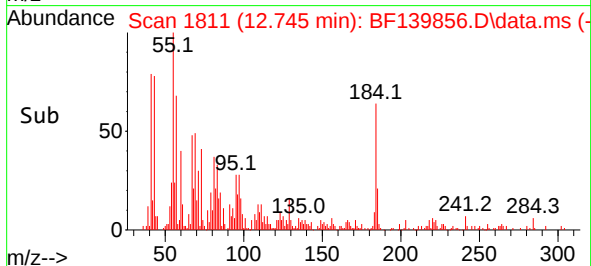
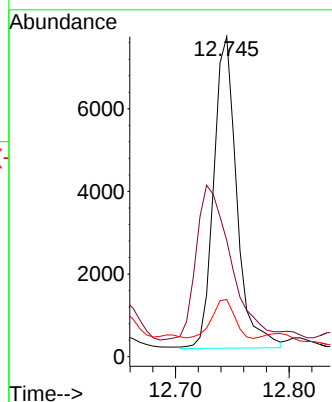
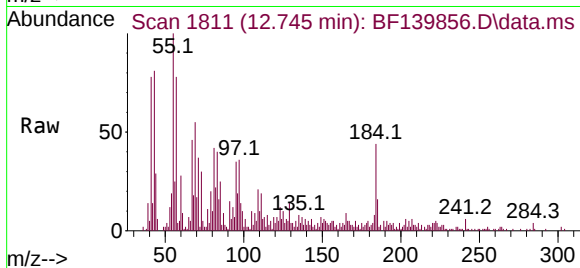
EO-02-101624

Tgt Ion:184 Resp: 10634

Ion	Ratio	Lower	Upper
184	100		
185	36.3	12.0	18.0
183	17.9	9.4	14.2

Manual Integrations
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Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#78

Pyrene

Concen: 6.680 ng

RT: 12.851 min Scan# 1829

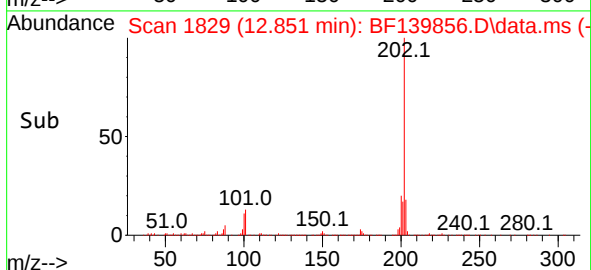
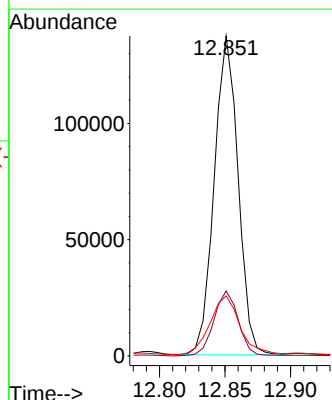
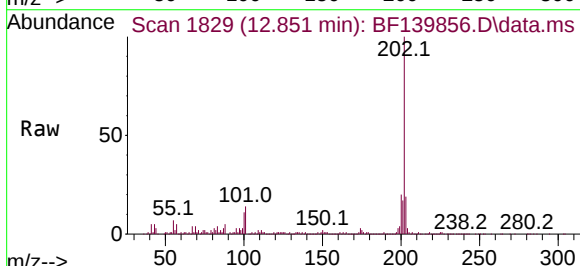
Delta R.T. -0.006 min

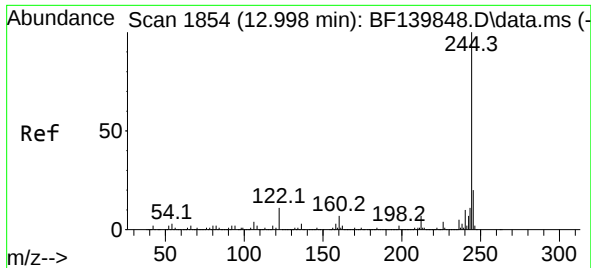
Lab File: BF139856.D

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Tgt Ion:202 Resp: 173347

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	18.8	14.2	21.4





#79
Terphenyl-d14
Concen: 10.807 ng
RT: 12.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

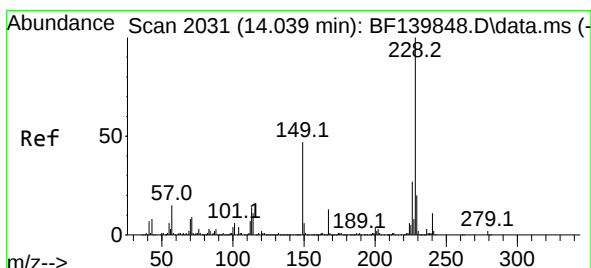
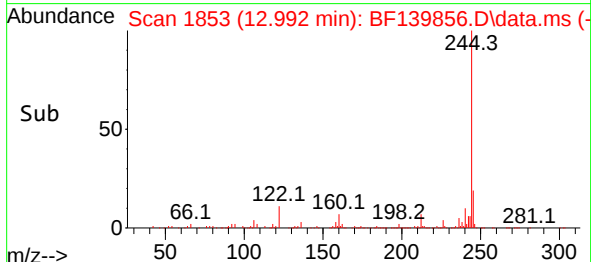
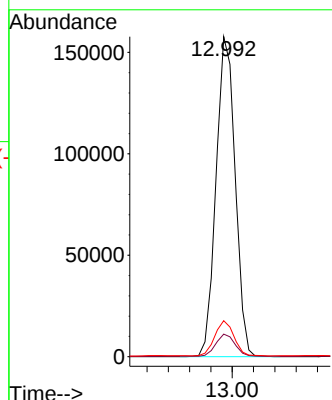
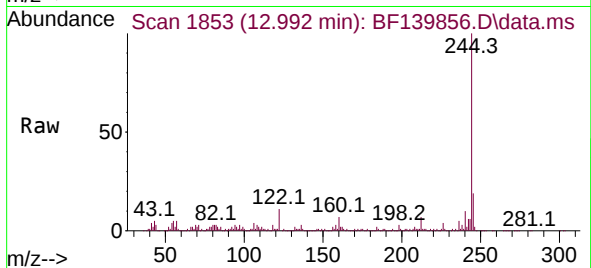
ClientSampleId :

EO-02-101624

Tgt Ion:244 Resp: 19662
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.2 8.6 13.0

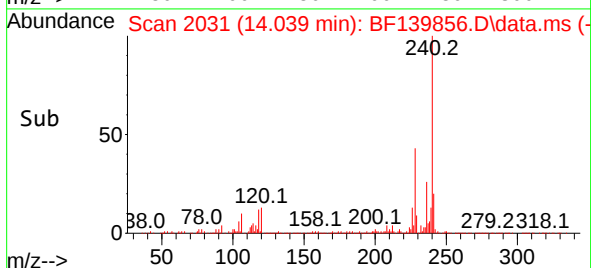
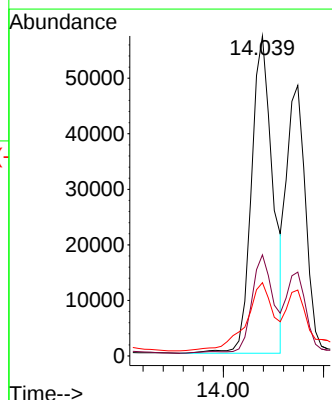
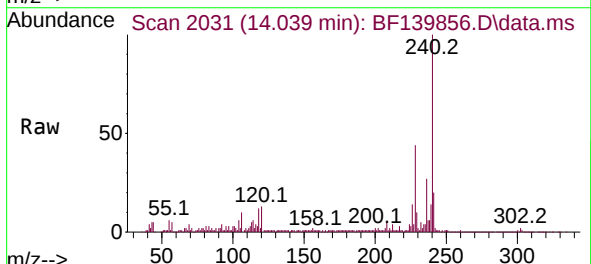
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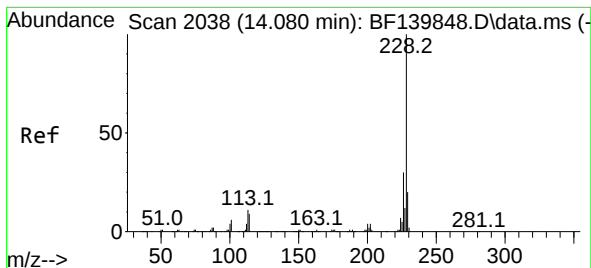
Reviewed By :Yogesh Patel 10/21/2024
Supervised By :mohammad ahmed 10/21/2024



#81
Benzo(a)anthracene
Concen: 4.385 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF139856.D
Acq: 18 Oct 2024 16:18

Tgt Ion:228 Resp: 84638
Ion Ratio Lower Upper
228 100
226 31.6 21.6 32.4
229 22.9 16.1 24.1





#83

Chrysene

Concen: 3.511 ng m

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624

Tgt Ion:228 Resp: 62130

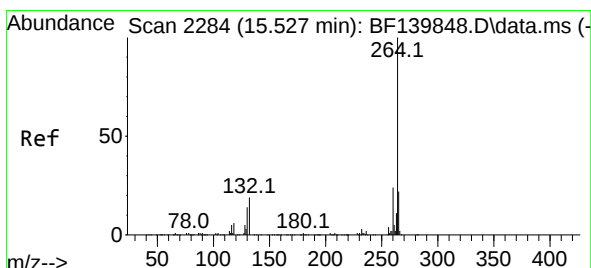
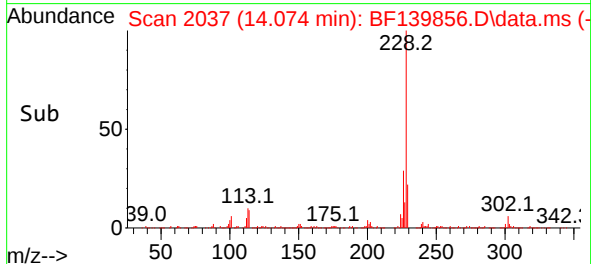
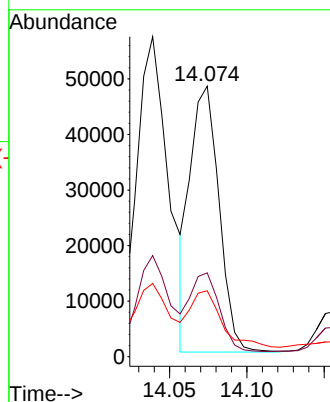
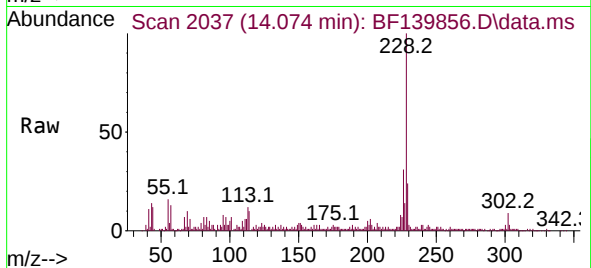
Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.1	36.1
229	24.4	15.8	23.6

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

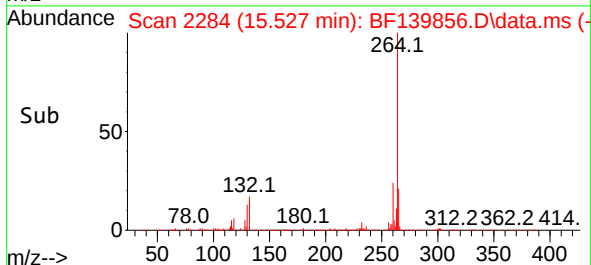
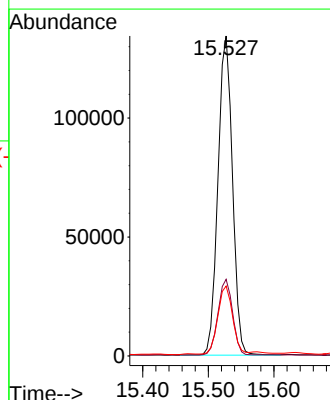
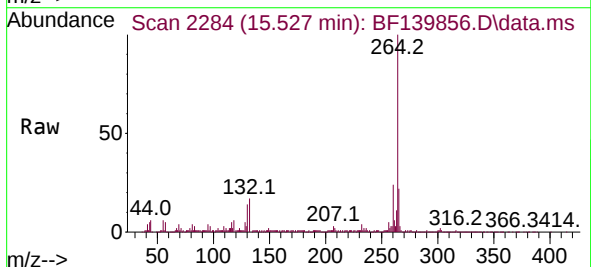
Delta R.T. 0.000 min

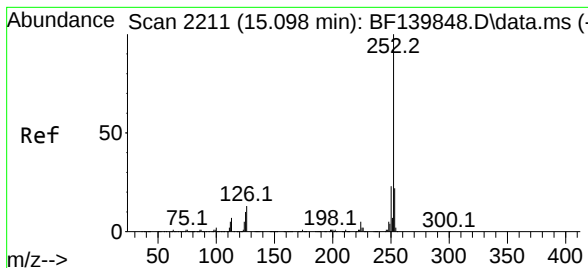
Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Tgt Ion:264 Resp: 205321

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	21.9	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 5.191 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624

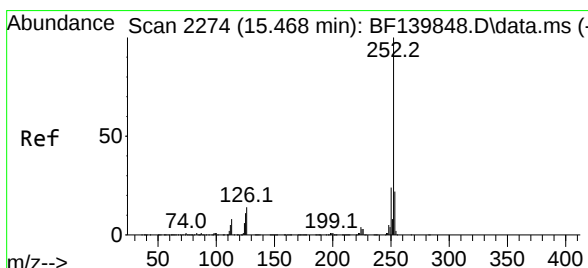
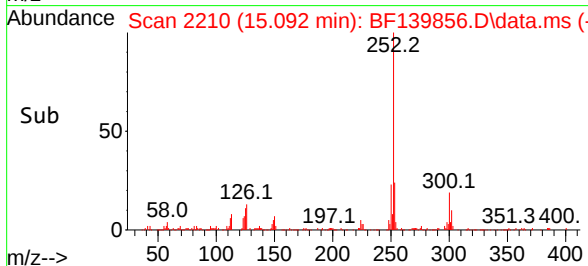
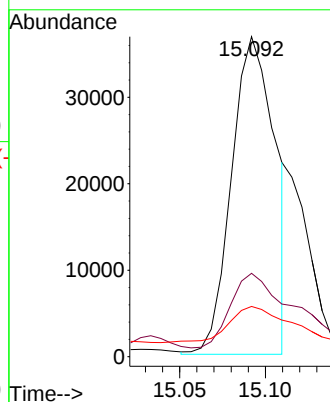
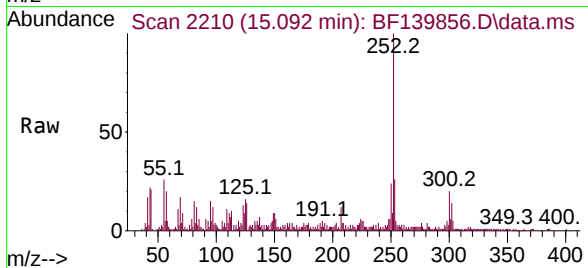
Tgt Ion:252 Resp: 6492
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.6 26.4
 125 15.7 7.9 11.9

Manual Integrations

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Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024



#90

Benzo(a)pyrene

Concen: 4.454 ng

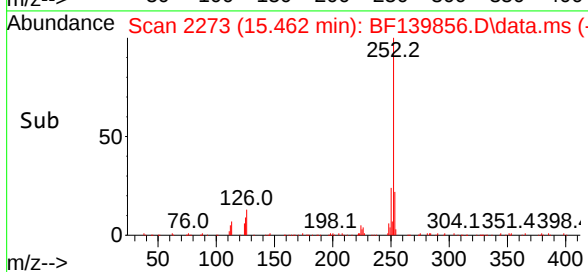
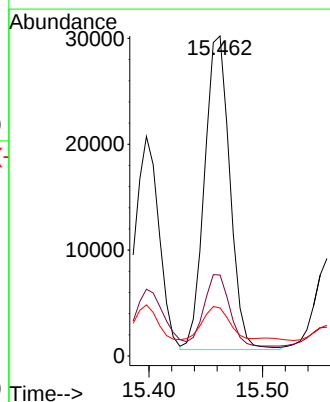
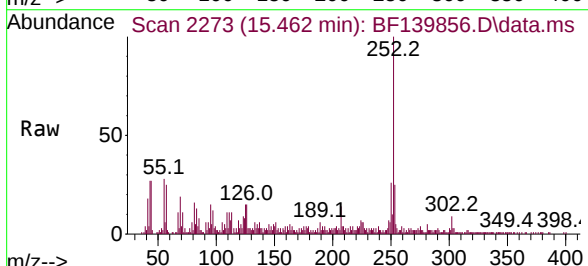
RT: 15.462 min Scan# 2273

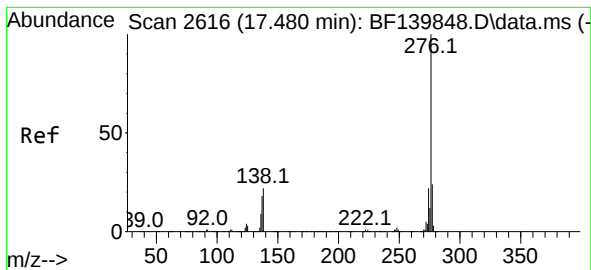
Delta R.T. -0.006 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Tgt Ion:252 Resp: 45836
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.3 25.9
 125 15.0 8.7 13.1





#92

Benzo(g,h,i)perylene

Concen: 2.351 ng

RT: 17.456 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF139856.D

Acq: 18 Oct 2024 16:18

Instrument :

BNA_F

ClientSampleId :

EO-02-101624

Tgt Ion:276 Resp: 2587

Ion Ratio Lower Upper

276 100

277 28.5 19.0 28.6

138 25.1 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/21/2024

Supervised By :mohammad ahmed 10/21/2024

