

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140412.D
 Acq On : 15 Nov 2024 18:58
 Operator : RC/JU
 Sample : P4825-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024

Quant Time: Nov 15 22:14:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	129069	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	478102	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	233385	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	356209	20.000	ng	0.00
76) Chrysene-d12	14.051	240	239540	20.000	ng	0.00
86) Perylene-d12	15.551	264	178673	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	53665	7.099	ng	0.01
7) Phenol-d6	6.516	99	69541	6.790	ng	0.01
23) Nitrobenzene-d5	7.433	82	42464	4.628	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	12291	5.296	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	89647	6.175	ng	0.00
79) Terphenyl-d14	12.980	244	72689	5.267	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	61147	3.654	ng	98
75) Fluoranthene	12.616	202	80697	4.299	ng	99
78) Pyrene	12.845	202	137774	6.724	ng	99
81) Benzo(a)anthracene	14.039	228	57367	3.644	ng	# 88
83) Chrysene	14.074	228	54559	3.798	ng	# 94
88) Benzo(b)fluoranthene	15.115	252	36007m	3.081	ng	
90) Benzo(a)pyrene	15.486	252	29806	3.284	ng	# 91

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

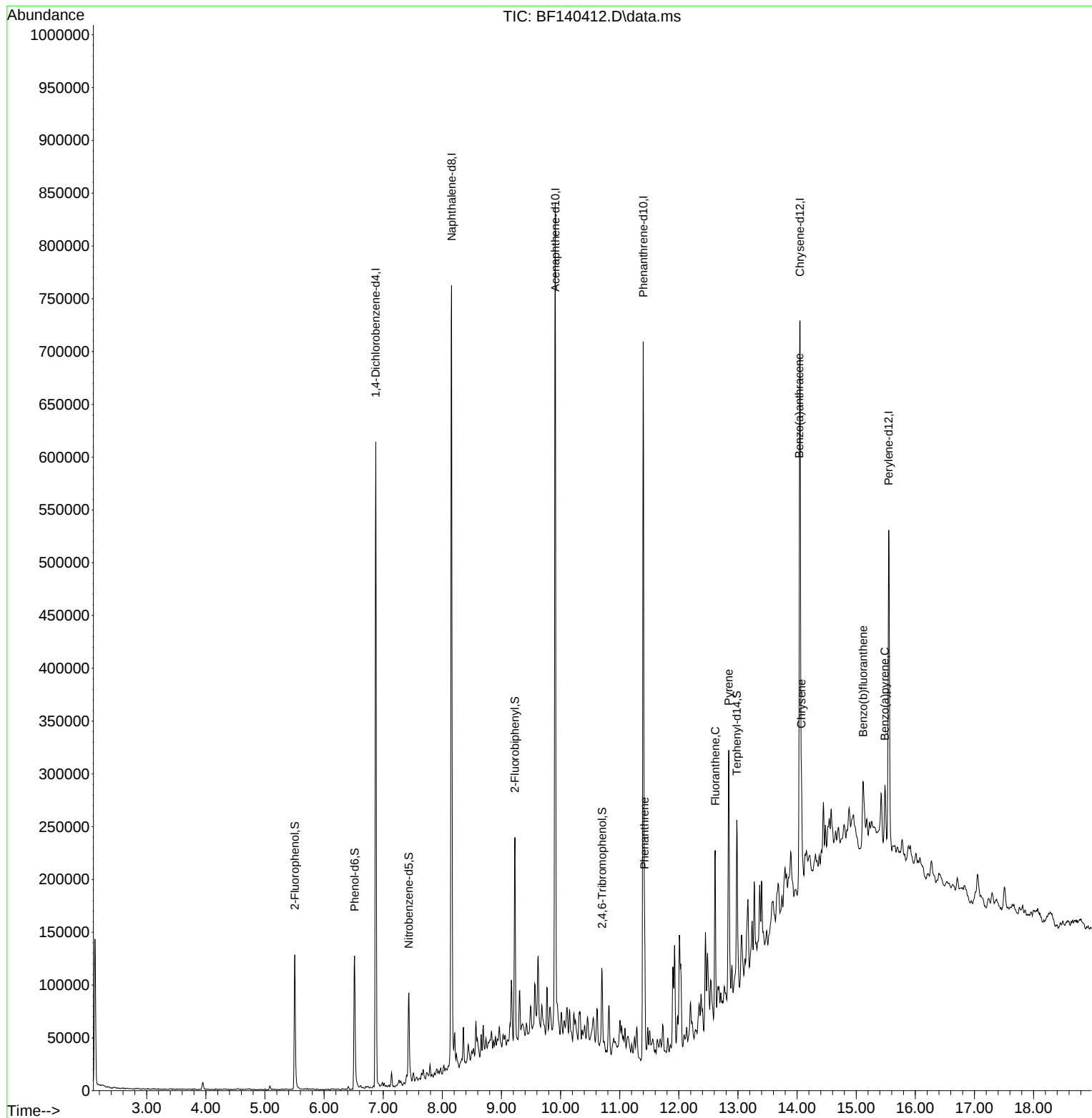
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140412.D
Acq On : 15 Nov 2024 18:58
Operator : RC/JU
Sample : P4825-01 10X
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ALS Vial : 23 Sample Multiplier: 1

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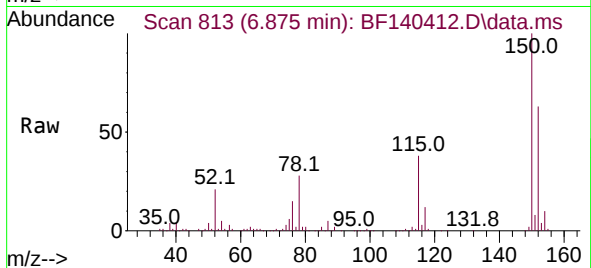
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

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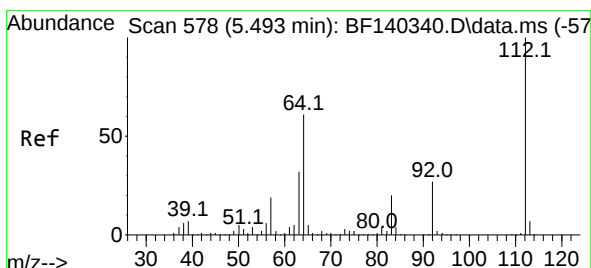
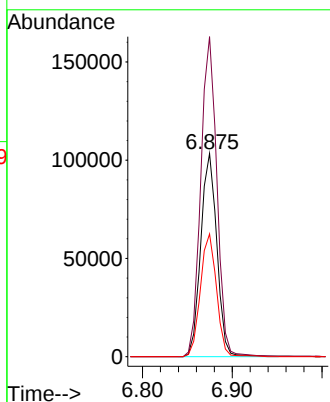
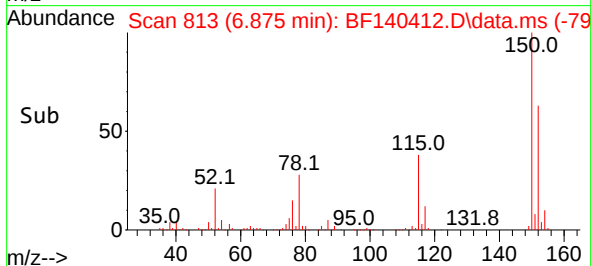
Tgt Ion:152 Resp: 129065
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 60.4 47.4 71.2

Manual Integrations

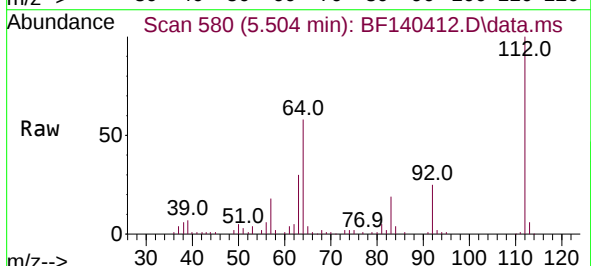
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Reviewed By :Yogesh Patel 11/18/2024

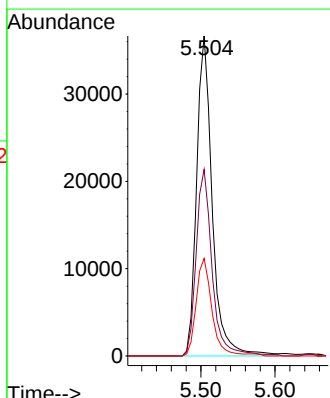
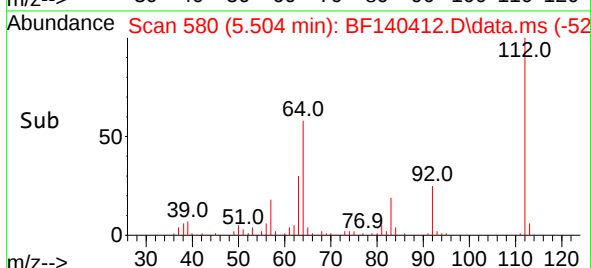
Supervised By :mohammad ahmed 11/18/2024



#5
2-Fluorophenol
Concen: 7.099 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58



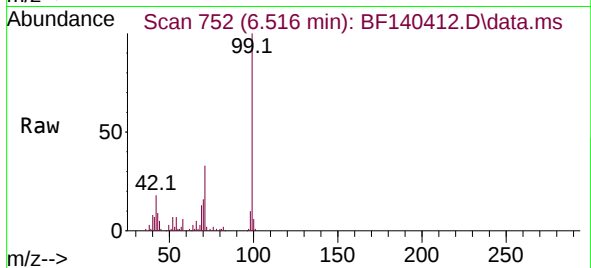
Tgt Ion:112 Resp: 53665
Ion Ratio Lower Upper
112 100
64 58.3 49.2 73.8
63 30.5 25.6 38.4





#7
Phenol-d6
Concen: 6.790 ng
RT: 6.516 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

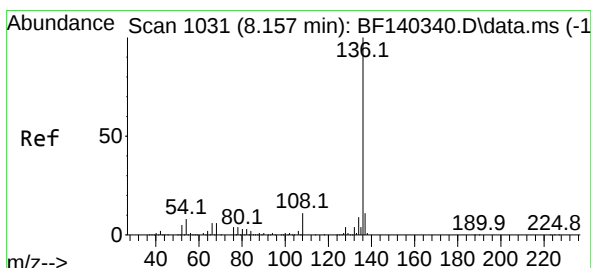
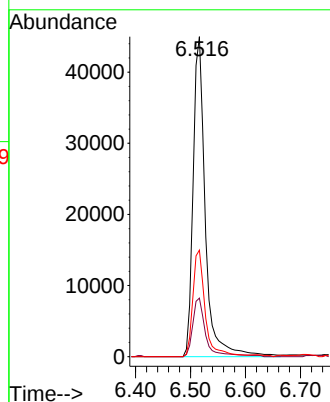
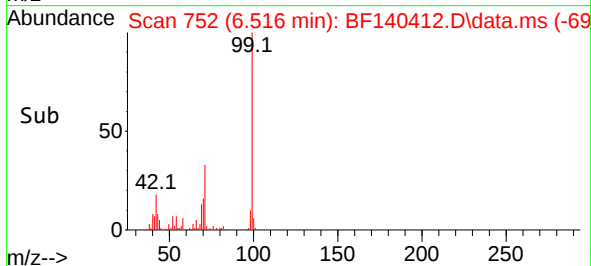
Instrument :
BNA_F
ClientSampleId :
STOCK-PILE



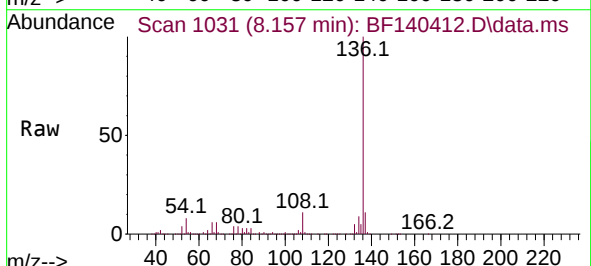
Tgt Ion: 99 Resp: 6954
Ion Ratio Lower Upper
99 100
42 18.3 15.1 22.7
71 33.3 27.9 41.9

Manual Integrations
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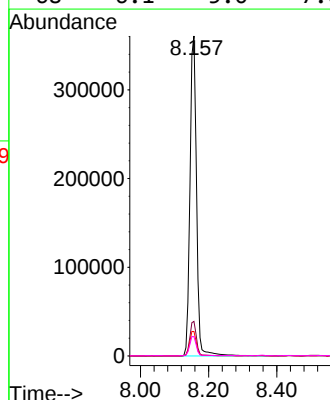
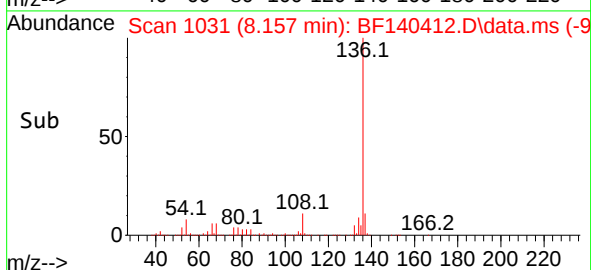
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

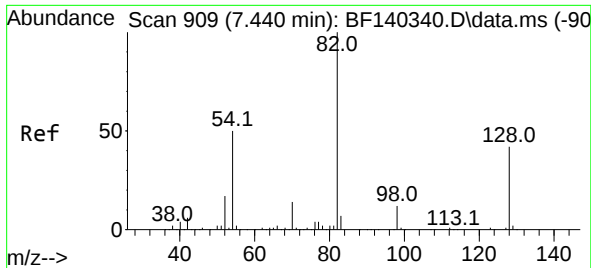


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58



Tgt Ion:136 Resp: 478102
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.7 6.5 9.7
68 6.1 5.0 7.6





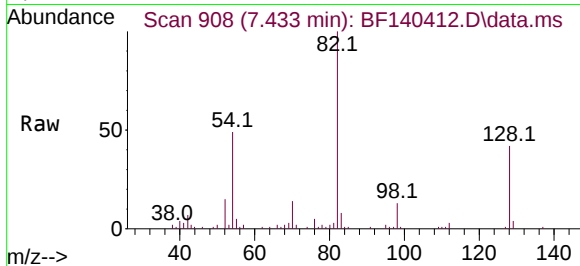
#23
Nitrobenzene-d5
Concen: 4.628 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

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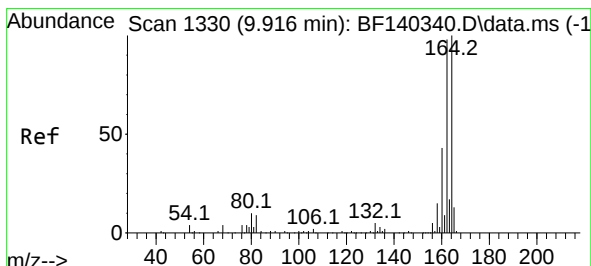
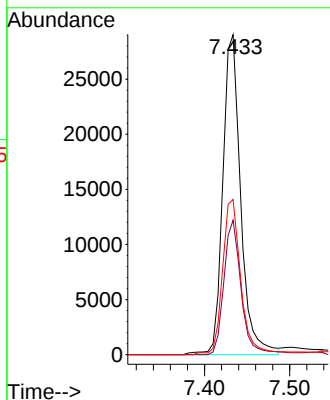
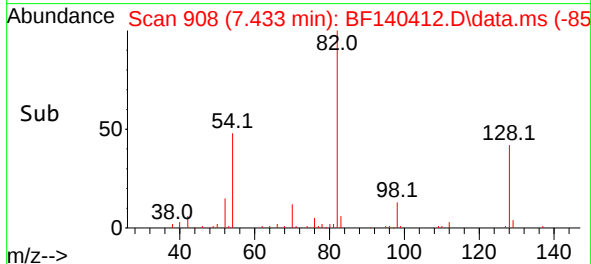


Tgt Ion: 82 Resp: 42464
Ion Ratio Lower Upper
82 100
128 42.0 33.3 49.9
54 48.5 39.8 59.8

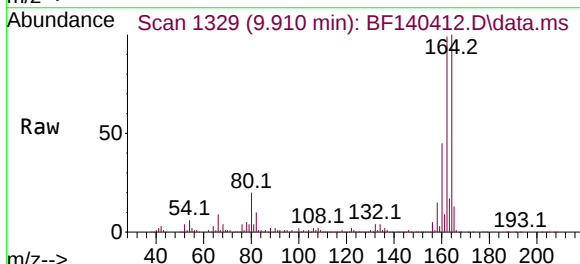
Manual Integrations

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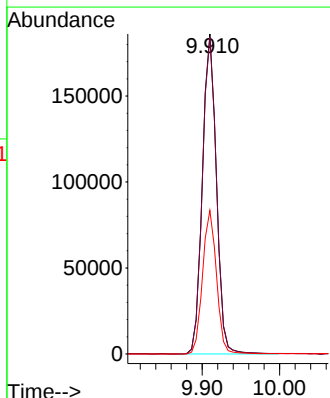
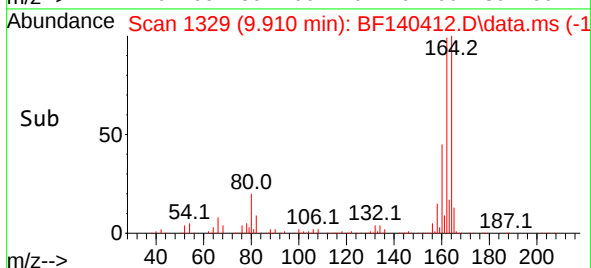
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

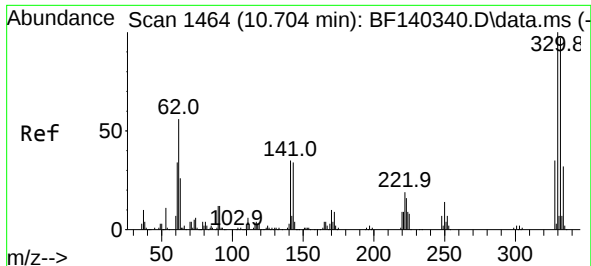


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58



Tgt Ion:164 Resp: 233385
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.8
160 44.9 35.4 53.0





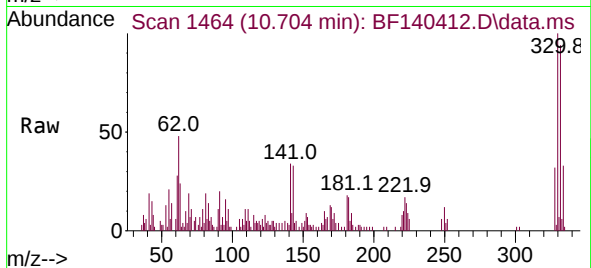
#42
2,4,6-Tribromophenol
Concen: 5.296 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

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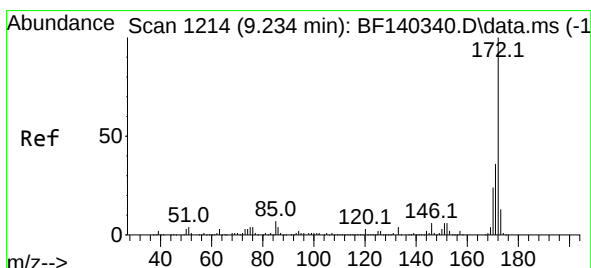
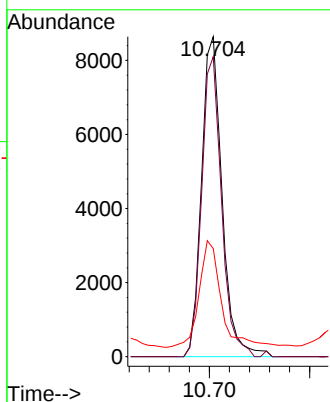
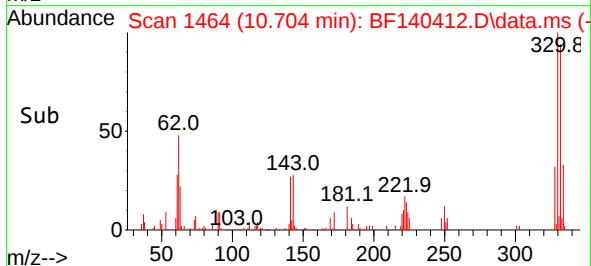
Tgt Ion: 330 Resp: 1229
Ion Ratio Lower Upper
330 100
332 90.7 75.9 113.9
141 36.5 26.9 40.3

Manual Integrations

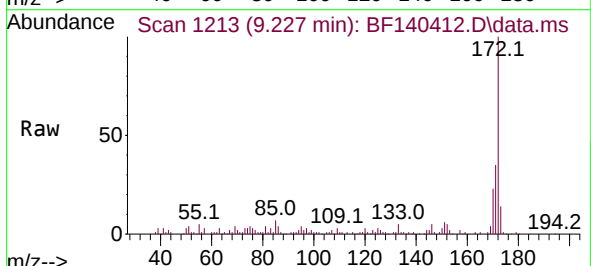
APPROVED

Reviewed By : Yogesh Patel 11/18/2024

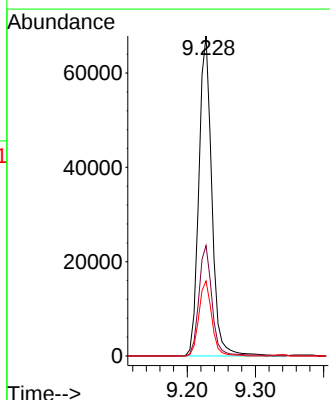
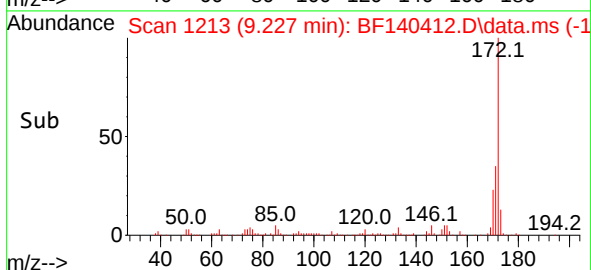
Supervised By : mohammad ahmed 11/18/2024

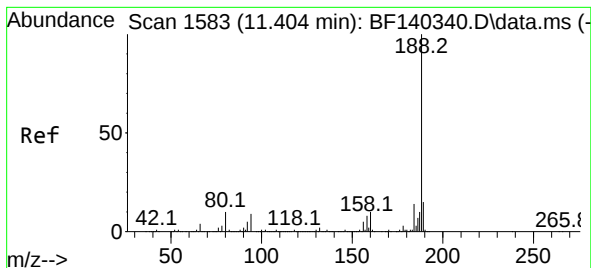


#45
2-Fluorobiphenyl
Concen: 6.175 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58



Tgt Ion: 172 Resp: 89647
Ion Ratio Lower Upper
172 100
171 34.5 28.5 42.7
170 23.4 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

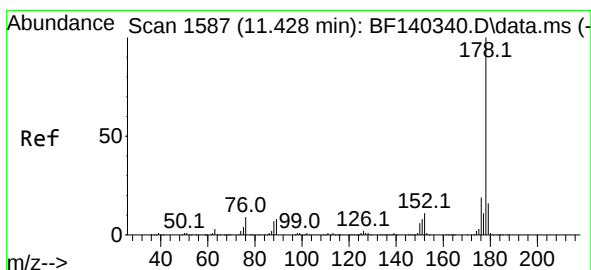
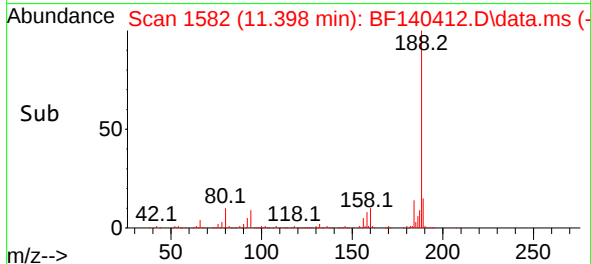
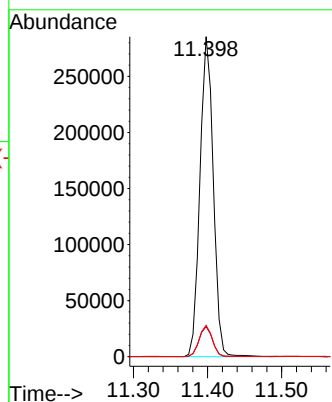
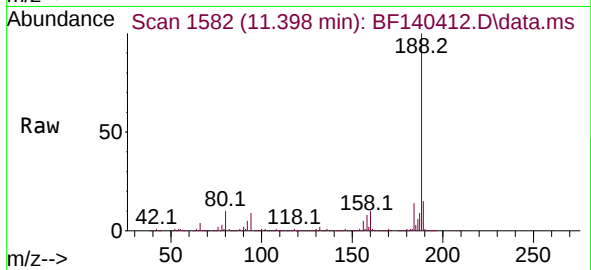
STOCK-PILE

Tgt Ion:188 Resp: 356209
Ion Ratio Lower Upper
188 100
94 9.4 7.6 11.4
80 9.8 8.0 12.0

Manual Integrations

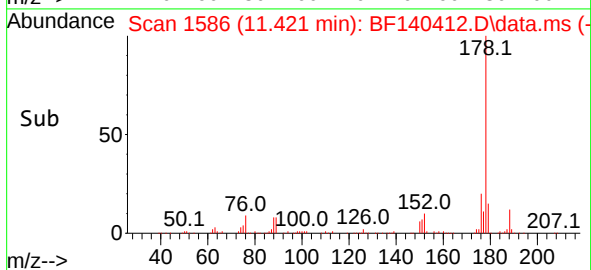
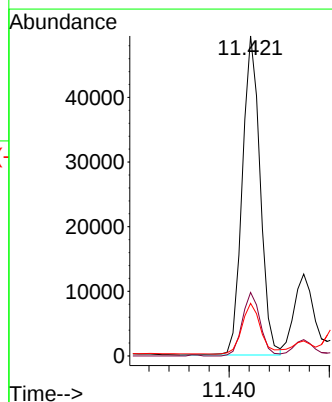
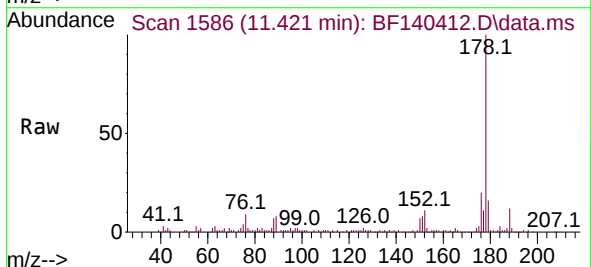
APPROVED

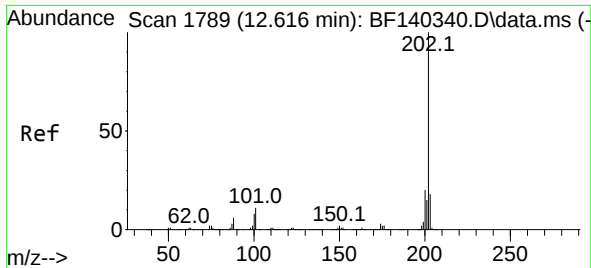
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#71
Phenanthrene
Concen: 3.654 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

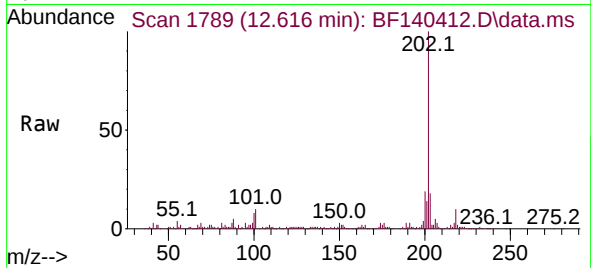
Tgt Ion:178 Resp: 61147
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 16.4 12.4 18.6





#75
Fluoranthene
Concen: 4.299 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

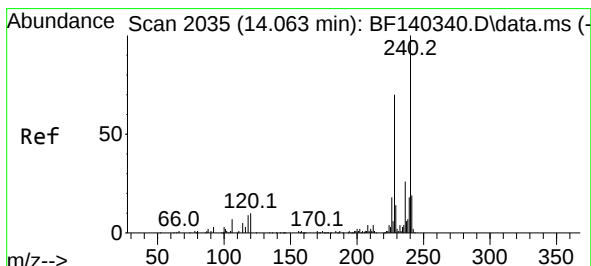
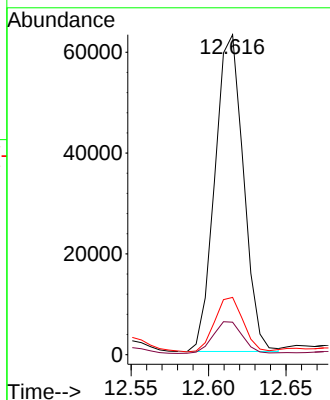
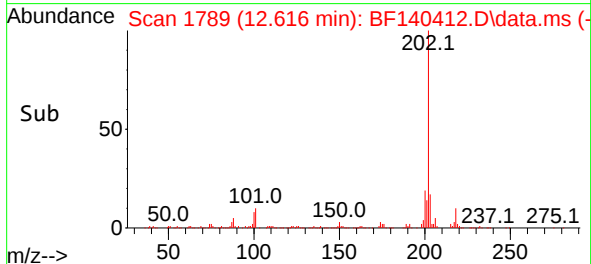
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 8069
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.7
203 17.9 0.0 37.7

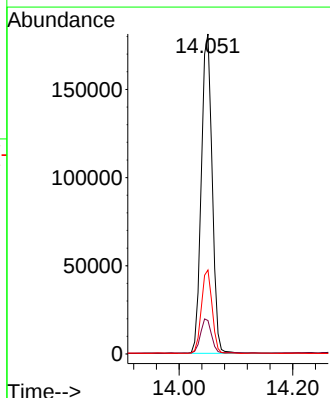
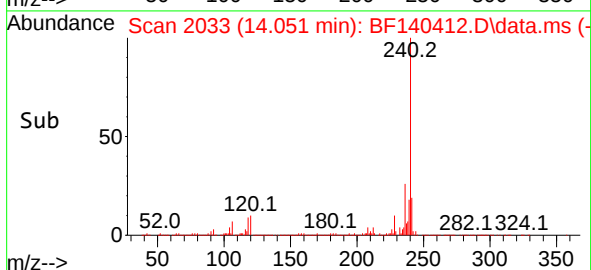
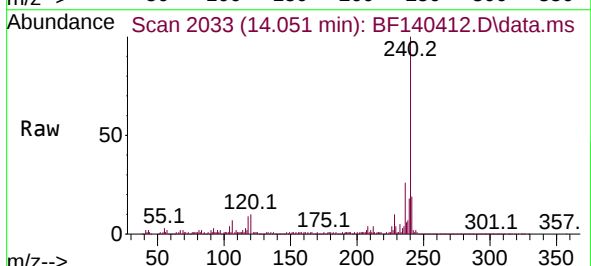
Manual Integrations
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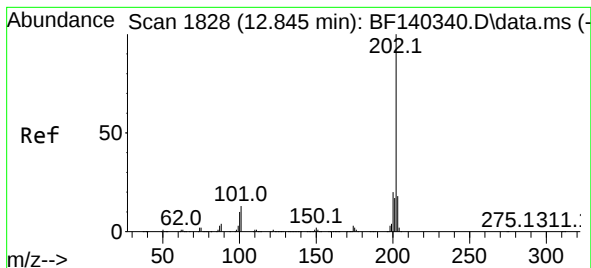
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:240 Resp: 239540
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 26.2 20.9 31.3





#78

Pyrene

Concen: 6.724 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

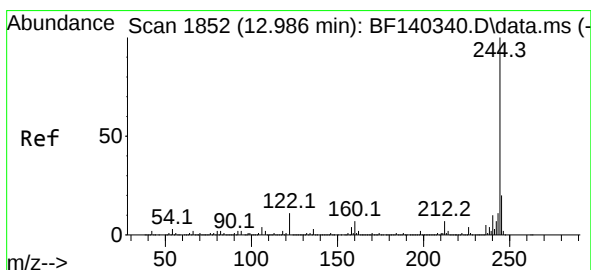
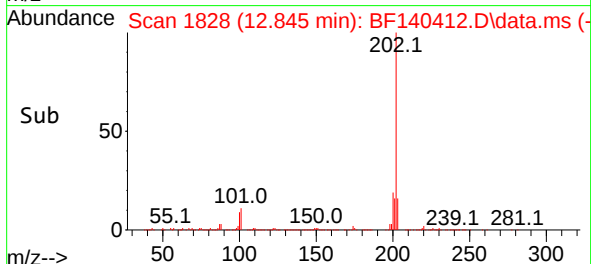
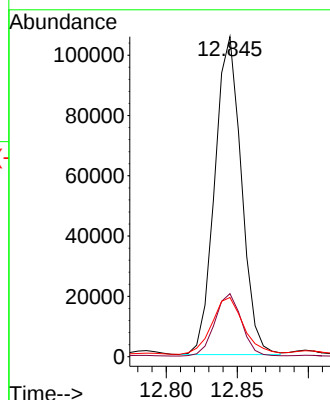
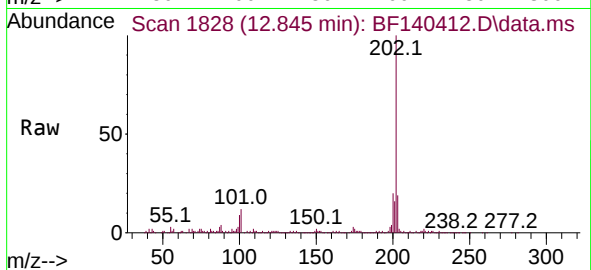
STOCK-PILE

Tgt Ion:	202	Resp:	137774
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.2	24.2
203	18.5	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#79

Terphenyl-d14

Concen: 5.267 ng

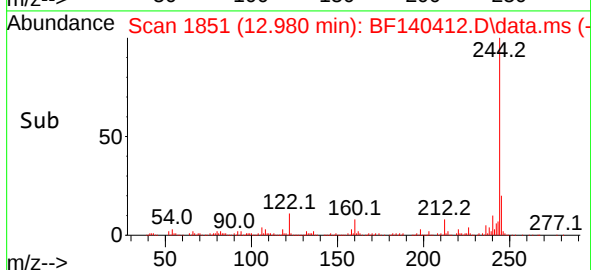
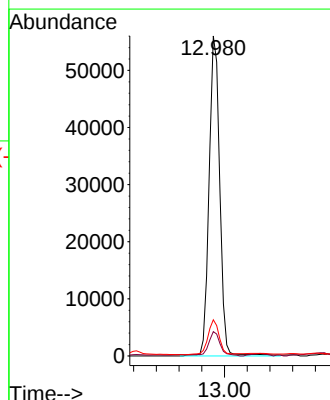
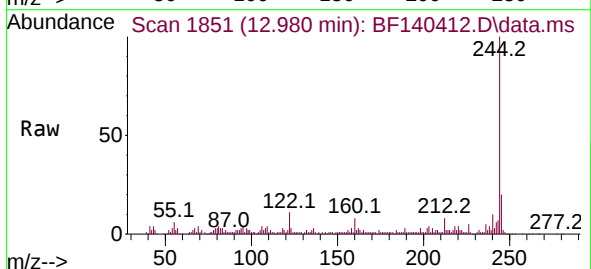
RT: 12.980 min Scan# 1851

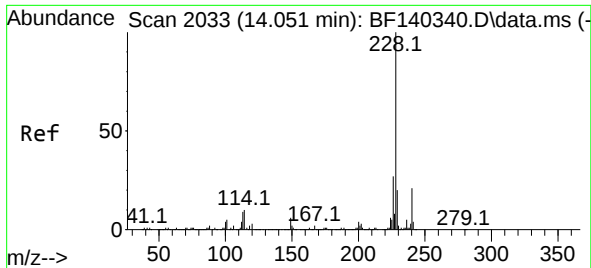
Delta R.T. -0.006 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Tgt Ion:	244	Resp:	72689
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.8	8.8
122	11.3	8.8	13.2





#81
Benzo(a)anthracene
Concen: 3.644 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

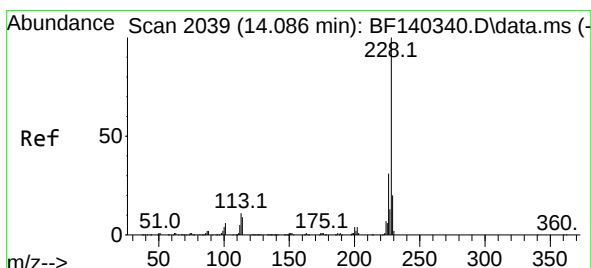
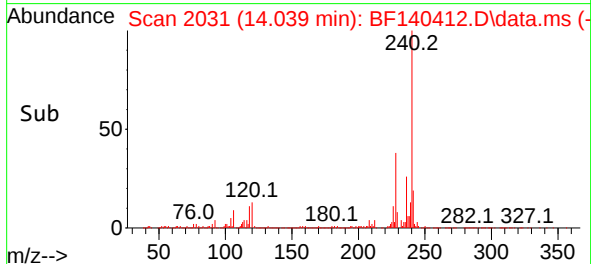
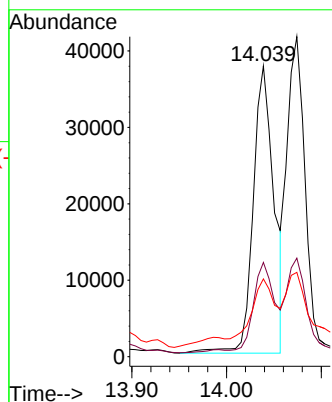
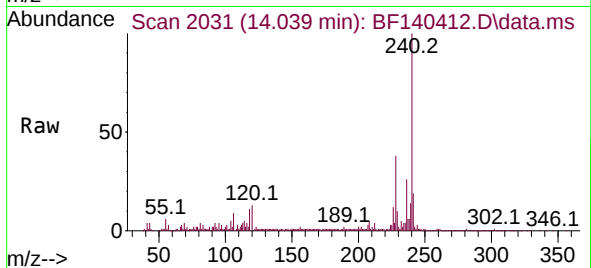
STOCK-PILE

Tgt Ion:228 Resp: 5736
Ion Ratio Lower Upper
228 100
226 32.4 22.2 33.4
229 26.7 15.8 23.6

Manual Integrations

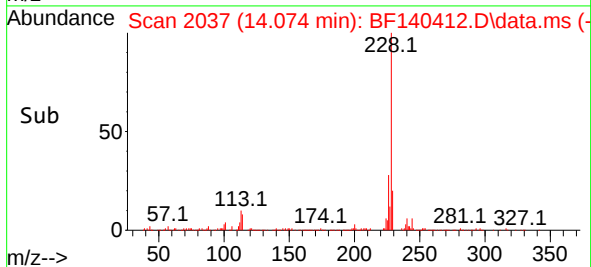
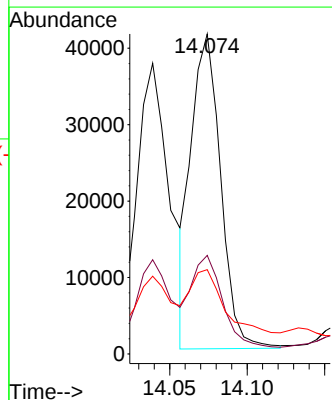
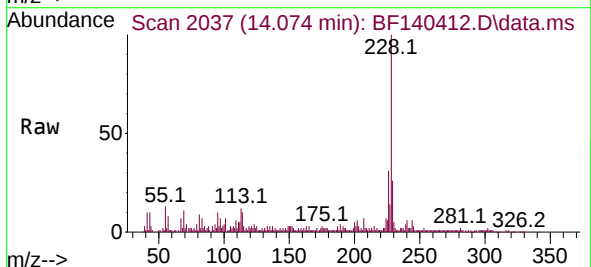
APPROVED

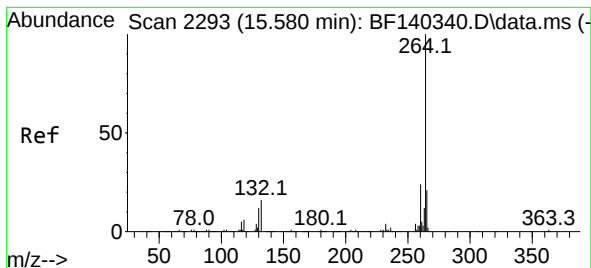
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#83
Chrysene
Concen: 3.798 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Tgt Ion:228 Resp: 54559
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 26.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE

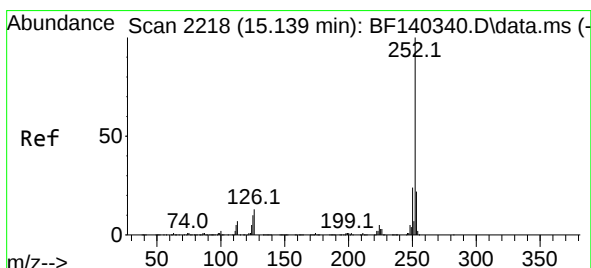
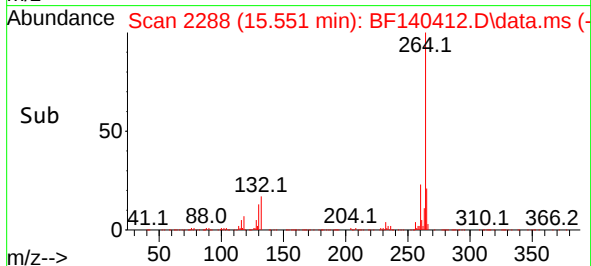
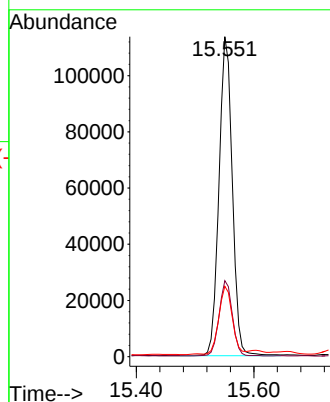
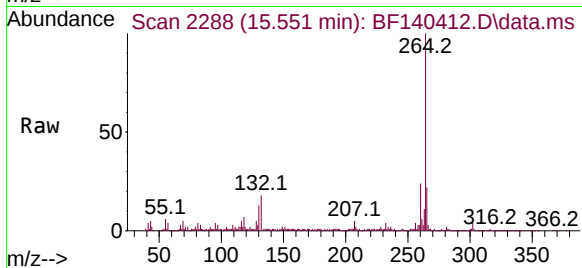
Tgt Ion:264 Resp: 17867
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.0 17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#88

Benzo(b)fluoranthene

Concen: 3.081 ng m

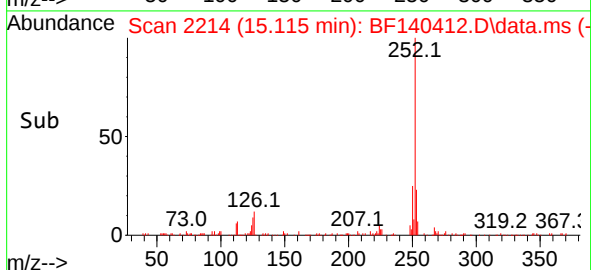
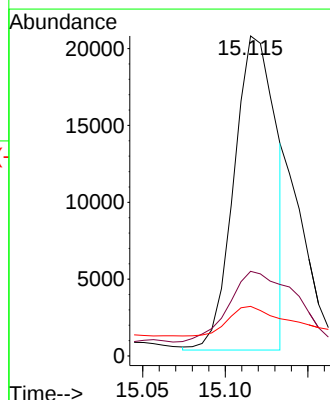
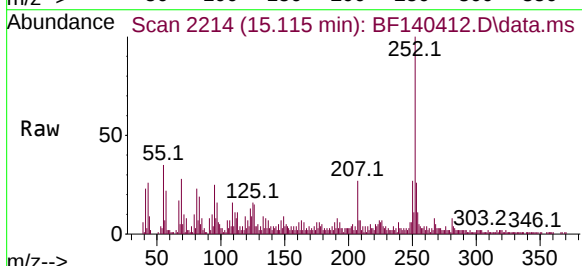
RT: 15.115 min Scan# 2214

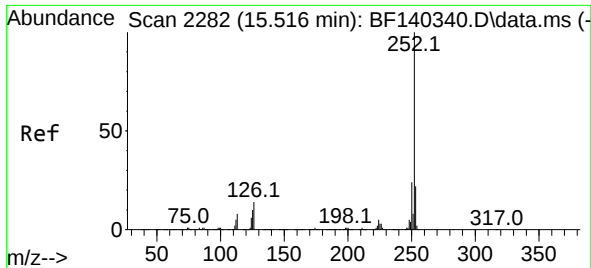
Delta R.T. -0.000 min

Lab File: BF140412.D

Acq: 15 Nov 2024 18:58

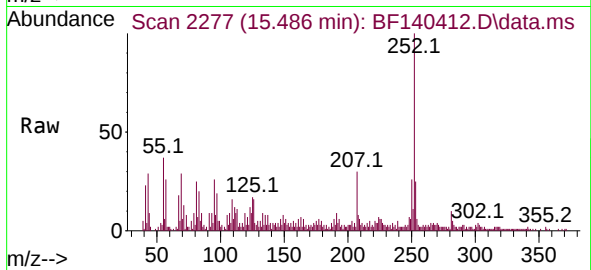
Tgt Ion:252 Resp: 36007
 Ion Ratio Lower Upper
 252 100
 253 26.4 17.5 26.3#
 125 15.5 8.0 12.0#





#90
Benzo(a)pyrene
Concen: 3.284 ng
RT: 15.486 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140412.D
Acq: 15 Nov 2024 18:58

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE



Tgt Ion:252 Resp: 29800
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.6
125 17.1 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

