

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
 Data File : BF140414.D
 Acq On : 15 Nov 2024 19:51
 Operator : RC/JU
 Sample : P4850-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-11142024

Manual Integrations
 APPROVED

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

Quant Time: Nov 15 22:15:14 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	127042	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	451189	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	210152	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	324870	20.000	ng	0.00
76) Chrysene-d12	14.045	240	217441	20.000	ng	0.00
86) Perylene-d12	15.527	264	159028	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	70058	9.415	ng	0.01
7) Phenol-d6	6.510	99	92237	9.150	ng	0.00
23) Nitrobenzene-d5	7.434	82	57792	6.674	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	14591	6.982	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	110978	8.489	ng	0.00
79) Terphenyl-d14	12.980	244	91912	7.337	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	148031	9.700	ng	99
72) Anthracene	11.475	178	43211	2.889	ng	97
75) Fluoranthene	12.616	202	244473	14.279	ng	98
78) Pyrene	12.845	202	216677	11.650	ng	99
81) Benzo(a)anthracene	14.033	228	94351	6.602	ng	95
83) Chrysene	14.069	228	78053	5.986	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	26198	2.667	ng	93
88) Benzo(b)fluoranthene	15.092	252	73238m	7.040	ng	
89) Benzo(k)fluoranthene	15.110	252	28157m	3.313	ng	
90) Benzo(a)pyrene	15.463	252	49375	6.112	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	27220	3.279	ng	93

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

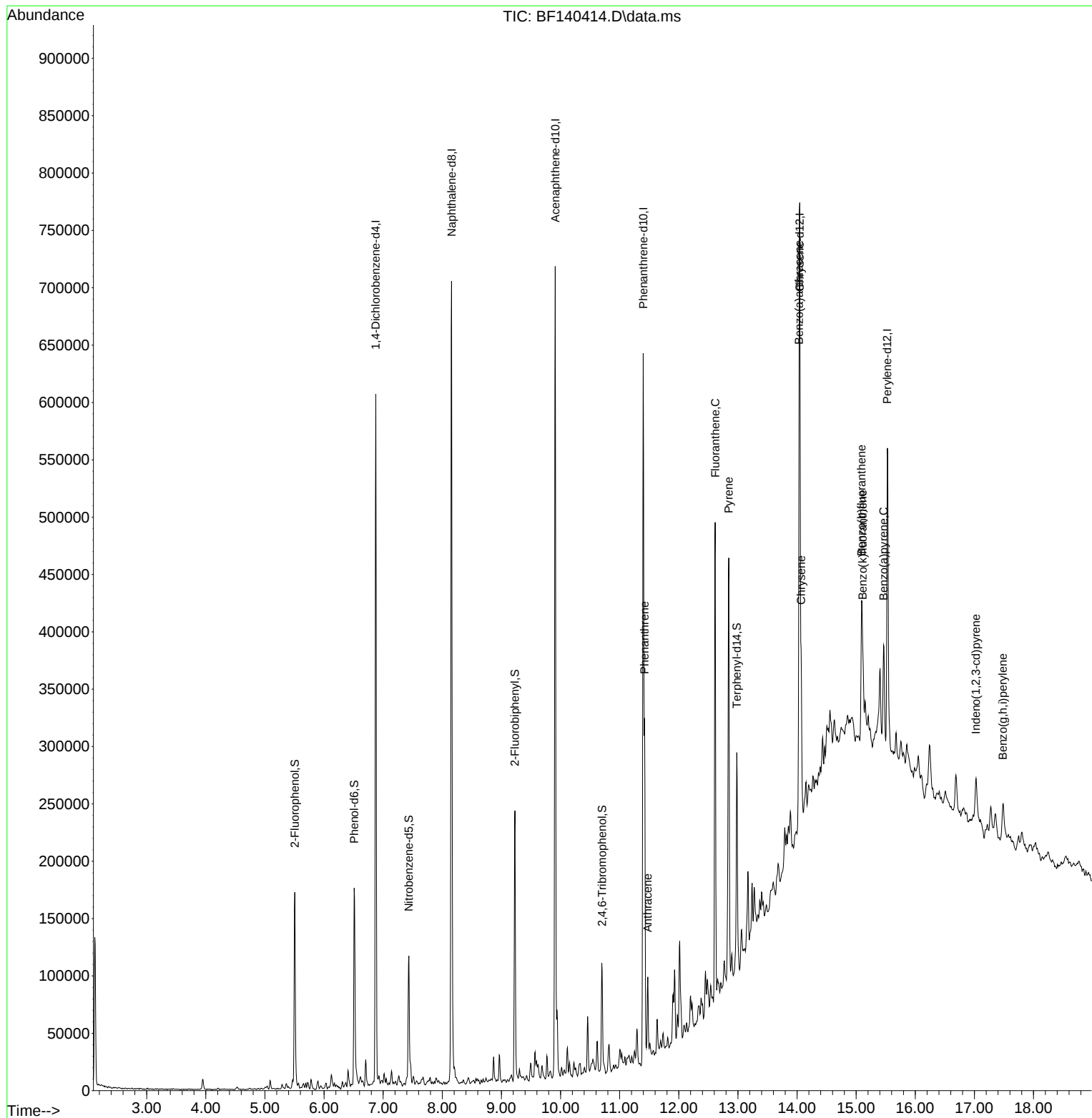
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111524\
Data File : BF140414.D
Acq On : 15 Nov 2024 19:51
Operator : RC/JU
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ALS Vial : 25 Sample Multiplier: 1

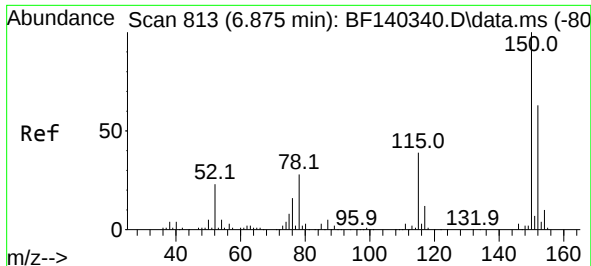
Instrument :
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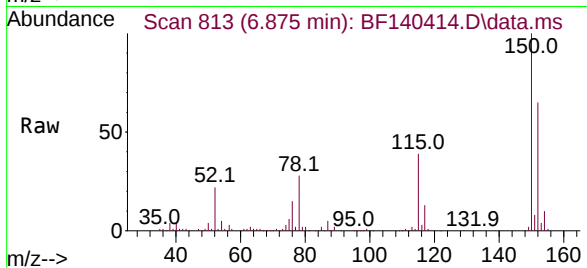
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024



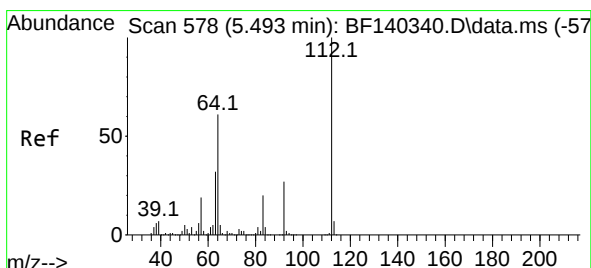
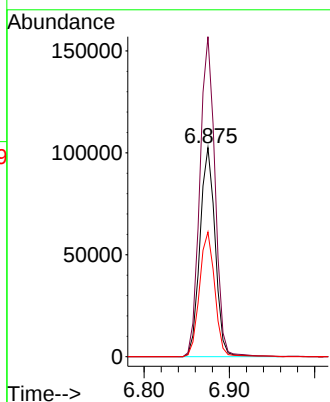
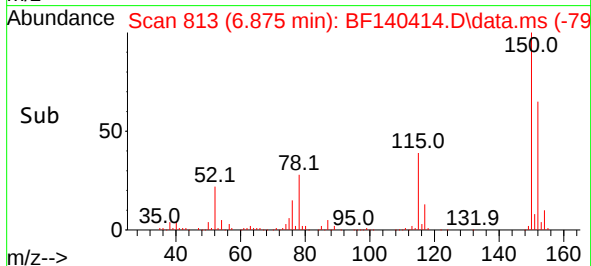
Tgt Ion:152 Resp: 12704
Ion Ratio Lower Upper
152 100
150 153.0 127.4 191.0
115 59.6 47.4 71.2

Manual Integrations

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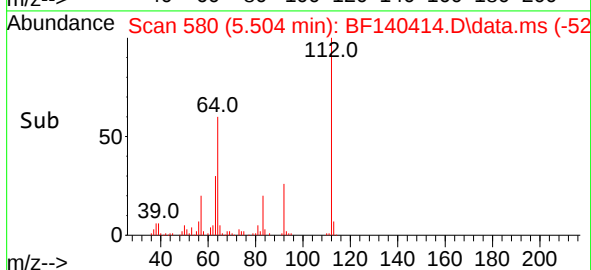
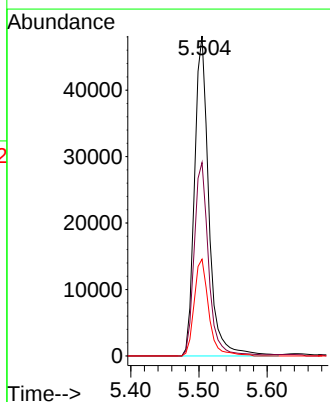
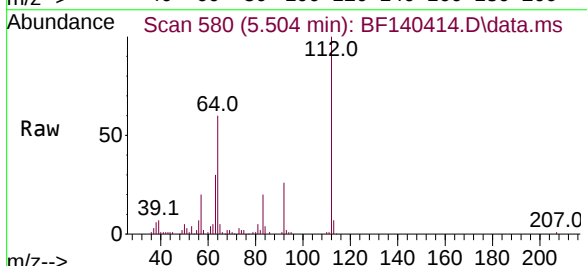
Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#5
2-Fluorophenol
Concen: 9.415 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

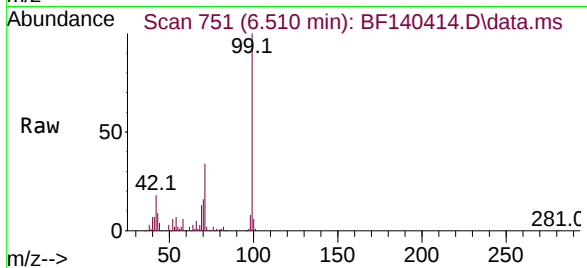
Tgt Ion:112 Resp: 70058
Ion Ratio Lower Upper
112 100
64 60.4 49.2 73.8
63 30.3 25.6 38.4





#7
Phenol-d6
Concen: 9.150 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

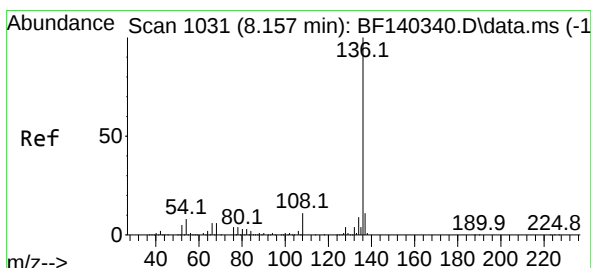
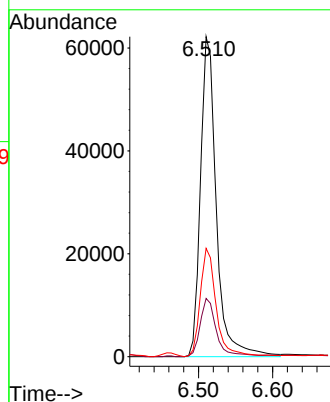
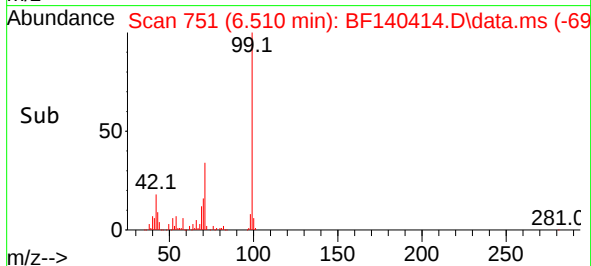
Instrument :
BNA_F
ClientSampleId :
OR-03-11142024



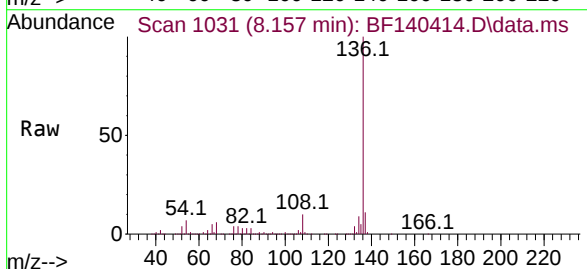
Tgt Ion: 99 Resp: 9223
Ion Ratio Lower Upper
99 100
42 18.2 15.1 22.7
71 33.8 27.9 41.9

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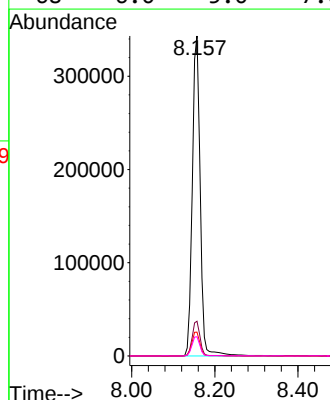
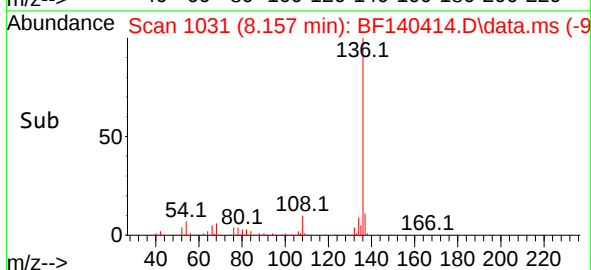
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

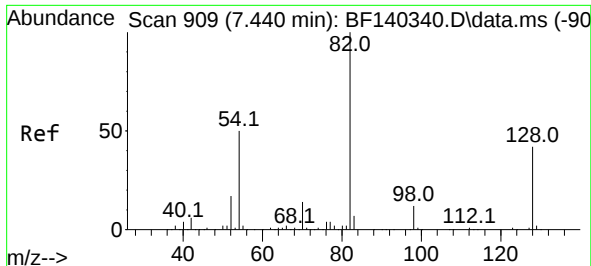


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51



Tgt Ion:136 Resp: 451189
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.4 6.5 9.7
68 6.0 5.0 7.6





#23

Nitrobenzene-d5

Concen: 6.674 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

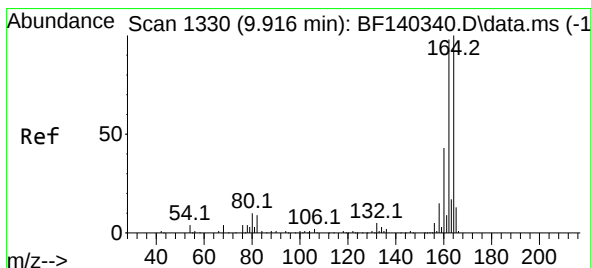
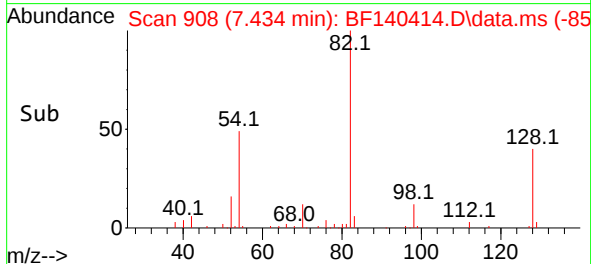
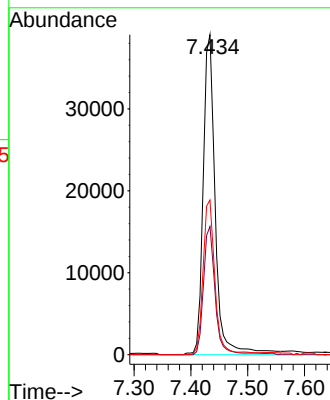
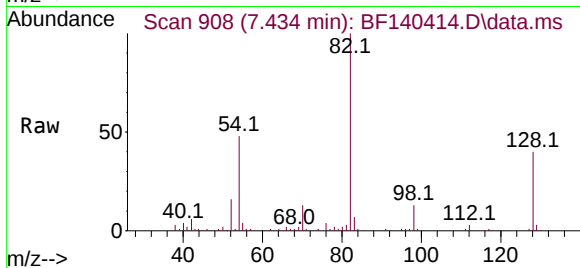
Tgt Ion: 82	Resp: 57792
Ion Ratio	Lower Upper
82 100	
128 40.1	33.3 49.9
54 48.3	39.8 59.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

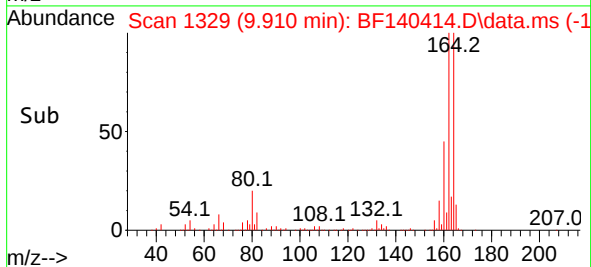
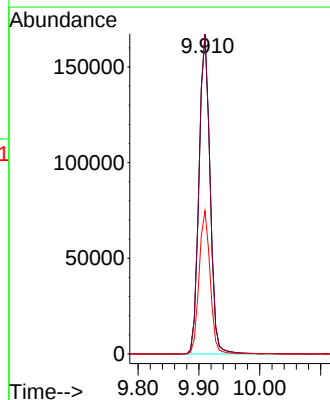
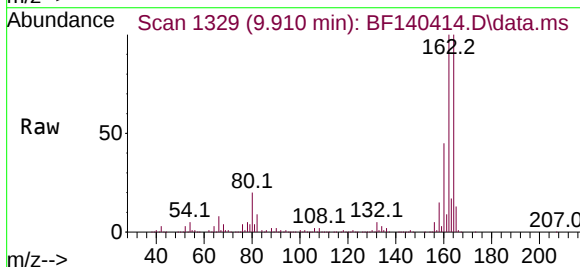
RT: 9.910 min Scan# 1329

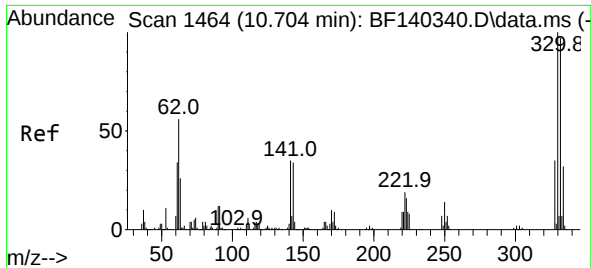
Delta R.T. -0.006 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Tgt Ion:164	Resp: 210152
Ion Ratio	Lower Upper
164 100	
162 100.2	79.8 119.8
160 44.8	35.4 53.0





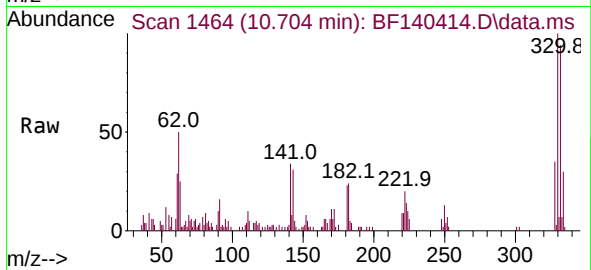
#42
2,4,6-Tribromophenol
Concen: 6.982 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.000 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024



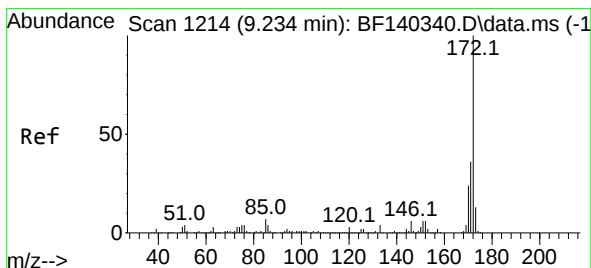
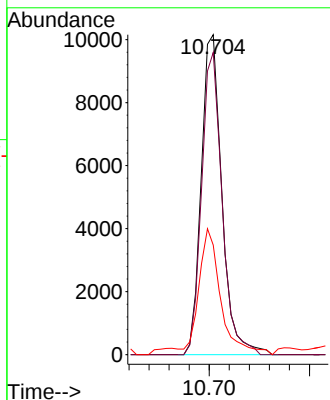
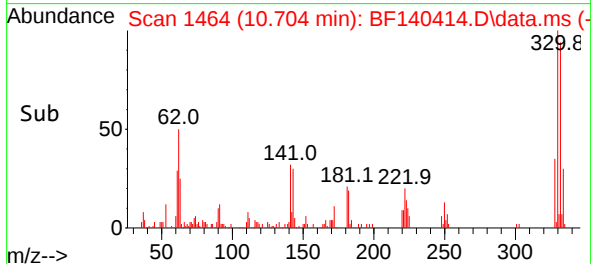
Tgt Ion:330 Resp: 1459
Ion Ratio Lower Upper
330 100
332 93.3 75.9 113.9
141 41.7 26.9 40.3

Manual Integrations

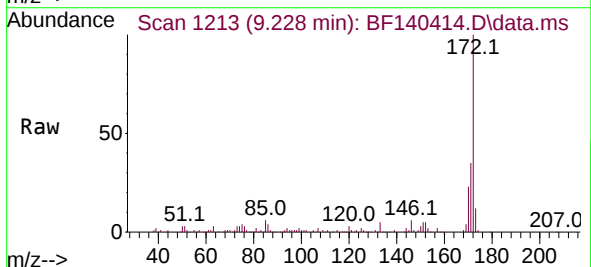
APPROVED

Reviewed By :Yogesh Patel 11/18/2024

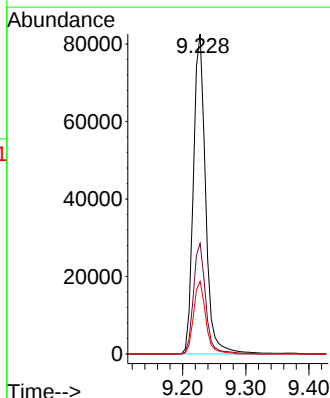
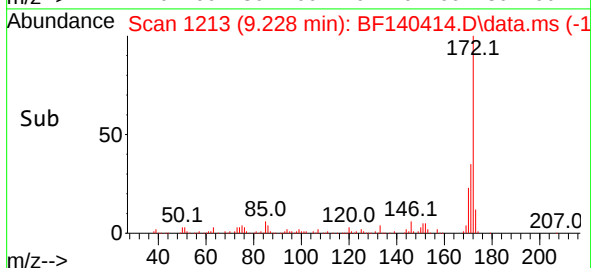
Supervised By :mohammad ahmed 11/18/2024

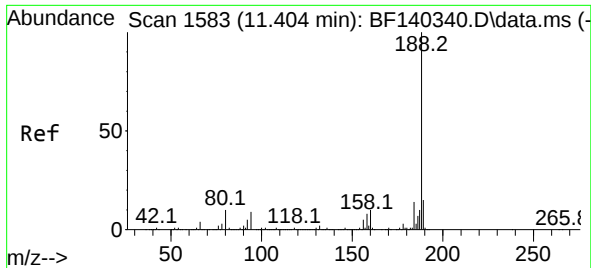


#45
2-Fluorobiphenyl
Concen: 8.489 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51



Tgt Ion:172 Resp: 110978
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 22.7 19.1 28.7





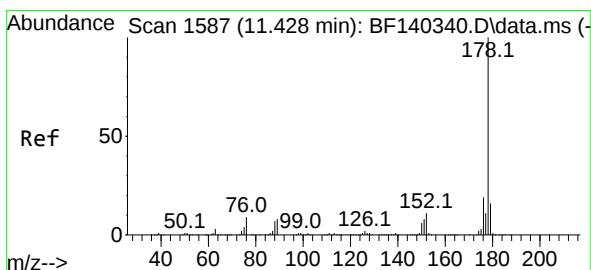
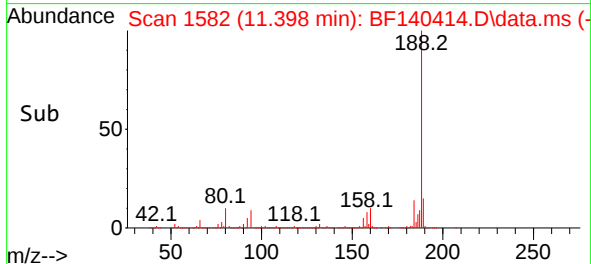
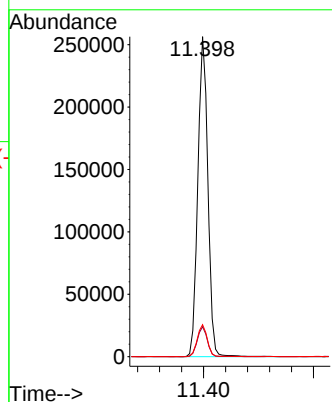
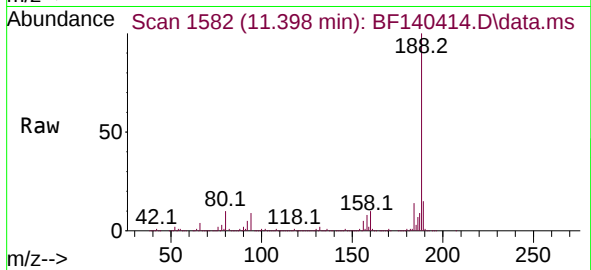
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Instrument :
BNA_F
ClientSampleId :
OR-03-11142024

Tgt Ion:188 Resp: 324870
Ion Ratio Lower Upper
188 100
94 9.3 7.6 11.4
80 10.0 8.0 12.0

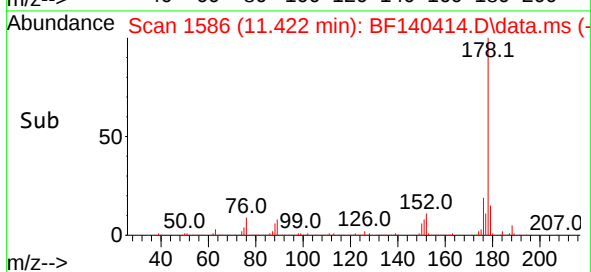
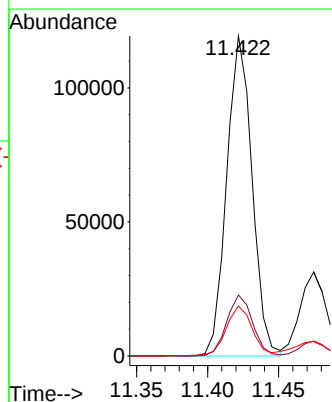
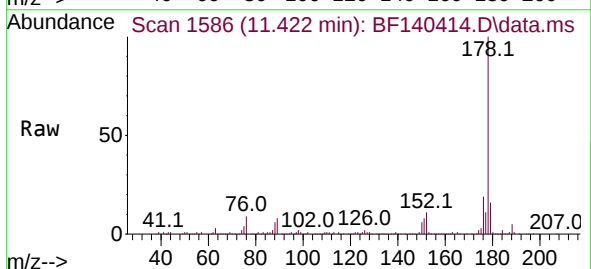
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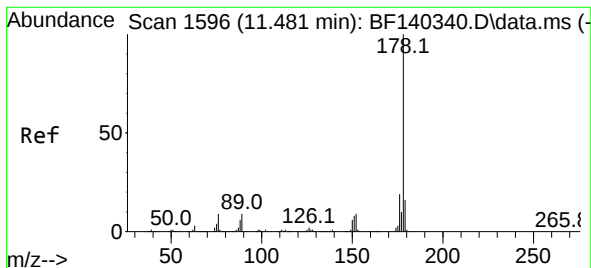
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#71
Phenanthrene
Concen: 9.700 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:178 Resp: 148031
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.4 18.6





#72

Anthracene

Concen: 2.889 ng

RT: 11.475 min Scan# 1596

Delta R.T. -0.006 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

Tgt Ion:178 Resp: 4321

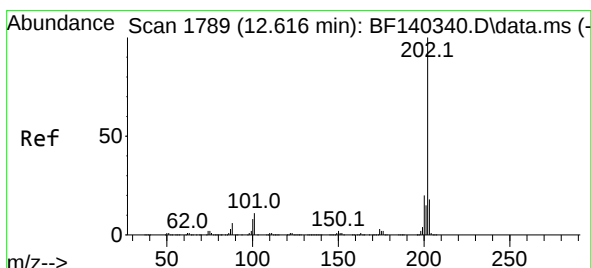
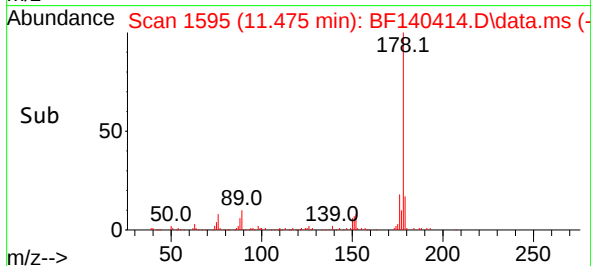
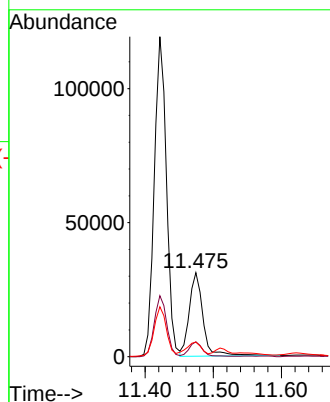
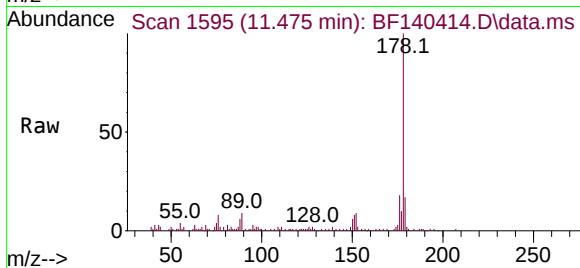
Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	17.3	12.6	18.8

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Supervised By :mohammad ahmed 11/18/2024



#75

Fluoranthene

Concen: 14.279 ng

RT: 12.616 min Scan# 1789

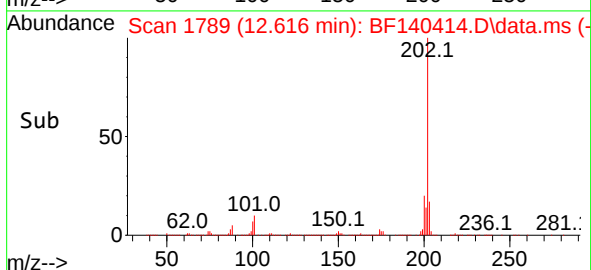
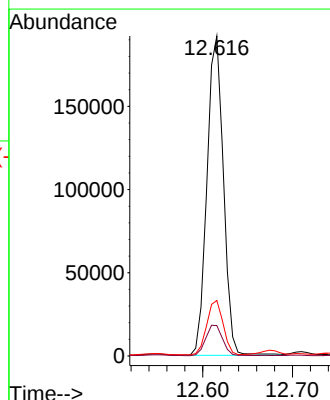
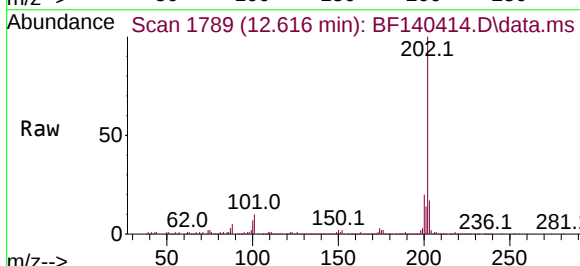
Delta R.T. 0.000 min

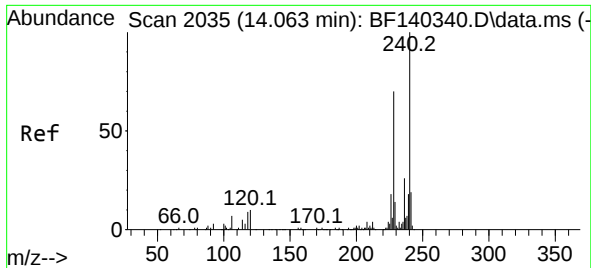
Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Tgt Ion:202 Resp: 244473

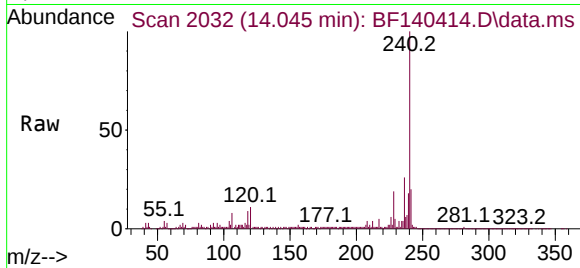
Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.7
203	17.4	0.0	37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

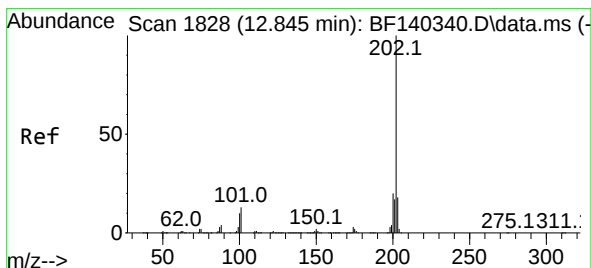
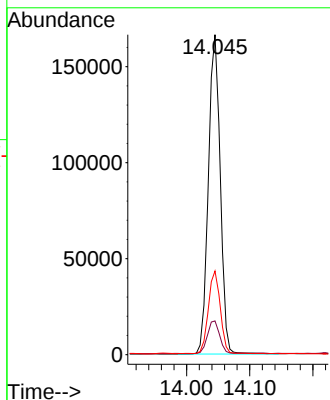
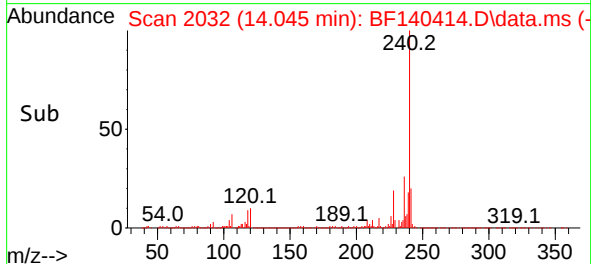
Instrument :
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OR-03-11142024



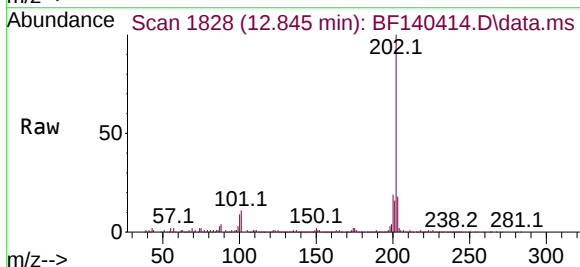
Tgt Ion:240 Resp: 21744
Ion Ratio Lower Upper
240 100
120 10.5 8.8 13.2
236 26.2 20.9 31.3

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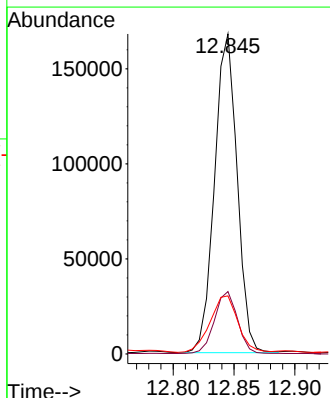
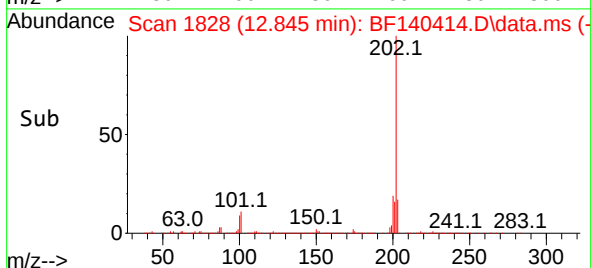
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024

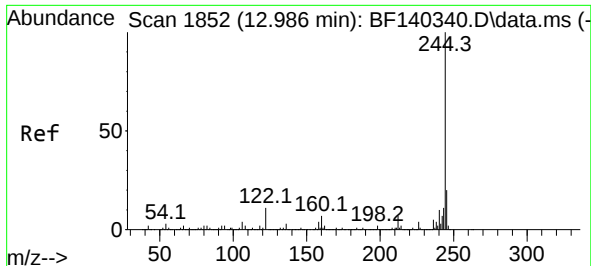


#78
Pyrene
Concen: 11.650 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51



Tgt Ion:202 Resp: 216677
Ion Ratio Lower Upper
202 100
200 19.5 16.2 24.2
203 18.1 14.2 21.4





#79
 Terphenyl-d14
 Concen: 7.337 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140414.D
 Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

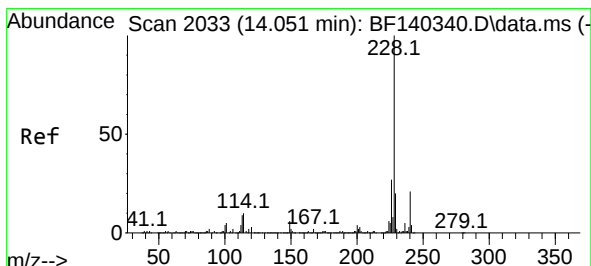
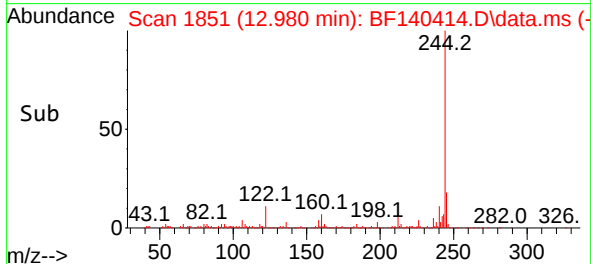
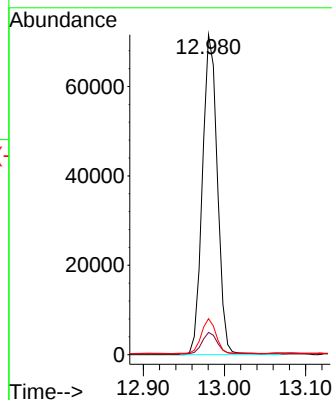
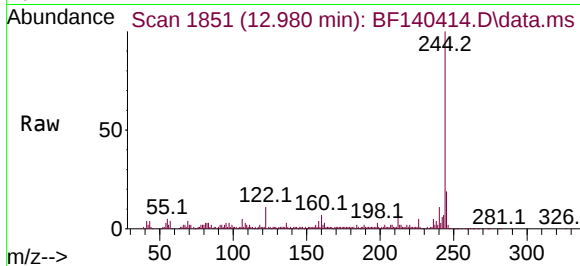
OR-03-11142024

Tgt Ion:244 Resp: 9191
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.8
 122 11.2 8.8 13.2

Manual Integrations

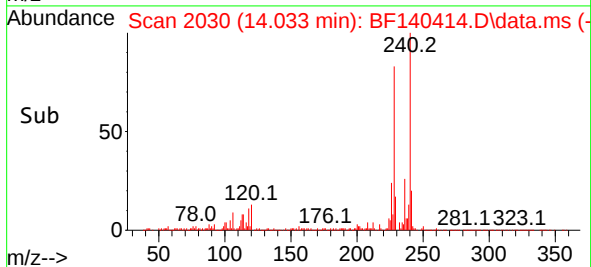
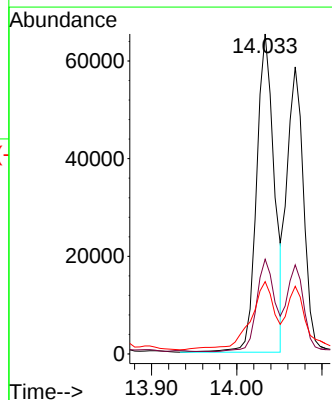
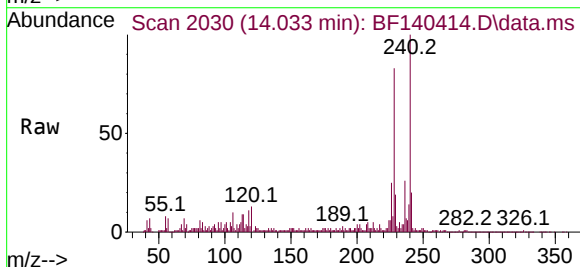
APPROVED

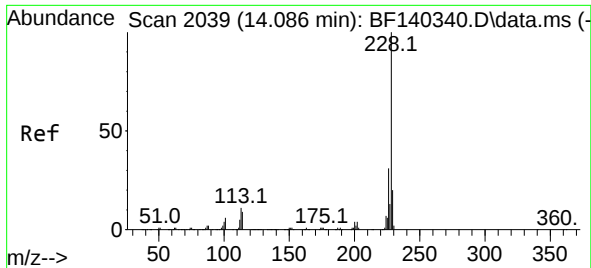
Reviewed By :Yogesh Patel 11/18/2024
 Supervised By :mohammad ahmed 11/18/2024



#81
 Benzo(a)anthracene
 Concen: 6.602 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF140414.D
 Acq: 15 Nov 2024 19:51

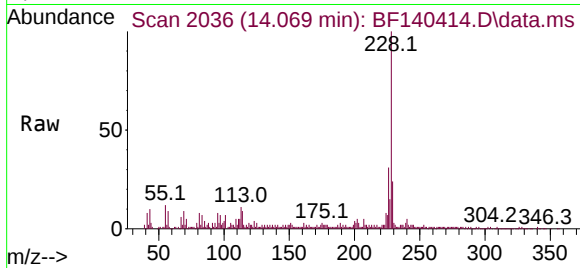
Tgt Ion:228 Resp: 94351
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.2 33.4
 229 22.6 15.8 23.6





#83
Chrysene
Concen: 5.986 ng
RT: 14.069 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

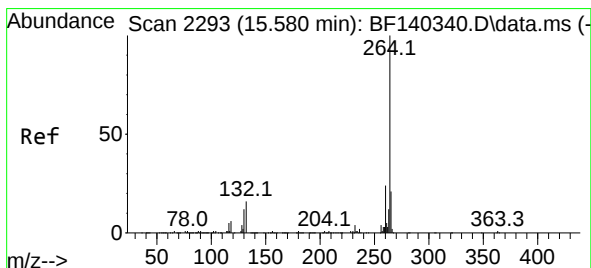
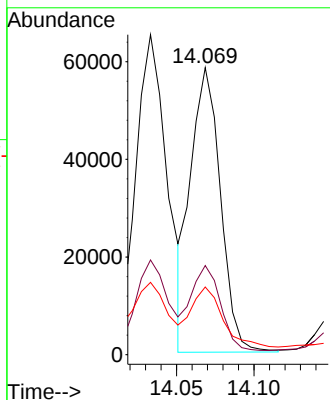
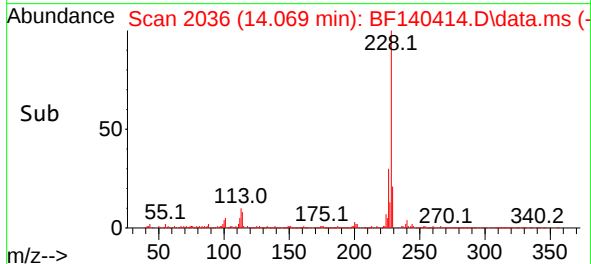
Instrument :
BNA_F
ClientSampleId :
OR-03-11142024



Tgt Ion:228 Resp: 7805
Ion Ratio Lower Upper
228 100
226 31.1 24.5 36.7
229 23.6 16.0 24.0

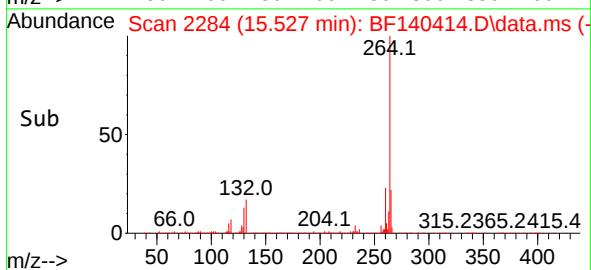
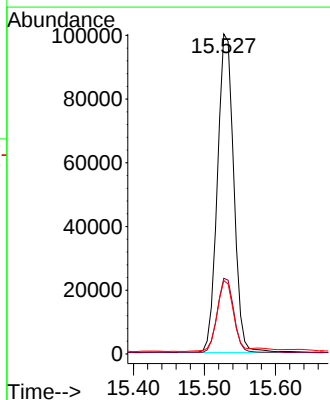
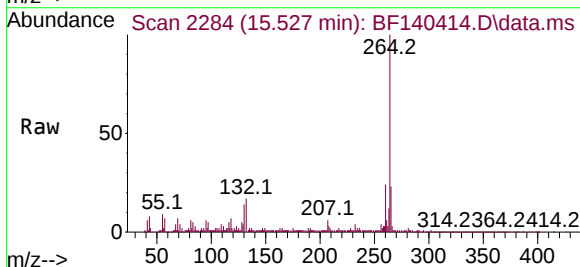
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APPROVED

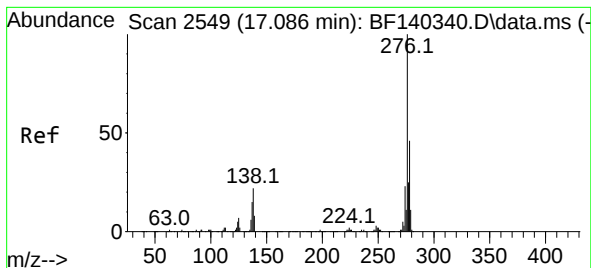
Reviewed By :Yogesh Patel 11/18/2024
Supervised By :mohammad ahmed 11/18/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. -0.029 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Tgt Ion:264 Resp: 159028
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 22.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.667 ng

RT: 17.027 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

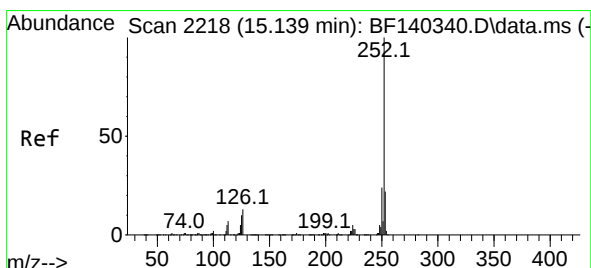
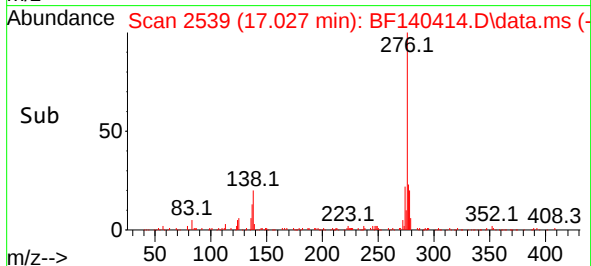
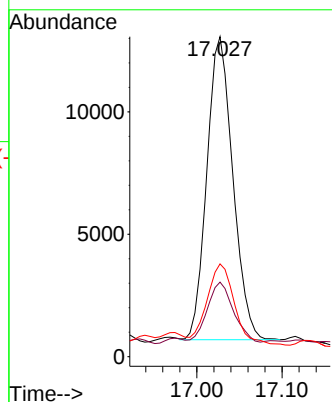
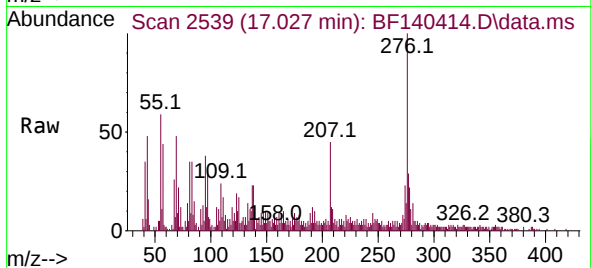
Tgt Ion:	276	Resp:	26198
Ion Ratio	Lower	Upper	
276	100		
138	20.1	18.8	28.2
277	28.4	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#88

Benzo(b)fluoranthene

Concen: 7.040 ng m

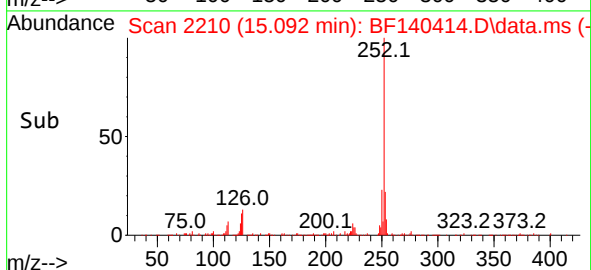
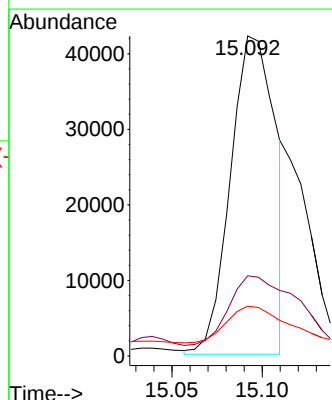
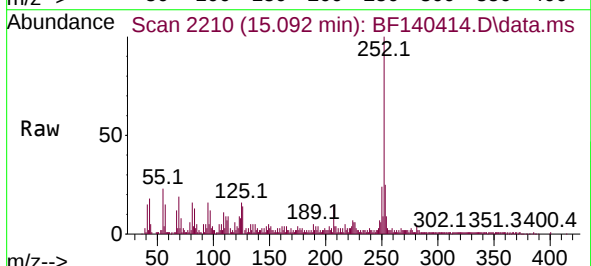
RT: 15.092 min Scan# 2210

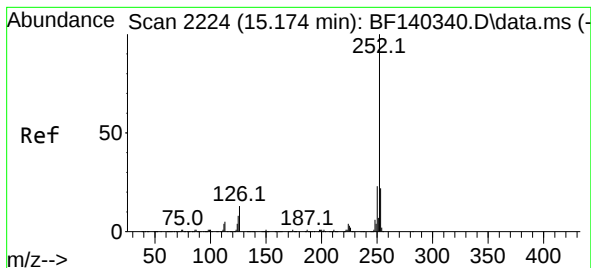
Delta R.T. -0.024 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Tgt Ion:	252	Resp:	73238
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.5	26.3
125	15.5	8.0	12.0





#89

Benzo(k)fluoranthene

Concen: 3.313 ng m

RT: 15.110 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024

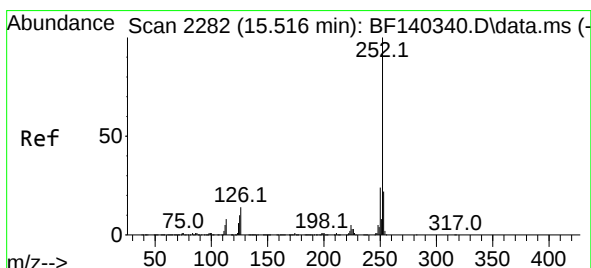
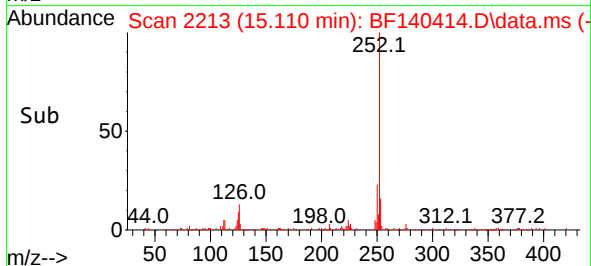
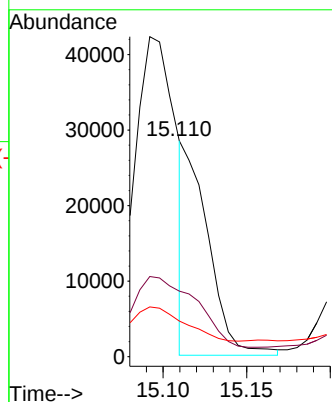
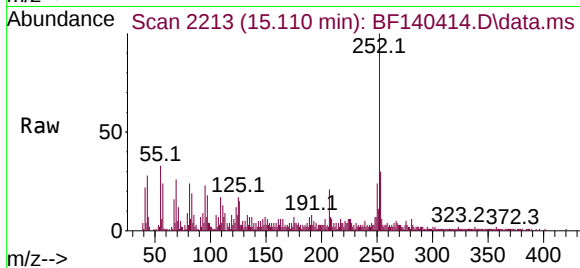
Tgt Ion:	252	Resp:	2815
Ion Ratio	Lower	Upper	
252	100		
253	30.4	17.3	25.9
125	16.5	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024



#90

Benzo(a)pyrene

Concen: 6.112 ng

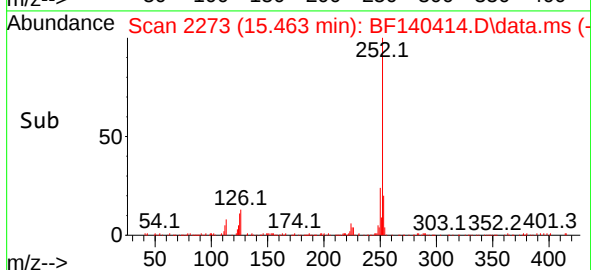
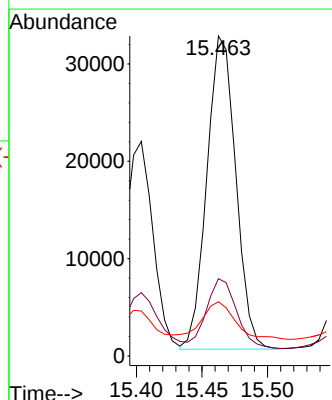
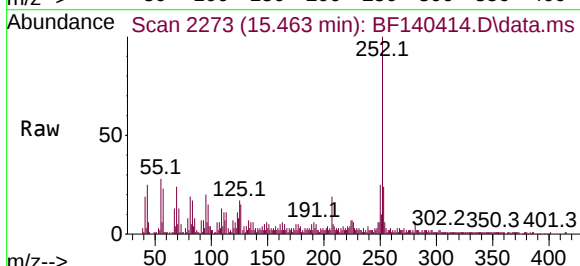
RT: 15.463 min Scan# 2273

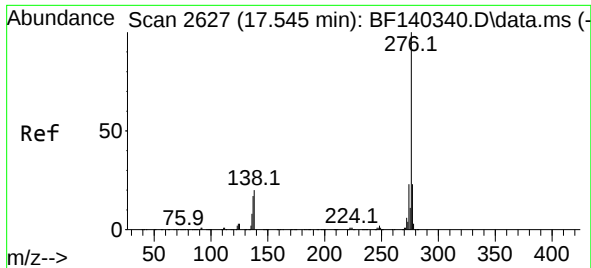
Delta R.T. -0.029 min

Lab File: BF140414.D

Acq: 15 Nov 2024 19:51

Tgt Ion:	252	Resp:	49375
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	16.9	8.4	12.6





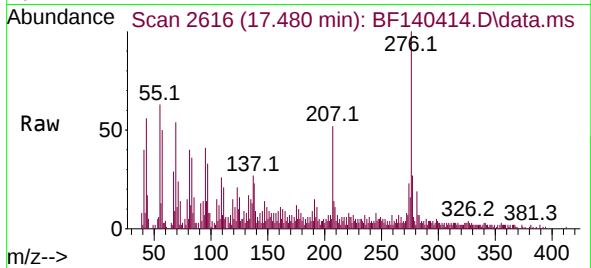
#92
Benzo(g,h,i)perylene
Concen: 3.279 ng
RT: 17.480 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF140414.D
Acq: 15 Nov 2024 19:51

Instrument :

BNA_F

ClientSampleId :

OR-03-11142024



Tgt Ion:276 Resp: 27220
Ion Ratio Lower Upper
276 100
277 27.3 18.6 28.0
138 22.6 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/18/2024

Supervised By :mohammad ahmed 11/18/2024

