

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
 Data File : BF139912.D
 Acq On : 21 Oct 2024 19:34
 Operator : RC/JU
 Sample : P4419-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IB-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

Quant Time: Oct 22 01:19:58 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	6.892	152	141928	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	472788	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	215970	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	387206	20.000	ng	0.00
76) Chrysene-d12	14.057	240	242952	20.000	ng	0.00
86) Perylene-d12	15.533	264	210607	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	963057	106.227	ng	0.01
7) Phenol-d6	6.510	99	1181064	100.585	ng	0.00
23) Nitrobenzene-d5	7.451	82	683419	80.115	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	235150	116.404	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	948213	72.561	ng	0.00
79) Terphenyl-d14	13.004	244	892068	59.831	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	102499	5.604	ng	# 93
75) Fluoranthene	12.627	202	142748	7.720	ng	99
78) Pyrene	12.857	202	146281	6.879	ng	96
81) Benzo(a)anthracene	14.045	228	74467	4.709	ng	# 89
83) Chrysene	14.080	228	60057m	4.142	ng	
88) Benzo(b)fluoranthene	15.098	252	67629m	5.271	ng	
89) Benzo(k)fluoranthene	15.115	252	28780m	2.601	ng	
90) Benzo(a)pyrene	15.468	252	52041	4.930	ng	# 87
92) Benzo(g,h,i)perylene	17.474	276	23050	2.042	ng	# 84

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

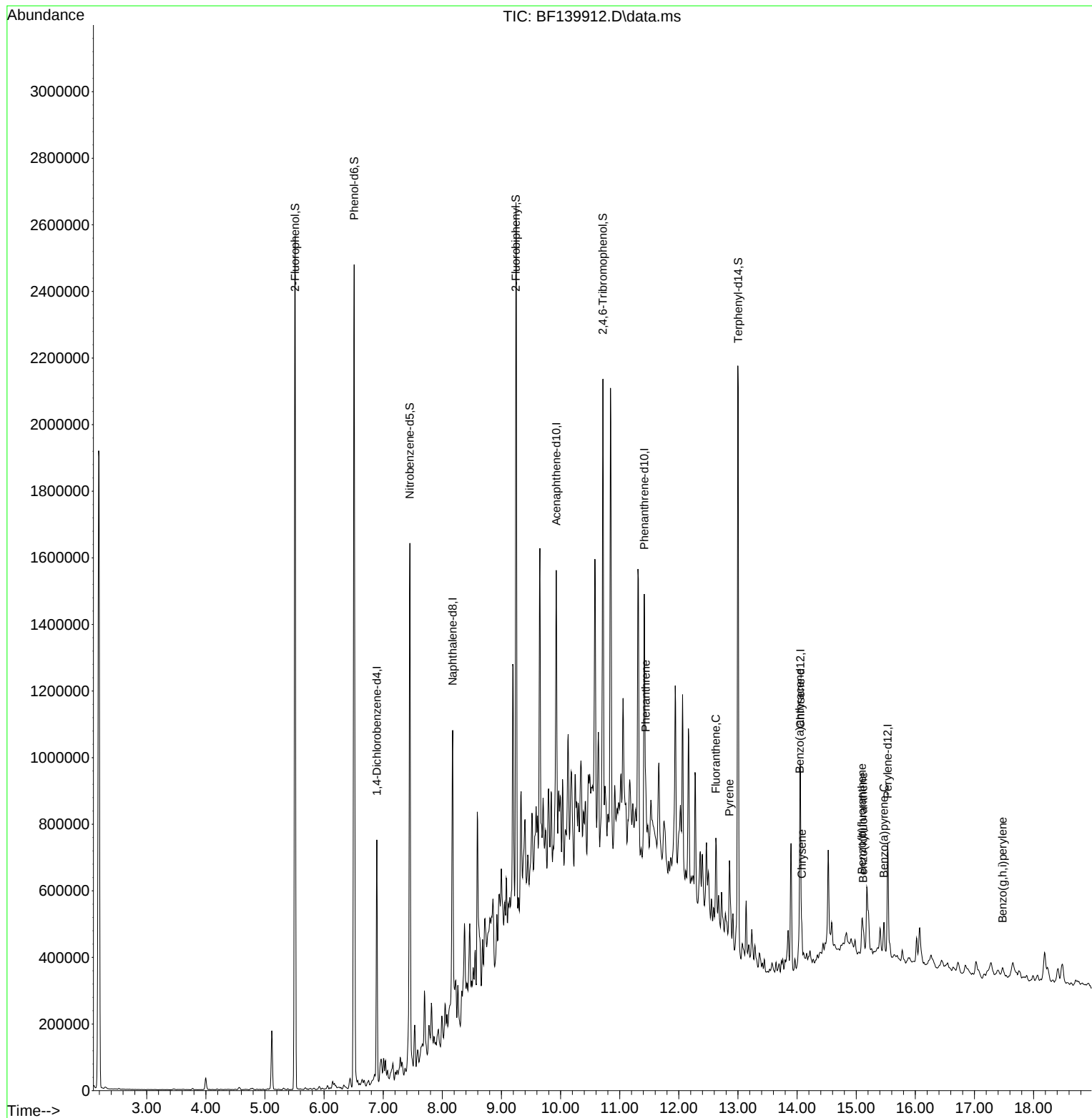
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102124\
Data File : BF139912.D
Acq On : 21 Oct 2024 19:34
Operator : RC/JU
Sample : P4419-01
Misc :
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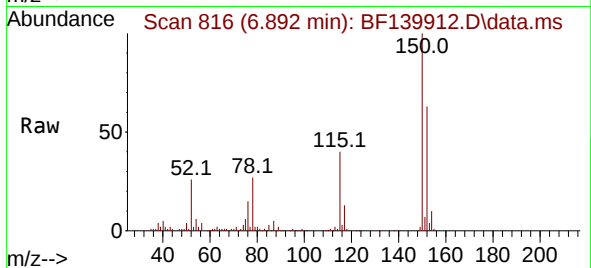
Quant Time: Oct 22 01:19:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

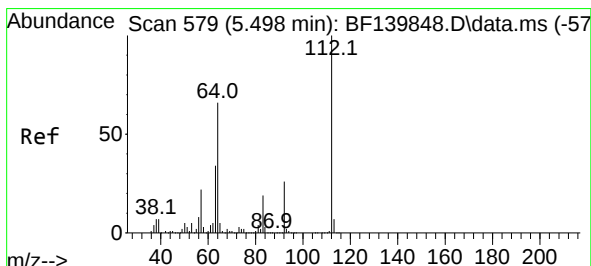
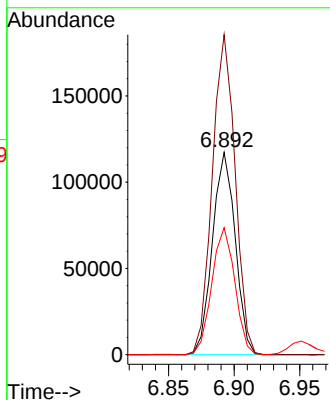
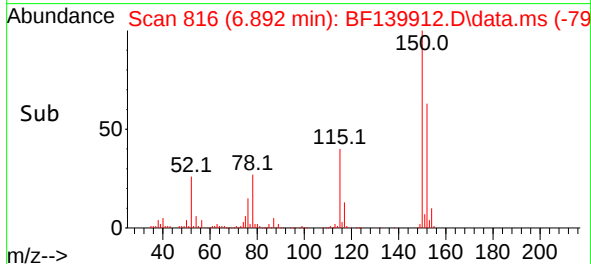
Instrument :
BNA_F
ClientSampleId :
IB-1



Tgt Ion:152 Resp: 141928
Ion Ratio Lower Upper
152 100
150 158.2 130.2 195.2
115 62.8 51.4 77.2

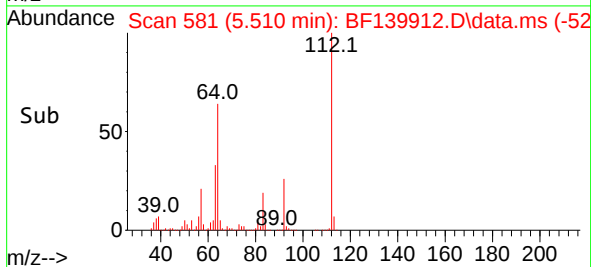
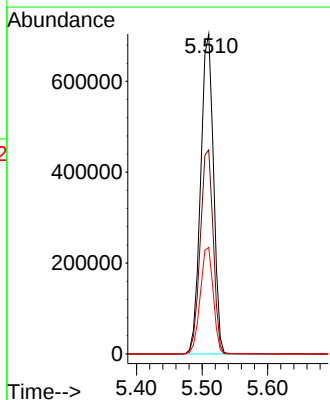
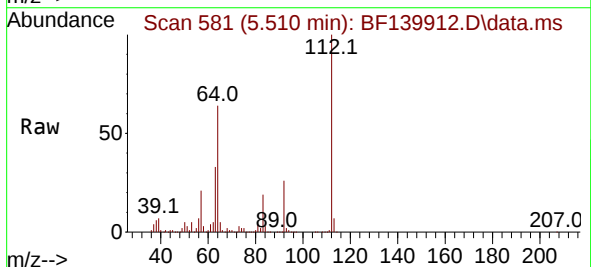
Manual Integrations
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Supervised By :mohammad ahmed 10/23/2024



#5
2-Fluorophenol
Concen: 106.227 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

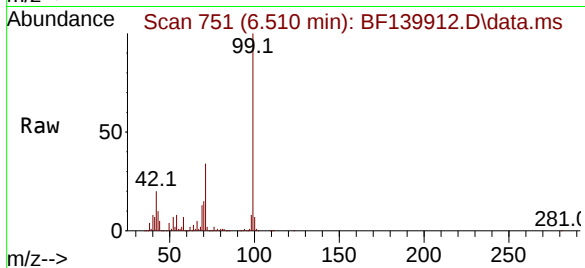
Tgt Ion:112 Resp: 963057
Ion Ratio Lower Upper
112 100
64 63.8 53.0 79.6
63 33.3 27.0 40.4





#7
Phenol-d6
Concen: 100.585 ng
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

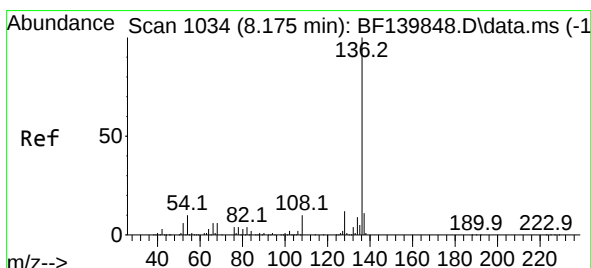
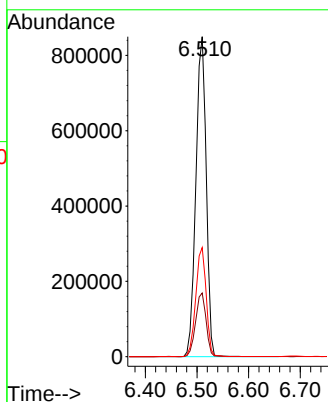
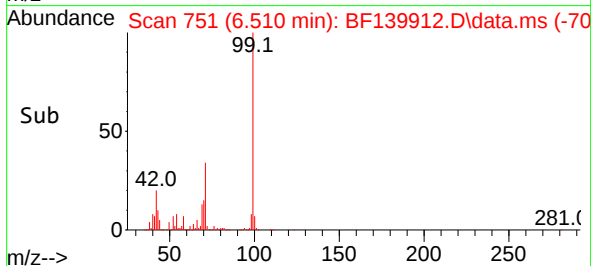
Instrument :
BNA_F
ClientSampleId :
IB-1



Tgt Ion: 99 Resp: 1181064
Ion Ratio Lower Upper
99 100
42 19.9 16.7 25.1
71 34.1 27.7 41.5

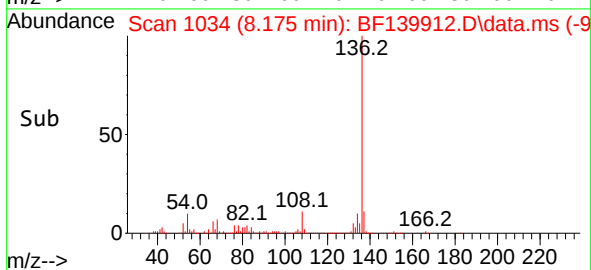
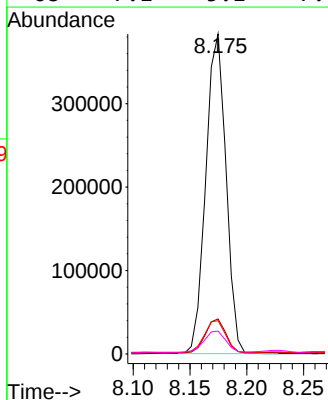
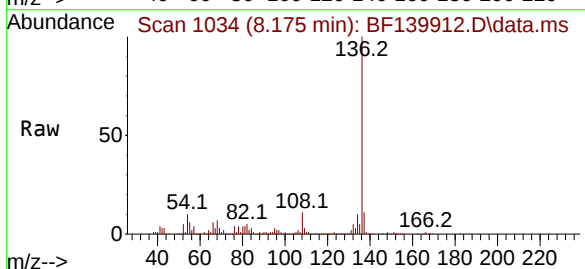
Manual Integrations
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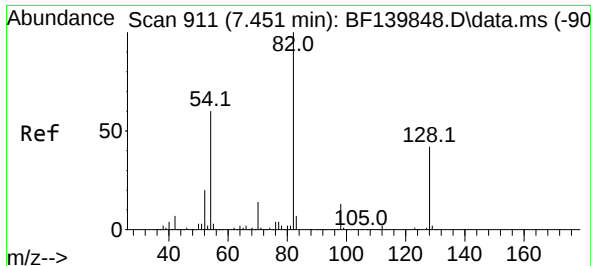
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

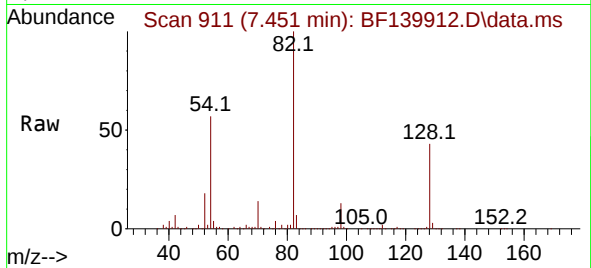
Tgt Ion:136 Resp: 472788
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.4 8.4 12.6
68 7.1 5.1 7.7





#23
Nitrobenzene-d5
Concen: 80.115 ng
RT: 7.451 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

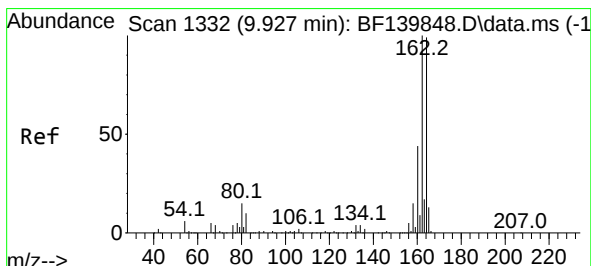
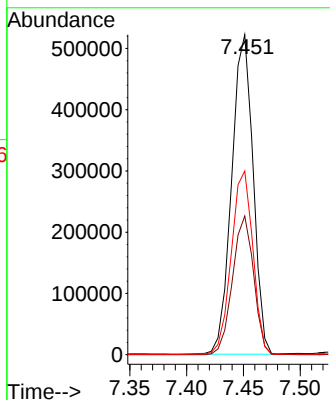
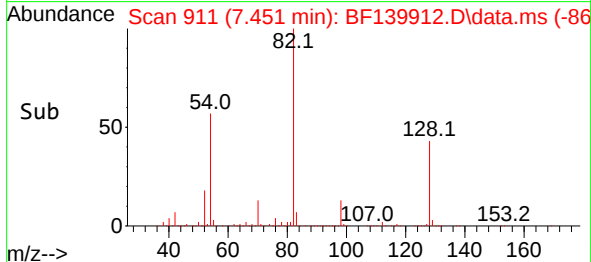
Instrument :
BNA_F
ClientSampleId :
IB-1



Tgt Ion: 82 Resp: 683419
Ion Ratio Lower Upper
82 100
128 43.3 33.4 50.0
54 57.4 47.8 71.8

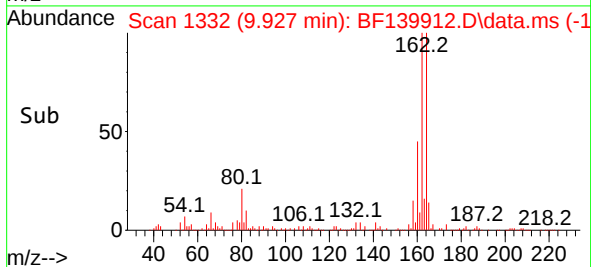
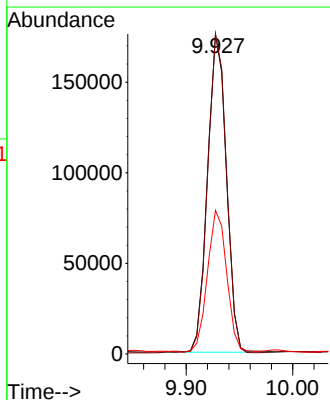
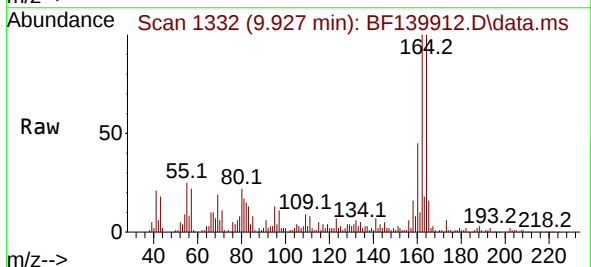
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

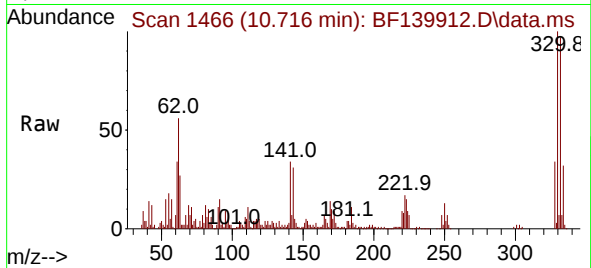
Tgt Ion:164 Resp: 215970
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 44.9 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 116.404 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

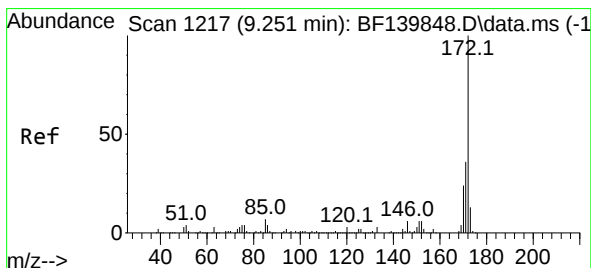
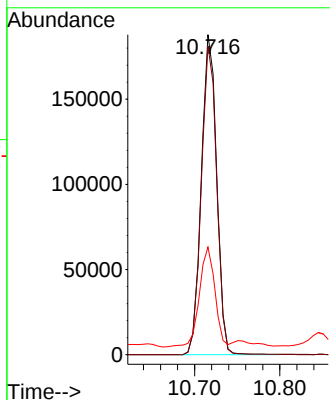
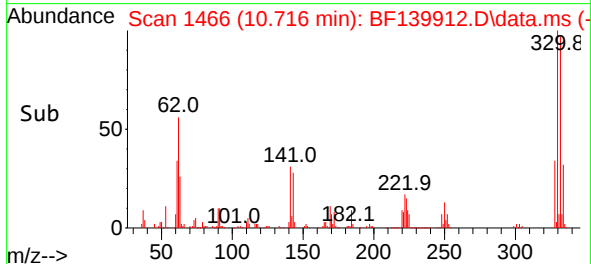
Instrument :
BNA_F
ClientSampleId :
IB-1



Tgt Ion:330 Resp: 235150
Ion Ratio Lower Upper
330 100
332 96.7 78.1 117.1
141 31.6 26.6 39.8

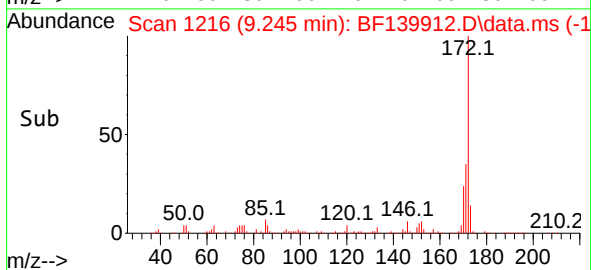
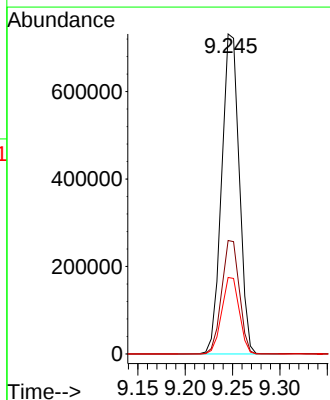
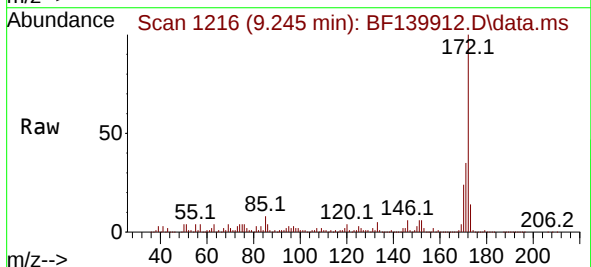
Manual Integrations
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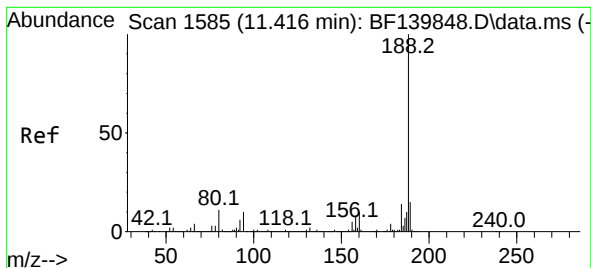
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#45
2-Fluorobiphenyl
Concen: 72.561 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

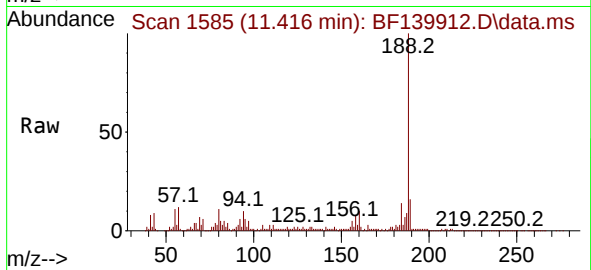
Tgt Ion:172 Resp: 948213
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.9 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

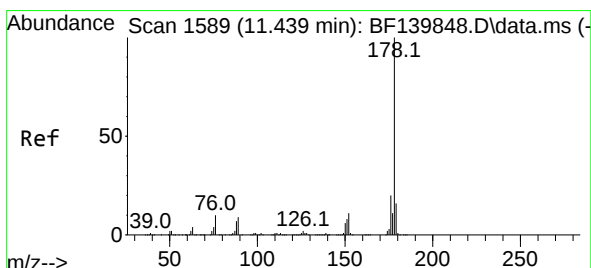
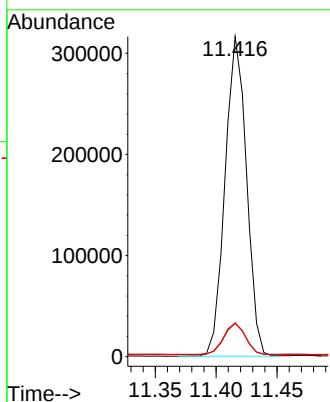
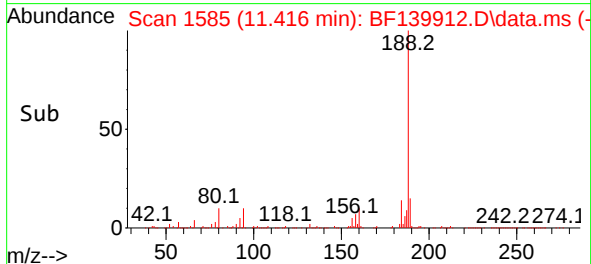
Instrument :
BNA_F
ClientSampleId :
IB-1



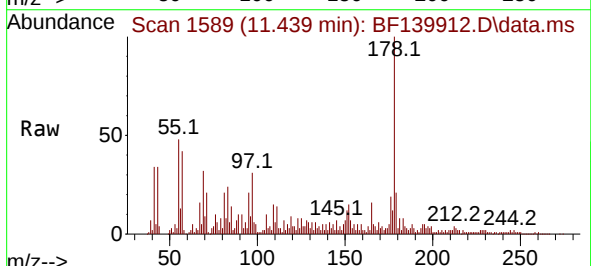
Tgt Ion:188 Resp: 387200
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 10.6 9.0 13.4

Manual Integrations
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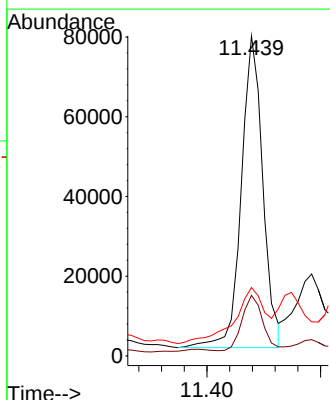
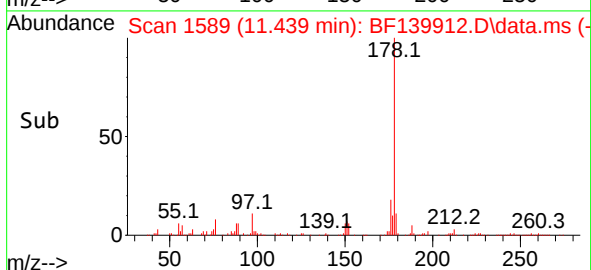
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024

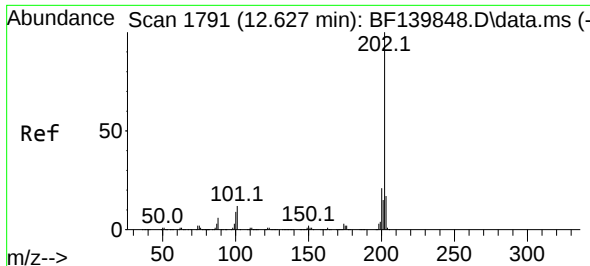


#71
Phenanthrene
Concen: 5.604 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34



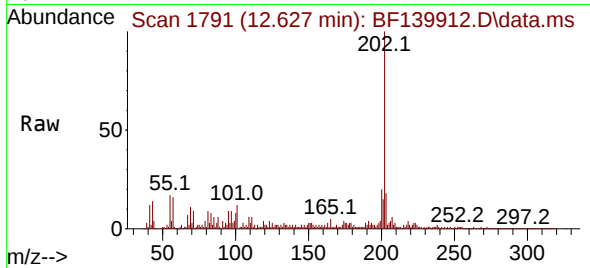
Tgt Ion:178 Resp: 102499
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 21.4 12.6 18.8#





#75
Fluoranthene
Concen: 7.720 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

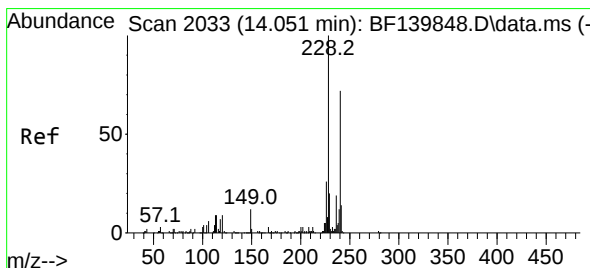
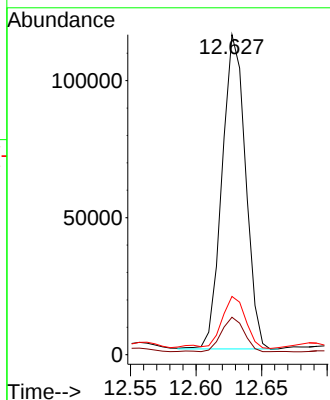
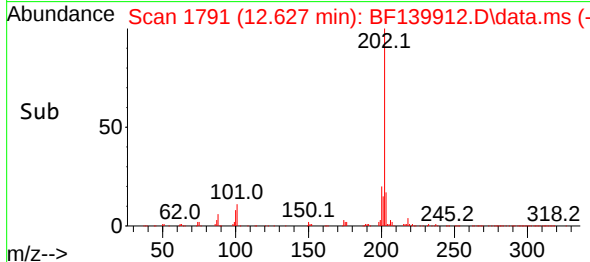
Instrument :
BNA_F
ClientSampleId :
IB-1



Tgt Ion:202 Resp: 142748
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 18.2 0.0 37.5

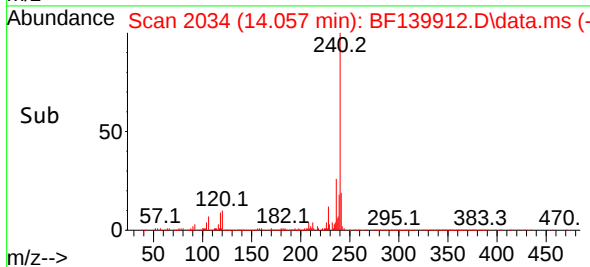
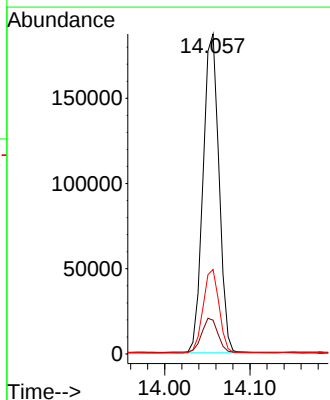
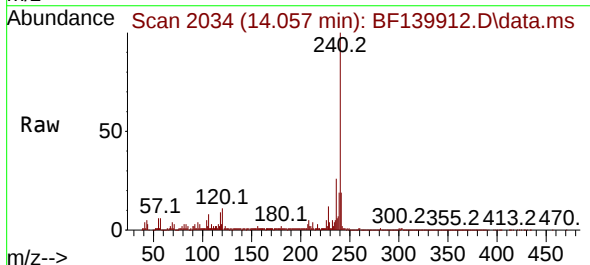
Manual Integrations
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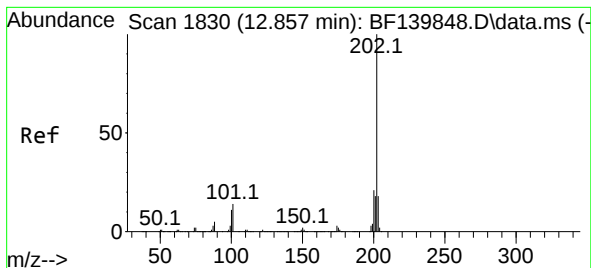
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion:240 Resp: 242952
Ion Ratio Lower Upper
240 100
120 10.5 9.4 14.2
236 26.4 20.9 31.3





#78

Pyrene

Concen: 6.879 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

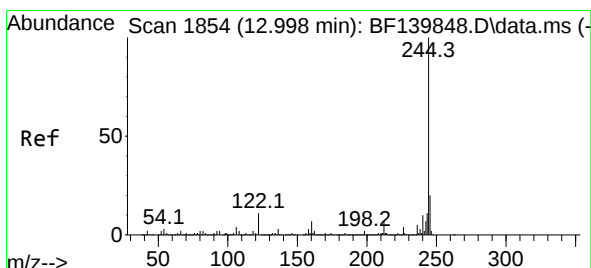
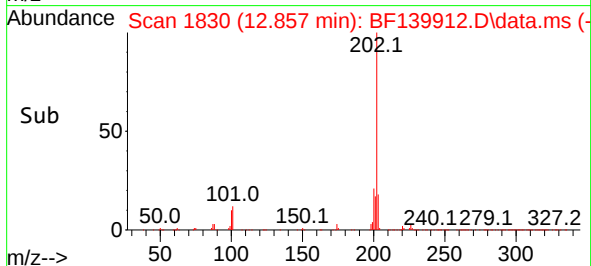
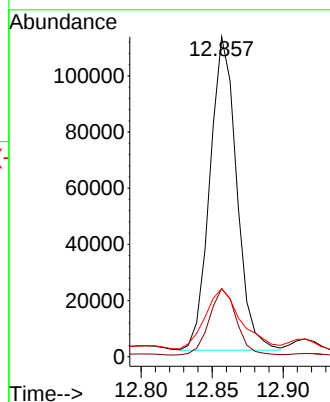
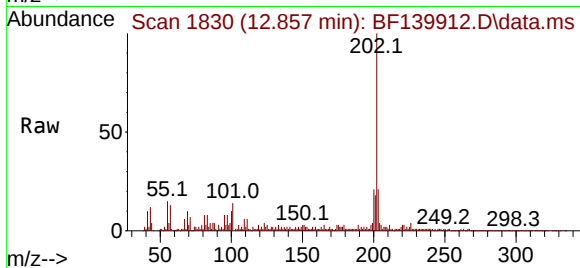
Tgt Ion:	202	Resp:	14628
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.2	25.8
203	21.2	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#79

Terphenyl-d14

Concen: 59.831 ng

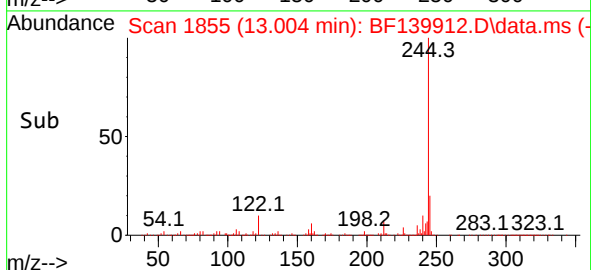
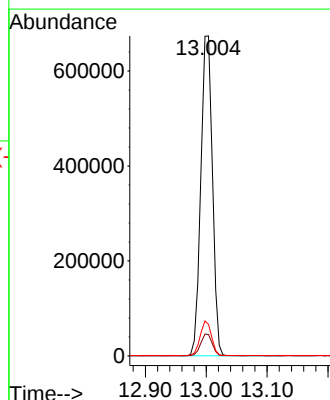
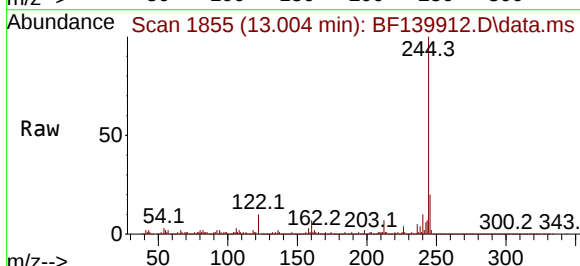
RT: 13.004 min Scan# 1855

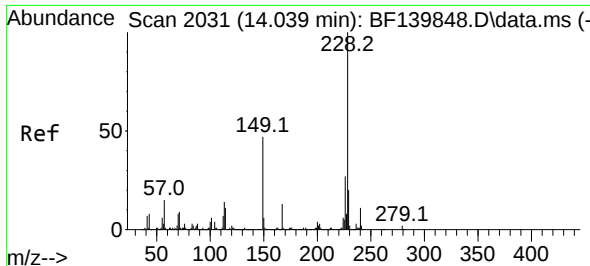
Delta R.T. 0.006 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Tgt Ion:	244	Resp:	892068
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.7	8.5
122	9.9	8.6	13.0





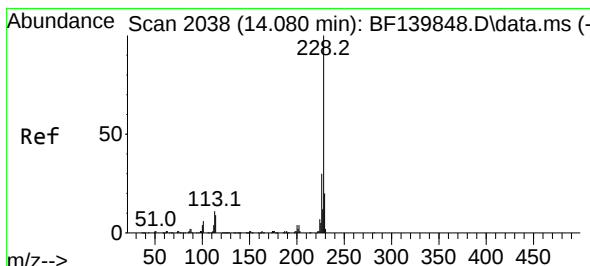
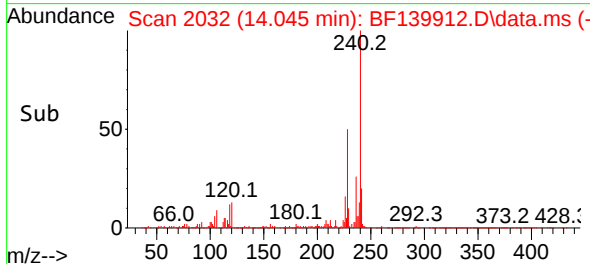
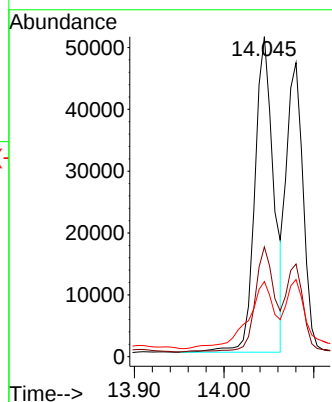
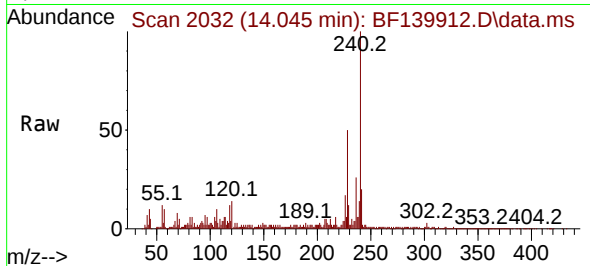
#81
Benzo(a)anthracene
Concen: 4.709 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Instrument :
BNA_F
ClientSampleId :
IB-1

Tgt Ion:228 Resp: 7446
Ion Ratio Lower Upper
228 100
226 34.3 21.6 32.4
229 23.5 16.1 24.1

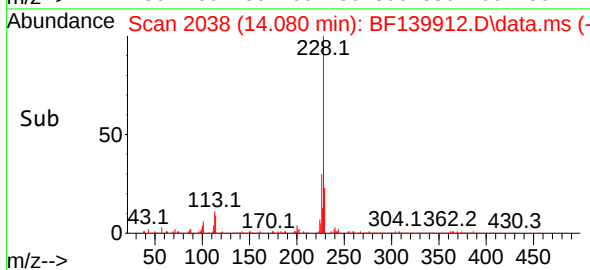
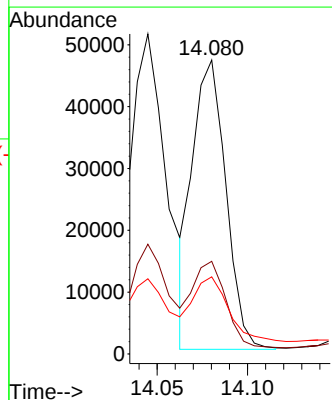
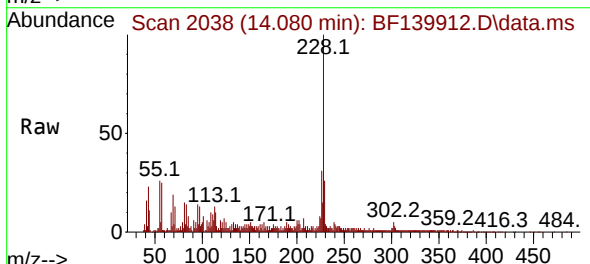
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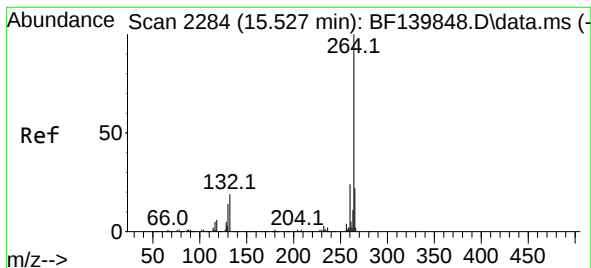
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/23/2024



#83
Chrysene
Concen: 4.142 ng m
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139912.D
Acq: 21 Oct 2024 19:34

Tgt Ion:228 Resp: 60057
Ion Ratio Lower Upper
228 100
226 31.5 24.1 36.1
229 26.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21060

Delta R.T. 0.006 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

Tgt Ion:264 Resp: 21060

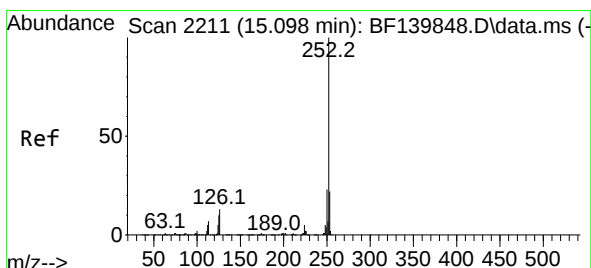
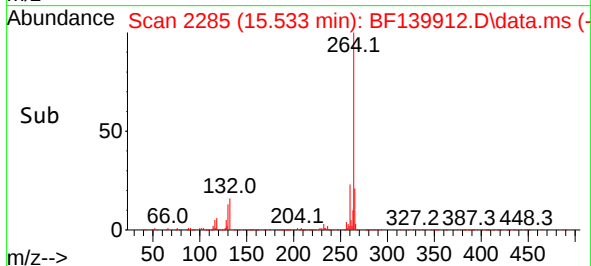
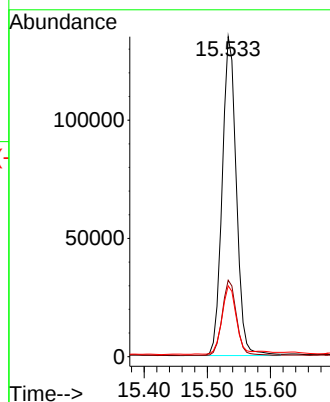
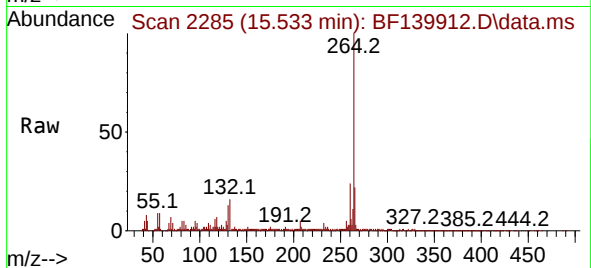
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.2	17.4	26.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#88

Benzo(b)fluoranthene

Concen: 5.271 ng m

RT: 15.098 min Scan# 2211

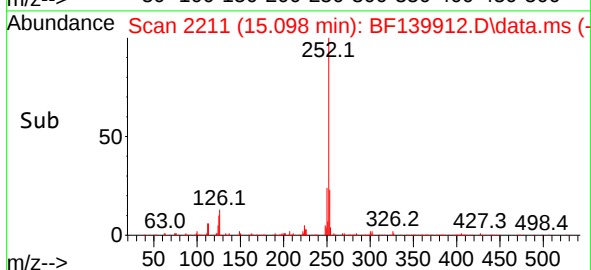
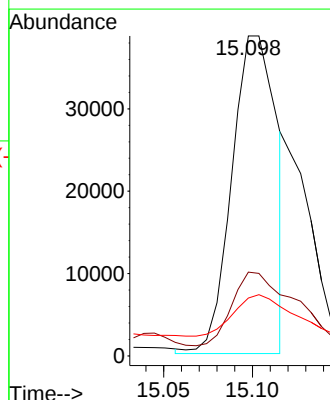
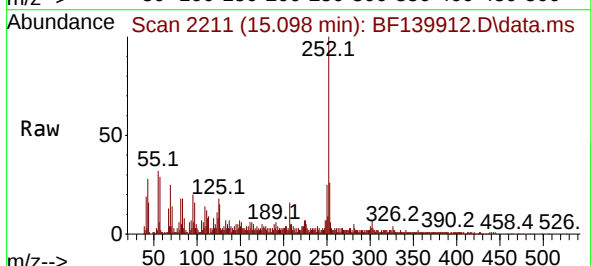
Delta R.T. 0.000 min

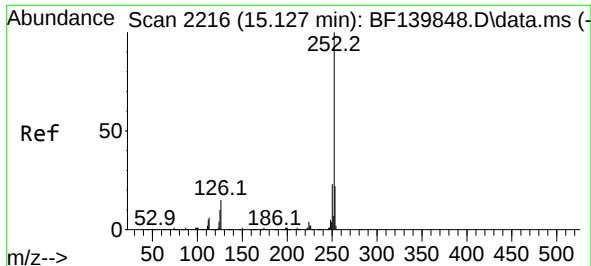
Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Tgt Ion:252 Resp: 67629

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.6	26.4
125	18.1	7.9	11.9





#89

Benzo(k)fluoranthene

Concen: 2.601 ng m

RT: 15.115 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

Instrument :

BNA_F

ClientSampleId :

IB-1

Tgt Ion:252 Resp: 28780

Ion Ratio Lower Upper

252 100

253 27.3 17.6 26.4

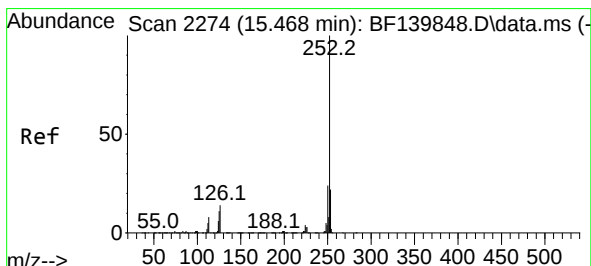
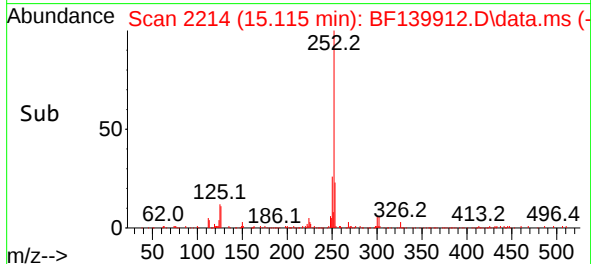
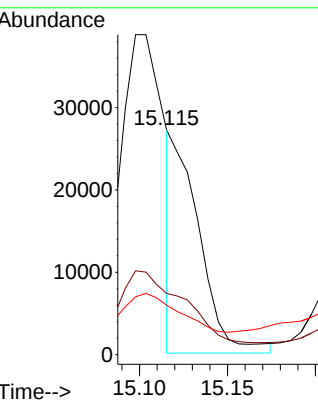
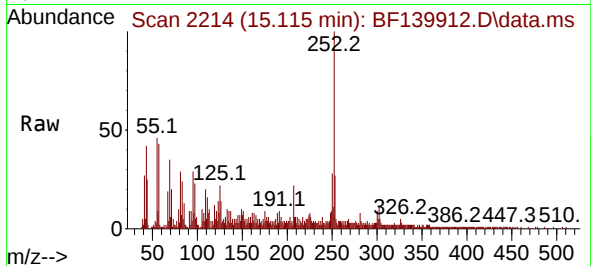
125 22.1 7.9 11.9

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/23/2024



#90

Benzo(a)pyrene

Concen: 4.930 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139912.D

Acq: 21 Oct 2024 19:34

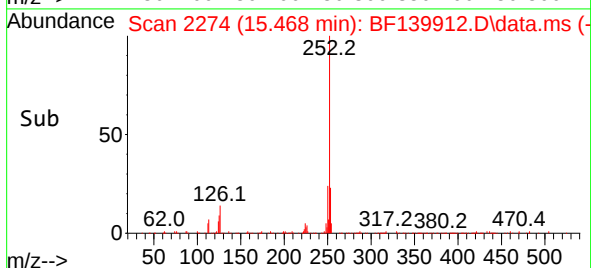
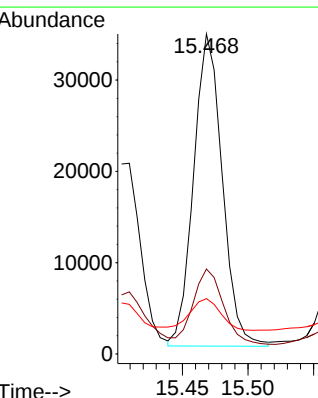
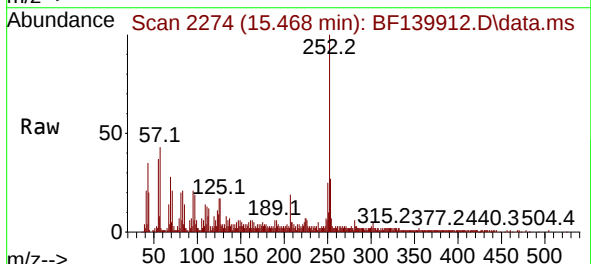
Tgt Ion:252 Resp: 52041

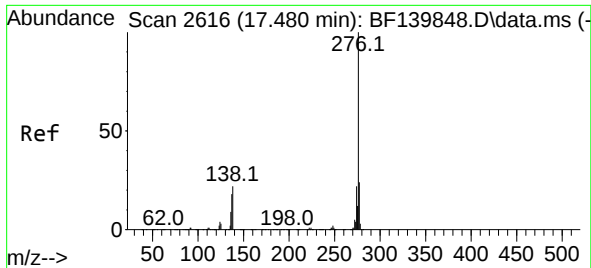
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9

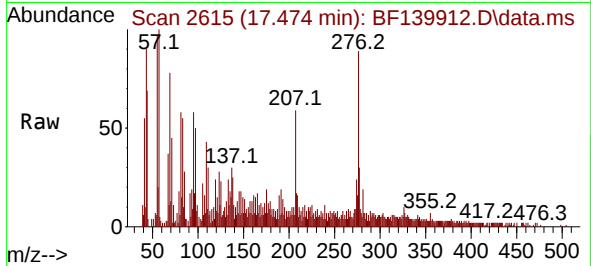
125 17.3 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 2.042 ng
 RT: 17.474 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139912.D
 Acq: 21 Oct 2024 19:34

Instrument :
 BNA_F
 ClientSampleId :
 IB-1



Tgt Ion:	276	Resp:	23050
Ion Ratio	Lower	Upper	
276	100		
277	33.3	19.0	28.6
138	27.9	17.4	26.0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/23/2024

