

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101924\
 Data File : BF139884.D
 Acq On : 19 Oct 2024 21:06
 Operator : RC/JU
 Sample : P4426-33
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-17

Quant Time: Oct 21 05:55:42 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	203314	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	753115	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	357579	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	505963	20.000	ng	0.00
76) Chrysene-d12	14.057	240	403624	20.000	ng	0.00
86) Perylene-d12	15.533	264	349762	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	386006	29.722	ng	0.00
7) Phenol-d6	6.498	99	625688	37.198	ng	-0.01
23) Nitrobenzene-d5	7.445	82	518745	38.176	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	81015	24.222	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	984845	45.519	ng	0.00
79) Terphenyl-d14	12.998	244	860475	34.738	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.510	94	76132	4.390	ng	86
20) 3+4-Methylphenols	7.275	107	64288	4.440	ng	# 83
22) Acetophenone	7.287	105	56659	3.072	ng	# 96
71) Phenanthrene	11.445	178	350685	14.673	ng	99
75) Fluoranthene	12.627	202	646070	26.741	ng	99
78) Pyrene	12.857	202	273250	7.734	ng	98
81) Benzo(a)anthracene	14.051	228	91854m	3.496	ng	
83) Chrysene	14.080	228	448634m	18.623	ng	
87) Indeno(1,2,3-cd)pyrene	17.009	276	77207	3.431	ng	94
88) Benzo(b)fluoranthene	15.104	252	478374m	22.453	ng	
89) Benzo(k)fluoranthene	15.115	252	156297m	8.506	ng	
92) Benzo(g,h,i)perylene	17.462	276	63570	3.390	ng	99

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

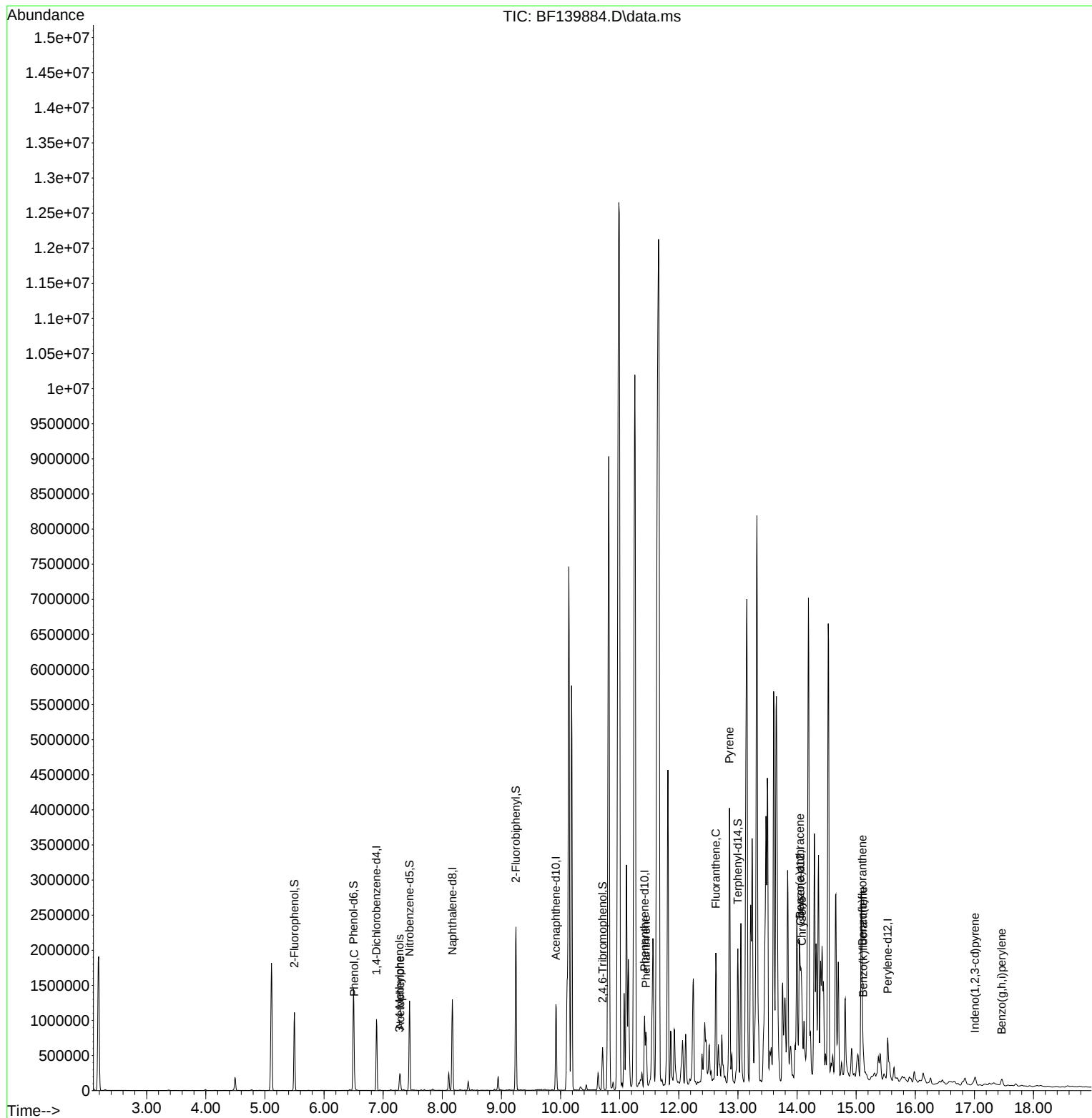
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101924\
Data File : BF139884.D
Acq On : 19 Oct 2024 21:06
Operator : RC/JU
Sample : P4426-33
Misc :
ALS Vial : 18 Sample Multiplier: 1

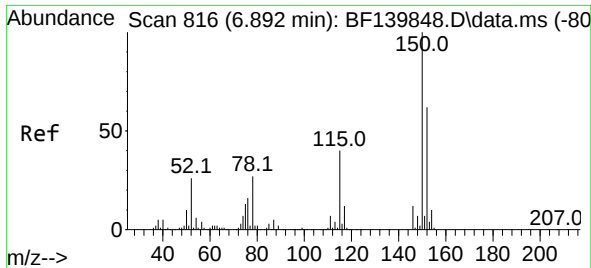
Instrument :
BNA_F
ClientSampleId :
PAD-17

Quant Time: Oct 21 05:55:42 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
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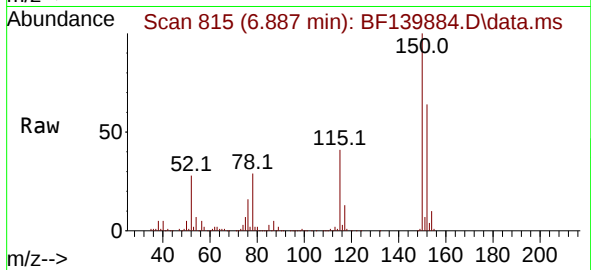
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

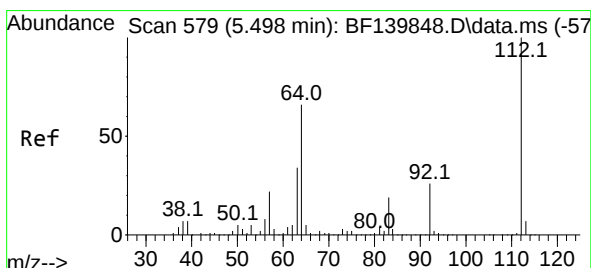
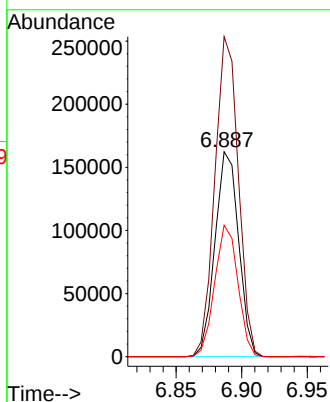
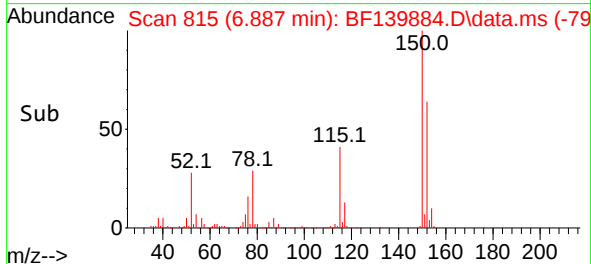
Instrument :
BNA_F
ClientSampleId :
PAD-17



Tgt Ion:152 Resp: 203314
Ion Ratio Lower Upper
152 100
150 156.1 130.2 195.2
115 64.2 51.4 77.2

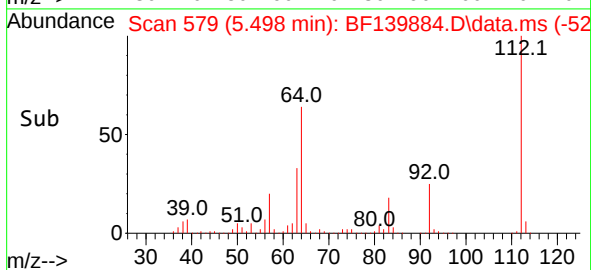
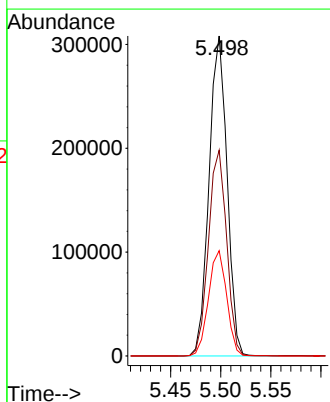
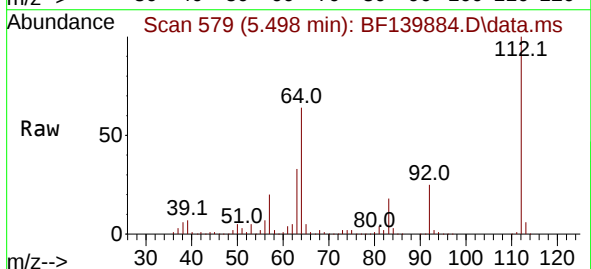
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Supervised By :mohammad ahmed 10/22/2024



#5
2-Fluorophenol
Concen: 29.722 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

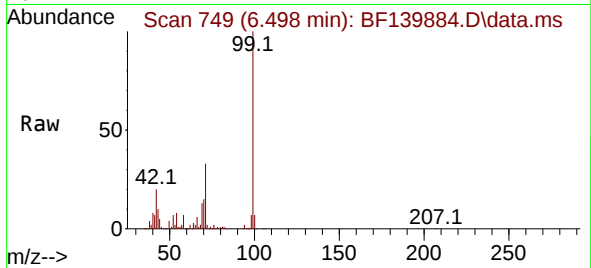
Tgt Ion:112 Resp: 386006
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 32.9 27.0 40.4





#7
Phenol-d6
Concen: 37.198 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

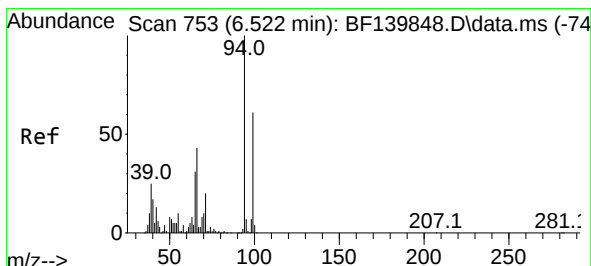
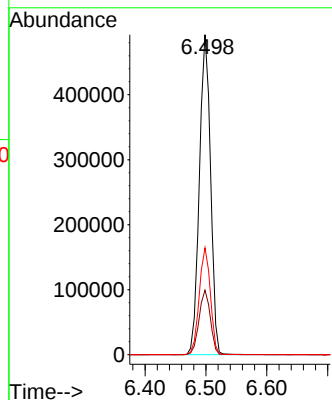
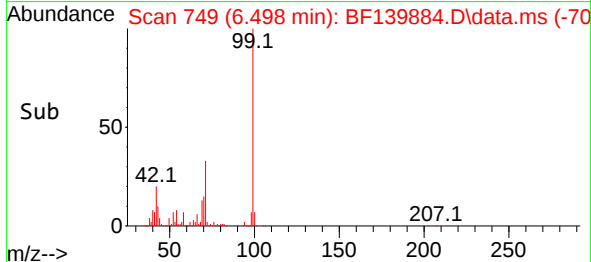
Instrument :
BNA_F
ClientSampleId :
PAD-17



Tgt Ion: 99 Resp: 62568
Ion Ratio Lower Upper
99 100
42 20.2 16.7 25.1
71 33.4 27.7 41.5

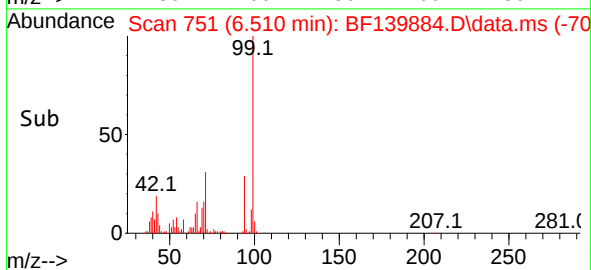
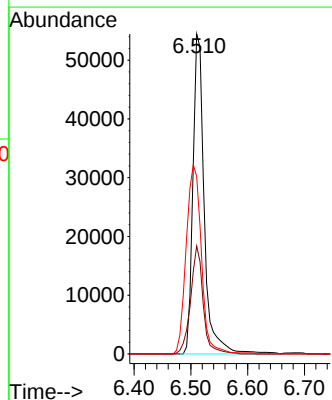
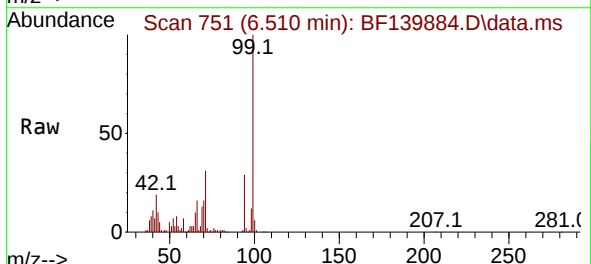
Manual Integrations
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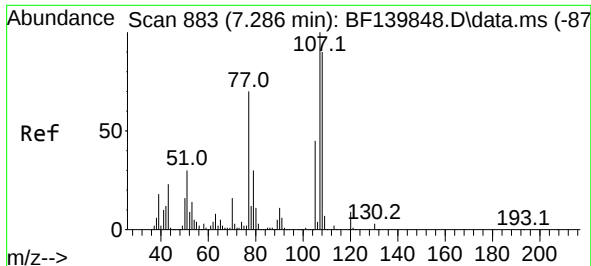
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#10
Phenol
Concen: 4.390 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion: 94 Resp: 76132
Ion Ratio Lower Upper
94 100
65 33.8 11.1 51.1
66 55.5 22.7 62.7





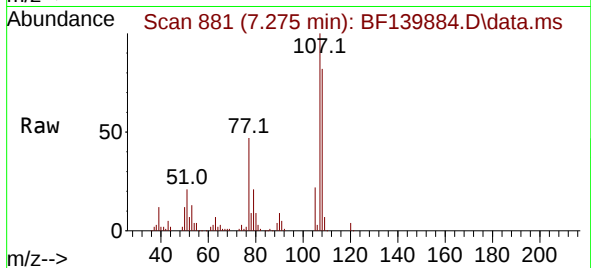
#20
3+4-Methylphenols
Concen: 4.440 ng
RT: 7.275 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

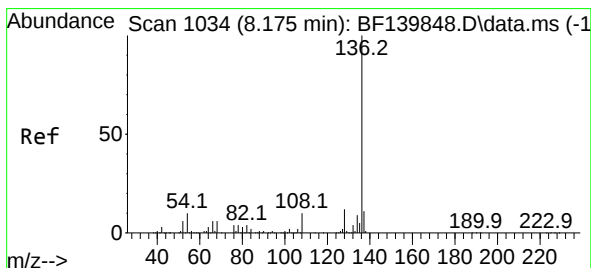
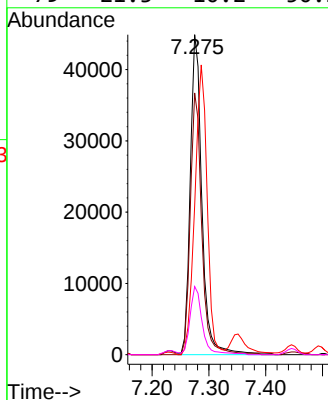
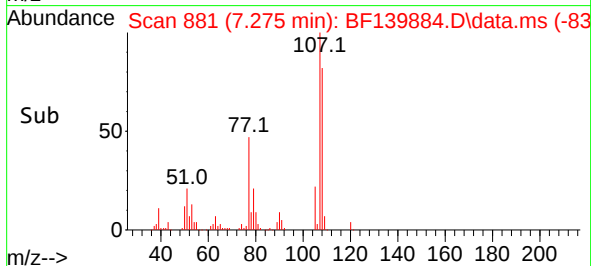


Tgt Ion:107 Resp: 6428
Ion Ratio Lower Upper
107 100
108 81.8 69.8 109.8
77 46.6 50.5 90.5
79 21.3 10.2 50.2

Manual Integrations

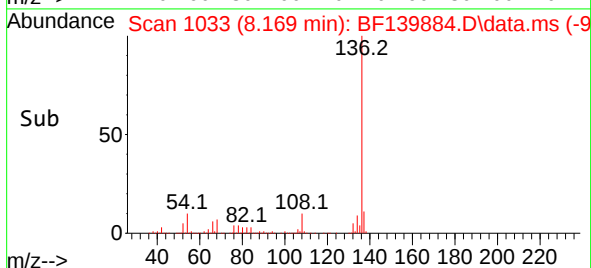
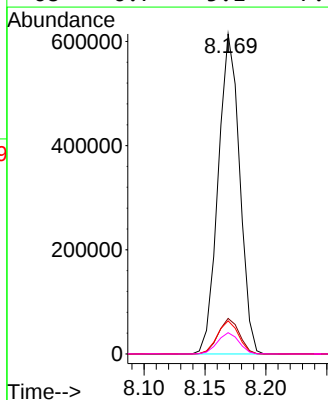
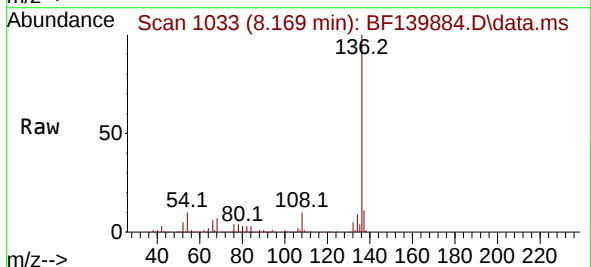
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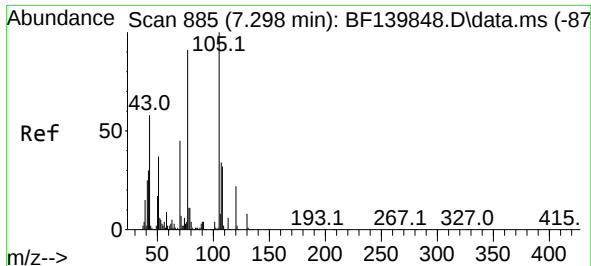
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

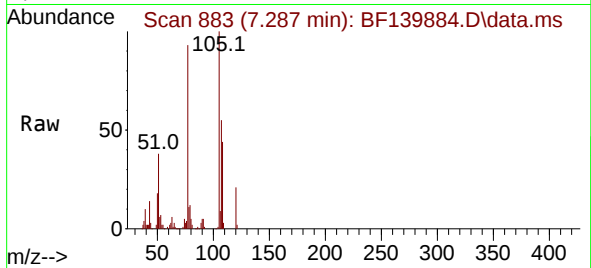
Tgt Ion:136 Resp: 753115
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.3 8.4 12.6
68 6.7 5.1 7.7





#22
Acetophenone
Concen: 3.072 ng
RT: 7.287 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

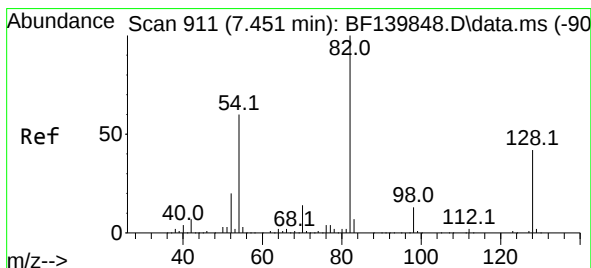
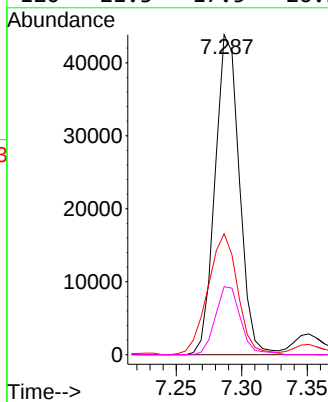
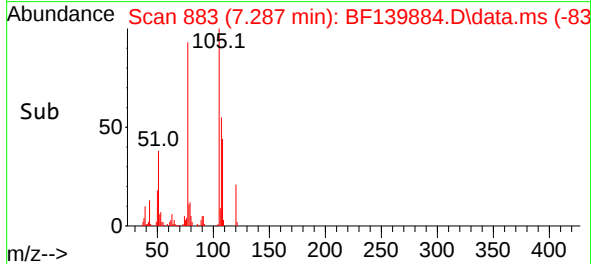
Instrument :
BNA_F
ClientSampleId :
PAD-17



Tgt Ion: 105 Resp: 5665
Ion Ratio Lower Upper
105 100
71 0.0 5.9 8.9
51 37.8 29.4 44.2
120 21.3 17.5 26.3

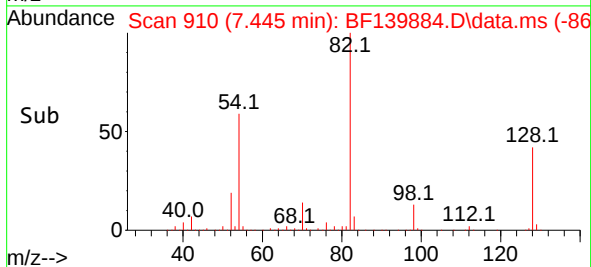
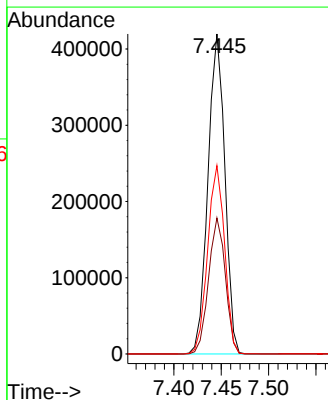
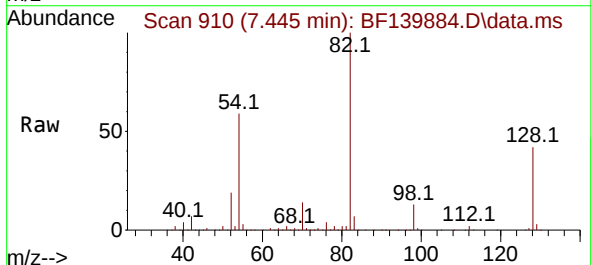
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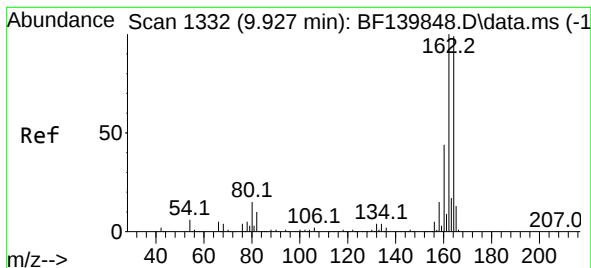
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#23
Nitrobenzene-d5
Concen: 38.176 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion: 82 Resp: 518745
Ion Ratio Lower Upper
82 100
128 42.5 33.4 50.0
54 58.9 47.8 71.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.005 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

Tgt Ion:164 Resp: 357579

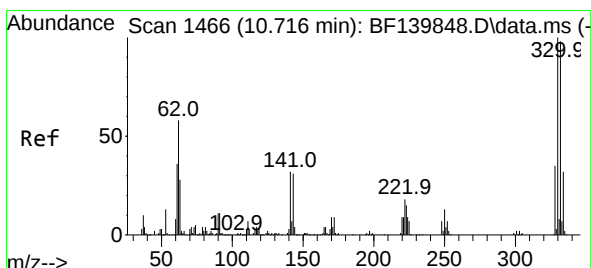
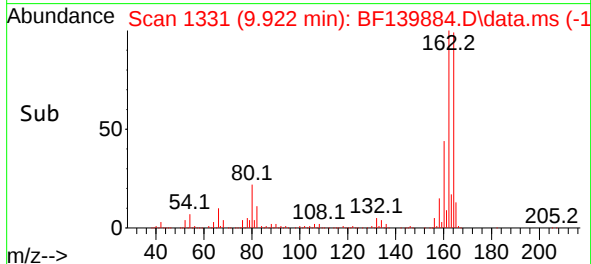
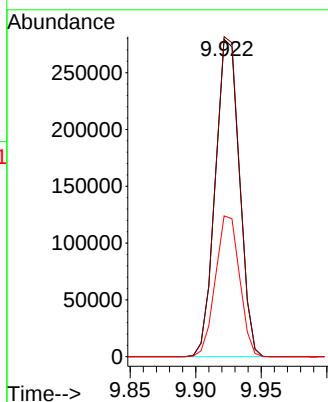
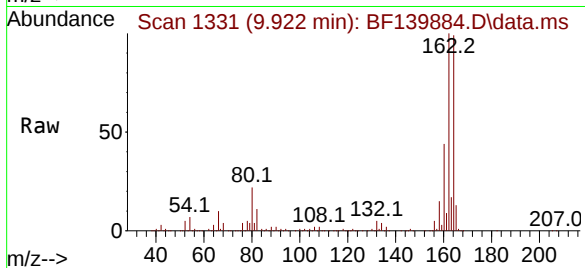
Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.0	121.4
160	44.3	35.4	53.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/22/2024



#42

2,4,6-Tribromophenol

Concen: 24.222 ng

RT: 10.710 min Scan# 1465

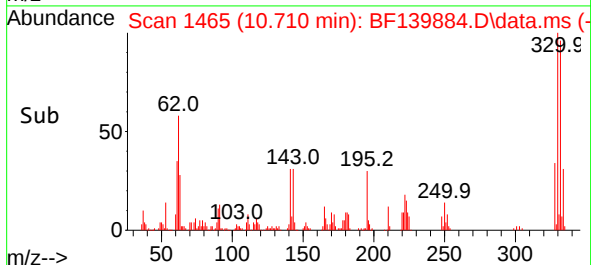
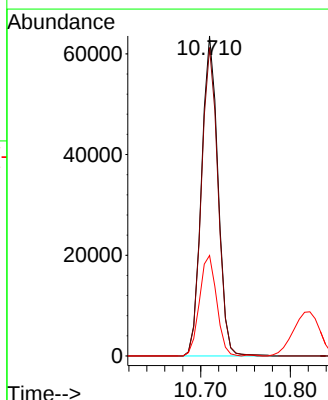
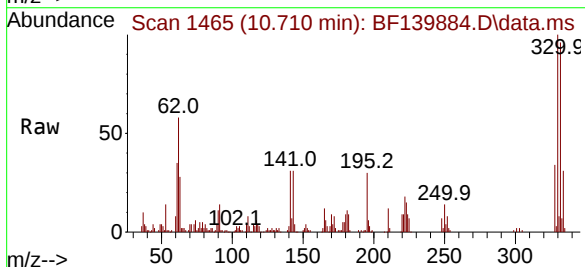
Delta R.T. -0.006 min

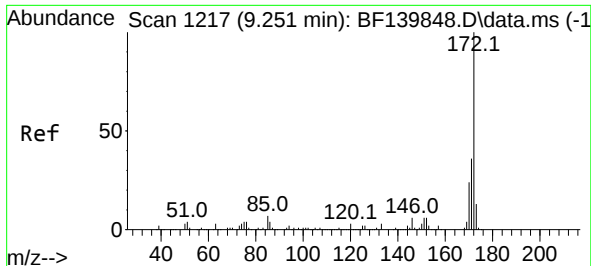
Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Tgt Ion:330 Resp: 81015

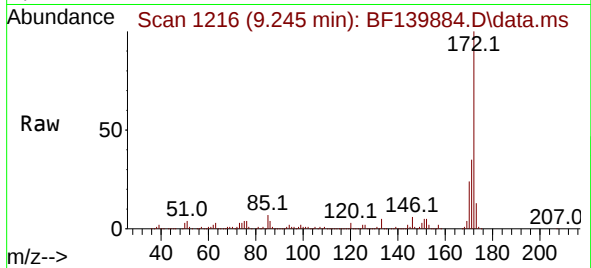
Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.1	117.1
141	32.6	26.6	39.8





#45
2-Fluorobiphenyl
Concen: 45.519 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

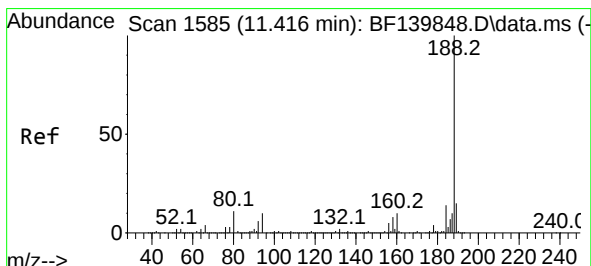
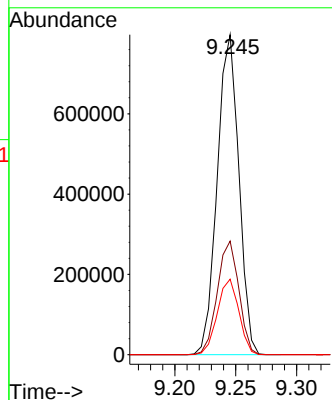
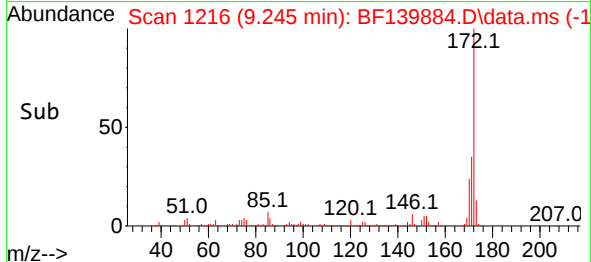
Instrument :
BNA_F
ClientSampleId :
PAD-17



Tgt Ion:172 Resp: 98484
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.1 28.7

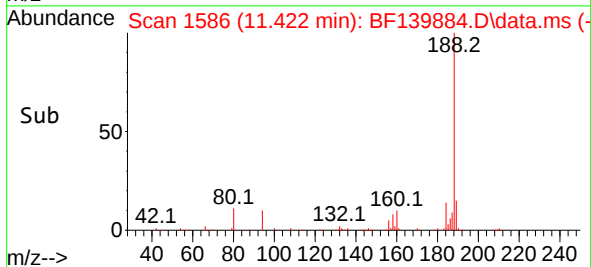
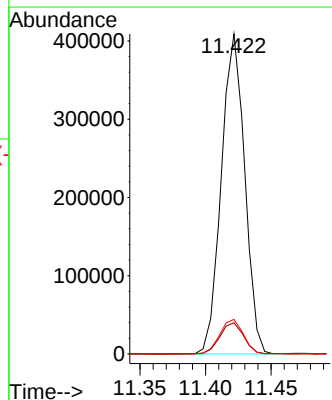
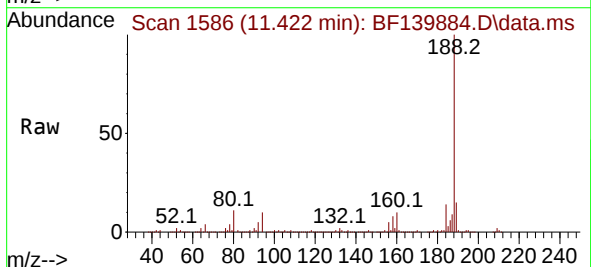
Manual Integrations
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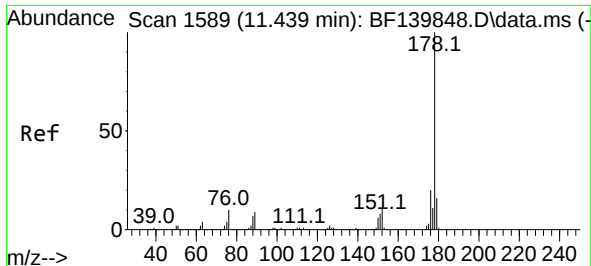
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

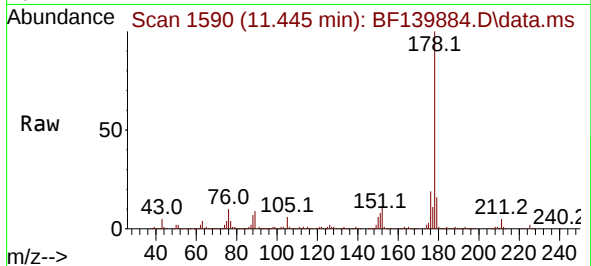
Tgt Ion:188 Resp: 505963
Ion Ratio Lower Upper
188 100
94 9.8 7.9 11.9
80 10.8 9.0 13.4





#71
Phenanthrene
Concen: 14.673 ng
RT: 11.445 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

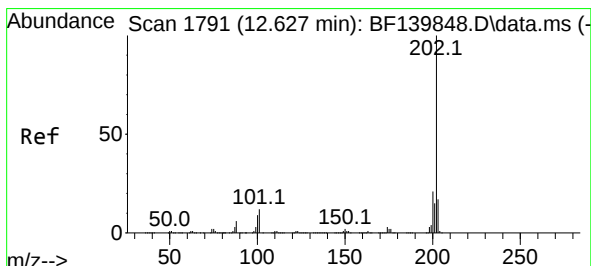
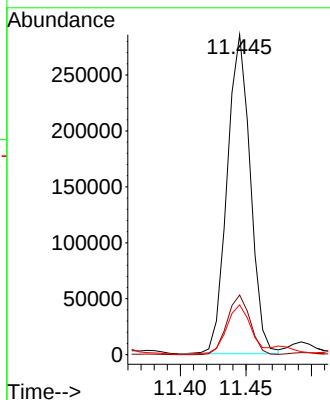
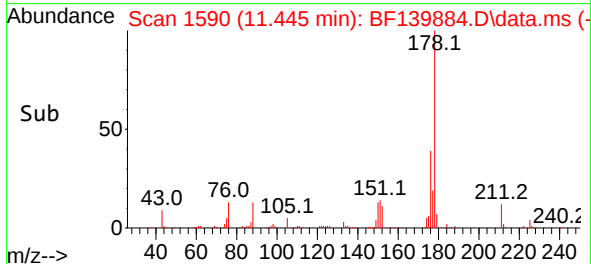
Instrument :
BNA_F
ClientSampleId :
PAD-17



Tgt Ion:178 Resp: 350685
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.5 12.6 18.8

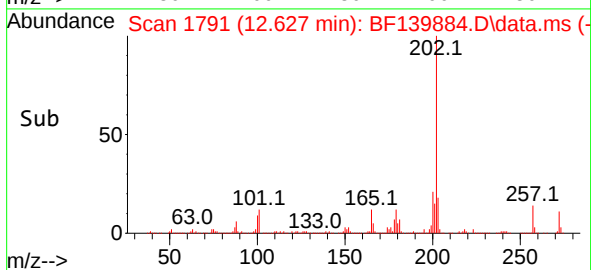
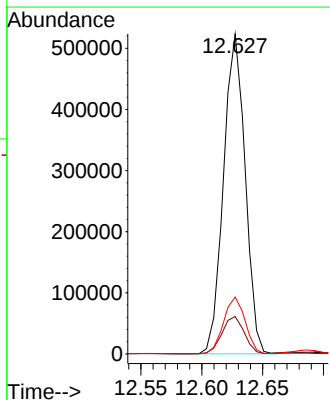
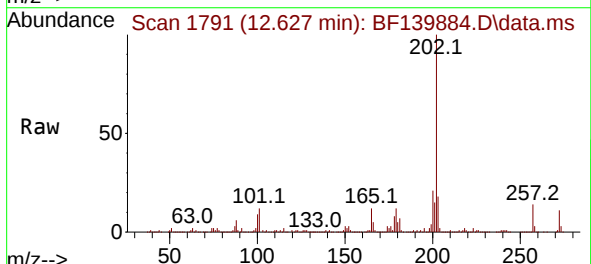
Manual Integrations
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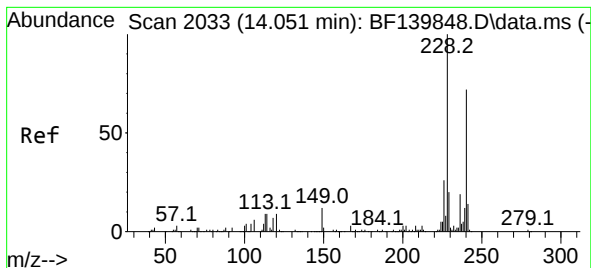
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#75
Fluoranthene
Concen: 26.741 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:202 Resp: 646070
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.9
203 17.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

Tgt Ion:240 Resp: 403624

Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

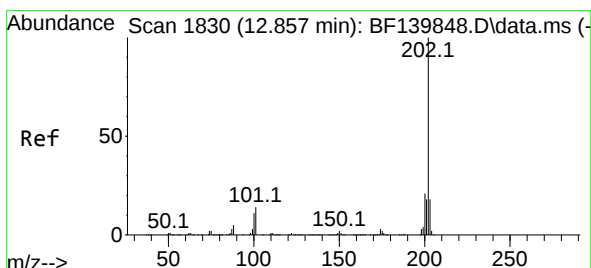
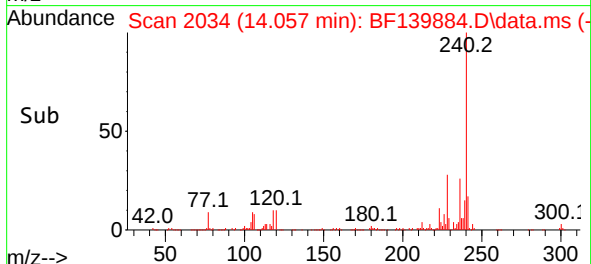
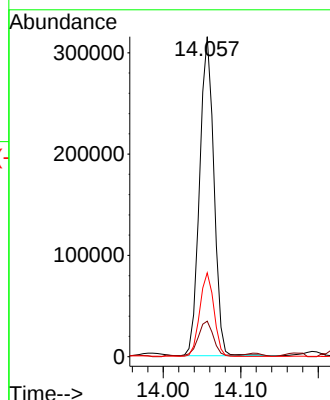
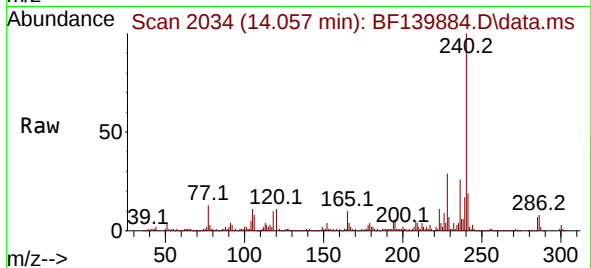
236 26.2 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/22/2024



#78

Pyrene

Concen: 7.734 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

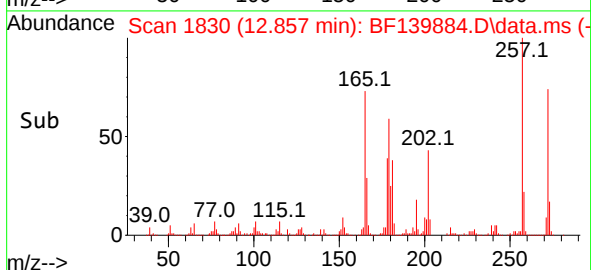
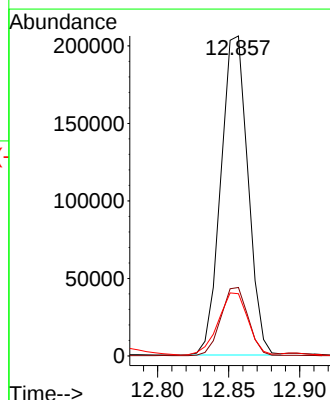
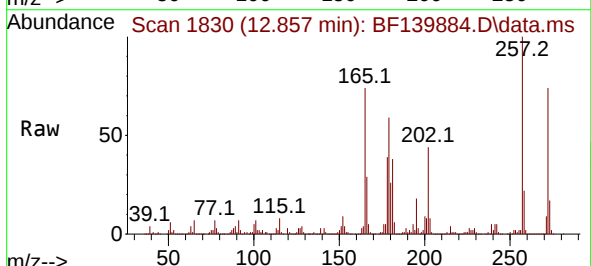
Tgt Ion:202 Resp: 273250

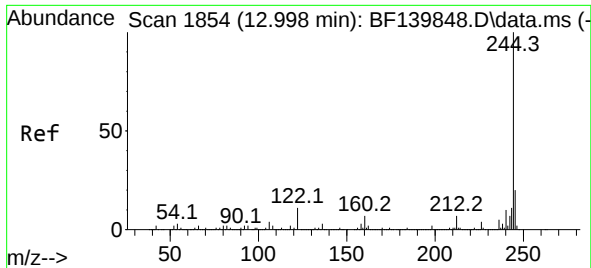
Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

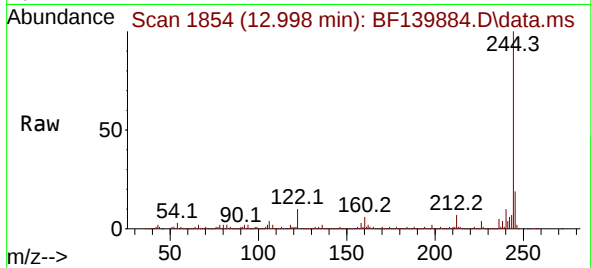
203 19.4 14.2 21.4





#79
 Terphenyl-d14
 Concen: 34.738 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139884.D
 Acq: 19 Oct 2024 21:06

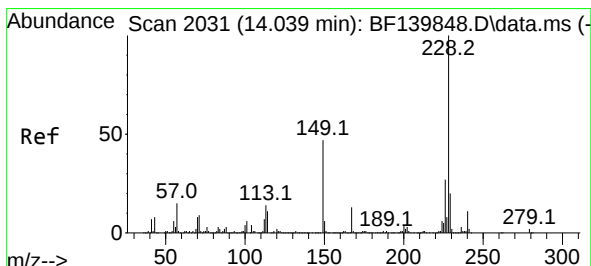
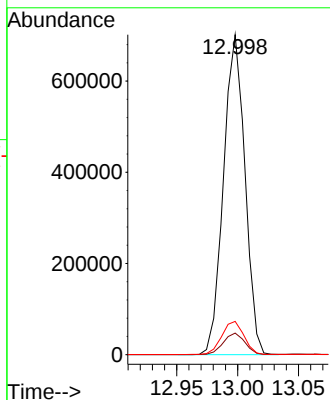
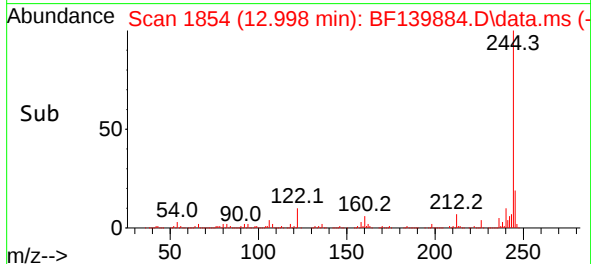
Instrument :
 BNA_F
 ClientSampleId :
 PAD-17



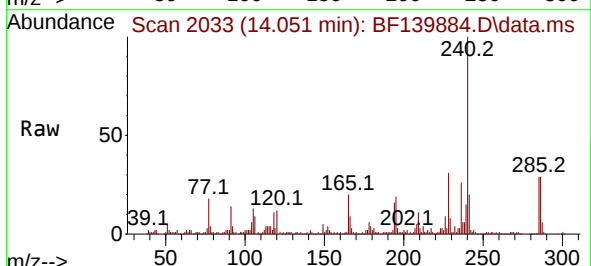
Tgt Ion:244 Resp: 860475
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.4 8.6 13.0

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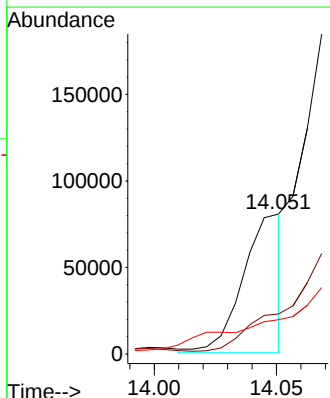
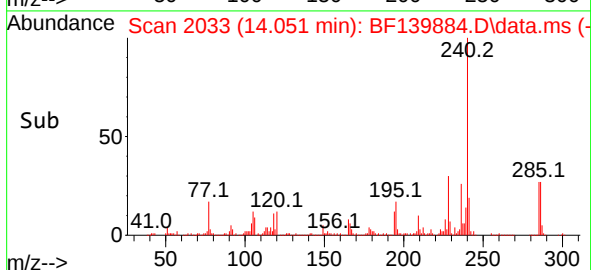
Reviewed By :Yogesh Patel 10/22/2024
 Supervised By :mohammad ahmed 10/22/2024

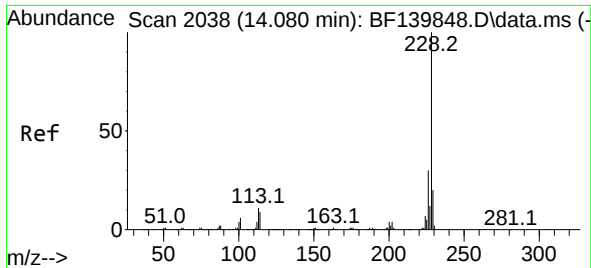


#81
 Benzo(a)anthracene
 Concen: 3.496 ng m
 RT: 14.051 min Scan# 2033
 Delta R.T. 0.012 min
 Lab File: BF139884.D
 Acq: 19 Oct 2024 21:06



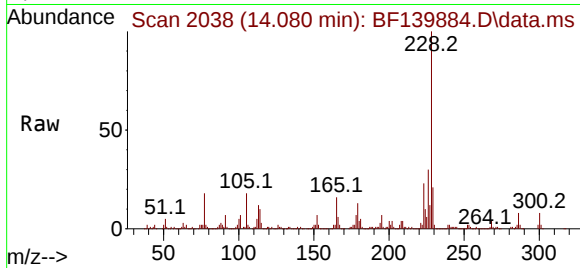
Tgt Ion:228 Resp: 91854
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.6 32.4
 229 24.5 16.1 24.1#





#83
Chrysene
Concen: 18.623 ng m
RT: 14.080 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

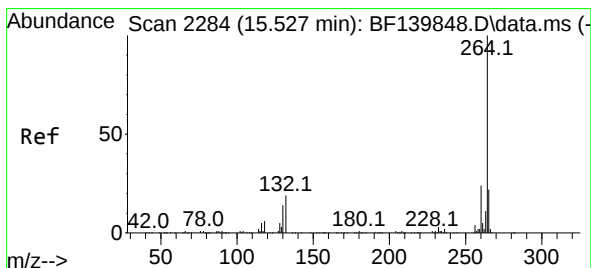
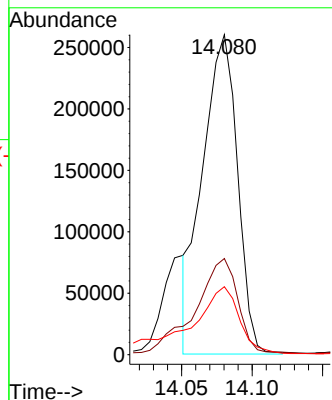
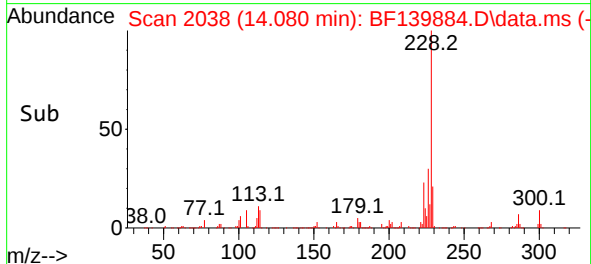
Instrument :
BNA_F
ClientSampleId :
PAD-17



Tgt Ion:228 Resp: 448634
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.3 15.8 23.6

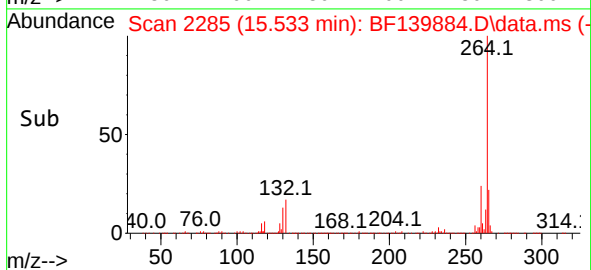
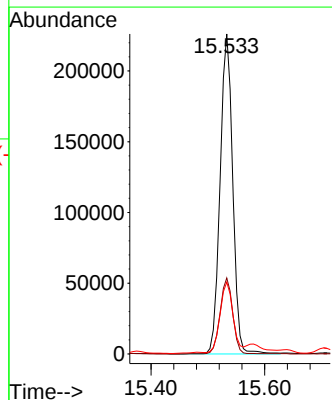
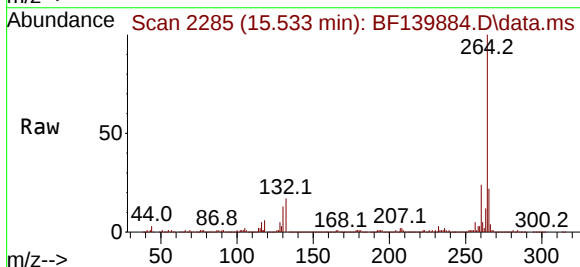
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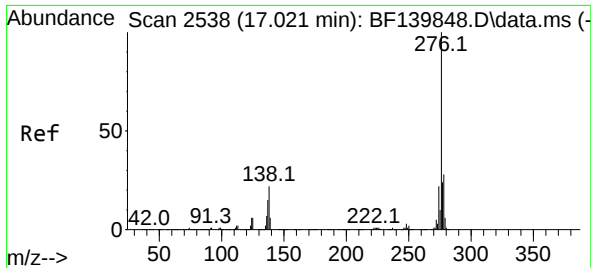
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:264 Resp: 349762
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 22.4 17.4 26.0





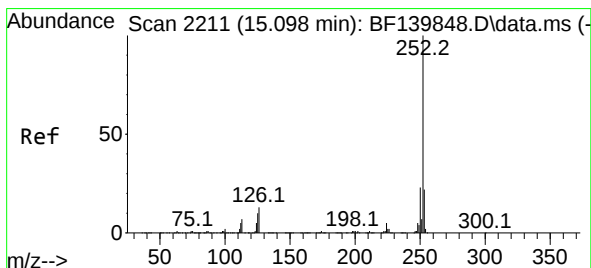
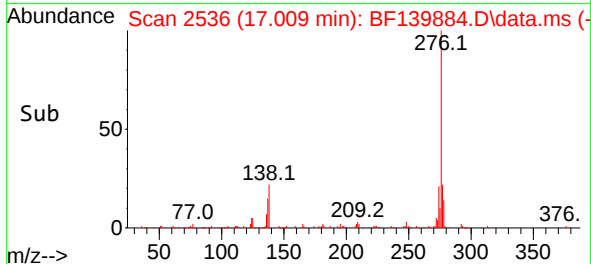
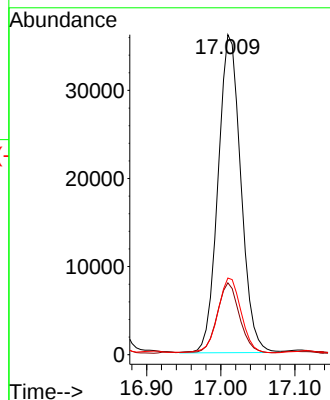
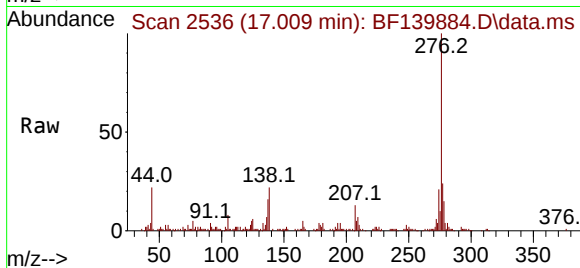
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.431 ng
RT: 17.009 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Instrument :
BNA_F
ClientSampleId :
PAD-17

Tgt Ion:276 Resp: 7720
Ion Ratio Lower Upper
276 100
138 21.3 20.4 30.6
277 23.9 20.2 30.4

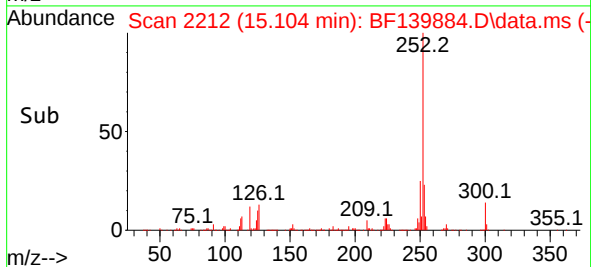
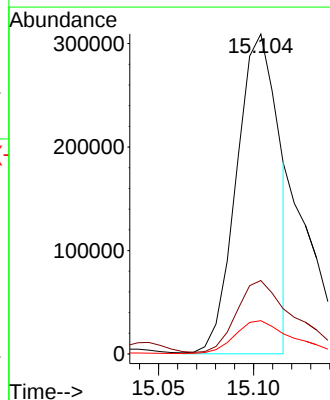
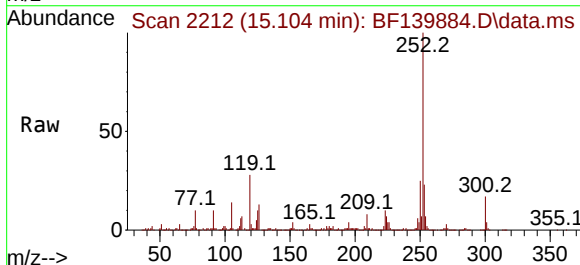
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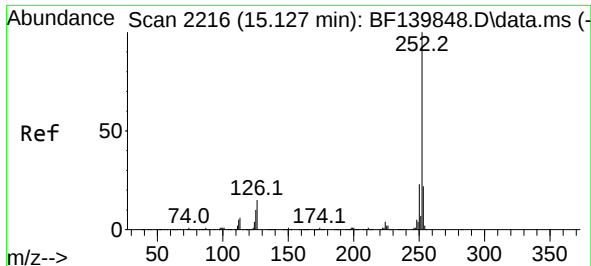
Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024



#88
Benzo(b)fluoranthene
Concen: 22.453 ng m
RT: 15.104 min Scan# 2212
Delta R.T. 0.006 min
Lab File: BF139884.D
Acq: 19 Oct 2024 21:06

Tgt Ion:252 Resp: 478374
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 8.506 ng m

RT: 15.115 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Instrument :

BNA_F

ClientSampleId :

PAD-17

Tgt Ion:252 Resp: 15629

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

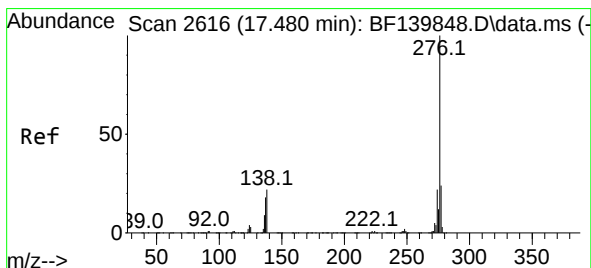
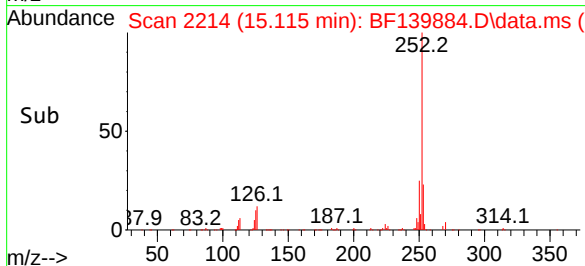
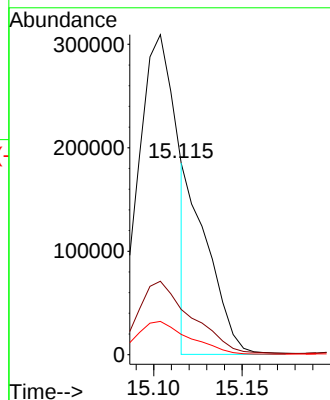
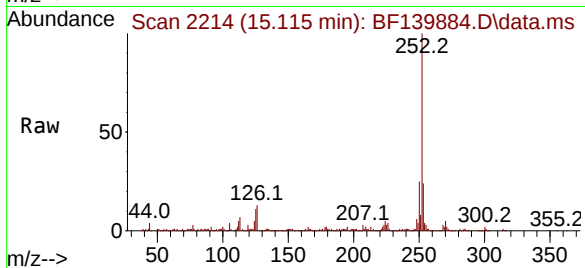
125 10.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/22/2024

Supervised By :mohammad ahmed 10/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.390 ng

RT: 17.462 min Scan# 2613

Delta R.T. -0.017 min

Lab File: BF139884.D

Acq: 19 Oct 2024 21:06

Tgt Ion:276 Resp: 63570

Ion Ratio Lower Upper

276 100

277 24.0 19.0 28.6

138 21.1 17.4 26.0

