

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
 Data File : BF139274.D
 Acq On : 06 Sep 2024 13:33
 Operator : RC/JU
 Sample : P3852-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ223

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/07/2024
 Supervised By :mohammad ahmed 09/07/2024

Quant Time: Sep 06 13:57:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 04 16:11:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	111883	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	411632	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	218311	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	339524	20.000	ng	0.00
76) Chrysene-d12	14.051	240	195078	20.000	ng	0.00
86) Perylene-d12	15.527	264	219591	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	125475	18.761	ng	-0.01
7) Phenol-d6	6.498	99	169007	18.929	ng	-0.02
23) Nitrobenzene-d5	7.440	82	105676	13.356	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	35733	18.955	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	213655	15.107	ng	0.00
79) Terphenyl-d14	12.992	244	144759	11.981	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	208287	13.132	ng	99
75) Fluoranthene	12.622	202	292440	18.391	ng	99
78) Pyrene	12.851	202	279637	14.839	ng	99
81) Benzo(a)anthracene	14.039	228	139367	11.188	ng	94
83) Chrysene	14.074	228	129655	11.152	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	49416m	3.602	ng	
88) Benzo(b)fluoranthene	15.098	252	175598m	13.885	ng	
89) Benzo(k)fluoranthene	15.110	252	71539m	6.309	ng	
90) Benzo(a)pyrene	15.463	252	115236	10.731	ng	98
92) Benzo(g,h,i)perylene	17.445	276	41517	3.558	ng	97

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

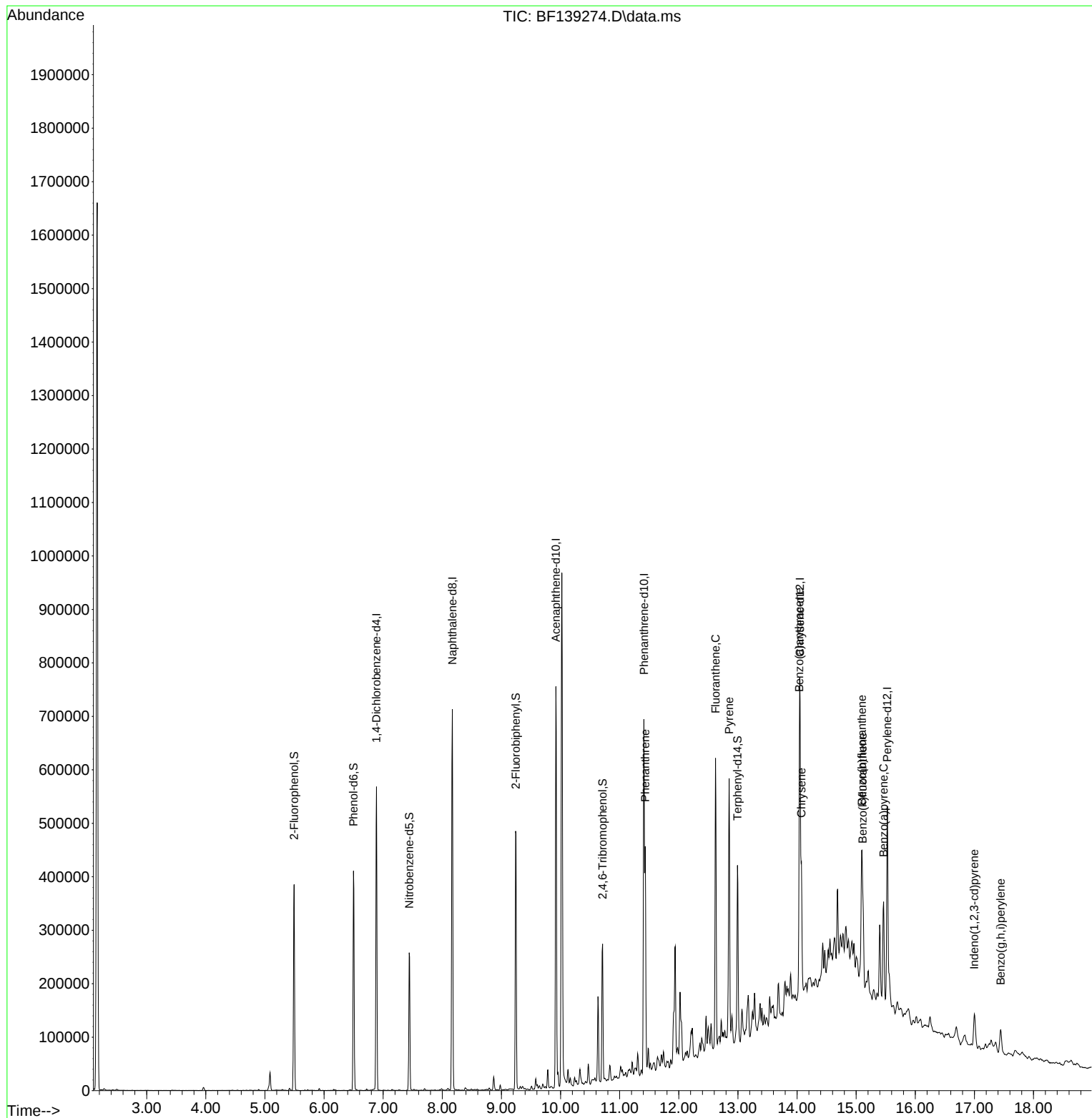
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090624\
Data File : BF139274.D
Acq On : 06 Sep 2024 13:33
Operator : RC/JU
Sample : P3852-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

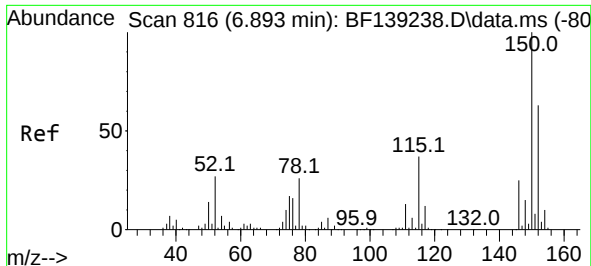
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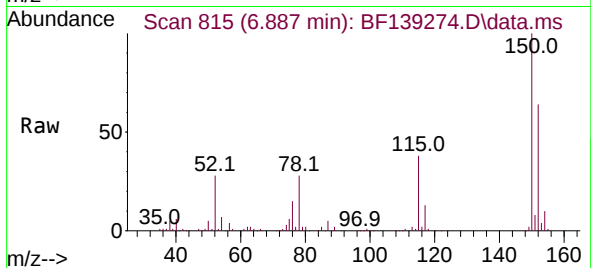
Quant Time: Sep 06 13:57:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 16:11:43 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

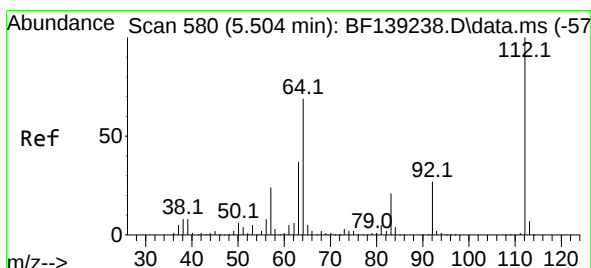
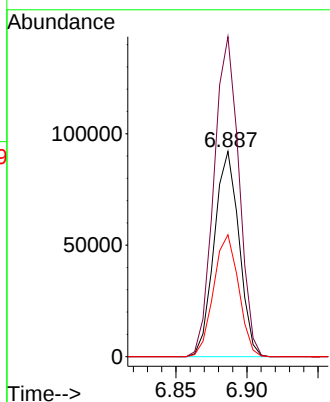
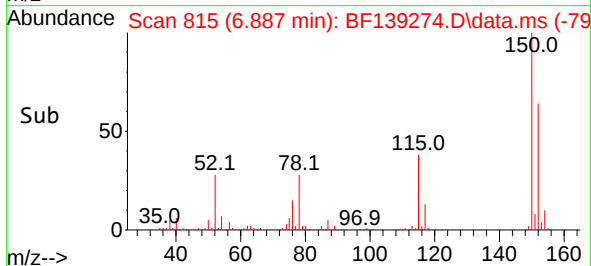
Instrument :
BNA_F
ClientSampleId :
VNJ223



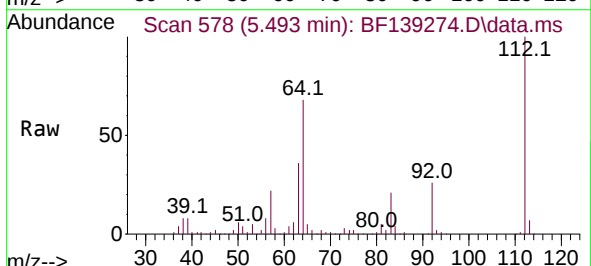
Tgt Ion:152 Resp: 11188
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.4
115 59.4 46.9 70.3

Manual Integrations
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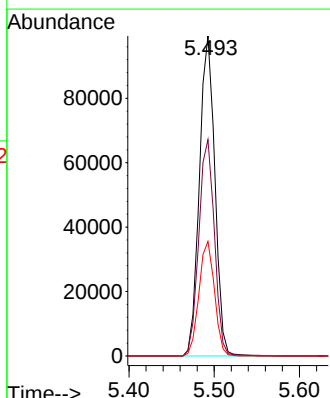
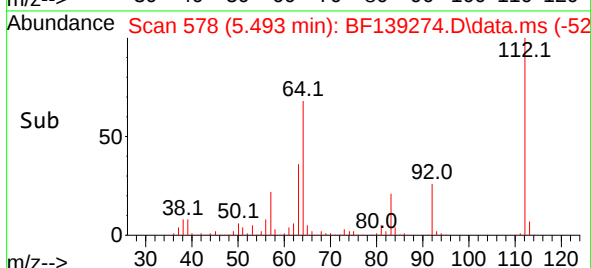
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#5
2-Fluorophenol
Concen: 18.761 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.012 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33



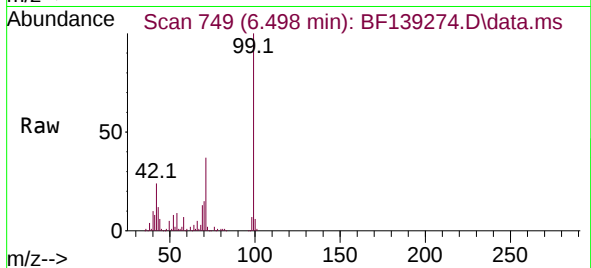
Tgt Ion:112 Resp: 125475
Ion Ratio Lower Upper
112 100
64 67.6 55.0 82.4
63 35.8 29.9 44.9





#7
Phenol-d6
Concen: 18.929 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

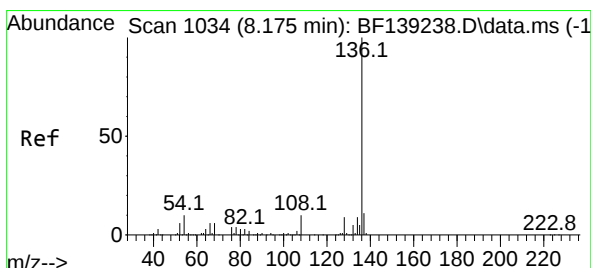
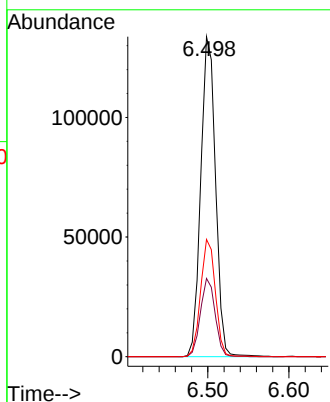
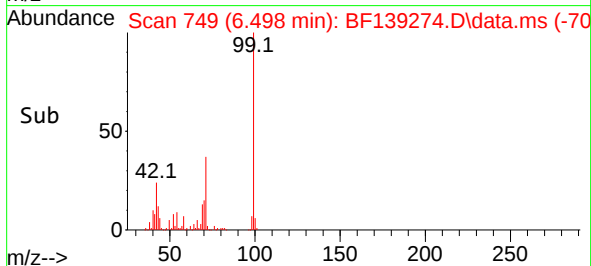
Instrument :
BNA_F
ClientSampleId :
VNJ223



Tgt Ion: 99 Resp: 16900
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 36.7 28.8 43.2

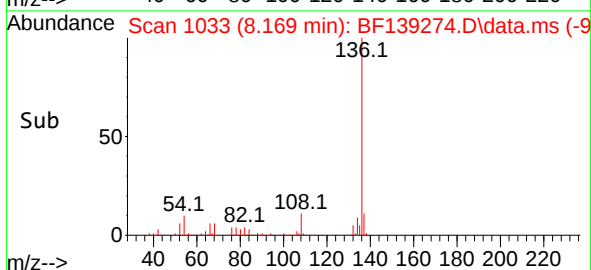
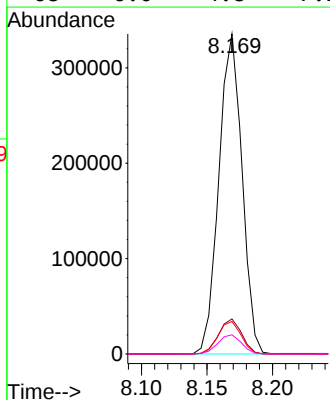
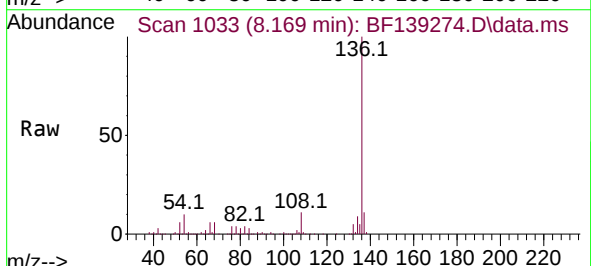
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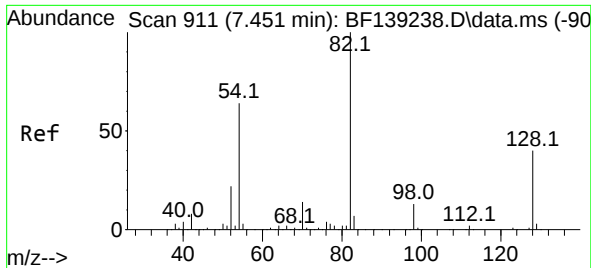
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

Tgt Ion:136 Resp: 411632
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.4 12.6
68 6.0 4.8 7.2





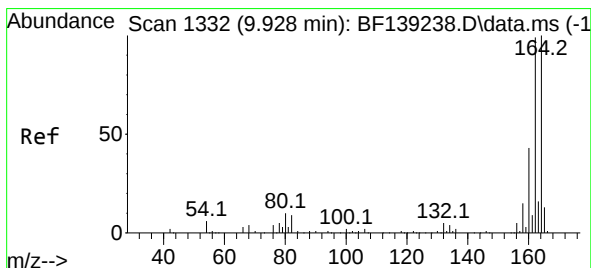
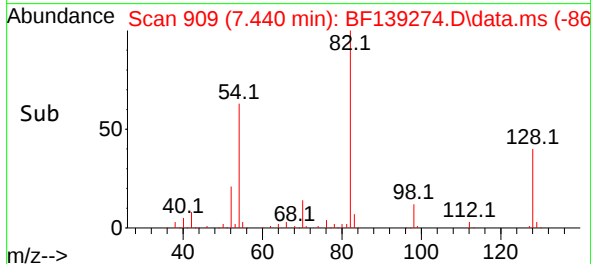
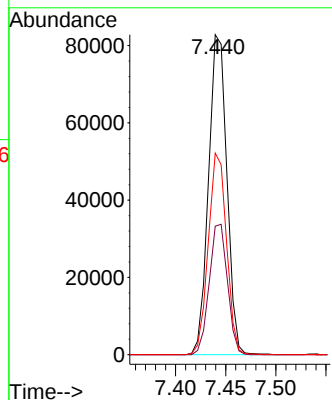
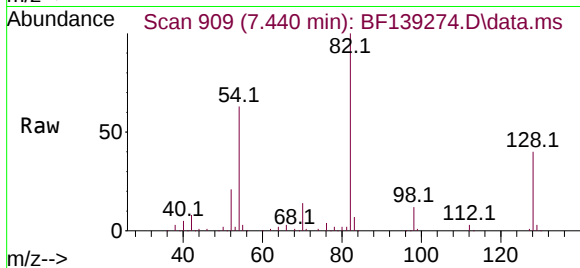
#23
Nitrobenzene-d5
Concen: 13.356 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

Instrument :
BNA_F
ClientSampleId :
VNJ223

Tgt Ion: 82 Resp: 105670
Ion Ratio Lower Upper
82 100
128 40.2 32.3 48.5
54 63.0 51.2 76.8

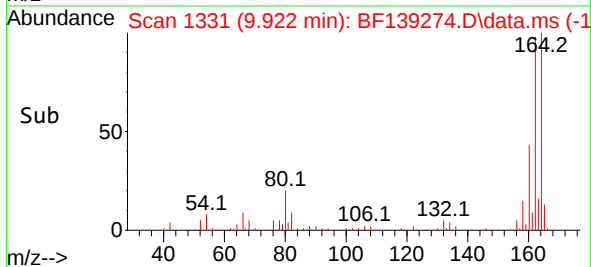
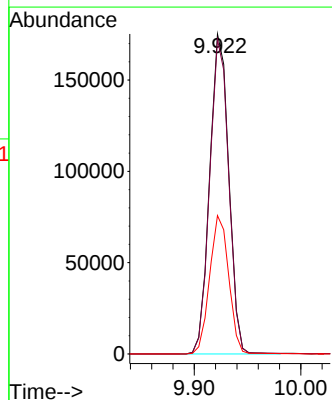
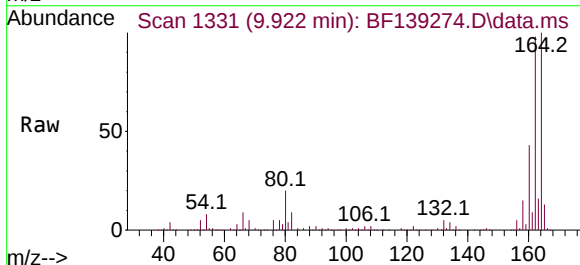
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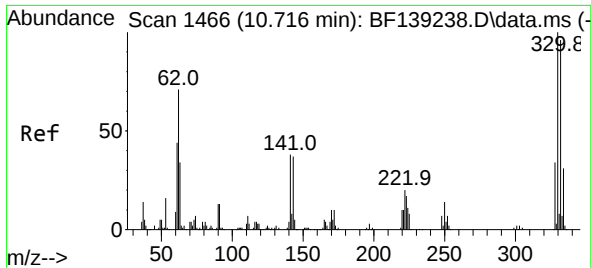
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

Tgt Ion:164 Resp: 218311
Ion Ratio Lower Upper
164 100
162 98.3 79.2 118.8
160 43.3 34.2 51.2





#42
2,4,6-Tribromophenol
Concen: 18.955 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

Instrument :

BNA_F

ClientSampleId :

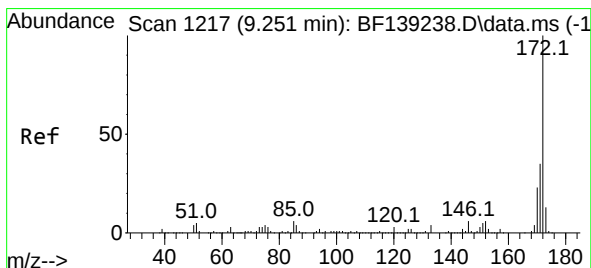
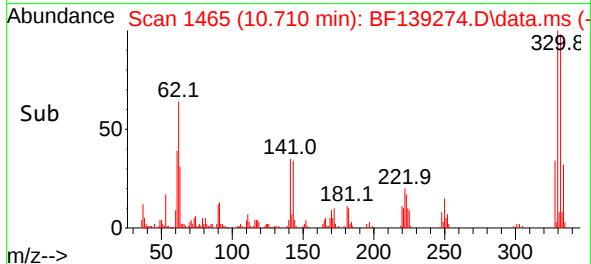
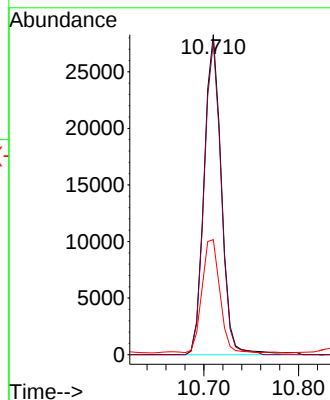
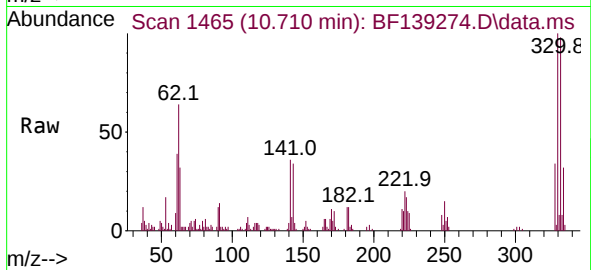
VNJ223

Tgt Ion:330 Resp: 3573
Ion Ratio Lower Upper
330 100
332 96.0 76.6 115.0
141 36.2 30.1 45.1

Manual Integrations

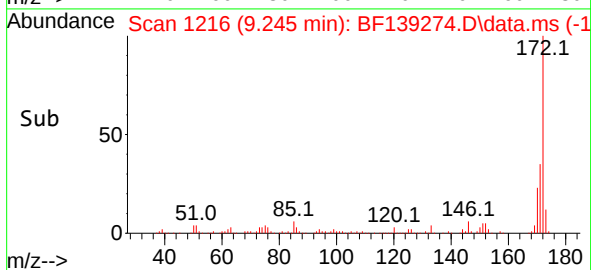
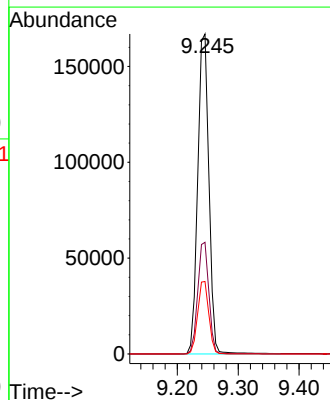
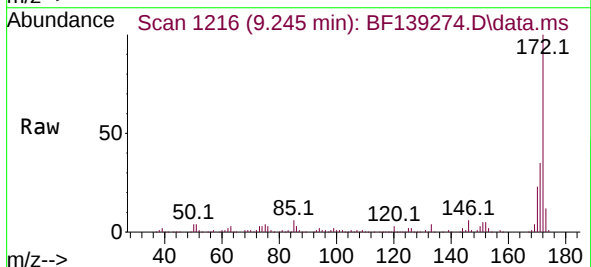
APPROVED

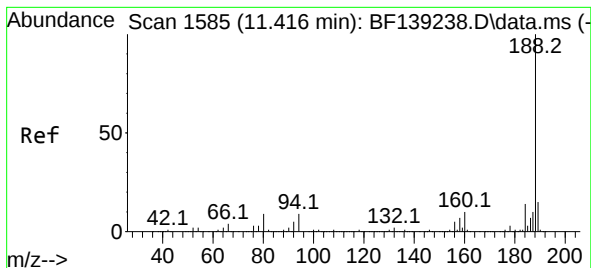
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#45
2-Fluorobiphenyl
Concen: 15.107 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

Tgt Ion:172 Resp: 213655
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 22.6 18.7 28.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF139274.D

Acq: 06 Sep 2024 13:33

Instrument :

BNA_F

ClientSampleId :

VNJ223

Tgt Ion:188 Resp: 339524

Ion Ratio Lower Upper

188 100

94 8.5 7.0 10.4

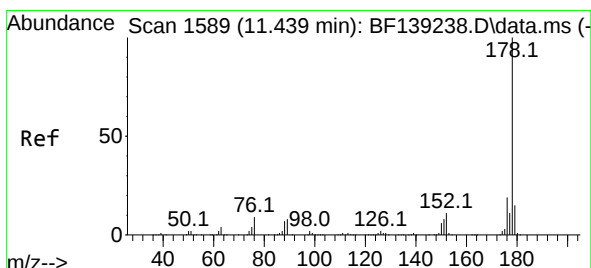
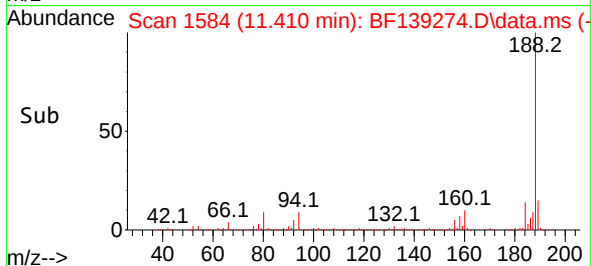
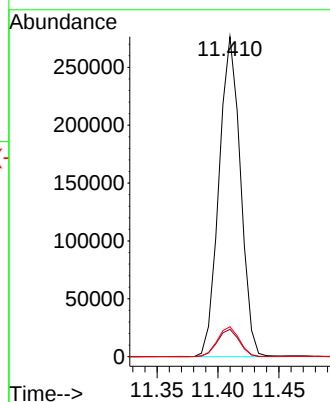
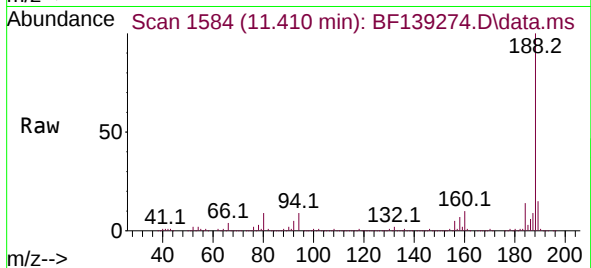
80 9.4 7.3 10.9

Manual Integrations

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Supervised By :mohammad ahmed 09/07/2024



#71

Phenanthrene

Concen: 13.132 ng

RT: 11.433 min Scan# 1588

Delta R.T. -0.006 min

Lab File: BF139274.D

Acq: 06 Sep 2024 13:33

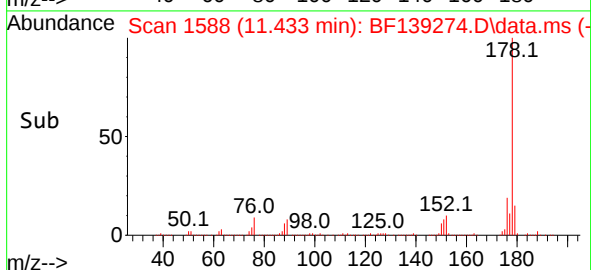
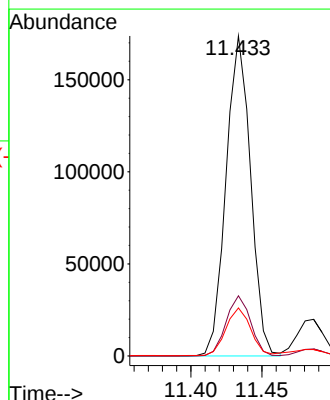
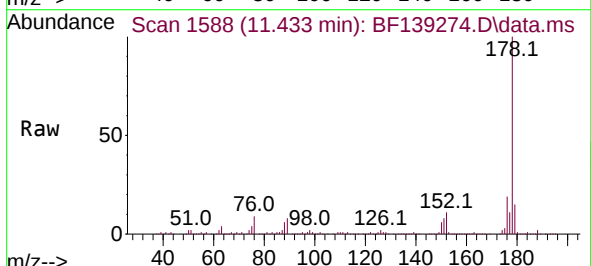
Tgt Ion:178 Resp: 208287

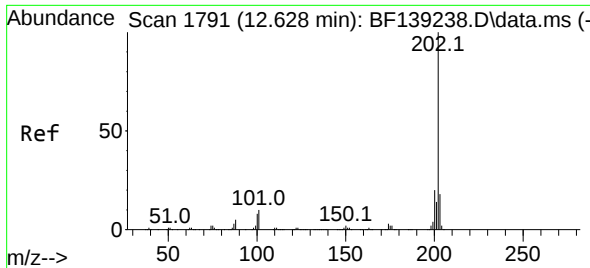
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

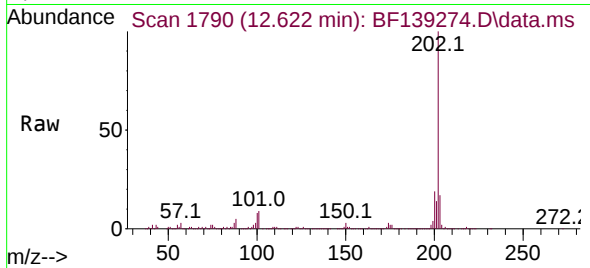
179 15.0 12.3 18.5





#75
Fluoranthene
Concen: 18.391 ng
RT: 12.622 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

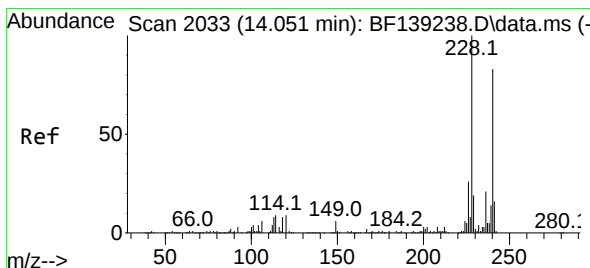
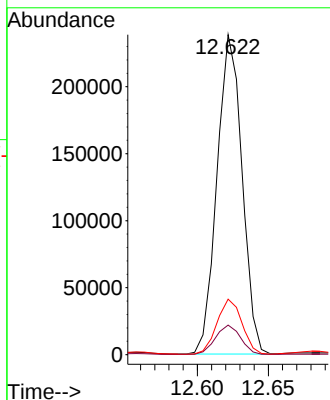
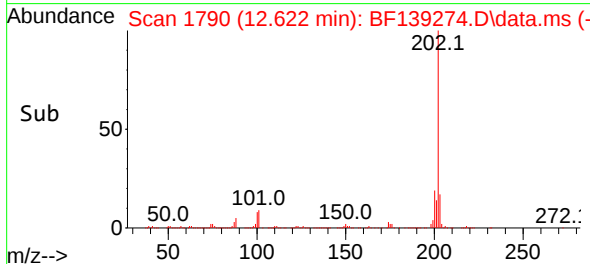
Instrument :
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ClientSampleId :
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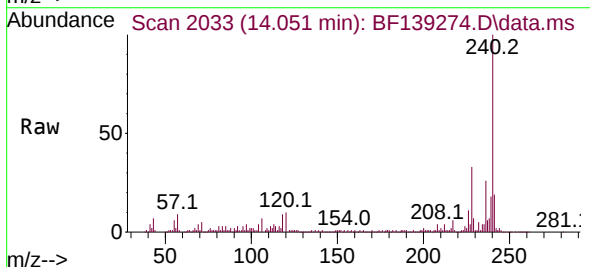
Tgt Ion:202 Resp: 292440
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.9
203 17.3 0.0 37.7

Manual Integrations
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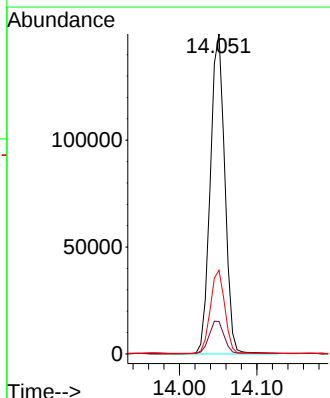
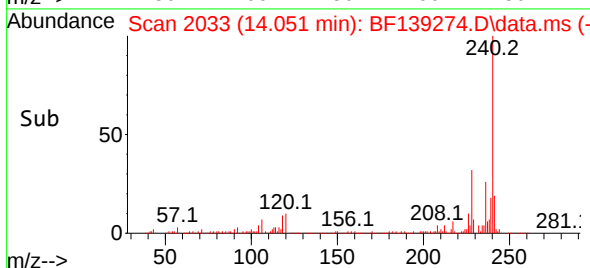
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024

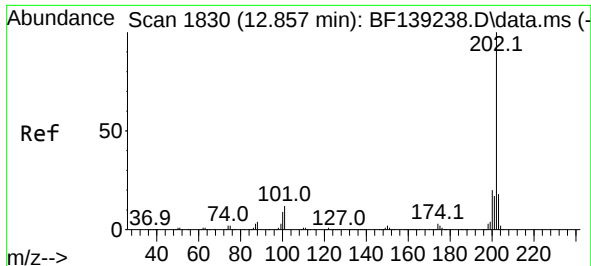


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33



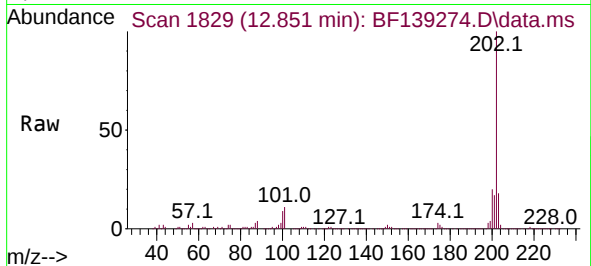
Tgt Ion:240 Resp: 195078
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 26.1 20.7 31.1





#78
Pyrene
Concen: 14.839 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

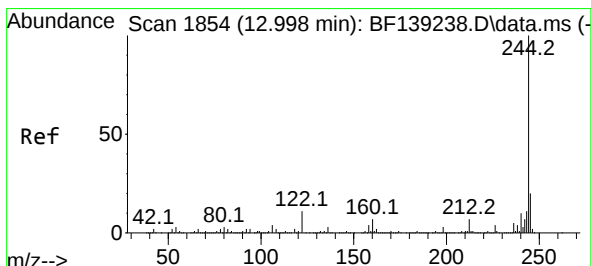
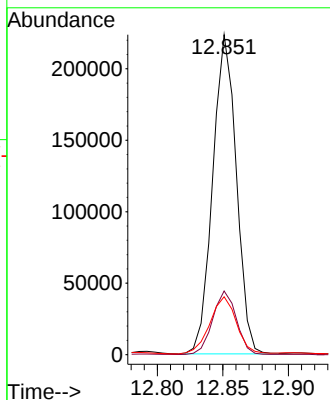
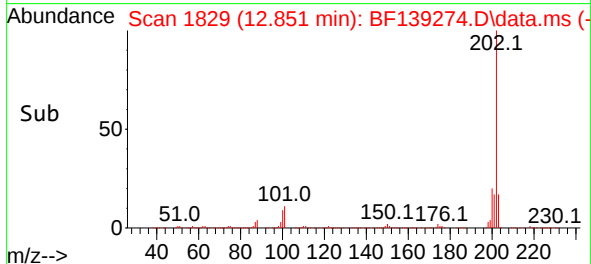
Instrument :
BNA_F
ClientSampleId :
VNJ223



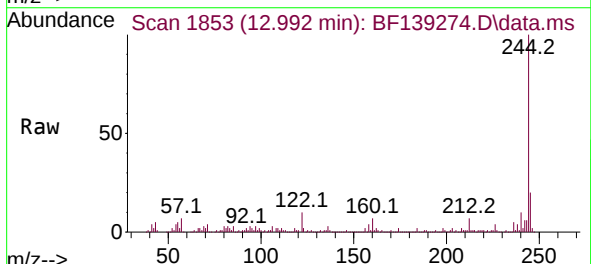
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Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.8
203 18.1 14.1 21.1

Manual Integrations
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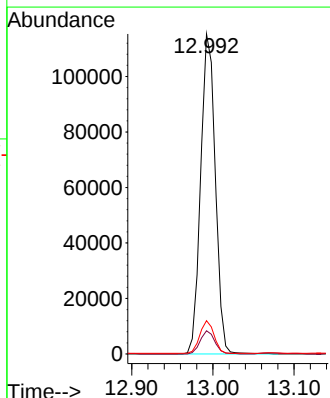
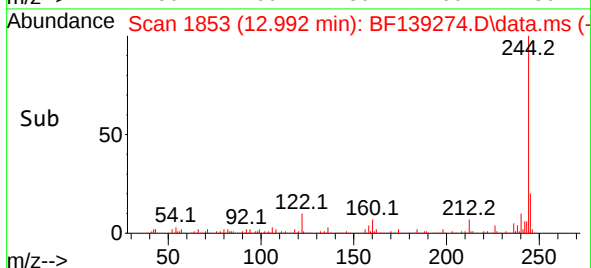
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024

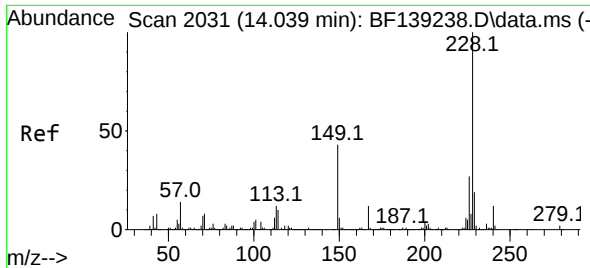


#79
Terphenyl-d14
Concen: 11.981 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33



Tgt Ion:244 Resp: 144759
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 10.4 8.7 13.1





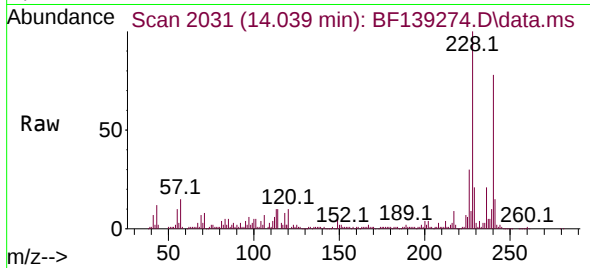
#81
Benzo(a)anthracene
Concen: 11.188 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

Instrument :

BNA_F

ClientSampleId :

VNJ223

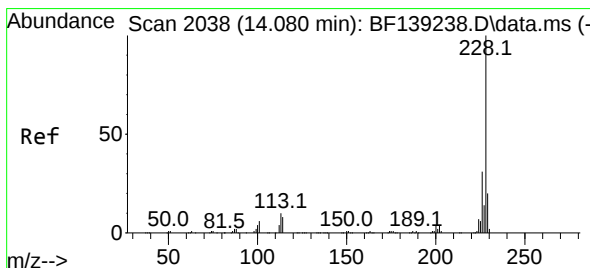
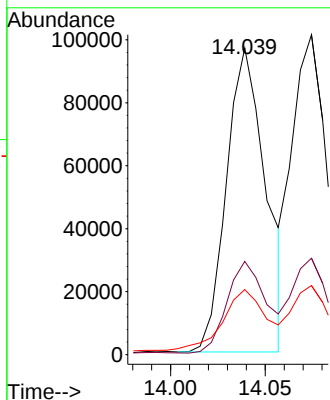
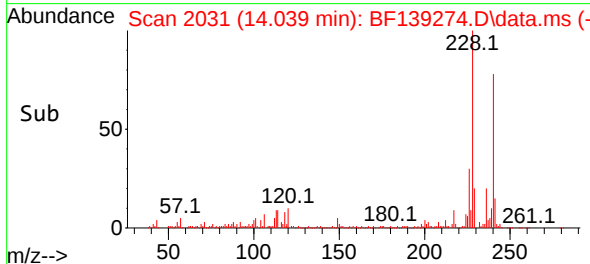


Tgt Ion:228 Resp: 13936
Ion Ratio Lower Upper
228 100
226 30.4 21.5 32.3
229 21.2 15.6 23.4

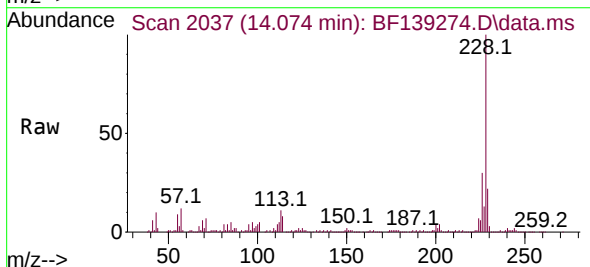
Manual Integrations

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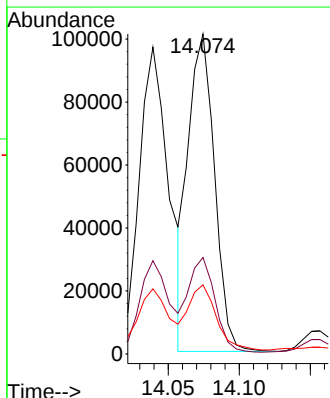
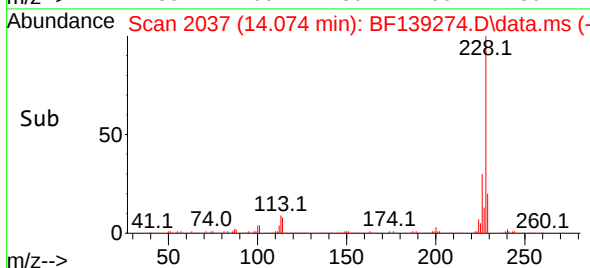
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024

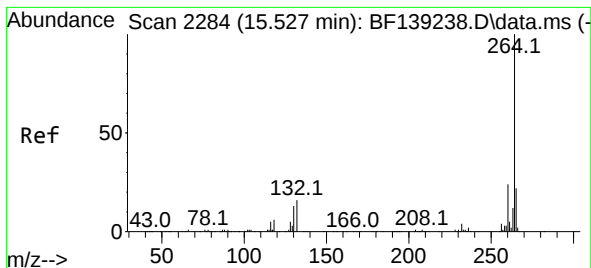


#83
Chrysene
Concen: 11.152 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33



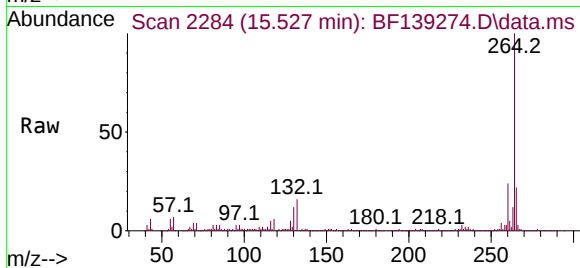
Tgt Ion:228 Resp: 129655
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 21.6 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21959
Delta R.T. -0.000 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

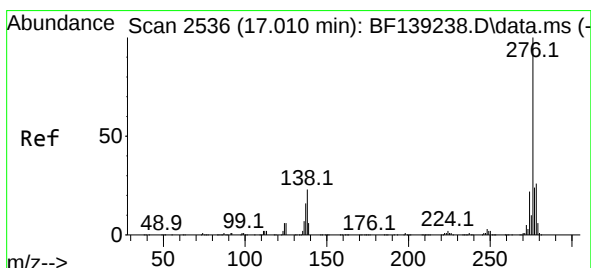
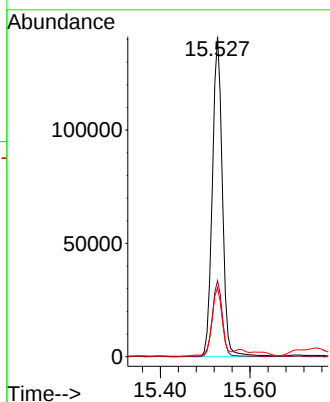
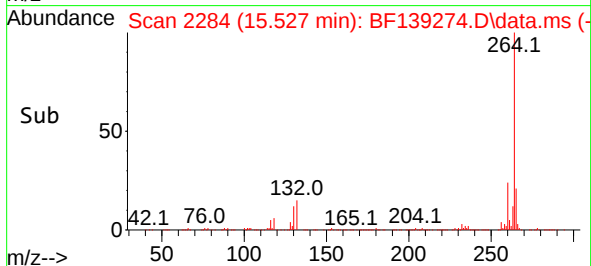
Instrument :
BNA_F
ClientSampleId :
VNJ223



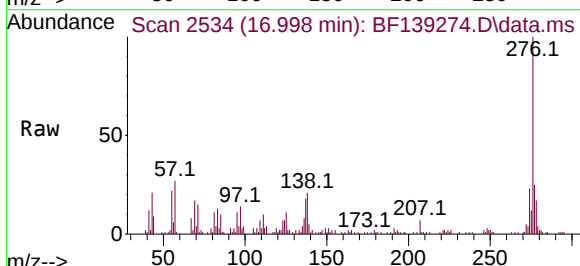
Tgt Ion:264 Resp: 21959
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 21.6 17.3 25.9

Manual Integrations
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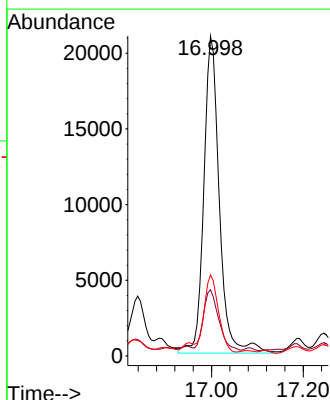
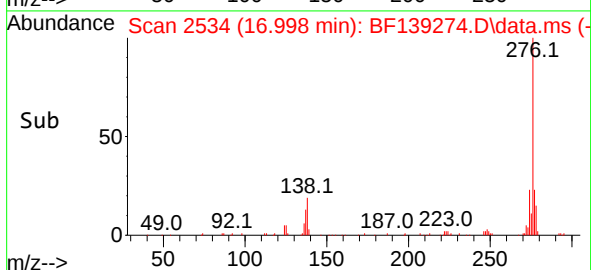
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024

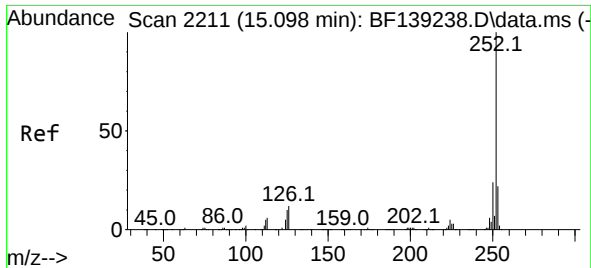


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.602 ng m
RT: 16.998 min Scan# 2534
Delta R.T. -0.012 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33



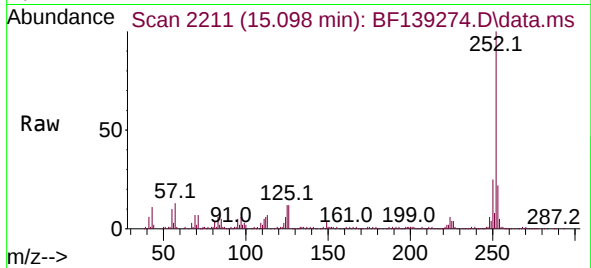
Tgt Ion:276 Resp: 49416
Ion Ratio Lower Upper
276 100
138 4.7 20.4 30.6#
277 4.9 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 13.885 ng m
RT: 15.098 min Scan# 2111
Delta R.T. -0.000 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33

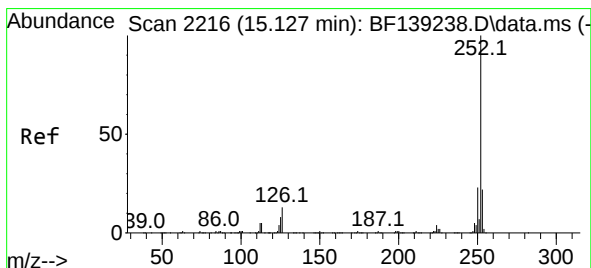
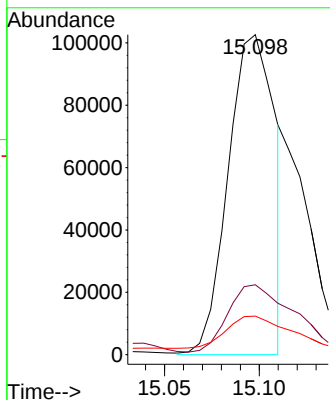
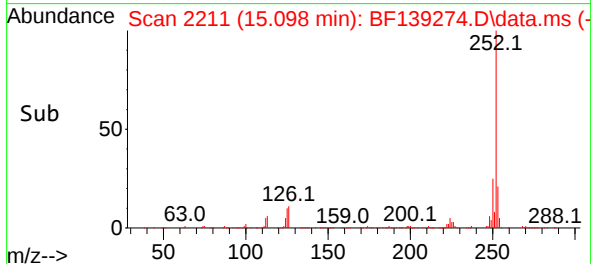
Instrument :
BNA_F
ClientSampleId :
VNJ223



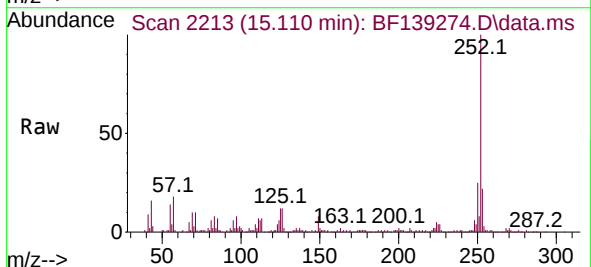
Tgt Ion:252 Resp: 175598
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 12.0 7.6 11.4

Manual Integrations
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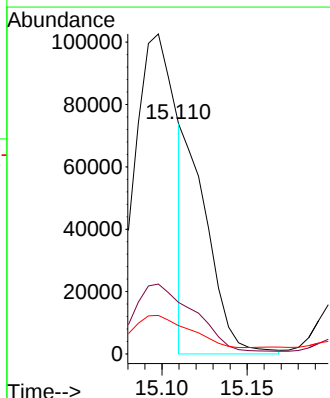
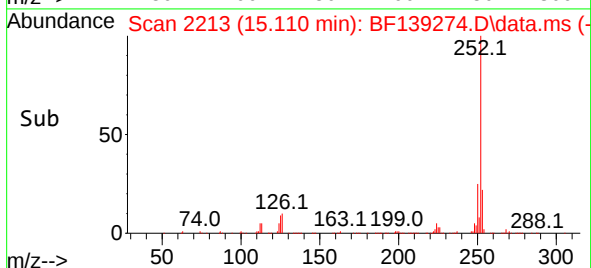
Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024

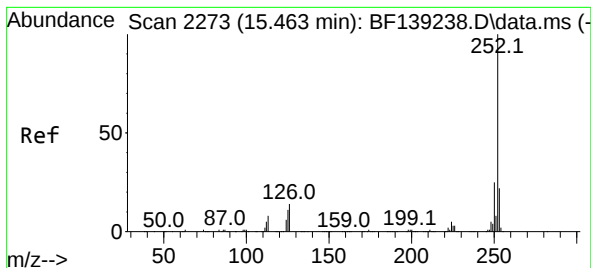


#89
Benzo(k)fluoranthene
Concen: 6.309 ng m
RT: 15.110 min Scan# 2213
Delta R.T. -0.018 min
Lab File: BF139274.D
Acq: 06 Sep 2024 13:33



Tgt Ion:252 Resp: 71539
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 12.3 7.2 10.8





#90

Benzo(a)pyrene

Concen: 10.731 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139274.D

Acq: 06 Sep 2024 13:33

Instrument :

BNA_F

ClientSampleId :

VNJ223

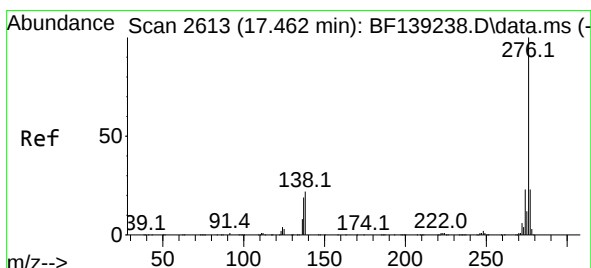
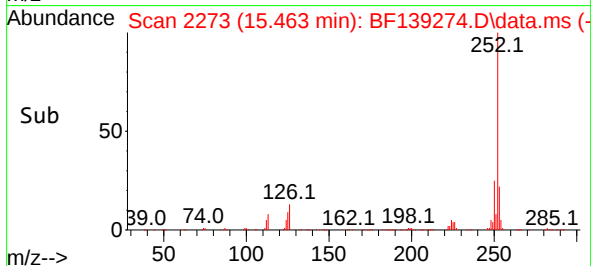
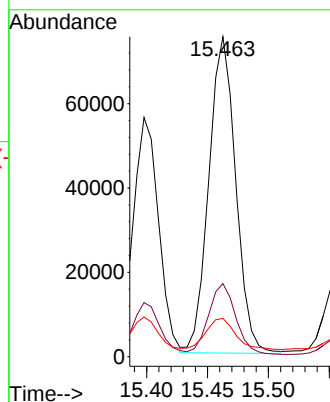
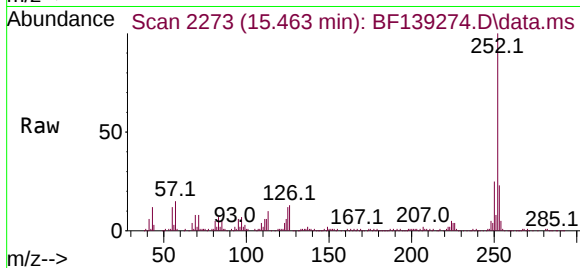
Tgt Ion:252 Resp: 115230

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.9	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/07/2024
Supervised By :mohammad ahmed 09/07/2024



#92

Benzo(g,h,i)perylene

Concen: 3.558 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.018 min

Lab File: BF139274.D

Acq: 06 Sep 2024 13:33

Tgt Ion:276 Resp: 41517

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.6	27.8
138	20.7	17.4	26.0

