

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103024\
 Data File : BF140161.D
 Acq On : 30 Oct 2024 16:53
 Operator : RC/JU
 Sample : P4618-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-102924

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Nov 01 02:17:01 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	6.881	152	92901	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	350247	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	175684	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	253898	20.000	ng	0.00
76) Chrysene-d12	14.080	240	166231	20.000	ng	0.03
86) Perylene-d12	15.610	264	196795	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	594586	100.195	ng	0.00
7) Phenol-d6	6.504	99	762604	99.221	ng	0.00
23) Nitrobenzene-d5	7.439	82	516518	81.735	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	159492	97.056	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	876898	82.492	ng	-0.01
79) Terphenyl-d14	13.010	244	661121	64.806	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.181	128	49584	2.745	ng	99
52) Acenaphthene	9.957	154	94114	10.216	ng	98
55) Dibenzofuran	10.128	168	58964	4.461	ng	98
58) Fluorene	10.475	166	78184	7.766	ng	97
71) Phenanthrene	11.445	178	773455	64.492	ng	99
72) Anthracene	11.492	178	218773	18.696	ng	99
73) Carbazole	11.645	167	86298	7.930	ng	99
75) Fluoranthene	12.639	202	929483	76.664	ng	99
78) Pyrene	12.868	202	750782	51.598	ng	99
81) Benzo(a)anthracene	14.068	228	453786	41.935	ng	98
83) Chrysene	14.104	228	368611	37.152	ng	98
87) Indeno(1,2,3-cd)pyrene	17.127	276	176174m	13.915	ng	
88) Benzo(b)fluoranthene	15.168	252	509621m	42.511	ng	
89) Benzo(k)fluoranthene	15.180	252	195633m	18.923	ng	
90) Benzo(a)pyrene	15.545	252	355775	36.068	ng	98
91) Dibenzo(a,h)anthracene	17.145	278	38121	3.609	ng	95
92) Benzo(g,h,i)perylene	17.592	276	142890	13.545	ng	98

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

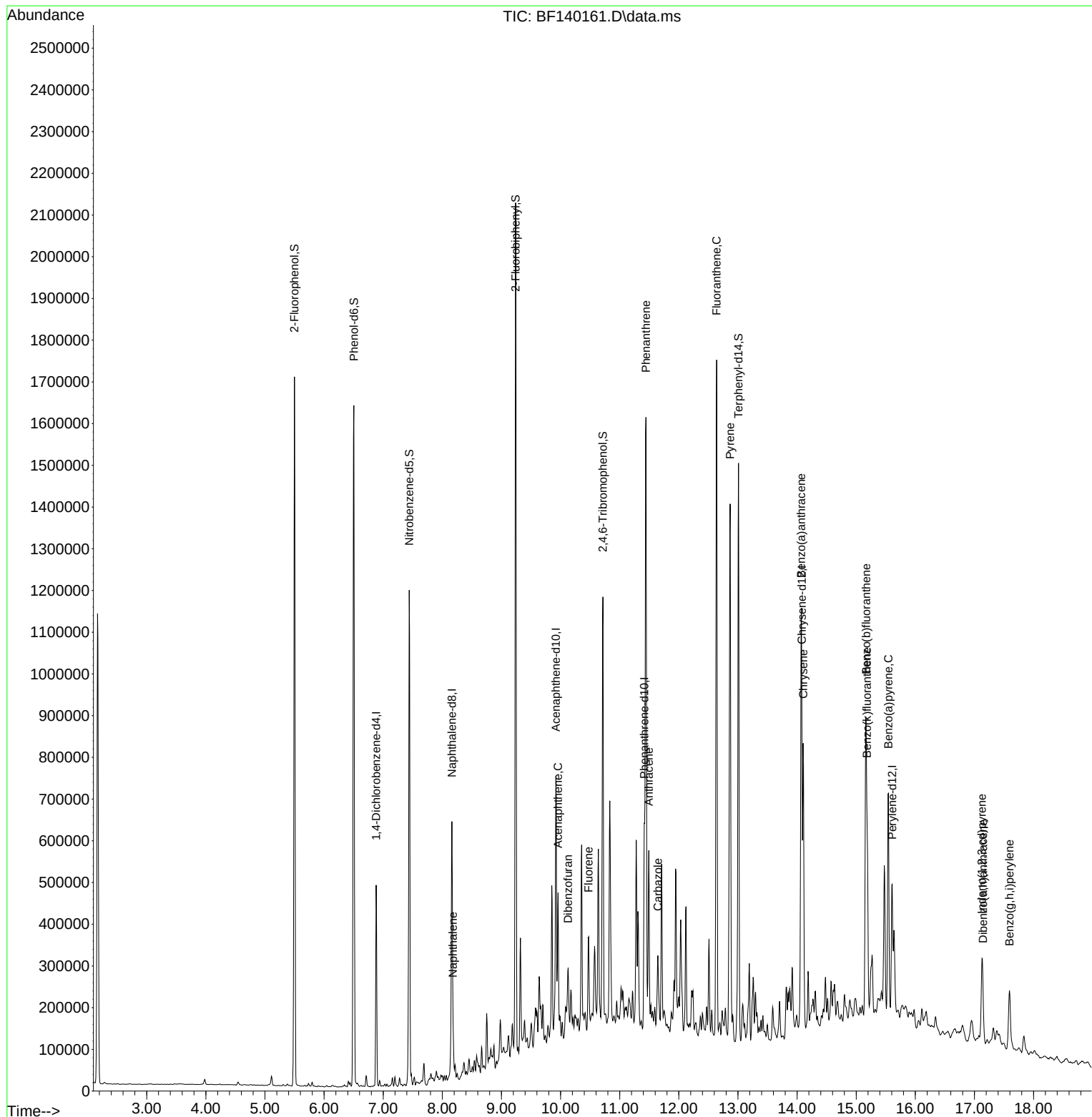
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Data File : BF140161.D
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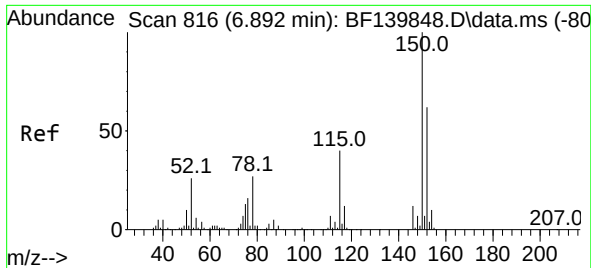
Instrument :
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Quant Time: Nov 01 02:17:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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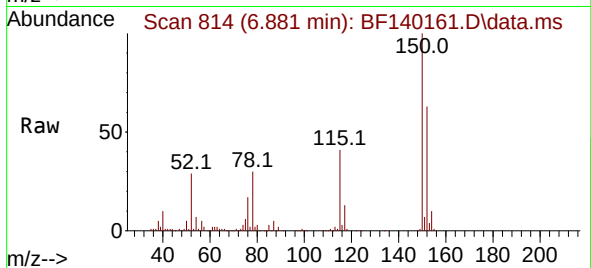
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

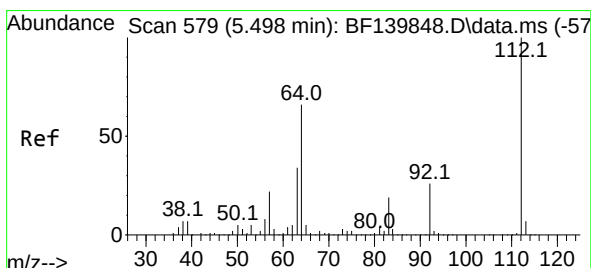
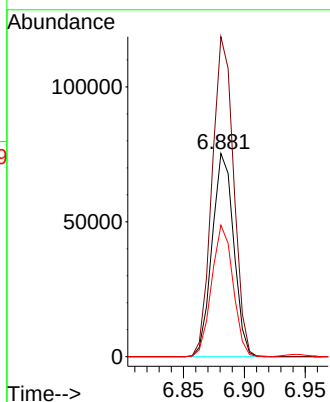
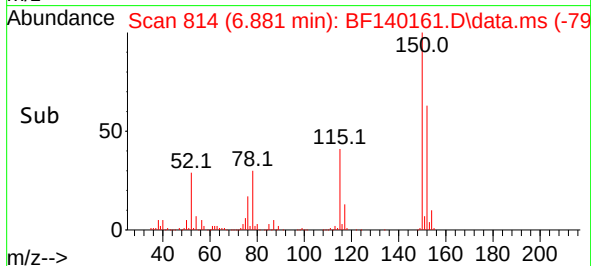
Instrument :
BNA_F
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HR-04-102924



Tgt Ion:152 Resp: 9290
Ion Ratio Lower Upper
152 100
150 157.5 130.2 195.2
115 64.8 51.4 77.2

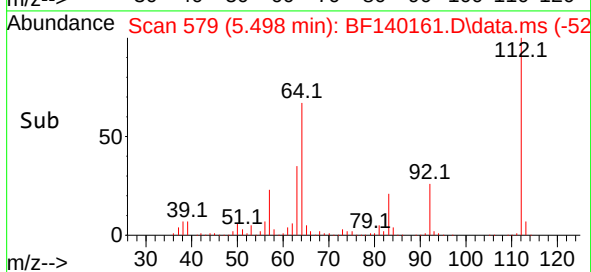
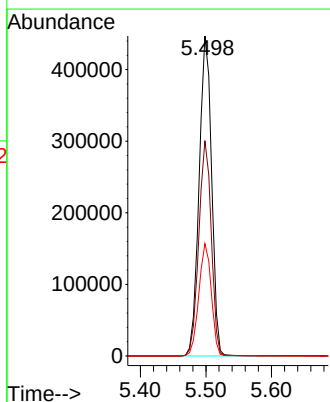
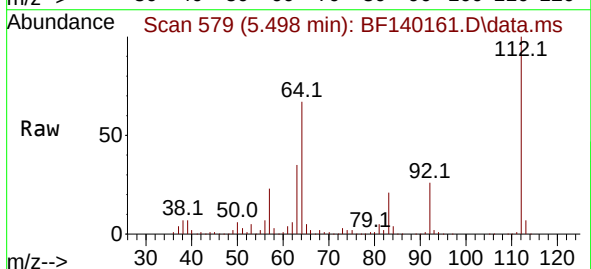
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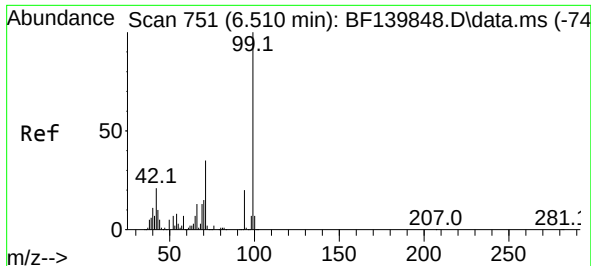
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 100.195 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:112 Resp: 594586
Ion Ratio Lower Upper
112 100
64 67.3 53.0 79.6
63 35.1 27.0 40.4





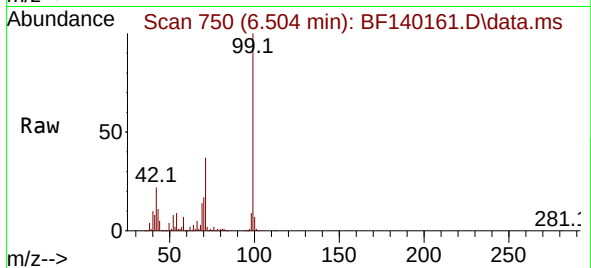
#7
Phenol-d6
Concen: 99.221 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

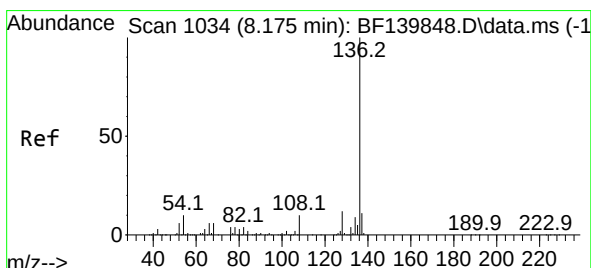
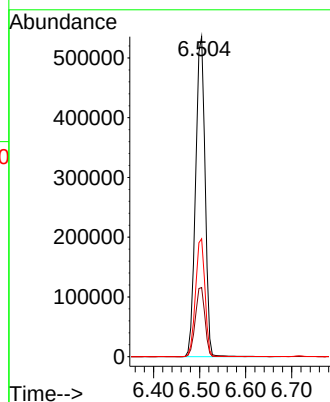
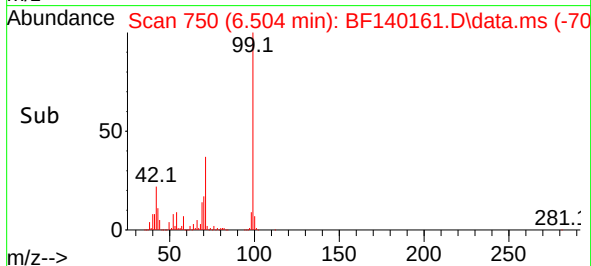
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Tgt Ion: 99 Resp: 762604
Ion Ratio Lower Upper
99 100
42 21.6 16.7 25.1
71 36.8 27.7 41.5

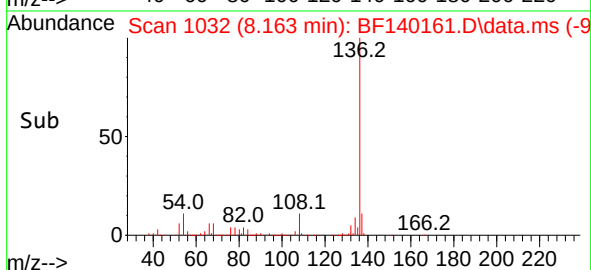
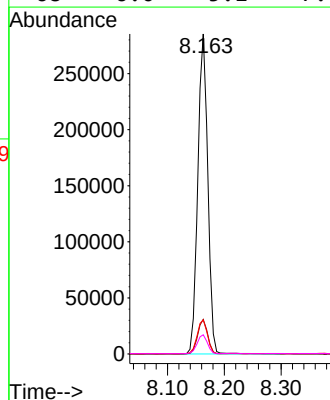
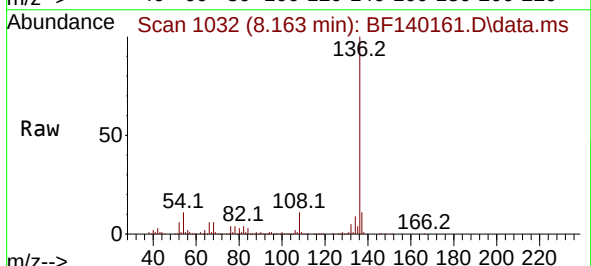
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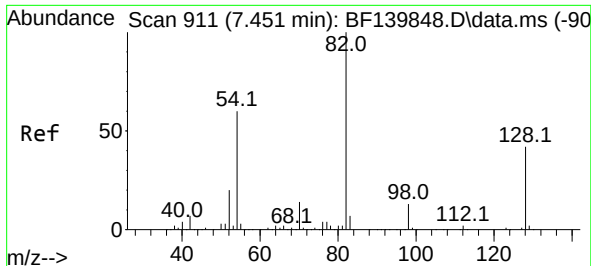
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:136 Resp: 350247
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 10.7 8.4 12.6
68 6.0 5.1 7.7





#23
Nitrobenzene-d5
Concen: 81.735 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

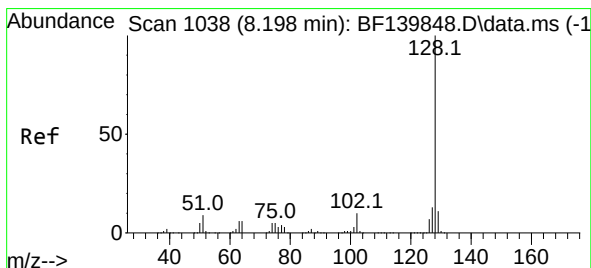
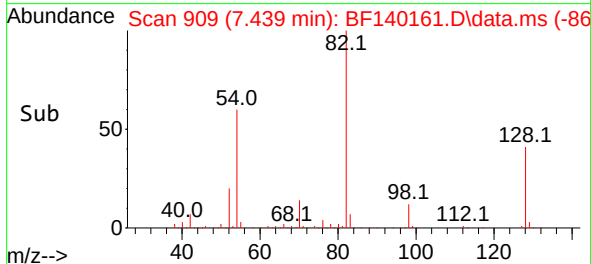
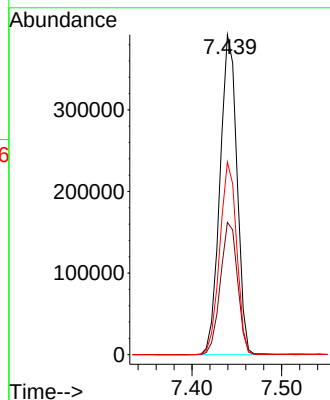
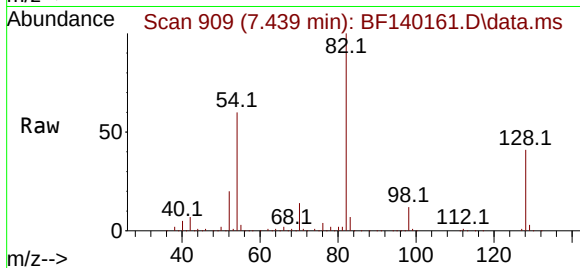
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Tgt Ion: 82 Resp: 516518
Ion Ratio Lower Upper
82 100
128 41.4 33.4 50.0
54 60.2 47.8 71.8

Manual Integrations

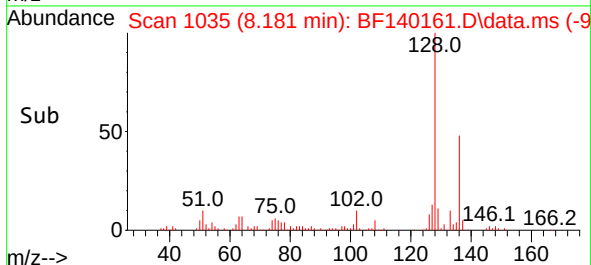
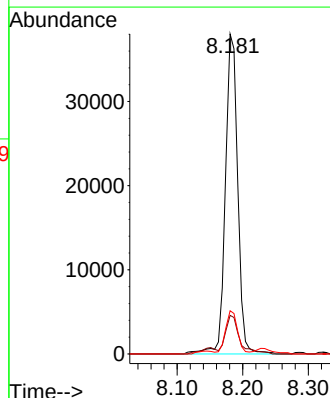
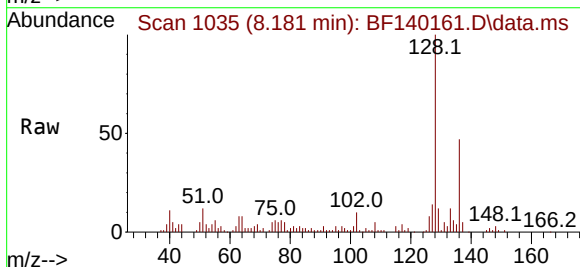
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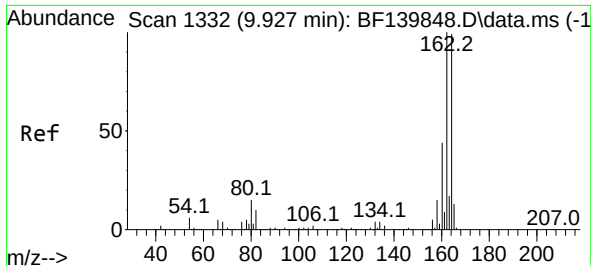
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#31
Naphthalene
Concen: 2.745 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.018 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:128 Resp: 49584
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 13.5 10.6 16.0





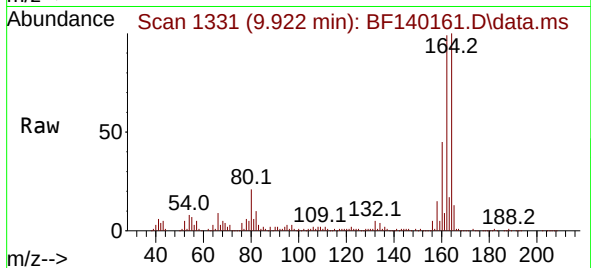
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

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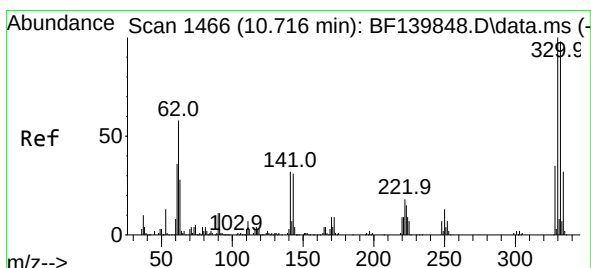
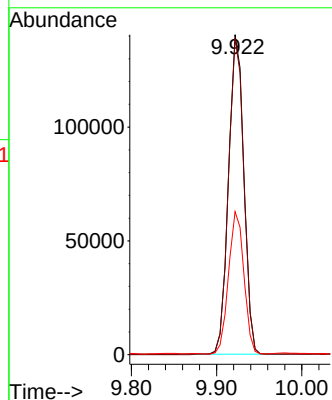
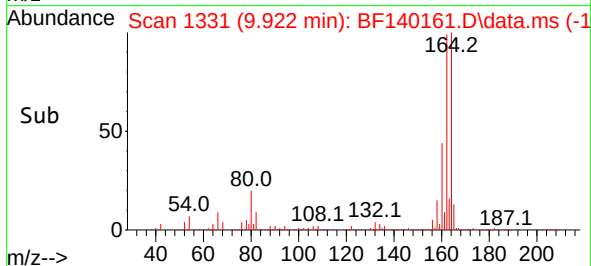
Tgt Ion:164 Resp: 175684
Ion Ratio Lower Upper
164 100
162 98.9 81.0 121.4
160 44.7 35.4 53.0

Manual Integrations

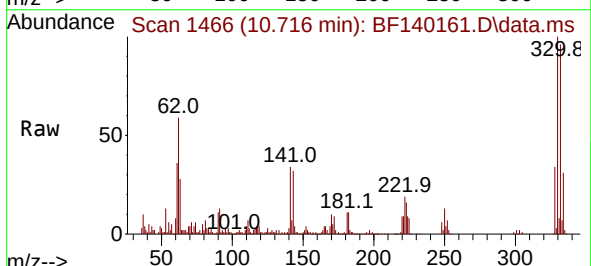
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Reviewed By :Yogesh Patel 11/04/2024

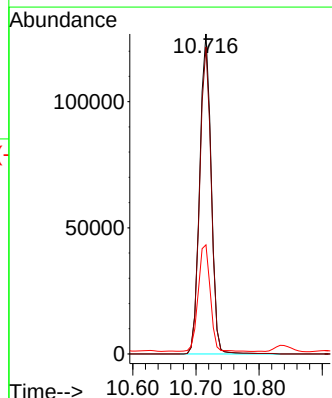
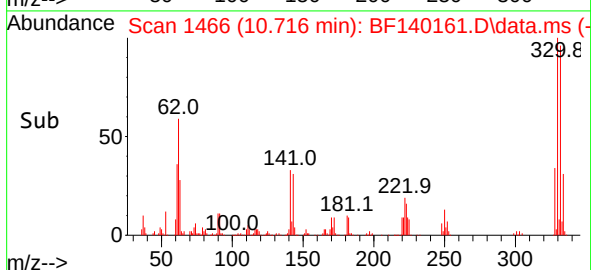
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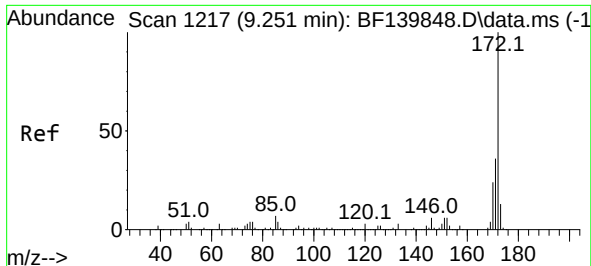


#42
2,4,6-Tribromophenol
Concen: 97.056 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53



Tgt Ion:330 Resp: 159492
Ion Ratio Lower Upper
330 100
332 96.6 78.1 117.1
141 35.1 26.6 39.8





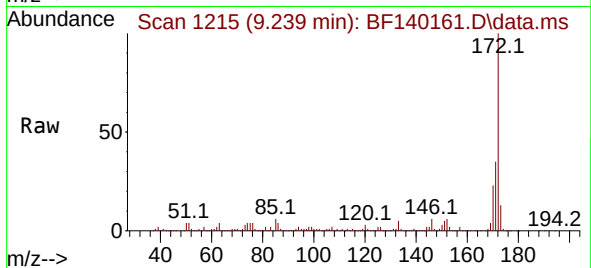
#45
2-Fluorobiphenyl
Concen: 82.492 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

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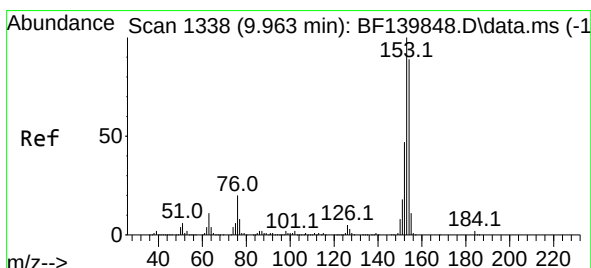
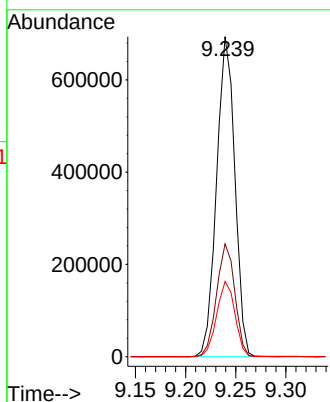
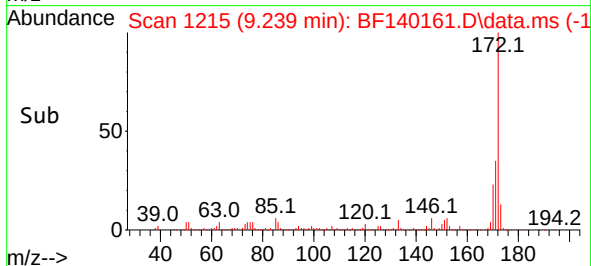


Tgt Ion:172 Resp: 876898
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.5 19.1 28.7

Manual Integrations

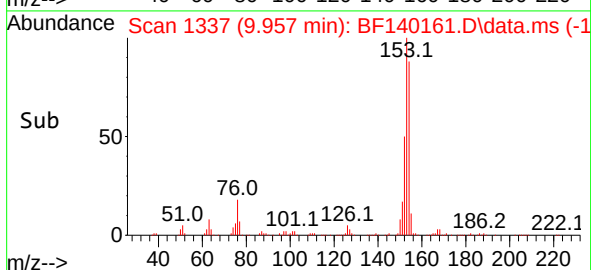
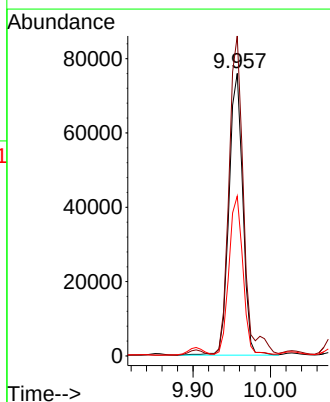
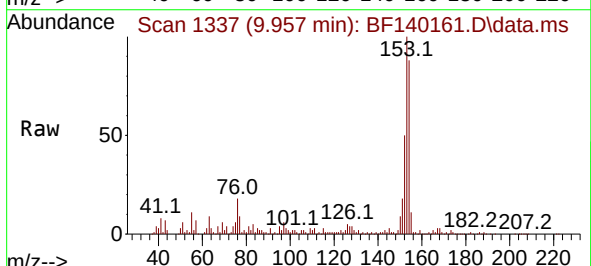
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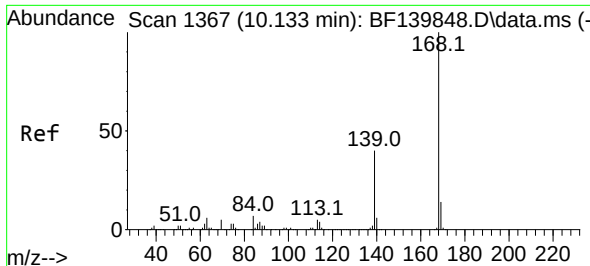
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#52
Acenaphthene
Concen: 10.216 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:154 Resp: 94114
Ion Ratio Lower Upper
154 100
153 113.2 89.8 134.6
152 56.5 42.4 63.6





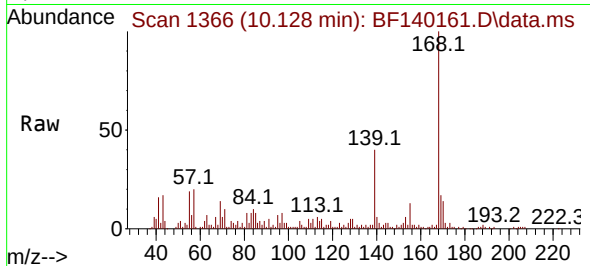
#55
Dibenzenofuran
Concen: 4.461 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :

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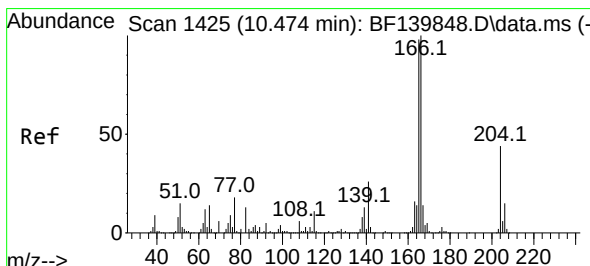
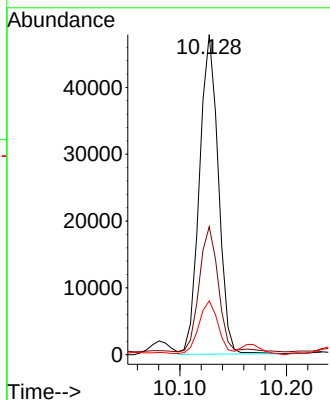
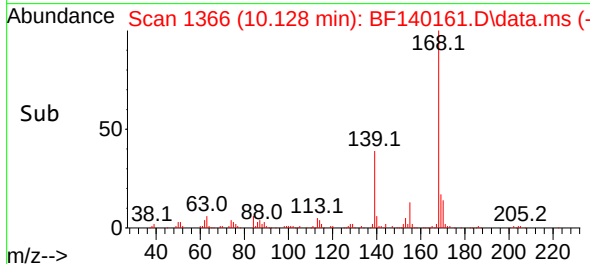
Tgt Ion:168 Resp: 58964
Ion Ratio Lower Upper
168 100
139 40.0 31.8 47.6
169 16.8 11.6 17.4

Manual Integrations

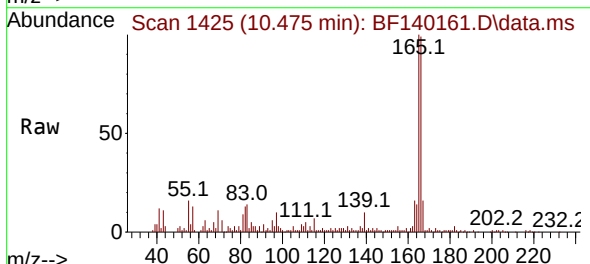
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Reviewed By :Yogesh Patel 11/04/2024

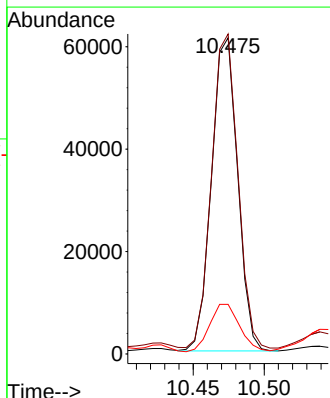
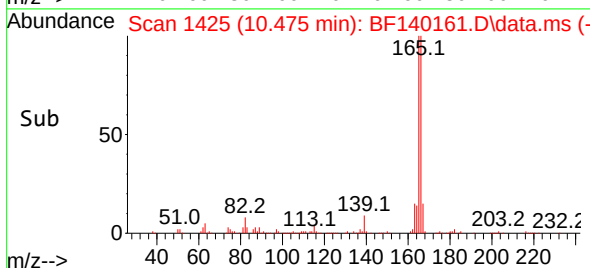
Supervised By :mohammad ahmed 11/04/2024

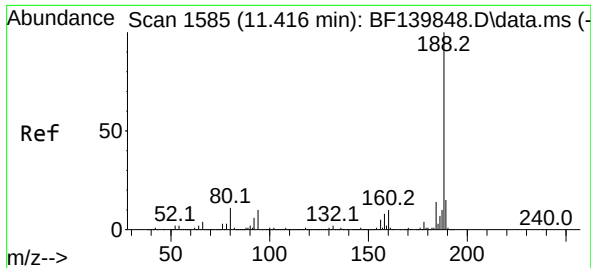


#58
Fluorene
Concen: 7.766 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53



Tgt Ion:166 Resp: 78184
Ion Ratio Lower Upper
166 100
165 101.2 78.5 117.7
167 15.7 10.9 16.3





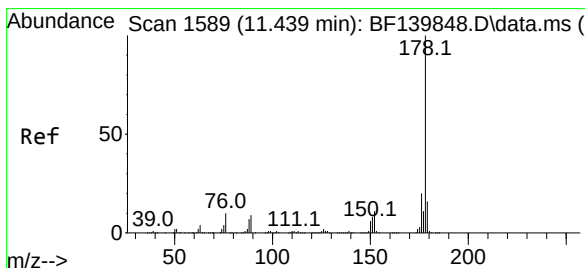
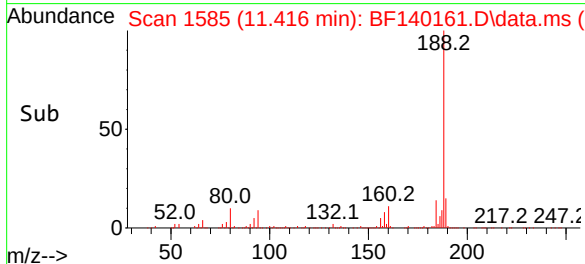
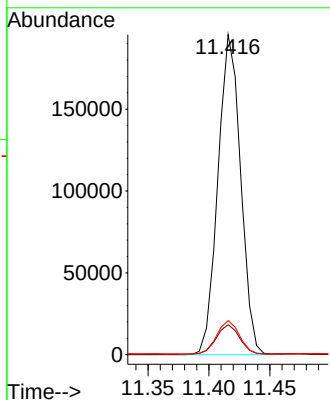
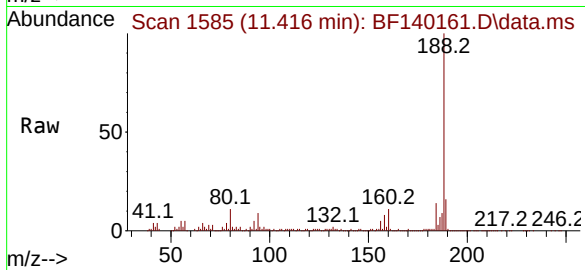
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:188 Resp: 253898
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.7 9.0 13.4

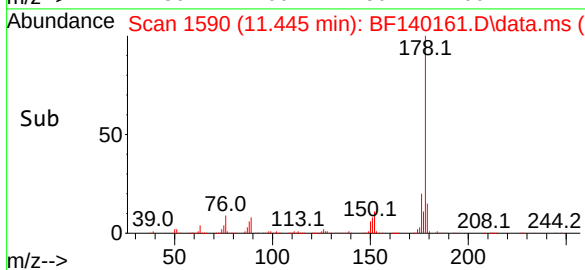
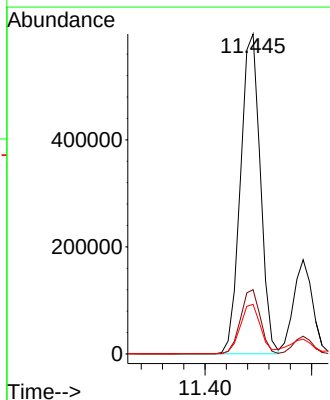
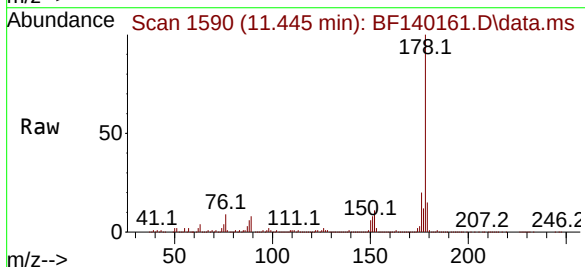
Manual Integrations
APPROVED

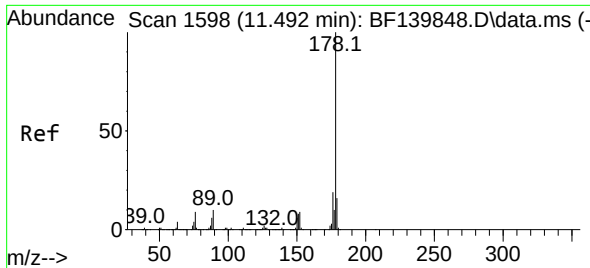
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#71
Phenanthrene
Concen: 64.492 ng
RT: 11.445 min Scan# 1590
Delta R.T. 0.006 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:178 Resp: 773455
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.6
179 15.5 12.6 18.8





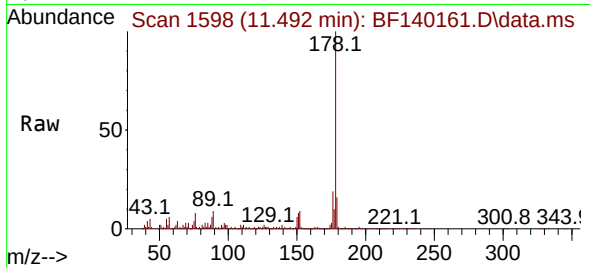
#72
 Anthracene
 Concen: 18.696 ng
 RT: 11.492 min Scan# 1598
 Delta R.T. 0.000 min
 Lab File: BF140161.D
 Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

HR-04-102924



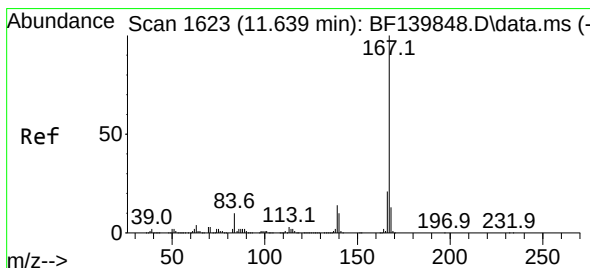
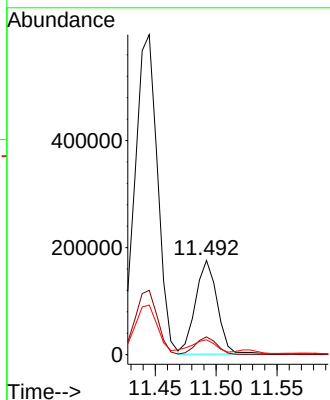
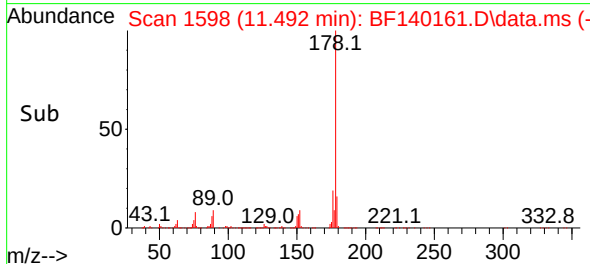
Tgt Ion:178 Resp: 21877
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 15.8 12.4 18.6

Manual Integrations

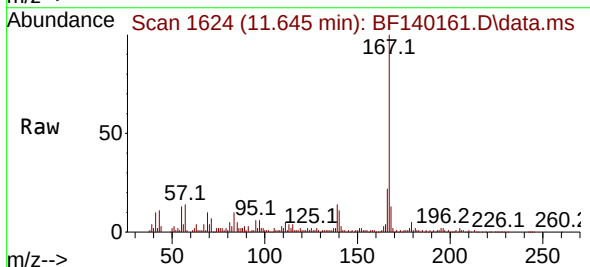
APPROVED

Reviewed By :Yogesh Patel 11/04/2024

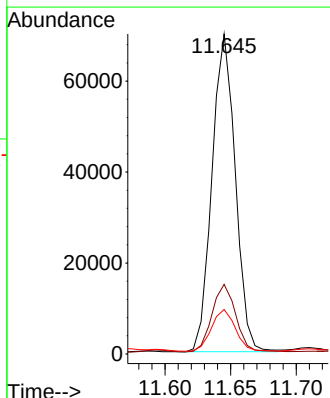
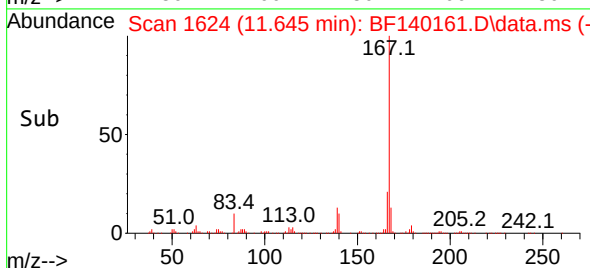
Supervised By :mohammad ahmed 11/04/2024

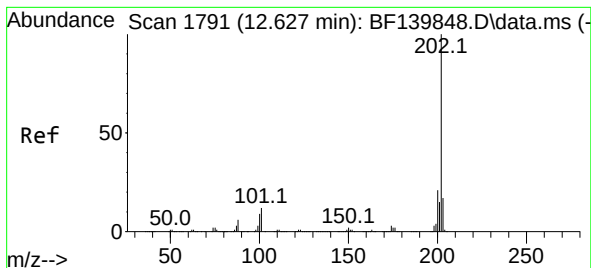


#73
 Carbazole
 Concen: 7.930 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. 0.006 min
 Lab File: BF140161.D
 Acq: 30 Oct 2024 16:53



Tgt Ion:167 Resp: 86298
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 13.9 10.8 16.2





#75

Fluoranthene

Concen: 76.664 ng

RT: 12.639 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF140161.D

Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

HR-04-102924

Tgt Ion:202 Resp: 92948

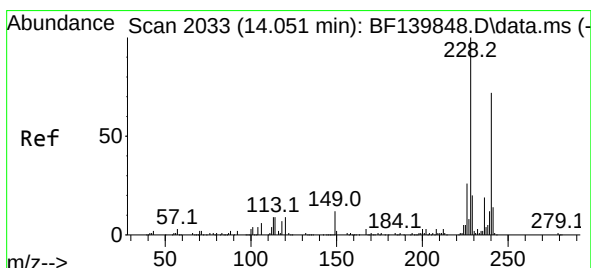
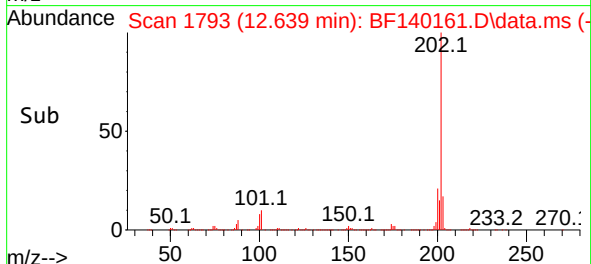
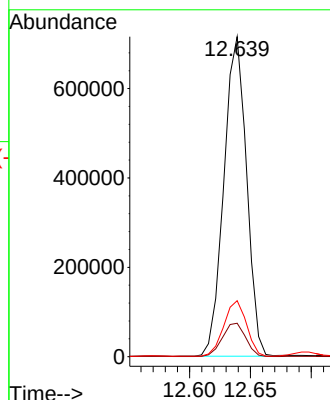
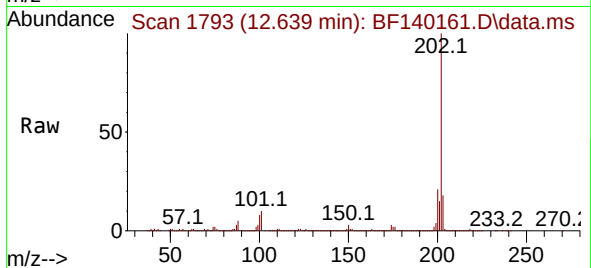
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.9
203	17.5	0.0	37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 2038

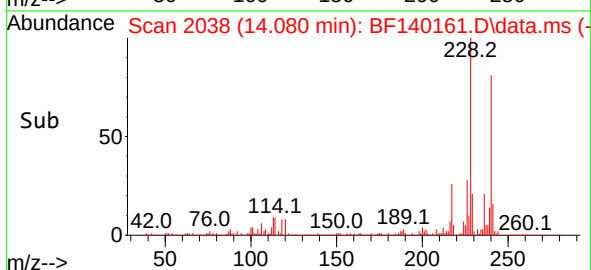
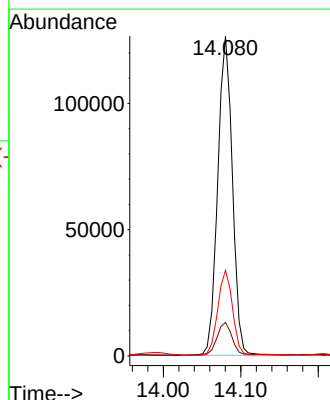
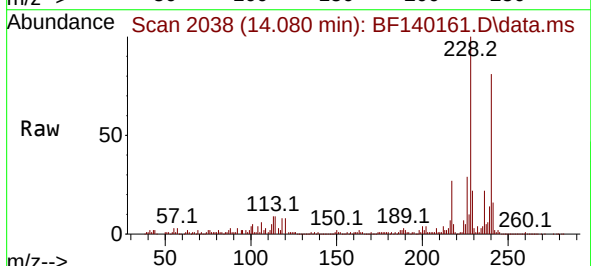
Delta R.T. 0.029 min

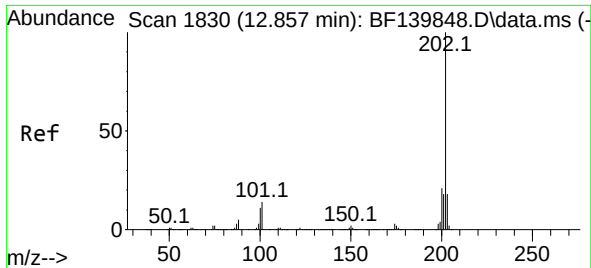
Lab File: BF140161.D

Acq: 30 Oct 2024 16:53

Tgt Ion:240 Resp: 166231

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.4	14.2
236	26.8	20.9	31.3





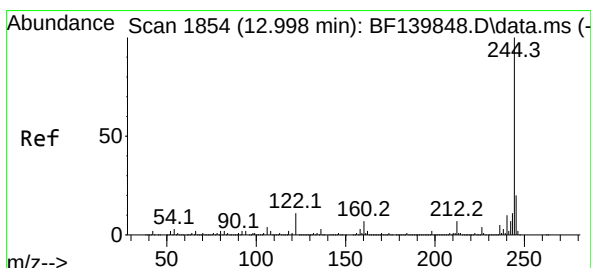
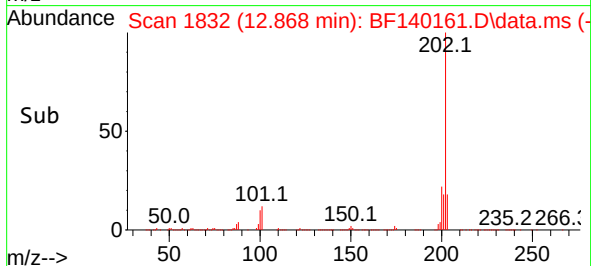
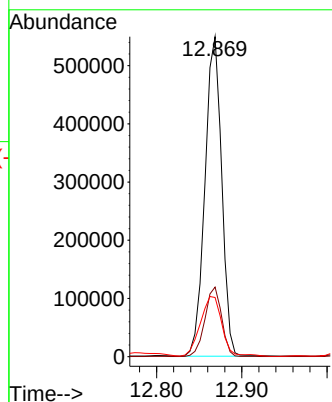
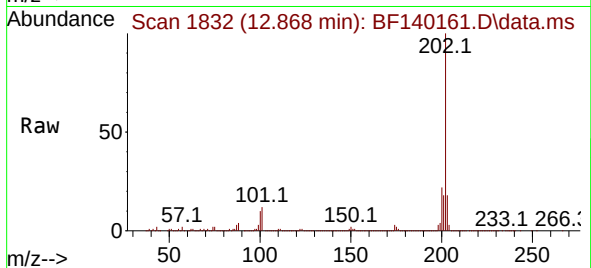
#78
Pyrene
Concen: 51.598 ng
RT: 12.868 min Scan# 1832
Delta R.T. 0.012 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :
BNA_F
ClientSampleId :
HR-04-102924

Tgt Ion:202 Resp: 75078
Ion Ratio Lower Upper
202 100
200 21.7 17.2 25.8
203 18.5 14.2 21.4

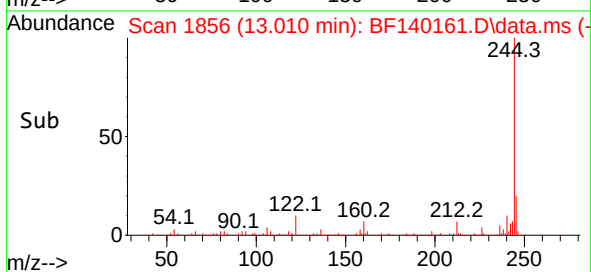
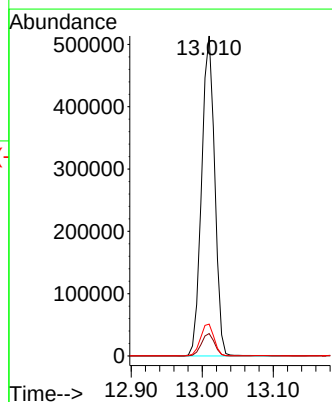
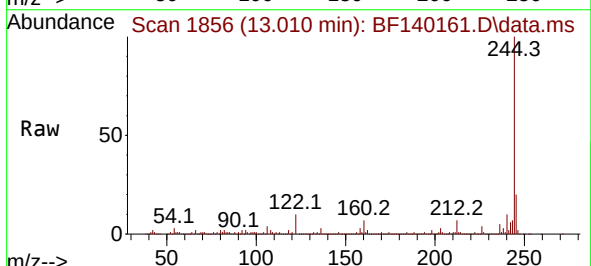
Manual Integrations
APPROVED

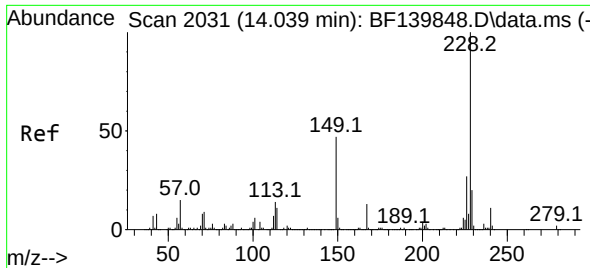
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#79
Terphenyl-d14
Concen: 64.806 ng
RT: 13.010 min Scan# 1856
Delta R.T. 0.012 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:244 Resp: 661121
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.0 8.6 13.0





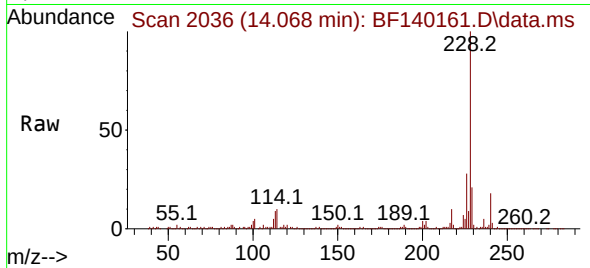
#81
Benzo(a)anthracene
Concen: 41.935 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.030 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

HR-04-102924

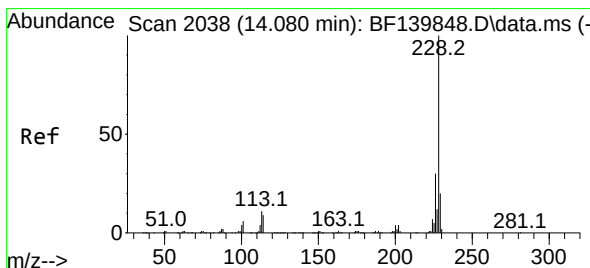
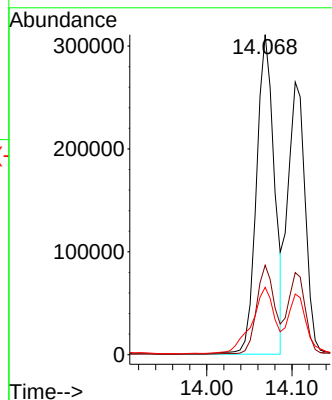
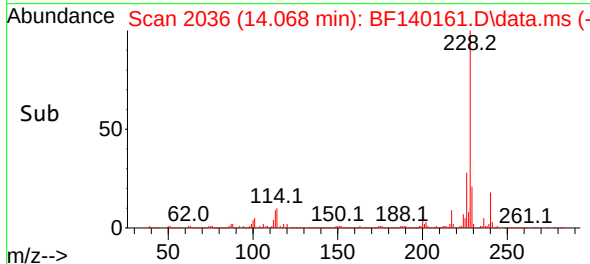


Tgt Ion:228 Resp: 453780
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 21.1 16.1 24.1

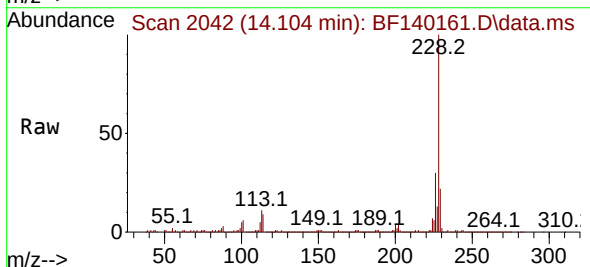
Manual Integrations

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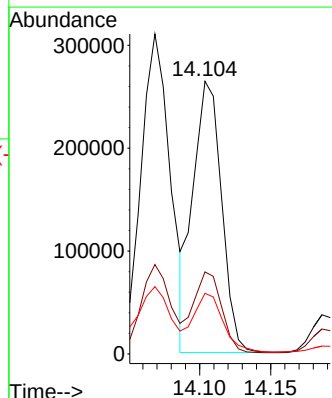
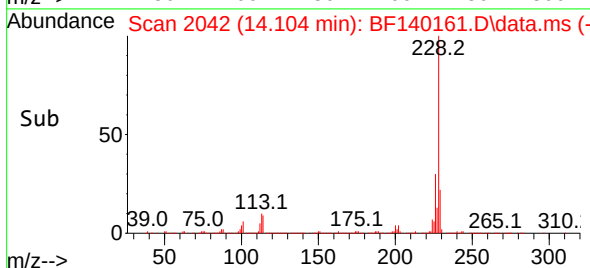
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

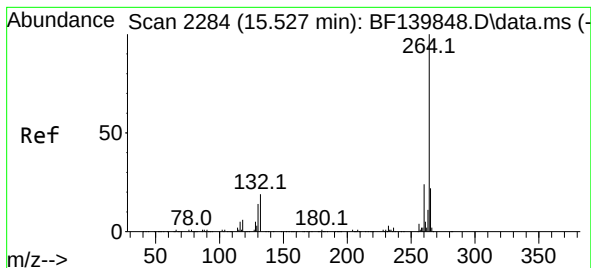


#83
Chrysene
Concen: 37.152 ng
RT: 14.104 min Scan# 2042
Delta R.T. 0.024 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53



Tgt Ion:228 Resp: 368611
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. 0.082 min

Lab File: BF140161.D

Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

HR-04-102924

Tgt Ion:264 Resp: 19679

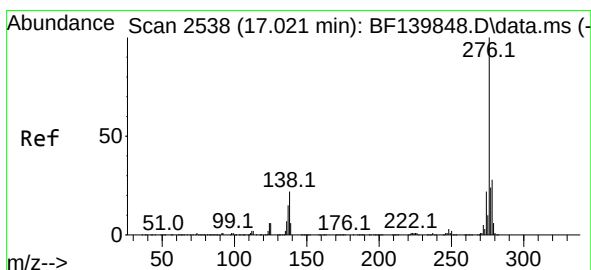
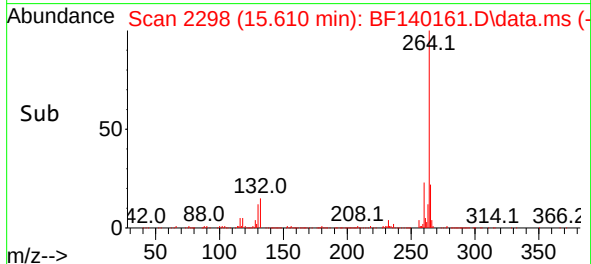
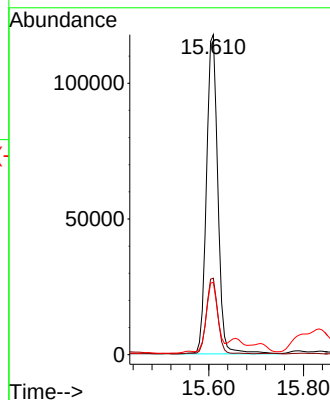
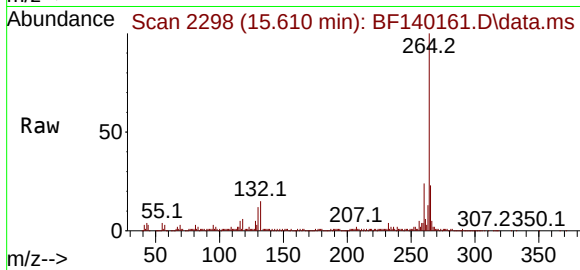
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	22.6	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.915 ng m

RT: 17.127 min Scan# 2556

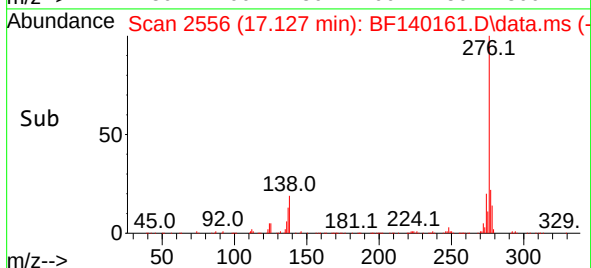
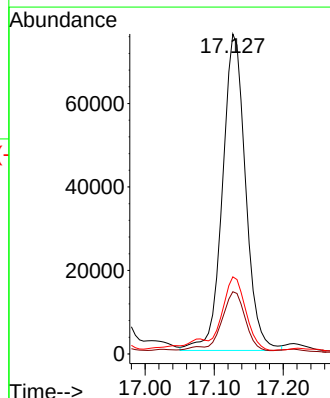
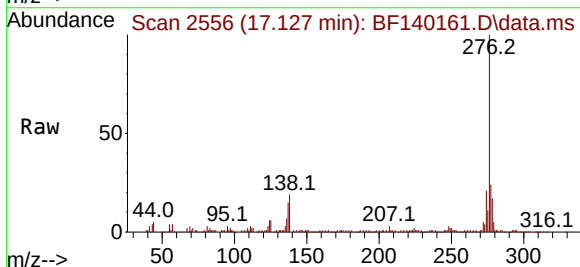
Delta R.T. 0.106 min

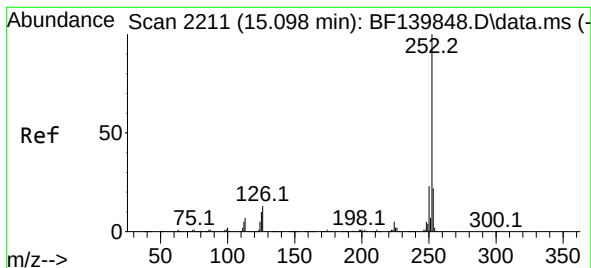
Lab File: BF140161.D

Acq: 30 Oct 2024 16:53

Tgt Ion:276 Resp: 176174

Ion	Ratio	Lower	Upper
276	100		
138	3.9	20.4	30.6#
277	4.5	20.2	30.4#





#88

Benzo(b)fluoranthene

Concen: 42.511 ng m

RT: 15.168 min Scan# 2211

Delta R.T. 0.071 min

Lab File: BF140161.D

Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

HR-04-102924

Tgt Ion:252 Resp: 50962

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

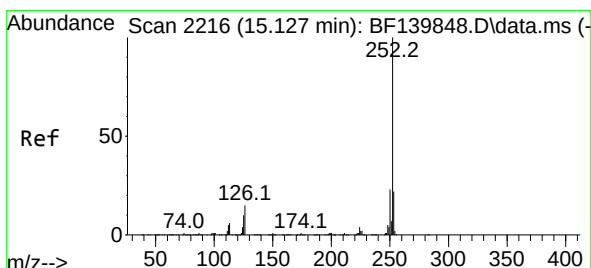
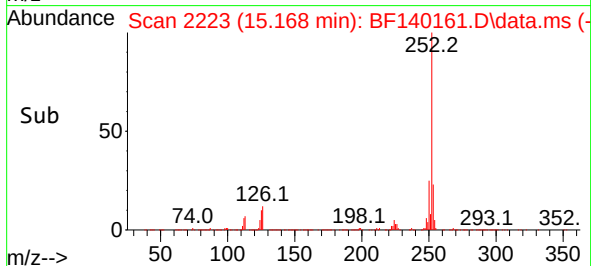
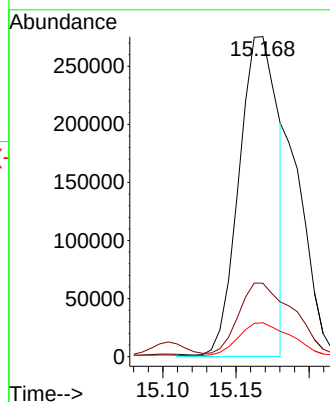
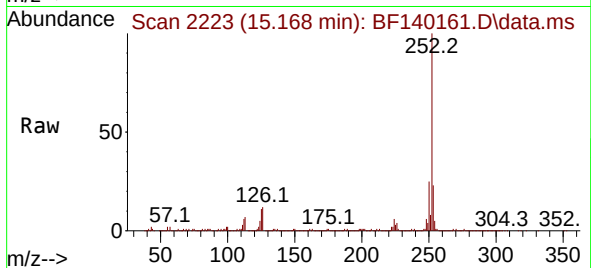
125 10.6 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#89

Benzo(k)fluoranthene

Concen: 18.923 ng m

RT: 15.180 min Scan# 2225

Delta R.T. 0.053 min

Lab File: BF140161.D

Acq: 30 Oct 2024 16:53

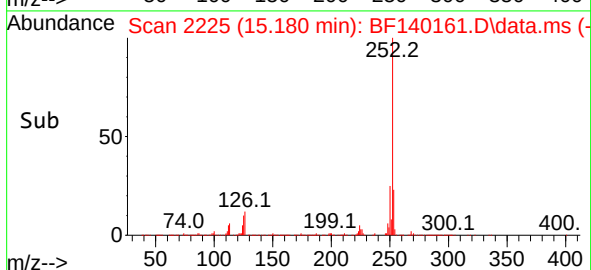
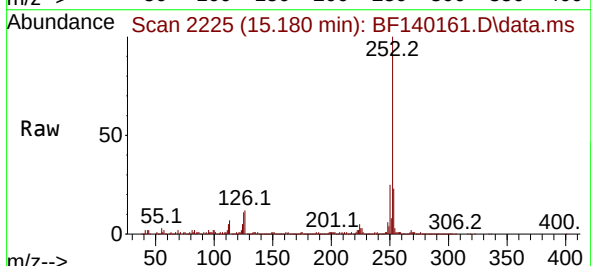
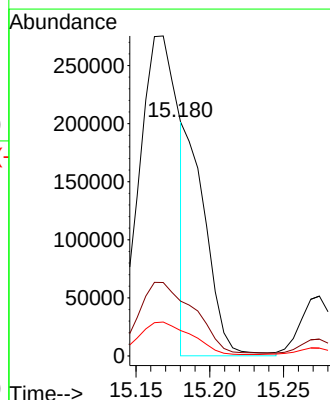
Tgt Ion:252 Resp: 195633

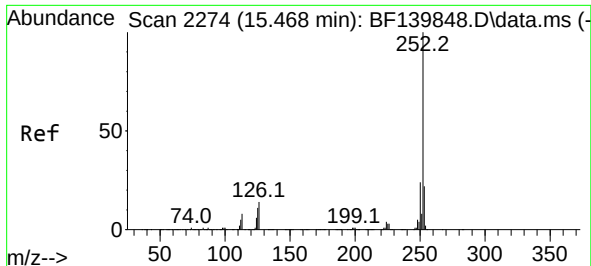
Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 10.9 7.9 11.9





#90
Benzo(a)pyrene
Concen: 36.068 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.077 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

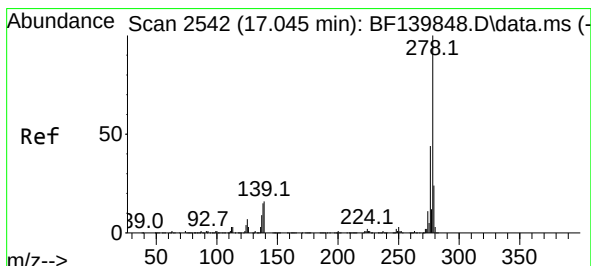
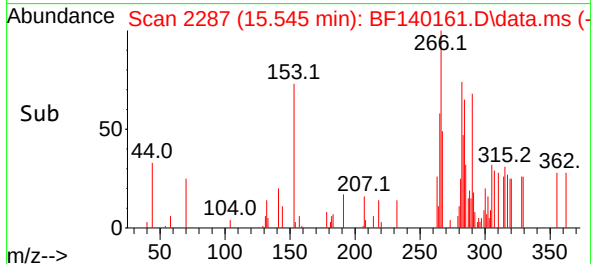
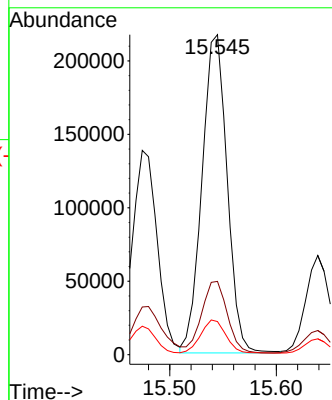
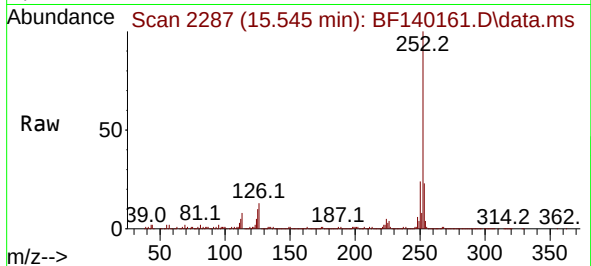
ClientSampleId :

HR-04-102924

Tgt Ion:252 Resp: 35577
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 10.3 8.7 13.1

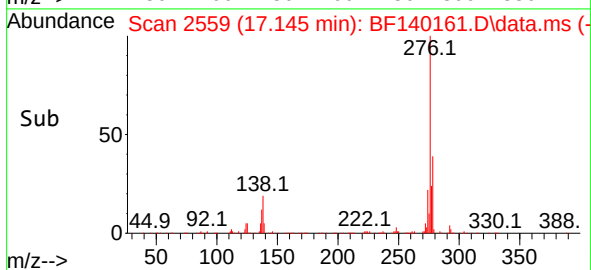
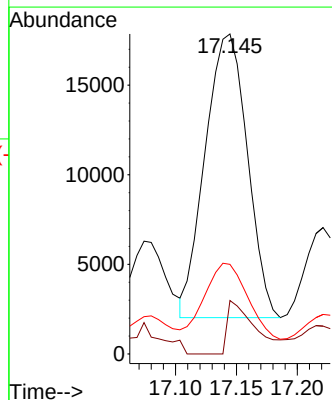
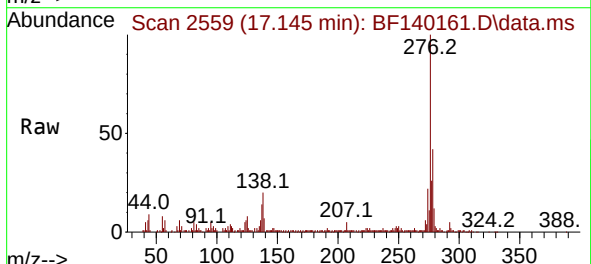
Manual Integrations
APPROVED

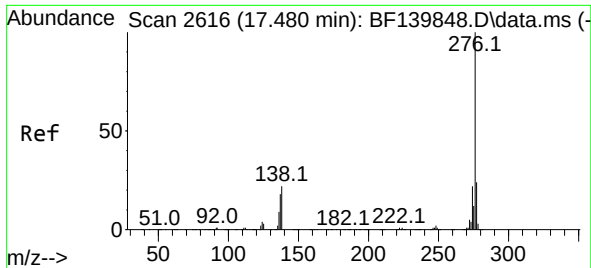
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#91
Dibenzo(a,h)anthracene
Concen: 3.609 ng
RT: 17.145 min Scan# 2559
Delta R.T. 0.100 min
Lab File: BF140161.D
Acq: 30 Oct 2024 16:53

Tgt Ion:278 Resp: 38121
Ion Ratio Lower Upper
278 100
139 16.7 13.1 19.7
279 28.0 19.0 28.4





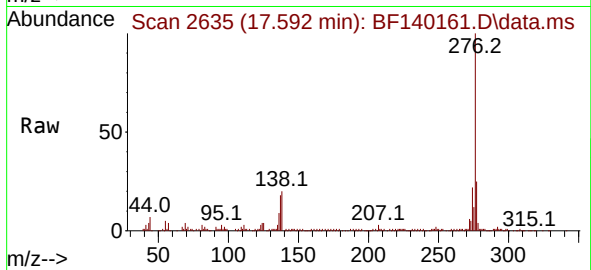
#92
 Benzo(g,h,i)perylene
 Concen: 13.545 ng
 RT: 17.592 min Scan# 20
 Delta R.T. 0.112 min
 Lab File: BF140161.D
 Acq: 30 Oct 2024 16:53

Instrument :

BNA_F

ClientSampleId :

HR-04-102924



Tgt Ion:276 Resp: 142890
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.0 28.6
 138 20.4 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024

