

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
 Data File : BF139161.D
 Acq On : 26 Aug 2024 10:51
 Operator : RC/JU
 Sample : P3671-01DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-904-J-SO-0-0.5-081924DL

Quant Time: Aug 26 11:16:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 21 01:25:05 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
 Supervised By :mohammad ahmed 08/28/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	92486	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	347656	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	198607	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	323380	20.000	ng	0.00
76) Chrysene-d12	14.057	240	172392	20.000	ng	0.00
86) Perylene-d12	15.539	264	177359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	88103	14.656	ng	0.00
7) Phenol-d6	6.510	99	120677	15.536	ng	-0.01
23) Nitrobenzene-d5	7.451	82	76854	12.881	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	24692	13.733	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	112862	9.016	ng	0.00
79) Terphenyl-d14	13.004	244	84461	8.129	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	35244	3.369	ng	96
55) Dibenzofuran	10.133	168	33138	2.181	ng	97
58) Fluorene	10.480	166	48410	3.987	ng	97
71) Phenanthrene	11.445	178	573880	34.914	ng	99
72) Anthracene	11.492	178	150468	9.361	ng	99
73) Carbazole	11.645	167	58690	3.910	ng	99
75) Fluoranthene	12.633	202	578748	32.989	ng	99
78) Pyrene	12.863	202	451379	31.375	ng	99
81) Benzo(a)anthracene	14.045	228	179666	15.854	ng	98
83) Chrysene	14.080	228	162868	15.856	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	67511	6.504	ng	97
88) Benzo(b)fluoranthene	15.104	252	186295m	16.112	ng	
89) Benzo(k)fluoranthene	15.121	252	58703m	6.096	ng	
90) Benzo(a)pyrene	15.474	252	128903	14.109	ng	98
92) Benzo(g,h,i)perylene	17.462	276	62516	8.842	ng	99

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

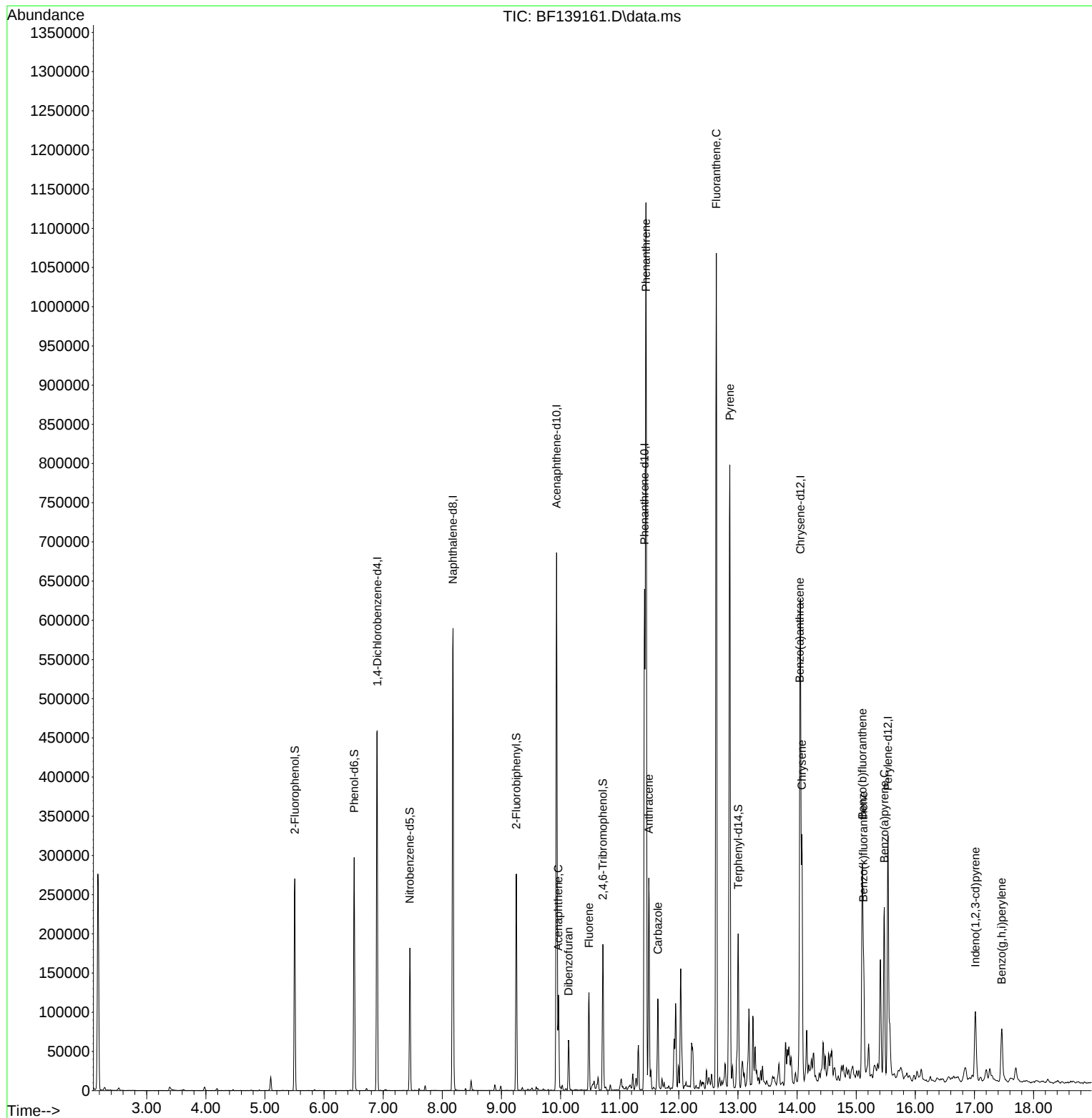
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082624\
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ALS Vial : 4 Sample Multiplier: 1

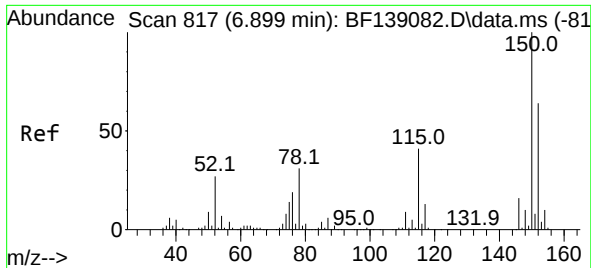
Instrument :
BNA_F
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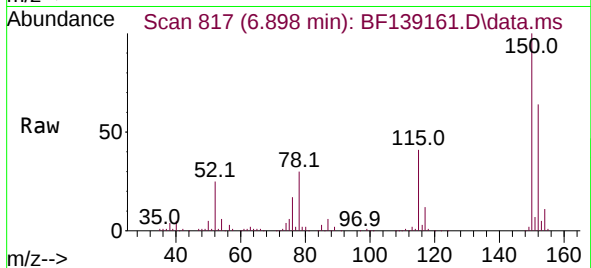
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

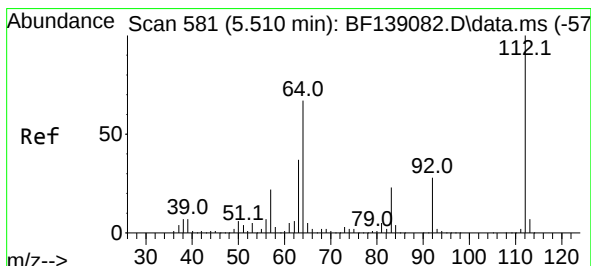
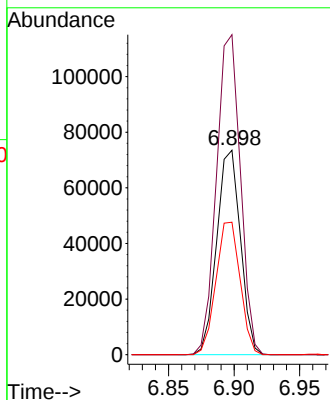
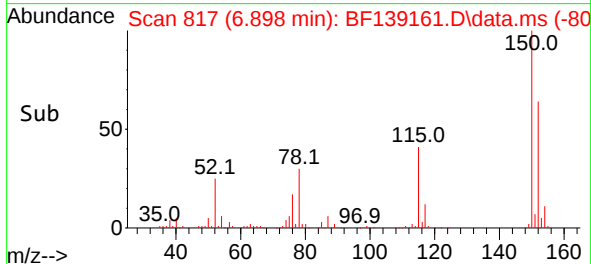
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



Tgt Ion:152 Resp: 92480
Ion Ratio Lower Upper
152 100
150 156.5 125.1 187.7
115 64.8 51.8 77.6

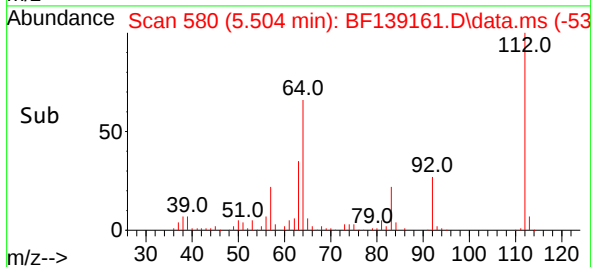
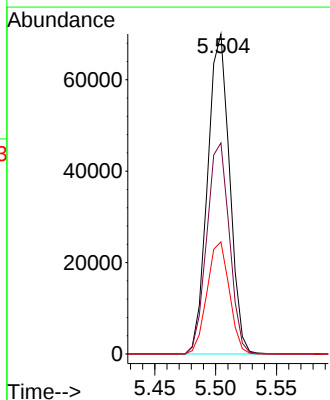
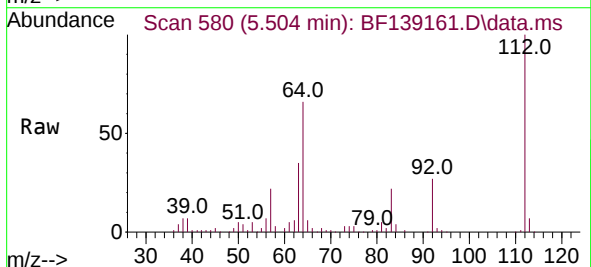
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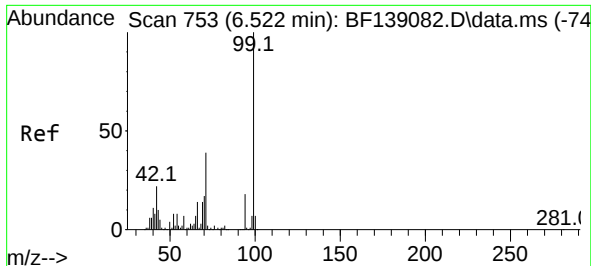
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#5
2-Fluorophenol
Concen: 14.656 ng
RT: 5.504 min Scan# 580
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

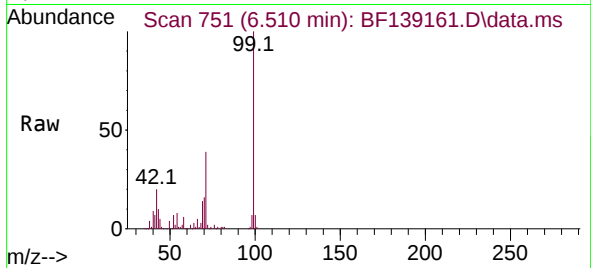
Tgt Ion:112 Resp: 88103
Ion Ratio Lower Upper
112 100
64 66.0 53.8 80.6
63 35.0 29.4 44.2





#7
Phenol-d6
Concen: 15.536 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

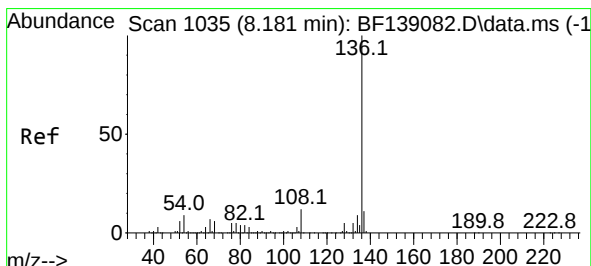
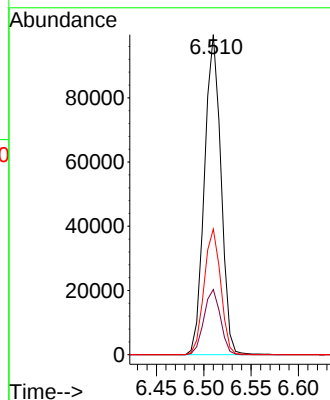
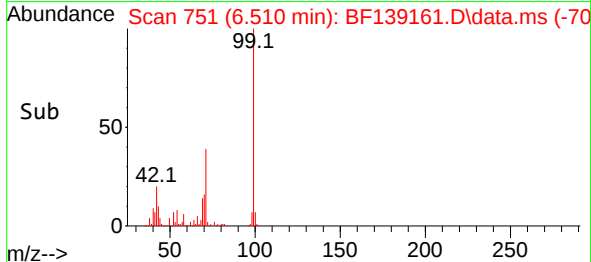
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



Tgt Ion: 99 Resp: 12067
Ion Ratio Lower Upper
99 100
42 20.3 17.4 26.2
71 39.3 31.2 46.8

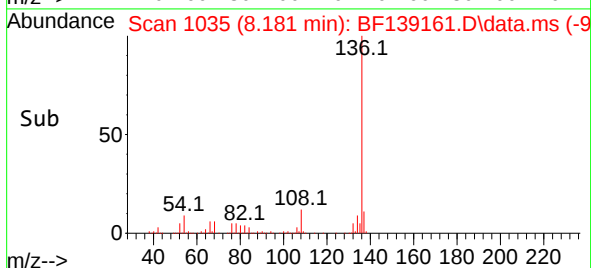
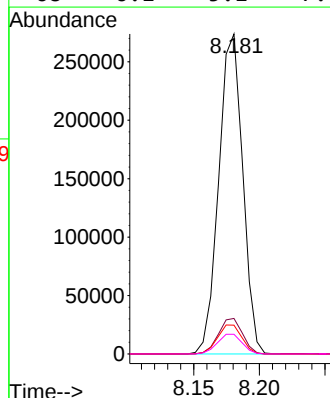
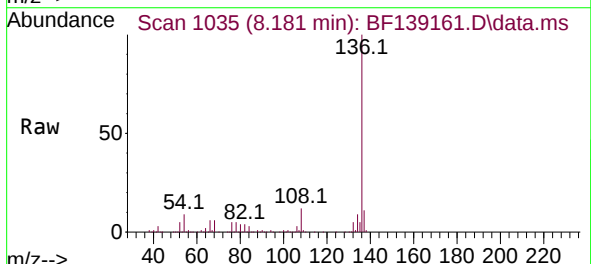
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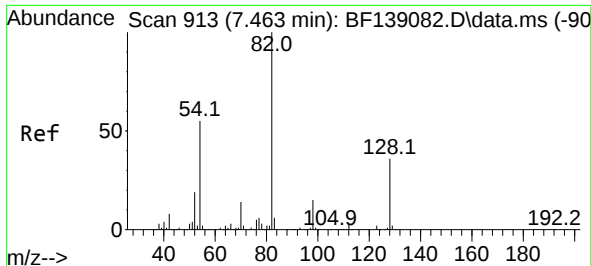
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:136 Resp: 347656
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.0 7.6 11.4
68 6.1 5.1 7.7





#23

Nitrobenzene-d5

Concen: 12.881 ng

RT: 7.451 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF139161.D

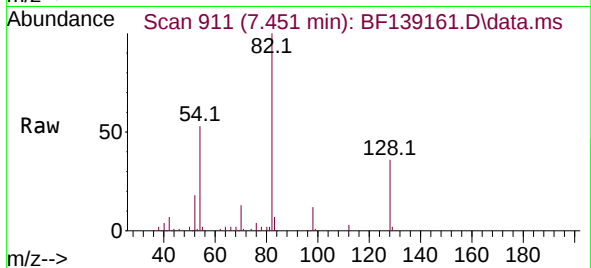
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



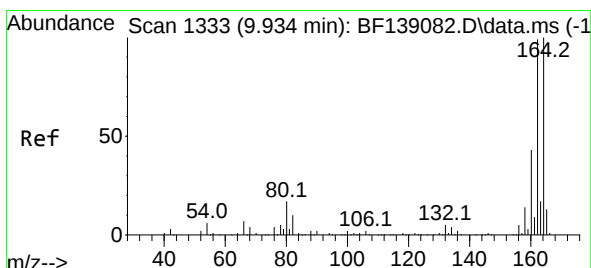
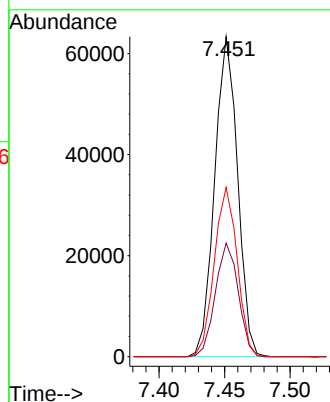
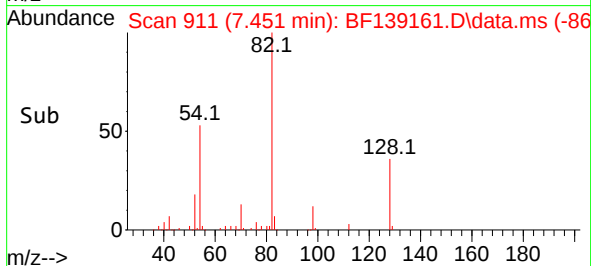
Tgt Ion: 82 Resp: 76854

Ion	Ratio	Lower	Upper
82	100		
128	35.5	29.0	43.4
54	52.9	43.4	65.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1333

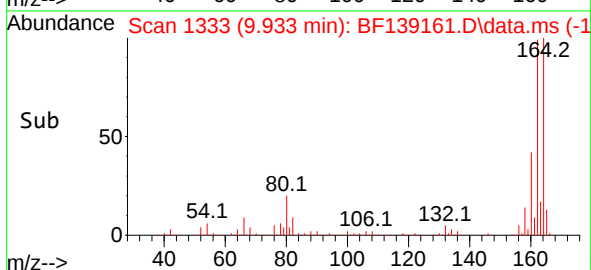
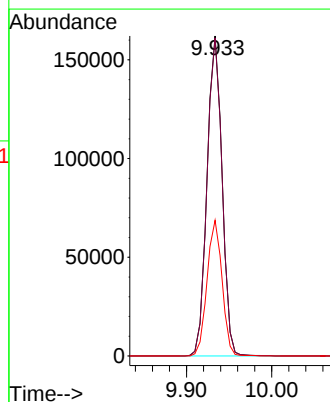
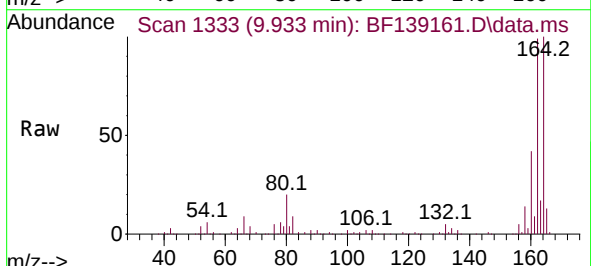
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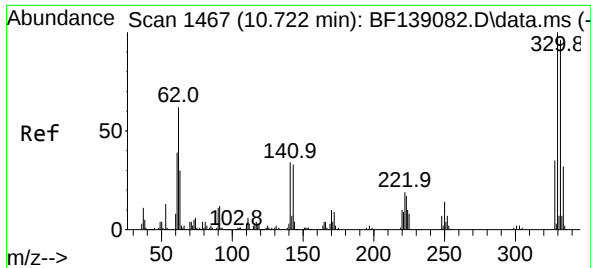
Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Tgt Ion:164 Resp: 198607

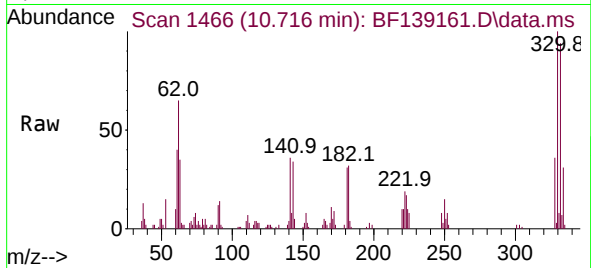
Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.3
160	42.4	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 13.733 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

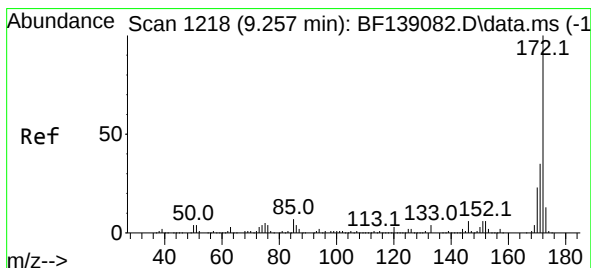
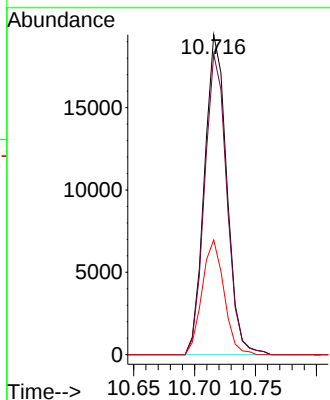
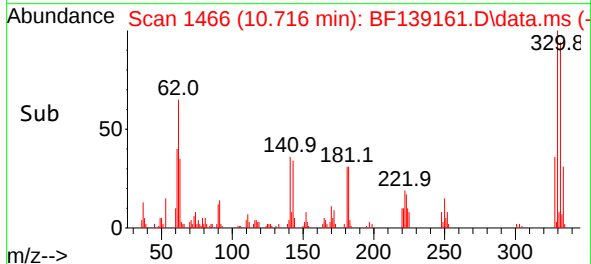
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



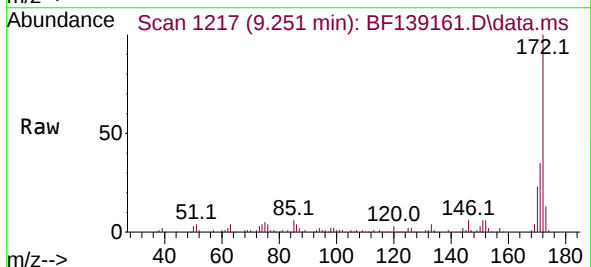
Tgt Ion: 330 Resp: 24692
Ion Ratio Lower Upper
330 100
332 93.8 77.0 115.6
141 35.2 27.5 41.3

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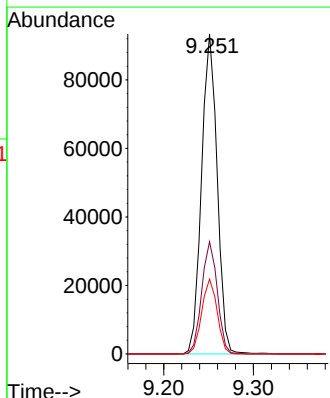
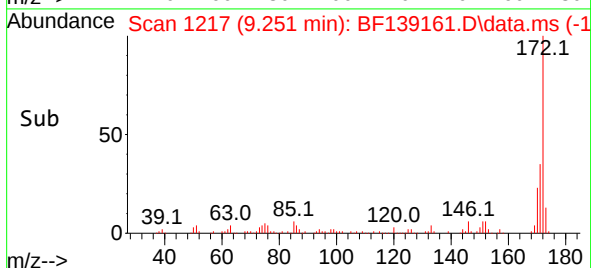
Reviewed By : Jagrut Upadhyay 08/26/2024
Supervised By : mohammad ahmed 08/28/2024

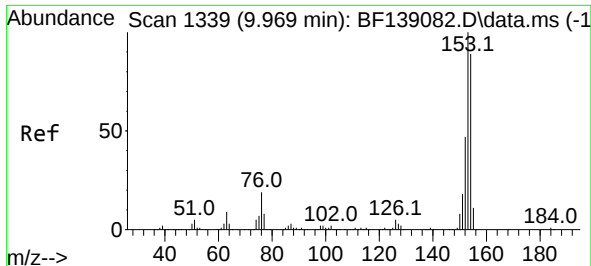


#45
2-Fluorobiphenyl
Concen: 9.016 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51



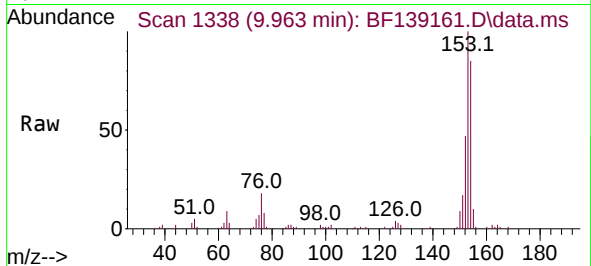
Tgt Ion: 172 Resp: 112862
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.4 18.8 28.2





#52
Acenaphthene
Concen: 3.369 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

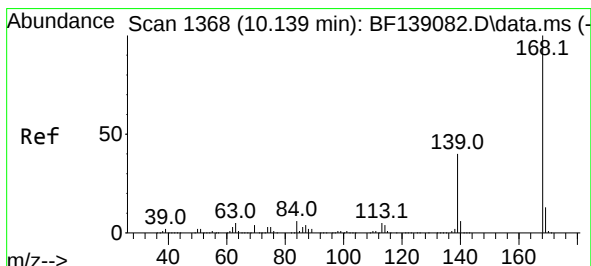
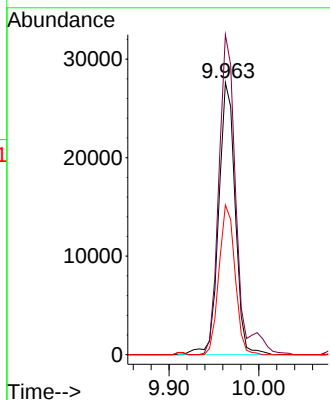
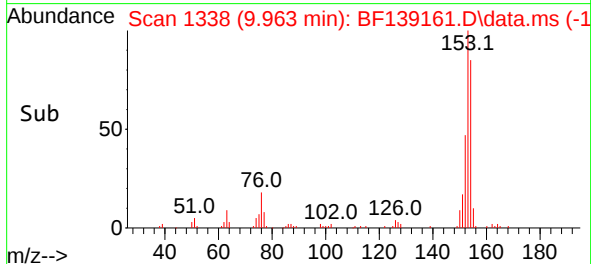
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



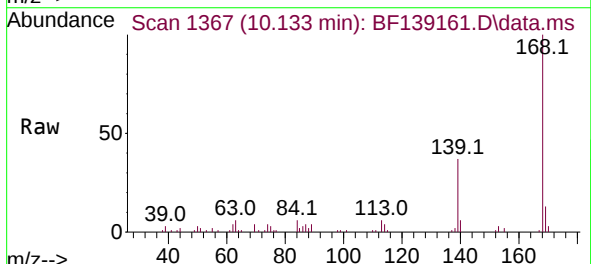
Tgt Ion:154 Resp: 3524
Ion Ratio Lower Upper
154 100
153 117.5 89.7 134.5
152 54.9 42.3 63.5

Manual Integrations
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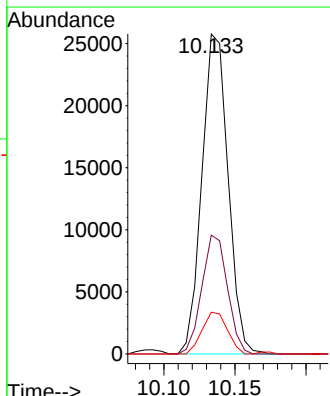
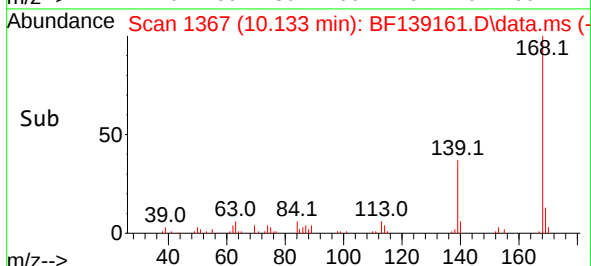
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

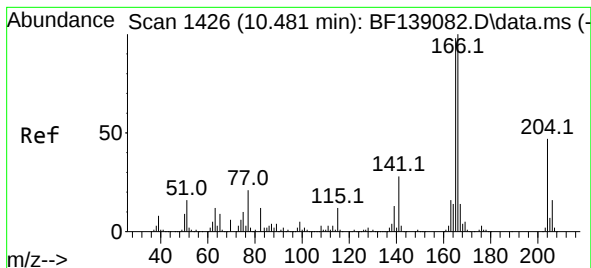


#55
Dibenzofuran
Concen: 2.181 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51



Tgt Ion:168 Resp: 33138
Ion Ratio Lower Upper
168 100
139 37.1 31.6 47.4
169 13.0 10.7 16.1





#58

Fluorene

Concen: 3.987 ng

RT: 10.480 min Scan# 1426

Delta R.T. -0.000 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL

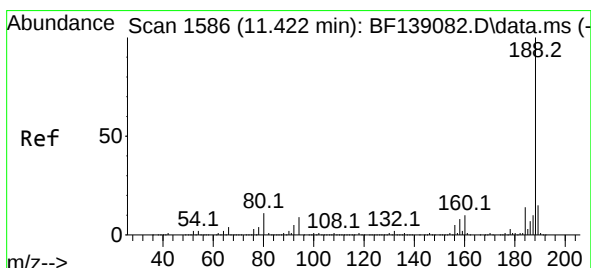
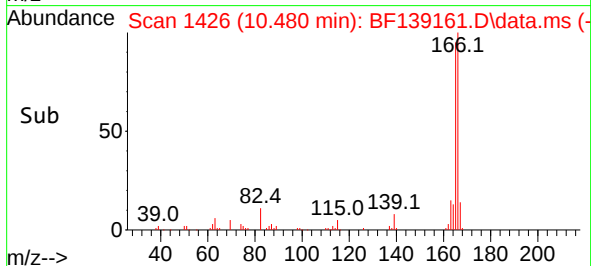
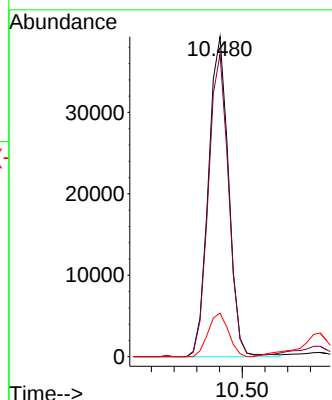
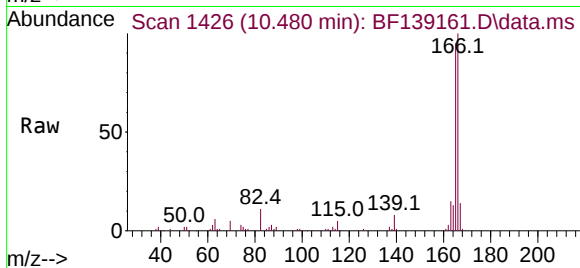
Tgt Ion:166 Resp: 48410

Ion	Ratio	Lower	Upper
166	100		
165	94.5	78.0	117.0
167	13.6	11.0	16.4

Manual Integrations

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Supervised By :mohammad ahmed 08/28/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1586

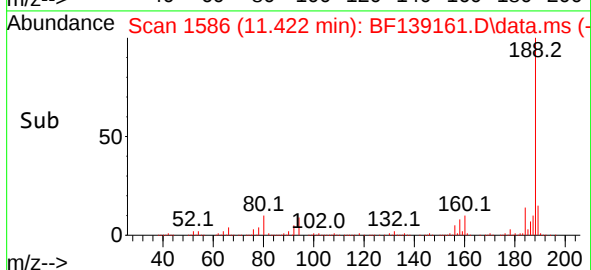
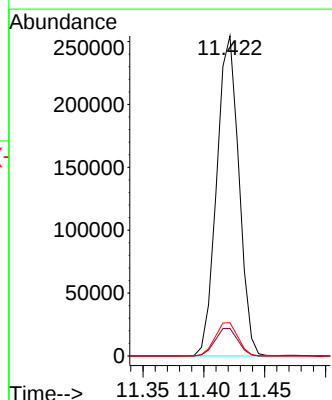
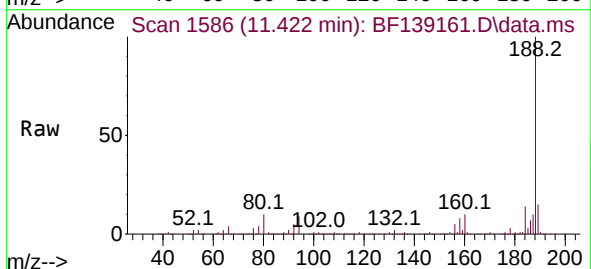
Delta R.T. -0.000 min

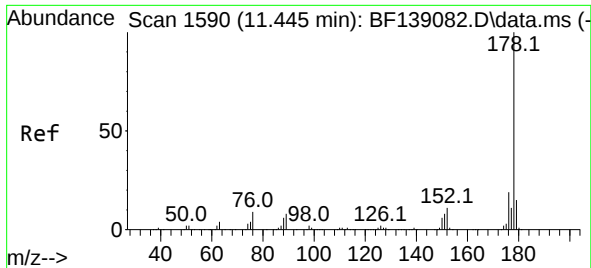
Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Tgt Ion:188 Resp: 323380

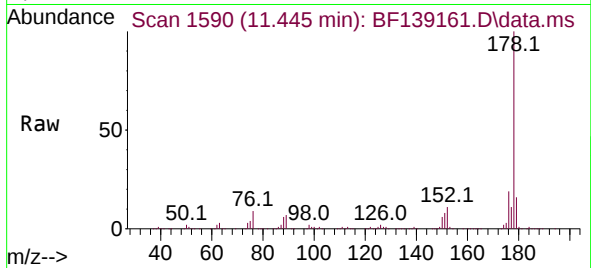
Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.2	10.8
80	10.4	8.5	12.7





#71
Phenanthrene
Concen: 34.914 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

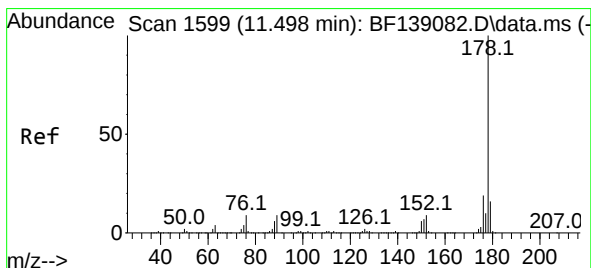
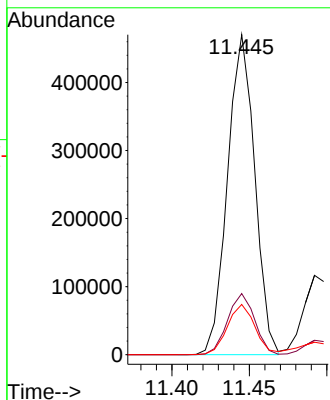
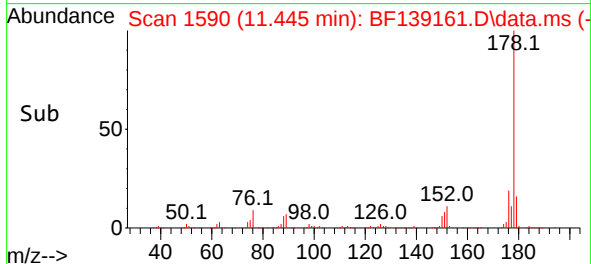
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



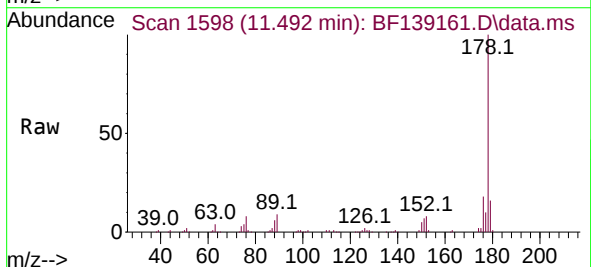
Tgt Ion:178 Resp: 573880
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.3 18.5

Manual Integrations
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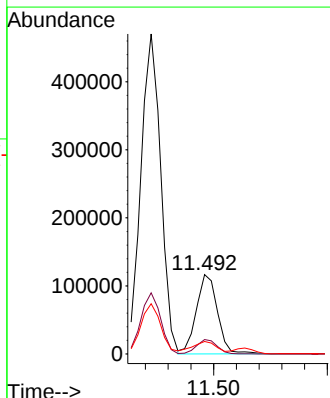
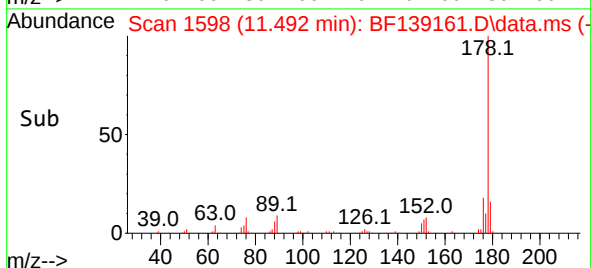
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

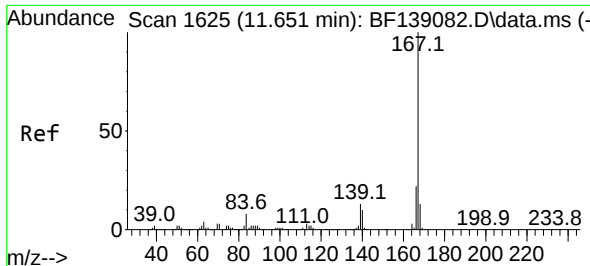


#72
Anthracene
Concen: 9.361 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51



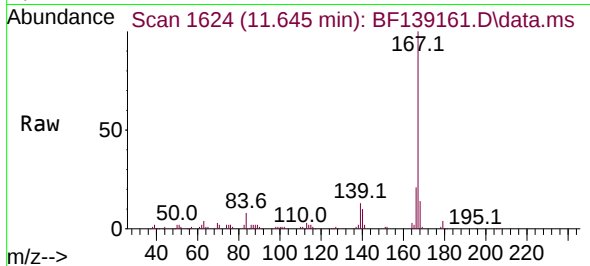
Tgt Ion:178 Resp: 150468
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.4
179 15.7 12.4 18.6





#73
 Carbazole
 Concen: 3.910 ng
 RT: 11.645 min Scan# 1624
 Delta R.T. -0.006 min
 Lab File: BF139161.D
 Acq: 26 Aug 2024 10:51

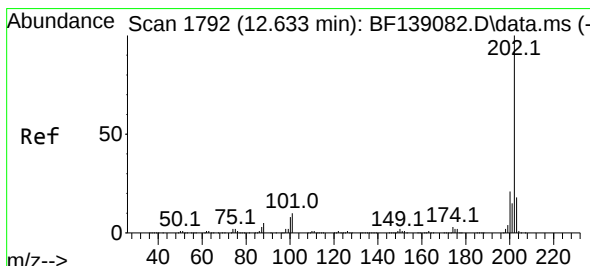
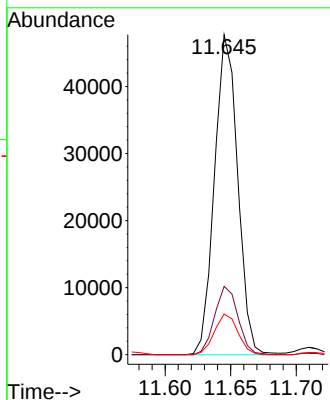
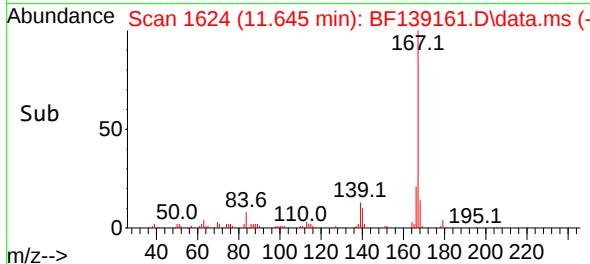
Instrument :
 BNA_F
 ClientSampleId :
 S-904-J-SO-0-0.5-081924DL



Tgt Ion:167 Resp: 58690
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.3 25.9
 139 12.7 10.5 15.7

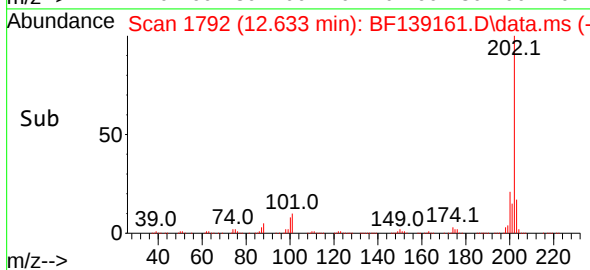
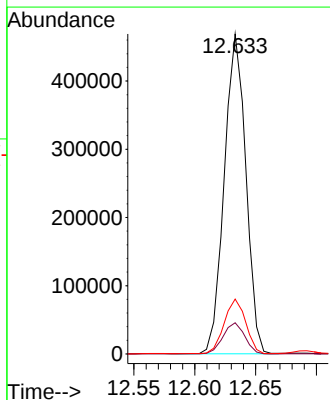
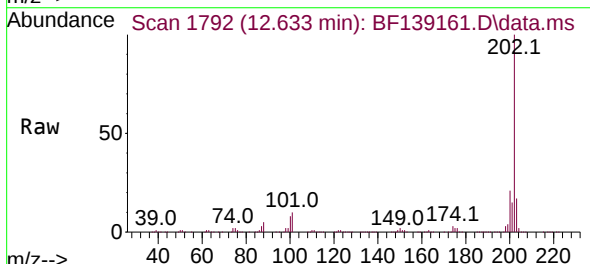
Manual Integrations
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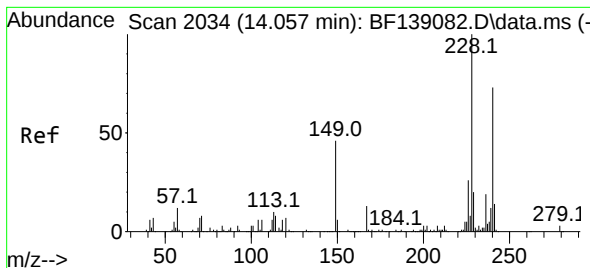
Reviewed By :Jagrut Upadhyay 08/26/2024
 Supervised By :mohammad ahmed 08/28/2024



#75
 Fluoranthene
 Concen: 32.989 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: BF139161.D
 Acq: 26 Aug 2024 10:51

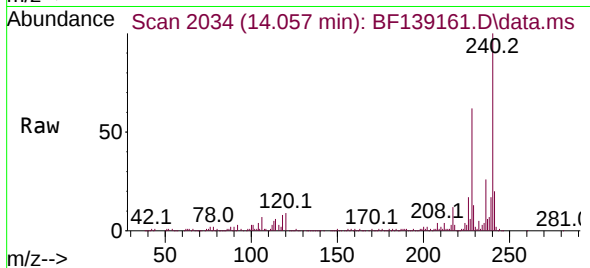
Tgt Ion:202 Resp: 578748
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.2
 203 17.2 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

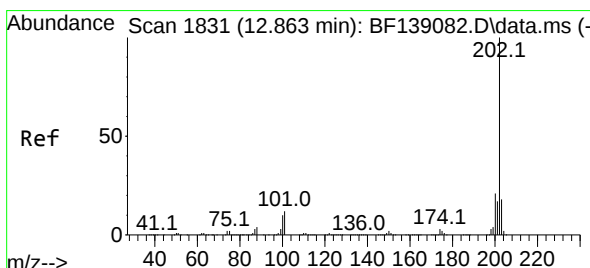
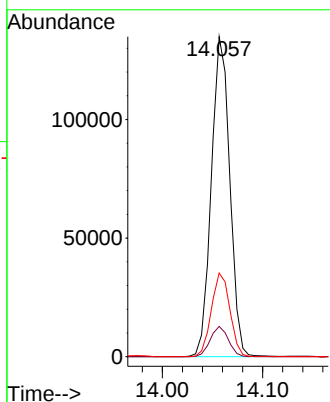
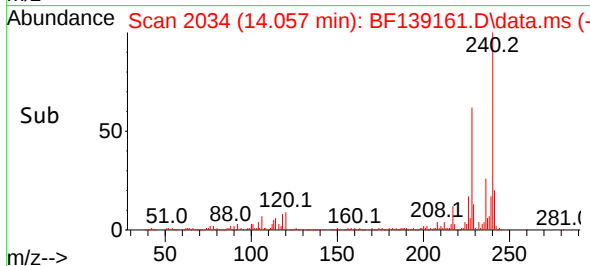
Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



Tgt Ion:240 Resp: 172392
Ion Ratio Lower Upper
240 100
120 9.5 7.8 11.6
236 26.2 20.9 31.3

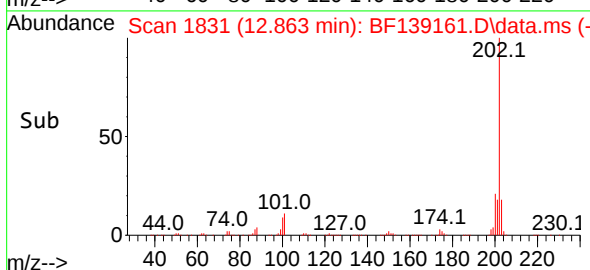
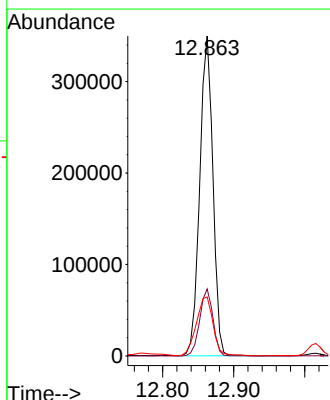
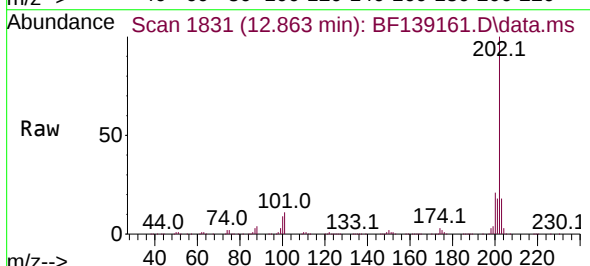
Manual Integrations
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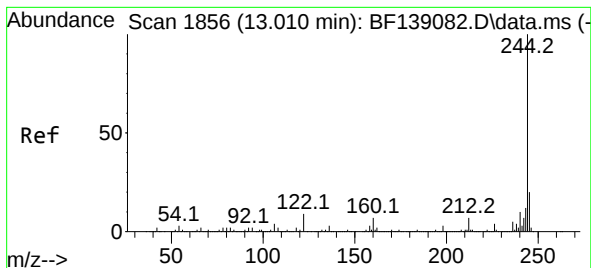
Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#78
Pyrene
Concen: 31.375 ng
RT: 12.863 min Scan# 1831
Delta R.T. -0.000 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Tgt Ion:202 Resp: 451379
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.5 14.1 21.1





#79

Terphenyl-d14

Concen: 8.129 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139161.D

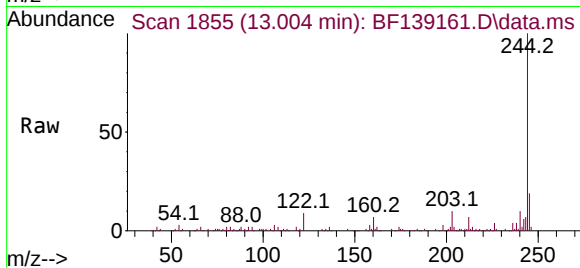
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



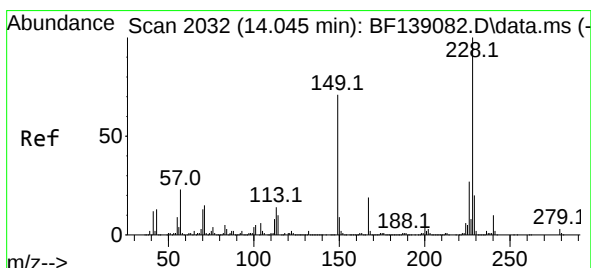
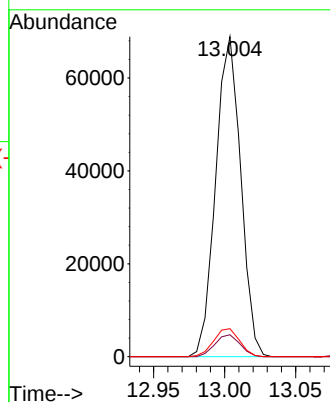
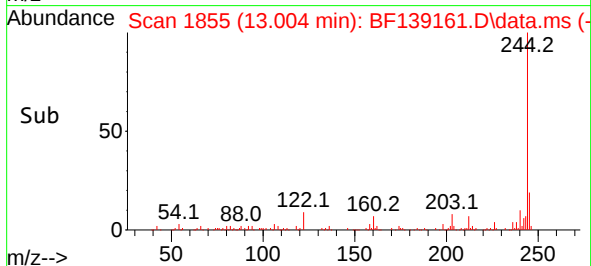
Tgt Ion:244 Resp: 8446

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	8.8	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#81

Benzo(a)anthracene

Concen: 15.854 ng

RT: 14.045 min Scan# 2032

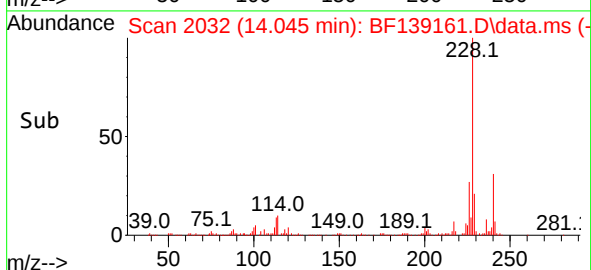
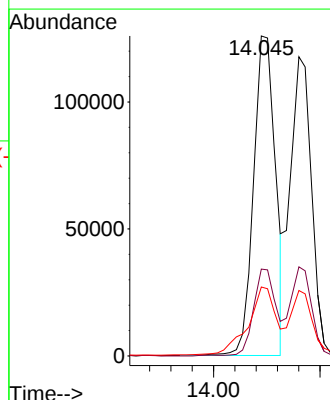
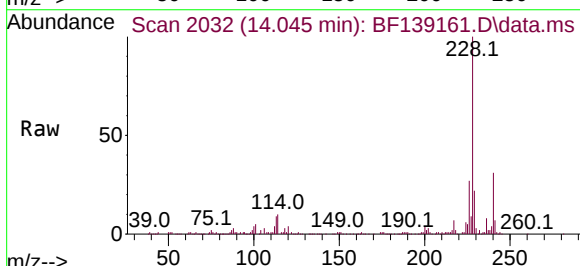
Delta R.T. -0.000 min

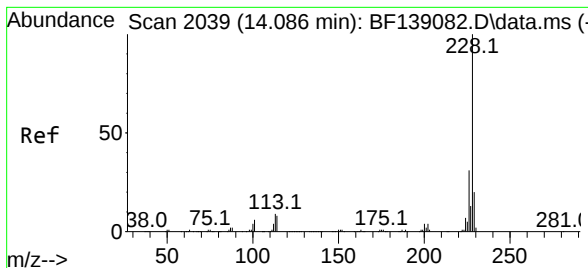
Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Tgt Ion:228 Resp: 179666

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	21.5	16.1	24.1





#83

Chrysene

Concen: 15.856 ng

RT: 14.080 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF139161.D

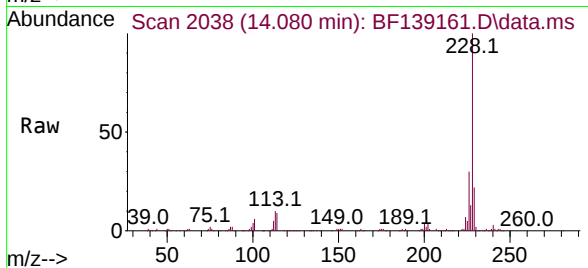
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



Tgt Ion:228 Resp: 16286

Ion Ratio Lower Upper

228 100

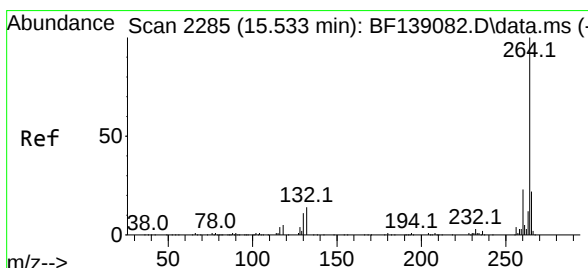
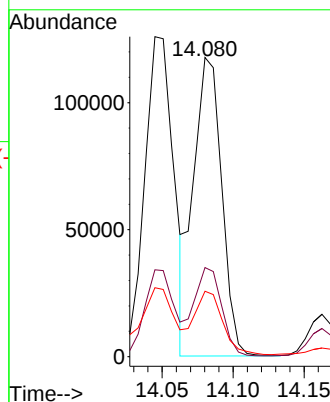
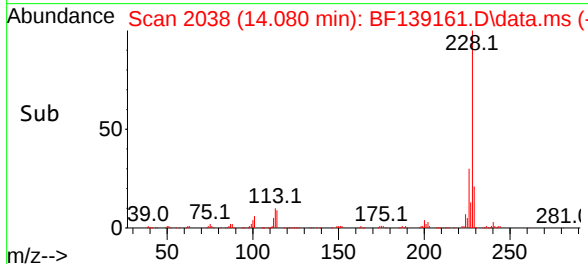
226 29.8 24.3 36.5

229 21.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.006 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

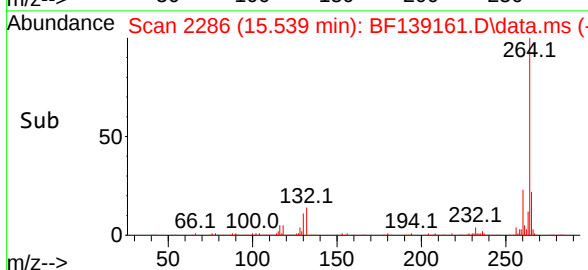
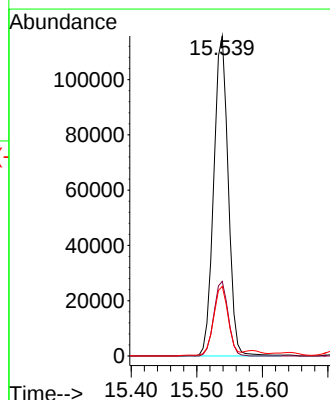
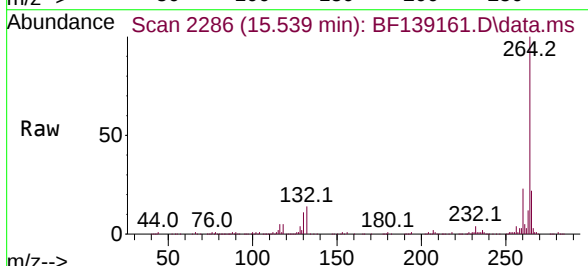
Tgt Ion:264 Resp: 177359

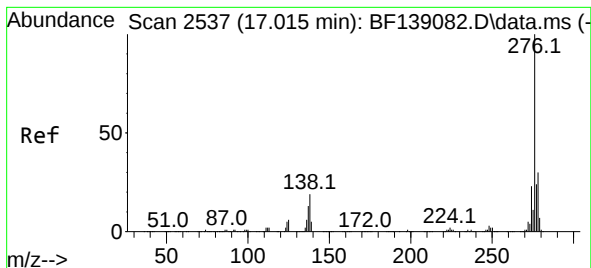
Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.504 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139161.D

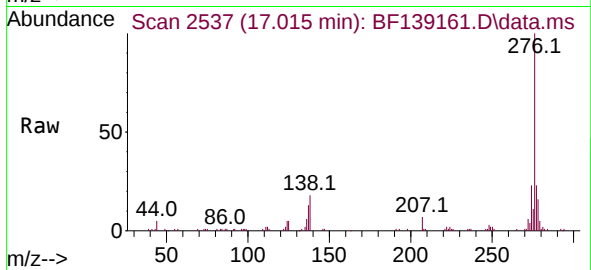
Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

S-904-J-SO-0-0.5-081924DL



Tgt Ion:276 Resp: 6751

Ion Ratio Lower Upper

276 100

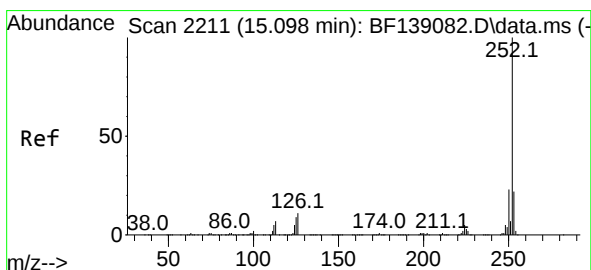
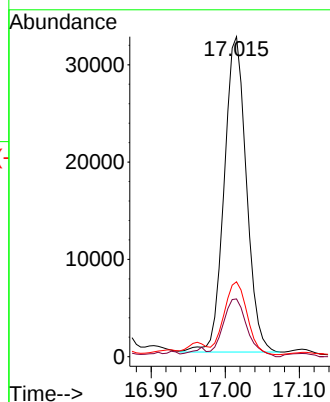
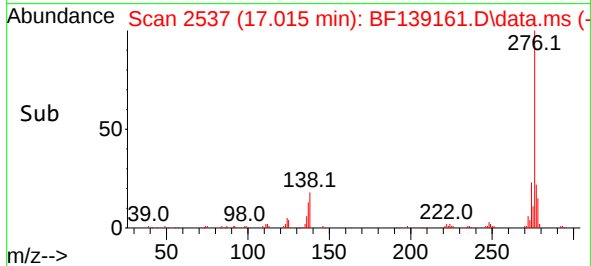
138 19.9 17.3 25.9

277 24.0 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#88

Benzo(b)fluoranthene

Concen: 16.112 ng m

RT: 15.104 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

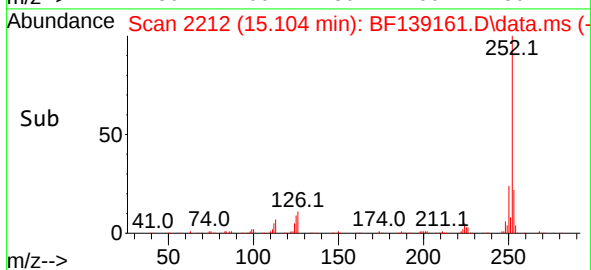
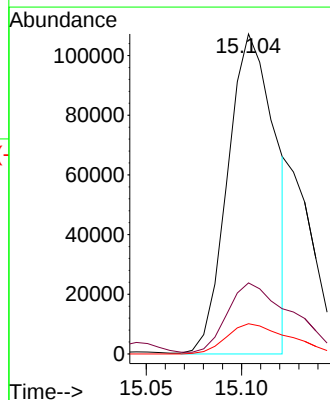
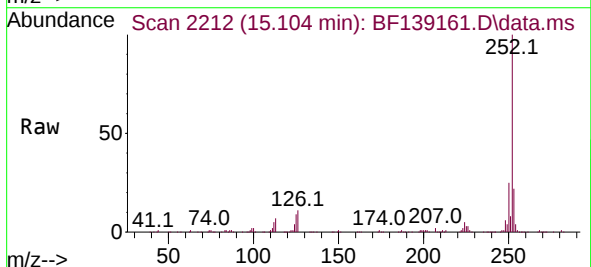
Tgt Ion:252 Resp: 186295

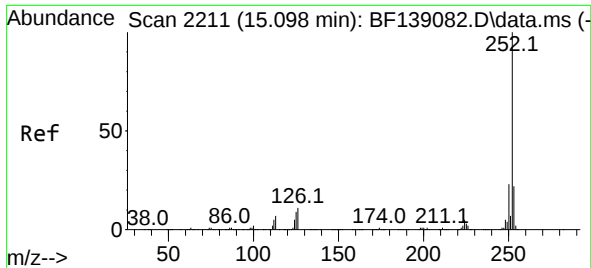
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 9.5 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 6.096 ng m

RT: 15.121 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

Instrument :

BNA_F

ClientSampleId :

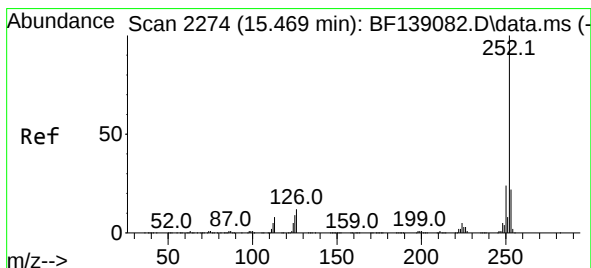
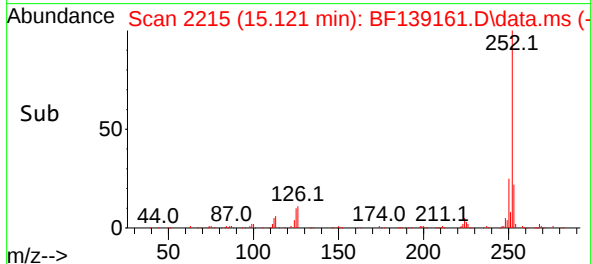
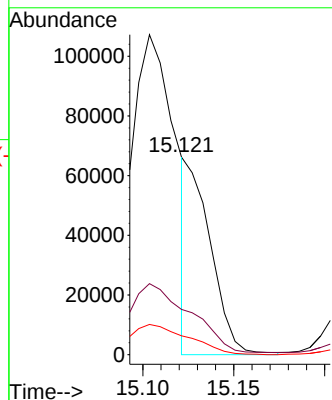
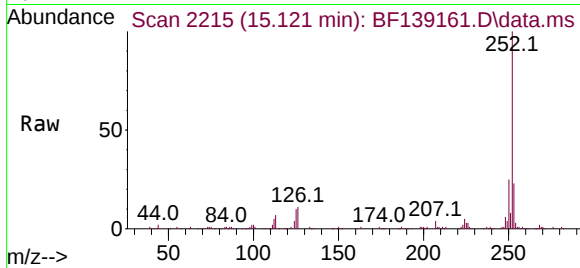
S-904-J-SO-0-0.5-081924DL

Tgt Ion:	252	Resp:	5870
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	9.6	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024



#90

Benzo(a)pyrene

Concen: 14.109 ng

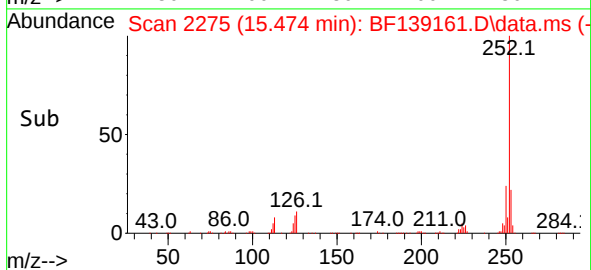
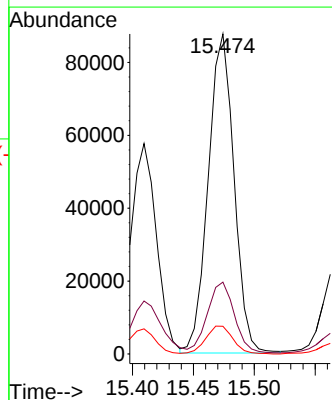
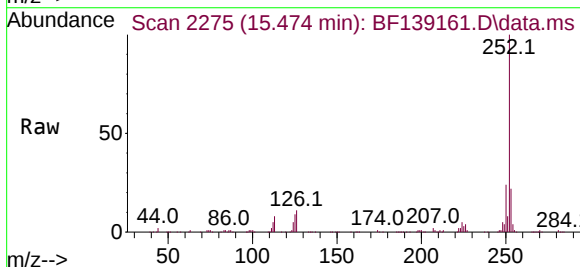
RT: 15.474 min Scan# 2275

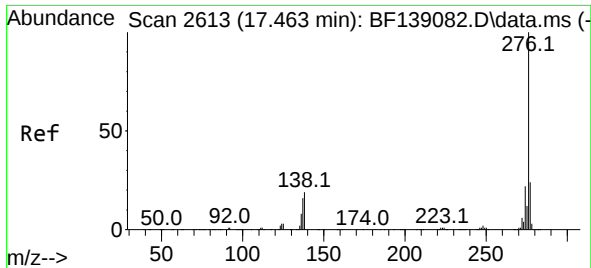
Delta R.T. 0.006 min

Lab File: BF139161.D

Acq: 26 Aug 2024 10:51

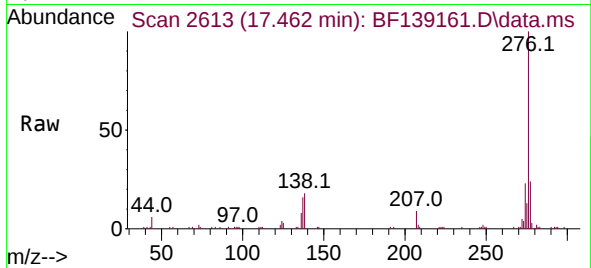
Tgt Ion:	252	Resp:	128903
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	8.7	7.4	11.2





#92
Benzo(g,h,i)perylene
Concen: 8.842 ng
RT: 17.462 min Scan# 20
Delta R.T. -0.001 min
Lab File: BF139161.D
Acq: 26 Aug 2024 10:51

Instrument :
BNA_F
ClientSampleId :
S-904-J-SO-0-0.5-081924DL



Tgt Ion:276 Resp: 62510
Ion Ratio Lower Upper
276 100
277 24.1 18.8 28.2
138 18.2 15.0 22.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/26/2024
Supervised By :mohammad ahmed 08/28/2024

