

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
 Data File : BF139109.D
 Acq On : 21 Aug 2024 18:50
 Operator : RC/JU
 Sample : P3663-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024

Quant Time: Aug 22 00:57:08 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	82618	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	293248	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	136485	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	187497	20.000	ng	0.00
76) Chrysene-d12	14.063	240	147499	20.000	ng	0.00
86) Perylene-d12	15.539	264	115799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	601463	112.005	ng	0.00
7) Phenol-d6	6.516	99	768023	110.687	ng	0.00
23) Nitrobenzene-d5	7.457	82	479820	95.343	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	122934	99.495	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	690410	80.259	ng	0.00
79) Terphenyl-d14	13.004	244	514756	57.908	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	25132	3.496	ng	97
55) Dibenzofuran	10.133	168	24908	2.386	ng	96
58) Fluorene	10.475	166	68002	8.150	ng	100
71) Phenanthrene	11.445	178	1347171	141.360	ng	99
72) Anthracene	11.492	178	248158	26.626	ng	99
73) Carbazole	11.645	167	109364	12.566	ng	99
75) Fluoranthene	12.645	202	2702397	265.676	ng	99
78) Pyrene	12.874	202	2237119	181.746	ng	98
81) Benzo(a)anthracene	14.051	228	1200269	123.791	ng	98
83) Chrysene	14.092	228	960747	109.319	ng	98
84) Bis(2-ethylhexyl)phtha...	14.045	149	13888	2.460	ng	91
87) Indeno(1,2,3-cd)pyrene	17.021	276	363081	53.574	ng	94
88) Benzo(b)fluoranthene	15.115	252	955009m	126.502	ng	
89) Benzo(k)fluoranthene	15.127	252	368488m	58.605	ng	
90) Benzo(a)pyrene	15.480	252	666286	111.695	ng	99
91) Dibenzo(a,h)anthracene	17.033	278	74927m	13.468	ng	
92) Benzo(g,h,i)perylene	17.474	276	325169	50.975	ng	98

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

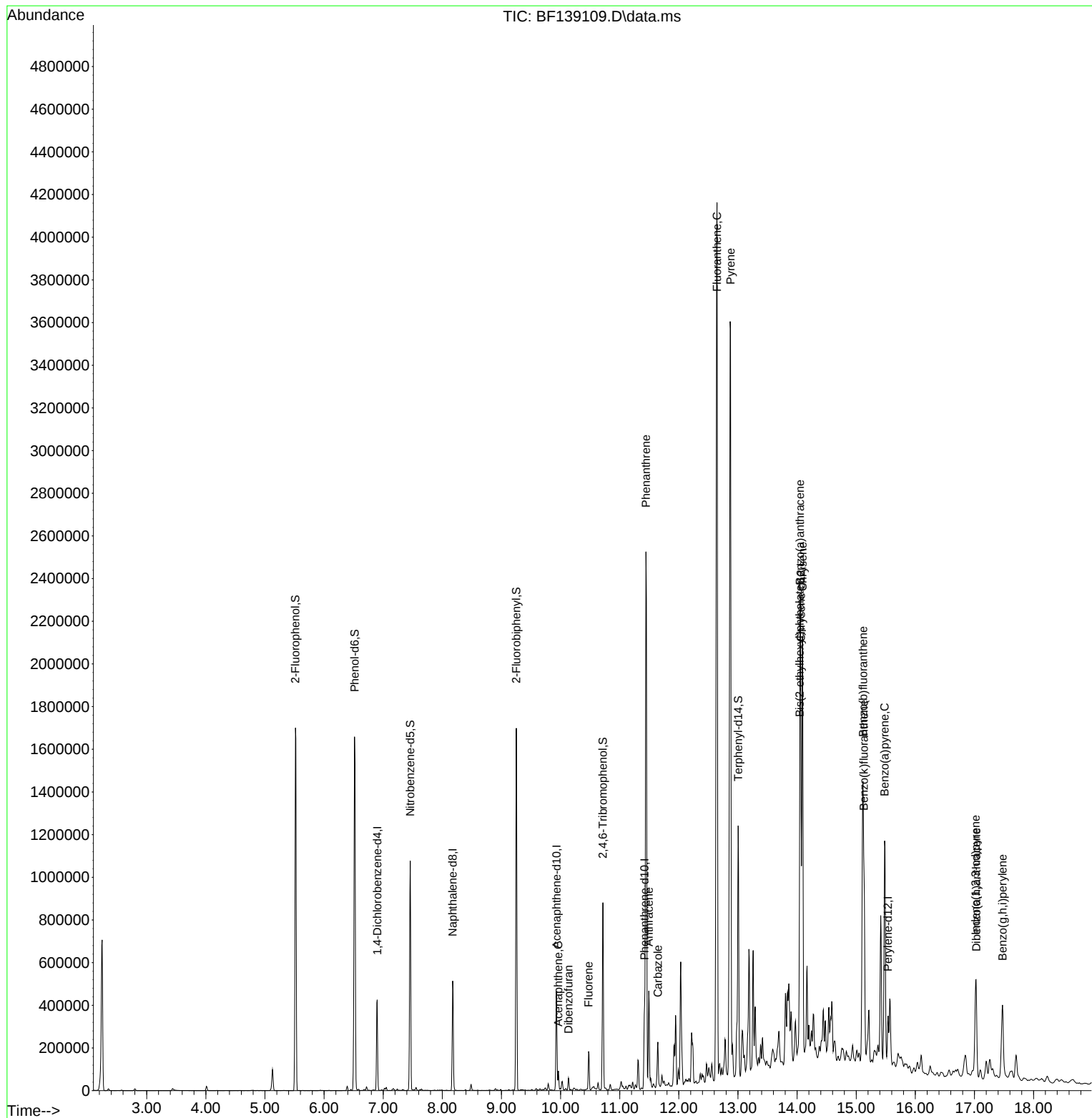
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082124\
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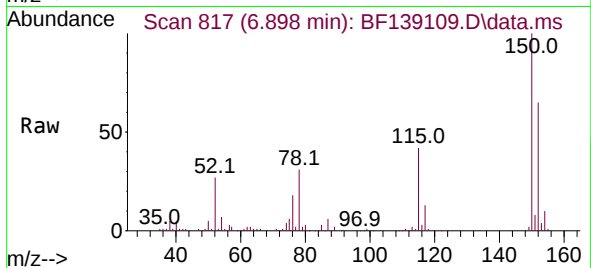
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

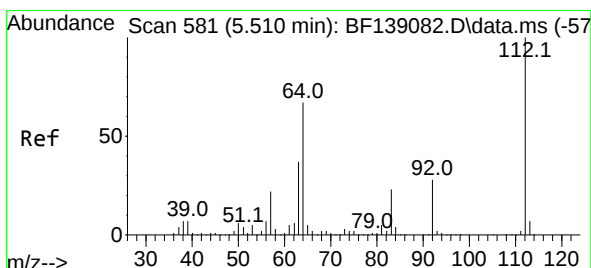
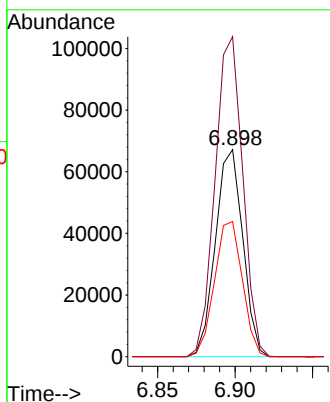
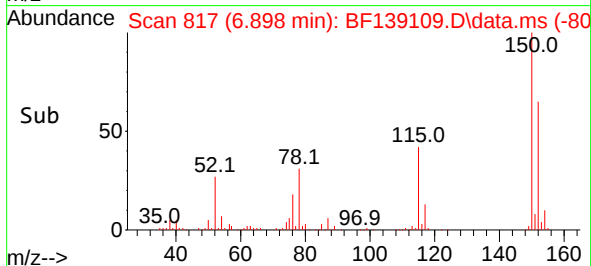
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



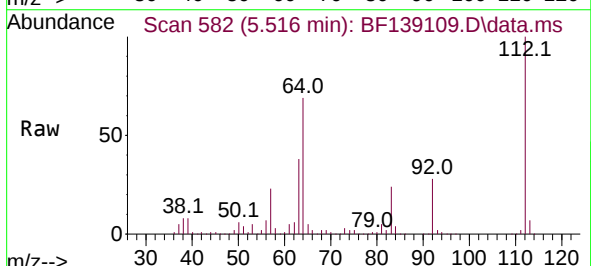
Tgt Ion:152 Resp: 82618
Ion Ratio Lower Upper
152 100
150 154.5 125.1 187.7
115 65.3 51.8 77.6

Manual Integrations
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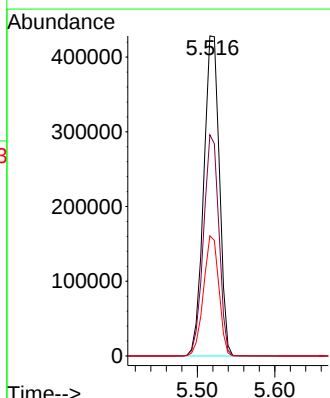
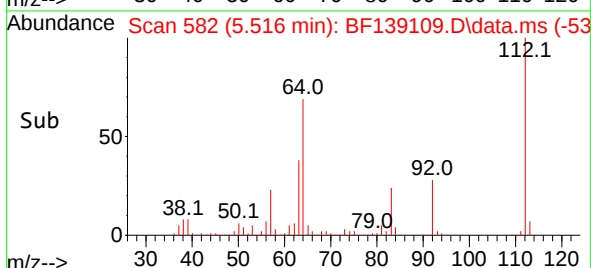
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#5
2-Fluorophenol
Concen: 112.005 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50



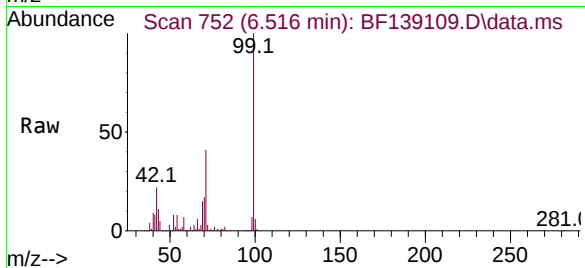
Tgt Ion:112 Resp: 601463
Ion Ratio Lower Upper
112 100
64 69.1 53.8 80.6
63 37.5 29.4 44.2





#7
Phenol-d6
Concen: 110.687 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

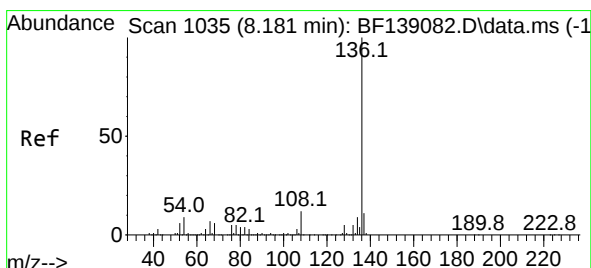
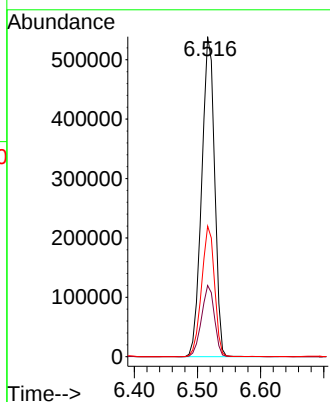
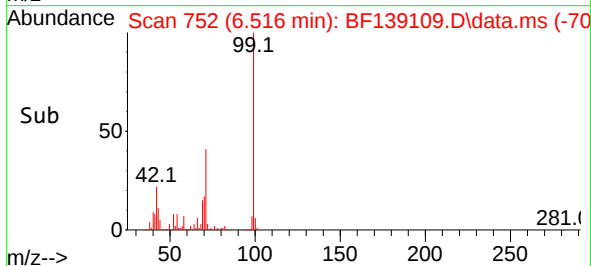
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



Tgt Ion: 99 Resp: 76802
Ion Ratio Lower Upper
99 100
42 22.2 17.4 26.2
71 40.8 31.2 46.8

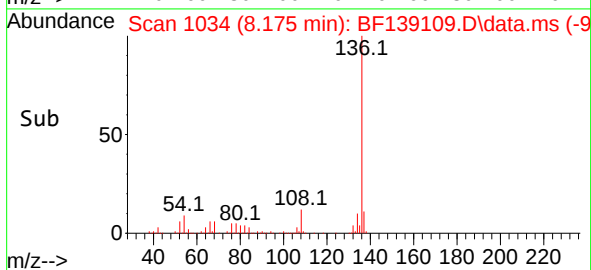
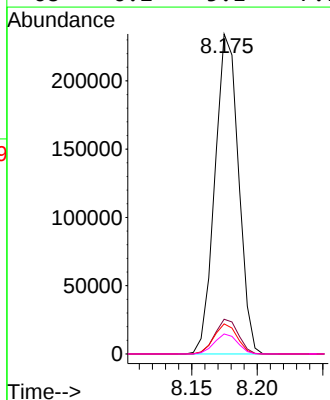
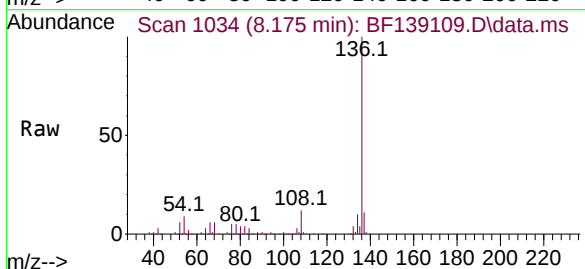
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Supervised By :mohammad ahmed 08/23/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

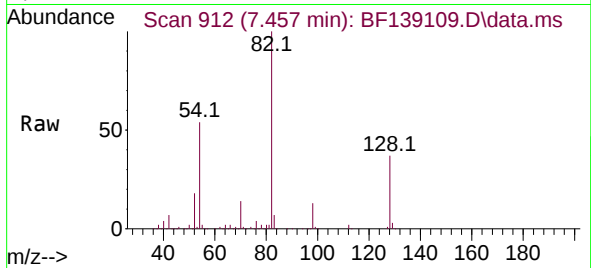
Tgt Ion:136 Resp: 293248
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.4 7.6 11.4
68 6.2 5.1 7.7





#23
Nitrobenzene-d5
Concen: 95.343 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

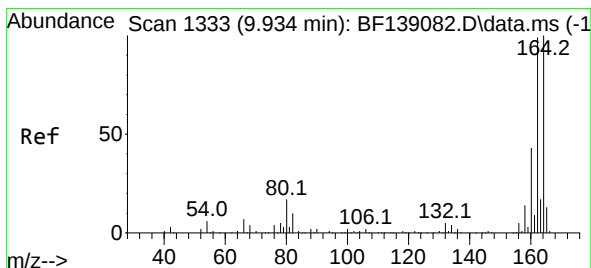
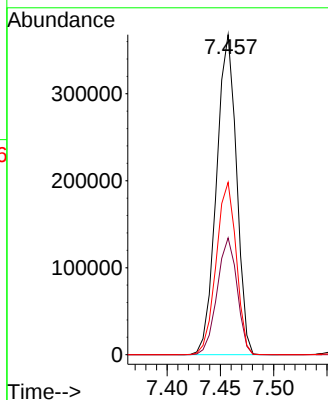
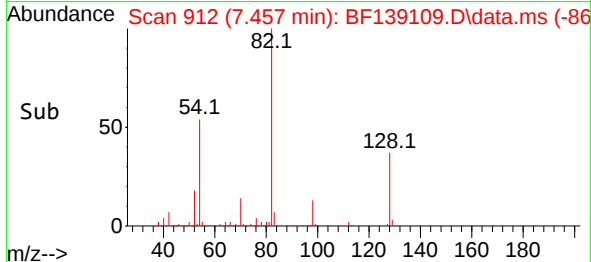
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



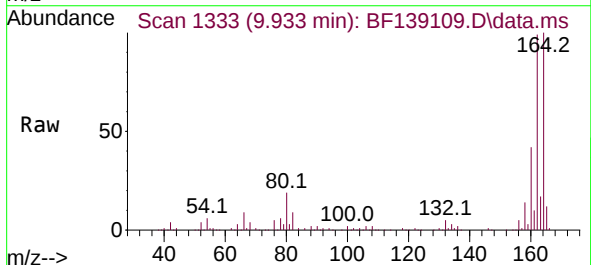
Tgt Ion: 82 Resp: 479820
Ion Ratio Lower Upper
82 100
128 36.5 29.0 43.4
54 53.9 43.4 65.2

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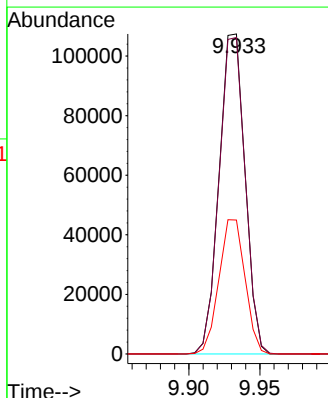
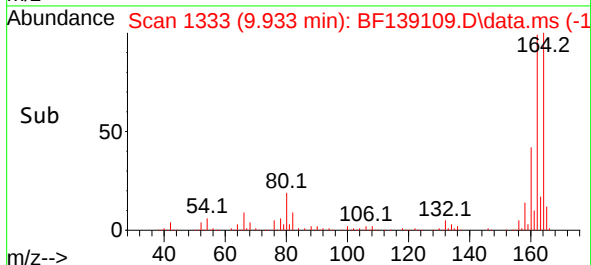
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

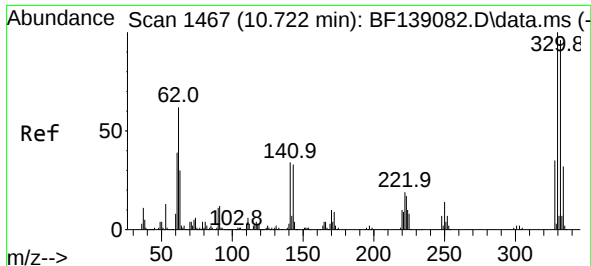


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.001 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50



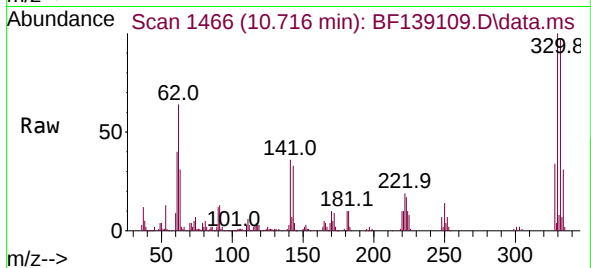
Tgt Ion:164 Resp: 136485
Ion Ratio Lower Upper
164 100
162 98.9 79.5 119.3
160 41.9 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 99.495 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

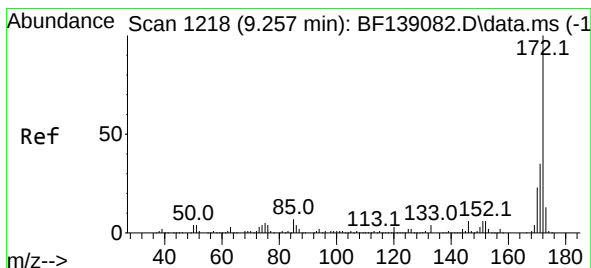
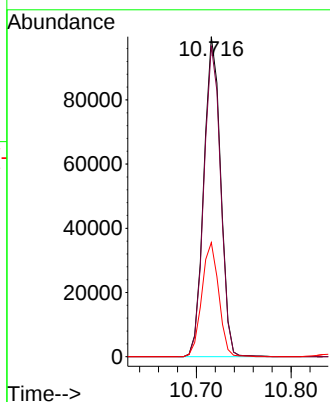
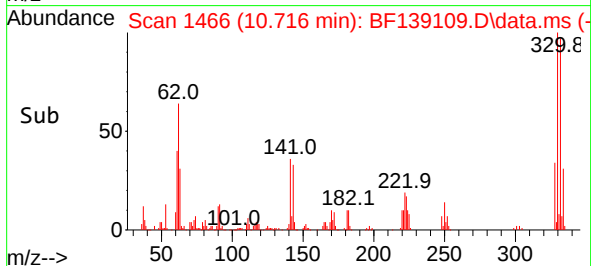
Instrument :
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ClientSampleId :
915-J-SD-0.5-1-081624



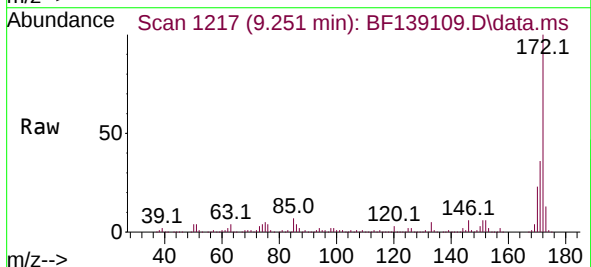
Tgt Ion: 330 Resp: 122934
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 35.8 27.5 41.3

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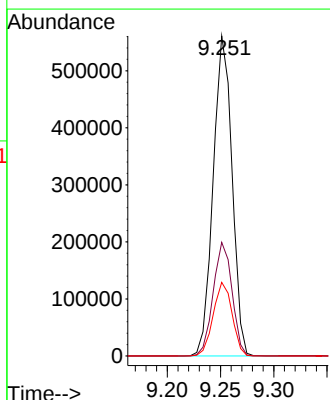
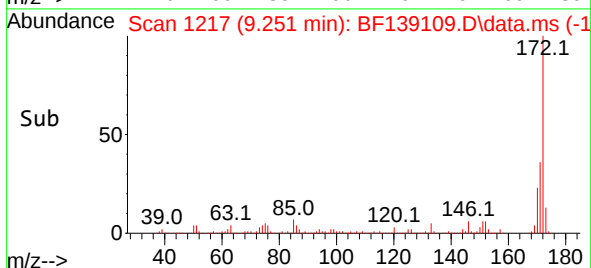
Reviewed By : Jagrut Upadhyay 08/22/2024
Supervised By : mohammad ahmed 08/23/2024

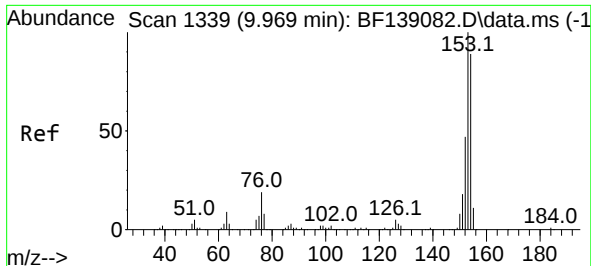


#45
2-Fluorobiphenyl
Concen: 80.259 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50



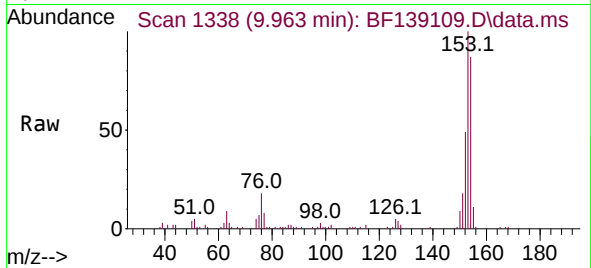
Tgt Ion: 172 Resp: 690410
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.0 18.8 28.2





#52
Acenaphthene
Concen: 3.496 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

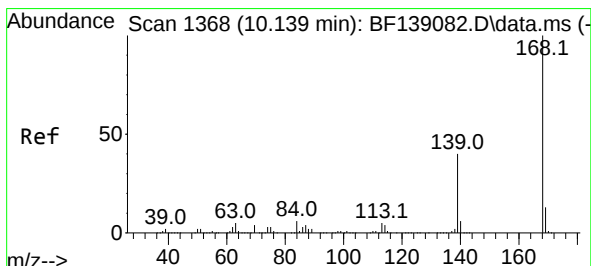
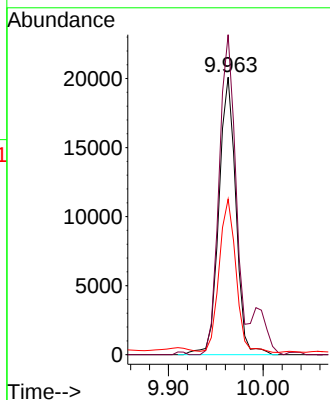
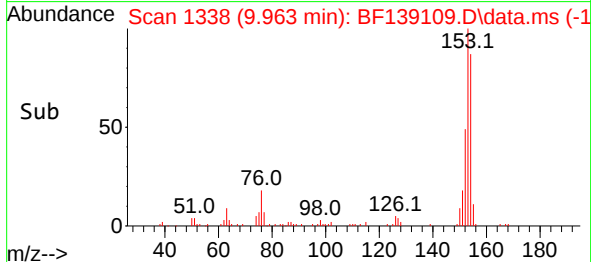
Instrument : BNA_F
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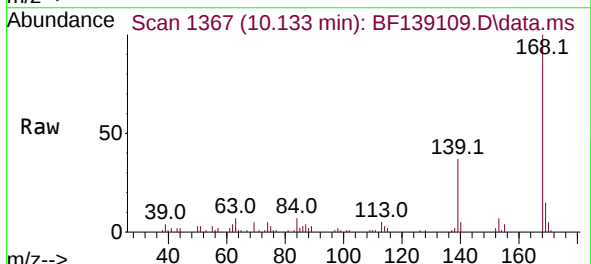
Tgt Ion:154 Resp: 2513
Ion Ratio Lower Upper
154 100
153 115.3 89.7 134.5
152 56.0 42.3 63.5

Manual Integrations
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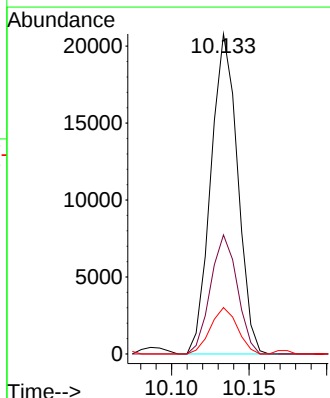
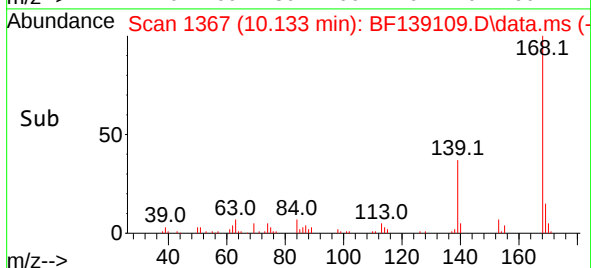
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024

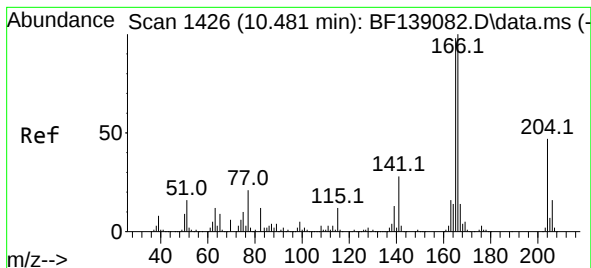


#55
Dibenzofuran
Concen: 2.386 ng
RT: 10.133 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50



Tgt Ion:168 Resp: 24908
Ion Ratio Lower Upper
168 100
139 37.2 31.6 47.4
169 14.5 10.7 16.1





#58

Fluorene

Concen: 8.150 ng

RT: 10.475 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF139109.D

Acq: 21 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

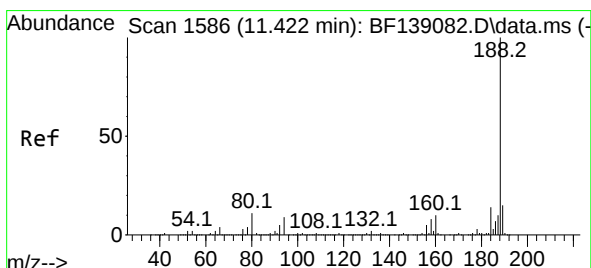
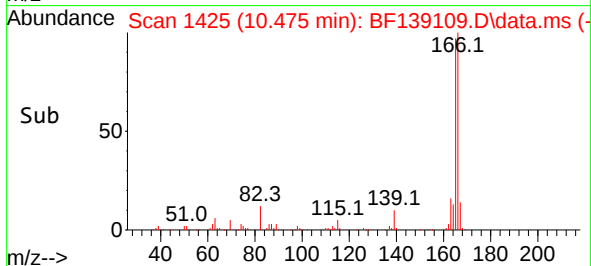
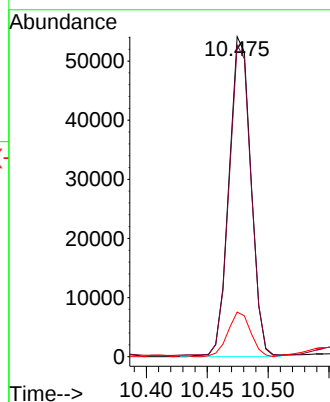
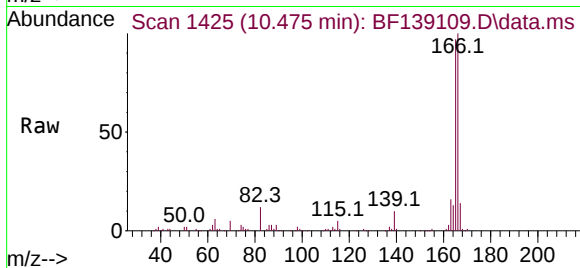
915-J-SD-0.5-1-081624

Tgt Ion:166	Resp:	6800
Ion Ratio	Lower	Upper
166	100	
165	97.4	78.0 117.0
167	13.9	11.0 16.4

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

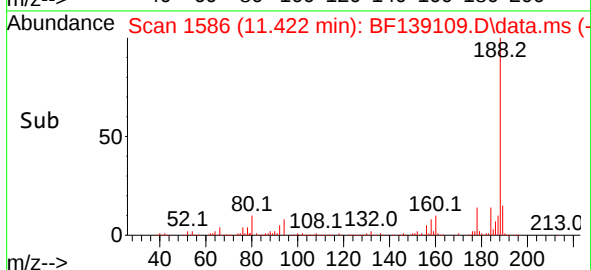
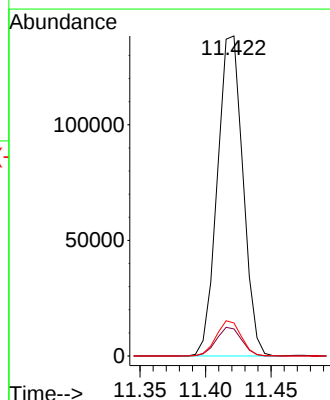
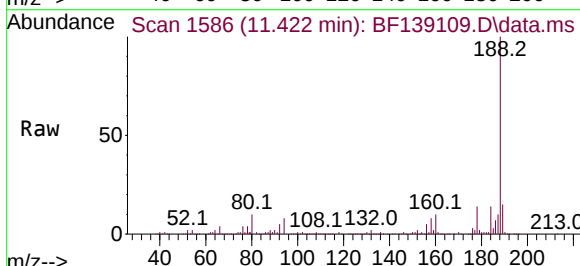
RT: 11.422 min Scan# 1586

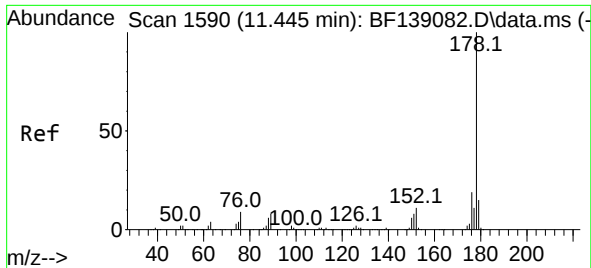
Delta R.T. -0.000 min

Lab File: BF139109.D

Acq: 21 Aug 2024 18:50

Tgt Ion:188	Resp:	187497
Ion Ratio	Lower	Upper
188	100	
94	8.5	7.2 10.8
80	10.3	8.5 12.7





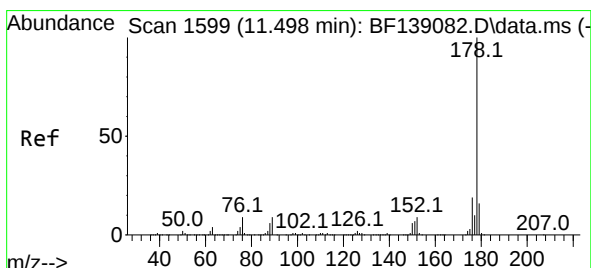
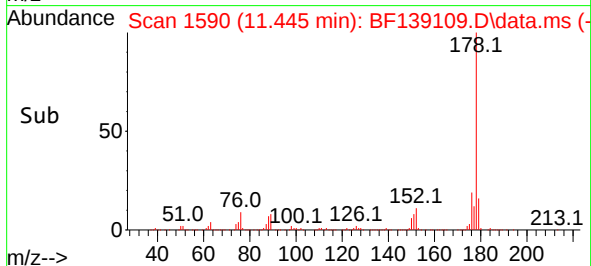
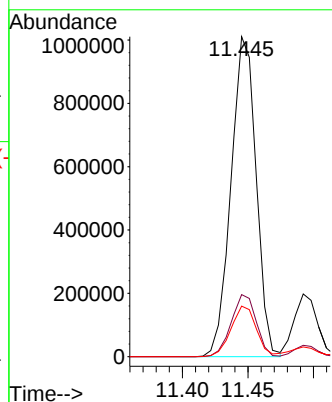
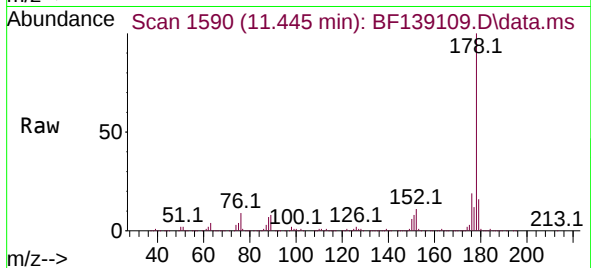
#71
Phenanthrene
Concen: 141.360 ng
RT: 11.445 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF139109.D
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Instrument :
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915-J-SD-0.5-1-081624

Tgt Ion:178 Resp: 134717
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.3 18.5

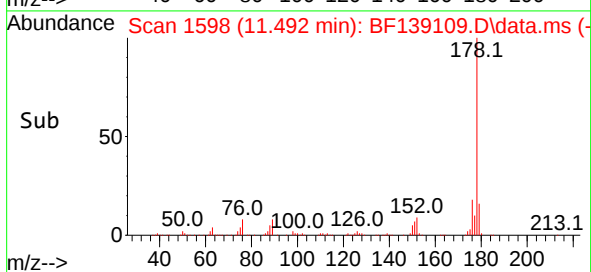
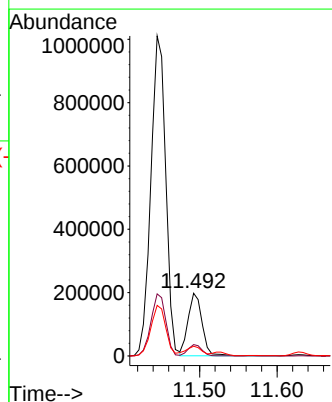
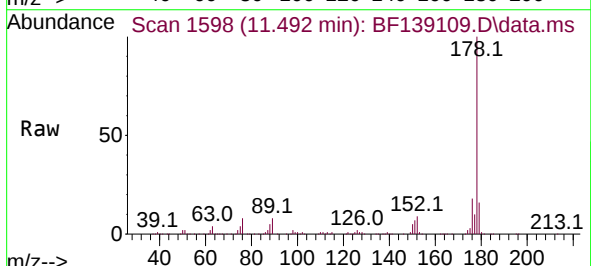
Manual Integrations
APPROVED

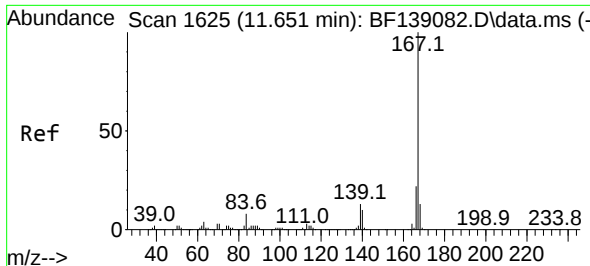
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#72
Anthracene
Concen: 26.626 ng
RT: 11.492 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

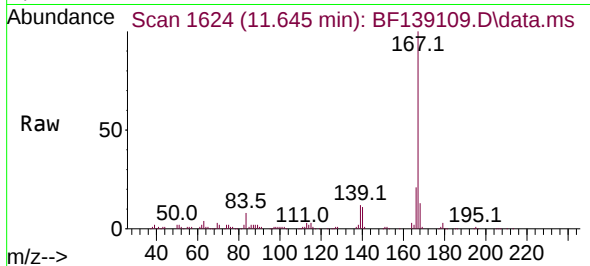
Tgt Ion:178 Resp: 248158
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 12.566 ng
 RT: 11.645 min Scan# 1164
 Delta R.T. -0.006 min
 Lab File: BF139109.D
 Acq: 21 Aug 2024 18:50

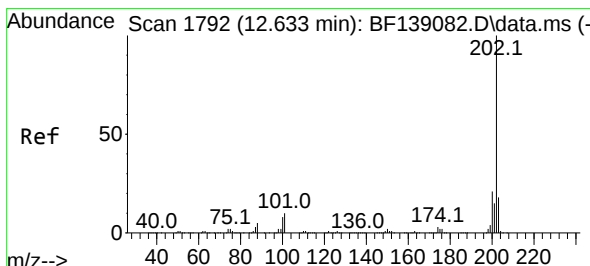
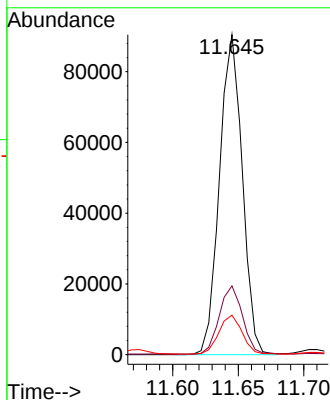
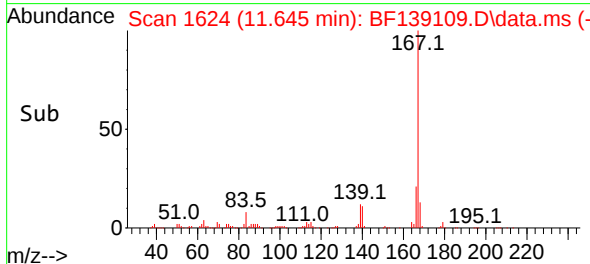
Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624



Tgt Ion:167 Resp: 109364
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 12.3 10.5 15.7

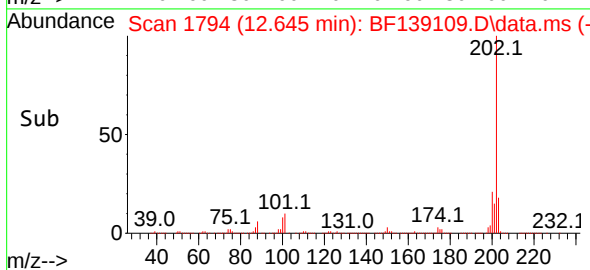
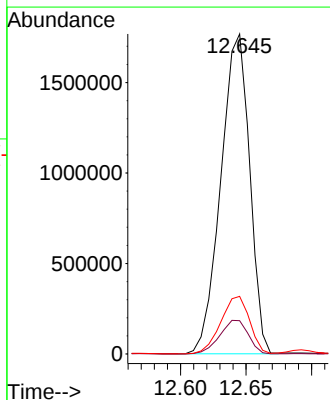
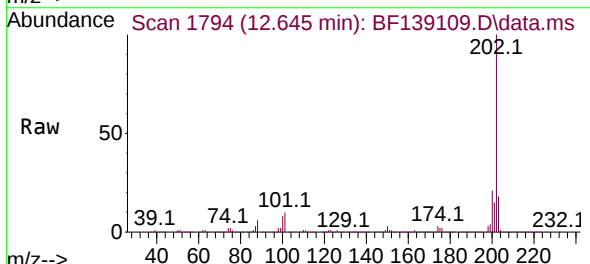
Manual Integrations
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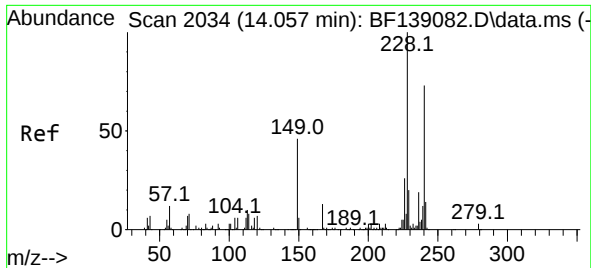
Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#75
 Fluoranthene
 Concen: 265.676 ng
 RT: 12.645 min Scan# 1794
 Delta R.T. 0.012 min
 Lab File: BF139109.D
 Acq: 21 Aug 2024 18:50

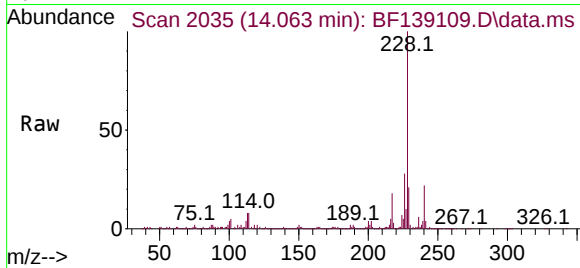
Tgt Ion:202 Resp: 2702397
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 30.2
 203 18.0 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

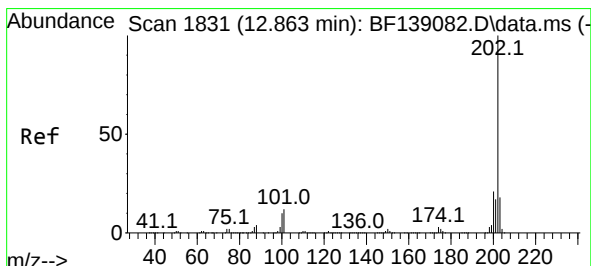
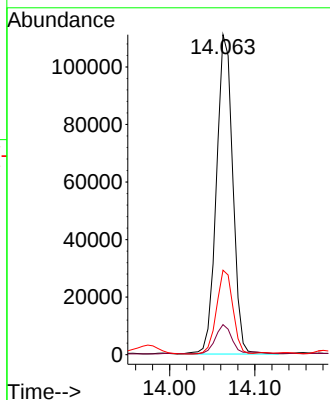
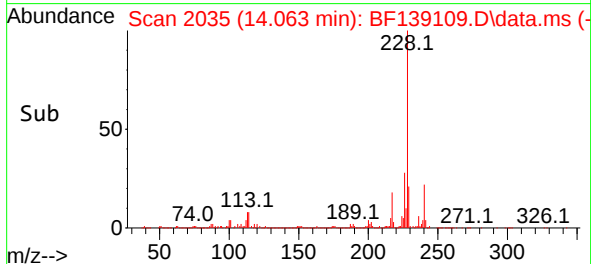
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



Tgt Ion:240 Resp: 147499
Ion Ratio Lower Upper
240 100
120 9.4 7.8 11.6
236 26.4 20.9 31.3

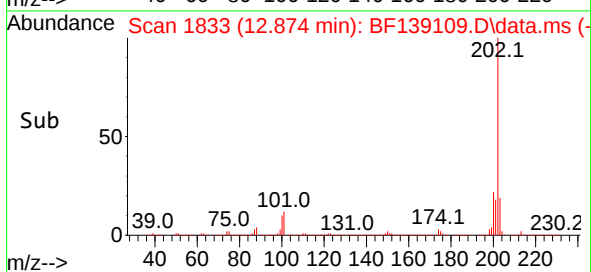
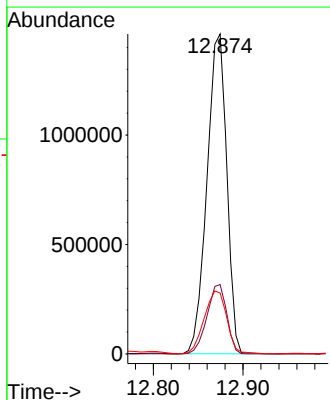
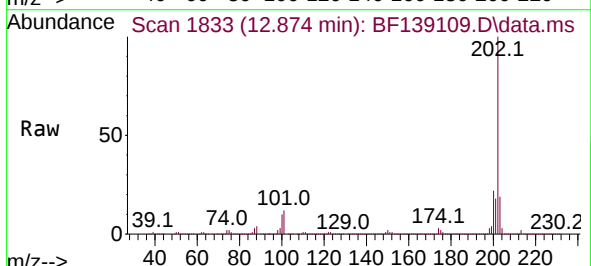
Manual Integrations
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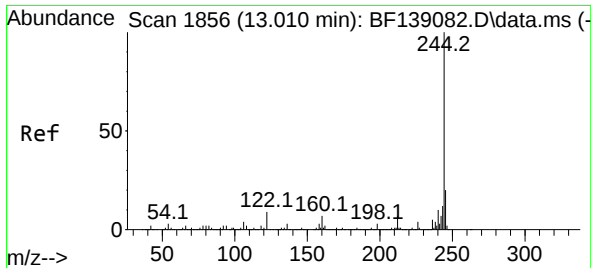
Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



#78
Pyrene
Concen: 181.746 ng
RT: 12.874 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

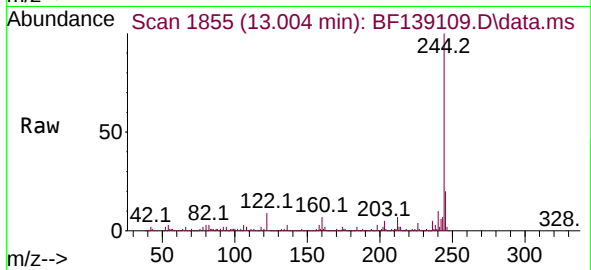
Tgt Ion:202 Resp: 2237119
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 19.0 14.1 21.1





#79
 Terphenyl-d14
 Concen: 57.908 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. -0.006 min
 Lab File: BF139109.D
 Acq: 21 Aug 2024 18:50

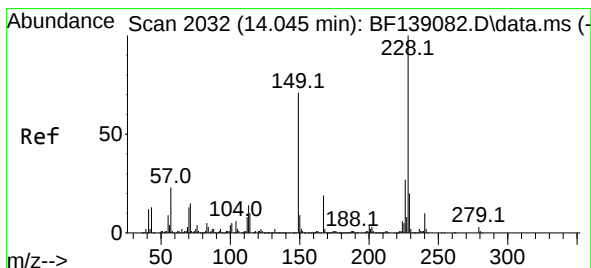
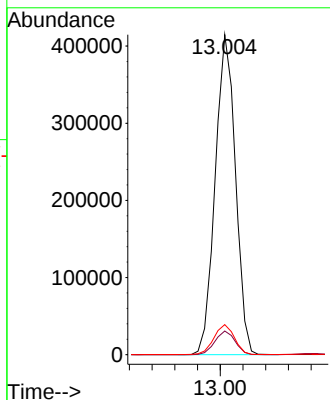
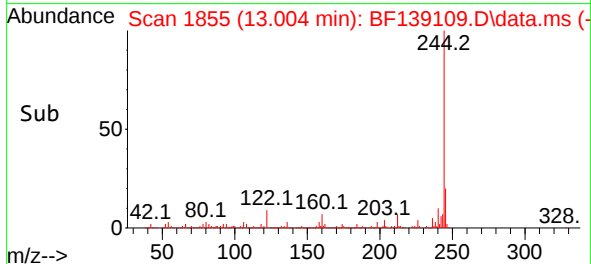
Instrument :
 BNA_F
 ClientSampleId :
 915-J-SD-0.5-1-081624



Tgt Ion:244 Resp: 514750
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 9.4 7.6 11.4

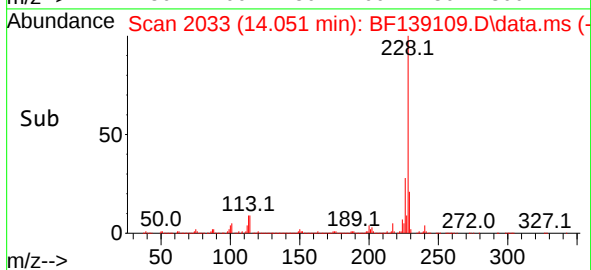
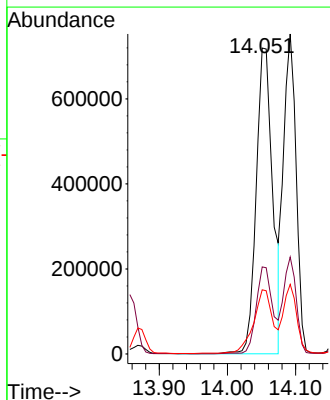
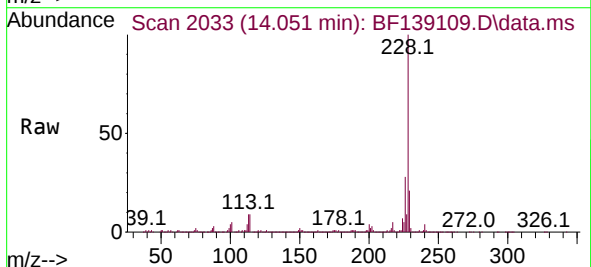
Manual Integrations
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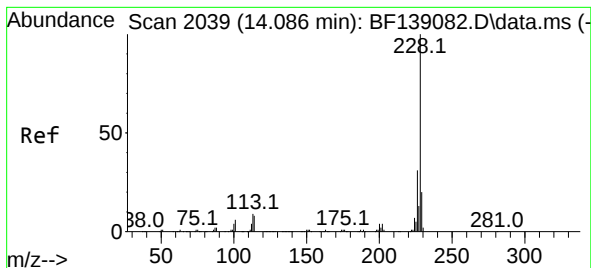
Reviewed By :Jagrut Upadhyay 08/22/2024
 Supervised By :mohammad ahmed 08/23/2024



#81
 Benzo(a)anthracene
 Concen: 123.791 ng
 RT: 14.051 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF139109.D
 Acq: 21 Aug 2024 18:50

Tgt Ion:228 Resp: 1200269
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.9 32.9
 229 21.0 16.1 24.1





#83

Chrysene

Concen: 109.319 ng

RT: 14.092 min Scan# 2039

Delta R.T. 0.006 min

Lab File: BF139109.D

Acq: 21 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

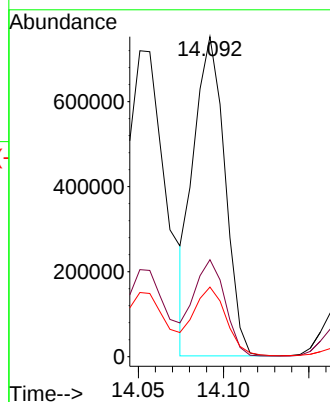
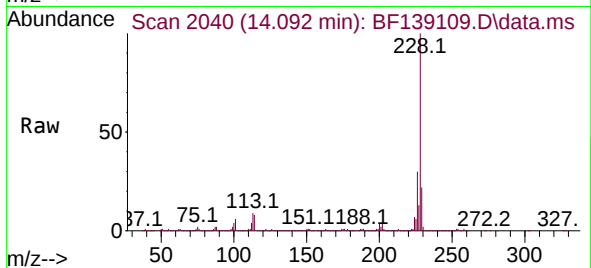
915-J-SD-0.5-1-081624

Tgt Ion:	228	Resp:	96074
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.3	36.5
229	21.7	15.8	23.8

Manual Integrations

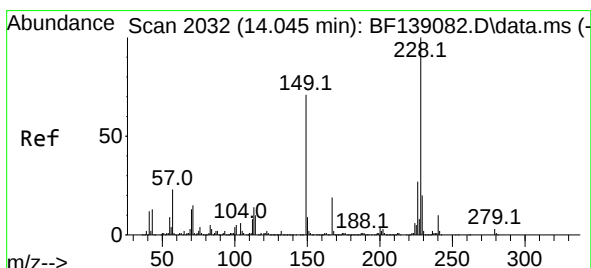
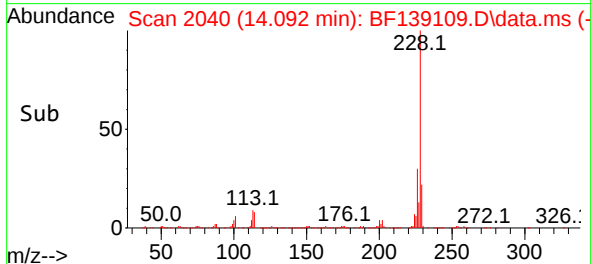
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Supervised By :mohammad ahmed 08/23/2024



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ahmed

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#84

Bis(2-ethylhexyl)phthalate

Concen: 2.460 ng

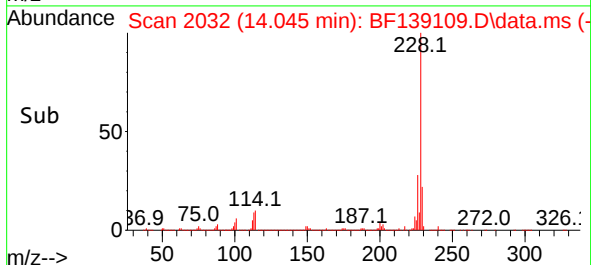
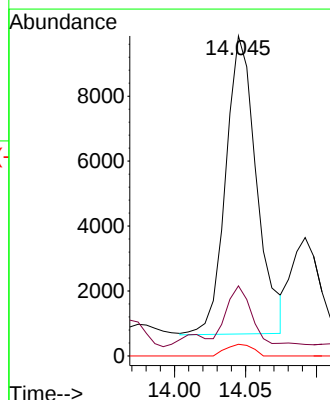
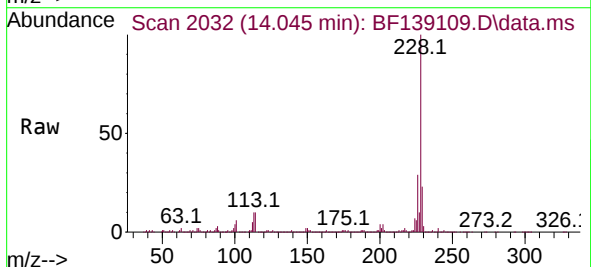
RT: 14.045 min Scan# 2032

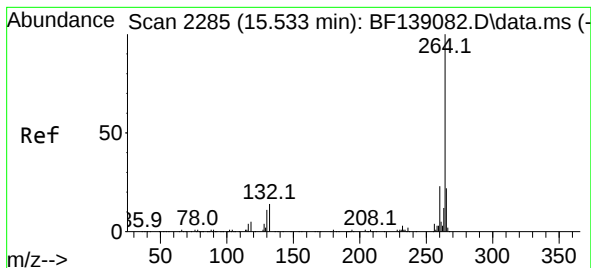
Delta R.T. -0.000 min

Lab File: BF139109.D

Acq: 21 Aug 2024 18:50

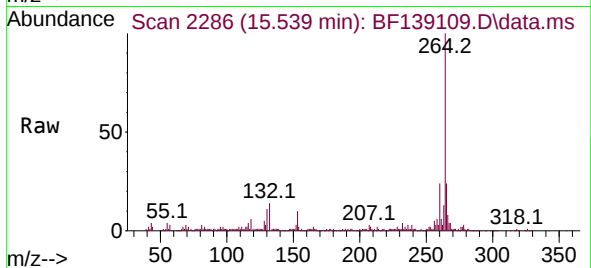
Tgt Ion:	149	Resp:	13888
Ion Ratio	Lower	Upper	
149	100		
167	21.9	21.8	32.6
279	3.7	3.5	5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

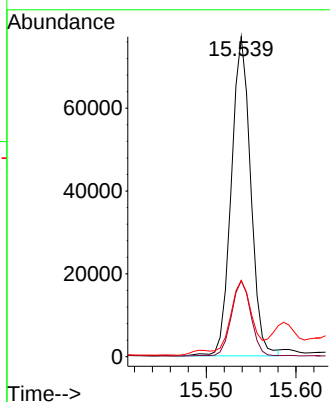
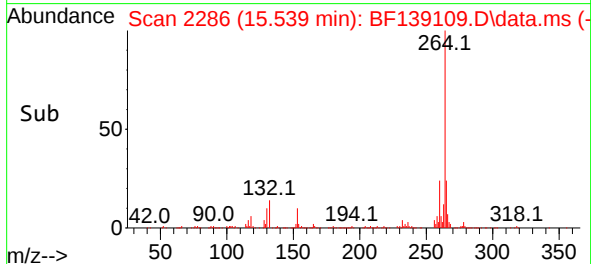
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



Tgt Ion:264 Resp: 115799
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 23.8 17.4 26.2

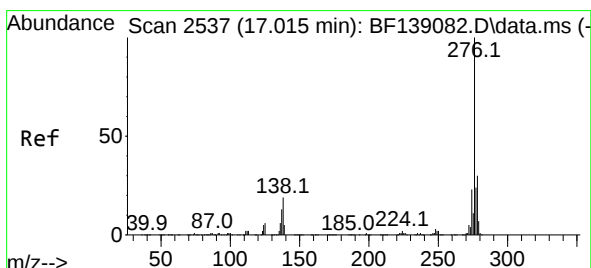
Manual Integrations
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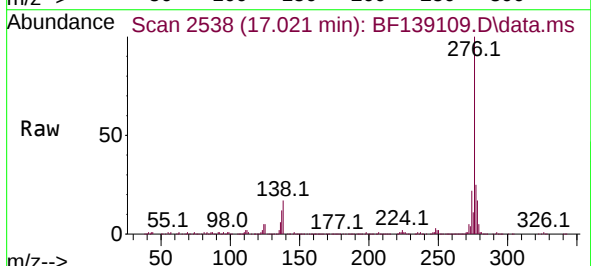


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ahmed

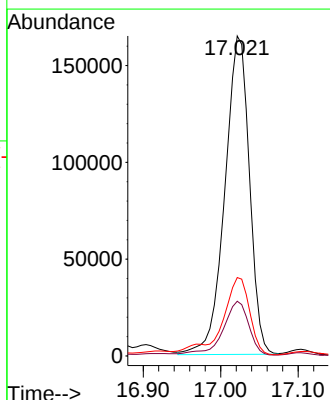
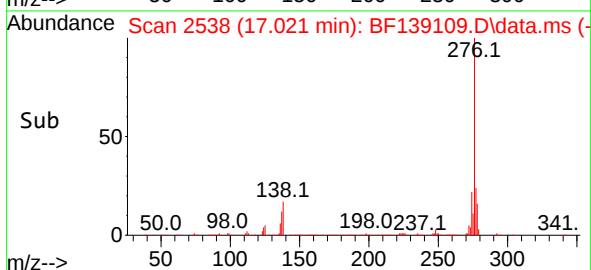
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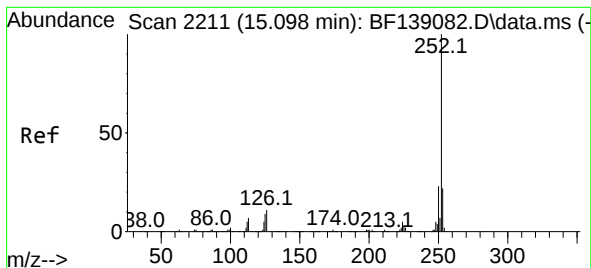


#87
Indeno(1,2,3-cd)pyrene
Concen: 53.574 ng
RT: 17.021 min Scan# 2538
Delta R.T. 0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50



Tgt Ion:276 Resp: 363081
Ion Ratio Lower Upper
276 100
138 17.8 17.3 25.9
277 27.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 126.502 ng m

RT: 15.115 min Scan# 2214

Delta R.T. 0.017 min

Lab File: BF139109.D

Acq: 21 Aug 2024 18:50

Instrument :

BNA_F

ClientSampleId :

915-J-SD-0.5-1-081624

Tgt Ion:252 Resp: 955009

Ion Ratio Lower Upper

252 100

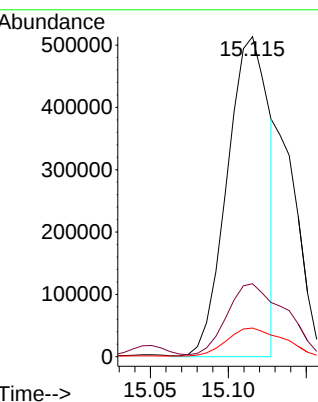
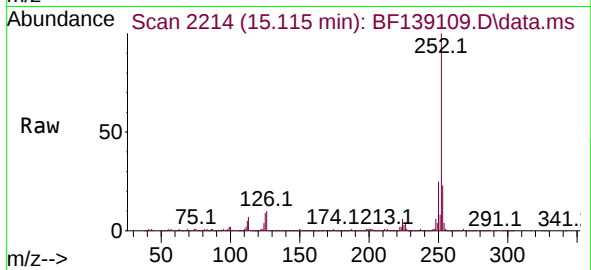
253 22.8 17.4 26.2

125 9.0 7.0 10.6

Manual Integrations

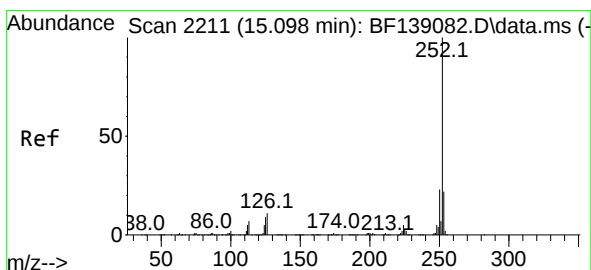
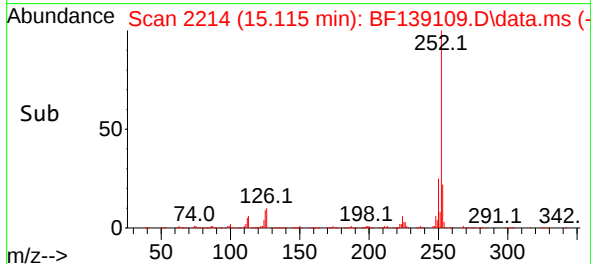
APPROVED

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Supervised By :mohammad ahmed 08/23/2024



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ahmed

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#89

Benzo(k)fluoranthene

Concen: 58.605 ng m

RT: 15.127 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF139109.D

Acq: 21 Aug 2024 18:50

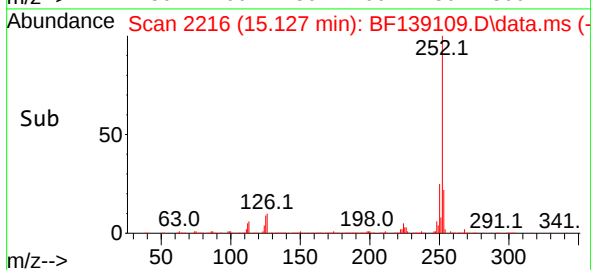
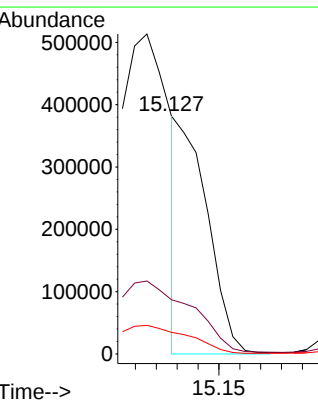
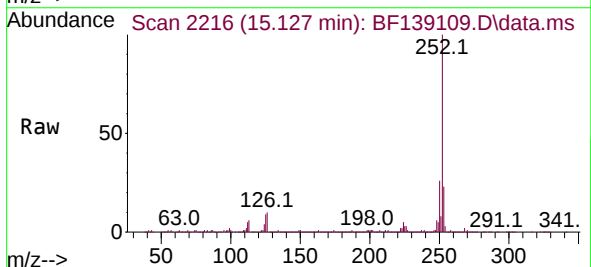
Tgt Ion:252 Resp: 368488

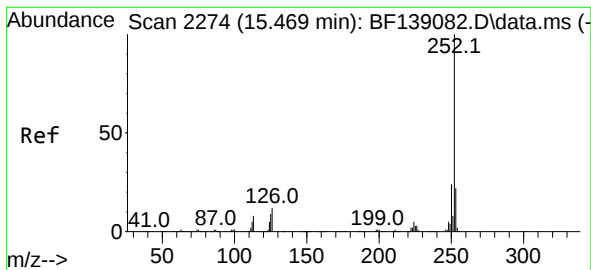
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.2

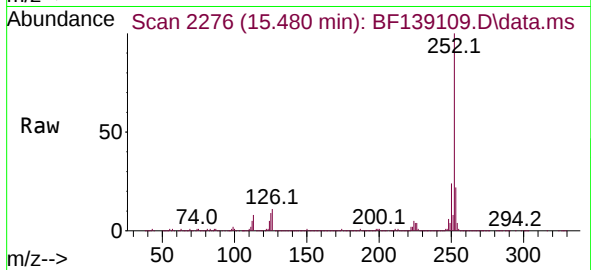
125 9.1 7.0 10.6





#90
Benzo(a)pyrene
Concen: 111.695 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

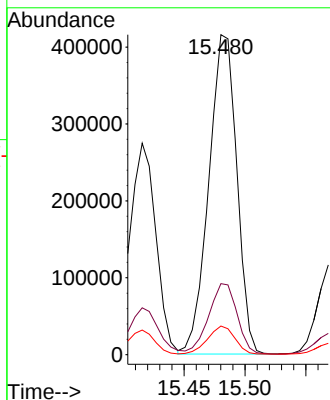
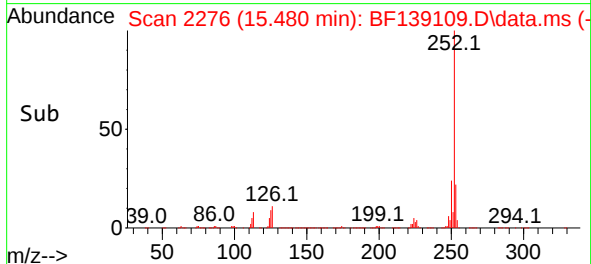
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



Tgt Ion:252 Resp: 666280
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 8.9 7.4 11.2

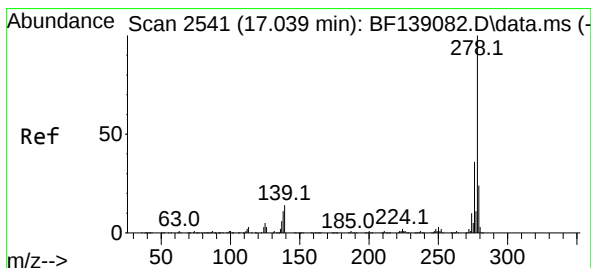
Manual Integrations
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Reviewed By :Jagrut Upadhyay 08/22/2024
Supervised By :mohammad ahmed 08/23/2024



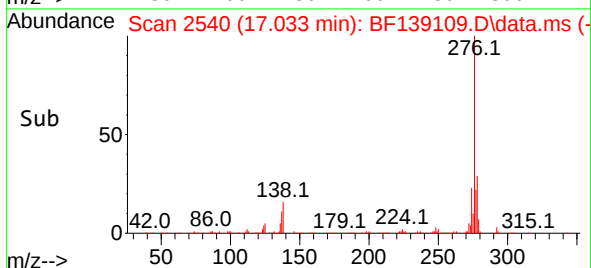
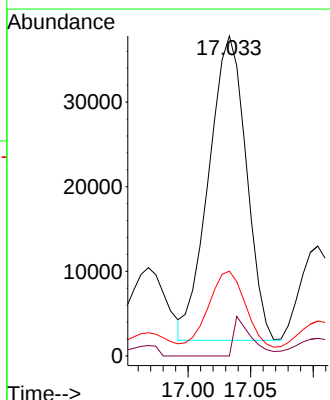
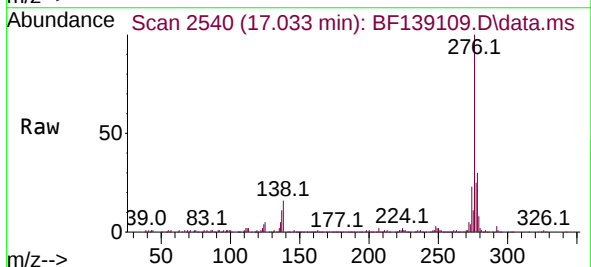
08/22/2024
Supervised By :mohammad
ahmed

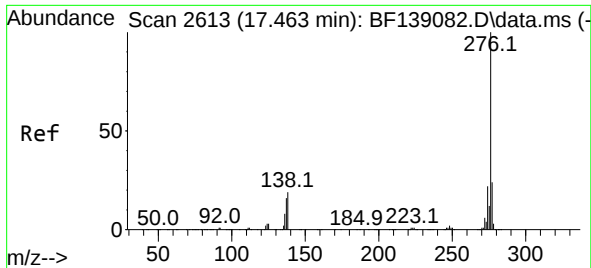
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#91
Dibenzo(a,h)anthracene
Concen: 13.468 ng m
RT: 17.033 min Scan# 2540
Delta R.T. -0.006 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

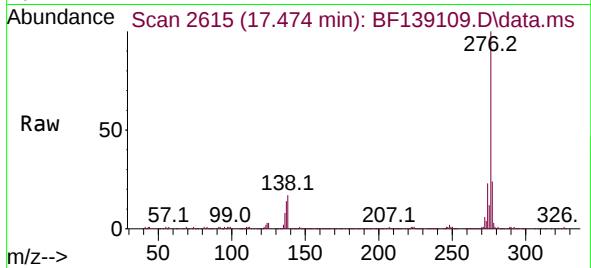
Tgt Ion:278 Resp: 74927
Ion Ratio Lower Upper
278 100
139 0.0 10.8 16.2#
279 26.5 19.2 28.8





#92
Benzo(g,h,i)perylene
Concen: 50.975 ng
RT: 17.474 min Scan# 20
Delta R.T. 0.011 min
Lab File: BF139109.D
Acq: 21 Aug 2024 18:50

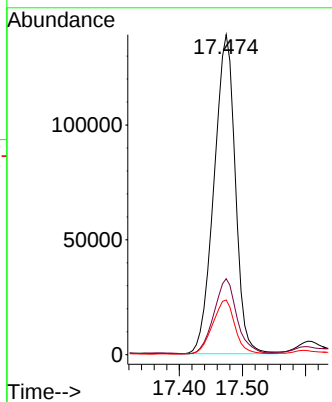
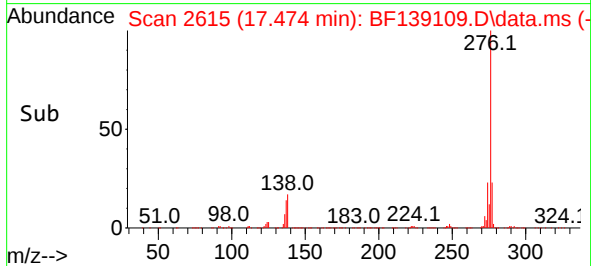
Instrument :
BNA_F
ClientSampleId :
915-J-SD-0.5-1-081624



Tgt Ion:276 Resp: 325169
Ion Ratio Lower Upper
276 100
277 23.7 18.8 28.2
138 17.1 15.0 22.4

Manual Integrations
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Supervised By :mohammad ahmed 08/23/2024



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Supervised By :mohammad
ahmed

08/23/2024