

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
 Data File : BF139156.D
 Acq On : 23 Aug 2024 19:45
 Operator : RC/JU
 Sample : P3707-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-930-K1-SO-0.5-1-082024

Quant Time: Aug 23 23:22:11 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 :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	79755	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	290547	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	150574	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	202566	20.000	ng	0.00
76) Chrysene-d12	14.057	240	168501	20.000	ng	0.00
86) Perylene-d12	15.533	264	157881	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	385197	74.307	ng	0.00
7) Phenol-d6	6.516	99	503884	75.226	ng	0.00
23) Nitrobenzene-d5	7.457	82	334508	67.086	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	93472	68.572	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	539889	56.889	ng	0.00
79) Terphenyl-d14	13.004	244	397555	39.149	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.627	202	47335	4.307	ng	100
78) Pyrene	12.857	202	42926	3.053	ng	99
81) Benzo(a)anthracene	14.045	228	31193	2.816	ng	96
83) Chrysene	14.080	228	24525	2.443	ng	98
88) Benzo(b)fluoranthene	15.098	252	38160m	3.707	ng	
90) Benzo(a)pyrene	15.468	252	21093	2.593	ng	99
92) Benzo(g,h,i)perylene	17.457	276	8614	3.731	ng	95

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

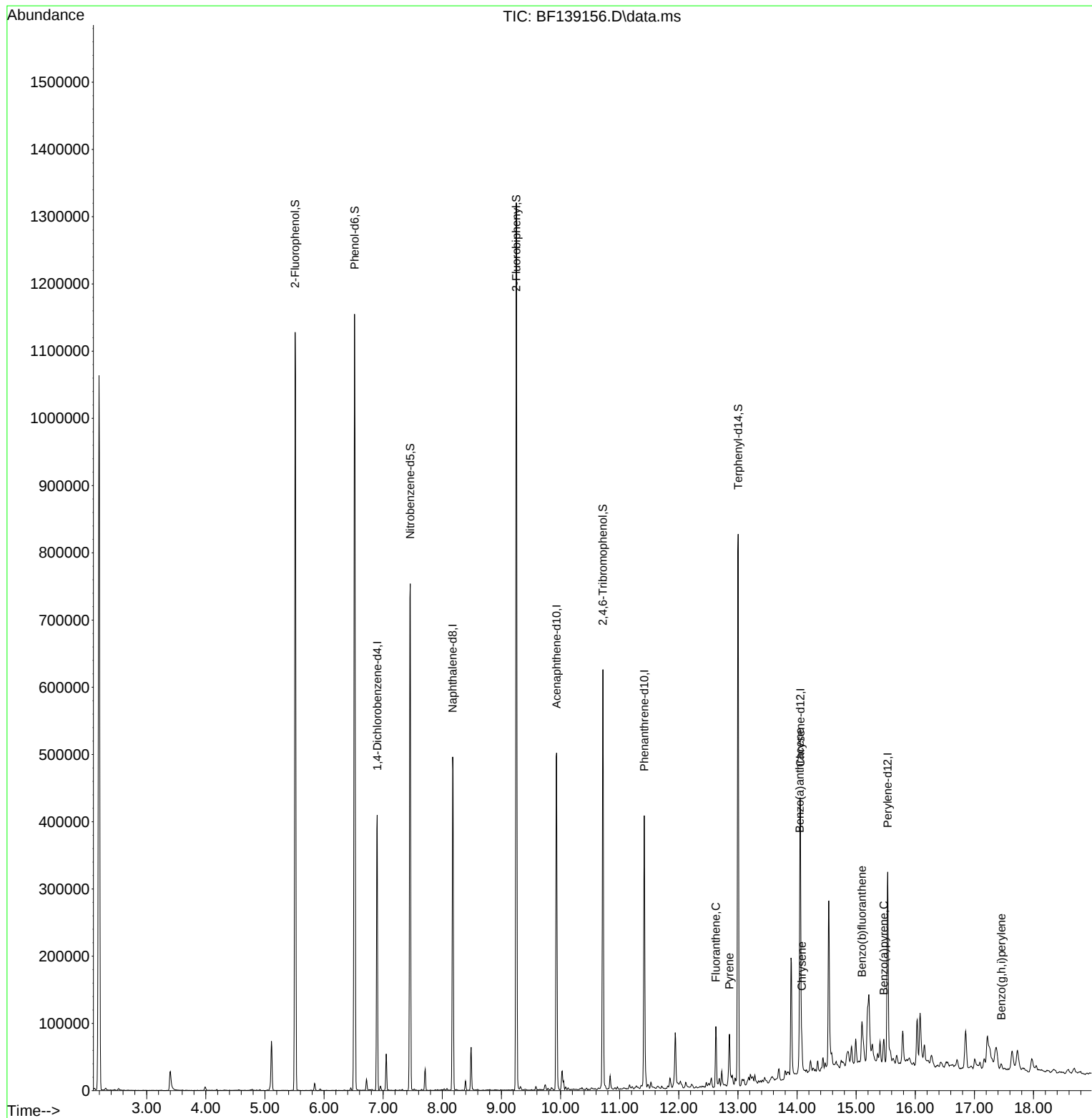
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
Data File : BF139156.D
Acq On : 23 Aug 2024 19:45
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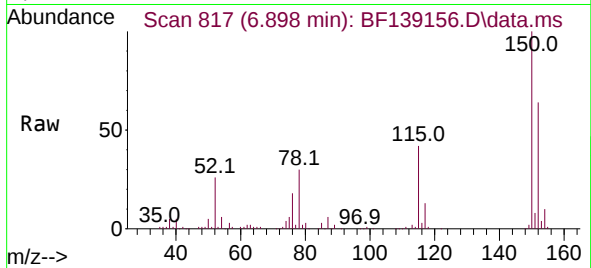
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

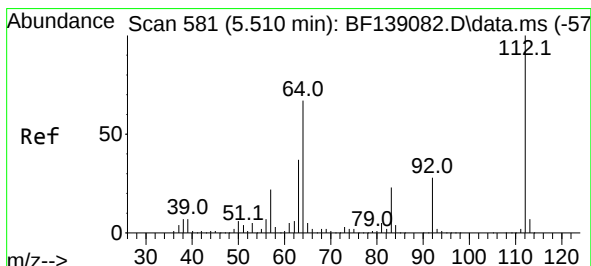
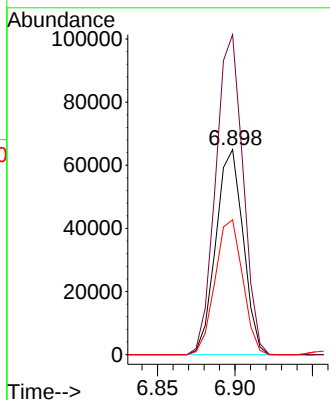
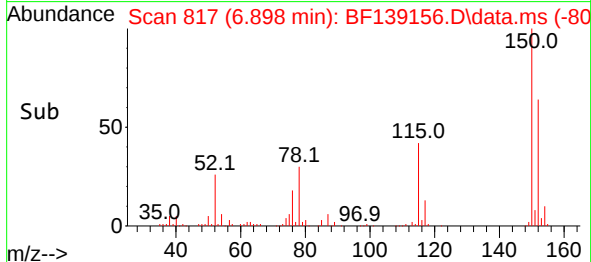
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024



Tgt Ion:152 Resp: 79758
Ion Ratio Lower Upper
152 100
150 156.0 125.1 187.7
115 65.7 51.8 77.6

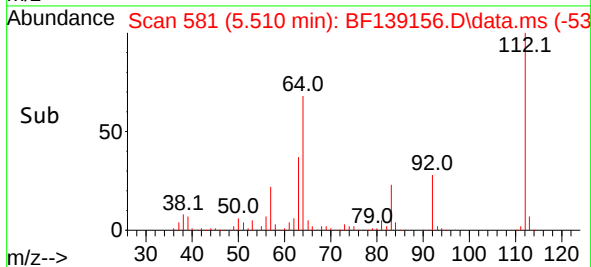
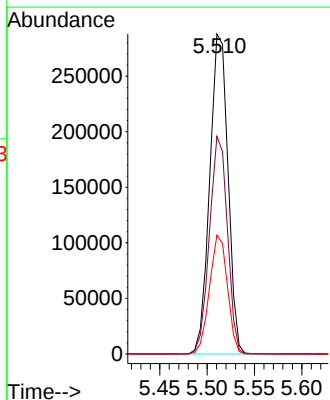
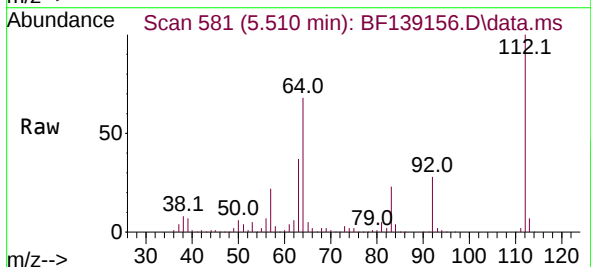
Manual Integrations
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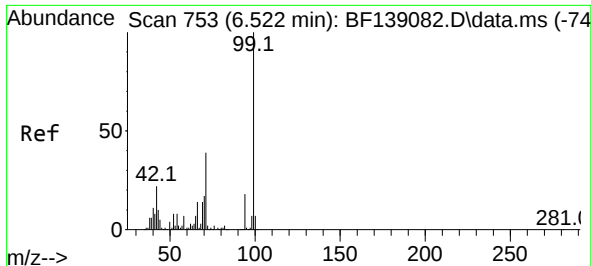
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#5
2-Fluorophenol
Concen: 74.307 ng
RT: 5.510 min Scan# 581
Delta R.T. -0.000 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

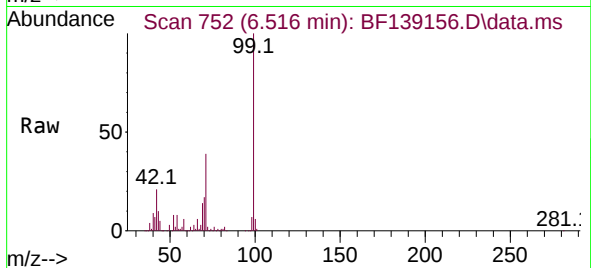
Tgt Ion:112 Resp: 385197
Ion Ratio Lower Upper
112 100
64 68.0 53.8 80.6
63 37.2 29.4 44.2





#7
Phenol-d6
Concen: 75.226 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

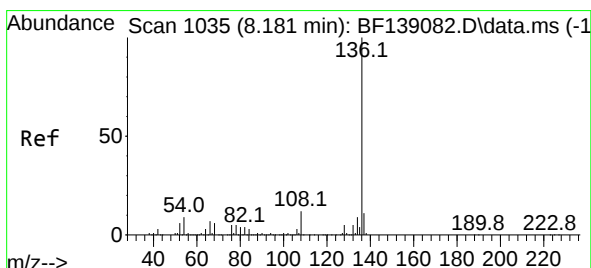
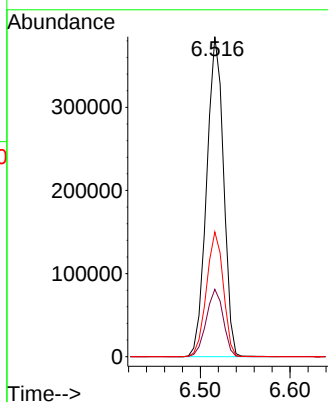
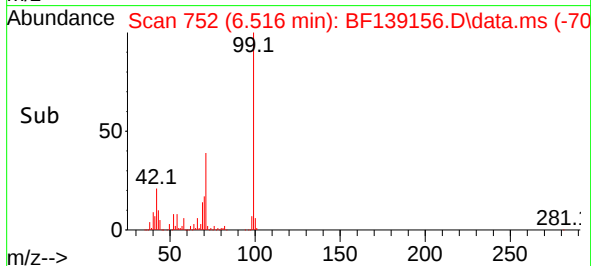
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024



Tgt Ion: 99 Resp: 503884
Ion Ratio Lower Upper
99 100
42 21.1 17.4 26.2
71 39.0 31.2 46.8

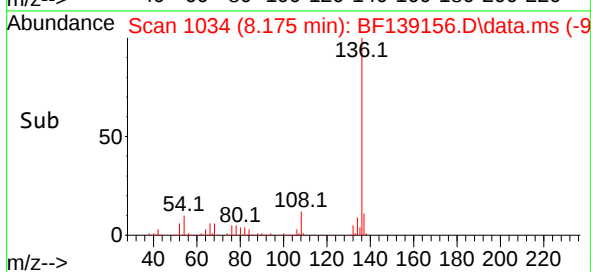
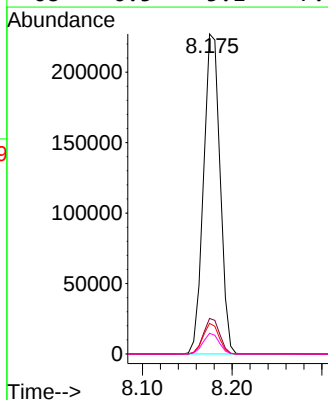
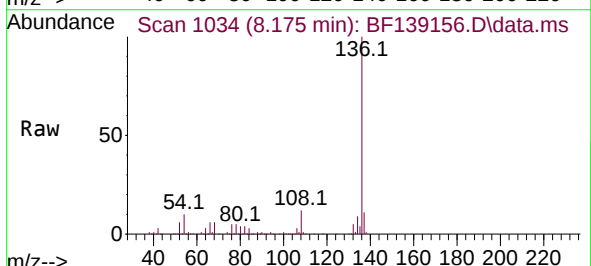
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Supervised By :mohammad ahmed 08/24/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:136 Resp: 290547
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.6 7.6 11.4
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 67.086 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139156.D

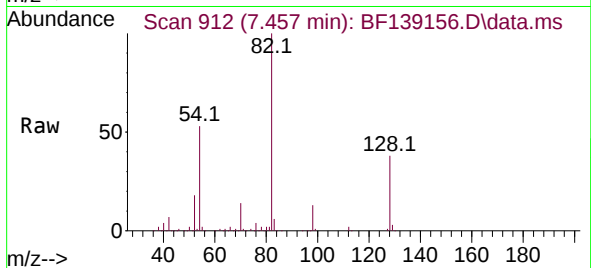
Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024



Tgt Ion: 82 Resp: 334508

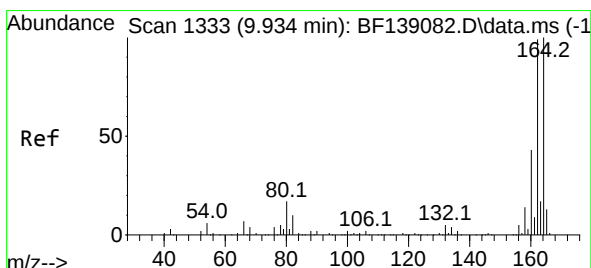
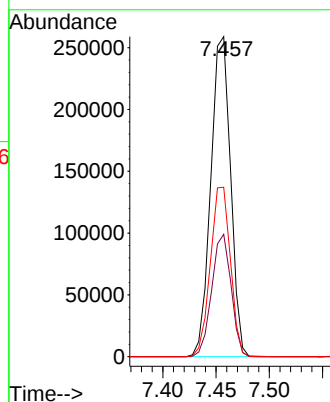
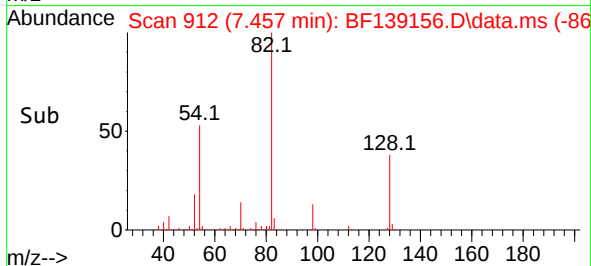
Ion	Ratio	Lower	Upper
82	100		
128	38.3	29.0	43.4
54	52.9	43.4	65.2

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Supervised By :mohammad ahmed 08/24/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1333

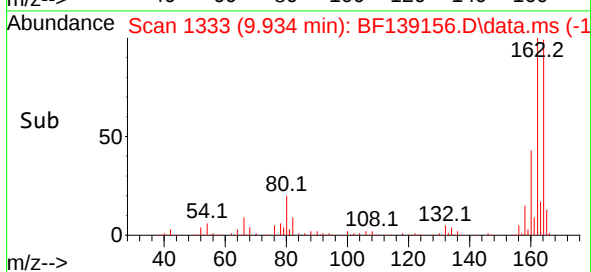
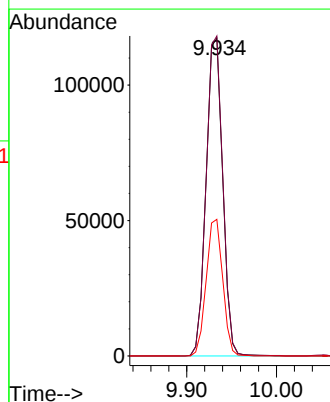
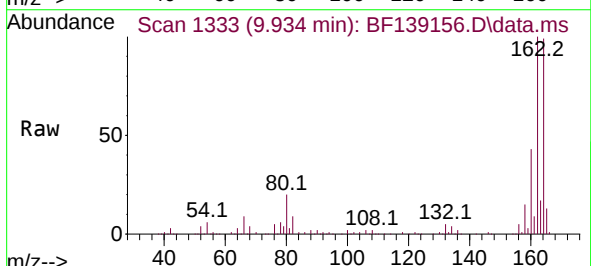
Delta R.T. -0.000 min

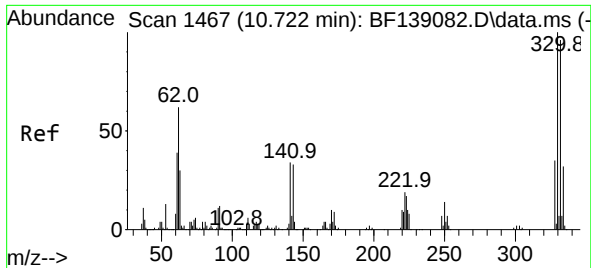
Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Tgt Ion:164 Resp: 150574

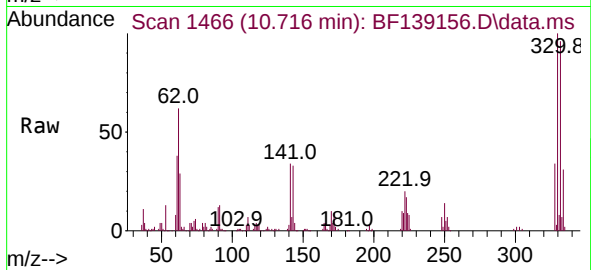
Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.5	119.3
160	43.0	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 68.572 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

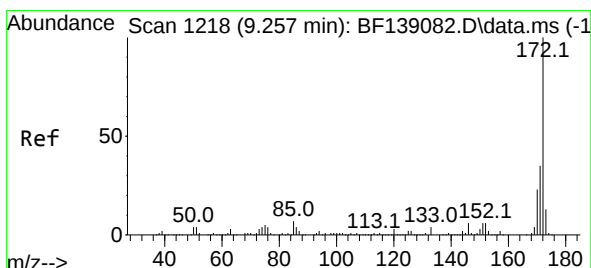
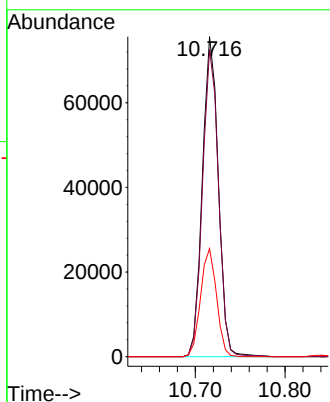
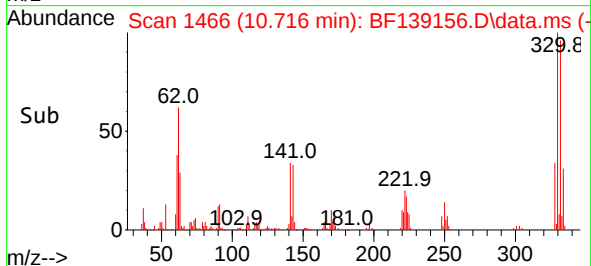
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024



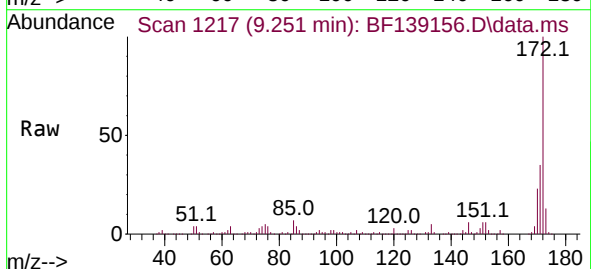
Tgt Ion: 330 Resp: 93472
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 33.6 27.5 41.3

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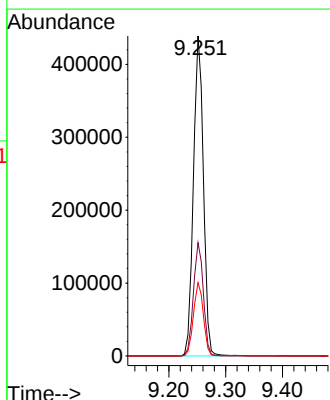
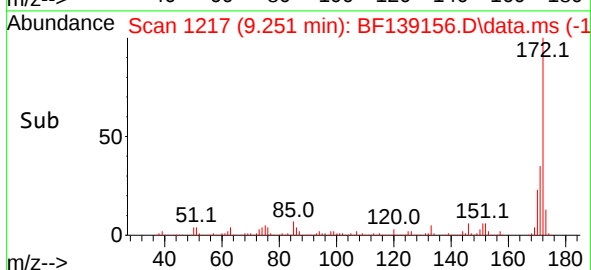
Reviewed By : Yogesh Patel 08/24/2024
Supervised By : mohammad ahmed 08/24/2024

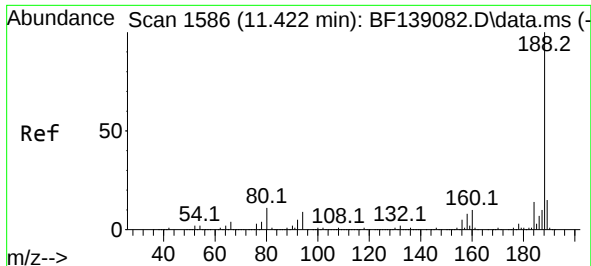


#45
2-Fluorobiphenyl
Concen: 56.889 ng
RT: 9.251 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45



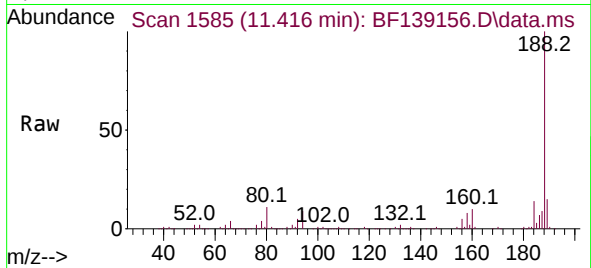
Tgt Ion: 172 Resp: 539889
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 22.9 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

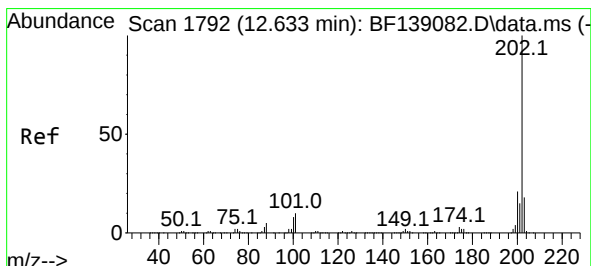
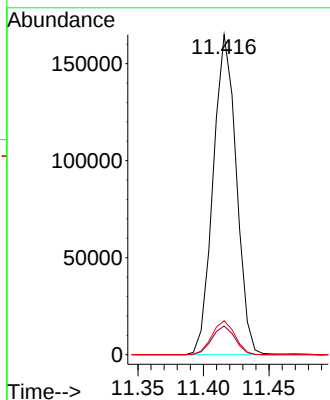
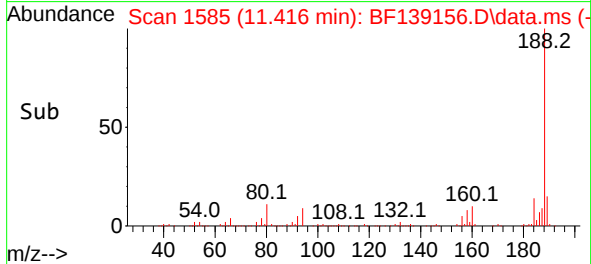
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024



Tgt Ion:188 Resp: 202560
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 10.6 8.5 12.7

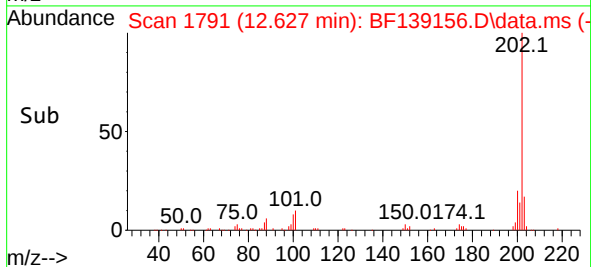
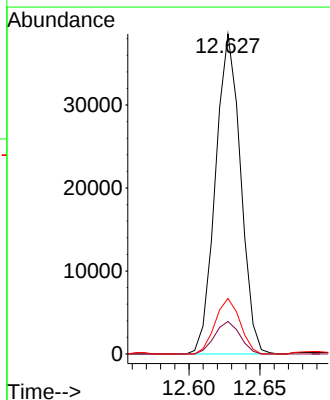
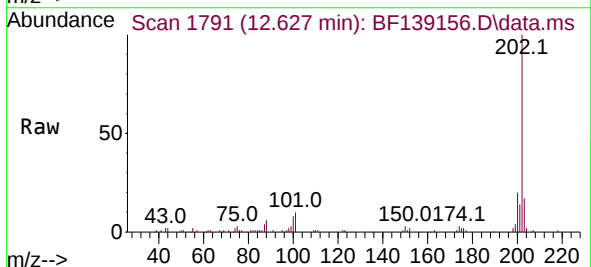
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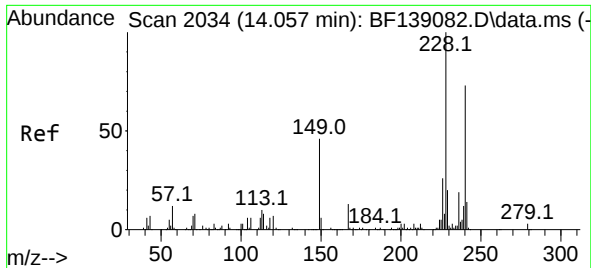
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#75
Fluoranthene
Concen: 4.307 ng
RT: 12.627 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

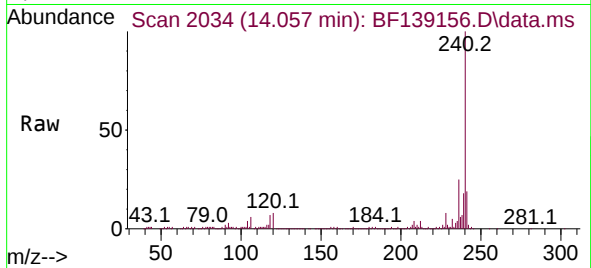
Tgt Ion:202 Resp: 47335
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 17.4 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

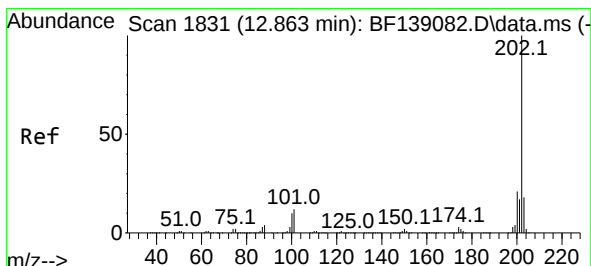
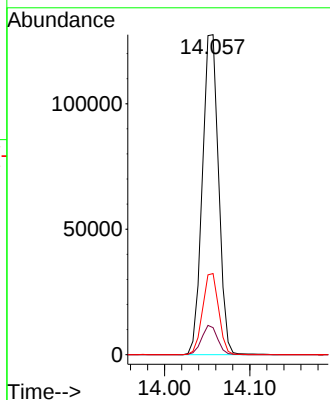
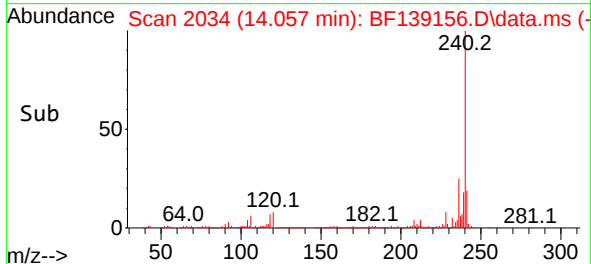
Instrument :
BNA_F
ClientSampleId :
S-930-K1-SO-0.5-1-082024



Tgt Ion:240 Resp: 16850
Ion Ratio Lower Upper
240 100
120 8.4 7.8 11.6
236 25.3 20.9 31.3

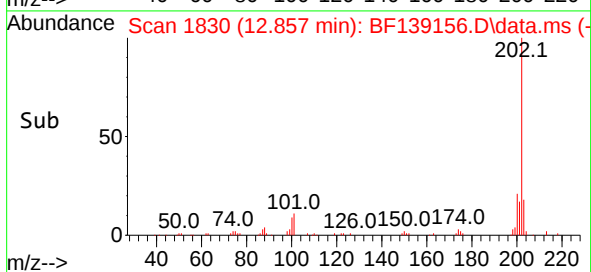
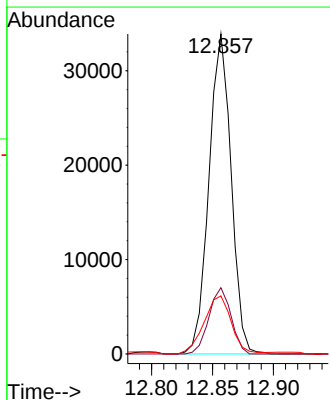
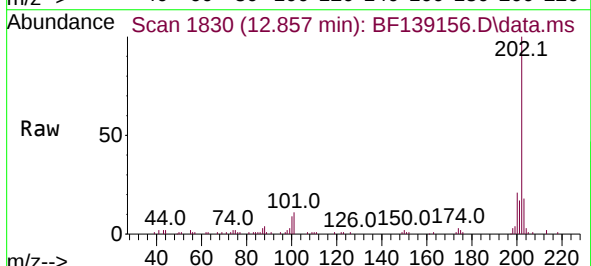
Manual Integrations
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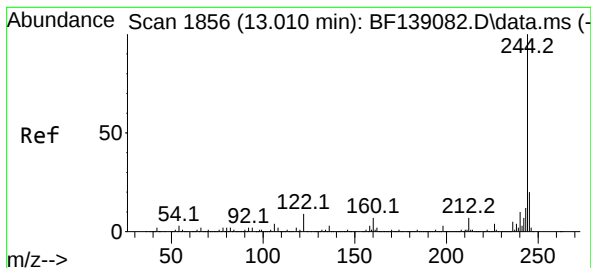
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024



#78
Pyrene
Concen: 3.053 ng
RT: 12.857 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

Tgt Ion:202 Resp: 42926
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.6
203 18.2 14.1 21.1





#79

Terphenyl-d14

Concen: 39.149 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139156.D

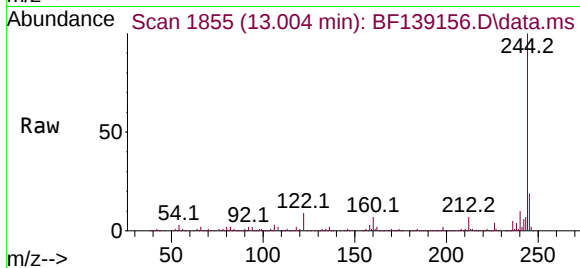
Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024



Tgt Ion:244 Resp: 39755

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

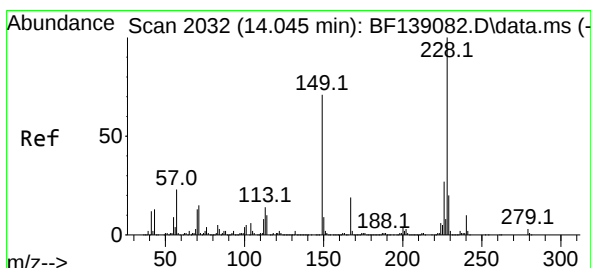
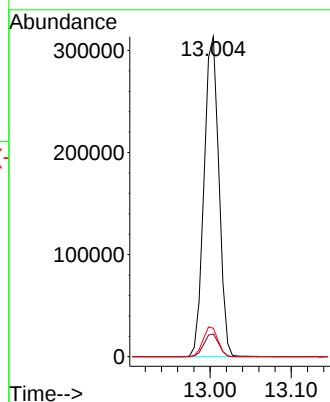
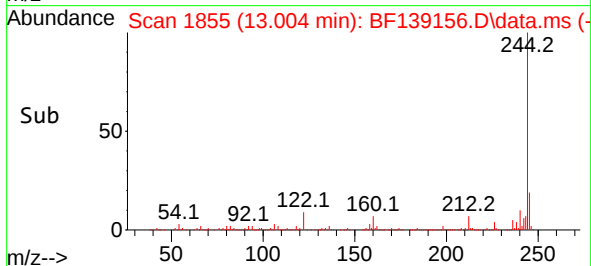
122 8.9 7.6 11.4

Manual Integrations

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Supervised By :mohammad ahmed 08/24/2024



#81

Benzo(a)anthracene

Concen: 2.816 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

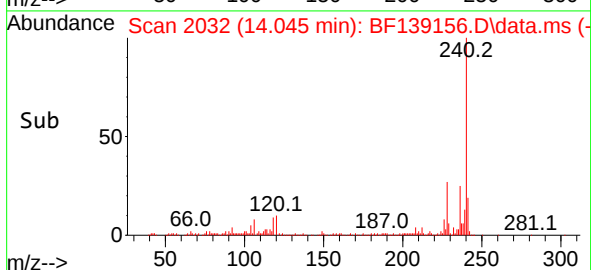
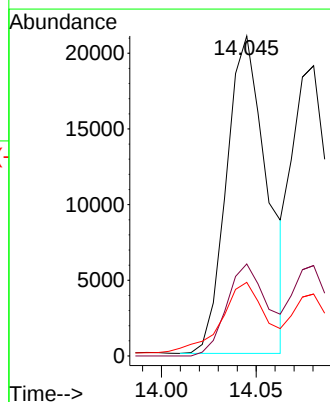
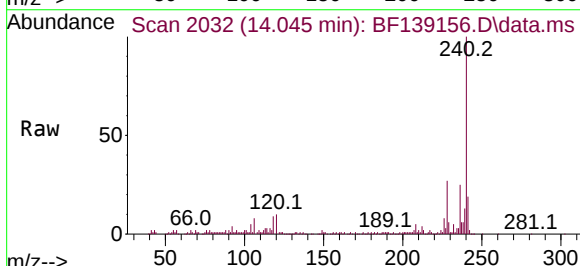
Tgt Ion:228 Resp: 31193

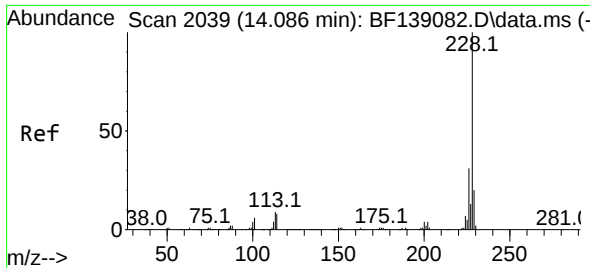
Ion Ratio Lower Upper

228 100

226 28.8 21.9 32.9

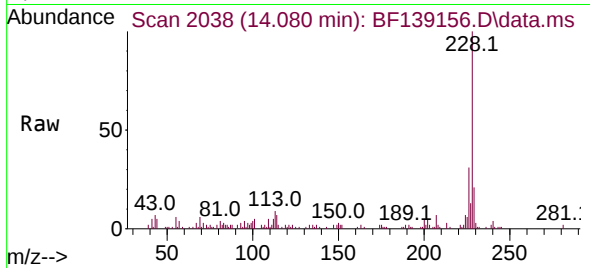
229 23.0 16.1 24.1





#83
Chrysene
Concen: 2.443 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45

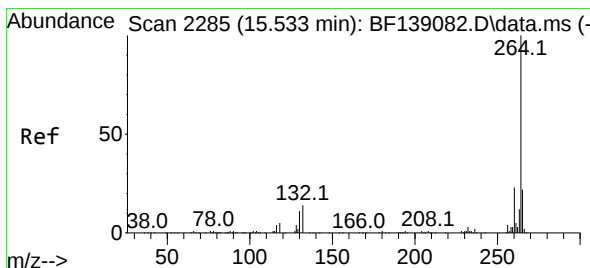
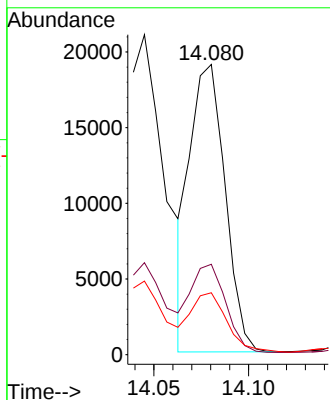
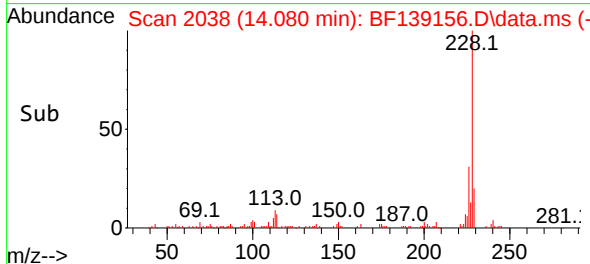
Instrument : BNA_F
ClientSampleId : S-930-K1-SO-0.5-1-082024



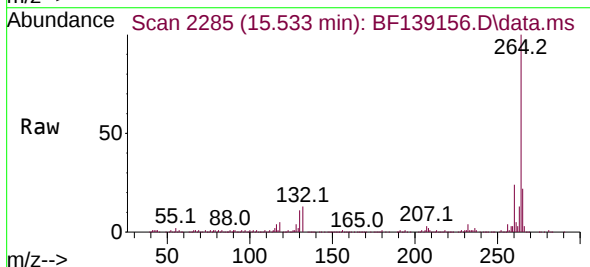
Tgt Ion:228 Resp: 24529
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 21.3 15.8 23.8

Manual Integrations
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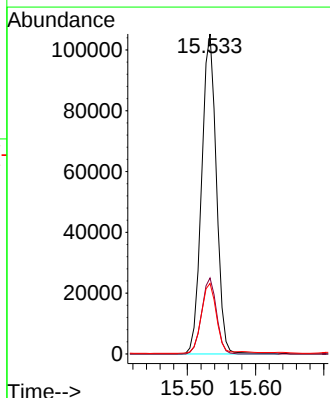
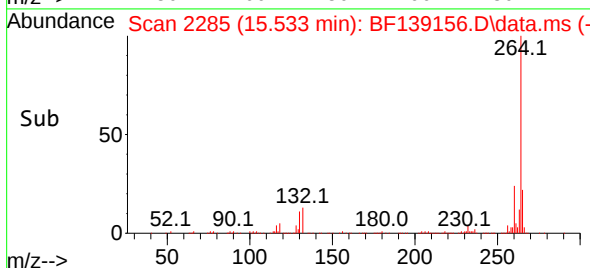
Reviewed By :Yogesh Patel 08/24/2024
Supervised By :mohammad ahmed 08/24/2024

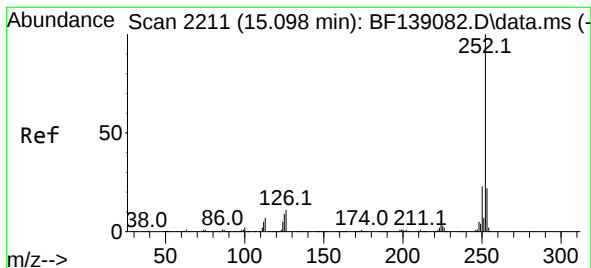


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2285
Delta R.T. -0.000 min
Lab File: BF139156.D
Acq: 23 Aug 2024 19:45



Tgt Ion:264 Resp: 157881
Ion Ratio Lower Upper
264 100
260 23.8 18.6 27.8
265 22.1 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.707 ng m

RT: 15.098 min Scan# 2116

Delta R.T. -0.000 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

Instrument :

BNA_F

ClientSampleId :

S-930-K1-SO-0.5-1-082024

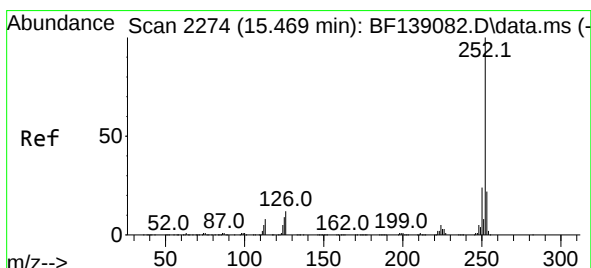
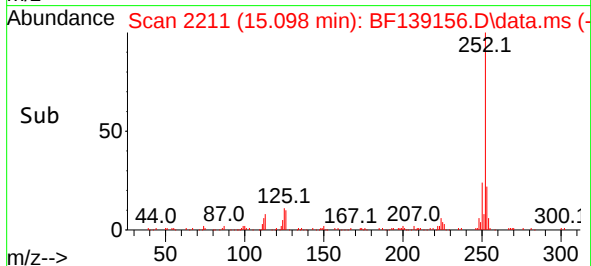
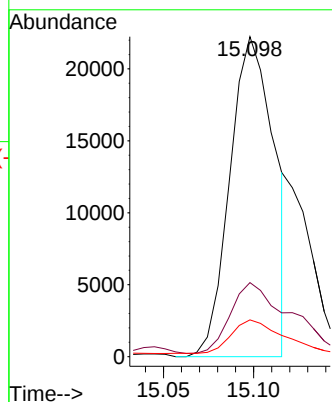
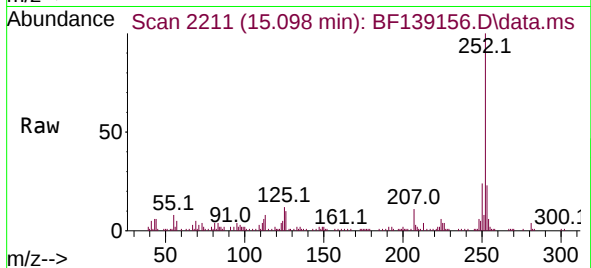
Tgt Ion:	252	Resp:	3816
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	11.5	7.0	10.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/24/2024

Supervised By :mohammad ahmed 08/24/2024



#90

Benzo(a)pyrene

Concen: 2.593 ng

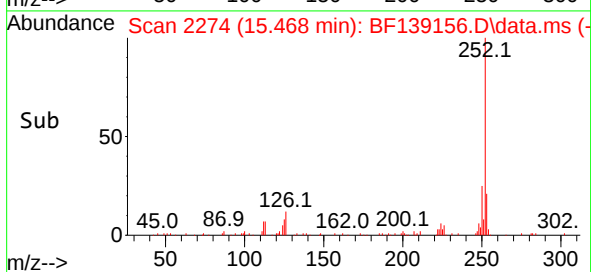
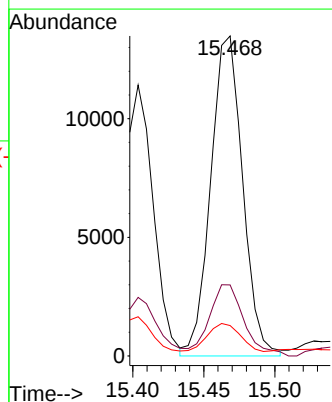
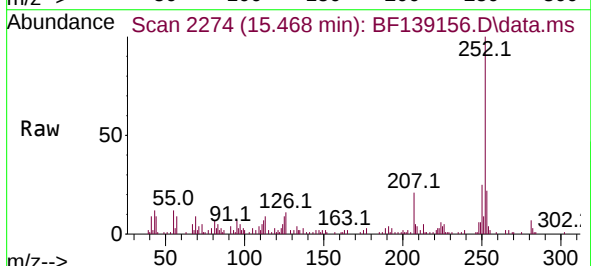
RT: 15.468 min Scan# 2274

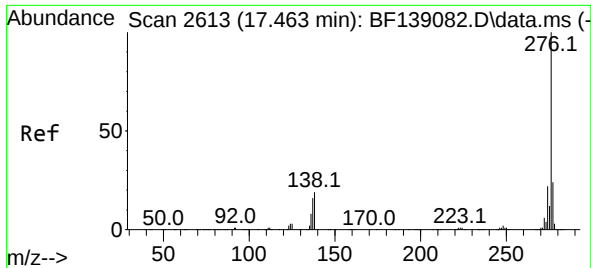
Delta R.T. -0.000 min

Lab File: BF139156.D

Acq: 23 Aug 2024 19:45

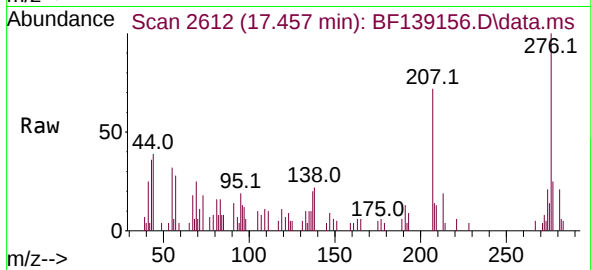
Tgt Ion:	252	Resp:	21093
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	9.5	7.4	11.2





#92
 Benzo(g,h,i)perylene
 Concen: 3.731 ng
 RT: 17.457 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF139156.D
 Acq: 23 Aug 2024 19:45

Instrument :
 BNA_F
 ClientSampleId :
 S-930-K1-SO-0.5-1-082024



Tgt Ion:	276	Resp:	8614
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.8	28.2
138	21.9	15.0	22.4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/24/2024
 Supervised By :mohammad ahmed 08/24/2024

