

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
 Data File : BF138659.D
 Acq On : 25 Jul 2024 18:21
 Operator : RC/JU
 Sample : P3357-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-857-J-SO-1.5-2-072024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
 Supervised By :mohammad ahmed 07/27/2024

Quant Time: Jul 25 18:59:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	67124	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	281271	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	150910	20.000	ng	-0.02
64) Phenanthrene-d10	11.369	188	237205	20.000	ng	-0.02
76) Chrysene-d12	14.004	240	118339	20.000	ng	-0.02
86) Perylene-d12	15.468	264	132492	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	463672	109.401	ng	-0.01
7) Phenol-d6	6.487	99	636430	112.879	ng	-0.02
23) Nitrobenzene-d5	7.416	82	403961	70.514	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	140530	99.638	ng	-0.02
45) 2-Fluorobiphenyl	9.210	172	639407	66.220	ng	-0.02
79) Terphenyl-d14	12.951	244	446603	61.482	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.392	178	42027	3.507	ng	99
75) Fluoranthene	12.580	202	44328	3.625	ng	97
78) Pyrene	12.810	202	34560	2.877	ng	99
88) Benzo(b)fluoranthene	15.045	252	17674m	2.369	ng	

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

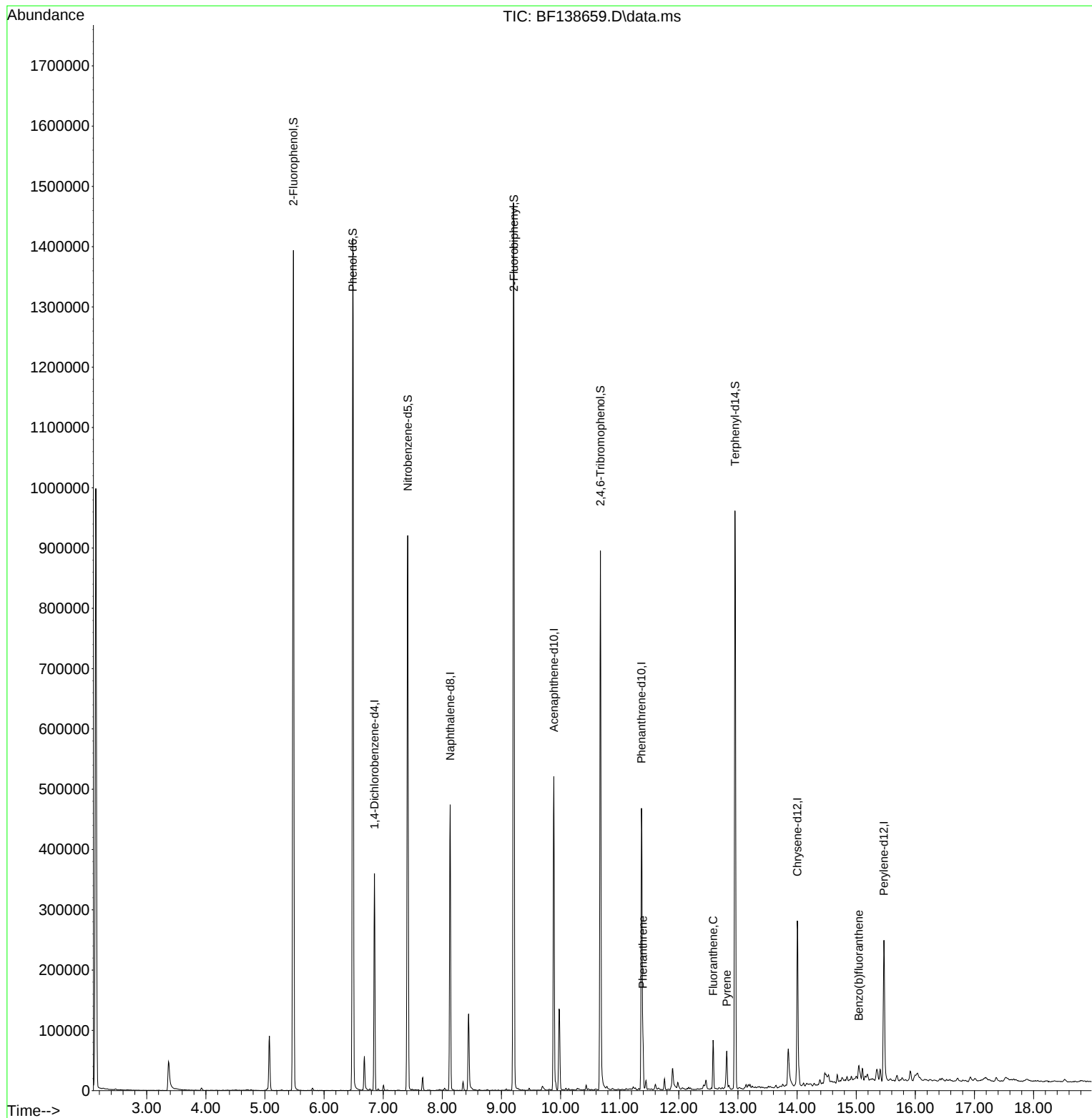
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072524\
Data File : BF138659.D
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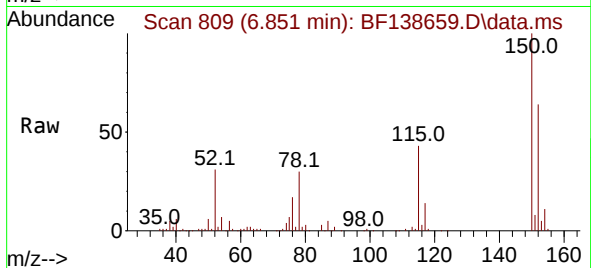
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

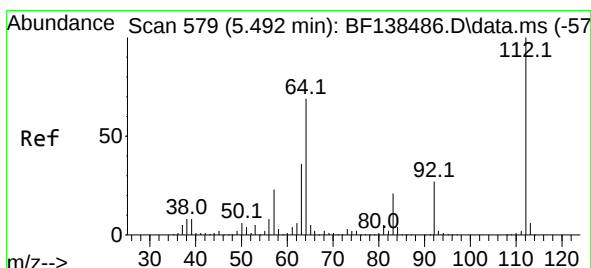
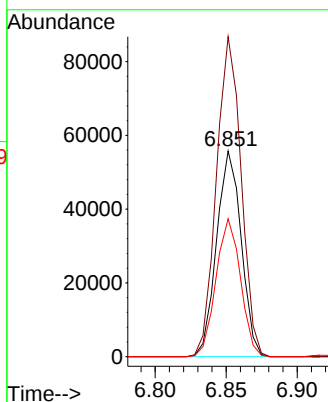
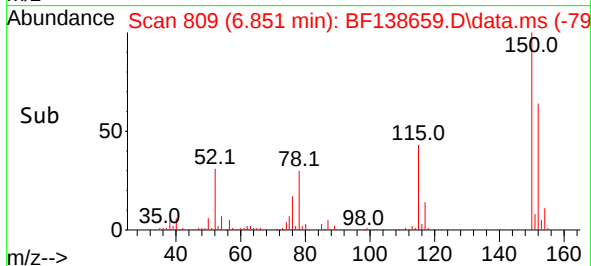
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1.5-2-072024



Tgt Ion:152 Resp: 67124
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.4
115 67.1 50.3 75.5

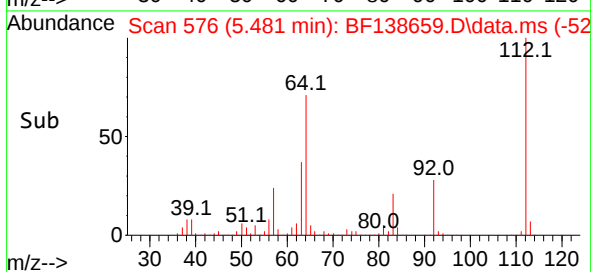
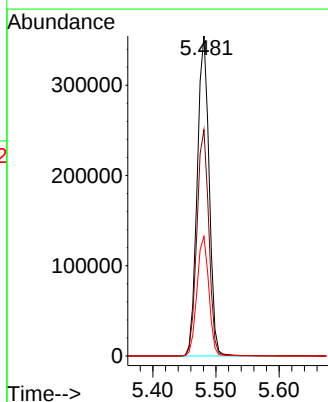
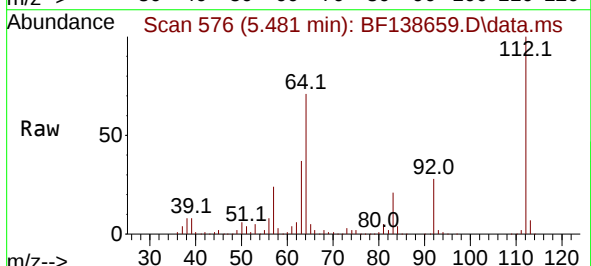
Manual Integrations
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Supervised By :mohammad ahmed 07/27/2024



#5
2-Fluorophenol
Concen: 109.401 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

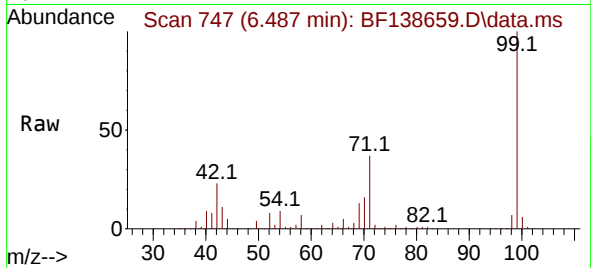
Tgt Ion:112 Resp: 463672
Ion Ratio Lower Upper
112 100
64 70.7 55.1 82.7
63 37.3 29.0 43.6





#7
Phenol-d6
Concen: 112.879 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

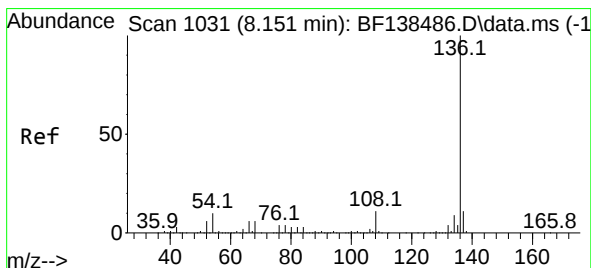
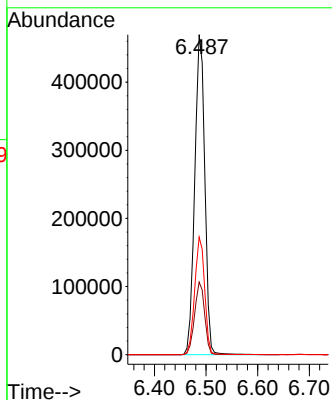
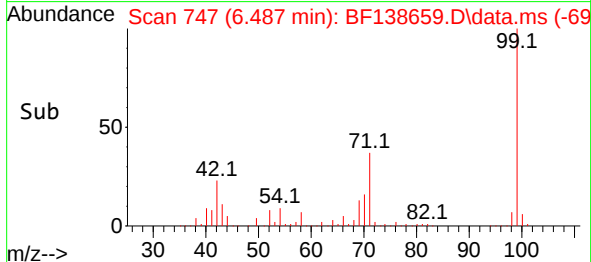
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1.5-2-072024



Tgt Ion: 99 Resp: 636430
Ion Ratio Lower Upper
99 100
42 22.7 19.7 29.5
71 36.7 29.9 44.9

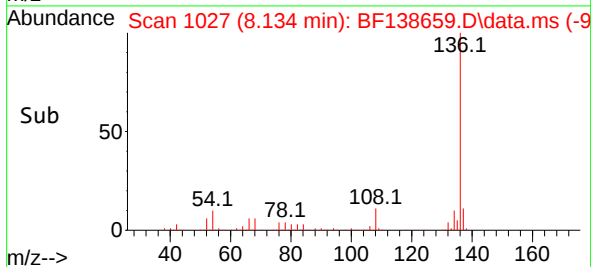
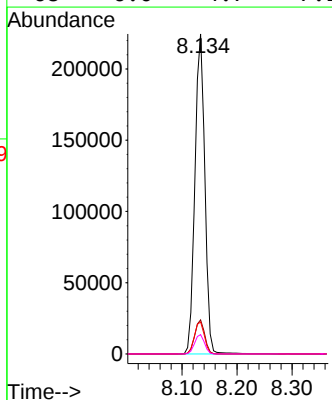
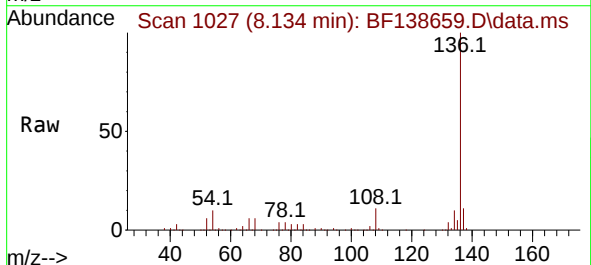
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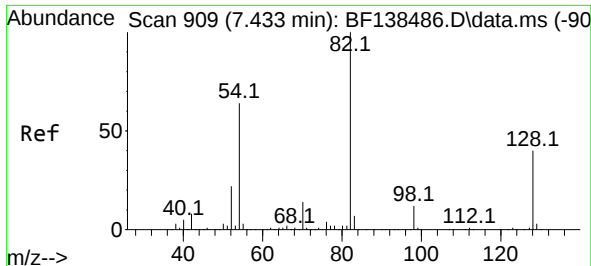
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

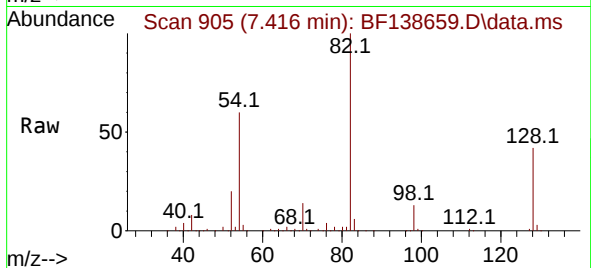
Tgt Ion:136 Resp: 281271
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.0 8.1 12.1
68 6.0 4.7 7.1





#23
Nitrobenzene-d5
Concen: 70.514 ng
RT: 7.416 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

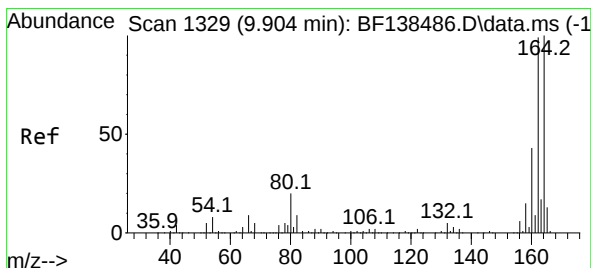
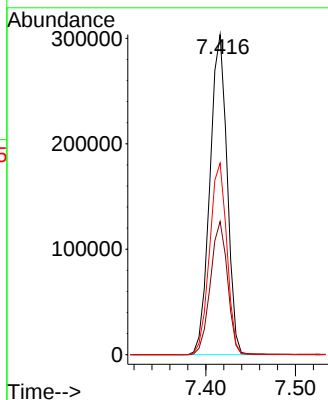
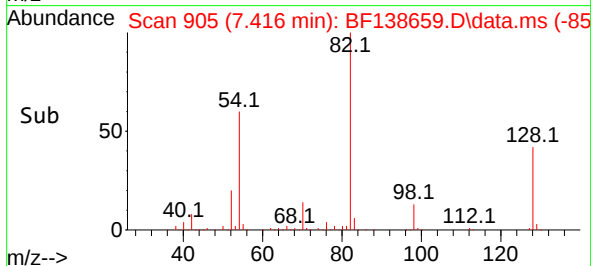
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1.5-2-072024



Tgt Ion: 82 Resp: 40396
Ion Ratio Lower Upper
82 100
128 41.6 32.3 48.5
54 59.8 51.4 77.0

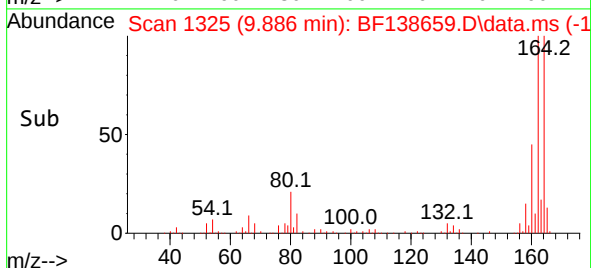
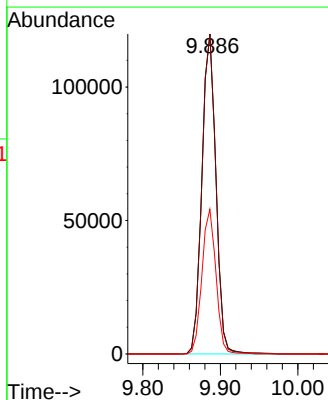
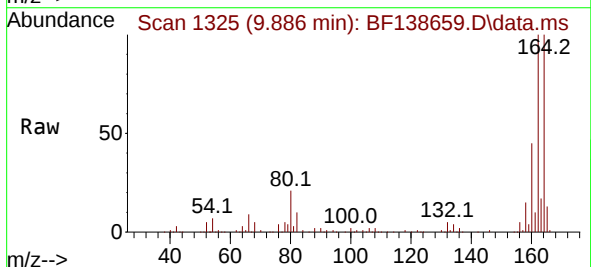
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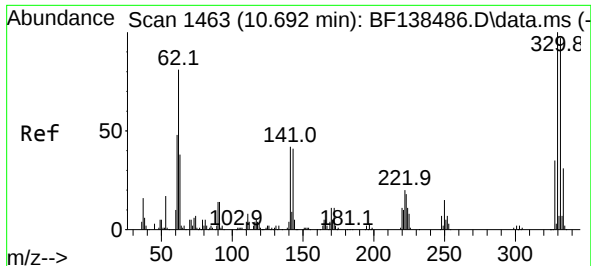
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.017 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

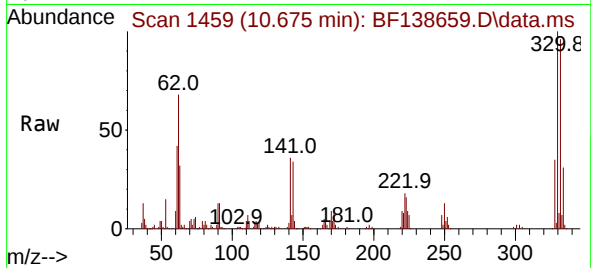
Tgt Ion:164 Resp: 150910
Ion Ratio Lower Upper
164 100
162 99.9 79.0 118.6
160 45.2 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 99.638 ng
RT: 10.675 min Scan# 1463
Delta R.T. -0.017 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

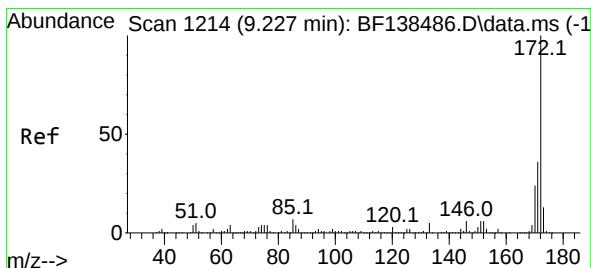
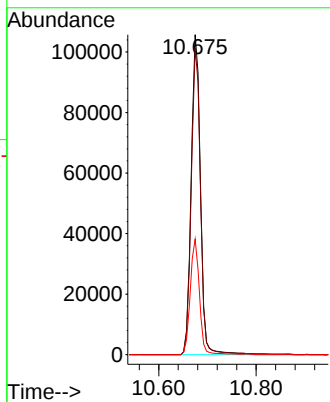
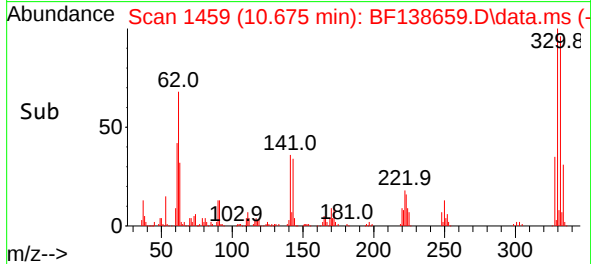
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1.5-2-072024



Tgt Ion: 330 Resp: 140530
Ion Ratio Lower Upper
330 100
332 94.5 76.8 115.2
141 35.5 29.4 44.2

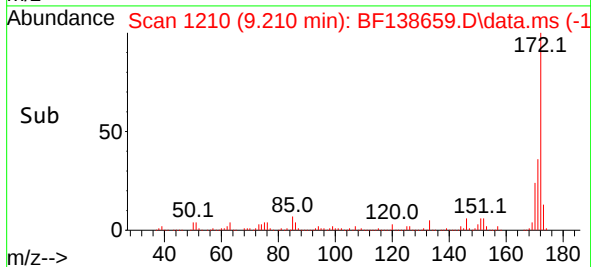
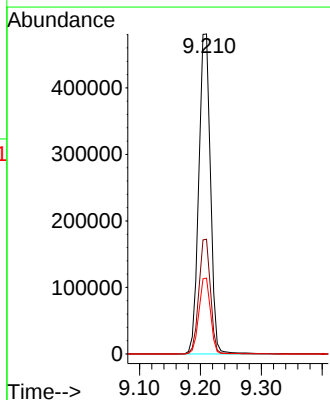
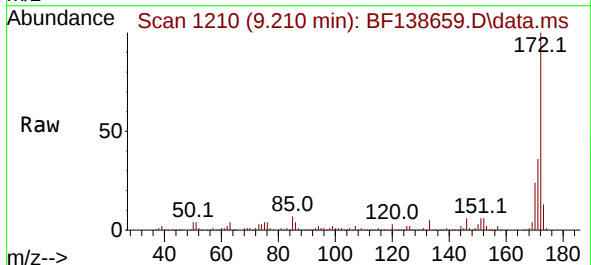
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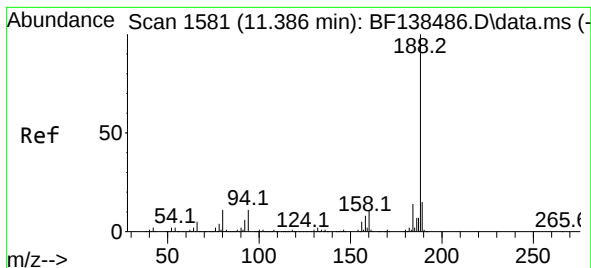
Reviewed By : Jagrut Upadhyay 07/26/2024
Supervised By : mohammad ahmed 07/27/2024



#45
2-Fluorobiphenyl
Concen: 66.220 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.018 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

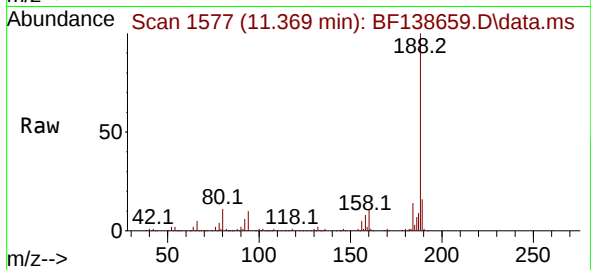
Tgt Ion: 172 Resp: 639407
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

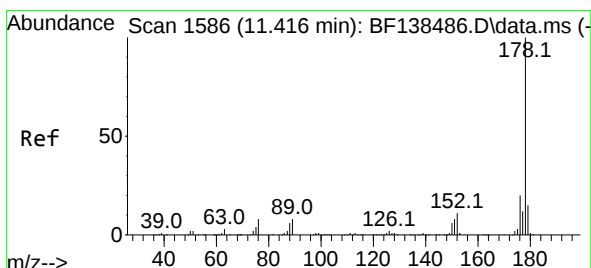
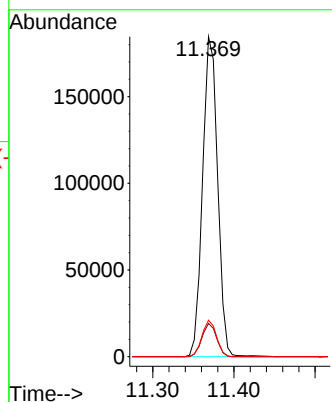
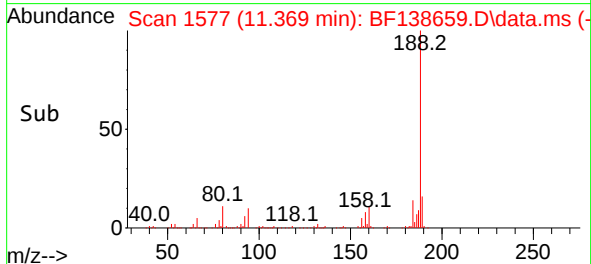
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1.5-2-072024



Tgt Ion:188 Resp: 23720
Ion Ratio Lower Upper
188 100
94 10.4 8.7 13.1
80 11.4 9.0 13.4

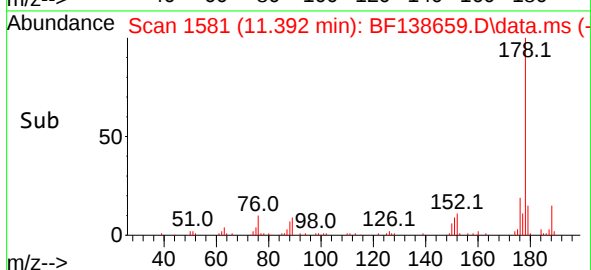
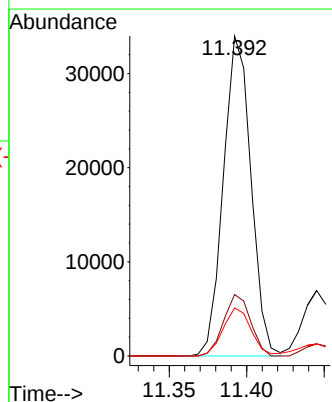
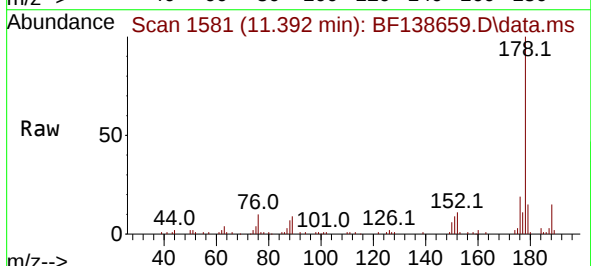
Manual Integrations
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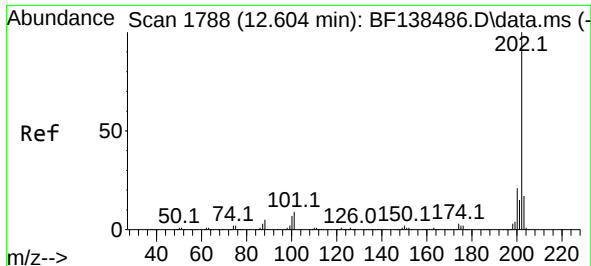
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#71
Phenanthrene
Concen: 3.507 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.023 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

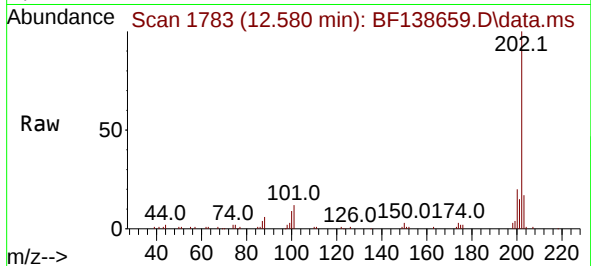
Tgt Ion:178 Resp: 42027
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.0 12.2 18.2





#75
Fluoranthene
Concen: 3.625 ng
RT: 12.580 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

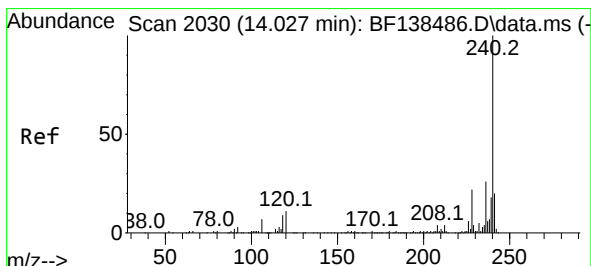
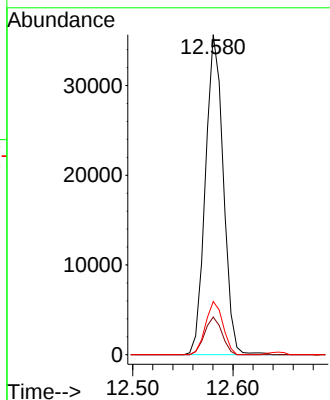
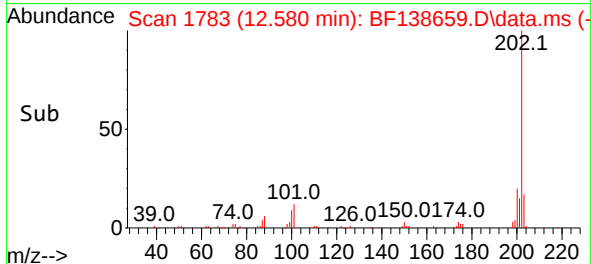
Instrument :
BNA_F
ClientSampleId :
S-857-J-SO-1.5-2-072024



Tgt Ion:202 Resp: 44328
Ion Ratio Lower Upper
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101 11.7 0.0 29.2
203 16.6 0.0 37.3

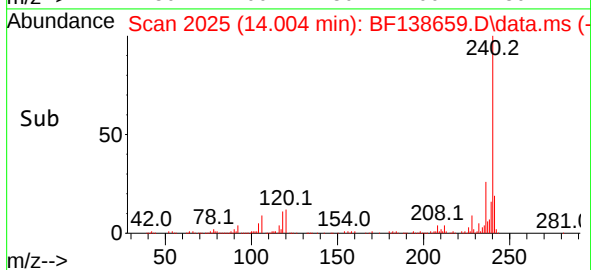
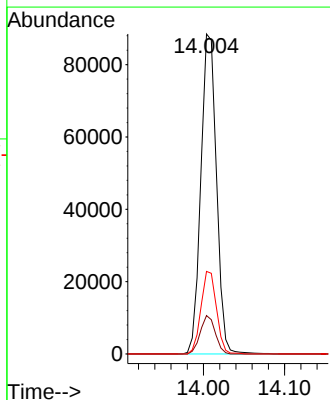
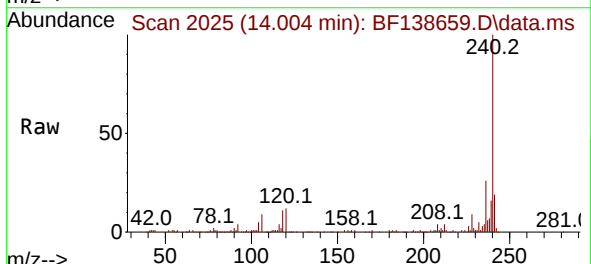
Manual Integrations
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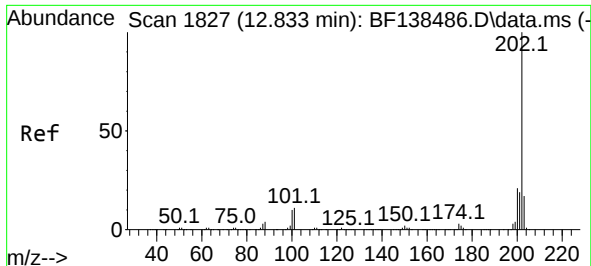
Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.023 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

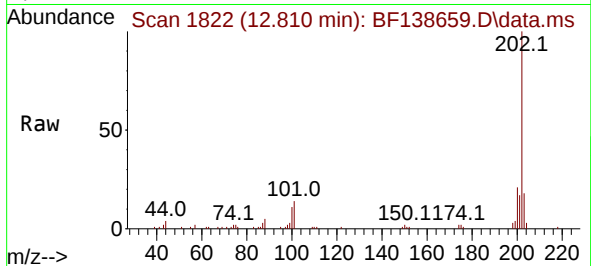
Tgt Ion:240 Resp: 118339
Ion Ratio Lower Upper
240 100
120 12.0 8.6 12.8
236 25.8 21.0 31.6





#78
Pyrene
Concen: 2.877 ng
RT: 12.810 min Scan# 1822
Delta R.T. -0.023 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21

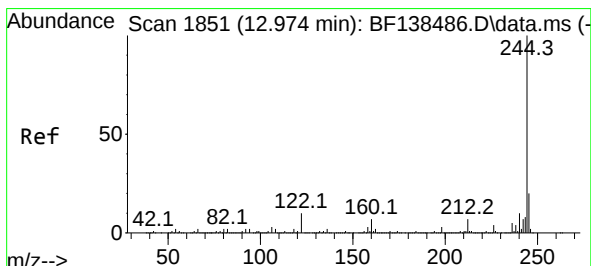
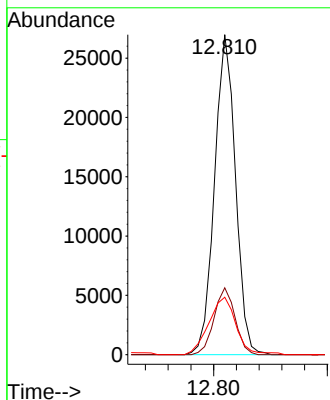
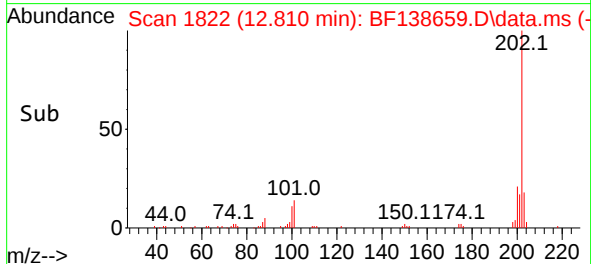
Instrument :
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S-857-J-SO-1.5-2-072024



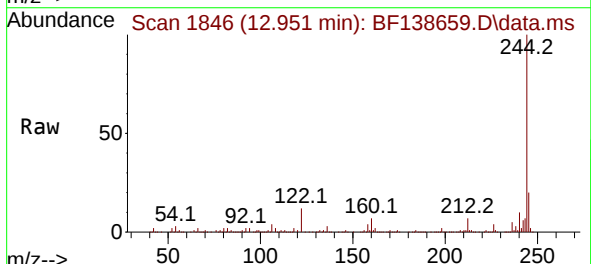
Tgt Ion:202 Resp: 34560
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 18.0 13.7 20.5

Manual Integrations
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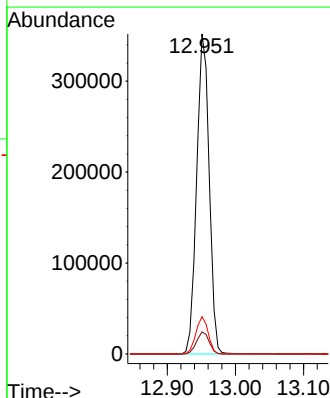
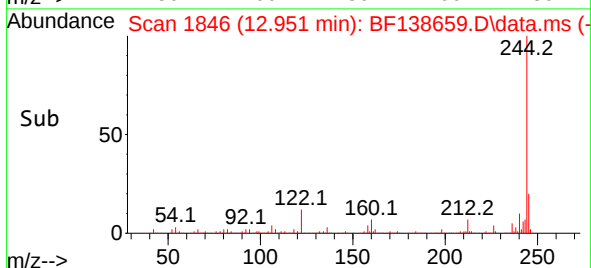
Reviewed By :Jagrut Upadhyay 07/26/2024
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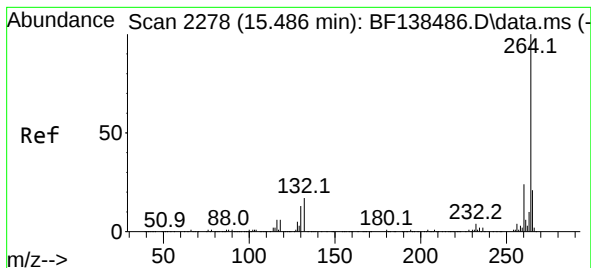


#79
Terphenyl-d14
Concen: 61.482 ng
RT: 12.951 min Scan# 1846
Delta R.T. -0.023 min
Lab File: BF138659.D
Acq: 25 Jul 2024 18:21



Tgt Ion:244 Resp: 446603
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.7 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF138659.D

Acq: 25 Jul 2024 18:21

Instrument :

BNA_F

ClientSampleId :

S-857-J-SO-1.5-2-072024

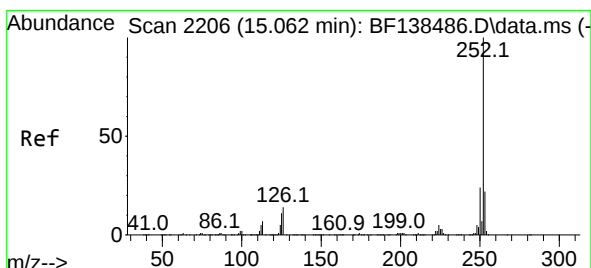
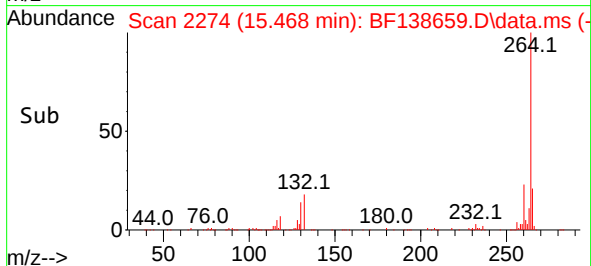
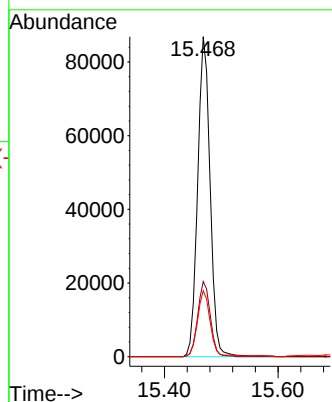
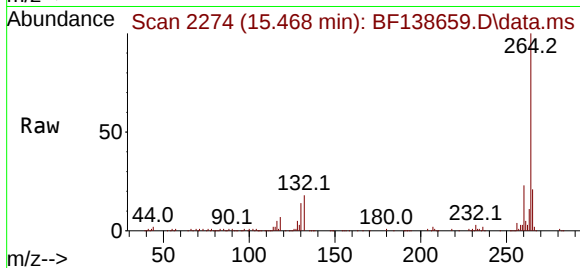
Tgt Ion:264 Resp: 132492

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	20.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/26/2024
Supervised By :mohammad ahmed 07/27/2024



#88

Benzo(b)fluoranthene

Concen: 2.369 ng m

RT: 15.045 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BF138659.D

Acq: 25 Jul 2024 18:21

Tgt Ion:252 Resp: 17674

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	13.3	8.6	13.0

