

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
 Data File : BF136922.D
 Acq On : 03 Jan 2024 22:57
 Operator : CG\JU
 Sample : 05899-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GHL-SS-08

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024

Quant Time: Jan 04 03:43:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58178	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	210435	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	93036	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	140651	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	129186	20.000	ng	0.00
86) Perylene-d12	15.445	264	135120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	353238	94.735	ng	0.00
7) Phenol-d6	6.434	99	423157	87.584	ng	0.00
23) Nitrobenzene-d5	7.345	82	254883	61.979	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	83946	76.614	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	467098	67.527	ng	-0.02
79) Terphenyl-d14	12.898	244	377516	40.838	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.081	128	38371	3.319	ng	98
58) Fluorene	10.363	166	18921	2.797	ng	# 98
71) Phenanthrene	11.327	178	75453	10.455	ng	98
72) Anthracene	11.380	178	164641	22.526	ng	99
73) Carbazole	11.545	167	55605	8.069	ng	99
75) Fluoranthene	12.527	202	74602	9.664	ng	99
78) Pyrene	12.757	202	56139	4.427	ng	97
81) Benzo(a)anthracene	13.951	228	34924	3.893	ng	96
83) Chrysene	13.986	228	32475m	3.702	ng	
84) Bis(2-ethylhexyl)phtha...	13.945	149	85450	14.718	ng	# 96
88) Benzo(b)fluoranthene	15.010	252	38432m	4.258	ng	
90) Benzo(a)pyrene	15.380	252	26414	3.467	ng	# 90

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

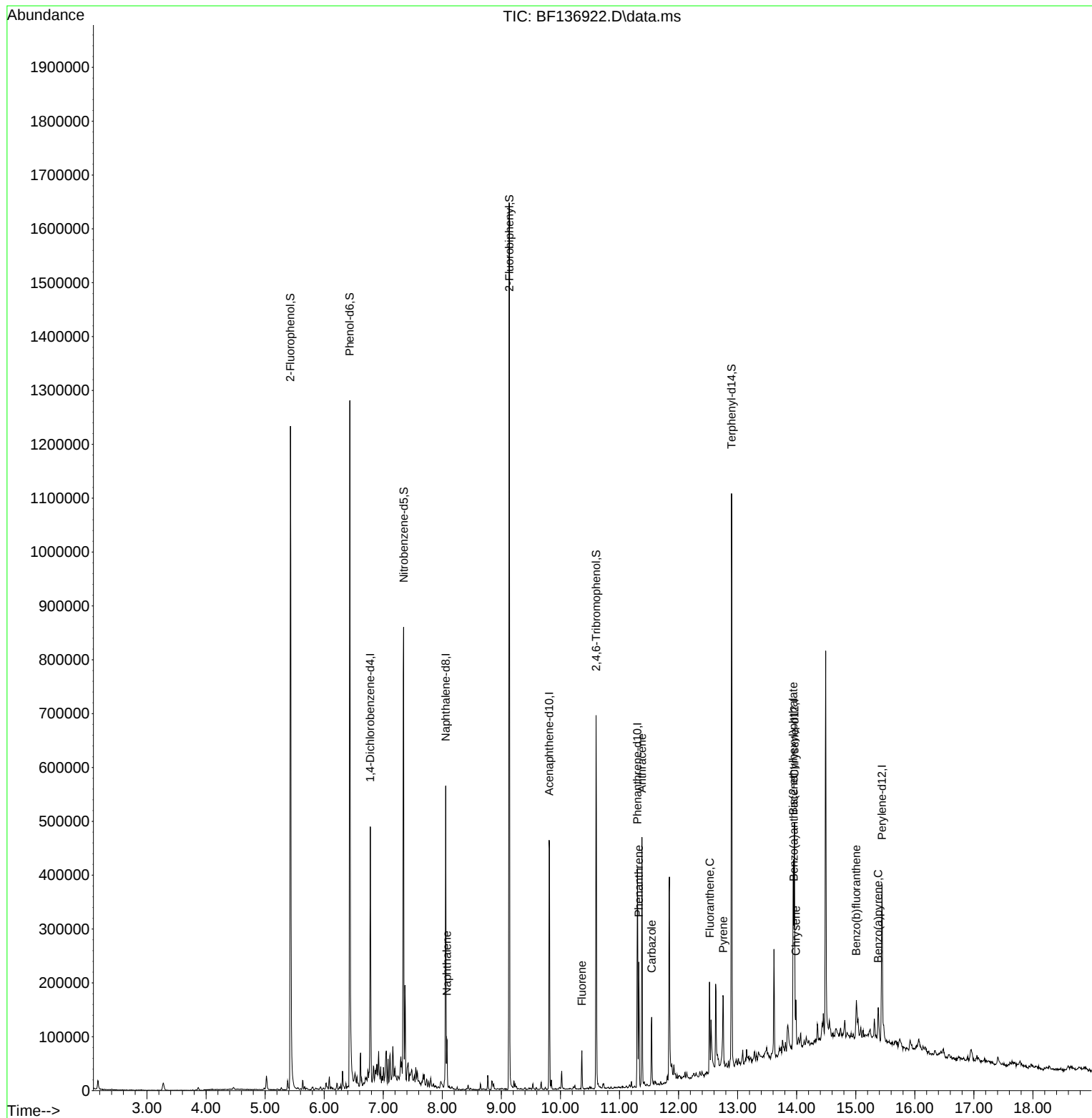
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010324\
Data File : BF136922.D
Acq On : 03 Jan 2024 22:57
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Sample : 05899-01
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ALS Vial : 13 Sample Multiplier: 1

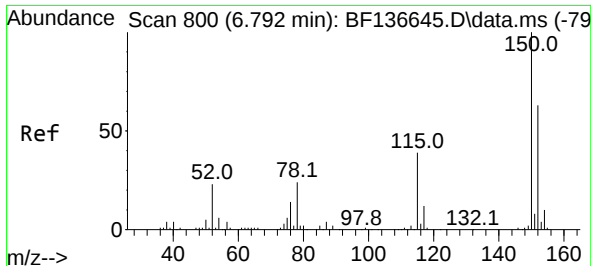
Instrument :
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ClientSampleId :
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Quant Time: Jan 04 03:43:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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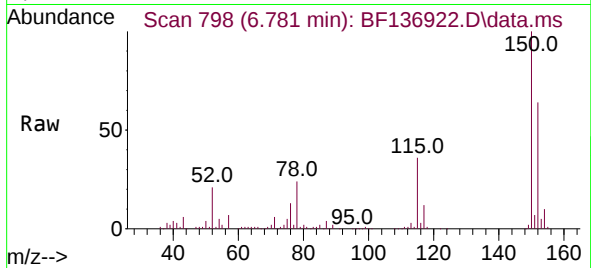
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

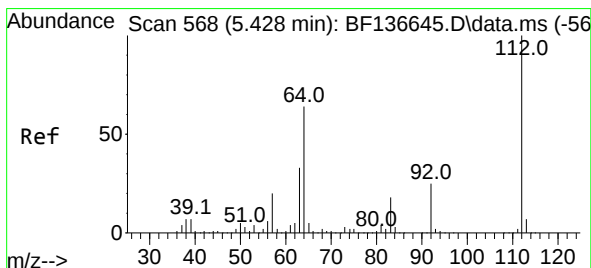
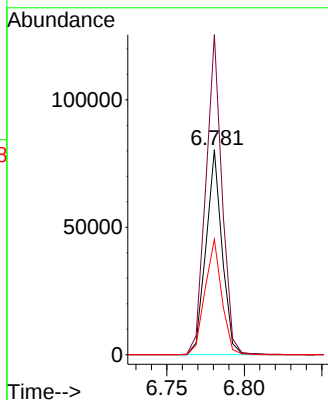
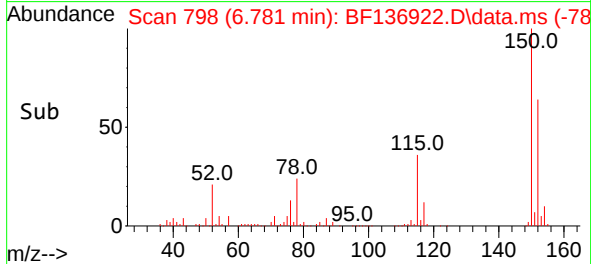
Instrument :
BNA_F
ClientSampleId :
GHL-SS-08



Tgt Ion:152 Resp: 58178
Ion Ratio Lower Upper
152 100
150 156.1 127.0 190.6
115 56.3 49.0 73.4

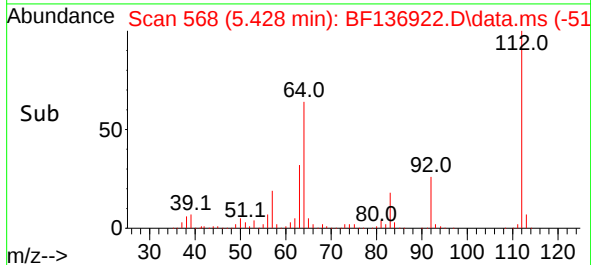
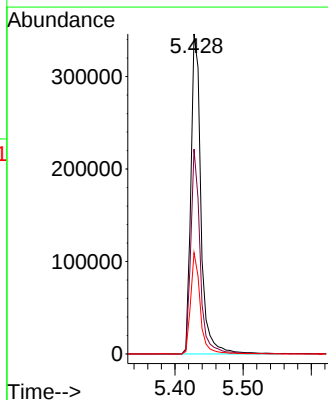
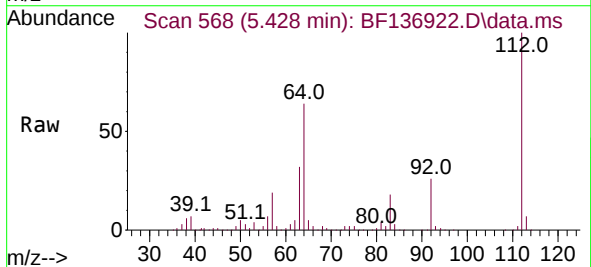
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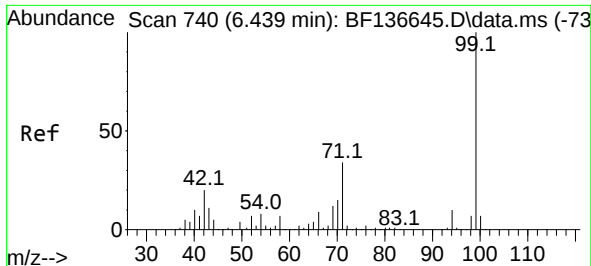
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#5
2-Fluorophenol
Concen: 94.735 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

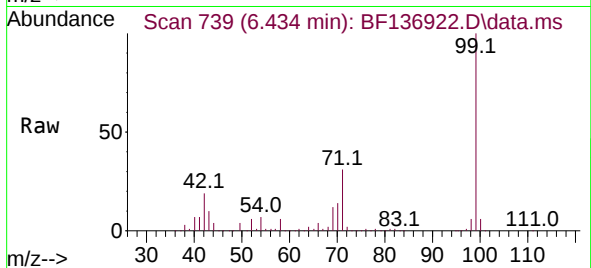
Tgt Ion:112 Resp: 353238
Ion Ratio Lower Upper
112 100
64 64.0 51.1 76.7
63 31.7 26.1 39.1





#7
Phenol-d6
Concen: 87.584 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

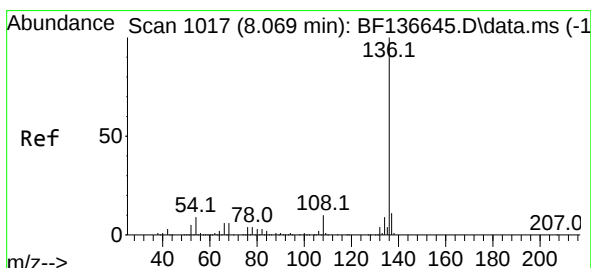
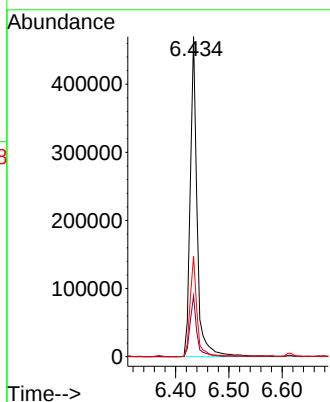
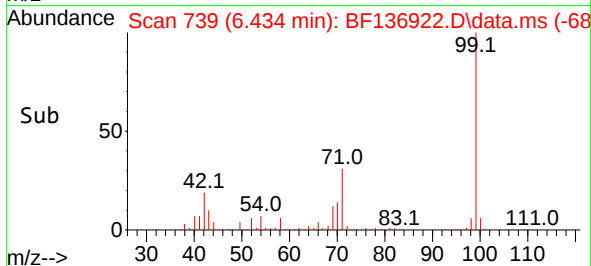
Instrument :
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ClientSampleId :
GHL-SS-08



Tgt Ion: 99 Resp: 42315
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 31.4 27.4 41.2

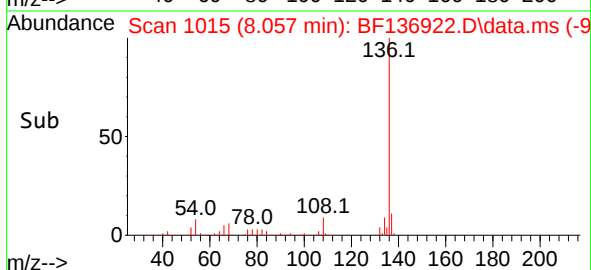
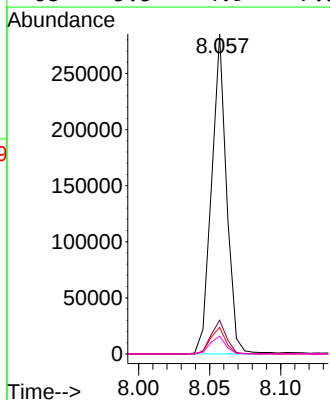
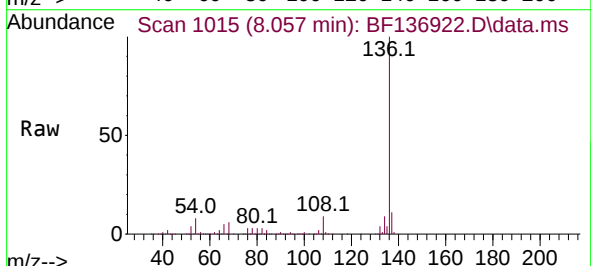
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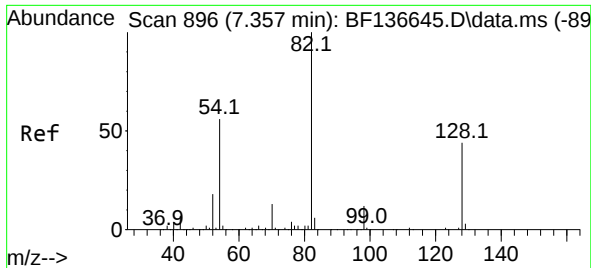
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:136 Resp: 210435
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 8.3 7.2 10.8
68 5.5 4.9 7.3





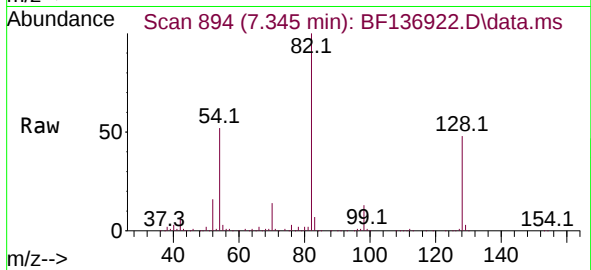
#23
Nitrobenzene-d5
Concen: 61.979 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

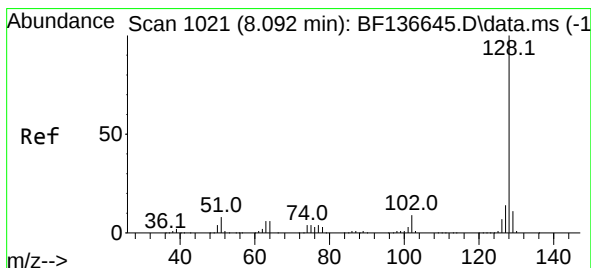
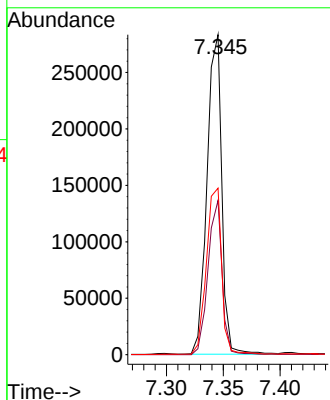
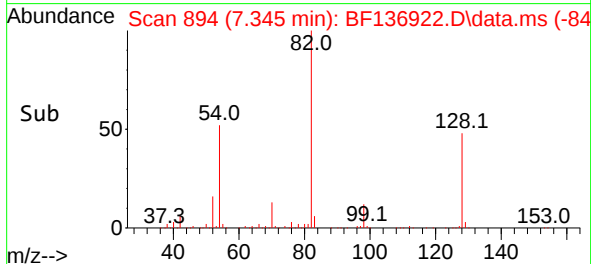


Tgt Ion: 82 Resp: 25488
Ion Ratio Lower Upper
82 100
128 48.2 35.3 52.9
54 52.1 44.5 66.7

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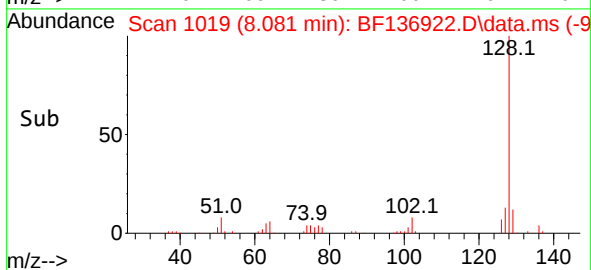
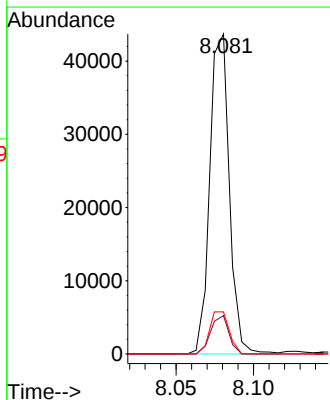
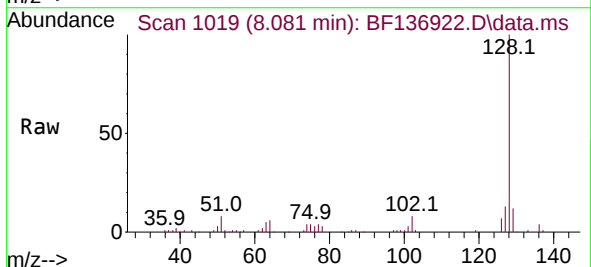
APPROVED

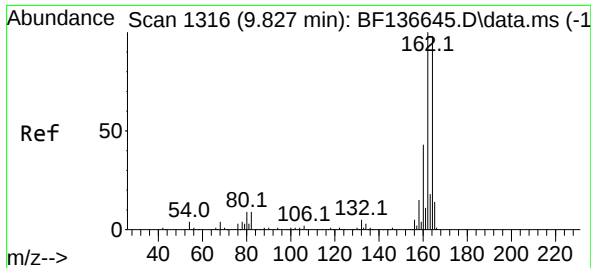
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#31
Naphthalene
Concen: 3.319 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

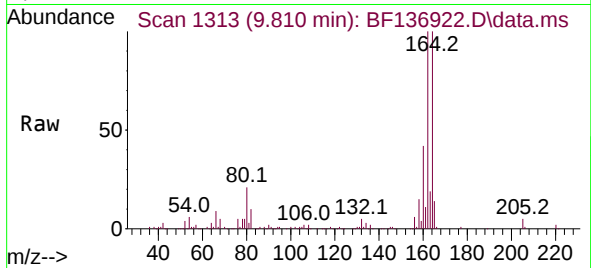
Tgt Ion:128 Resp: 38371
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.2 10.8 16.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

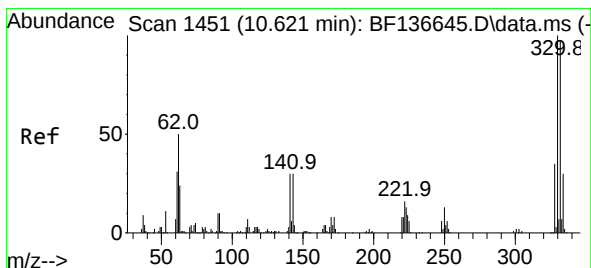
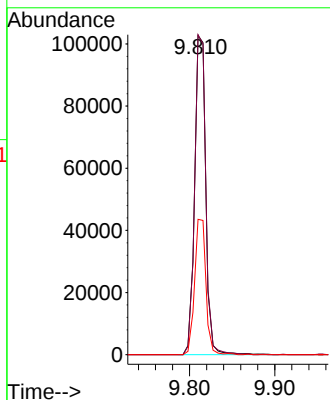
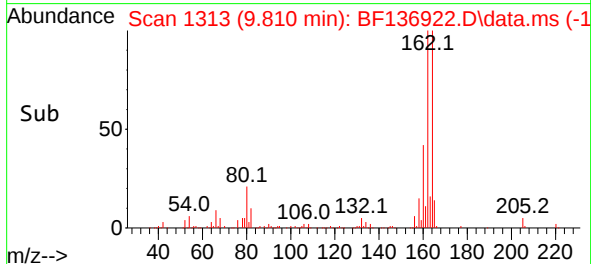
Instrument :
BNA_F
ClientSampleId :
GHL-SS-08



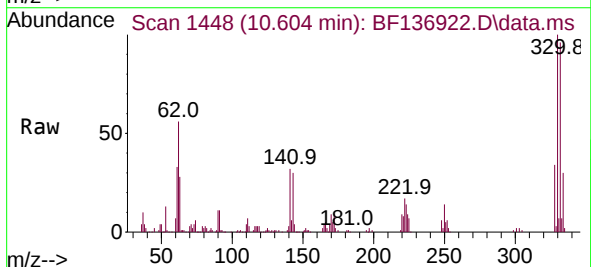
Tgt Ion:164 Resp: 93036
Ion Ratio Lower Upper
164 100
162 100.3 81.6 122.4
160 42.4 34.9 52.3

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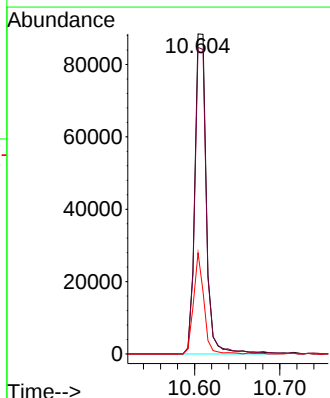
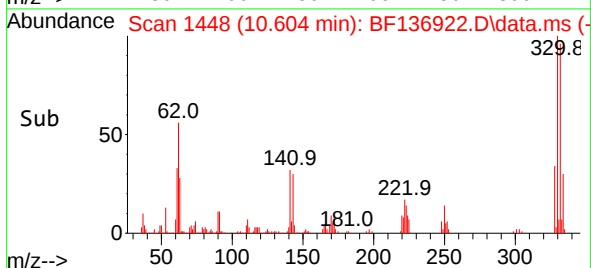
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024

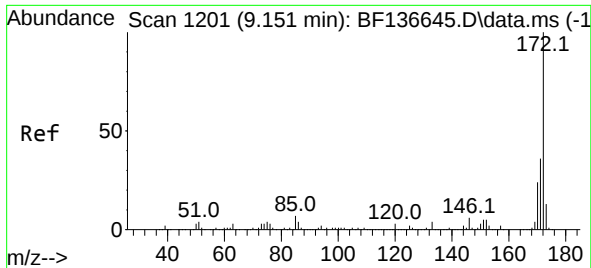


#42
2,4,6-Tribromophenol
Concen: 76.614 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57



Tgt Ion:330 Resp: 83946
Ion Ratio Lower Upper
330 100
332 95.3 77.4 116.0
141 27.7 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 67.527 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

Tgt Ion:172 Resp: 467098

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.6

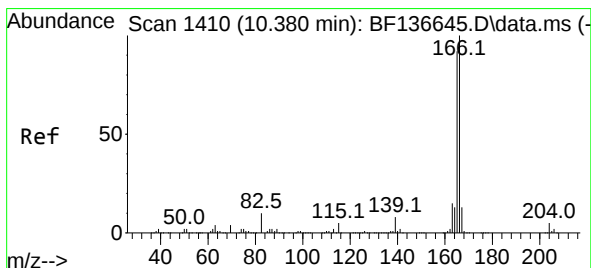
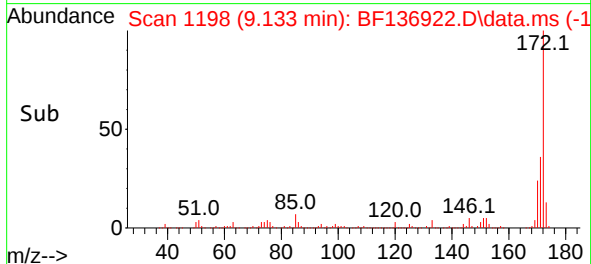
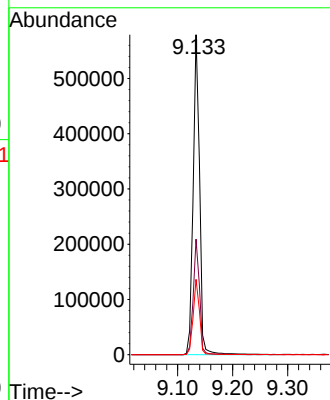
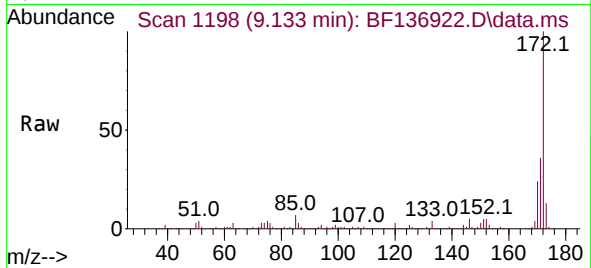
170 23.6 19.0 28.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#58

Fluorene

Concen: 2.797 ng

RT: 10.363 min Scan# 1407

Delta R.T. -0.018 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

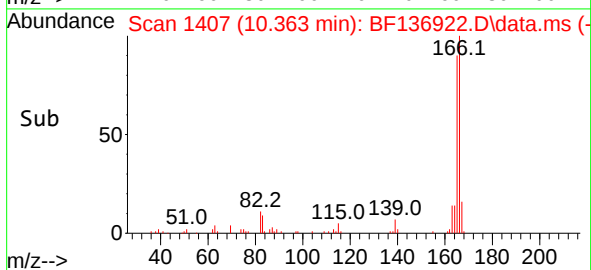
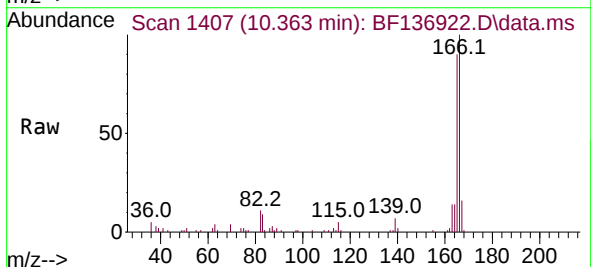
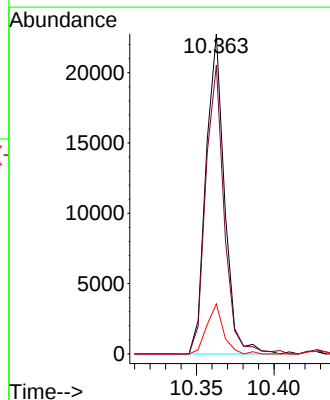
Tgt Ion:166 Resp: 18921

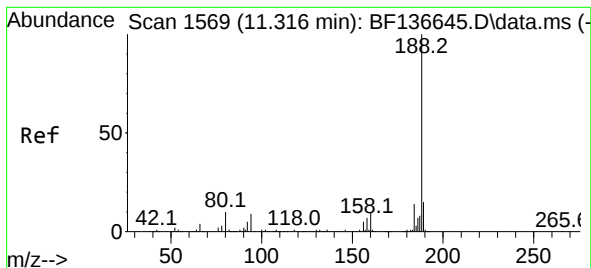
Ion Ratio Lower Upper

166 100

165 90.3 73.7 110.5

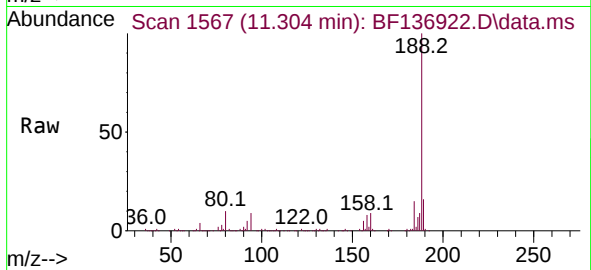
167 15.6 10.4 15.6#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

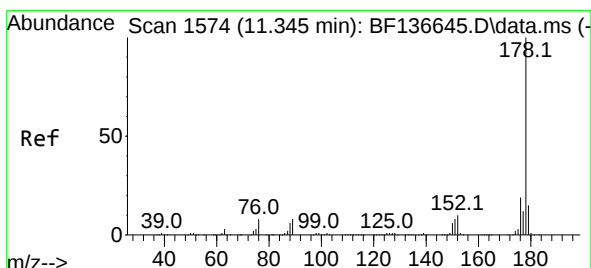
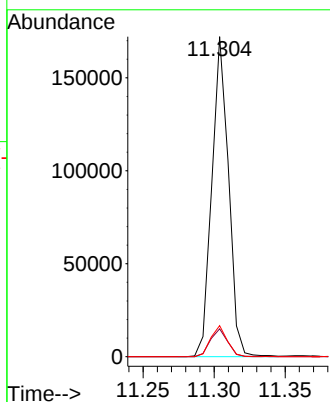
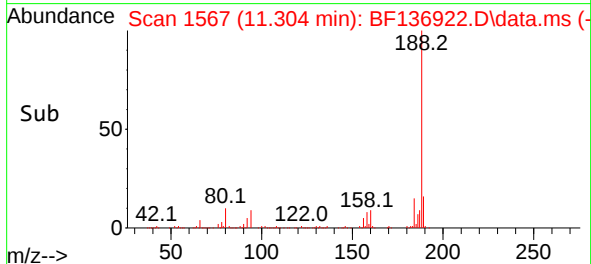
Instrument :
BNA_F
ClientSampleId :
GHL-SS-08



Tgt Ion:188 Resp: 14065
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 9.7 8.1 12.1

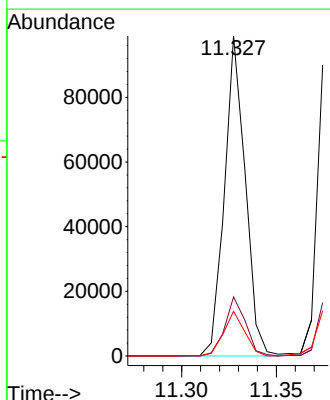
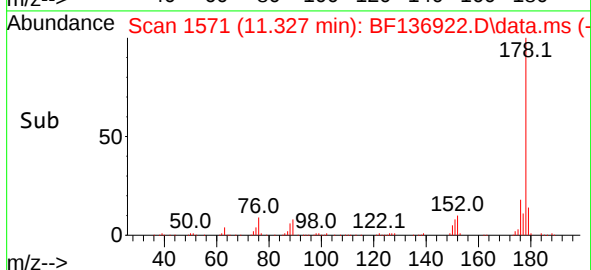
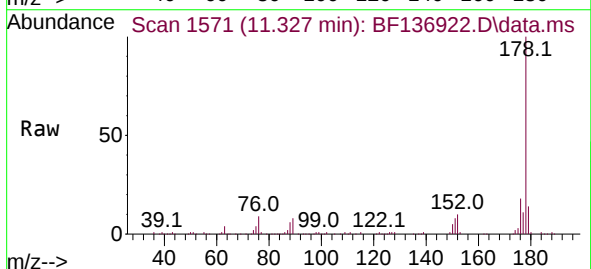
Manual Integrations
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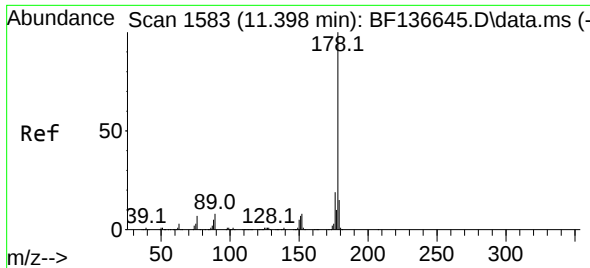
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#71
Phenanthrene
Concen: 10.455 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.018 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

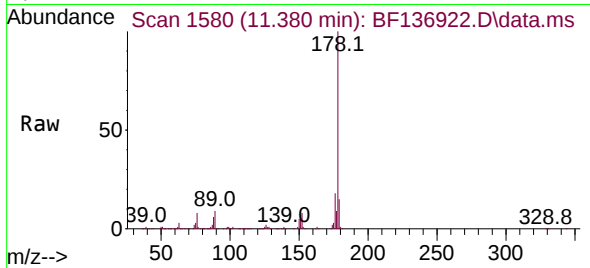
Tgt Ion:178 Resp: 75453
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.0 11.9 17.9





#72
 Anthracene
 Concen: 22.526 ng
 RT: 11.380 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF136922.D
 Acq: 03 Jan 2024 22:57

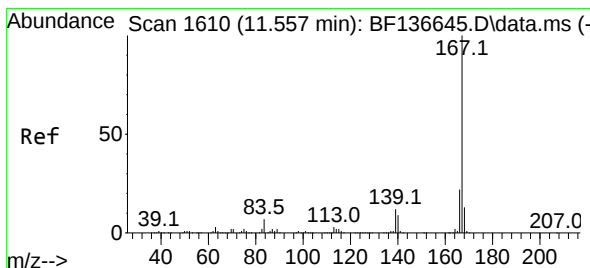
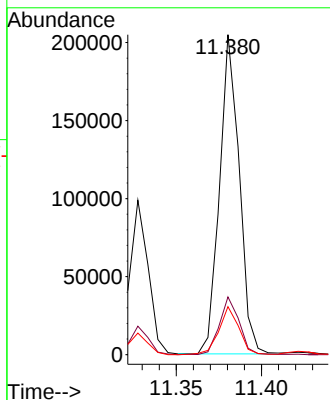
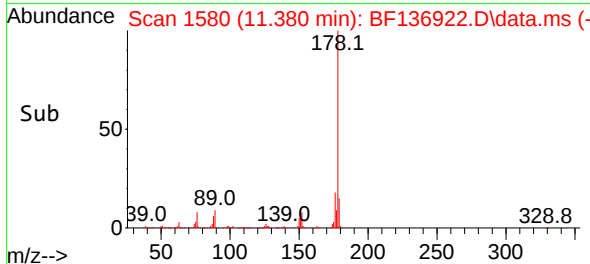
Instrument :
 BNA_F
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 GHL-SS-08



Tgt Ion:178 Resp: 16464
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.9 22.3
 179 15.0 11.8 17.6

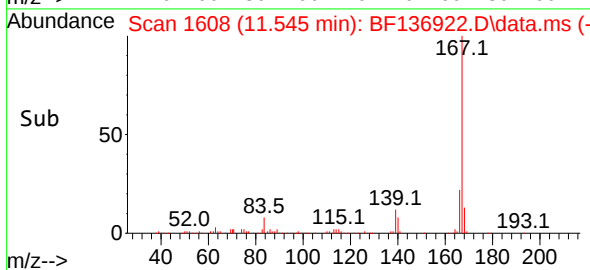
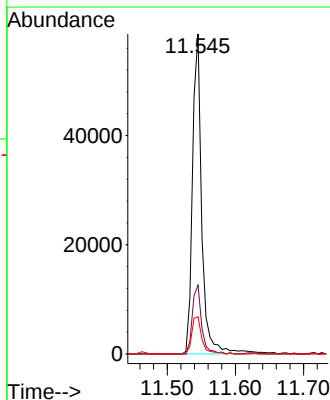
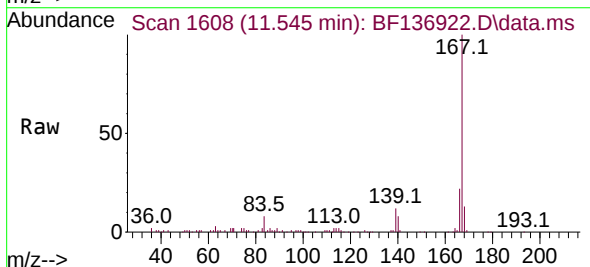
Manual Integrations
 APPROVED

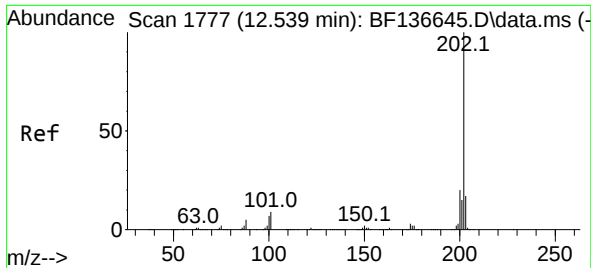
Reviewed By :Yogesh Patel 01/04/2024
 Supervised By :mohammad ahmed 01/04/2024



#73
 Carbazole
 Concen: 8.069 ng
 RT: 11.545 min Scan# 1608
 Delta R.T. -0.012 min
 Lab File: BF136922.D
 Acq: 03 Jan 2024 22:57

Tgt Ion:167 Resp: 55605
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.3 25.9
 139 11.6 9.8 14.6





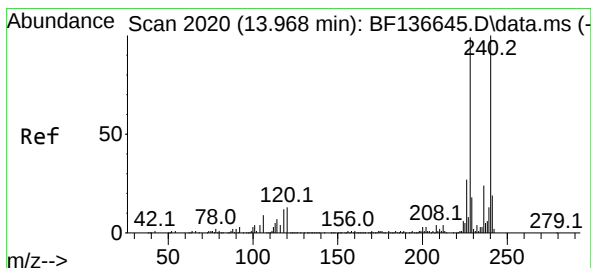
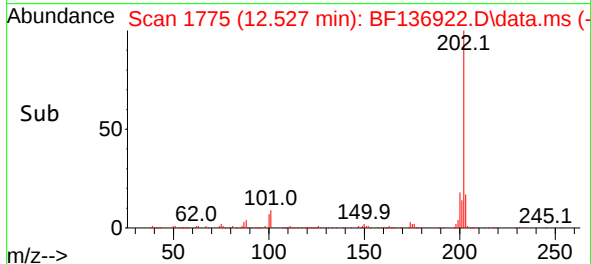
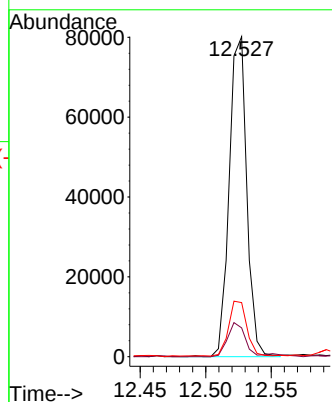
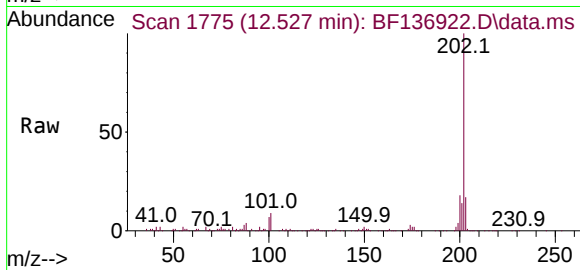
#75
Fluoranthene
Concen: 9.664 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Instrument :
BNA_F
ClientSampleId :
GHL-SS-08

Tgt Ion:202 Resp: 7460
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.3
203 16.9 0.0 37.1

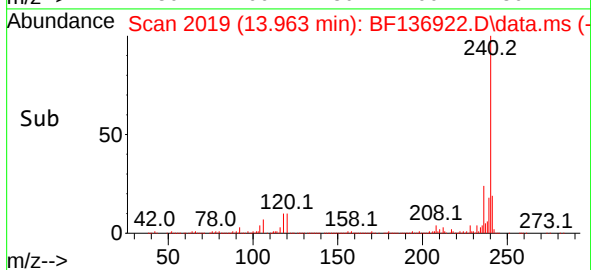
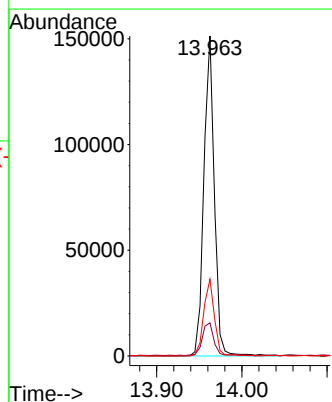
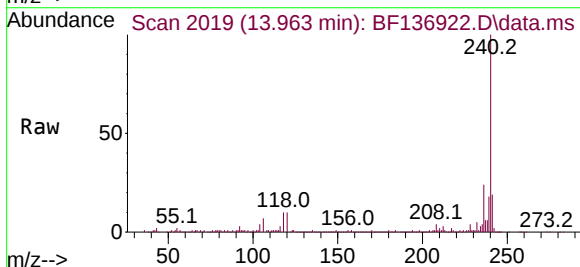
Manual Integrations
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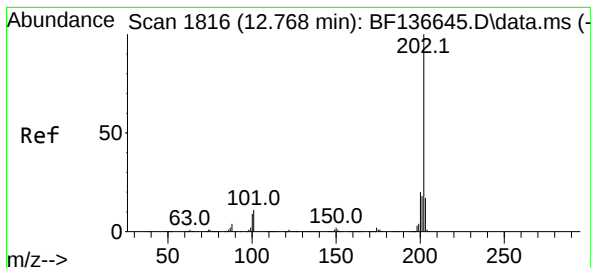
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:240 Resp: 129186
Ion Ratio Lower Upper
240 100
120 10.3 10.3 15.5
236 24.0 19.4 29.2





#78

Pyrene

Concen: 4.427 ng

RT: 12.757 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

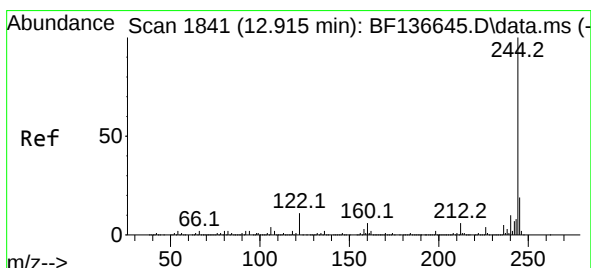
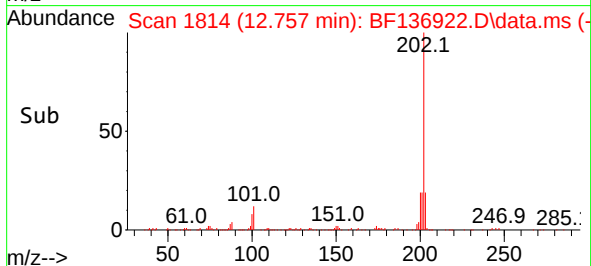
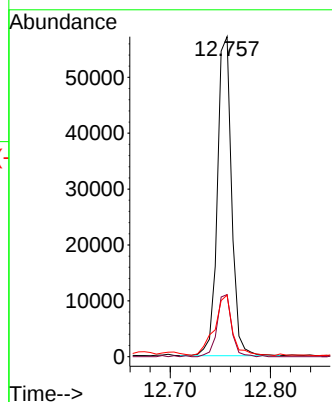
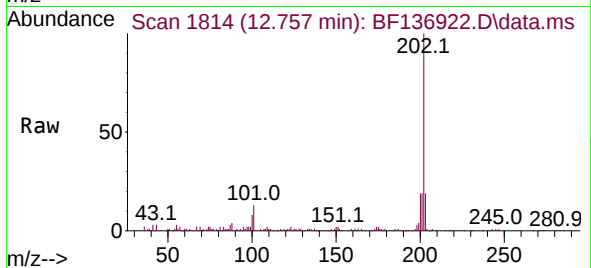
Tgt Ion:202 Resp: 56139
 Ion Ratio Lower Upper
 202 100
 200 19.4 15.9 23.9
 203 19.3 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#79

Terphenyl-d14

Concen: 40.838 ng

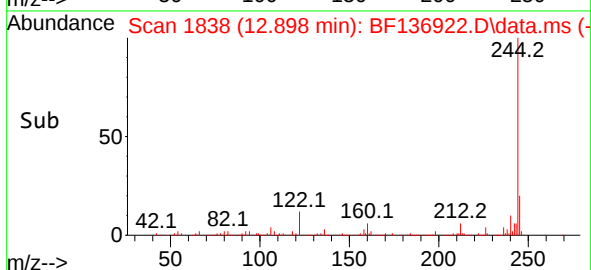
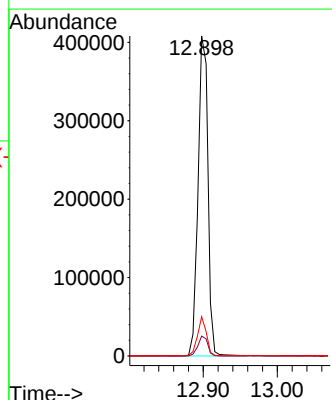
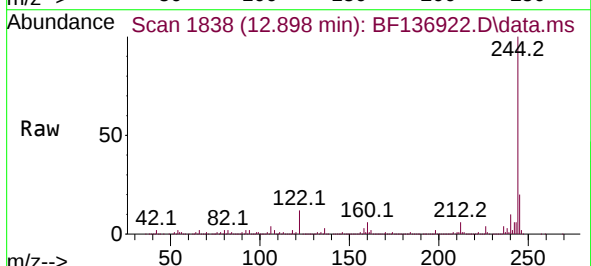
RT: 12.898 min Scan# 1838

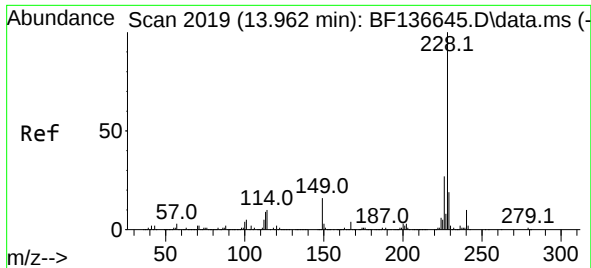
Delta R.T. -0.018 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Tgt Ion:244 Resp: 377516
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 12.3 9.0 13.4





#81
Benzo(a)anthracene
Concen: 3.893 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

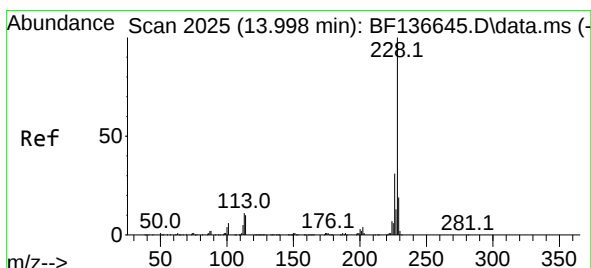
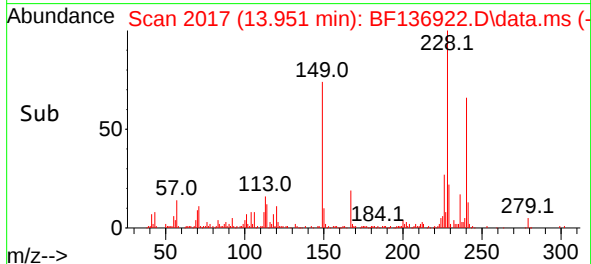
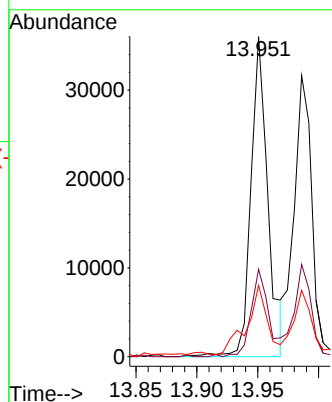
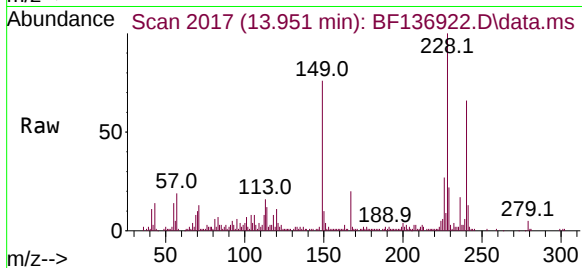
GHL-SS-08

Tgt Ion:228 Resp: 34924
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 22.3 14.9 22.3

Manual Integrations

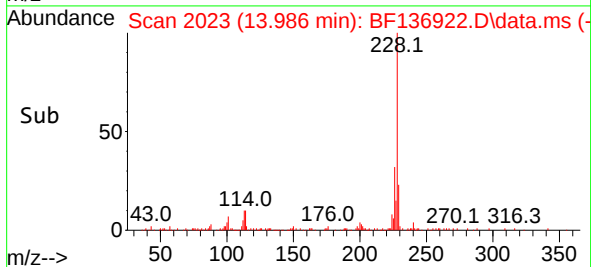
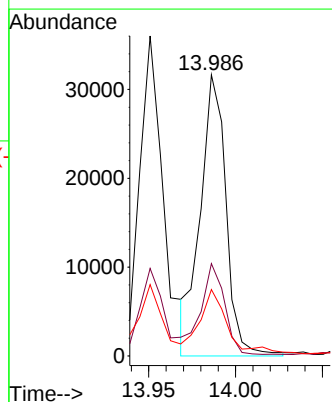
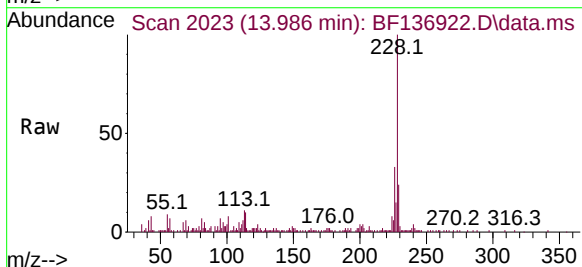
APPROVED

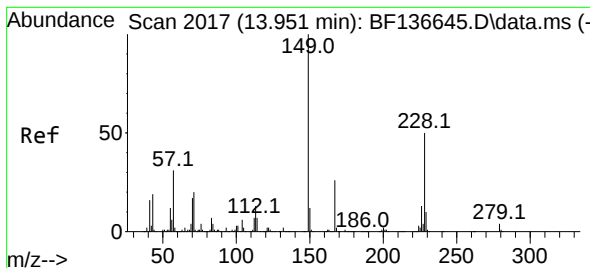
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#83
Chrysene
Concen: 3.702 ng m
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:228 Resp: 32475
Ion Ratio Lower Upper
228 100
226 32.8 24.7 37.1
229 23.6 15.4 23.0#





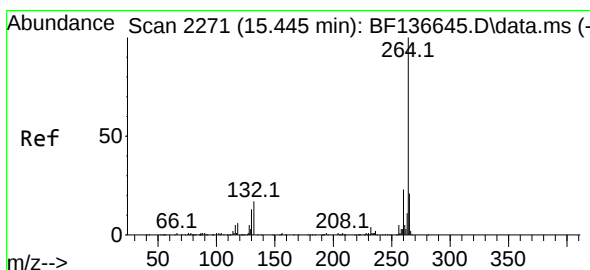
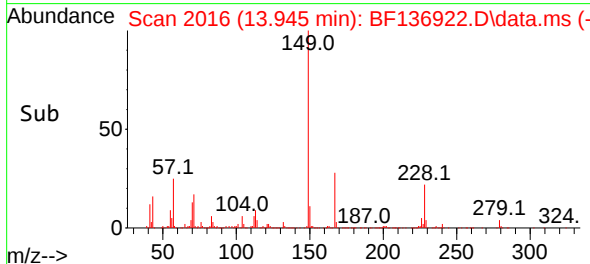
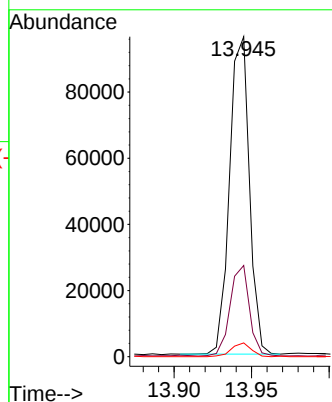
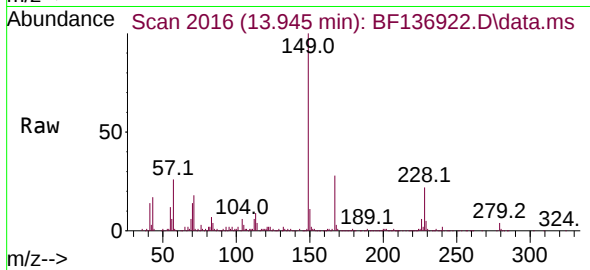
#84
Bis(2-ethylhexyl)phthalate
Concen: 14.718 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Instrument :
BNA_F
ClientSampleId :
GHL-SS-08

Tgt Ion:149 Resp: 85450
Ion Ratio Lower Upper
149 100
167 28.5 20.9 31.3
279 4.3 2.9 4.3

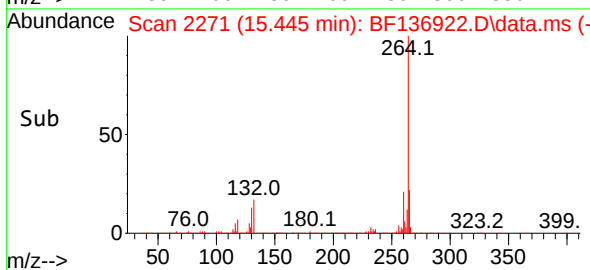
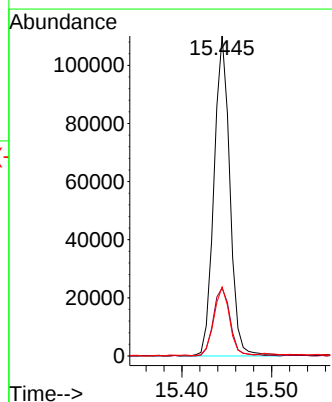
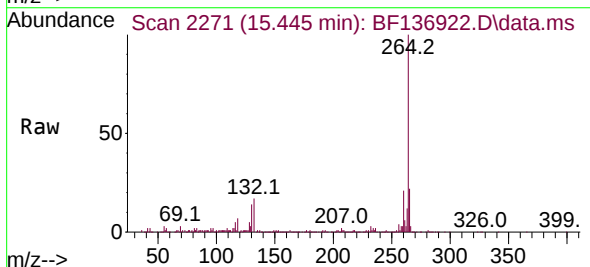
Manual Integrations
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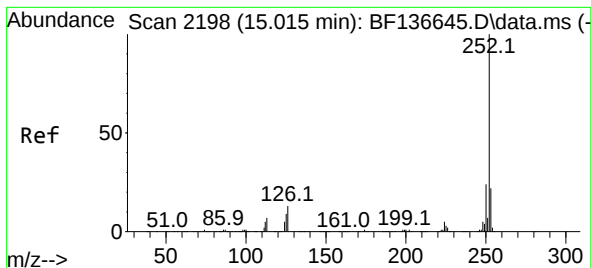
Reviewed By :Yogesh Patel 01/04/2024
Supervised By :mohammad ahmed 01/04/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136922.D
Acq: 03 Jan 2024 22:57

Tgt Ion:264 Resp: 135120
Ion Ratio Lower Upper
264 100
260 21.3 18.3 27.5
265 21.5 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 4.258 ng m

RT: 15.010 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Instrument :

BNA_F

ClientSampleId :

GHL-SS-08

Tgt Ion:252 Resp: 3843

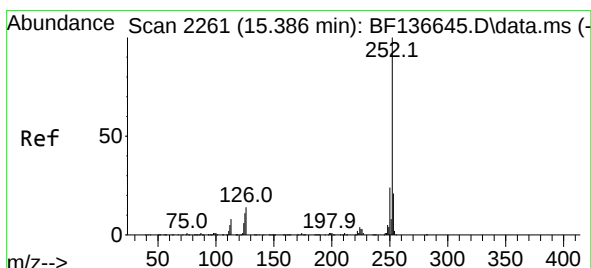
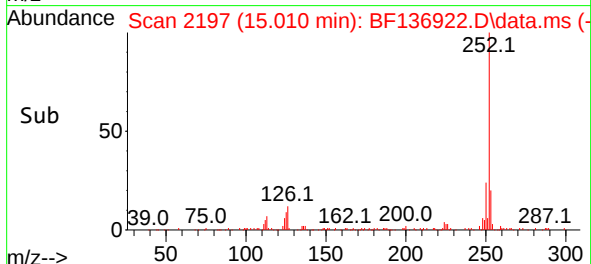
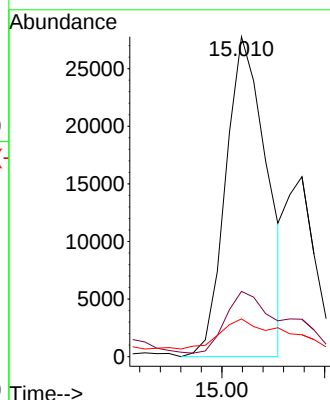
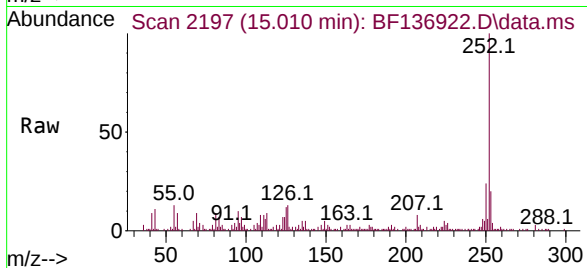
Ion	Ratio	Lower	Upper
252	100		
253	20.4	17.4	26.0
125	11.8	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/04/2024

Supervised By :mohammad ahmed 01/04/2024



#90

Benzo(a)pyrene

Concen: 3.467 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.006 min

Lab File: BF136922.D

Acq: 03 Jan 2024 22:57

Tgt Ion:252 Resp: 26414

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.6
125	15.6	8.8	13.2

