

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139950.D
 Acq On : 23 Oct 2024 01:36
 Operator : RC/JU
 Sample : P4443-06 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 02:46:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	126729	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	413406	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	214433	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	434105	20.000	ng	0.00
76) Chrysene-d12	14.057	240	297075	20.000	ng	0.00
86) Perylene-d12	15.539	264	248975	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	239981	29.645	ng	0.00
7) Phenol-d6	6.504	99	331426	31.611	ng	0.00
23) Nitrobenzene-d5	7.445	82	194813	26.118	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	105372	52.535	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	410297	31.623	ng	0.00
79) Terphenyl-d14	12.998	244	600437	32.934	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	71781	6.384	ng	99
55) Dibenzofuran	10.128	168	46860	2.905	ng	# 96
58) Fluorene	10.475	166	70419	5.731	ng	99
71) Phenanthrene	11.439	178	1694578	82.641	ng	99
72) Anthracene	11.486	178	349563	17.472	ng	99
73) Carbazole	11.639	167	92423	4.967	ng	98
75) Fluoranthene	12.633	202	2260015	109.026	ng	99
78) Pyrene	12.863	202	2317937	89.138	ng	97
81) Benzo(a)anthracene	14.045	228	1187521	61.407	ng	98
83) Chrysene	14.086	228	931979	52.562	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	56762	6.489	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.033	276	339238	21.180	ng	95
88) Benzo(b)fluoranthene	15.104	252	858334m	56.594	ng	
89) Benzo(k)fluoranthene	15.121	252	269530m	20.607	ng	
90) Benzo(a)pyrene	15.474	252	559509	44.834	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	94062	7.040	ng	94
92) Benzo(g,h,i)perylene	17.486	276	334573	25.068	ng	99

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

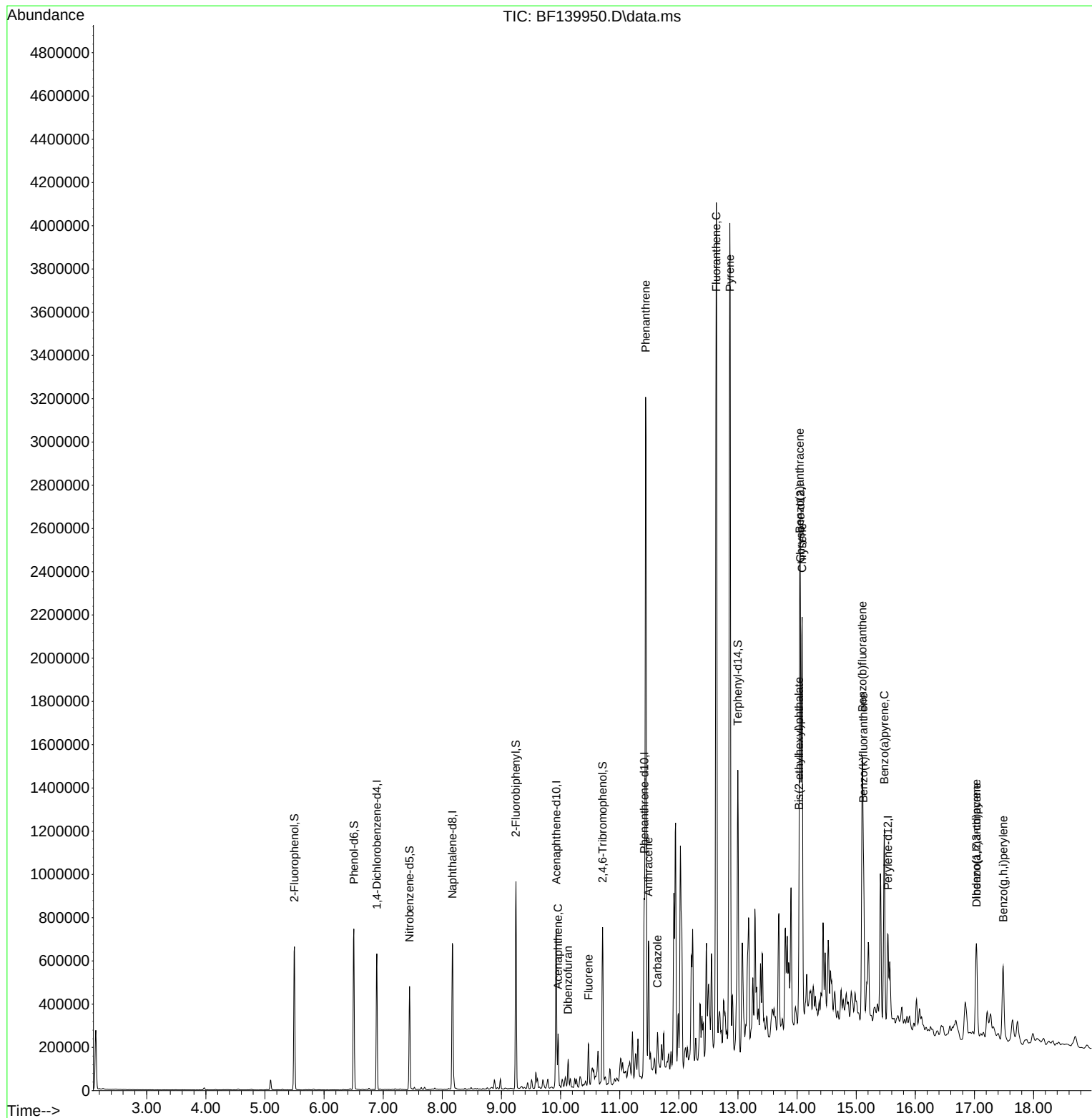
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
Data File : BF139950.D
Acq On : 23 Oct 2024 01:36
Operator : RC/JU
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ALS Vial : 25 Sample Multiplier: 1

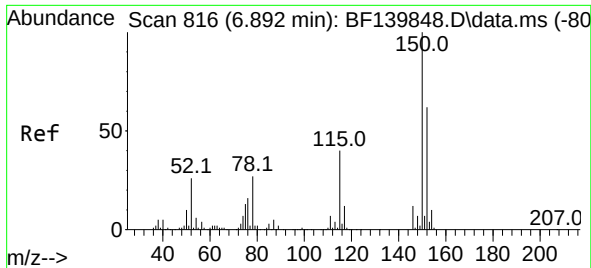
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30

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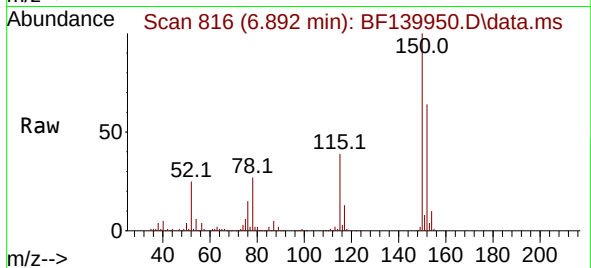
Quant Time: Oct 23 02:46:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 15:07:50 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

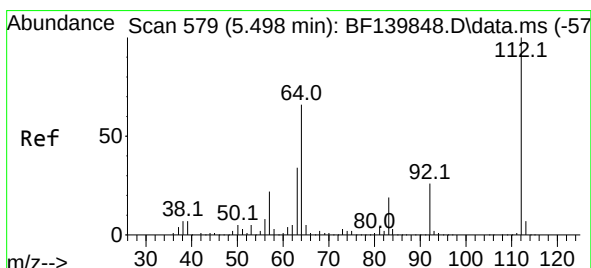
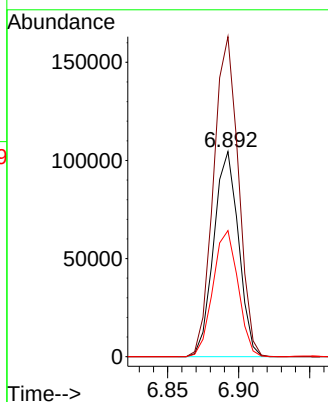
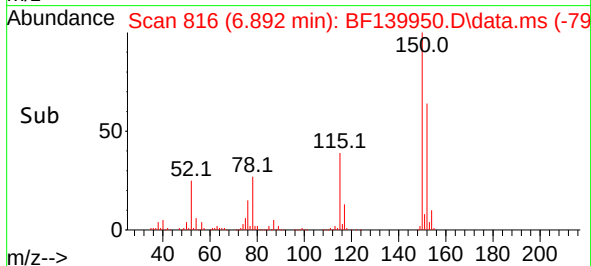
Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30



Tgt Ion:152 Resp: 126729
Ion Ratio Lower Upper
152 100
150 156.0 130.2 195.2
115 61.5 51.4 77.2

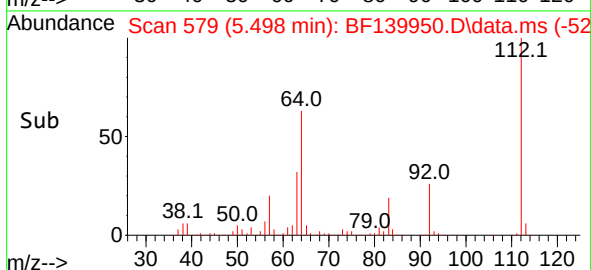
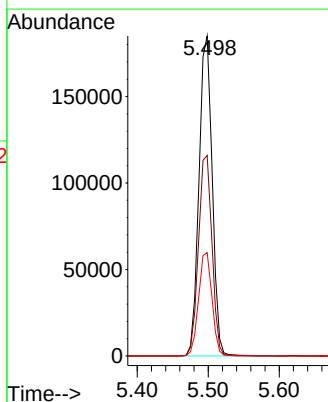
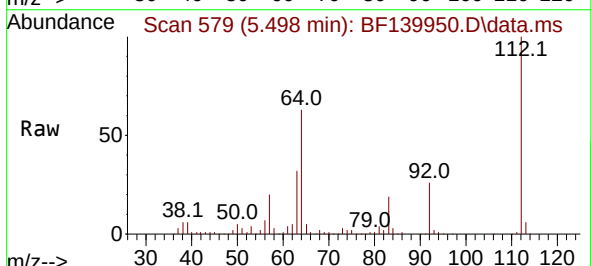
Manual Integrations
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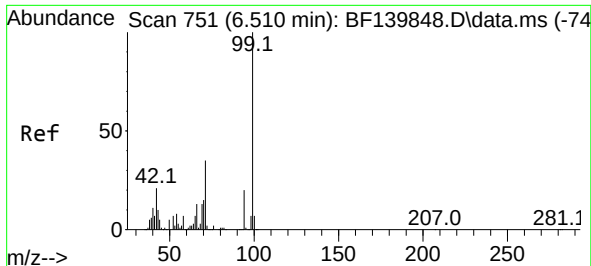
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#5
2-Fluorophenol
Concen: 29.645 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

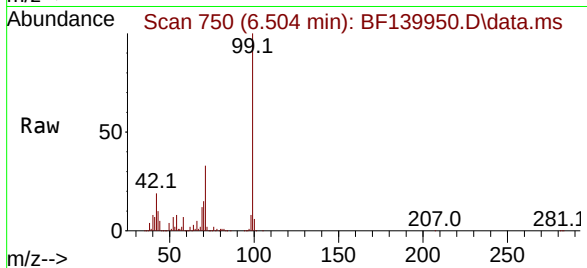
Tgt Ion:112 Resp: 239981
Ion Ratio Lower Upper
112 100
64 62.7 53.0 79.6
63 32.3 27.0 40.4





#7
Phenol-d6
Concen: 31.611 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

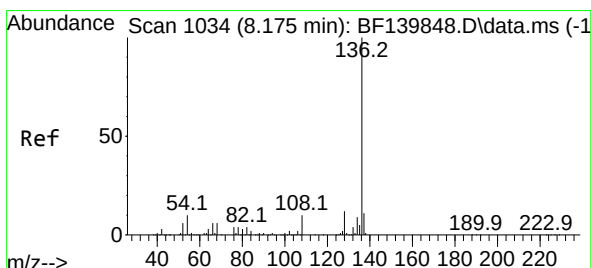
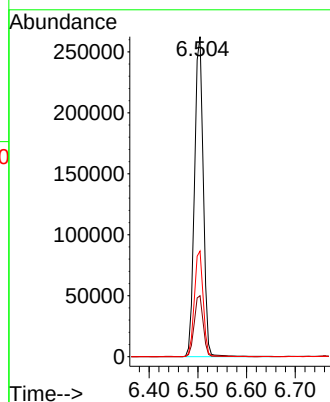
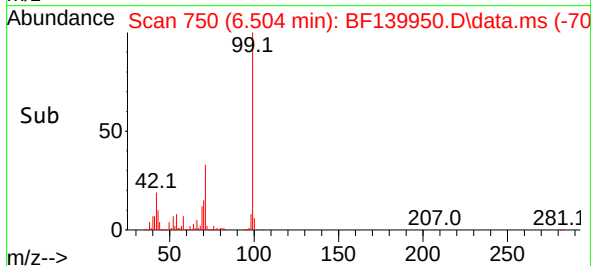
Instrument :
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Tgt Ion: 99 Resp: 331420
Ion Ratio Lower Upper
99 100
42 19.0 16.7 25.1
71 33.0 27.7 41.5

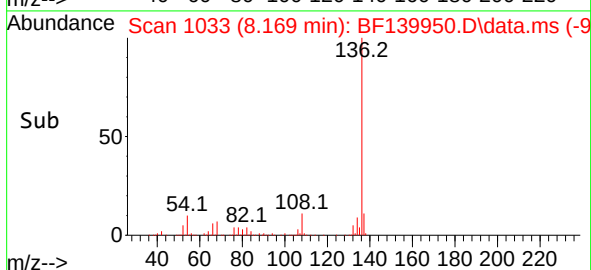
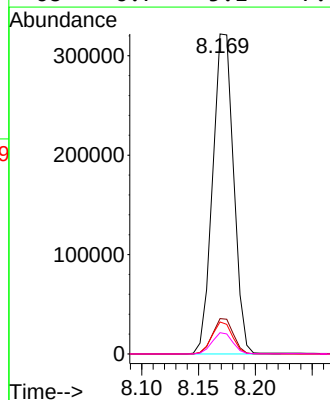
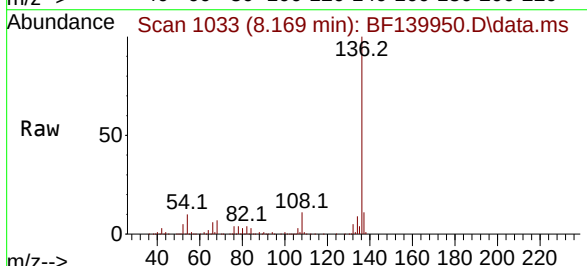
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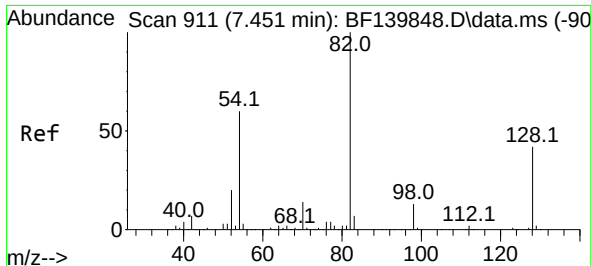
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

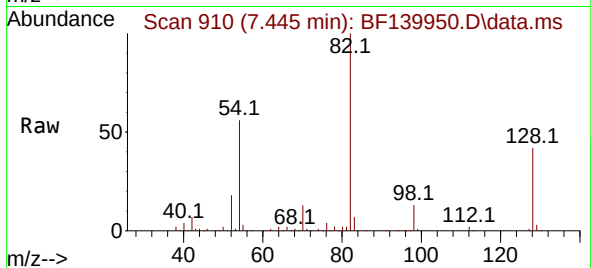
Tgt Ion:136 Resp: 413406
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 10.0 8.4 12.6
68 6.7 5.1 7.7





#23
Nitrobenzene-d5
Concen: 26.118 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

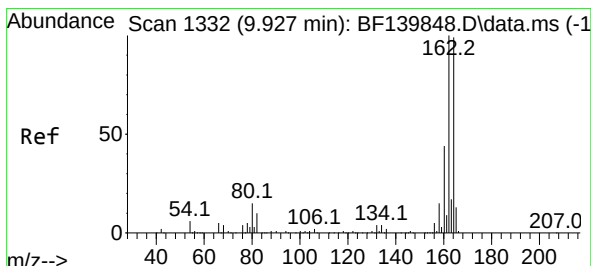
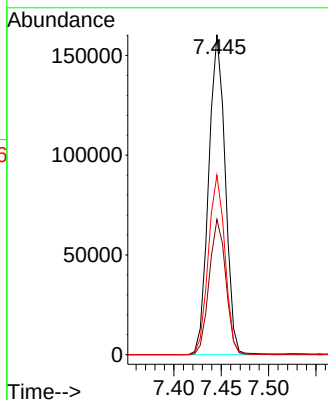
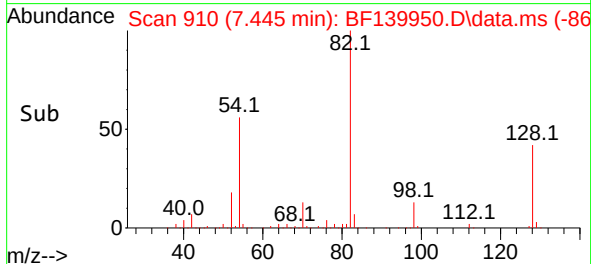
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 19481
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.0
54 56.1 47.8 71.8

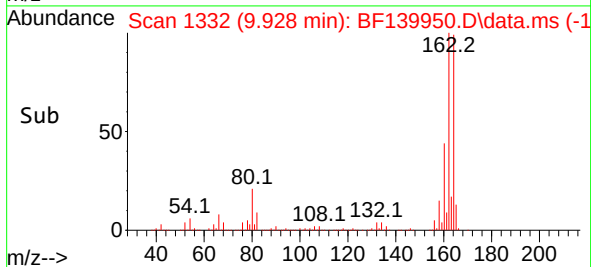
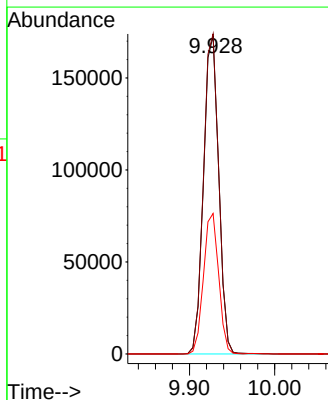
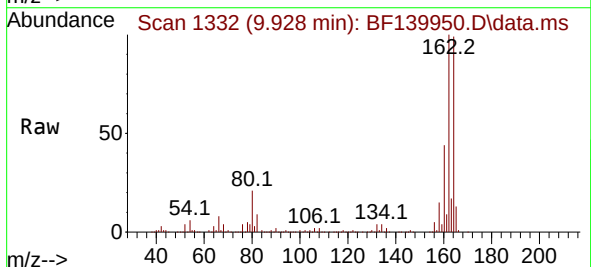
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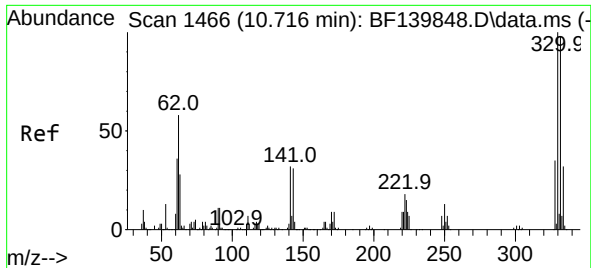
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

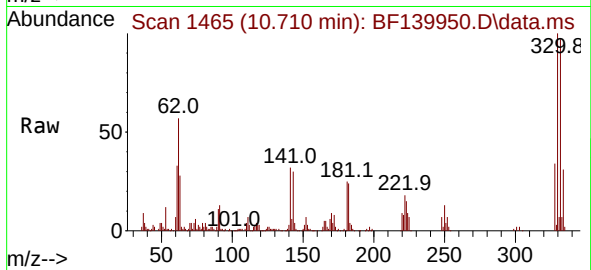
Tgt Ion:164 Resp: 214433
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 44.2 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 52.535 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

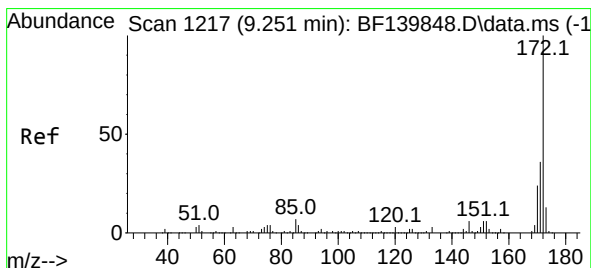
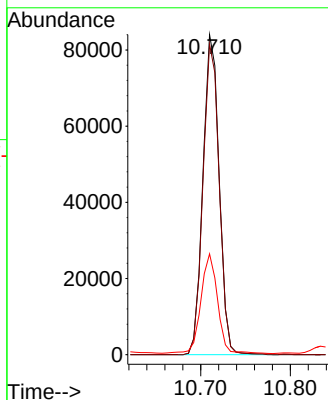
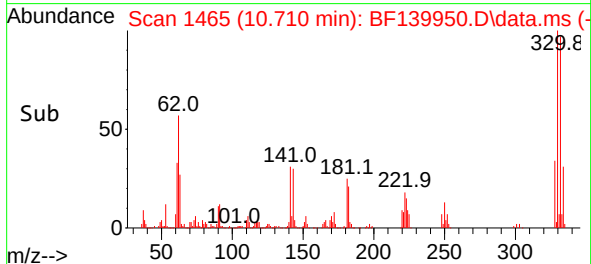
Instrument : BNA_F
ClientSampleId : OG-315-HR-502-COMP-30



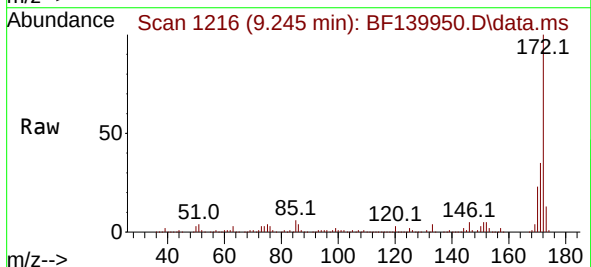
Tgt Ion: 330 Resp: 105372
Ion Ratio Lower Upper
330 100
332 97.3 78.1 117.1
141 31.9 26.6 39.8

Manual Integrations
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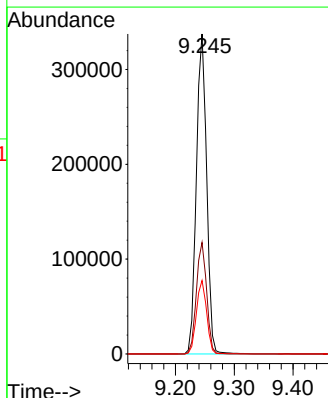
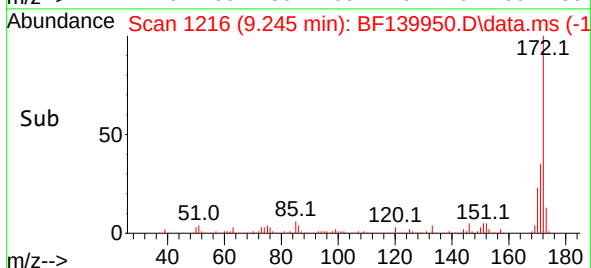
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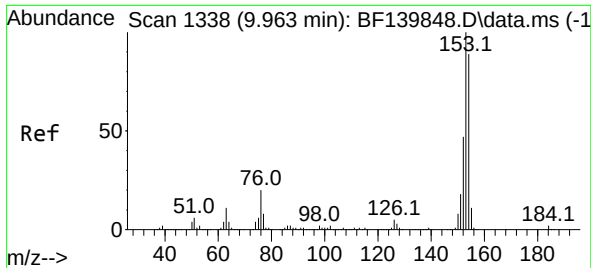


#45
2-Fluorobiphenyl
Concen: 31.623 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36



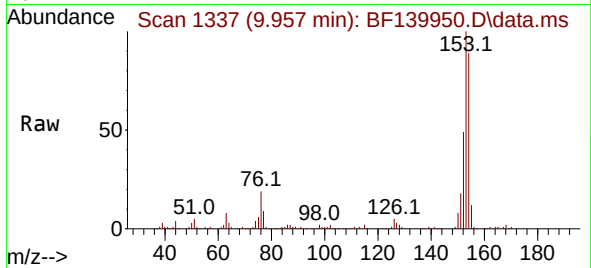
Tgt Ion: 172 Resp: 410297
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 22.9 19.1 28.7





#52
Acenaphthene
Concen: 6.384 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

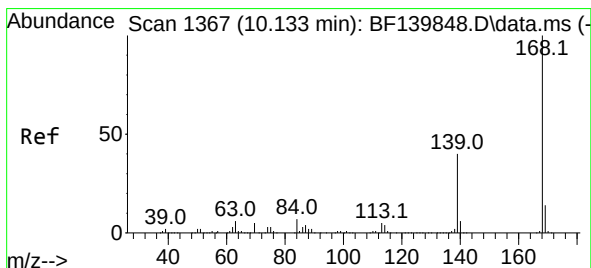
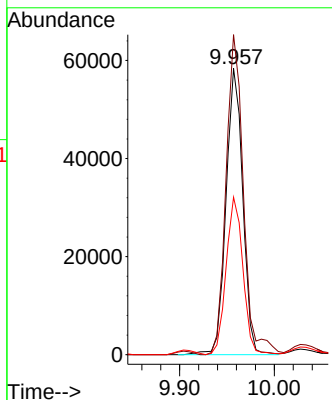
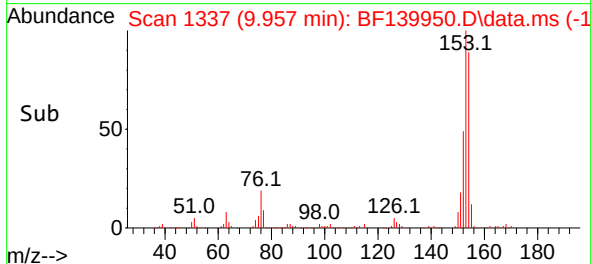
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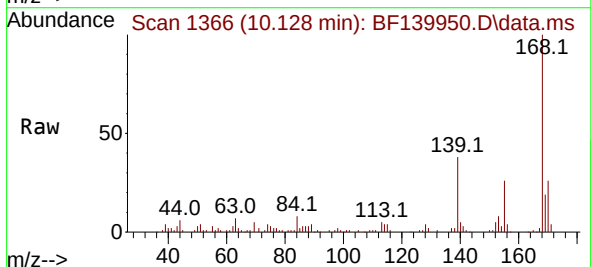
Tgt Ion:154 Resp: 7178
Ion Ratio Lower Upper
154 100
153 111.8 89.8 134.6
152 55.0 42.4 63.6

Manual Integrations
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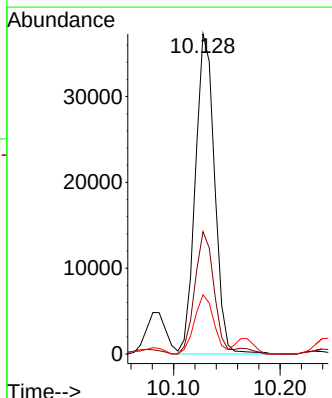
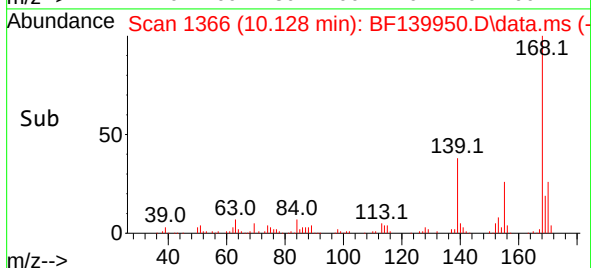
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024

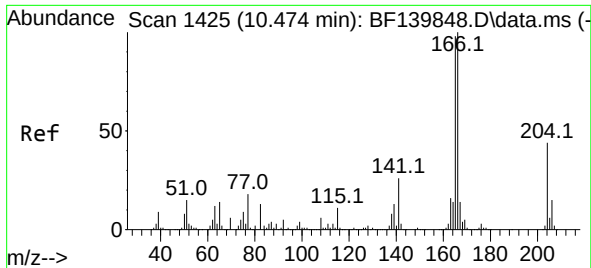


#55
Dibenzofuran
Concen: 2.905 ng
RT: 10.128 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36



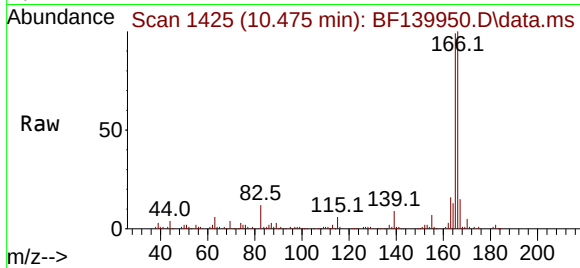
Tgt Ion:168 Resp: 46860
Ion Ratio Lower Upper
168 100
139 38.2 31.8 47.6
169 18.5 11.6 17.4#





#58
 Fluorene
 Concen: 5.731 ng
 RT: 10.475 min Scan# 1425
 Delta R.T. 0.000 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36

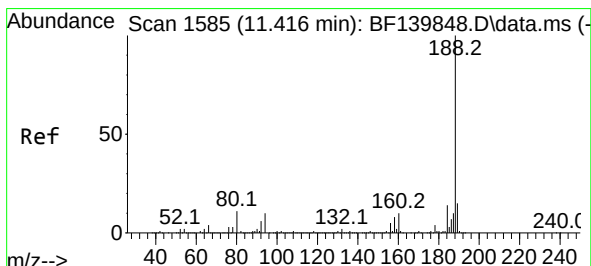
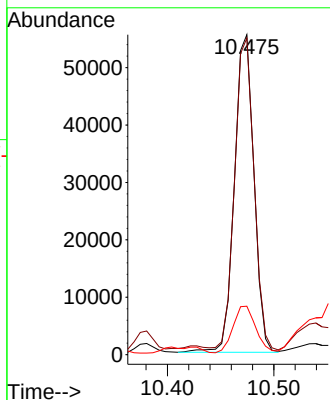
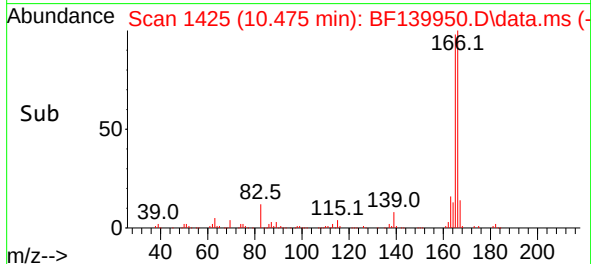
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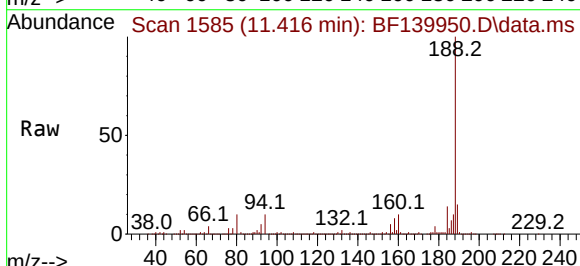
Tgt Ion:166 Resp: 70419
 Ion Ratio Lower Upper
 166 100
 165 98.9 78.5 117.7
 167 15.2 10.9 16.3

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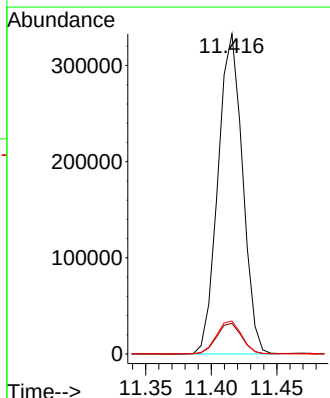
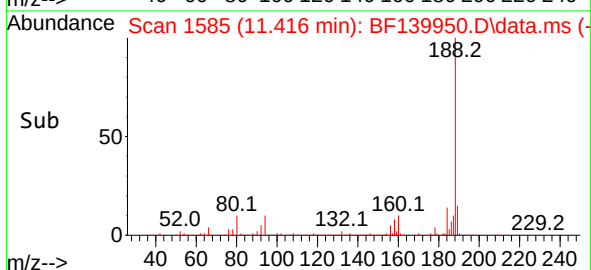
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

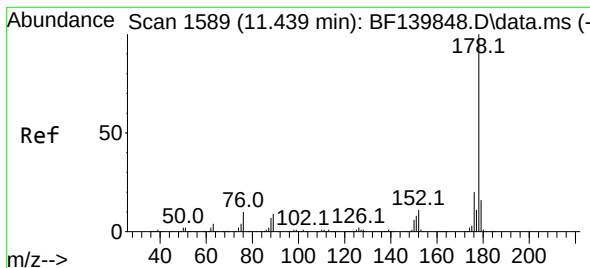


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.416 min Scan# 1585
 Delta R.T. 0.000 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36



Tgt Ion:188 Resp: 434105
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.9 11.9
 80 10.3 9.0 13.4





#71

Phenanthrene

Concen: 82.641 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30

Tgt Ion:178 Resp: 1694578

Ion Ratio Lower Upper

178 100

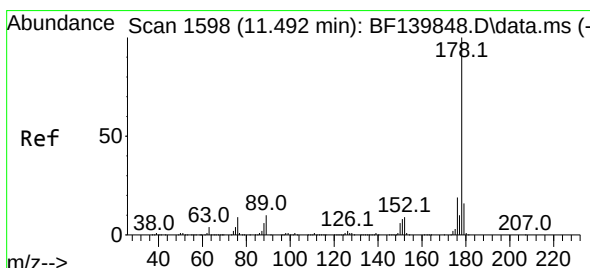
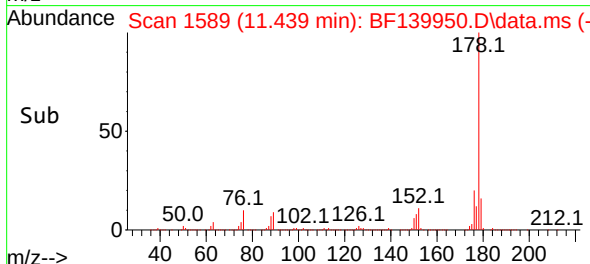
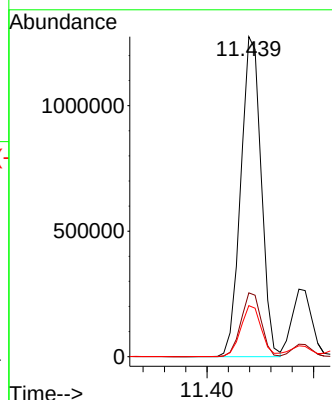
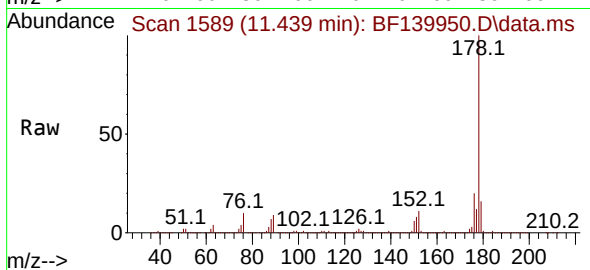
176 19.9 15.8 23.6

179 15.9 12.6 18.8

Manual Integrations

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#72

Anthracene

Concen: 17.472 ng

RT: 11.486 min Scan# 1597

Delta R.T. -0.006 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

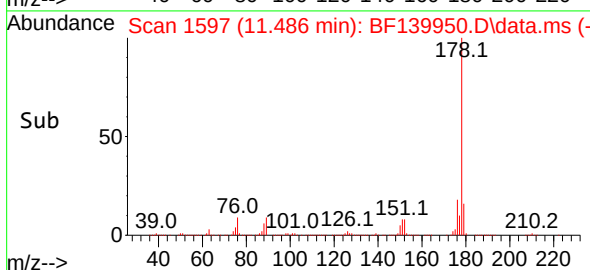
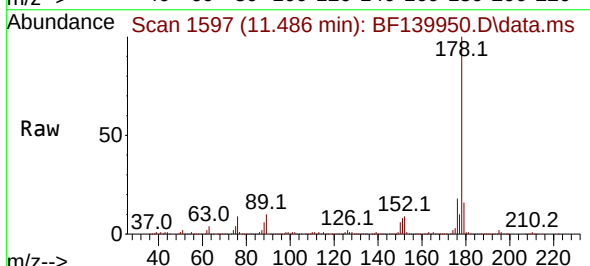
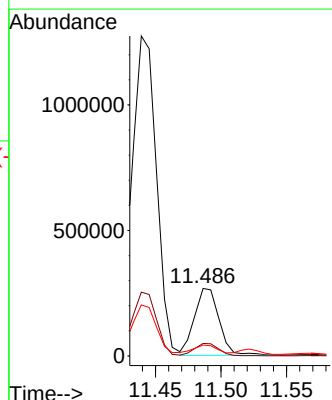
Tgt Ion:178 Resp: 349563

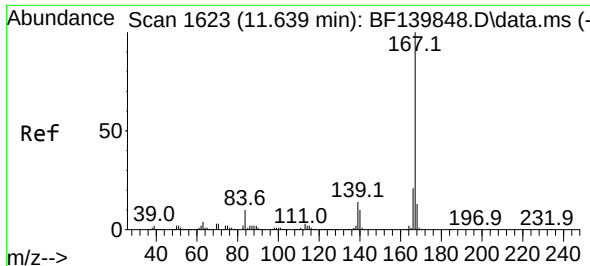
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

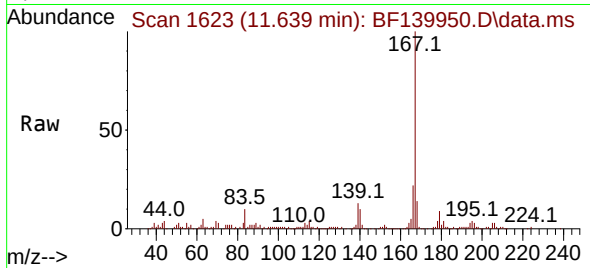
179 16.1 12.4 18.6





#73
 Carbazole
 Concen: 4.967 ng
 RT: 11.639 min Scan# 1623
 Delta R.T. 0.000 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36

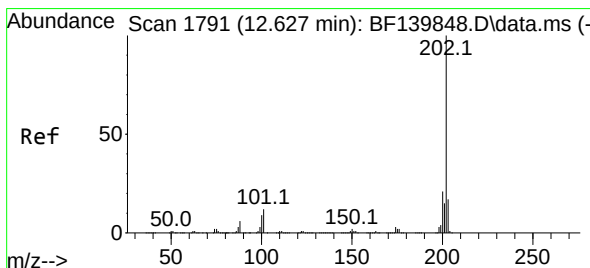
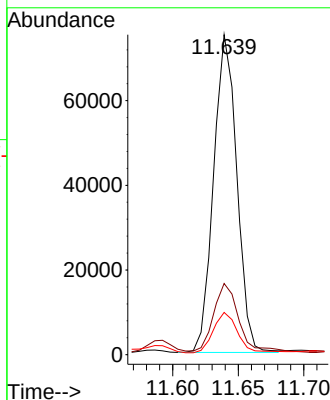
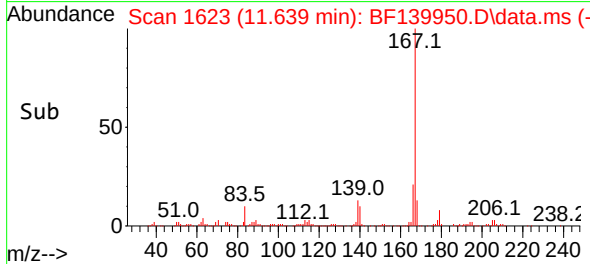
Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30



Tgt Ion:167 Resp: 9242
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.0 25.6
 139 13.2 10.8 16.2

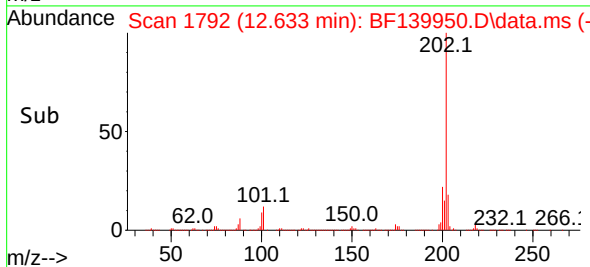
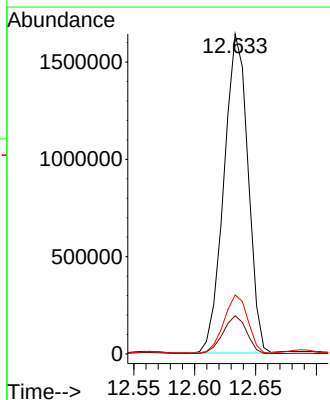
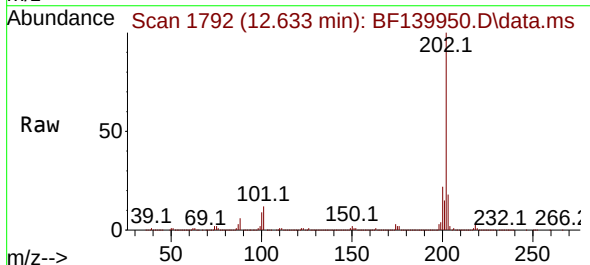
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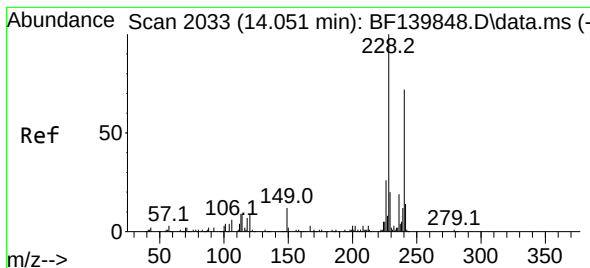
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#75
 Fluoranthene
 Concen: 109.026 ng
 RT: 12.633 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36

Tgt Ion:202 Resp: 2260015
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 31.9
 203 18.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Instrument :

BNA_F

ClientSampleId :

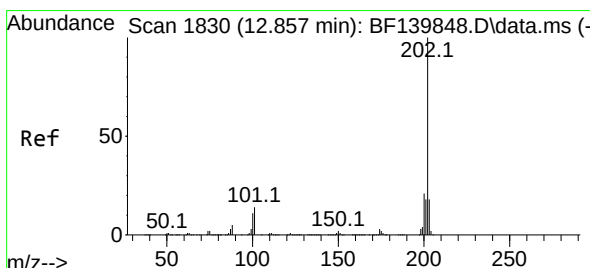
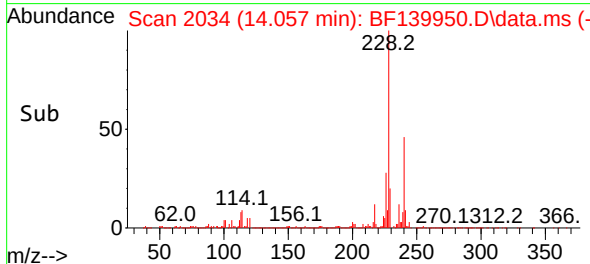
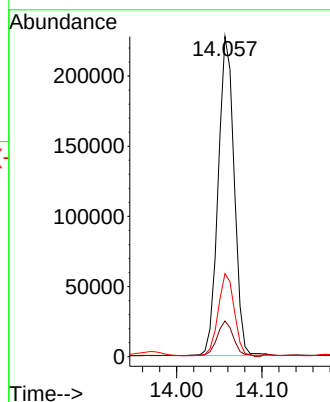
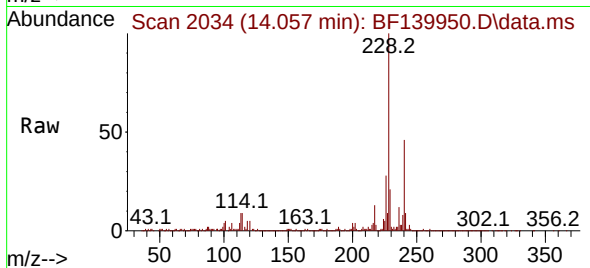
OG-315-HR-502-COMP-30

Tgt Ion:240 Resp: 297075
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.4 14.2
 236 26.0 20.9 31.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#78

Pyrene

Concen: 89.138 ng

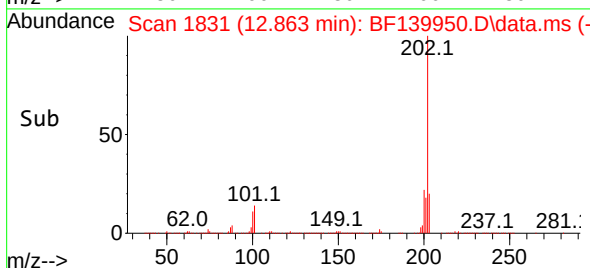
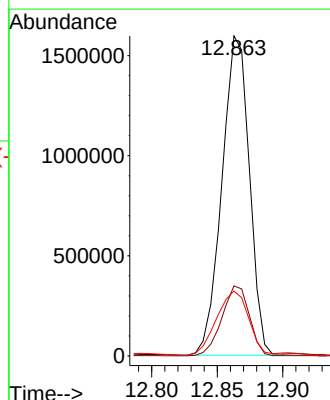
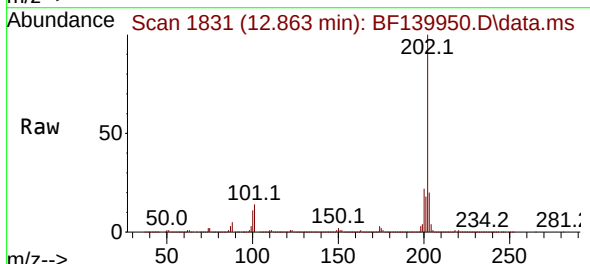
RT: 12.863 min Scan# 1831

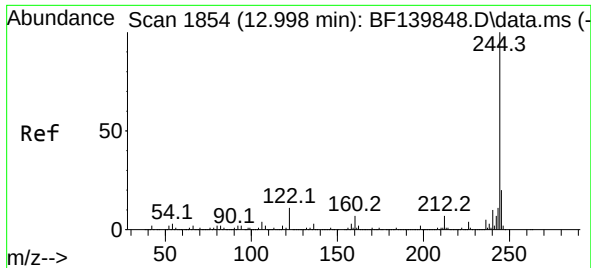
Delta R.T. 0.006 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

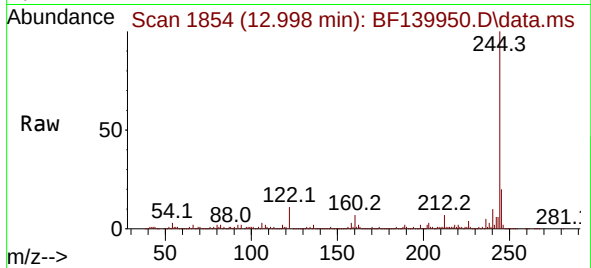
Tgt Ion:202 Resp: 2317937
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.2 25.8
 203 20.3 14.2 21.4





#79
 Terphenyl-d14
 Concen: 32.934 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36

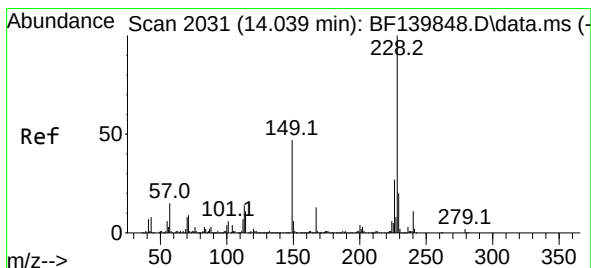
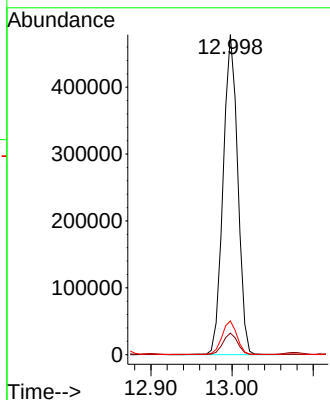
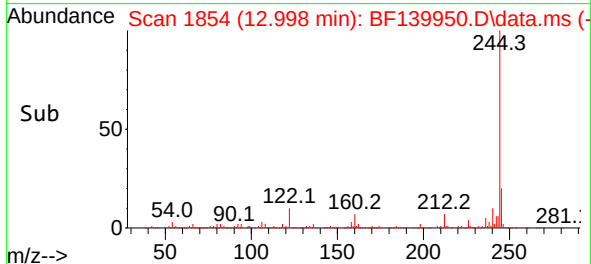
Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30



Tgt Ion:244 Resp: 600437
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.6 8.6 13.0

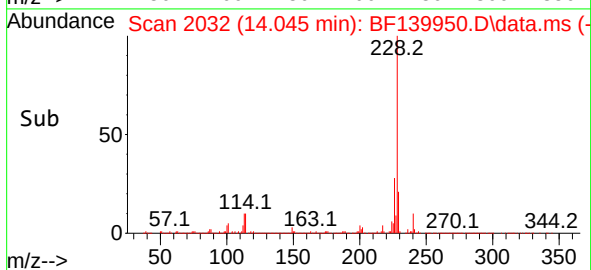
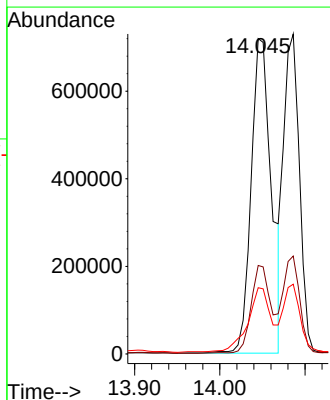
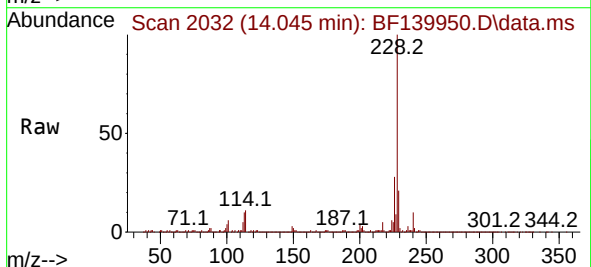
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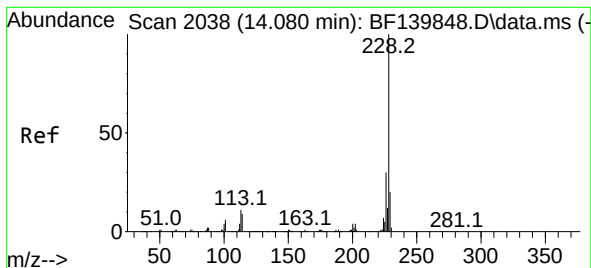
Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024



#81
 Benzo(a)anthracene
 Concen: 61.407 ng
 RT: 14.045 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36

Tgt Ion:228 Resp: 1187521
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.6 32.4
 229 21.0 16.1 24.1





#83

Chrysene

Concen: 52.562 ng

RT: 14.086 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Instrument :

BNA_F

ClientSampleId :

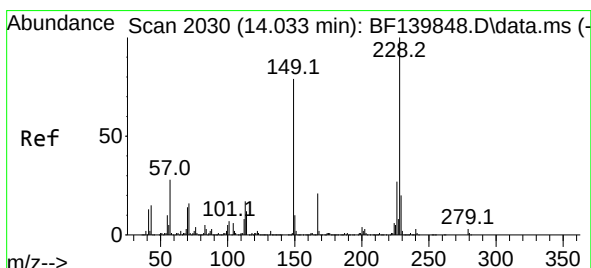
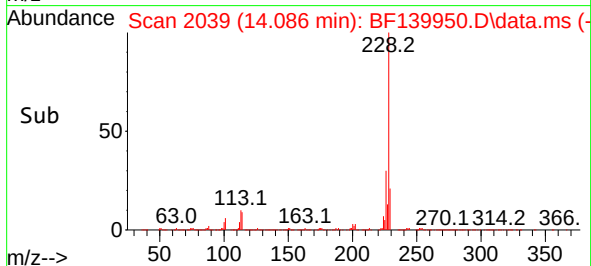
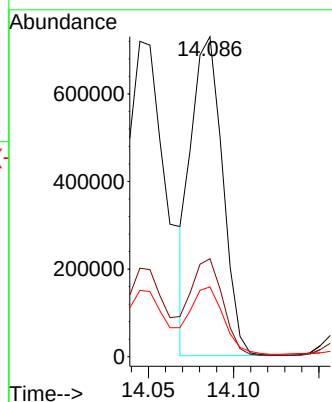
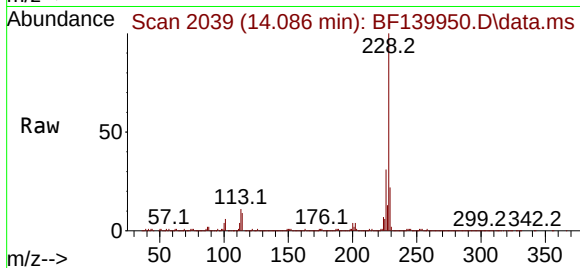
OG-315-HR-502-COMP-30

Tgt Ion:	228	Resp:	931979
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.1	36.1
229	21.8	15.8	23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.489 ng

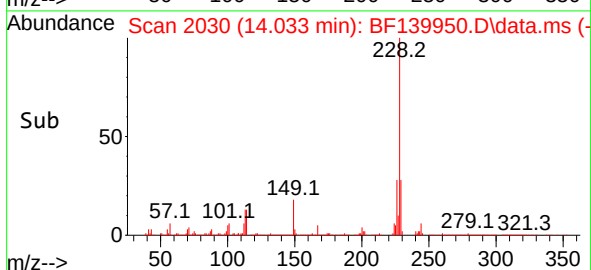
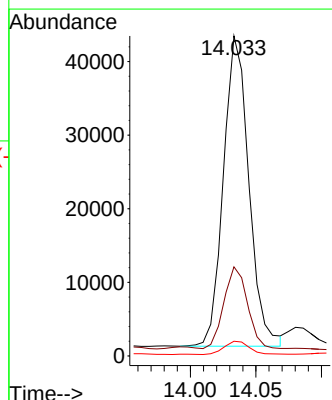
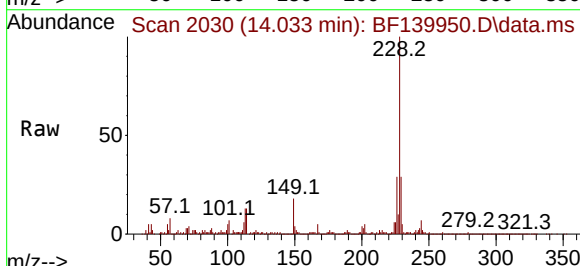
RT: 14.033 min Scan# 2030

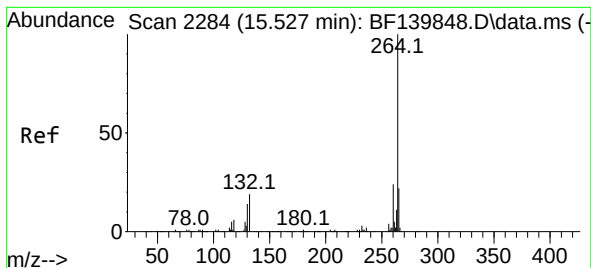
Delta R.T. 0.000 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Tgt Ion:	149	Resp:	56762
Ion Ratio	Lower	Upper	
149	100		
167	27.8	21.4	32.0
279	4.6	3.0	4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30

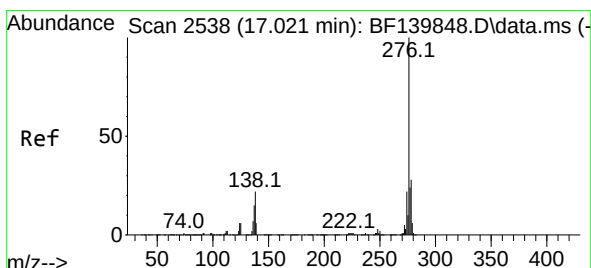
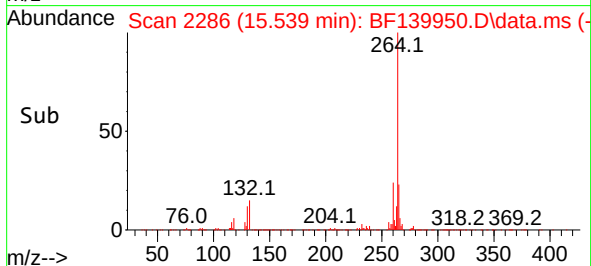
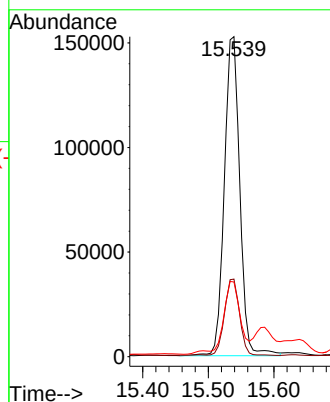
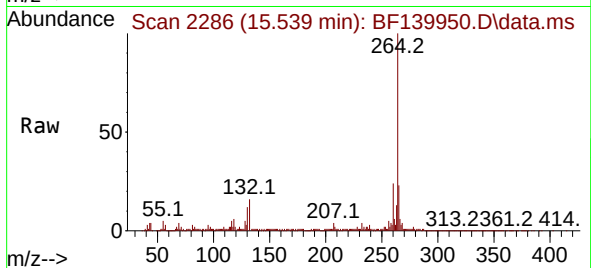
Tgt Ion:264 Resp: 248975

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	23.3	17.4	26.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.180 ng

RT: 17.033 min Scan# 2540

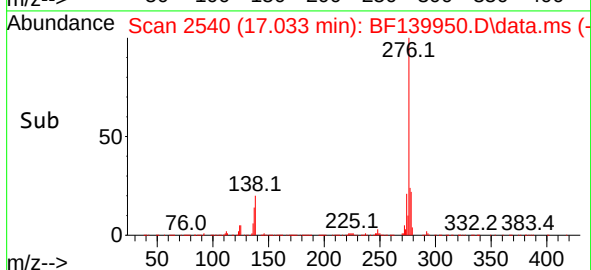
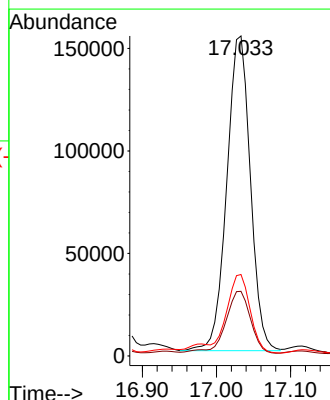
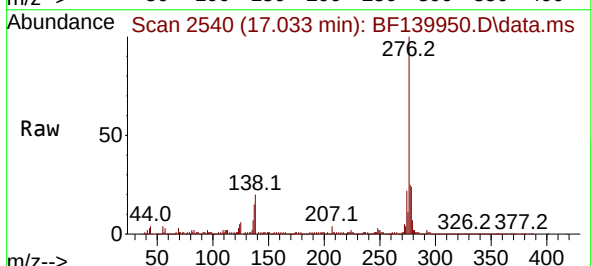
Delta R.T. 0.012 min

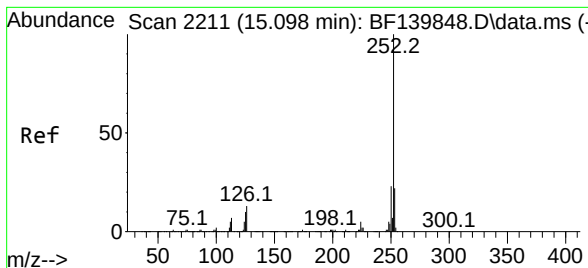
Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Tgt Ion:276 Resp: 339238

Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.4	30.6
277	24.5	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 56.594 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

Instrument :

BNA_F

ClientSampleId :

OG-315-HR-502-COMP-30

Tgt Ion:252 Resp: 858334

Ion Ratio Lower Upper

252 100

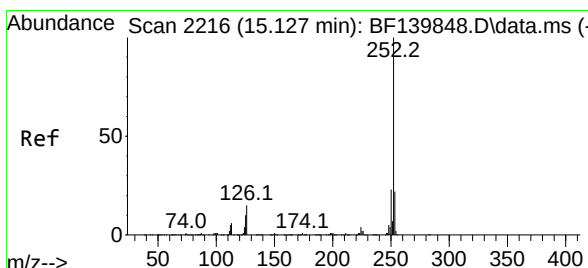
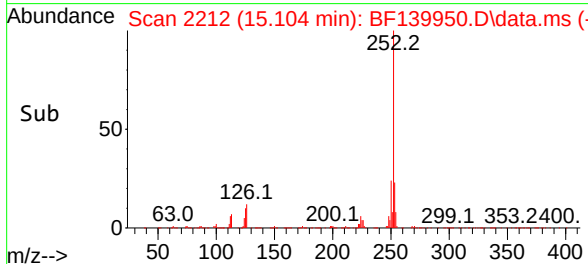
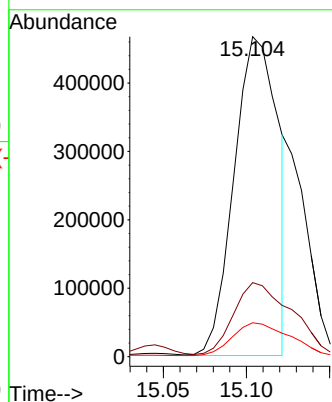
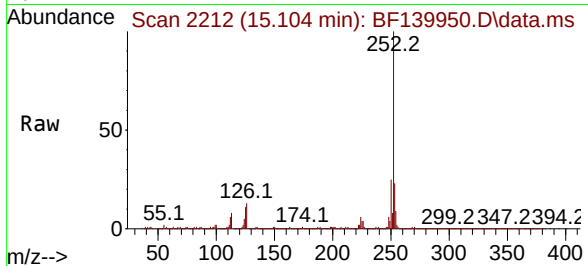
253 23.1 17.6 26.4

125 10.6 7.9 11.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#89

Benzo(k)fluoranthene

Concen: 20.607 ng m

RT: 15.121 min Scan# 2215

Delta R.T. -0.006 min

Lab File: BF139950.D

Acq: 23 Oct 2024 01:36

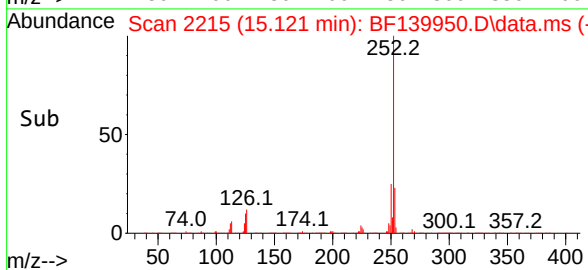
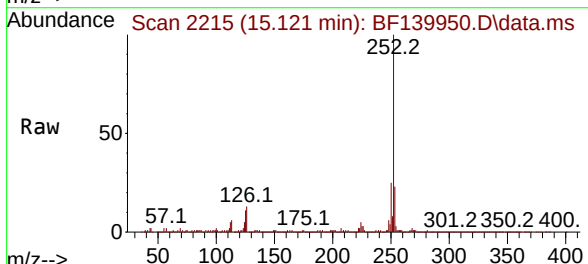
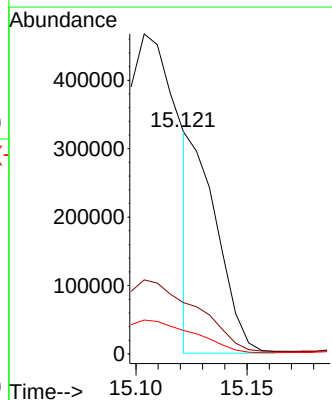
Tgt Ion:252 Resp: 269530

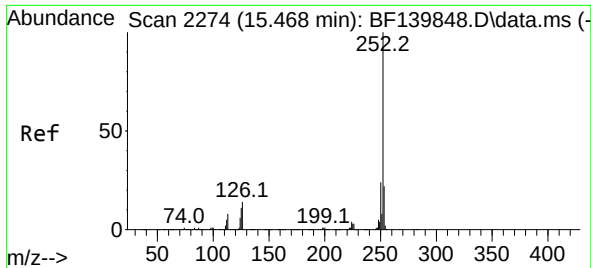
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 10.6 7.9 11.9





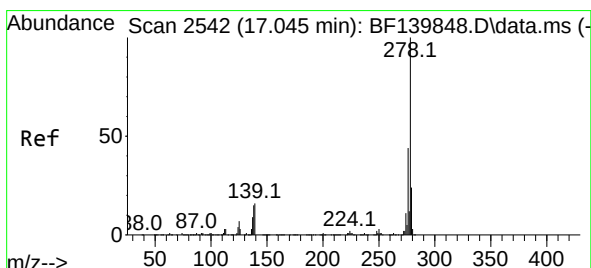
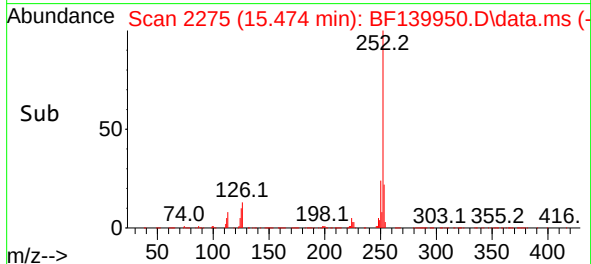
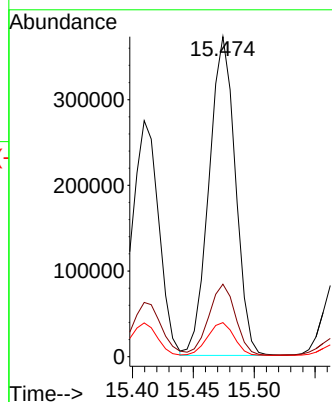
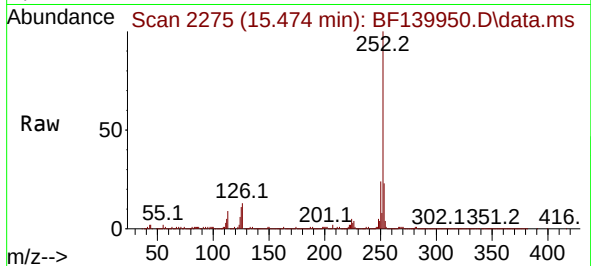
#90
Benzo(a)pyrene
Concen: 44.834 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

Instrument :
BNA_F
ClientSampleId :
OG-315-HR-502-COMP-30

Tgt Ion:252 Resp: 559509
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 10.7 8.7 13.1

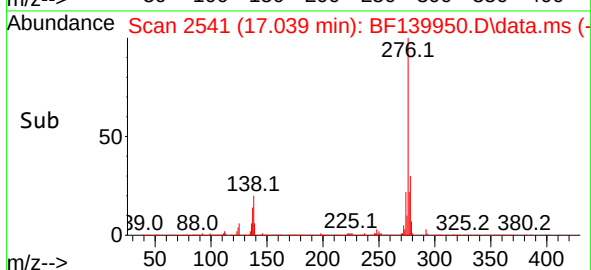
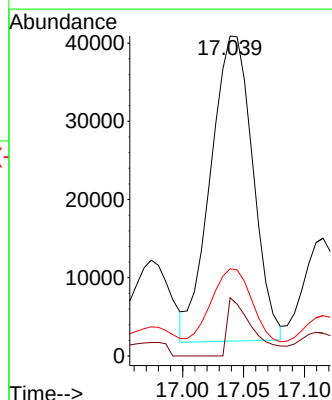
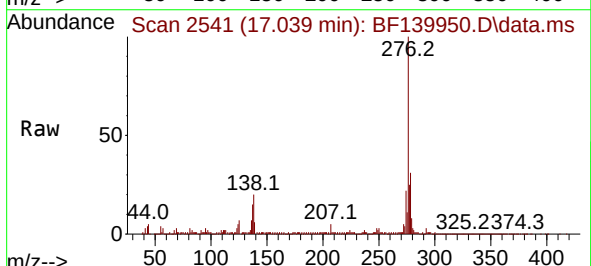
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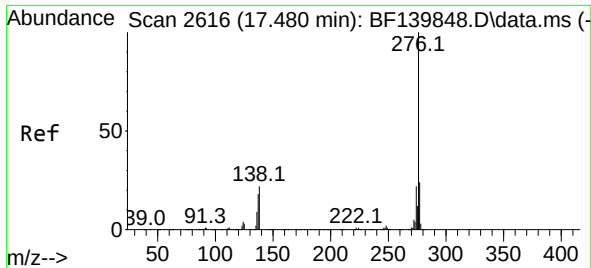
Reviewed By :Jagrut Upadhyay 10/23/2024
Supervised By :mohammad ahmed 10/24/2024



#91
Dibenzo(a,h)anthracene
Concen: 7.040 ng
RT: 17.039 min Scan# 2541
Delta R.T. -0.006 min
Lab File: BF139950.D
Acq: 23 Oct 2024 01:36

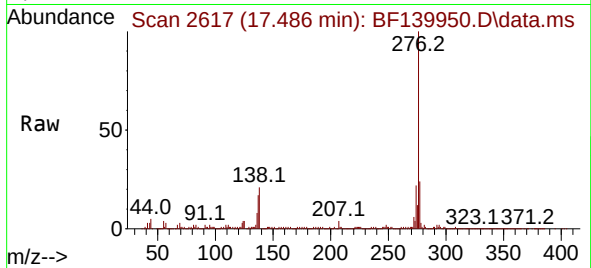
Tgt Ion:278 Resp: 94062
Ion Ratio Lower Upper
278 100
139 18.2 13.1 19.7
279 27.3 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 25.068 ng
 RT: 17.486 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF139950.D
 Acq: 23 Oct 2024 01:36

Instrument :
 BNA_F
 ClientSampleId :
 OG-315-HR-502-COMP-30



Tgt Ion: 276 Resp: 33457
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.0 28.6
 138 20.8 17.4 26.0

Manual Integrations
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Reviewed By :Jagrut Upadhyay 10/23/2024
 Supervised By :mohammad ahmed 10/24/2024

