

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092024\
 Data File : BF139498.D
 Acq On : 20 Sep 2024 13:19
 Operator : RC/JU
 Sample : P4103-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14-5-7.5A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
 Supervised By :mohammad ahmed 09/22/2024

Quant Time: Sep 20 13:42:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	77808	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	274750	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	127776	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	192815	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	138154	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	99507	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	345449	72.428	ng	0.00
7) Phenol-d6	6.504	99	462862	73.935	ng	0.00
23) Nitrobenzene-d5	7.439	82	308262	52.746	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	71466	52.536	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	499069	54.780	ng	0.00
79) Terphenyl-d14	12.980	244	425490	50.552	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.875	142	199809	21.947	ng	100
38) 1-Methylnaphthalene	8.969	142	175753	19.663	ng	100
52) Acenaphthene	9.945	154	25063	3.246	ng	# 74
55) Dibenzofuran	10.122	168	30219	2.808	ng	# 35
58) Fluorene	10.463	166	49715	5.661	ng	# 86
71) Phenanthrene	11.427	178	190425	20.470	ng	98
72) Anthracene	11.475	178	28900m	3.177	ng	
75) Fluoranthene	12.616	202	154999	15.602	ng	97
78) Pyrene	12.839	202	163231	13.760	ng	97
81) Benzo(a)anthracene	14.027	228	54148	5.917	ng	# 92
83) Chrysene	14.063	228	41394	4.917	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.980	276	12546	2.120	ng	97
88) Benzo(b)fluoranthene	15.080	252	35211m	5.738	ng	
89) Benzo(k)fluoranthene	15.092	252	14885m	2.631	ng	
90) Benzo(a)pyrene	15.445	252	24628	4.839	ng	# 92
92) Benzo(g,h,i)perylene	17.427	276	14522	3.000	ng	# 95

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

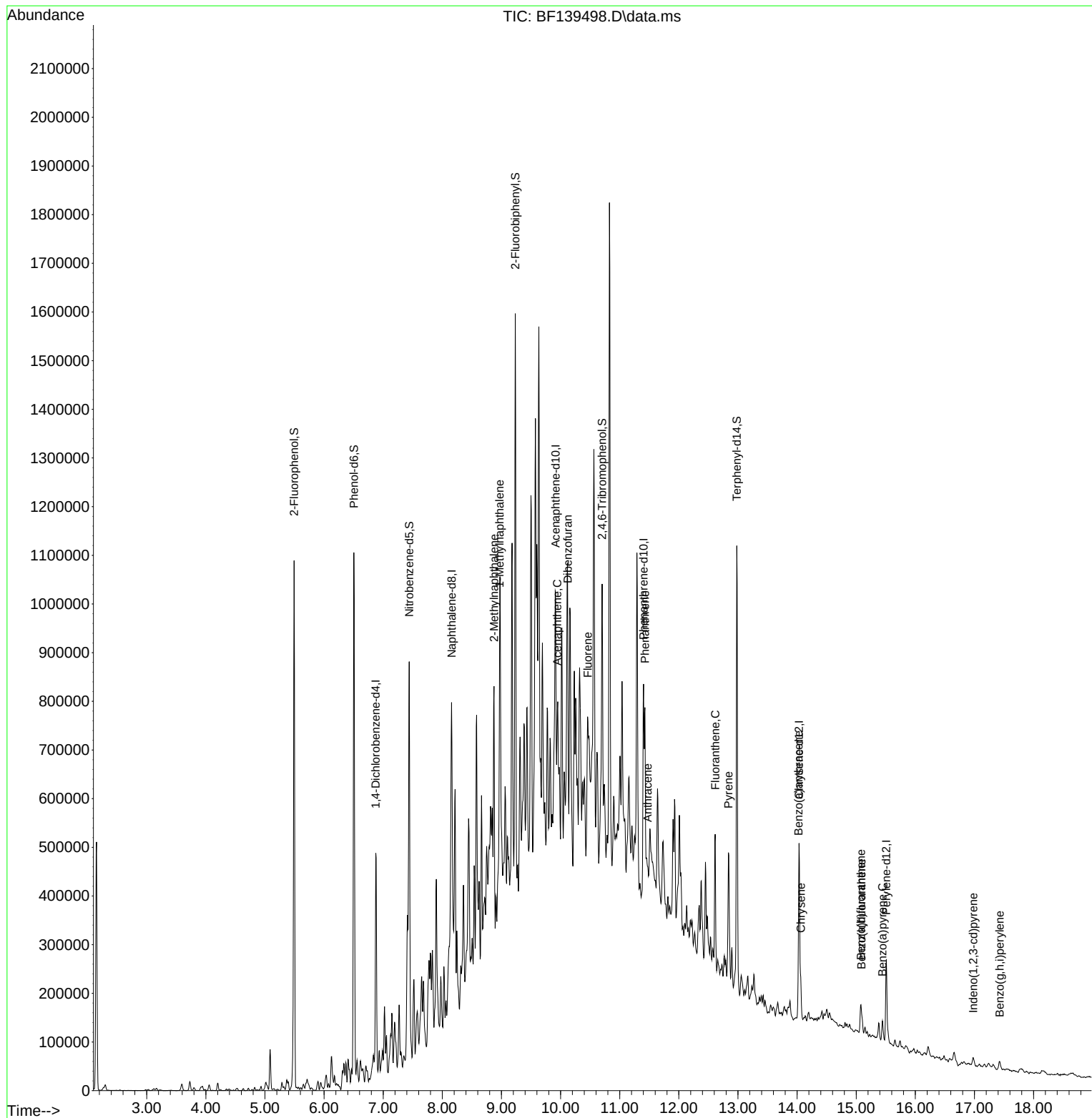
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Data File : BF139498.D
Acq On : 20 Sep 2024 13:19
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ALS Vial : 7 Sample Multiplier: 1

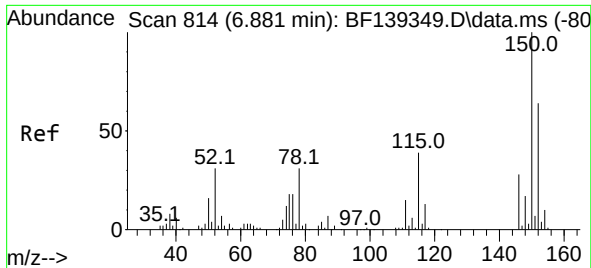
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Quant Time: Sep 20 13:42:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
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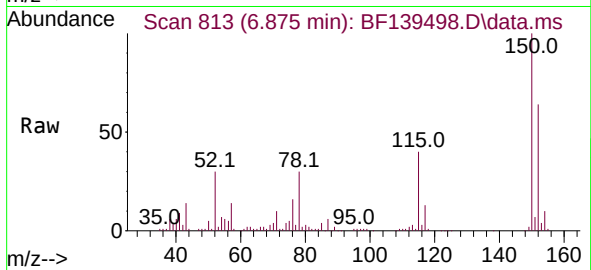
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

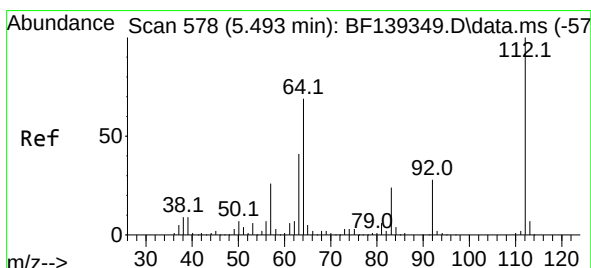
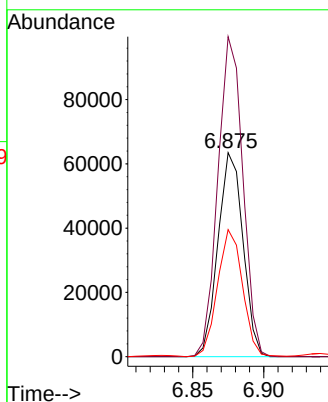
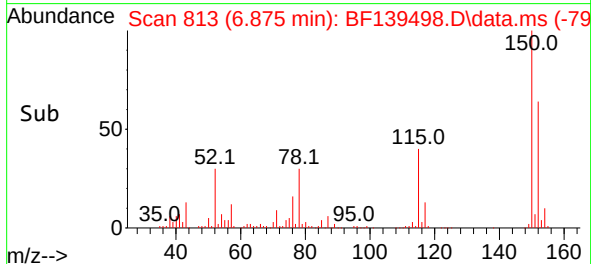
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A



Tgt Ion:152 Resp: 77808
Ion Ratio Lower Upper
152 100
150 156.9 124.1 186.1
115 62.3 48.1 72.1

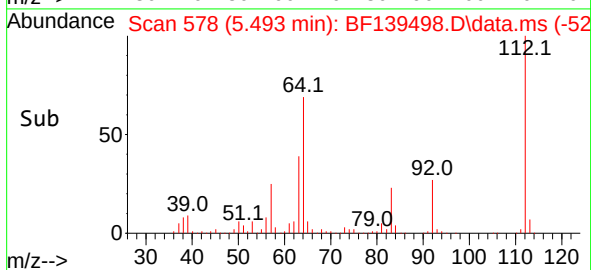
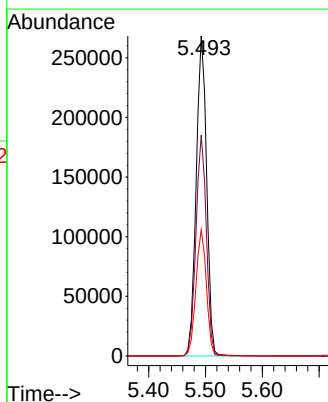
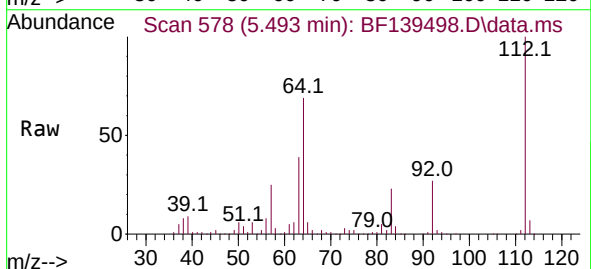
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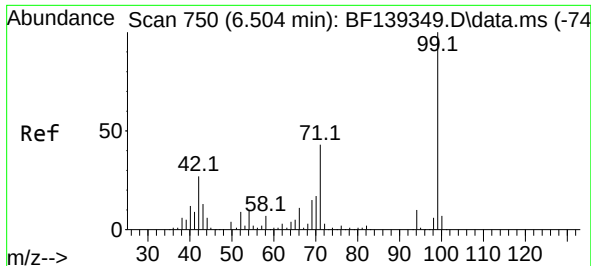
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#5
2-Fluorophenol
Concen: 72.428 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Tgt Ion:112 Resp: 345449
Ion Ratio Lower Upper
112 100
64 69.0 54.8 82.2
63 39.4 33.0 49.4





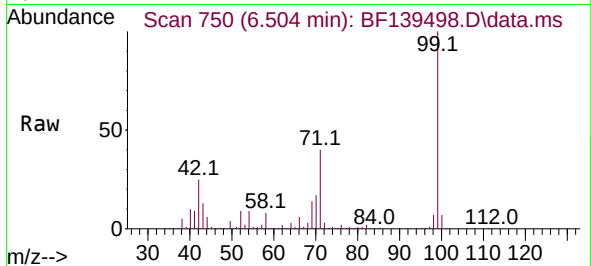
#7
Phenol-d6
Concen: 73.935 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

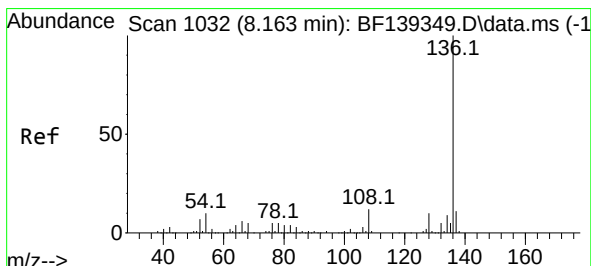
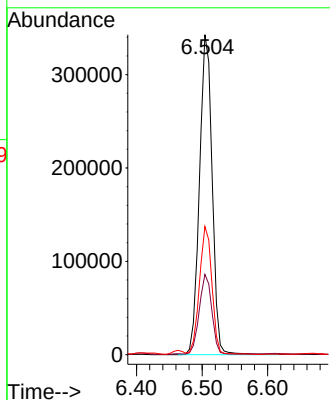
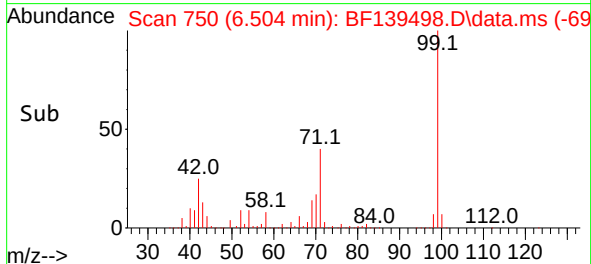


Tgt Ion: 99 Resp: 462862
Ion Ratio Lower Upper
99 100
42 25.1 21.9 32.9
71 40.0 34.6 52.0

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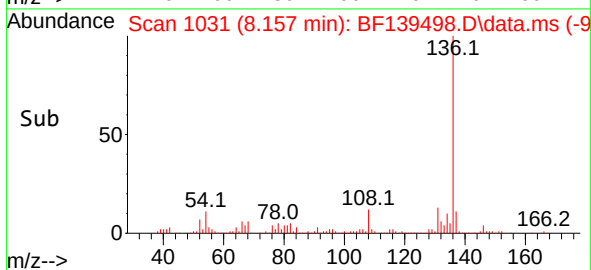
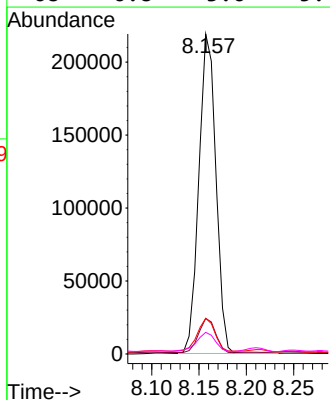
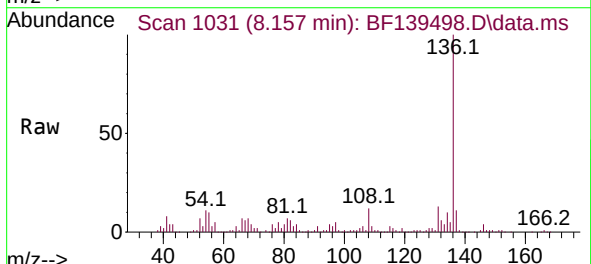
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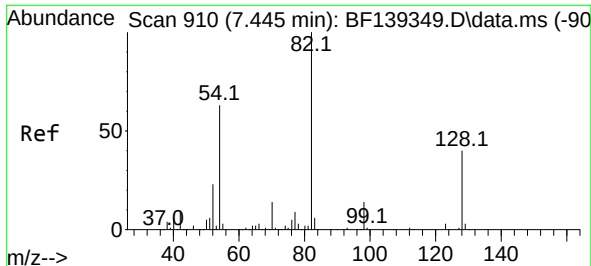
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

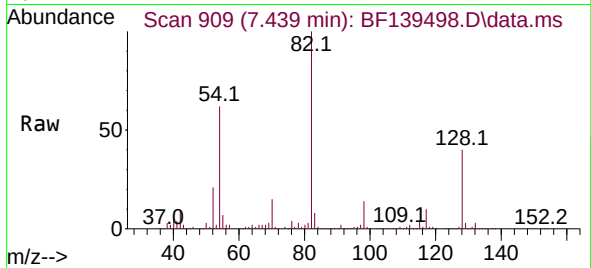
Tgt Ion:136 Resp: 274750
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 11.2 7.8 11.8
68 6.8 3.6 5.4#





#23
Nitrobenzene-d5
Concen: 52.746 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

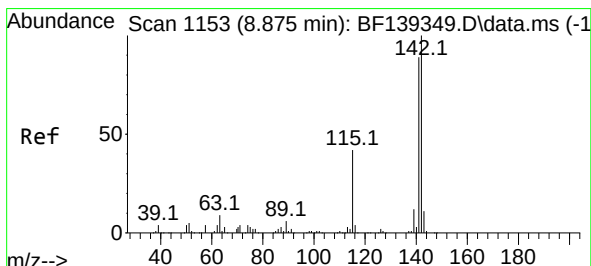
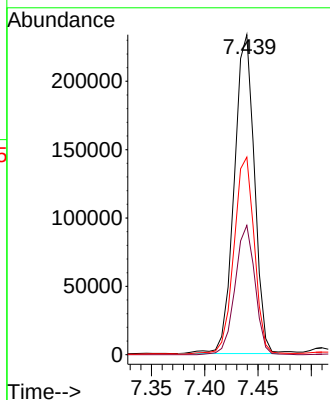
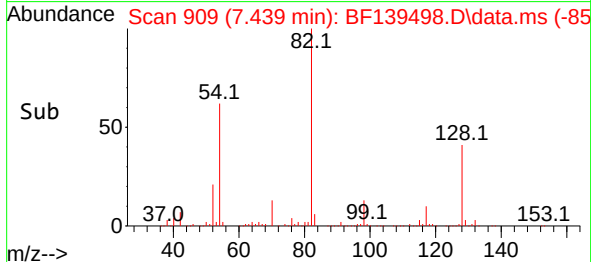
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A



Tgt Ion: 82 Resp: 308262
Ion Ratio Lower Upper
82 100
128 40.4 31.8 47.6
54 61.8 50.6 75.8

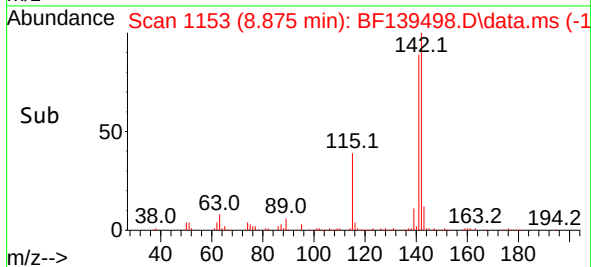
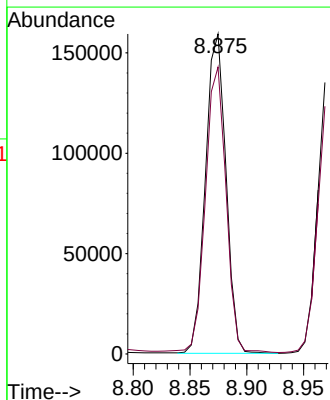
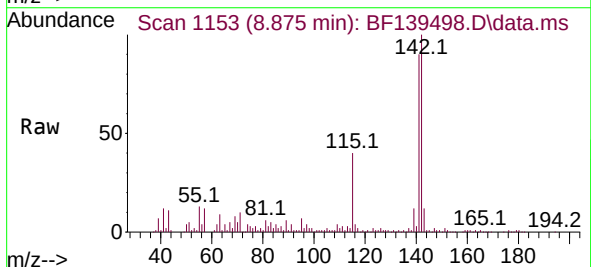
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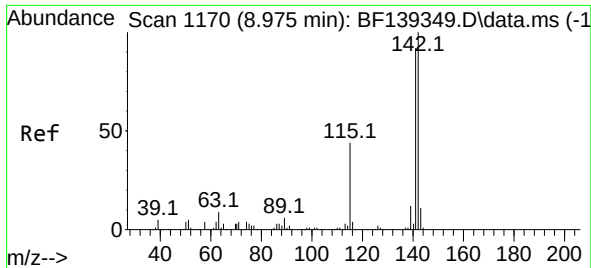
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#37
2-Methylnaphthalene
Concen: 21.947 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Tgt Ion:142 Resp: 199809
Ion Ratio Lower Upper
142 100
141 89.6 71.6 107.4





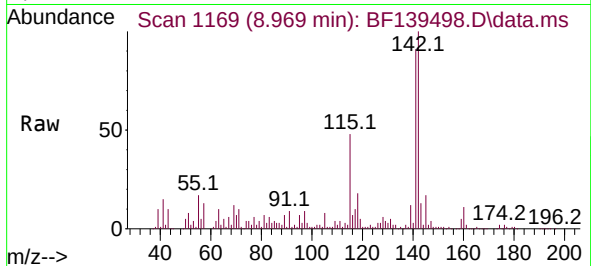
#38
1-Methylnaphthalene
Concen: 19.663 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

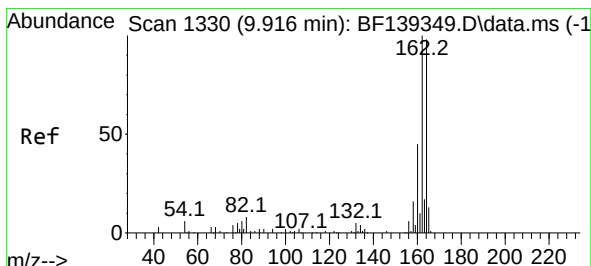
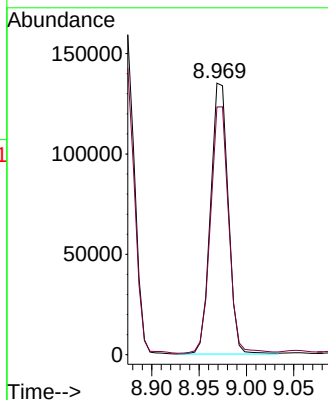
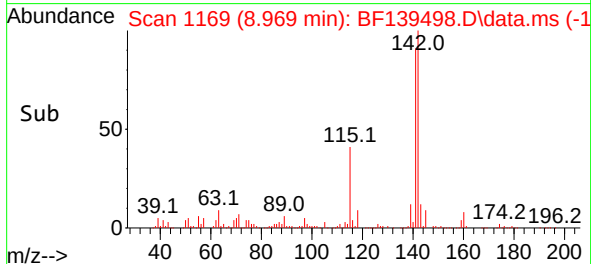


Tgt Ion:142 Resp: 17575
Ion Ratio Lower Upper
142 100
141 91.2 73.2 109.8

Manual Integrations

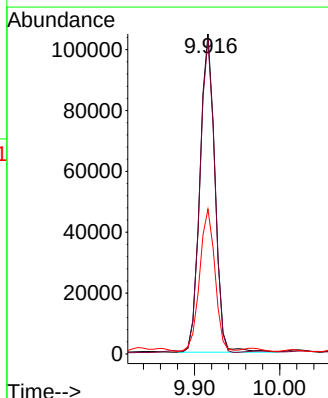
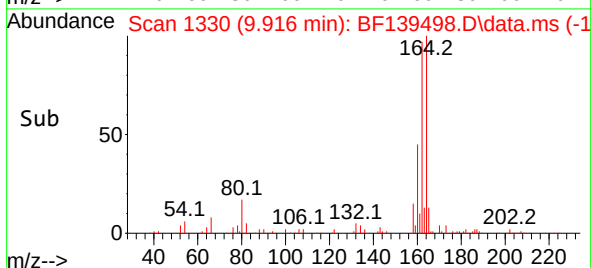
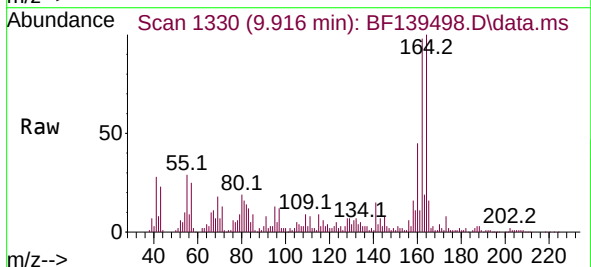
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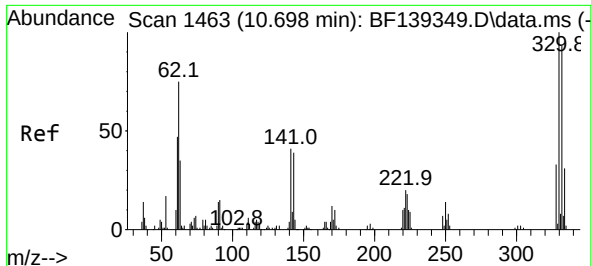
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Tgt Ion:164 Resp: 127776
Ion Ratio Lower Upper
164 100
162 98.3 81.3 121.9
160 45.2 36.4 54.6





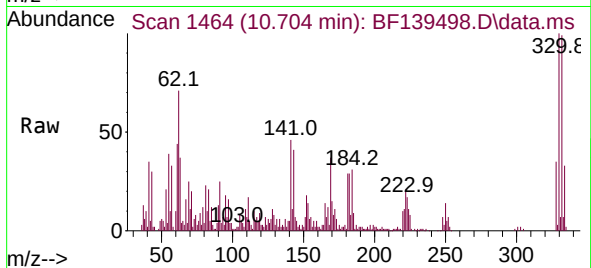
#42
2,4,6-Tribromophenol
Concen: 52.536 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

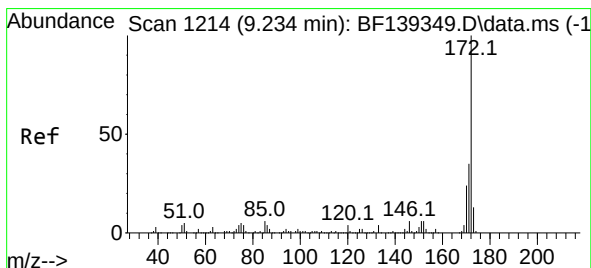
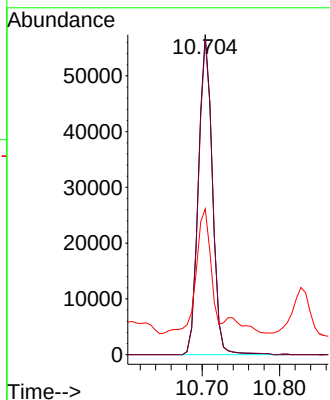
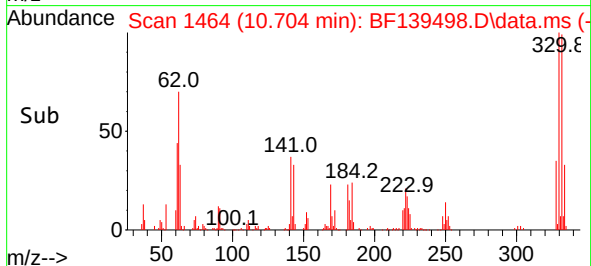


Tgt Ion:330 Resp: 71460
Ion Ratio Lower Upper
330 100
332 99.0 75.2 112.8
141 42.3 31.2 46.8

Manual Integrations

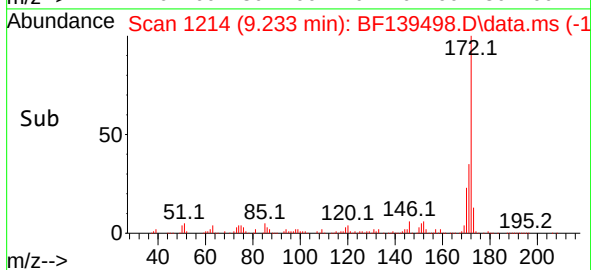
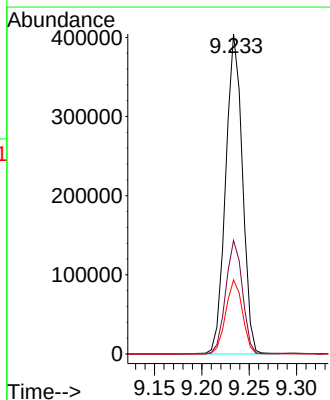
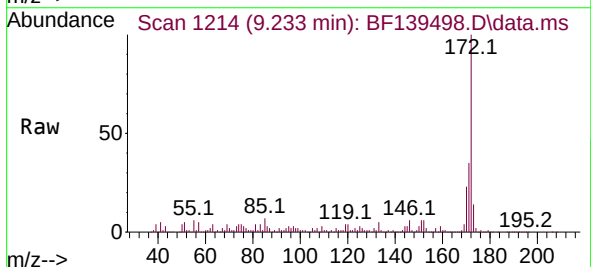
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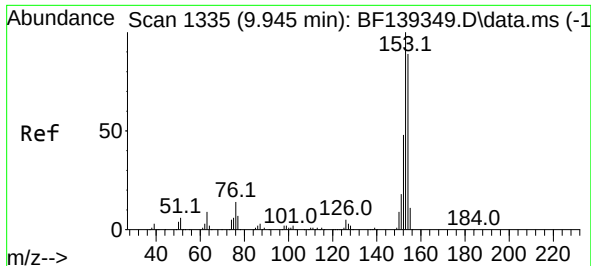
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#45
2-Fluorobiphenyl
Concen: 54.780 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

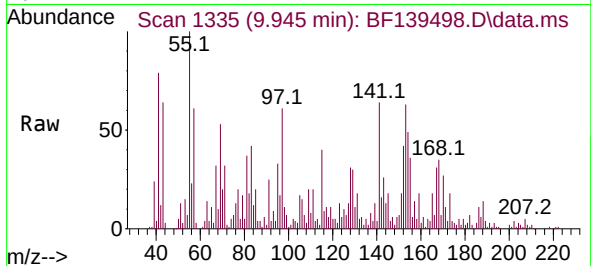
Tgt Ion:172 Resp: 499069
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.1 19.0 28.6





#52
Acenaphthene
Concen: 3.246 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

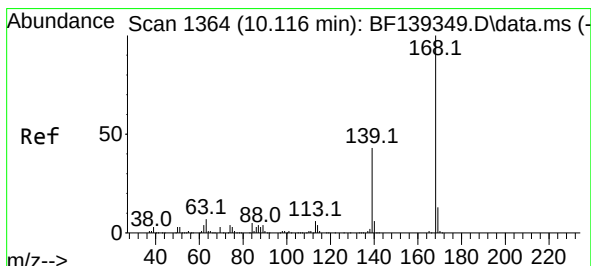
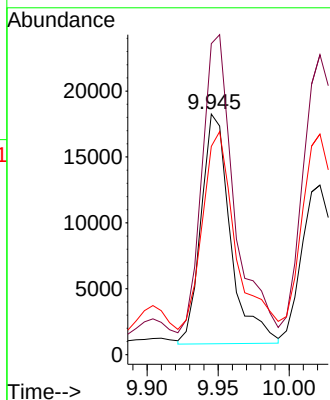
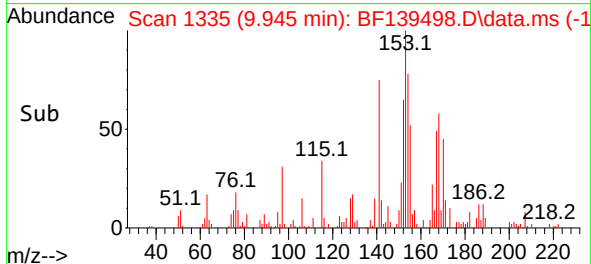
Instrument :
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WC-14-5-7.5A



Tgt Ion:154 Resp: 2506
Ion Ratio Lower Upper
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153 129.3 89.5 134.3
152 86.6 42.6 64.0

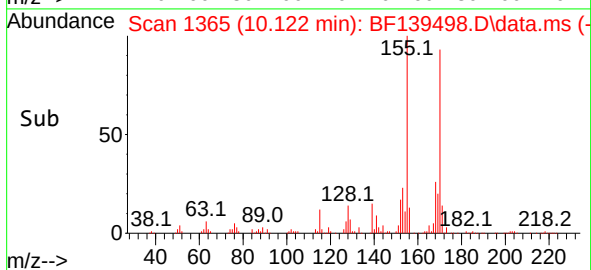
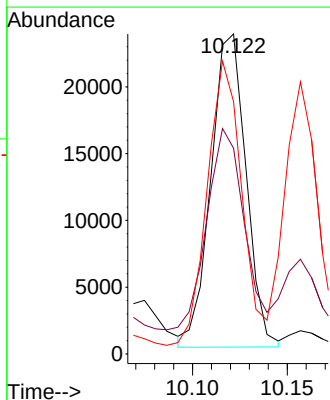
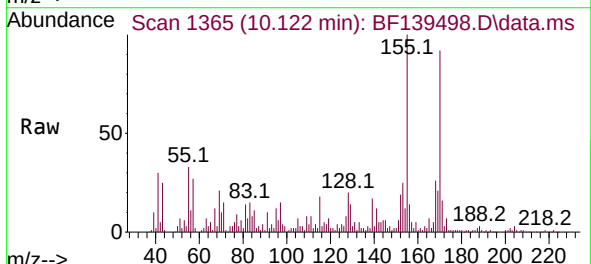
Manual Integrations
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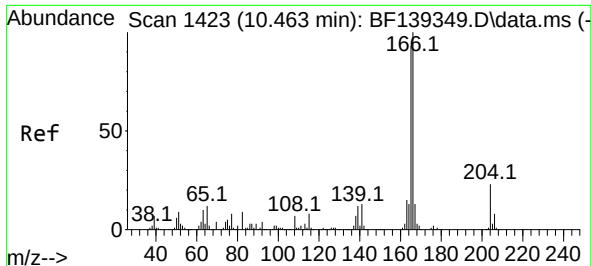
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#55
Dibenzofuran
Concen: 2.808 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

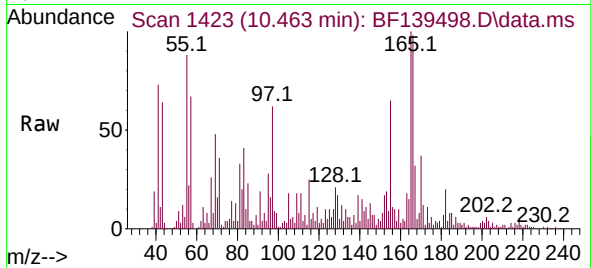
Tgt Ion:168 Resp: 30219
Ion Ratio Lower Upper
168 100
139 64.3 34.1 51.1#
169 78.8 10.5 15.7#





#58
Fluorene
Concen: 5.661 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

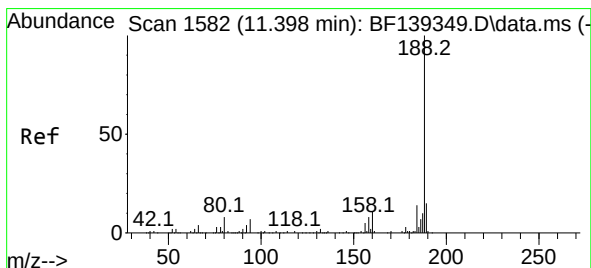
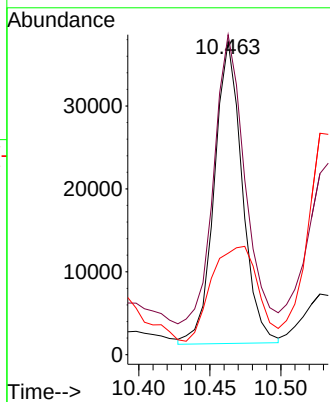
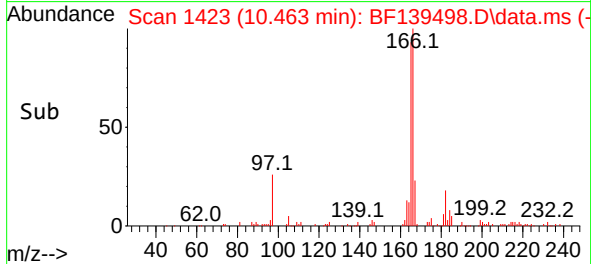
Instrument :
BNA_F
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WC-14-5-7.5A



Tgt Ion:166 Resp: 49715
Ion Ratio Lower Upper
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165 102.2 74.5 111.7
167 32.4 10.6 16.0

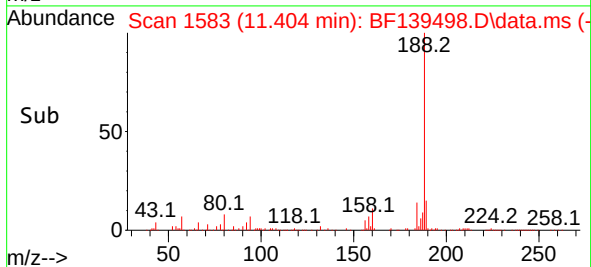
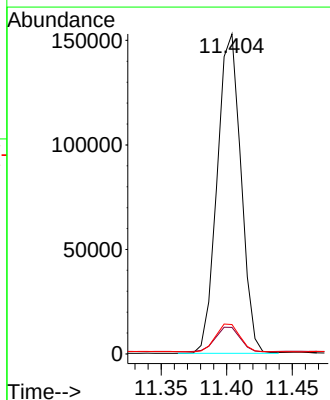
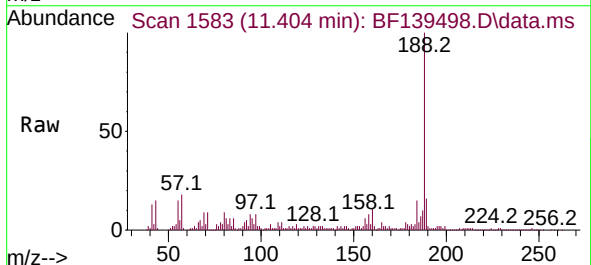
Manual Integrations
APPROVED

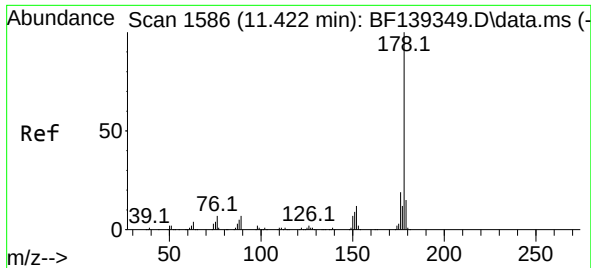
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

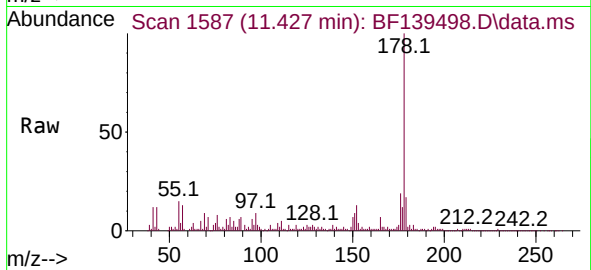
Tgt Ion:188 Resp: 192815
Ion Ratio Lower Upper
188 100
94 8.3 5.5 8.3#
80 9.2 6.6 9.8





#71
Phenanthrene
Concen: 20.470 ng
RT: 11.427 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

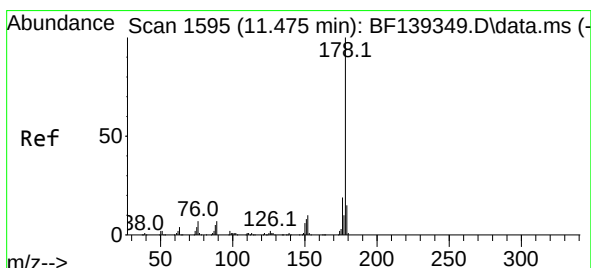
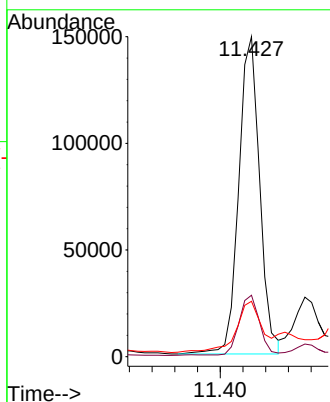
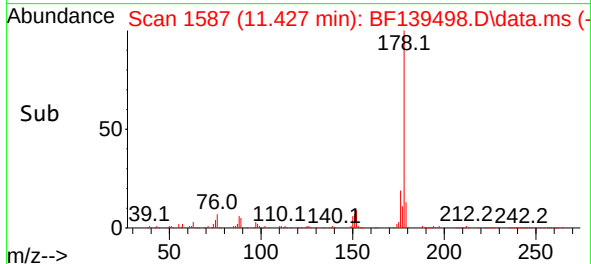
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A



Tgt Ion:178 Resp: 190425
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 17.3 12.2 18.4

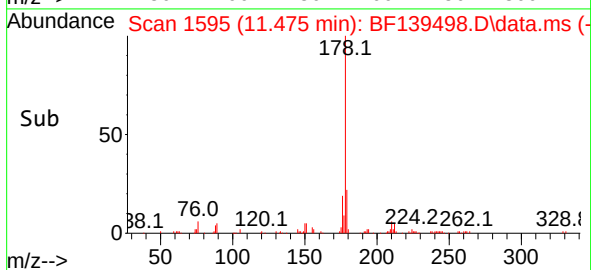
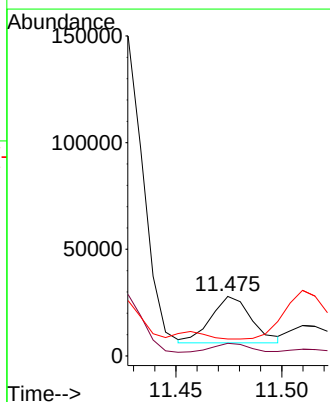
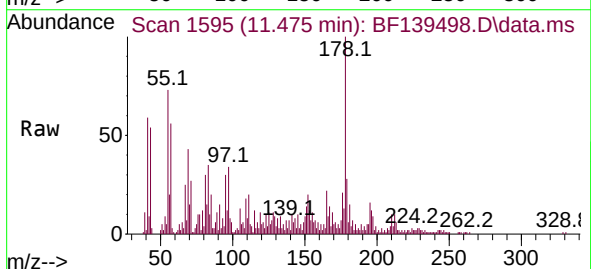
Manual Integrations
APPROVED

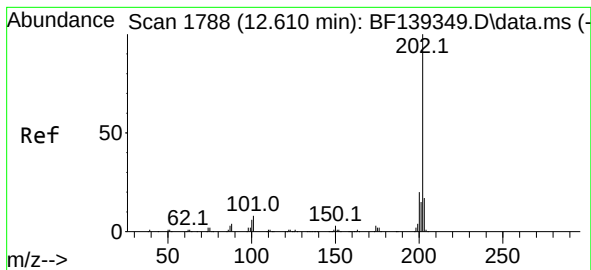
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#72
Anthracene
Concen: 3.177 ng m
RT: 11.475 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

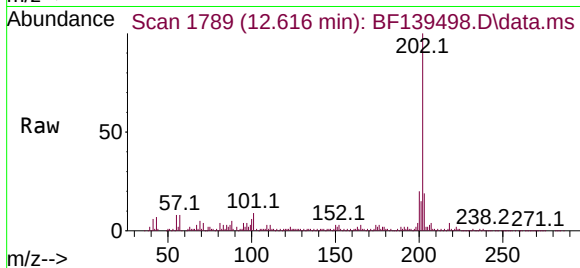
Tgt Ion:178 Resp: 28900
Ion Ratio Lower Upper
178 100
176 21.1 15.0 22.6
179 28.4 12.0 18.0#





#75
Fluoranthene
Concen: 15.602 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

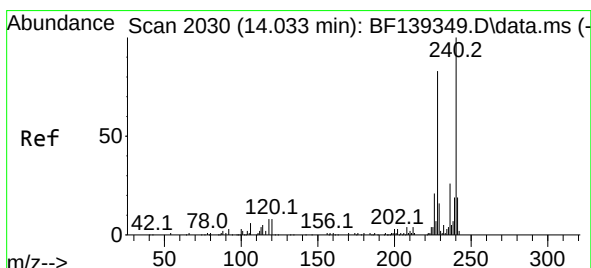
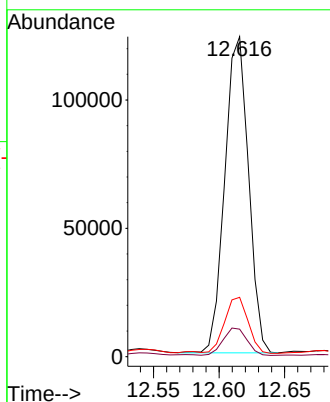
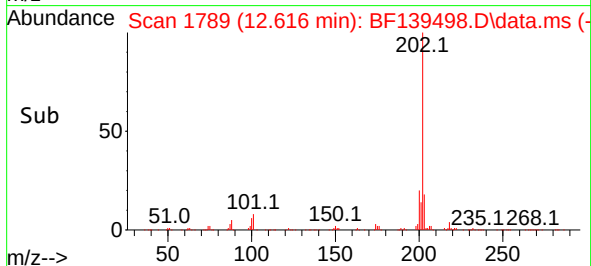
Instrument :
BNA_F
ClientSampleId :
WC-14-5-7.5A



Tgt Ion:202 Resp: 154998
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.7
203 18.5 0.0 37.4

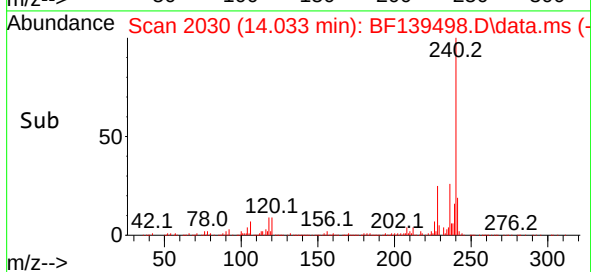
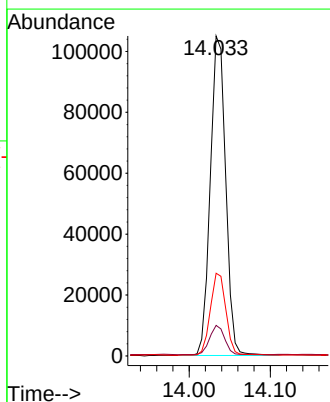
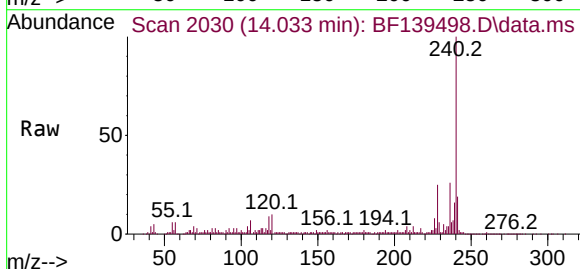
Manual Integrations
APPROVED

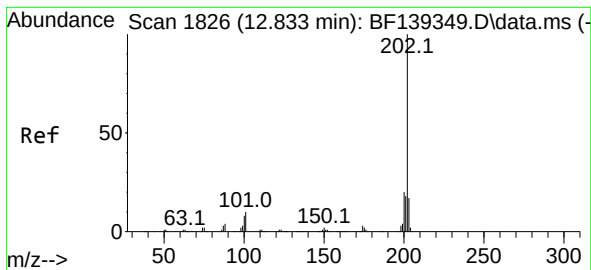
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Tgt Ion:240 Resp: 138154
Ion Ratio Lower Upper
240 100
120 9.6 6.2 9.2#
236 25.9 20.9 31.3





#78

Pyrene

Concen: 13.760 ng

RT: 12.839 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

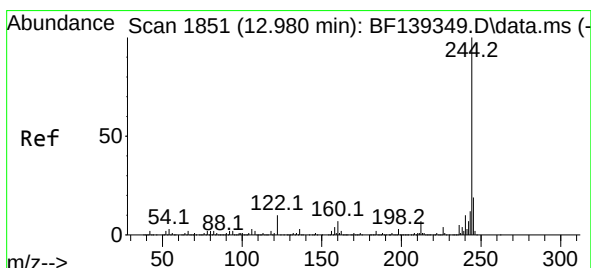
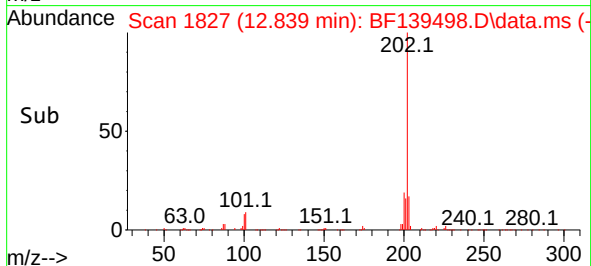
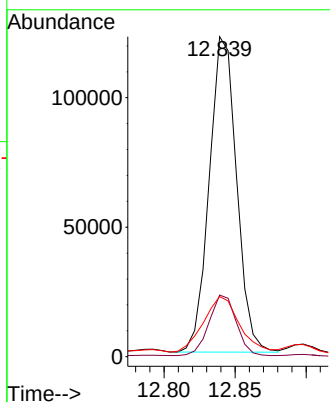
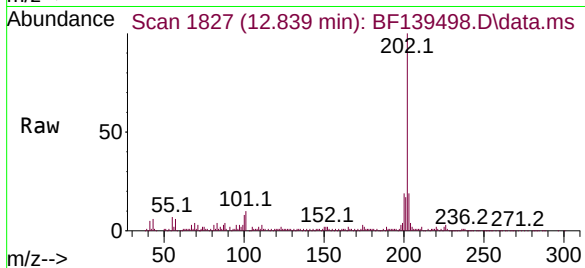
WC-14-5-7.5A

Tgt Ion:	202	Resp:	16323
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.2	24.2
203	18.8	13.9	20.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#79

Terphenyl-d14

Concen: 50.552 ng

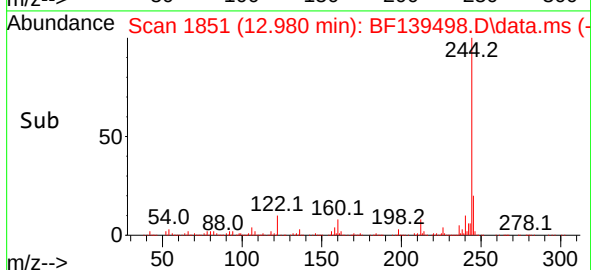
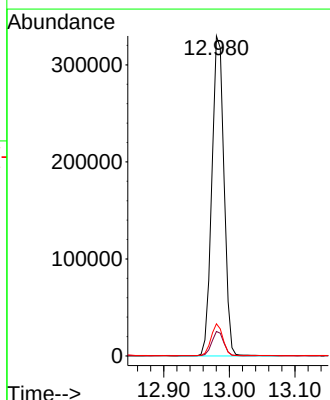
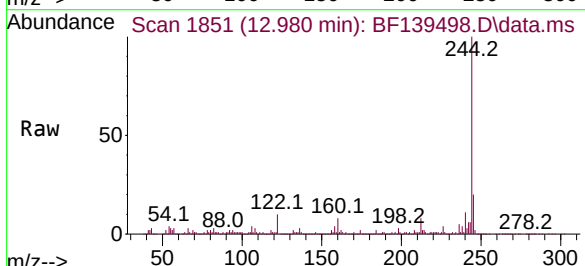
RT: 12.980 min Scan# 1851

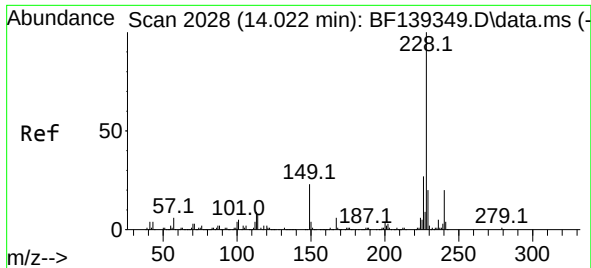
Delta R.T. -0.000 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Tgt Ion:	244	Resp:	425490
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	10.1	7.6	11.4





#81
Benzo(a)anthracene
Concen: 5.917 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

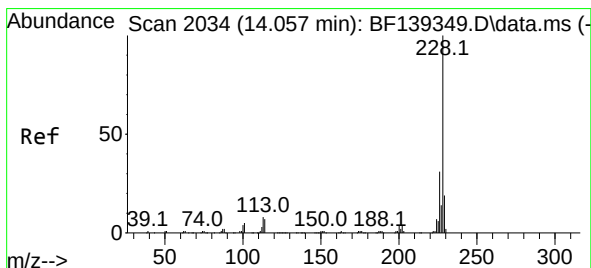
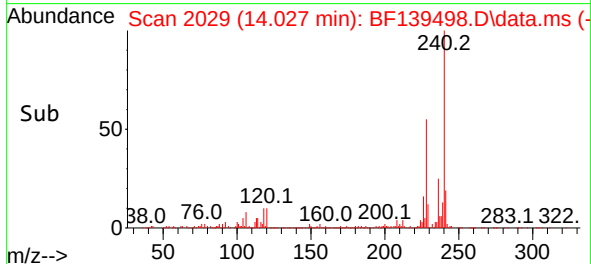
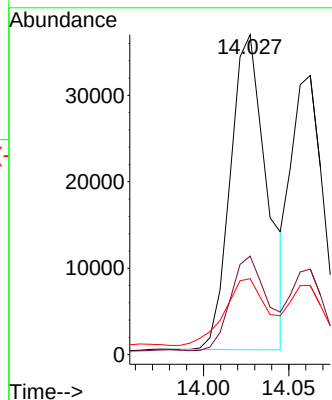
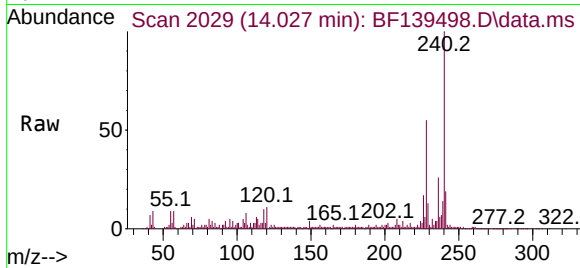
WC-14-5-7.5A

Tgt Ion:228 Resp: 5414
Ion Ratio Lower Upper
228 100
226 30.8 21.6 32.4
229 23.8 15.7 23.5

Manual Integrations

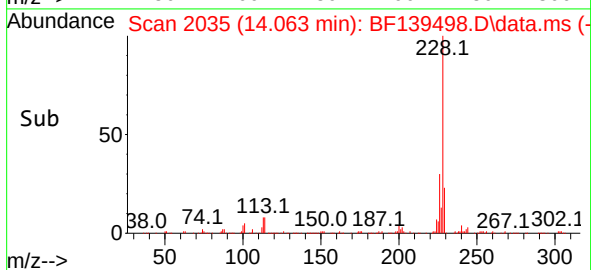
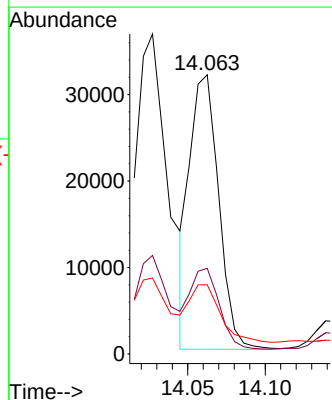
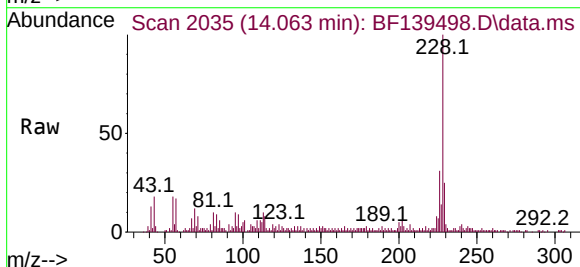
APPROVED

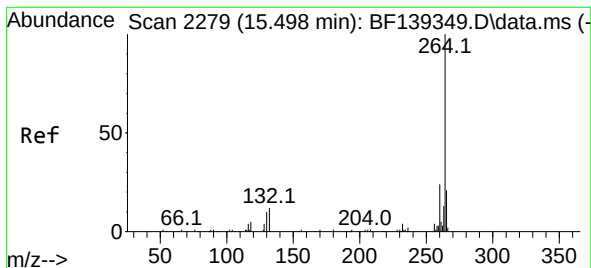
Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#83
Chrysene
Concen: 4.917 ng
RT: 14.063 min Scan# 2035
Delta R.T. 0.006 min
Lab File: BF139498.D
Acq: 20 Sep 2024 13:19

Tgt Ion:228 Resp: 41394
Ion Ratio Lower Upper
228 100
226 30.7 24.1 36.1
229 24.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

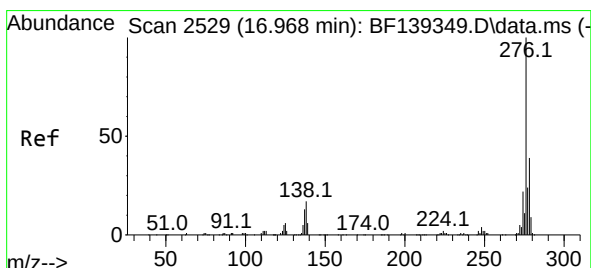
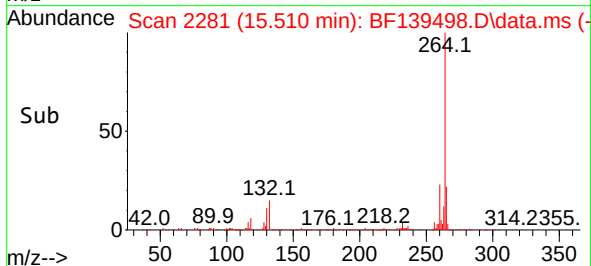
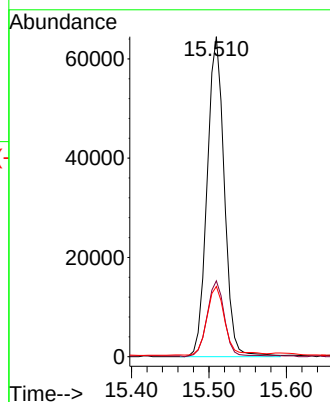
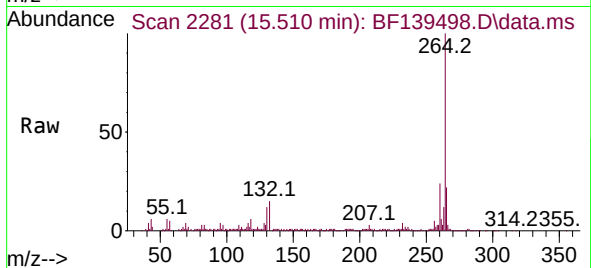
WC-14-5-7.5A

Tgt Ion:	264	Resp:	9950
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.5	29.3
265	22.0	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.120 ng

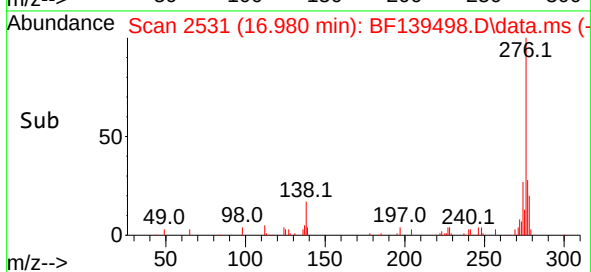
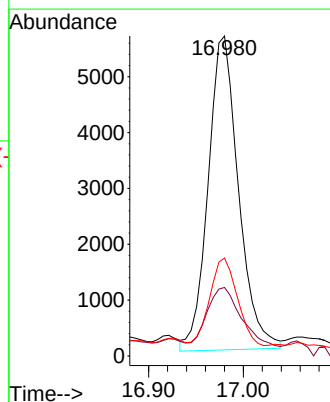
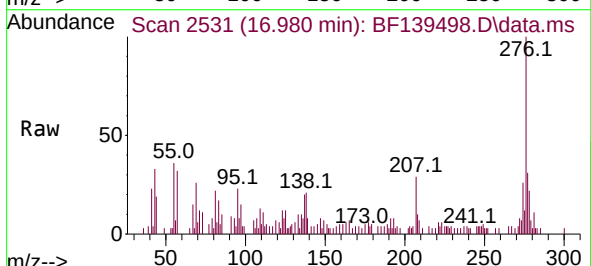
RT: 16.980 min Scan# 2531

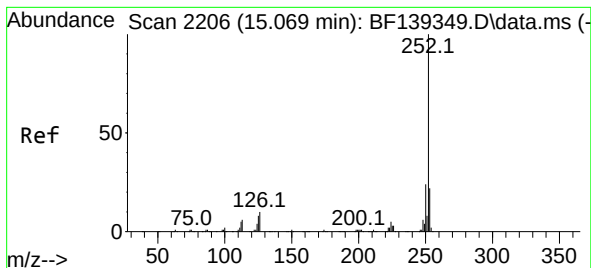
Delta R.T. 0.012 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Tgt Ion:	276	Resp:	12546
Ion Ratio	Lower	Upper	
276	100		
138	21.8	15.4	23.2
277	26.2	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 5.738 ng m

RT: 15.080 min Scan# 2210

Delta R.T. 0.012 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

WC-14-5-7.5A

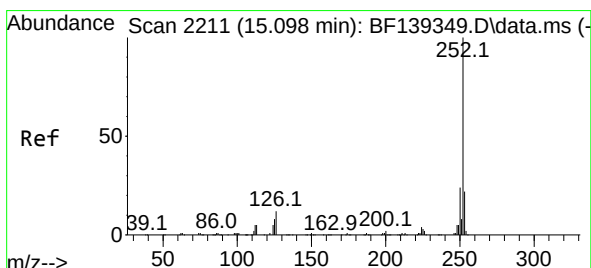
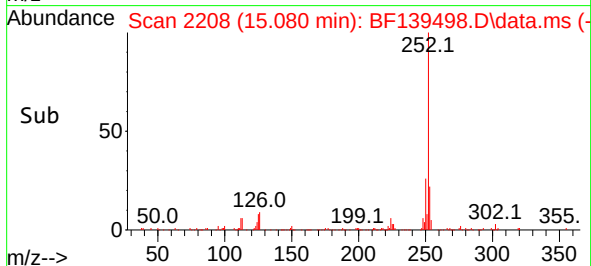
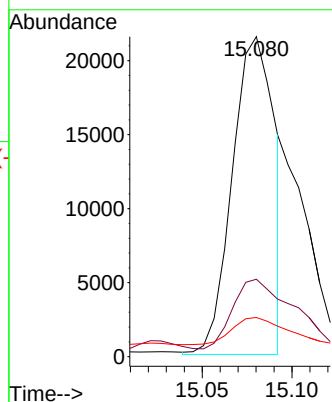
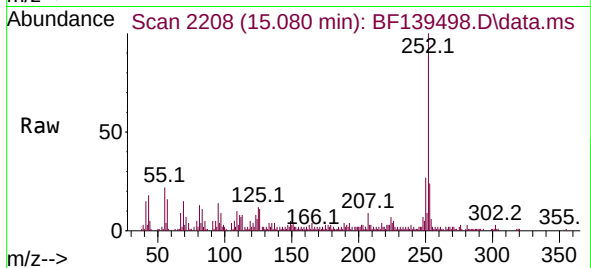
Tgt Ion:252 Resp: 3521

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	12.3	6.2	9.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#89

Benzo(k)fluoranthene

Concen: 2.631 ng m

RT: 15.092 min Scan# 2210

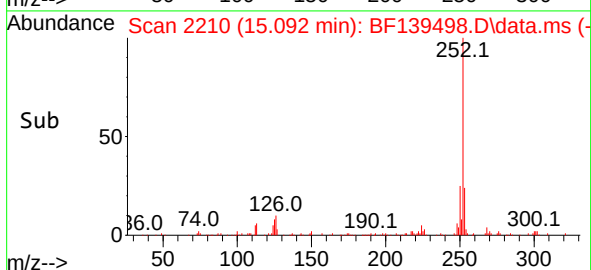
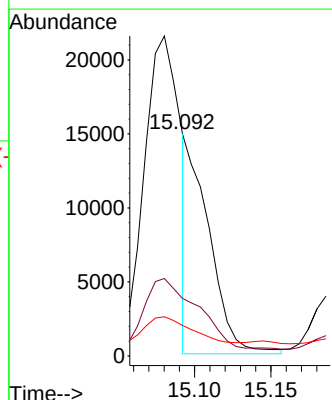
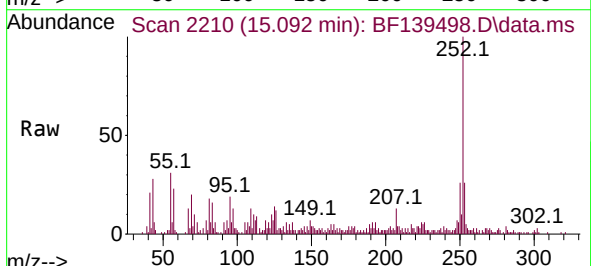
Delta R.T. -0.006 min

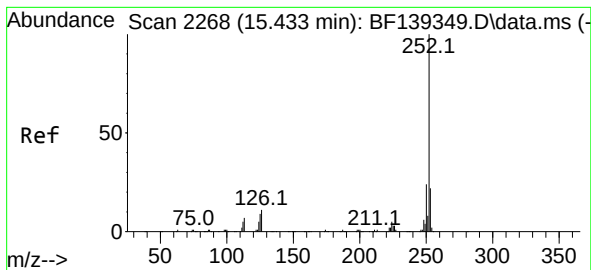
Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Tgt Ion:252 Resp: 14885

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.3	25.9
125	13.8	5.9	8.9





#90

Benzo(a)pyrene

Concen: 4.839 ng

RT: 15.445 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Instrument :

BNA_F

ClientSampleId :

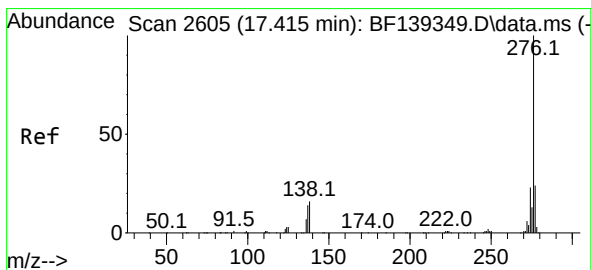
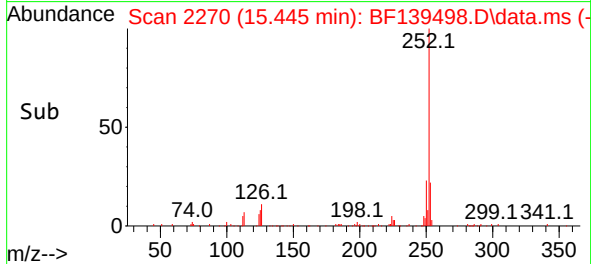
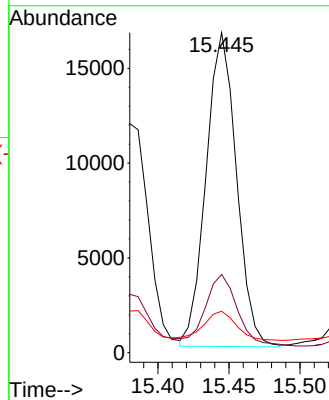
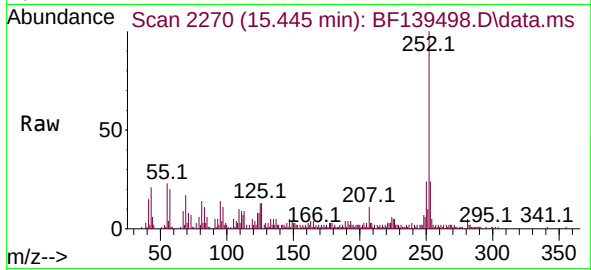
WC-14-5-7.5A

Tgt Ion:	252	Resp:	24628
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.3	25.9
125	12.9	6.8	10.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/20/2024
Supervised By :mohammad ahmed 09/22/2024



#92

Benzo(g,h,i)perylene

Concen: 3.000 ng

RT: 17.427 min Scan# 2607

Delta R.T. 0.012 min

Lab File: BF139498.D

Acq: 20 Sep 2024 13:19

Tgt Ion:	276	Resp:	14522
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.9	28.3
138	20.4	13.0	19.6

