

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135290.D
 Acq On : 15 Sep 2023 20:57
 Operator : CG\JU
 Sample : 04409-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4(0-6)COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 16 01:55:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	106639	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	358382	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	148709	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	256093	20.000	ng	0.00
76) Chrysene-d12	13.957	240	170349	20.000	ng	# 0.01
86) Perylene-d12	15.439	264	159530	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	549476	83.805	ng	0.00
7) Phenol-d6	6.398	99	662721	79.491	ng	0.00
23) Nitrobenzene-d5	7.322	82	385431	58.430	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	126907	85.875	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	612148	62.105	ng	-0.01
79) Terphenyl-d14	12.892	244	505543	46.005	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	84089	6.943	ng	98
75) Fluoranthene	12.510	202	142415	11.284	ng	95
78) Pyrene	12.739	202	131195	8.089	ng	97
81) Benzo(a)anthracene	13.945	228	59583	5.417	ng	# 83
83) Chrysene	13.980	228	52395	4.791	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.915	276	24676	2.359	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	54423m	6.302	ng	
89) Benzo(k)fluoranthene	15.033	252	23295m	2.731	ng	
90) Benzo(a)pyrene	15.374	252	38234	4.643	ng	# 23
92) Benzo(g,h,i)perylene	17.368	276	26208	2.932	ng	# 89

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

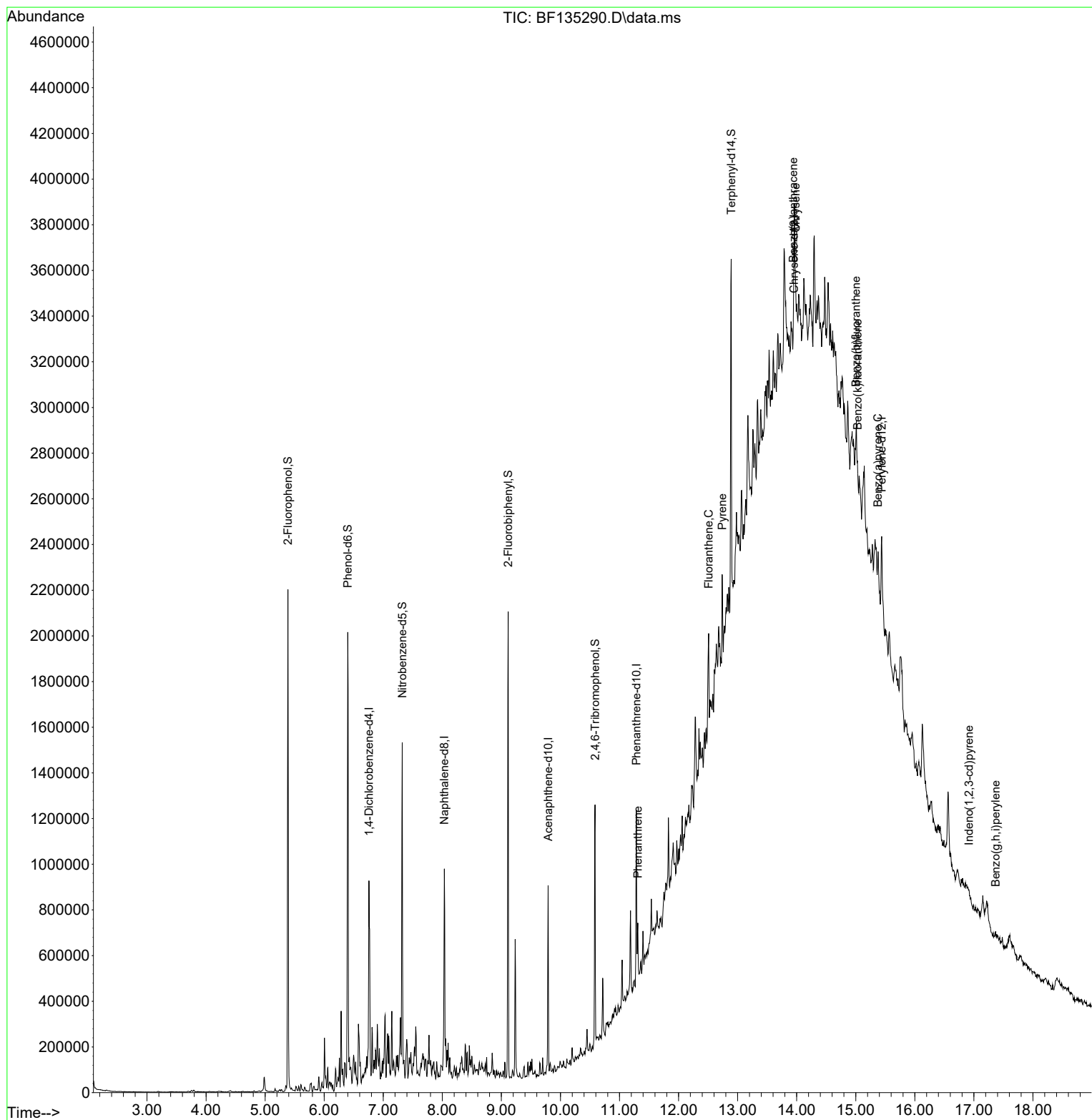
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135290.D
Acq On : 15 Sep 2023 20:57
Operator : CG\JU
Sample : 04409-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

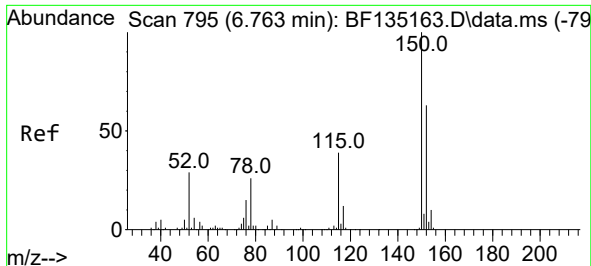
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

Quant Time: Sep 16 01:55:59 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
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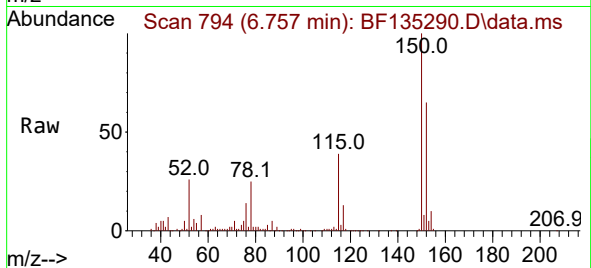
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

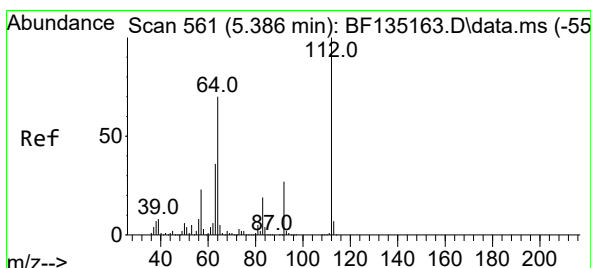
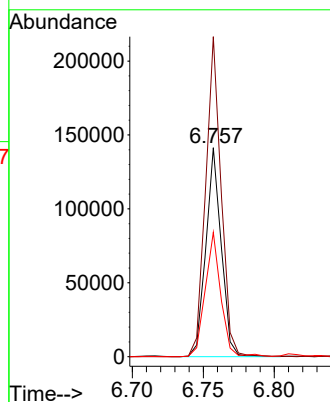
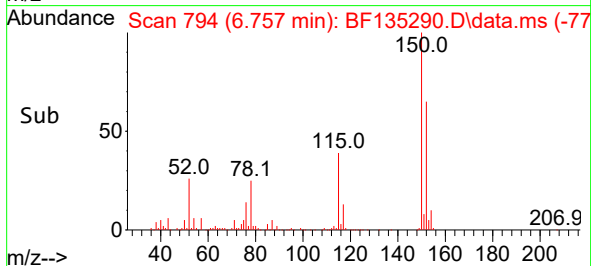
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP



Tgt Ion:152 Resp: 106639
Ion Ratio Lower Upper
152 100
150 153.1 127.8 191.6
115 59.5 49.8 74.8

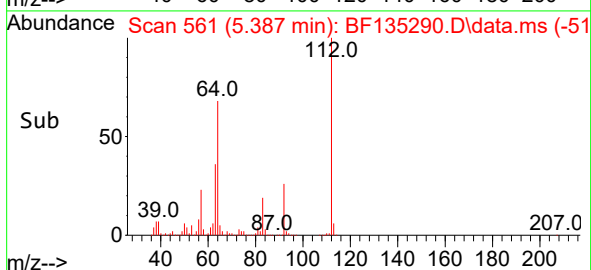
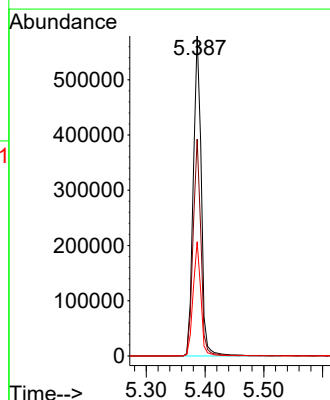
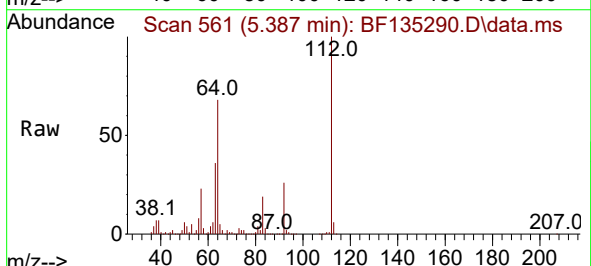
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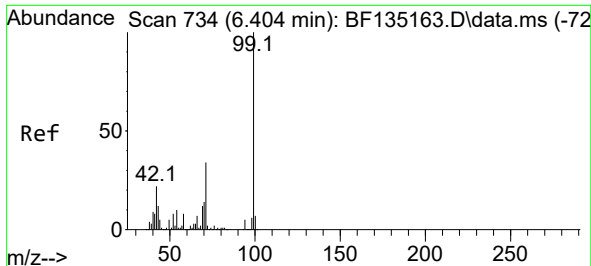
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 83.805 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

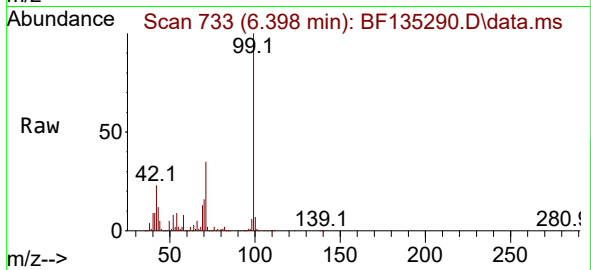
Tgt Ion:112 Resp: 549476
Ion Ratio Lower Upper
112 100
64 67.7 55.9 83.9
63 35.7 29.0 43.6





#7
Phenol-d6
Concen: 79.491 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

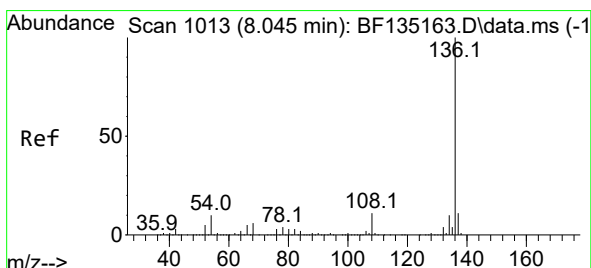
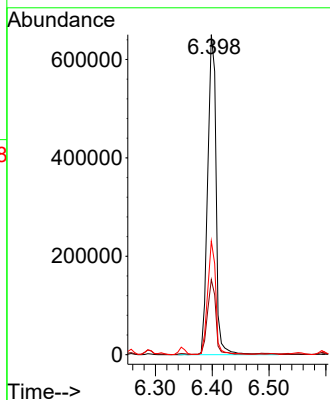
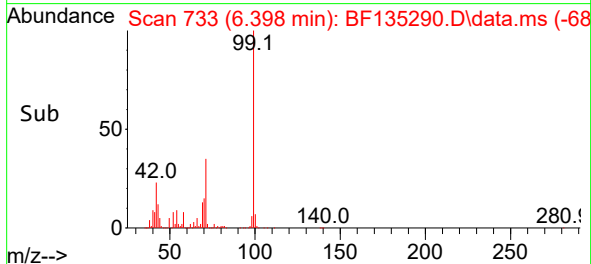
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP



Tgt Ion: 99 Resp: 66272
Ion Ratio Lower Upper
99 100
42 23.5 17.9 26.9
71 35.5 27.0 40.6

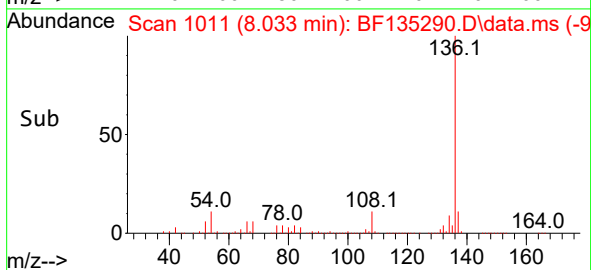
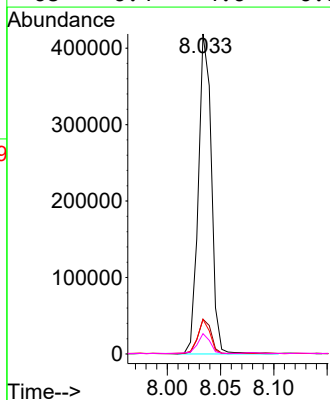
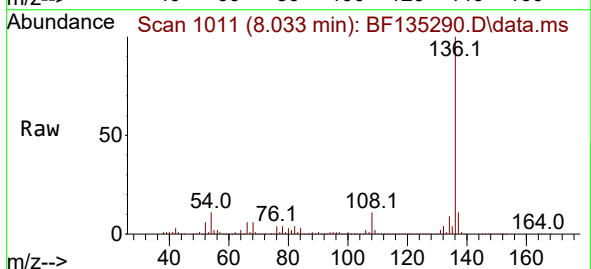
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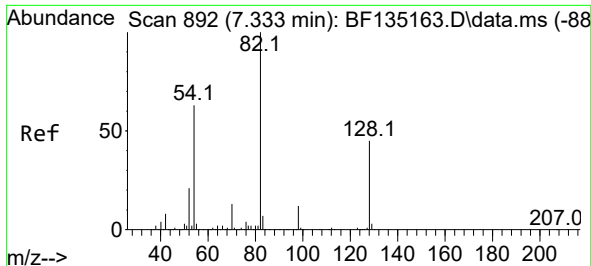
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

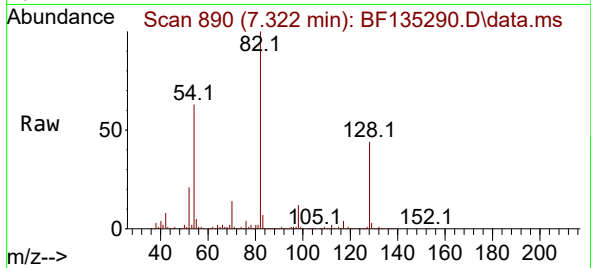
Tgt Ion:136 Resp: 358382
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.8 7.7 11.5
68 6.4 4.6 6.8





#23
Nitrobenzene-d5
Concen: 58.430 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

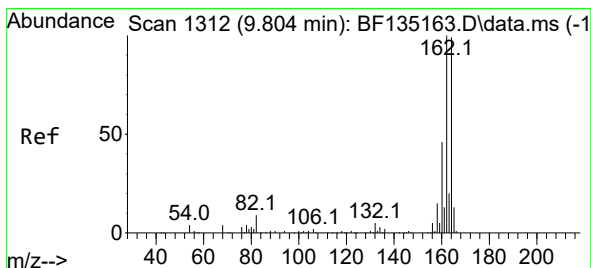
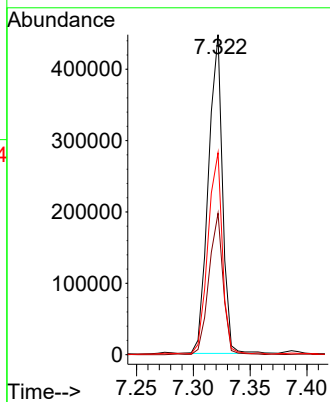
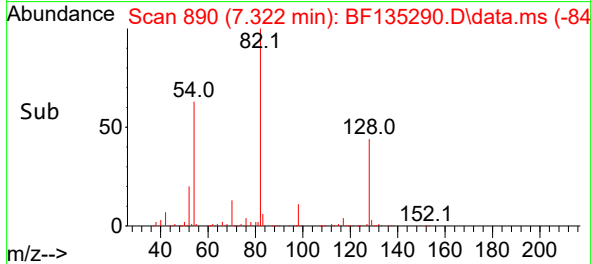
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP



Tgt Ion: 82 Resp: 38543
Ion Ratio Lower Upper
82 100
128 44.2 35.8 53.6
54 63.1 50.6 76.0

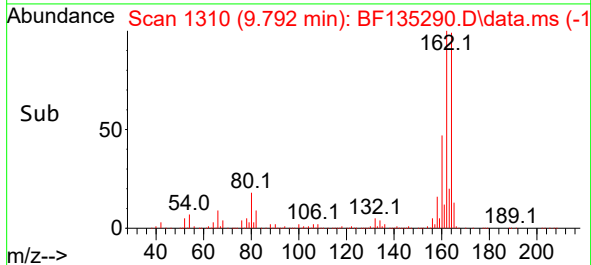
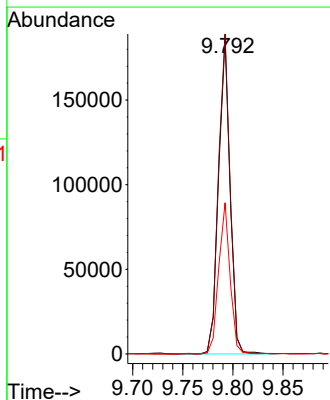
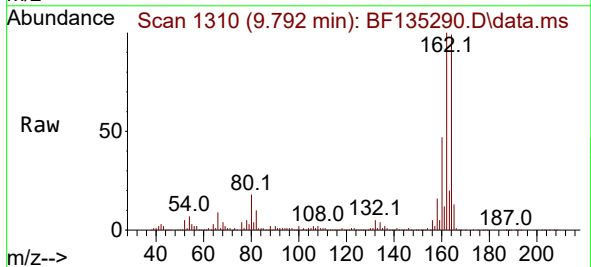
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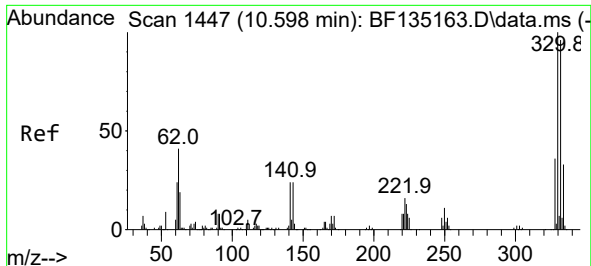
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

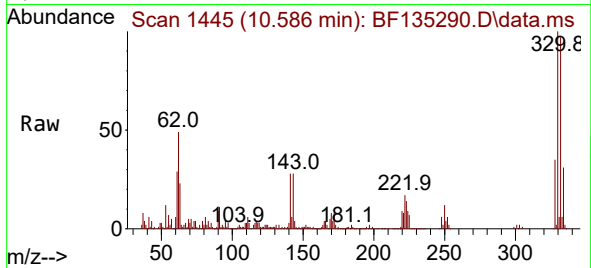
Tgt Ion:164 Resp: 148709
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 47.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 85.875 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

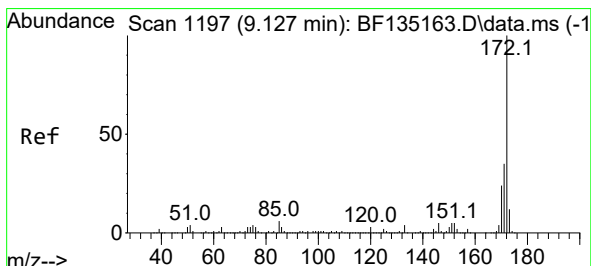
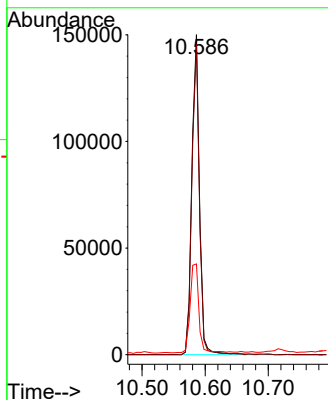
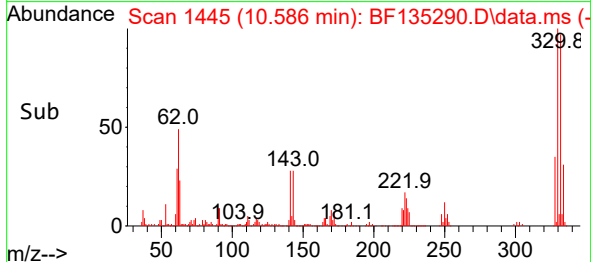
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP



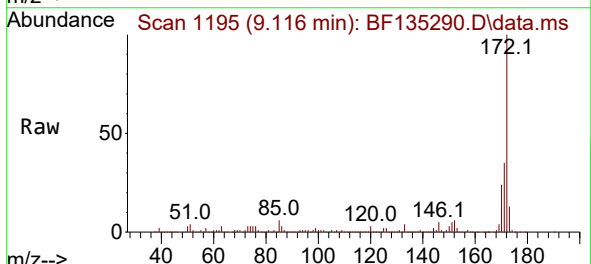
Tgt Ion: 330 Resp: 12690
Ion Ratio Lower Upper
330 100
332 94.7 77.3 115.9
141 31.8 25.8 38.8

Manual Integrations
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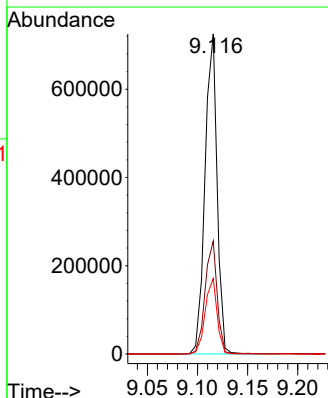
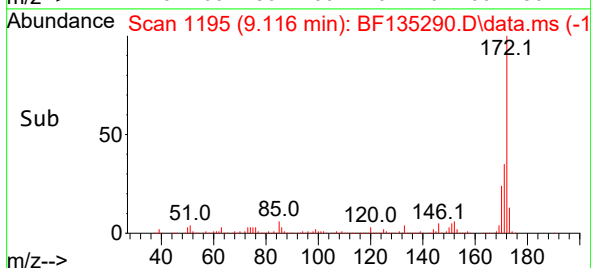
Reviewed By : Yogesh Patel 09/18/2023
Supervised By : mohammad ahmed 09/19/2023

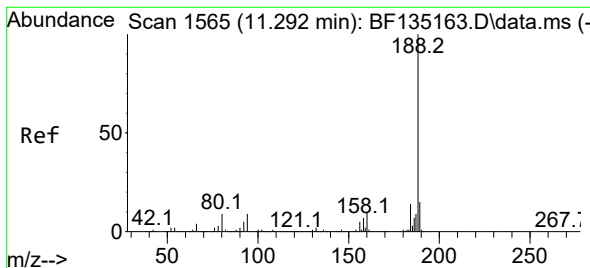


#45
2-Fluorobiphenyl
Concen: 62.105 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57



Tgt Ion: 172 Resp: 612148
Ion Ratio Lower Upper
172 100
171 35.3 28.4 42.6
170 23.6 19.0 28.4





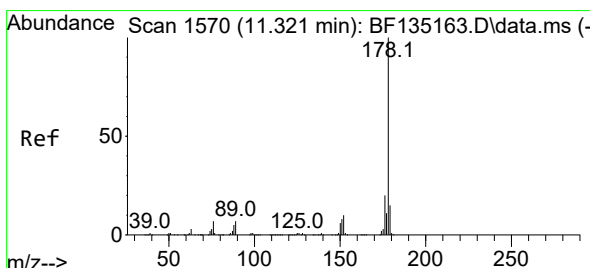
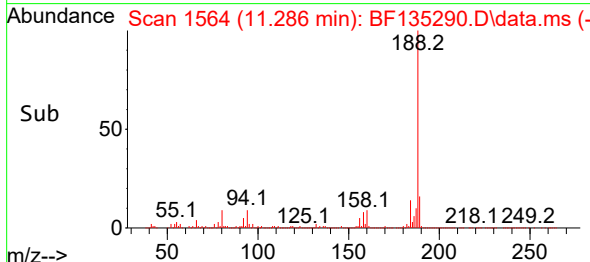
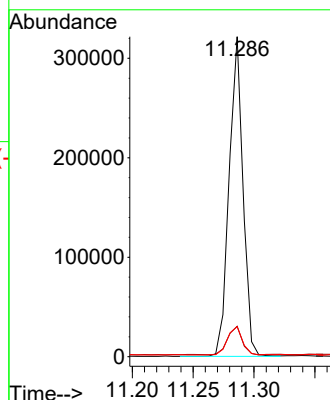
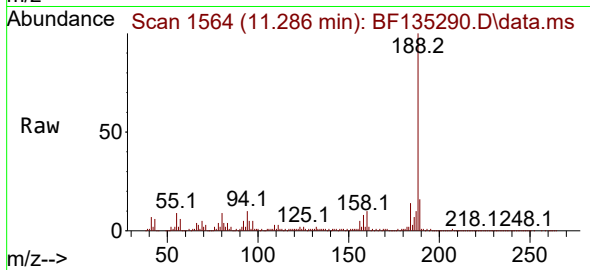
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

Tgt Ion:188 Resp: 25609
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 9.4 7.5 11.3

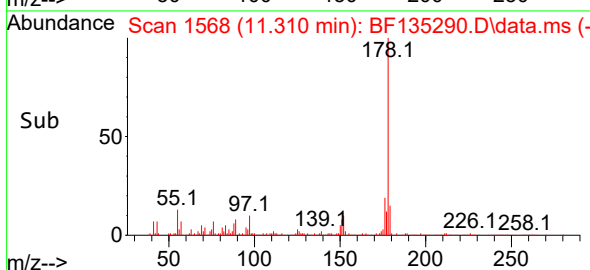
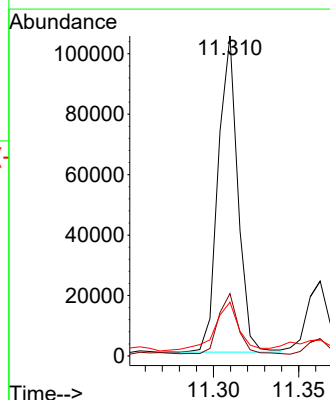
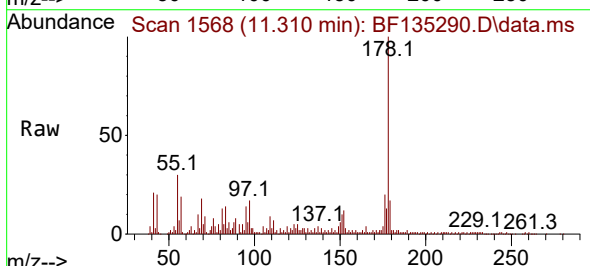
Manual Integrations
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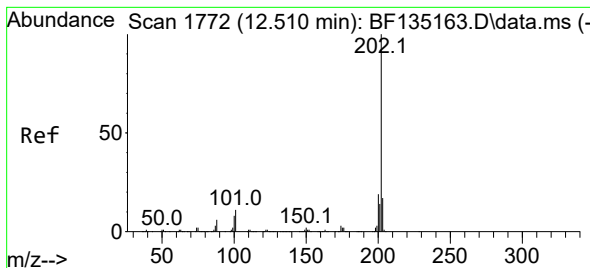
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 6.943 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion:178 Resp: 84089
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 16.8 12.0 18.0





#75

Fluoranthene

Concen: 11.284 ng

RT: 12.510 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135290.D

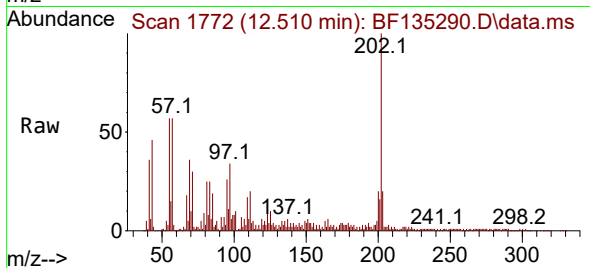
Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP



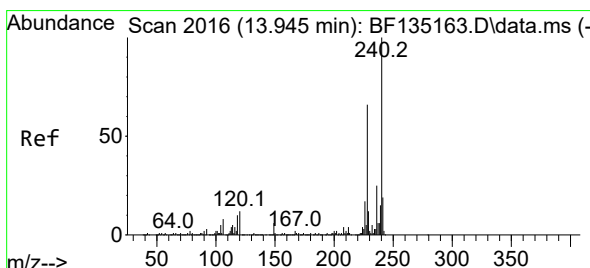
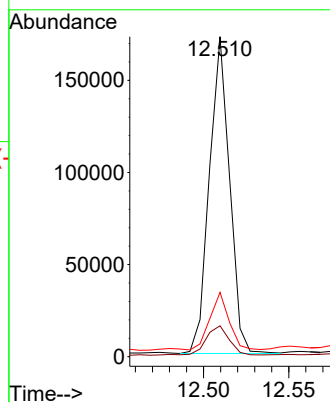
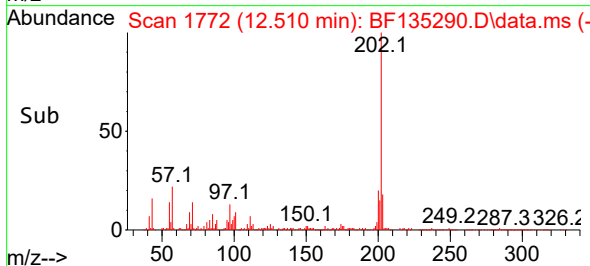
Tgt Ion:	202	Resp:	14241
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	31.3
203	20.1	0.0	37.4

Manual Integrations

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Supervised By :mohammad ahmed 09/19/2023



#76

Chrysene-d12

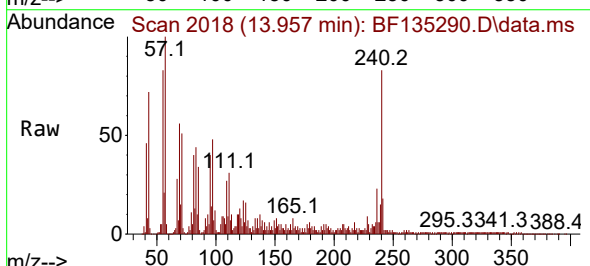
Concen: 20.000 ng

RT: 13.957 min Scan# 2018

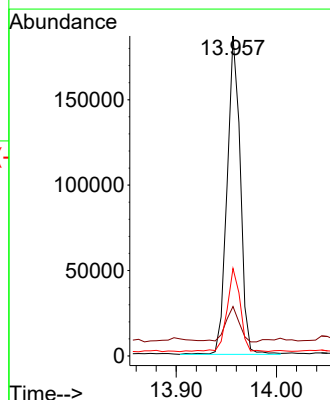
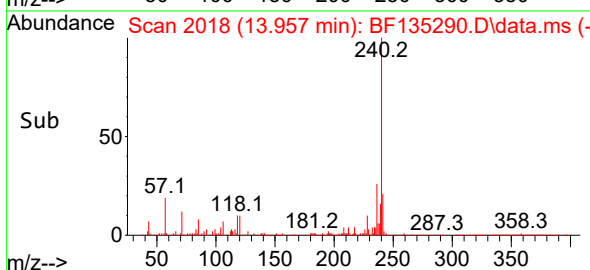
Delta R.T. 0.012 min

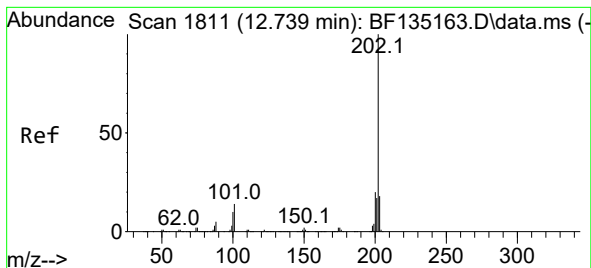
Lab File: BF135290.D

Acq: 15 Sep 2023 20:57



Tgt Ion:	240	Resp:	170349
Ion Ratio	Lower	Upper	
240	100		
120	15.4	9.4	14.2
236	27.4	19.8	29.8





#78

Pyrene

Concen: 8.089 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

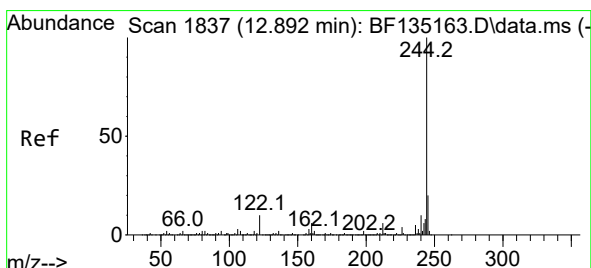
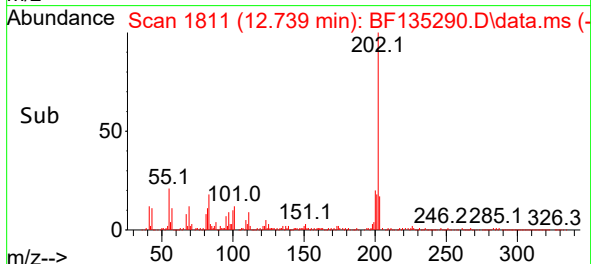
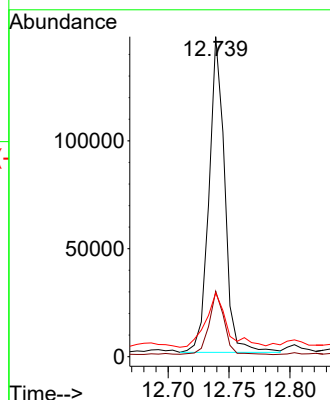
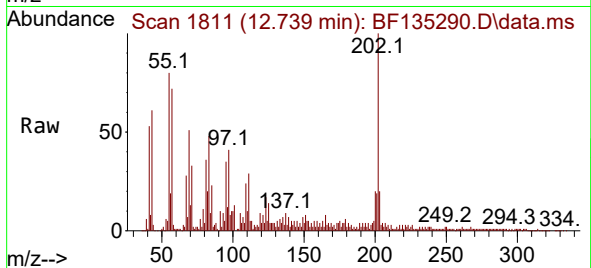
Tgt Ion:	202	Resp:	13119
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.2	24.2
203	19.9	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#79

Terphenyl-d14

Concen: 46.005 ng

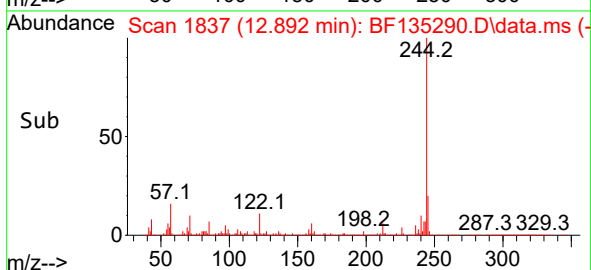
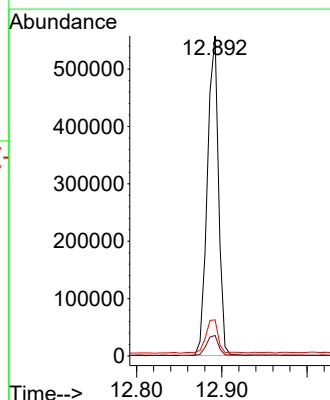
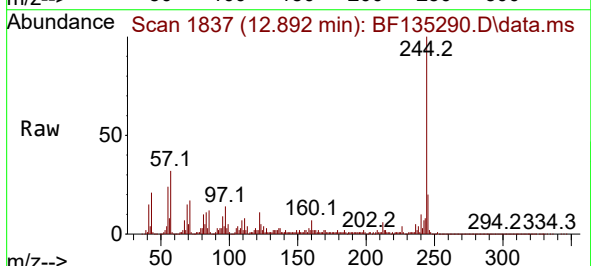
RT: 12.892 min Scan# 1837

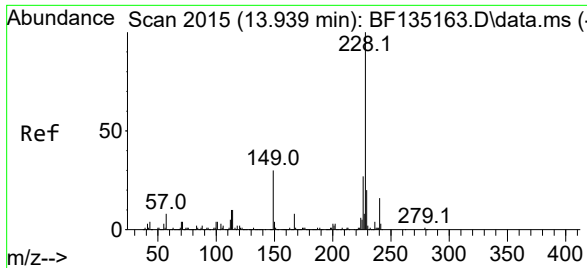
Delta R.T. 0.000 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

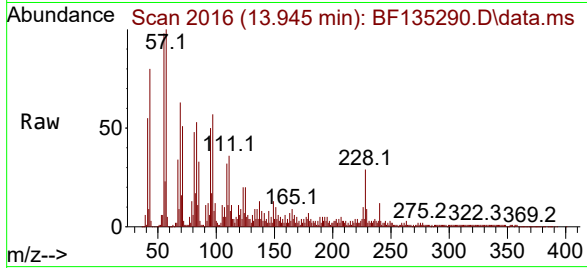
Tgt Ion:	244	Resp:	505543
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.1	7.7
122	11.3	7.9	11.9





#81
Benzo(a)anthracene
Concen: 5.417 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

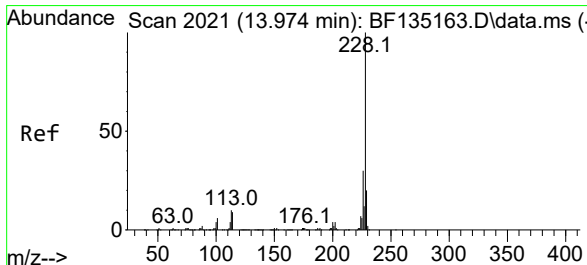
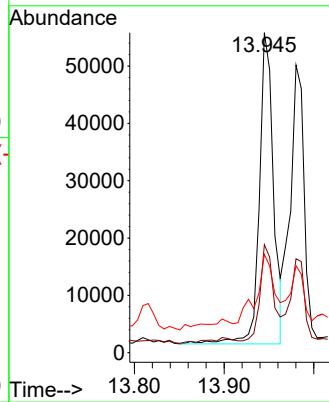
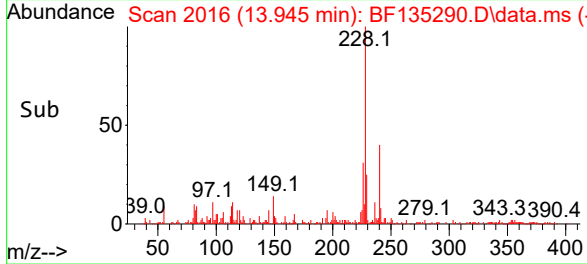
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP



Tgt Ion:228 Resp: 5958
Ion Ratio Lower Upper
228 100
226 33.7 21.7 32.5
229 30.7 15.8 23.8

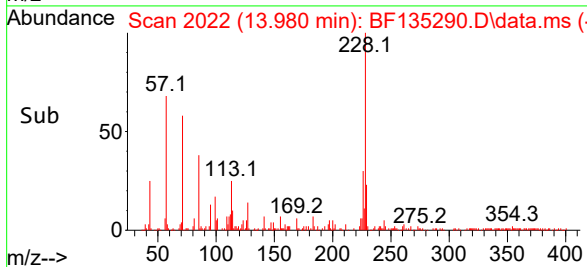
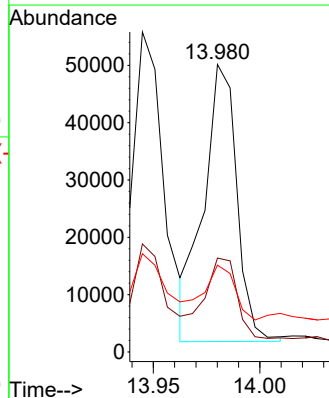
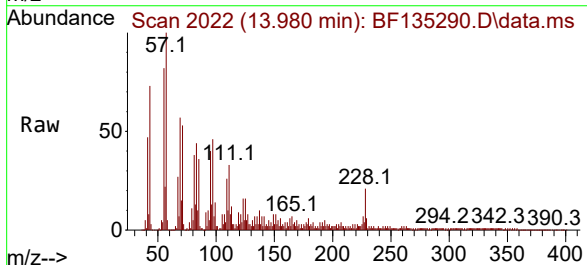
Manual Integrations
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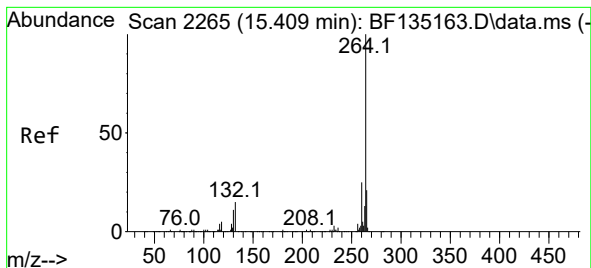
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#83
Chrysene
Concen: 4.791 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Tgt Ion:228 Resp: 52395
Ion Ratio Lower Upper
228 100
226 32.6 24.3 36.5
229 30.2 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Instrument :

BNA_F

ClientSampleId :

WC-4(0-6)COMP

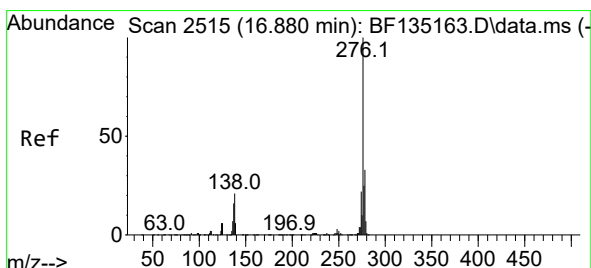
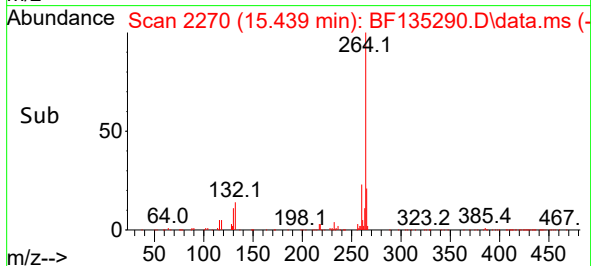
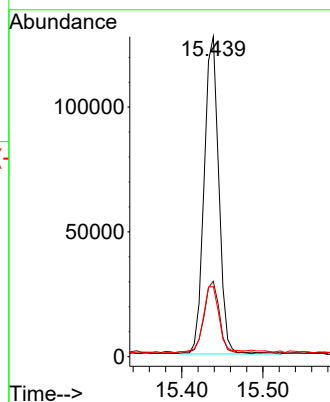
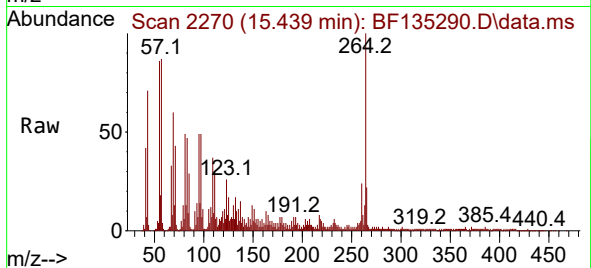
Tgt Ion:	264	Resp:	159530
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.8	29.6
265	21.9	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.359 ng

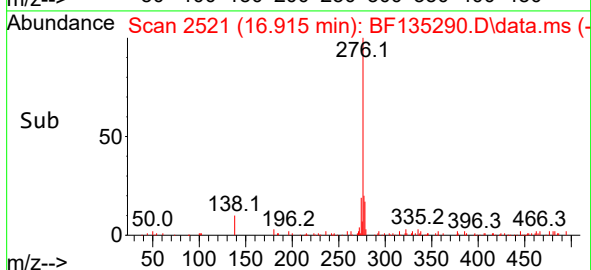
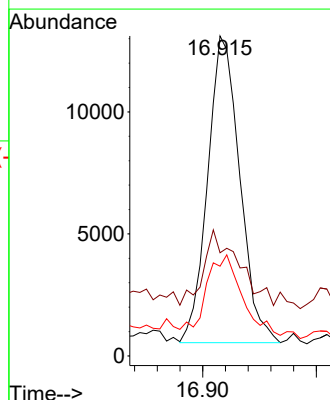
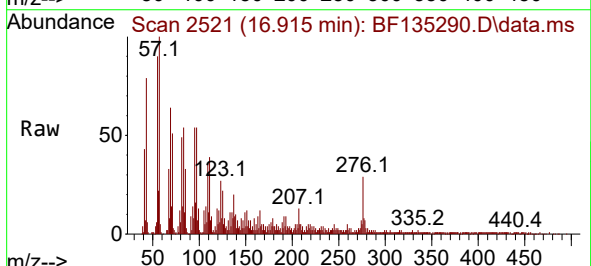
RT: 16.915 min Scan# 2521

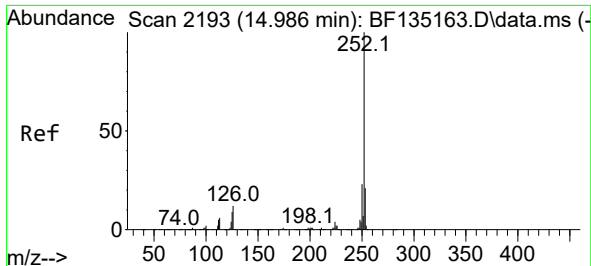
Delta R.T. 0.035 min

Lab File: BF135290.D

Acq: 15 Sep 2023 20:57

Tgt Ion:	276	Resp:	24676
Ion Ratio	Lower	Upper	
276	100		
138	30.7	19.2	28.8
277	28.8	19.7	29.5





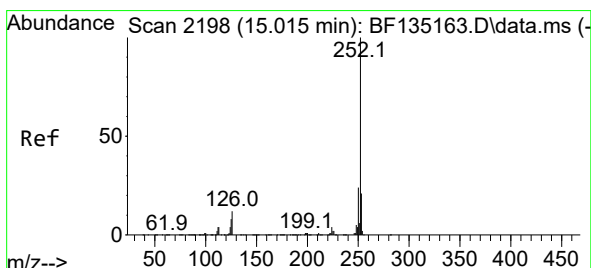
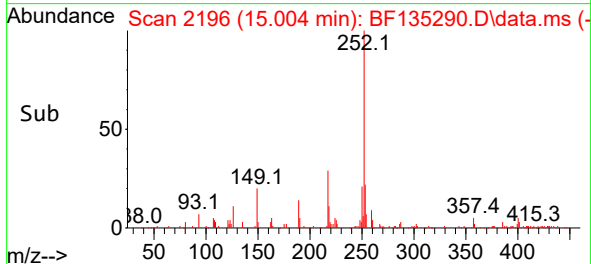
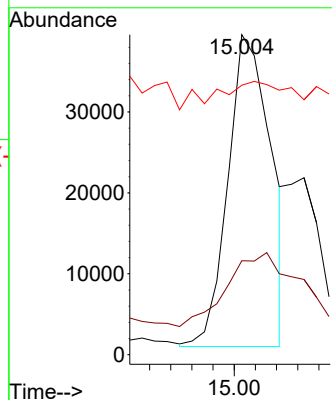
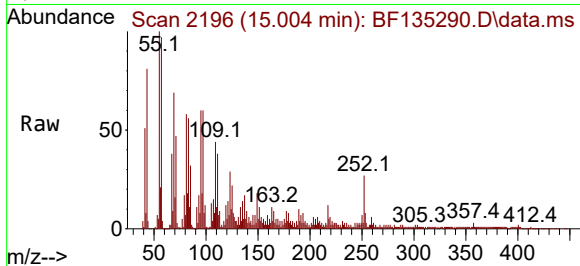
#88
Benzo(b)fluoranthene
Concen: 6.302 ng m
RT: 15.004 min Scan# 2193
Delta R.T. 0.018 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP

Tgt Ion:252 Resp: 5442
Ion Ratio Lower Upper
252 100
253 29.4 17.2 25.8
125 84.2 7.1 10.7

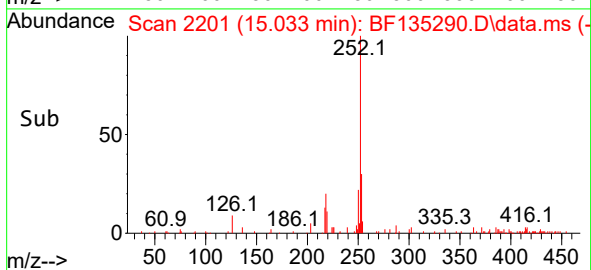
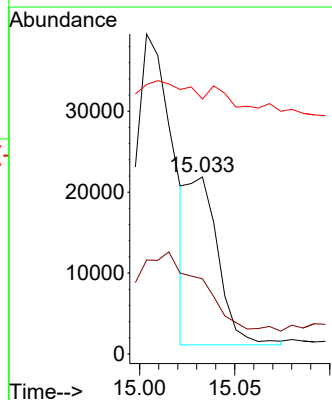
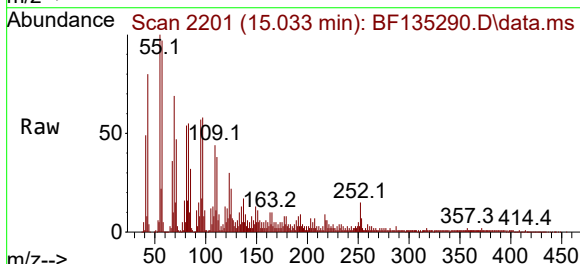
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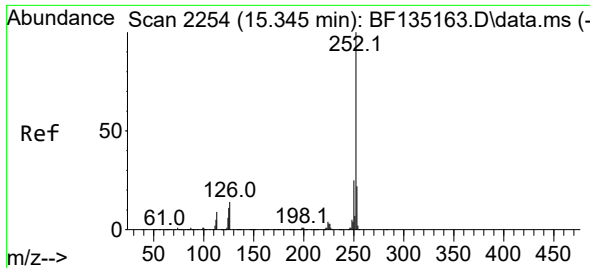
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#89
Benzo(k)fluoranthene
Concen: 2.731 ng m
RT: 15.033 min Scan# 2201
Delta R.T. 0.018 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

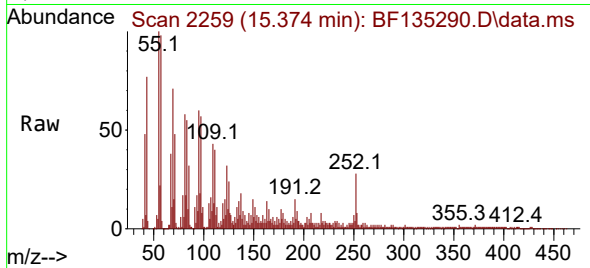
Tgt Ion:252 Resp: 23295
Ion Ratio Lower Upper
252 100
253 42.5 17.4 26.0#
125 144.1 7.2 10.8#





#90
Benzo(a)pyrene
Concen: 4.643 ng
RT: 15.374 min Scan# 2254
Delta R.T. 0.029 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57

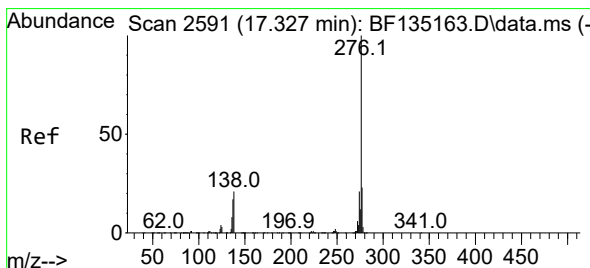
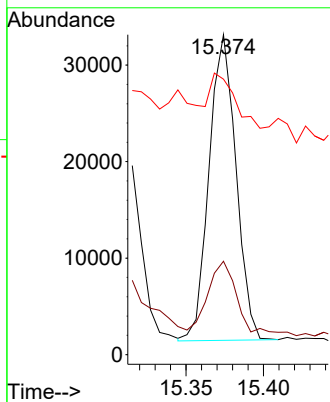
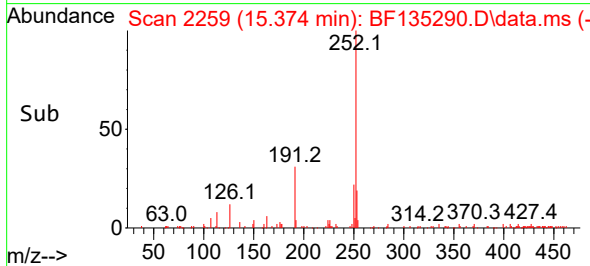
Instrument :
BNA_F
ClientSampleId :
WC-4(0-6)COMP



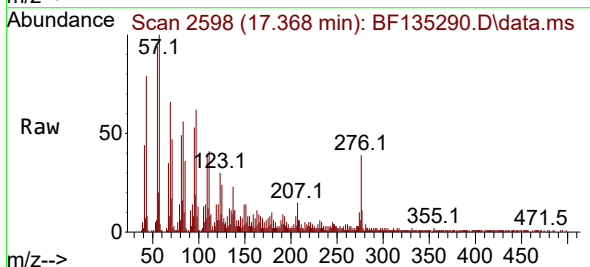
Tgt Ion:252 Resp: 38234
Ion Ratio Lower Upper
252 100
253 29.2 17.5 26.3
125 86.1 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#92
Benzo(g,h,i)perylene
Concen: 2.932 ng
RT: 17.368 min Scan# 2598
Delta R.T. 0.041 min
Lab File: BF135290.D
Acq: 15 Sep 2023 20:57



Tgt Ion:276 Resp: 26208
Ion Ratio Lower Upper
276 100
277 27.3 18.8 28.2
138 28.2 16.9 25.3

