

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135463.D
 Acq On : 26 Sep 2023 20:31
 Operator : CG\JU
 Sample : 04587-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-09222023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 27 02:17:06 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 26 01:36:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	128283	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	439837	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	189413	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	352208	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	225026	20.000	ng	0.00
86) Perylene-d12	15.415	264	184742	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	453886	57.546	ng	0.00
7) Phenol-d6	6.398	99	539468	53.790	ng	0.00
23) Nitrobenzene-d5	7.316	82	304269	37.584	ng	0.00
42) 2,4,6-Tribromophenol	10.586	330	86704	46.063	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	486931	38.785	ng	0.00
79) Terphenyl-d14	12.880	244	498524	34.343	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.651	152	82216	4.684	ng	99
52) Acenaphthene	9.822	154	37136	3.582	ng	97
55) Dibenzofuran	9.998	168	50472	3.190	ng	94
58) Fluorene	10.339	166	72698	5.977	ng	99
71) Phenanthrene	11.310	178	615209	36.932	ng	99
72) Anthracene	11.357	178	217341	12.693	ng	99
73) Carbazole	11.522	167	47067	3.020	ng	99
75) Fluoranthene	12.504	202	1120742	64.569	ng	97
78) Pyrene	12.739	202	1031118	48.129	ng	99
81) Benzo(a)anthracene	13.933	228	524138	36.071	ng	95
83) Chrysene	13.968	228	426962	29.554	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	176215	14.548	ng	99
88) Benzo(b)fluoranthene	14.986	252	442965m	44.293	ng	
89) Benzo(k)fluoranthene	15.015	252	159539m	16.149	ng	
90) Benzo(a)pyrene	15.351	252	314080	32.933	ng	# 95
91) Dibenzo(a,h)anthracene	16.909	278	46778	4.720	ng	# 85
92) Benzo(g,h,i)perylene	17.351	276	162129	15.664	ng	96

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

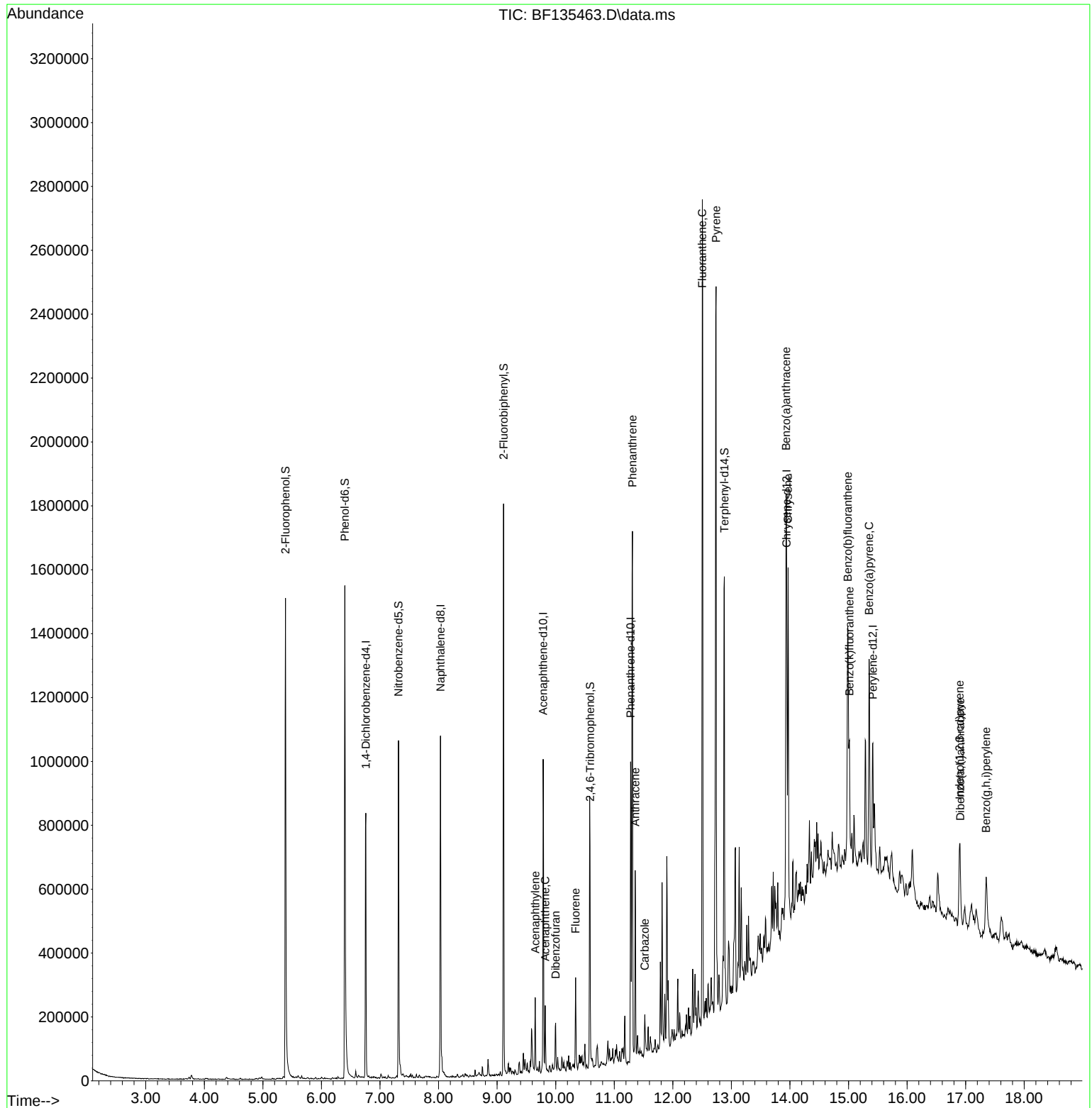
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
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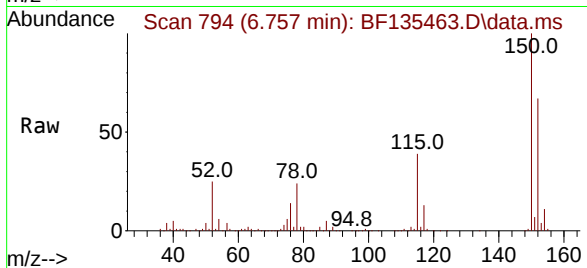
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

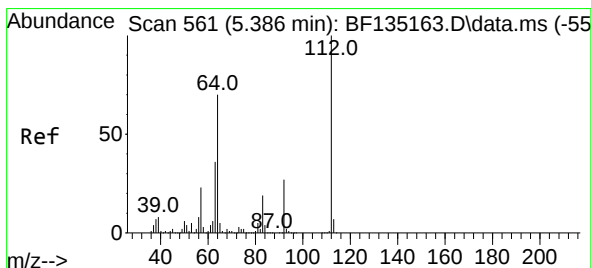
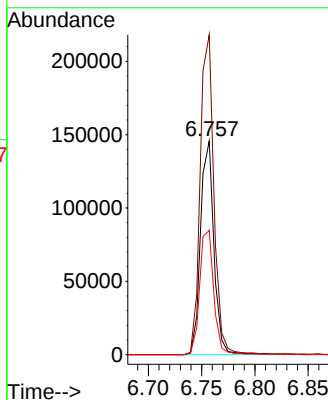
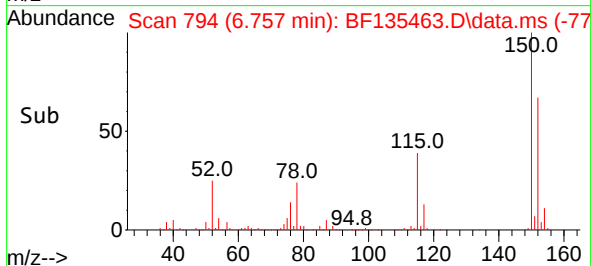
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023



Tgt Ion:152 Resp: 12828
Ion Ratio Lower Upper
152 100
150 149.6 127.8 191.6
115 58.2 49.8 74.8

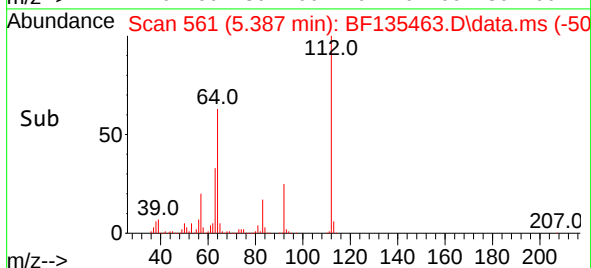
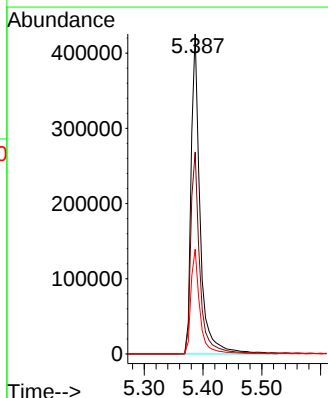
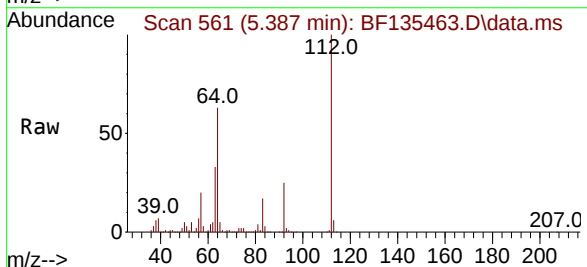
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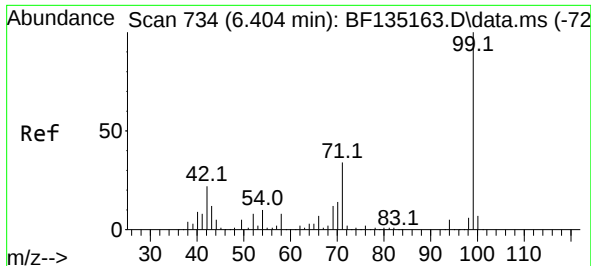
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#5
2-Fluorophenol
Concen: 57.546 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

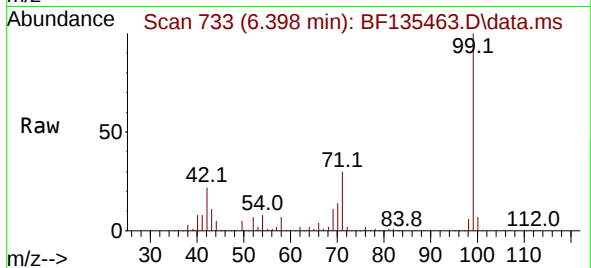
Tgt Ion:112 Resp: 453886
Ion Ratio Lower Upper
112 100
64 63.1 55.9 83.9
63 32.7 29.0 43.6





#7
Phenol-d6
Concen: 53.790 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

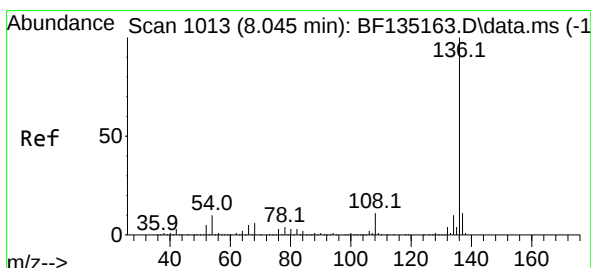
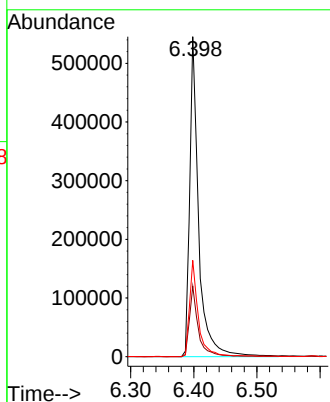
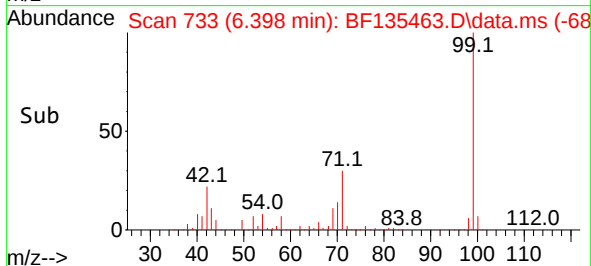
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023



Tgt Ion: 99 Resp: 539468
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 30.1 27.0 40.6

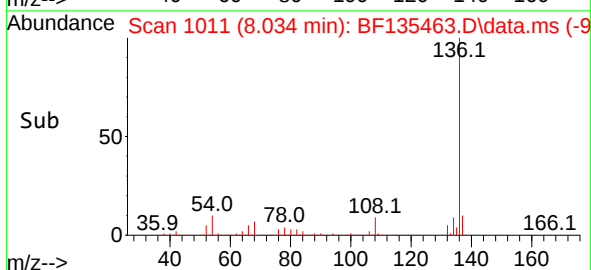
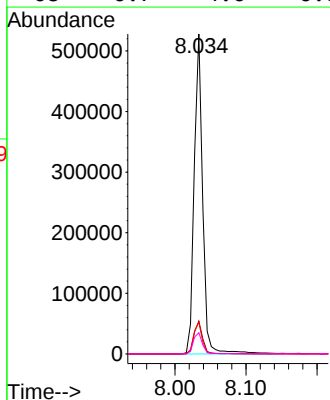
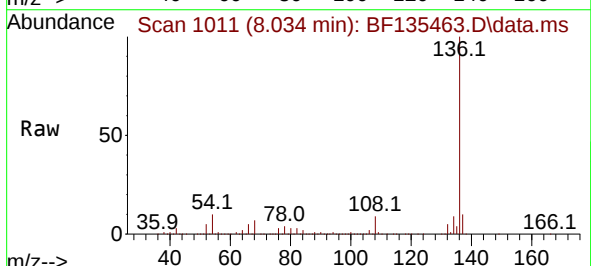
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:136 Resp: 439837
Ion Ratio Lower Upper
136 100
137 10.3 8.8 13.2
54 9.9 7.7 11.5
68 6.7 4.6 6.8





#23

Nitrobenzene-d5

Concen: 37.584 ng

RT: 7.316 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF135463.D

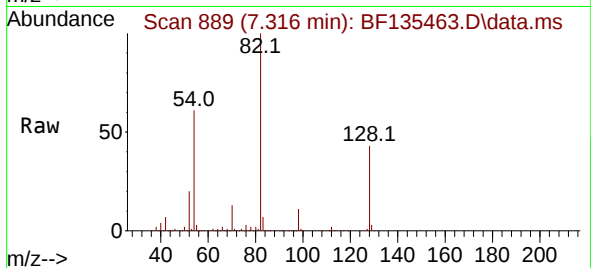
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

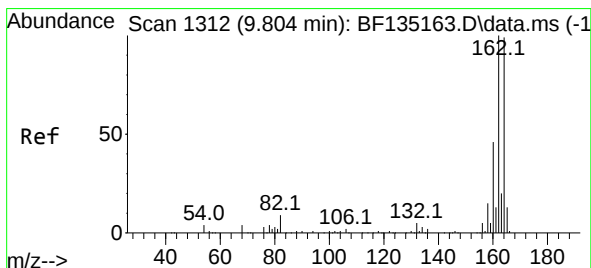
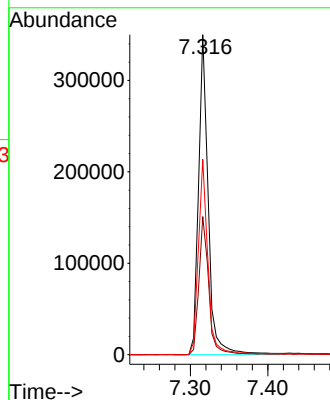
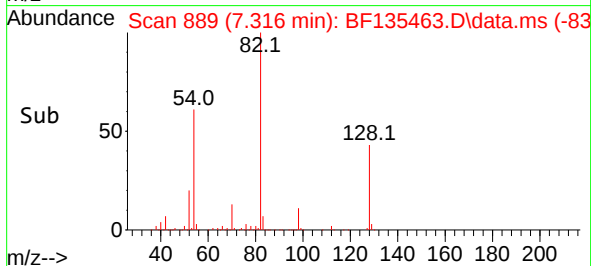
SU-04-09222023



Tgt Ion:	82	Resp:	304269
Ion Ratio	Lower	Upper	
82	100		
128	43.2	35.8	53.6
54	61.0	50.6	76.0

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Supervised By :mohammad ahmed 09/29/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

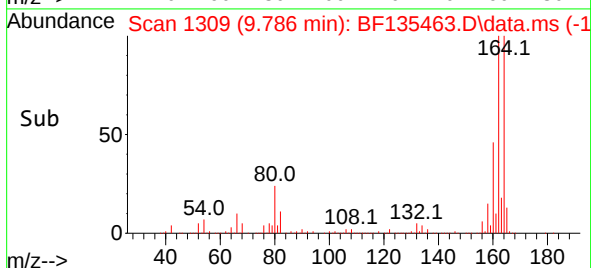
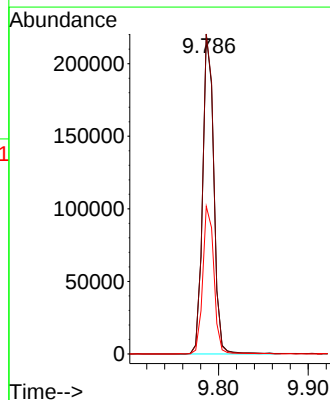
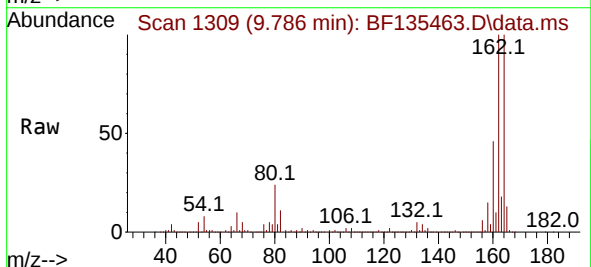
RT: 9.786 min Scan# 1309

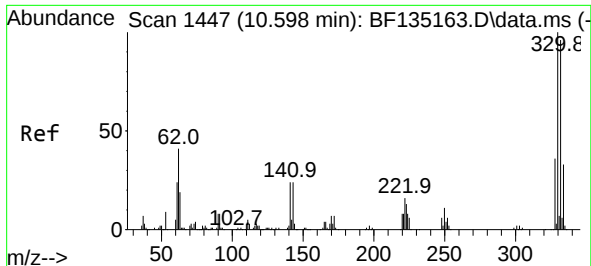
Delta R.T. -0.006 min

Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Tgt Ion:	164	Resp:	189413
Ion Ratio	Lower	Upper	
164	100		
162	100.1	81.0	121.4
160	46.2	37.0	55.4





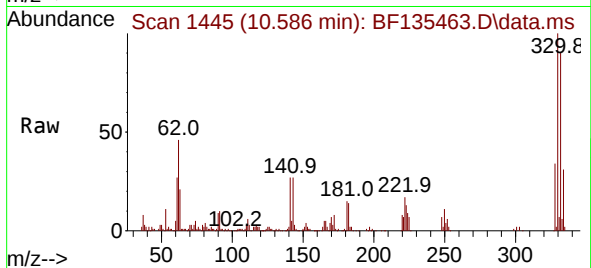
#42
2,4,6-Tribromophenol
Concen: 46.063 ng
RT: 10.586 min Scan# 1447
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023



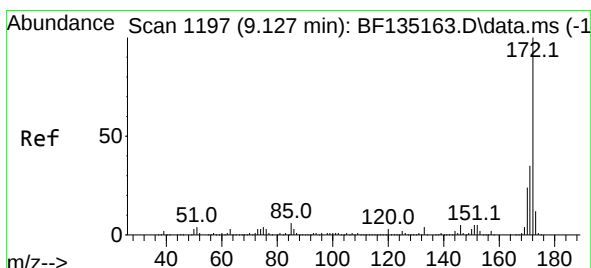
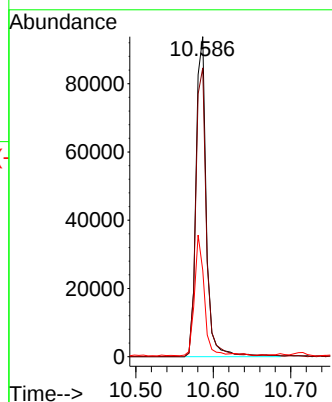
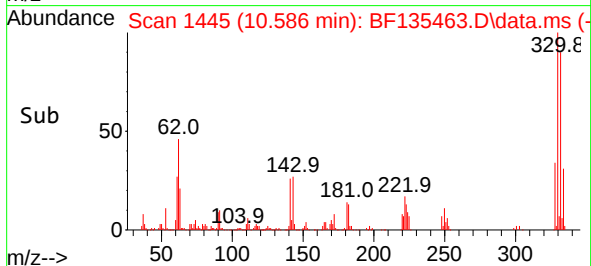
Tgt Ion: 330 Resp: 86704
Ion Ratio Lower Upper
330 100
332 92.8 77.3 115.9
141 35.5 25.8 38.8

Manual Integrations

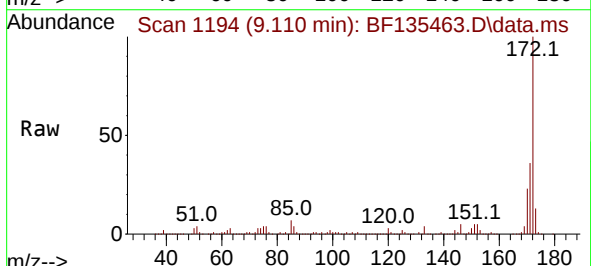
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Reviewed By : Yogesh Patel 09/27/2023

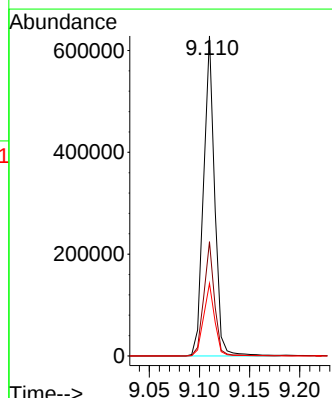
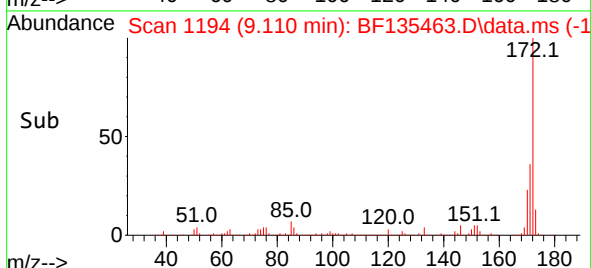
Supervised By : mohammad ahmed 09/29/2023

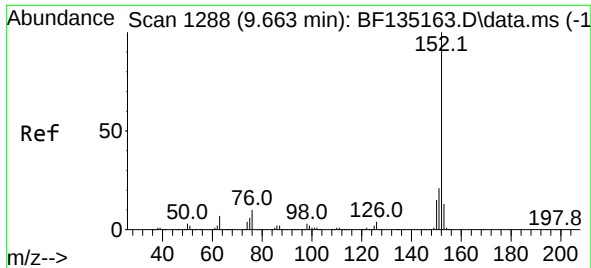


#45
2-Fluorobiphenyl
Concen: 38.785 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31



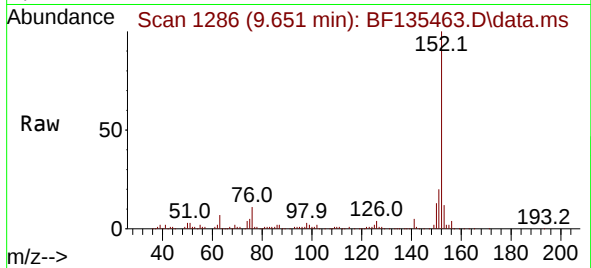
Tgt Ion: 172 Resp: 486931
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 22.6 19.0 28.4





#49
Acenaphthylene
Concen: 4.684 ng
RT: 9.651 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

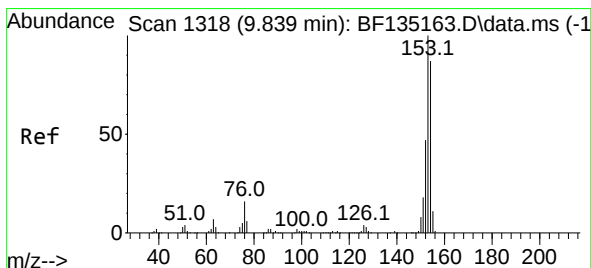
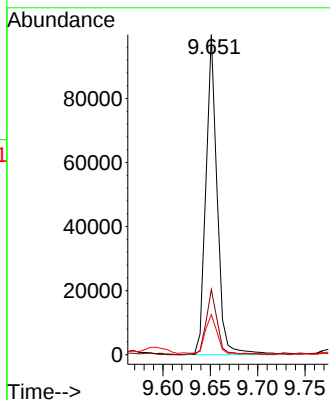
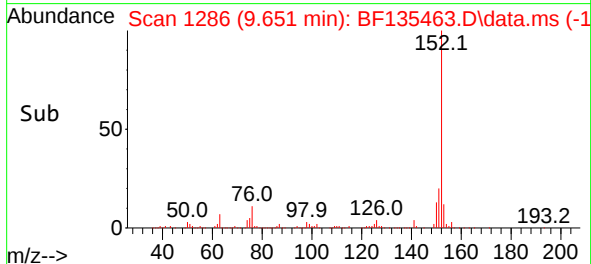
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023



Tgt Ion:152 Resp: 82210
Ion Ratio Lower Upper
152 100
151 20.3 16.4 24.6
153 12.5 10.4 15.6

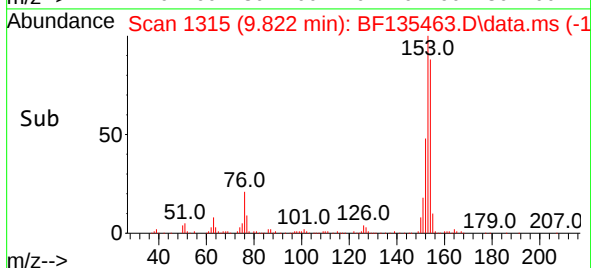
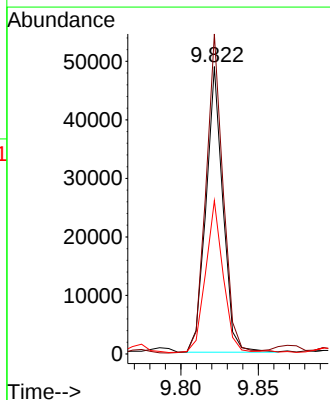
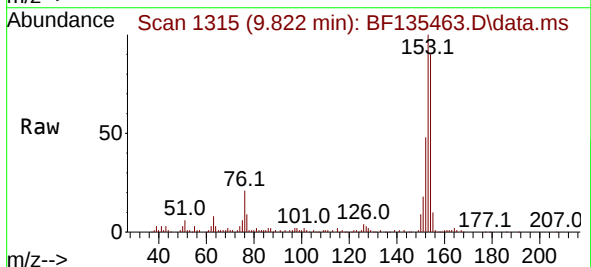
Manual Integrations
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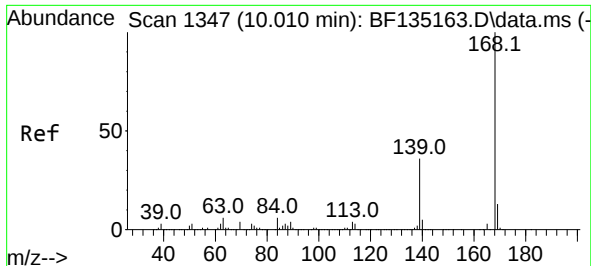
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#52
Acenaphthene
Concen: 3.582 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

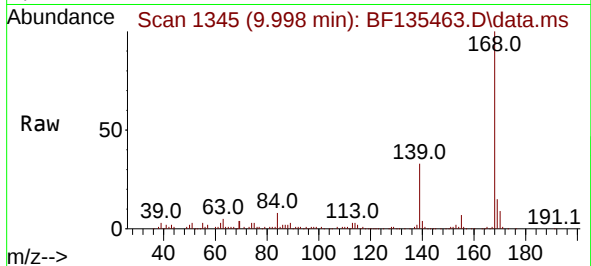
Tgt Ion:154 Resp: 37136
Ion Ratio Lower Upper
154 100
153 111.4 92.1 138.1
152 53.4 43.1 64.7





#55
Dibenzenofuran
Concen: 3.190 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

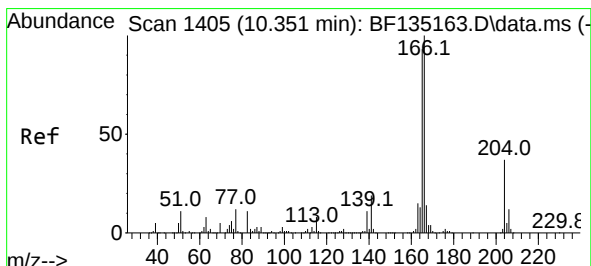
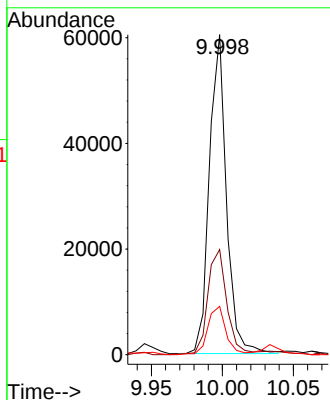
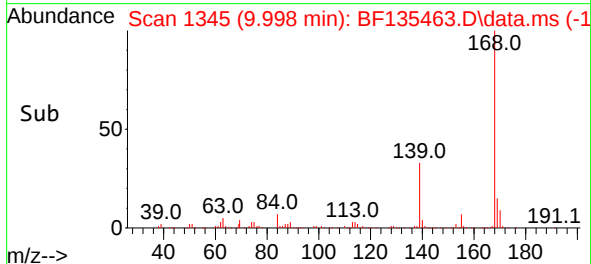
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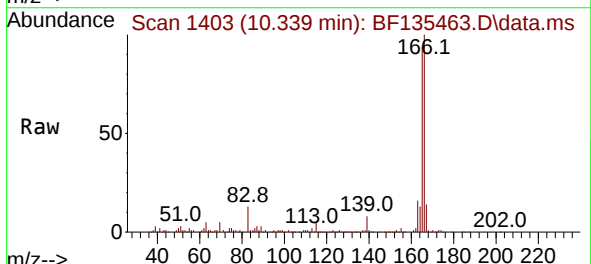
Tgt Ion:168 Resp: 50472
Ion Ratio Lower Upper
168 100
139 32.8 29.0 43.6
169 15.1 10.4 15.6

Manual Integrations
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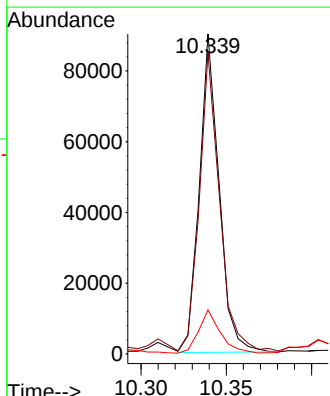
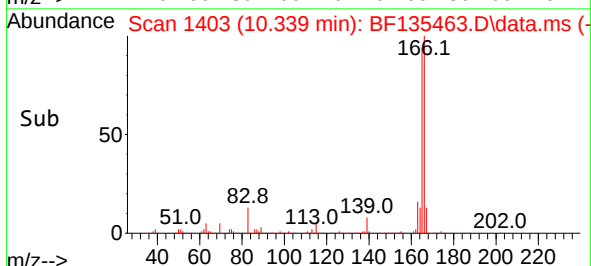
Reviewed By :Yogesh Patel 09/27/2023
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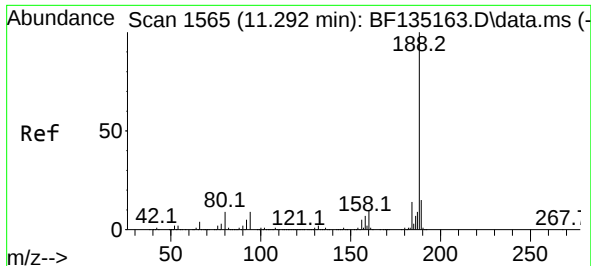


#58
Fluorene
Concen: 5.977 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31



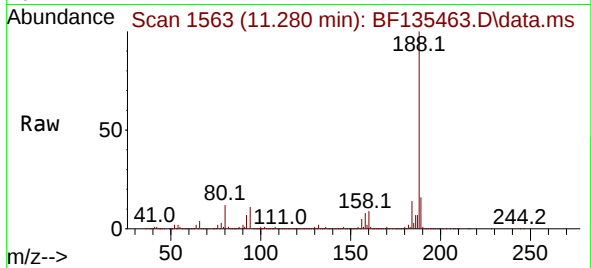
Tgt Ion:166 Resp: 72698
Ion Ratio Lower Upper
166 100
165 94.1 74.3 111.5
167 13.7 10.9 16.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

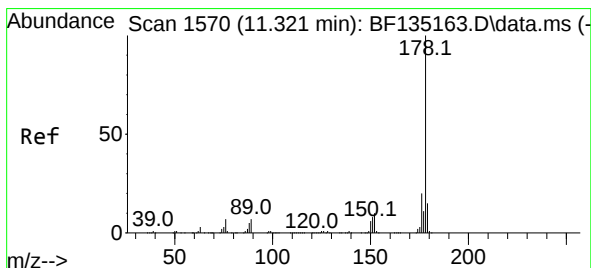
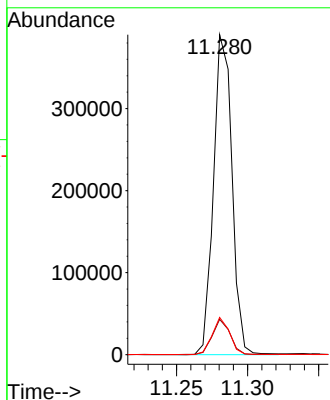
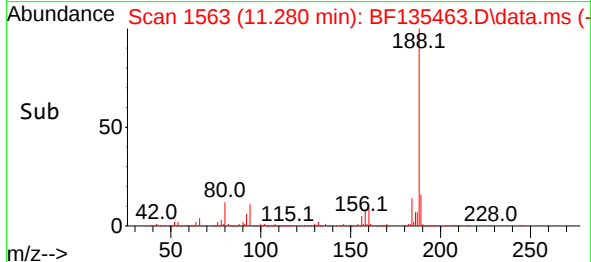
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023



Tgt Ion:188 Resp: 352208
Ion Ratio Lower Upper
188 100
94 11.1 7.0 10.6
80 11.7 7.5 11.3

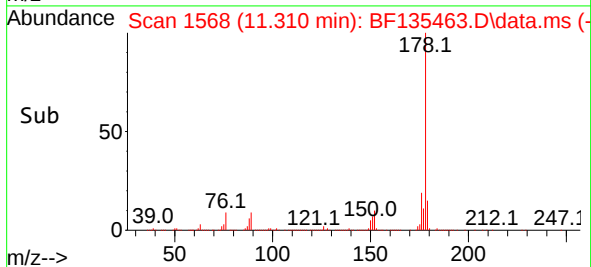
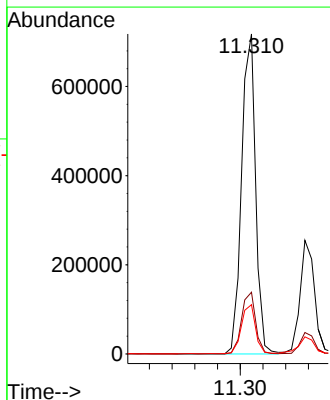
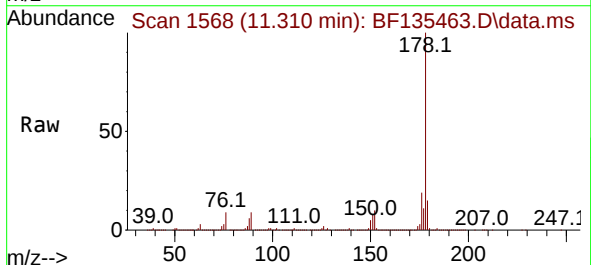
Manual Integrations
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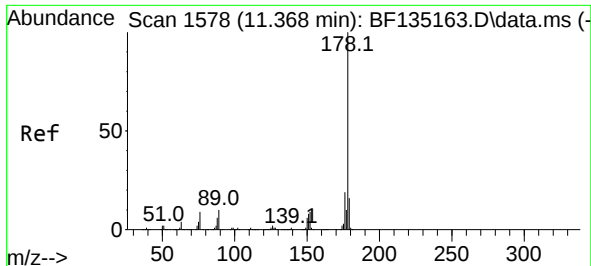
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#71
Phenanthrene
Concen: 36.932 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

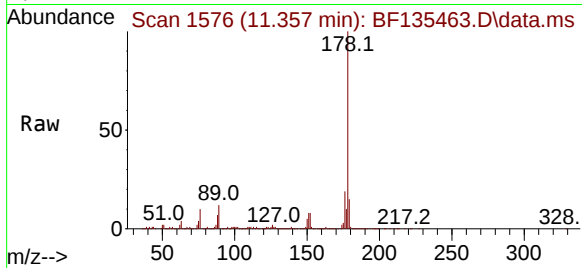
Tgt Ion:178 Resp: 615209
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.4 12.0 18.0





#72
 Anthracene
 Concen: 12.693 ng
 RT: 11.357 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135463.D
 Acq: 26 Sep 2023 20:31

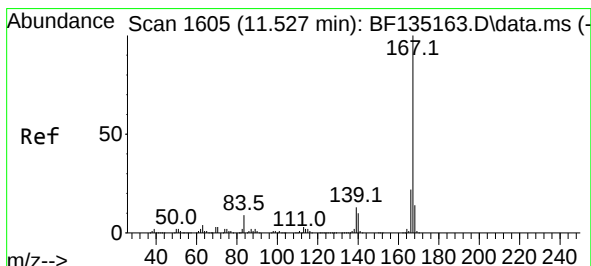
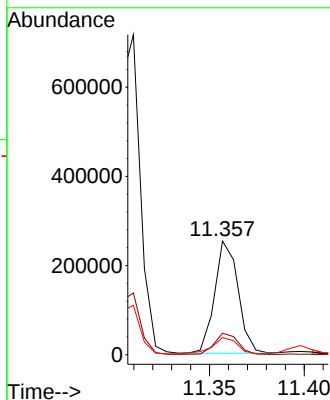
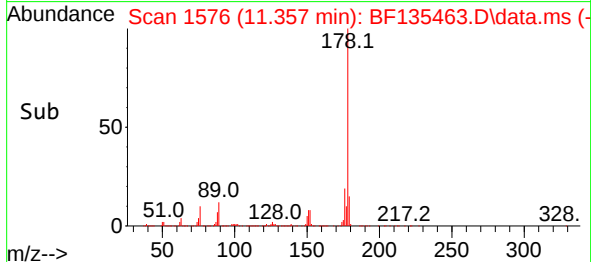
Instrument :
 BNA_F
 ClientSampleId :
 SU-04-09222023



Tgt Ion:178 Resp: 21734
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.0 12.6 19.0

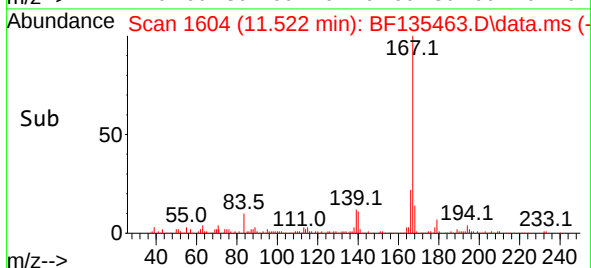
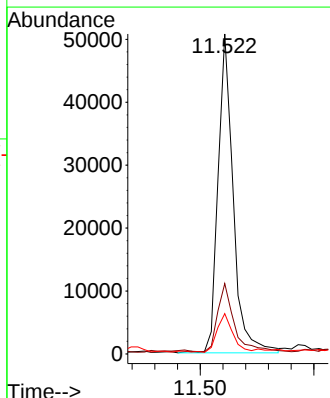
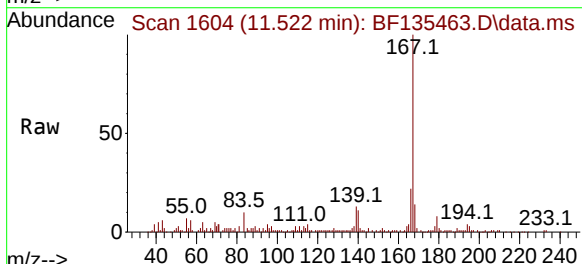
Manual Integrations
 APPROVED

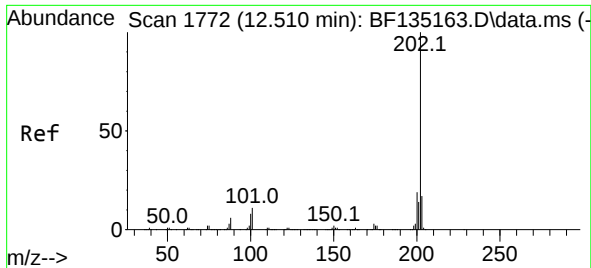
Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023



#73
 Carbazole
 Concen: 3.020 ng
 RT: 11.522 min Scan# 1604
 Delta R.T. -0.000 min
 Lab File: BF135463.D
 Acq: 26 Sep 2023 20:31

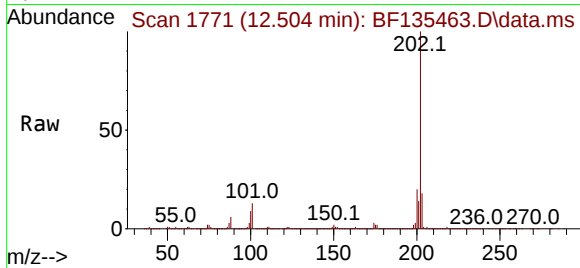
Tgt Ion:167 Resp: 47067
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 12.6 10.6 15.8





#75
Fluoranthene
Concen: 64.569 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

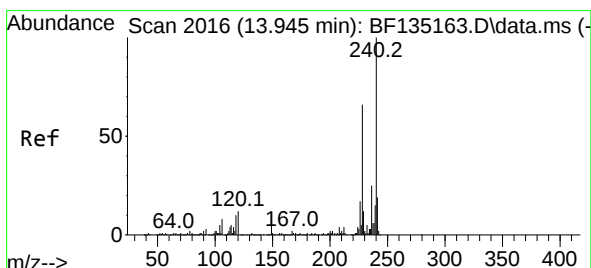
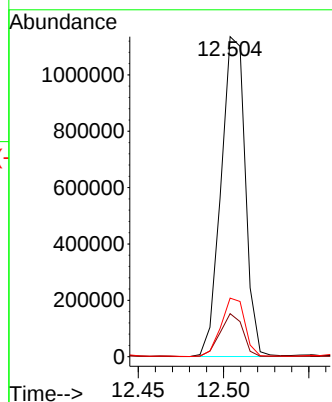
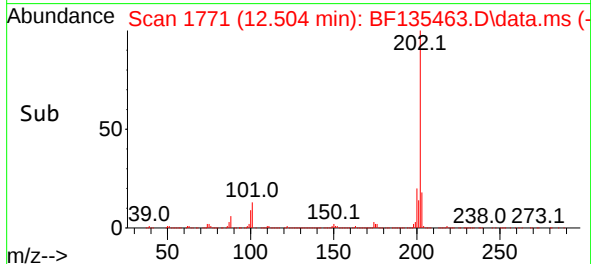
Instrument :
BNA_F
ClientSampleId :
SU-04-09222023



Tgt Ion:202 Resp: 112074
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.3
203 18.3 0.0 37.4

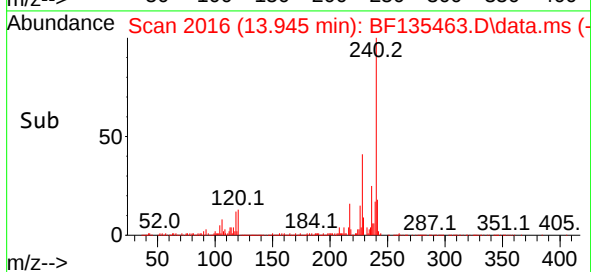
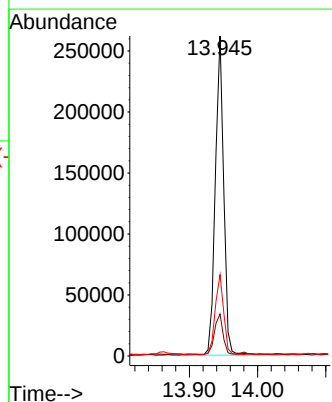
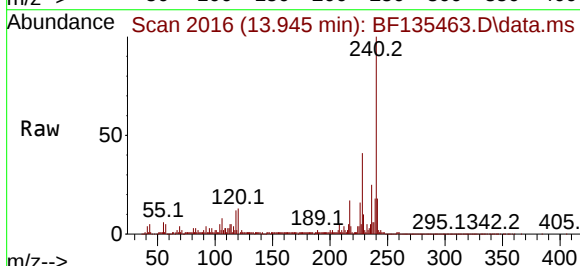
Manual Integrations
APPROVED

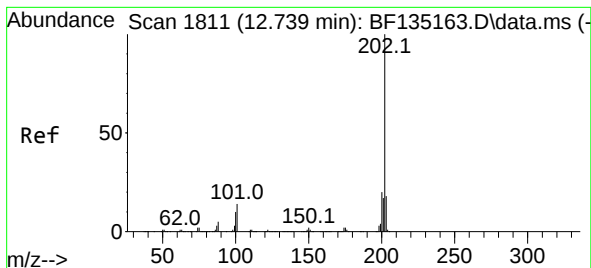
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:240 Resp: 225026
Ion Ratio Lower Upper
240 100
120 13.1 9.4 14.2
236 25.4 19.8 29.8





#78

Pyrene

Concen: 48.129 ng

RT: 12.739 min Scan# 1811

Delta R.T. 0.006 min

Lab File: BF135463.D

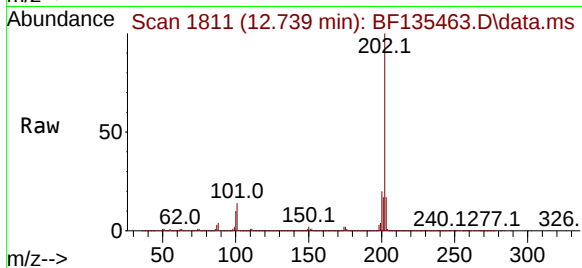
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023



Tgt Ion: 202 Resp: 1031118

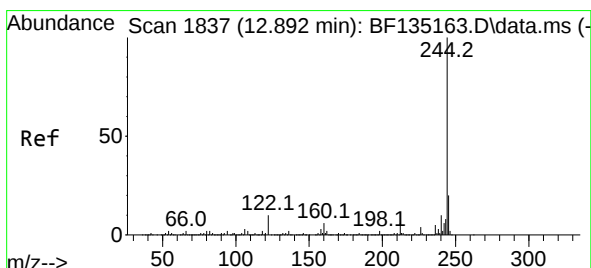
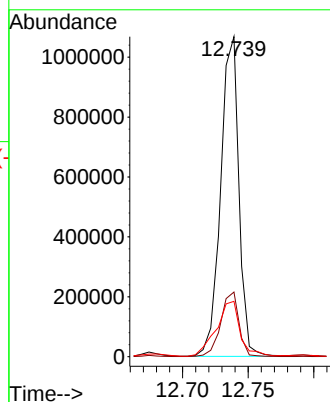
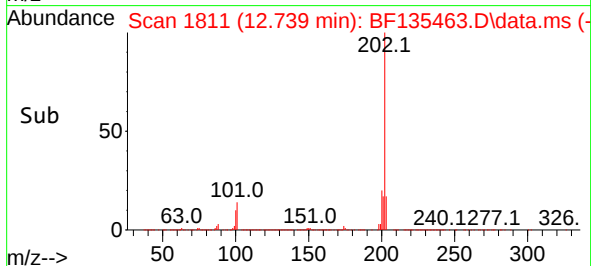
Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.3	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/27/2023

Supervised By :mohammad ahmed 09/29/2023



#79

Terphenyl-d14

Concen: 34.343 ng

RT: 12.880 min Scan# 1835

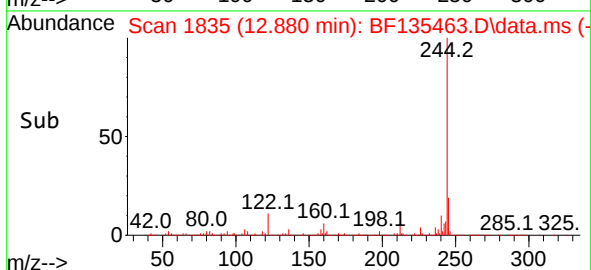
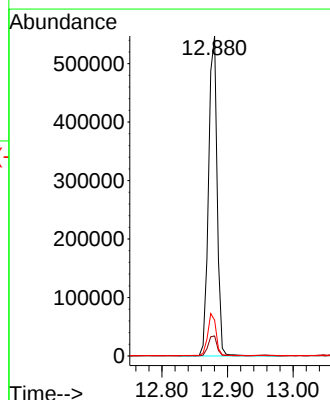
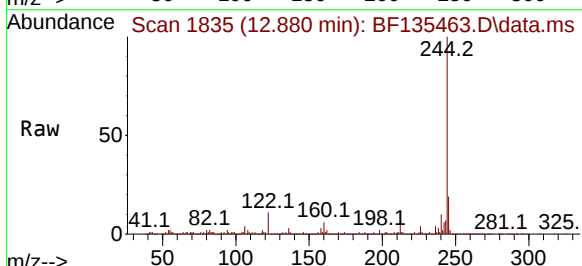
Delta R.T. -0.000 min

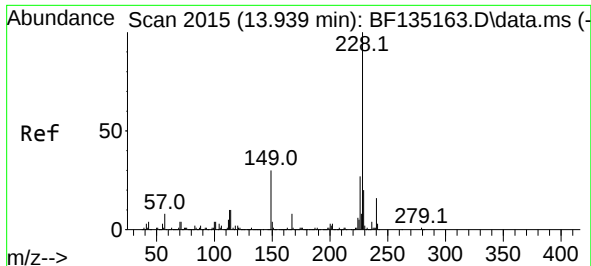
Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Tgt Ion: 244 Resp: 498524

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.1	7.7
122	11.2	7.9	11.9





#81
Benzo(a)anthracene
Concen: 36.071 ng
RT: 13.933 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

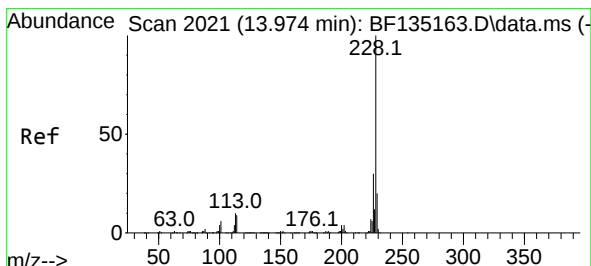
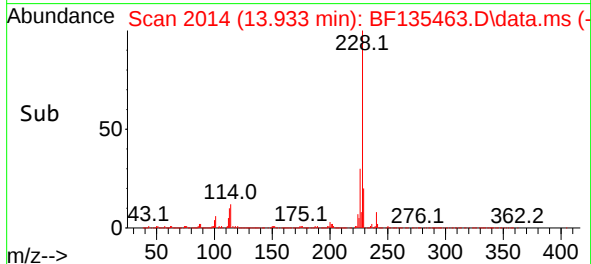
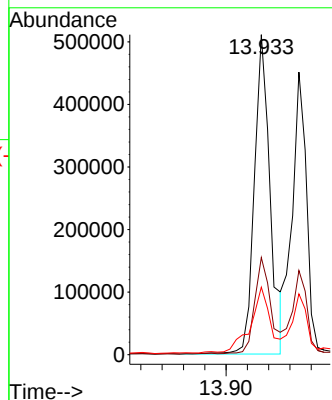
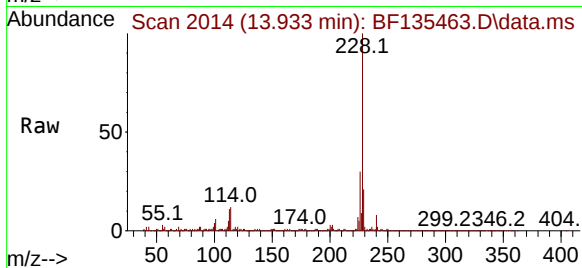
SU-04-09222023

Tgt Ion:228 Resp: 524138
Ion Ratio Lower Upper
228 100
226 30.4 21.7 32.5
229 21.1 15.8 23.8

Manual Integrations

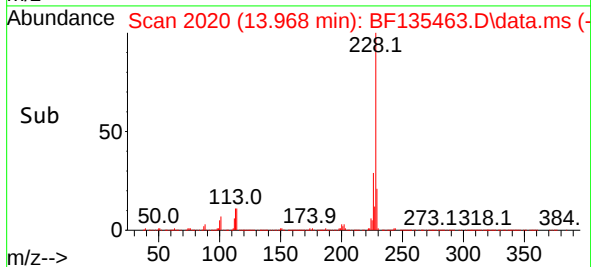
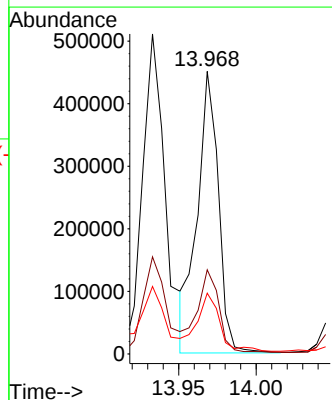
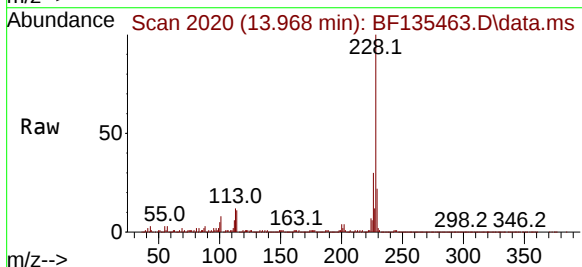
APPROVED

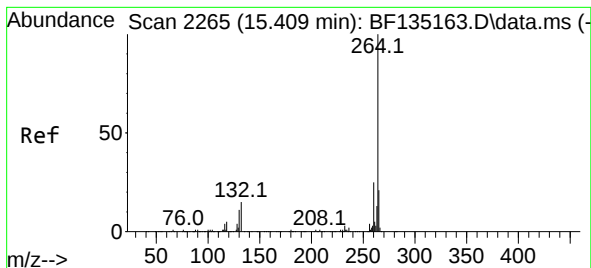
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#83
Chrysene
Concen: 29.554 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:228 Resp: 426962
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.5 16.0 24.0





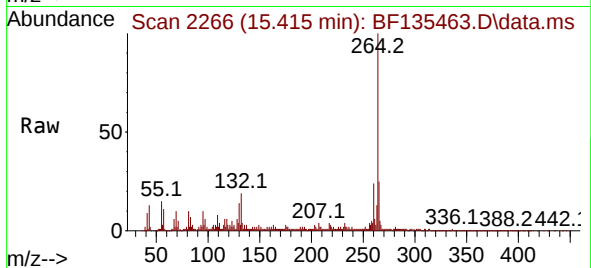
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023



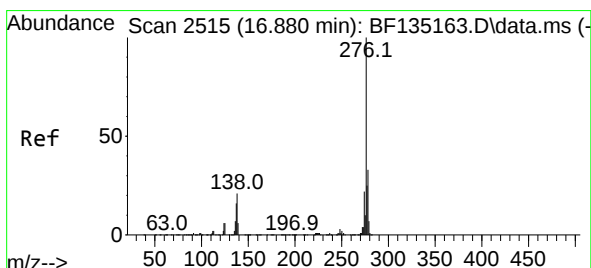
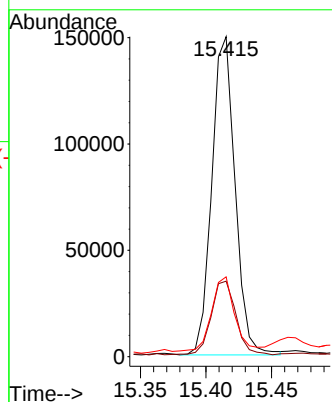
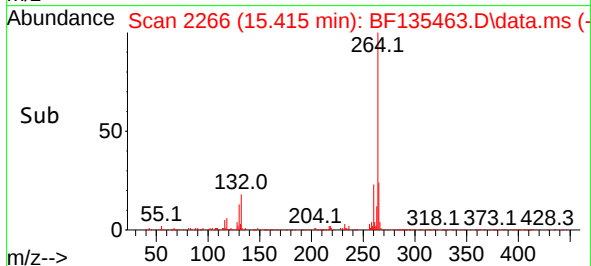
Tgt Ion:264 Resp: 18474
Ion Ratio Lower Upper
264 100
260 23.6 19.8 29.6
265 24.9 17.0 25.4

Manual Integrations

APPROVED

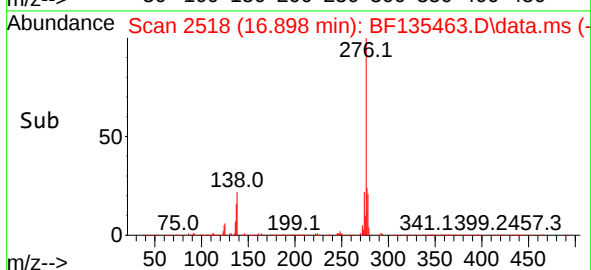
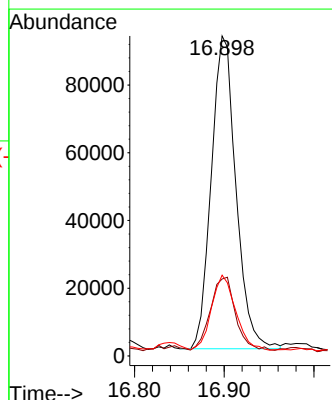
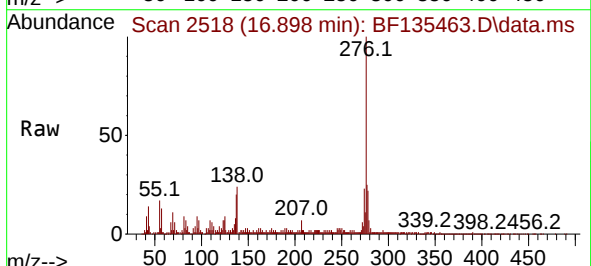
Reviewed By :Yogesh Patel 09/27/2023

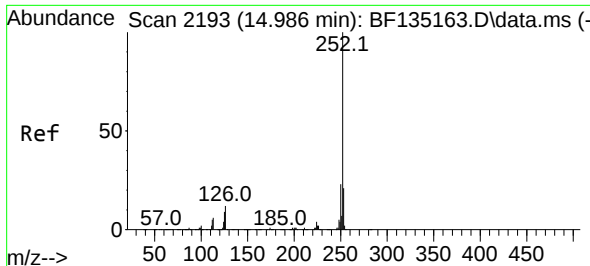
Supervised By :mohammad ahmed 09/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.548 ng
RT: 16.898 min Scan# 2518
Delta R.T. 0.012 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:276 Resp: 176215
Ion Ratio Lower Upper
276 100
138 23.8 19.2 28.8
277 23.4 19.7 29.5





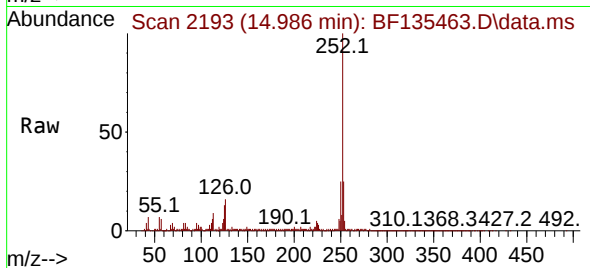
#88
Benzo(b)fluoranthene
Concen: 44.293 ng m
RT: 14.986 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :

BNF

ClientSampleId :

SU-04-09222023

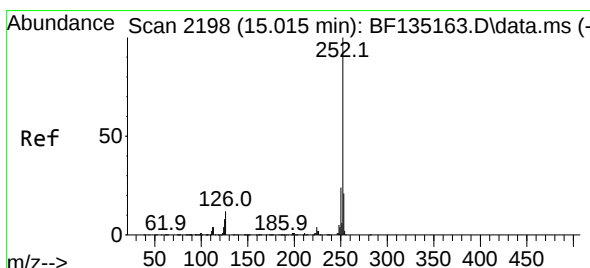
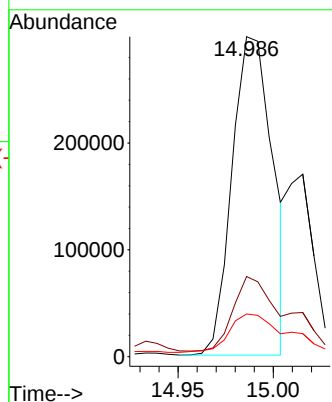


Tgt Ion:252 Resp: 442968
Ion Ratio Lower Upper
252 100
253 25.0 17.2 25.8
125 13.3 7.1 10.7

Manual Integrations

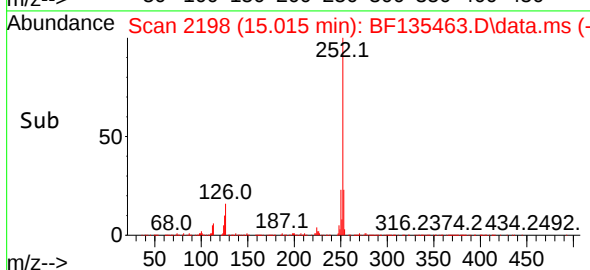
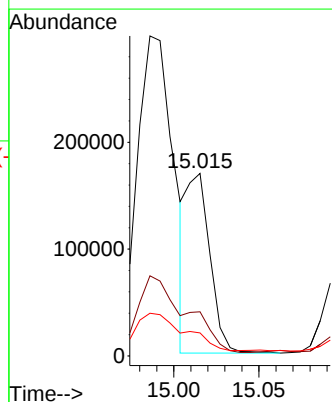
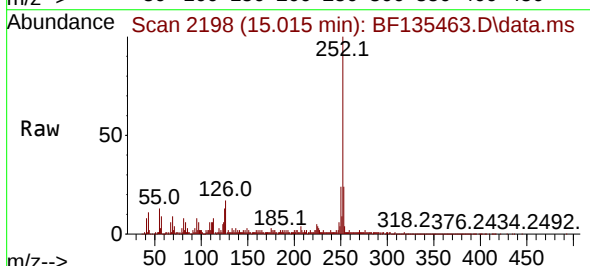
APPROVED

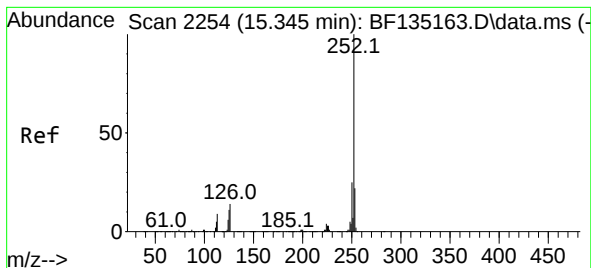
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#89
Benzo(k)fluoranthene
Concen: 16.149 ng m
RT: 15.015 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Tgt Ion:252 Resp: 159539
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 12.6 7.2 10.8





#90

Benzo(a)pyrene

Concen: 32.933 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135463.D

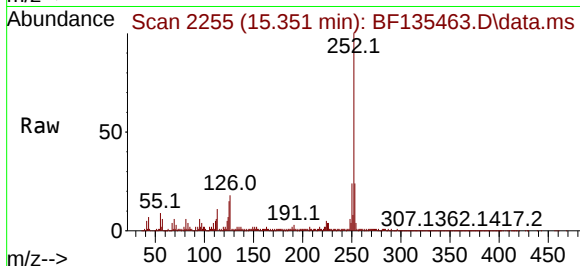
Acq: 26 Sep 2023 20:31

Instrument :

BNA_F

ClientSampleId :

SU-04-09222023



Tgt Ion:252 Resp: 314080

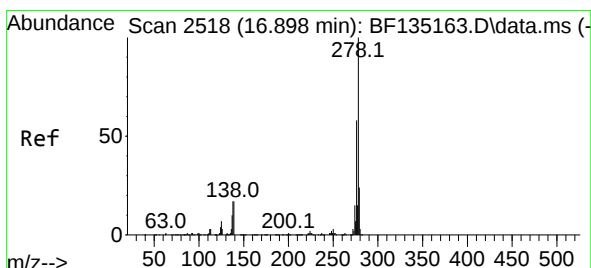
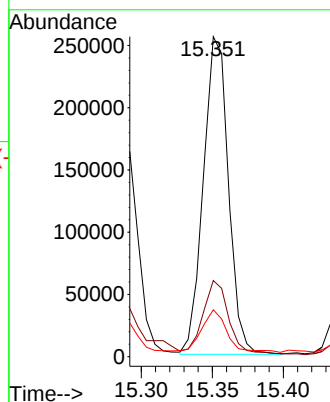
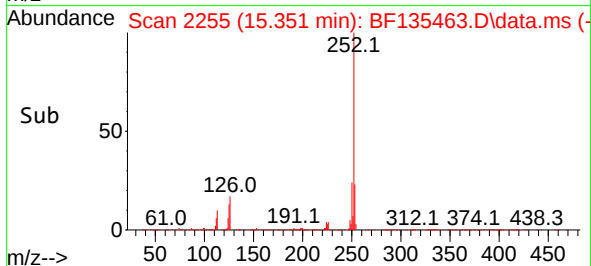
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	14.7	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/27/2023

Supervised By :mohammad ahmed 09/29/2023



#91

Dibenzo(a,h)anthracene

Concen: 4.720 ng

RT: 16.909 min Scan# 2520

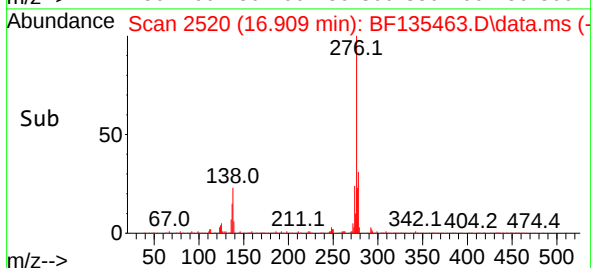
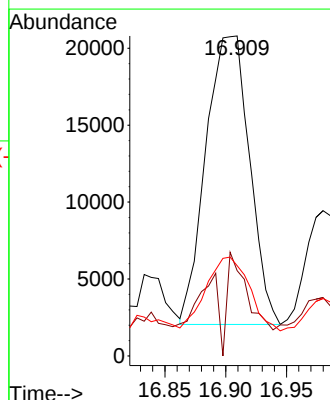
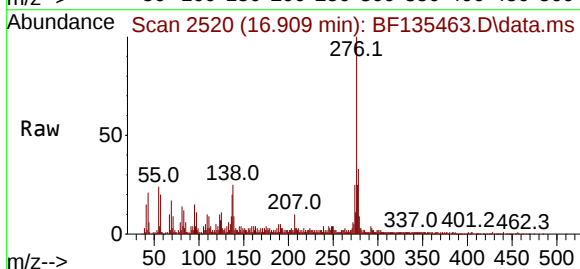
Delta R.T. 0.012 min

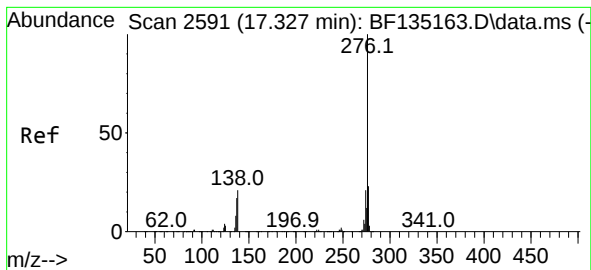
Lab File: BF135463.D

Acq: 26 Sep 2023 20:31

Tgt Ion:278 Resp: 46778

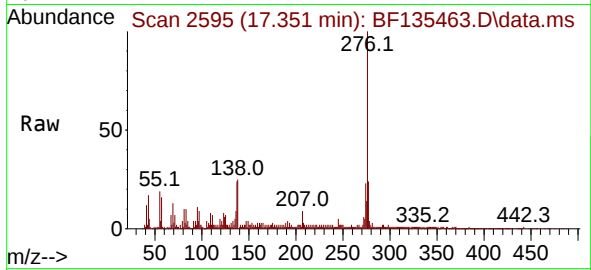
Ion	Ratio	Lower	Upper
278	100		
139	26.7	13.4	20.0
279	28.2	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 15.664 ng
RT: 17.351 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135463.D
Acq: 26 Sep 2023 20:31

Instrument :
BNA_F
ClientSampleId :
SU-04-09222023



Tgt Ion:276 Resp: 162129
Ion Ratio Lower Upper
276 100
277 23.8 18.8 28.2
138 25.0 16.9 25.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

