

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090723\
 Data File : BF135146.D
 Acq On : 07 Sep 2023 21:53
 Operator : CG\JU
 Sample : 04274-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2683

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/08/2023
 Supervised By :mohammad ahmed 09/09/2023

Quant Time: Sep 08 01:55:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	97786	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	375516	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	164371	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	245230	20.000	ng	0.00
76) Chrysene-d12	13.963	240	171811	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	139338	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	627236	99.078	ng	0.01
7) Phenol-d6	6.416	99	748039	94.798	ng	0.00
23) Nitrobenzene-d5	7.334	82	460692	68.924	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	145680	83.550	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	637583	63.153	ng	-0.01
79) Terphenyl-d14	12.904	244	490098	46.551	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	8.075	128	431384	23.517	ng	100
37) 2-Methylnaphthalene	8.763	142	62461	5.103	ng	98
38) 1-Methylnaphthalene	8.863	142	49124	4.289	ng	95
71) Phenanthrene	11.327	178	66550	5.260	ng	96
75) Fluoranthene	12.522	202	121973	9.536	ng	99
78) Pyrene	12.751	202	133597	8.190	ng	98
81) Benzo(a)anthracene	13.951	228	70743	6.036	ng	92
83) Chrysene	13.986	228	70598m	6.129	ng	
87) Indeno(1,2,3-cd)pyrene	16.915	276	30840	3.286	ng	97
88) Benzo(b)fluoranthene	15.004	252	76052m	8.772	ng	
89) Benzo(k)fluoranthene	15.027	252	21371m	2.552	ng	
90) Benzo(a)pyrene	15.368	252	51140	6.350	ng	# 94
92) Benzo(g,h,i)perylene	17.362	276	29023	3.671	ng	# 92

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

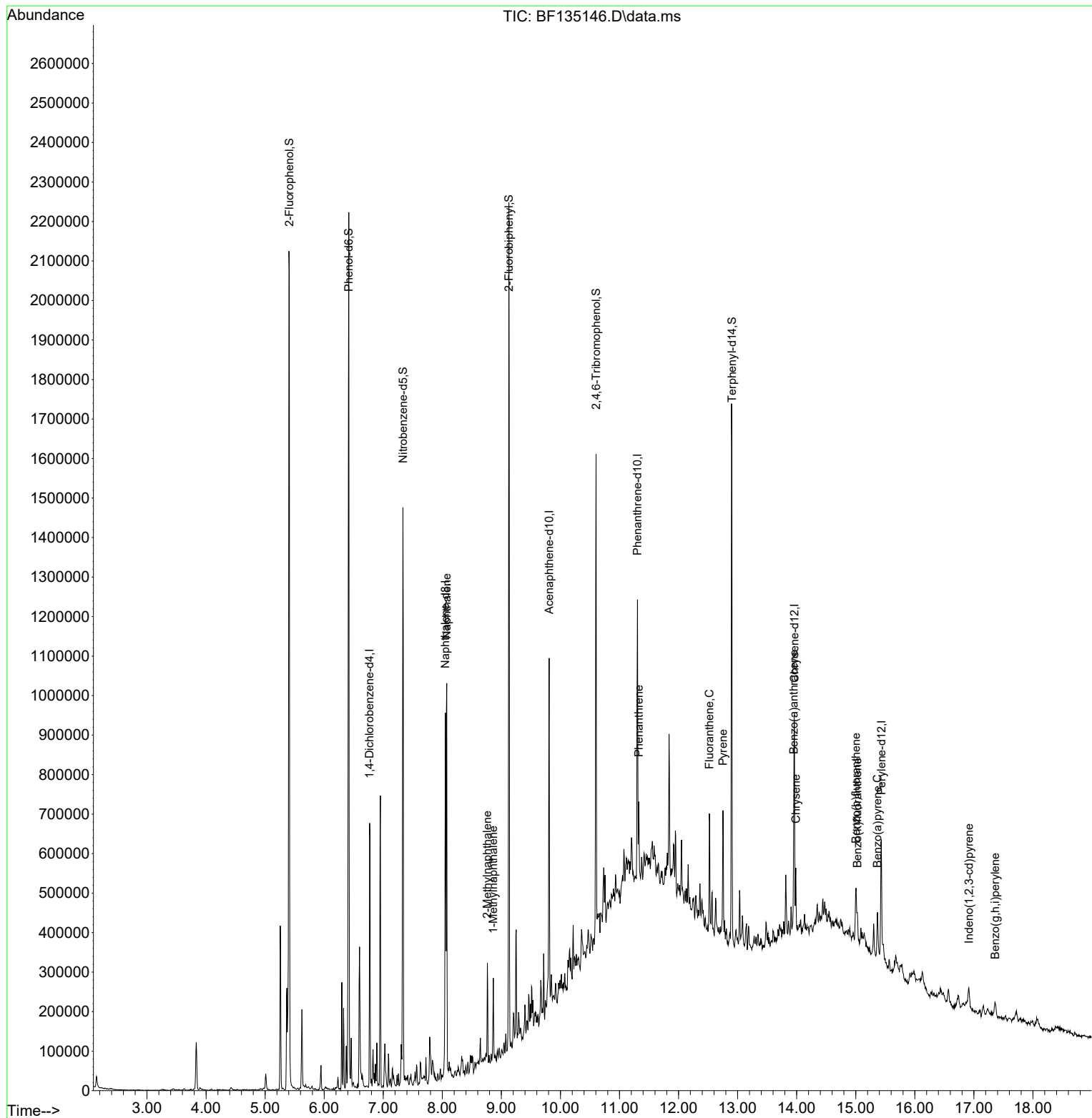
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090723\
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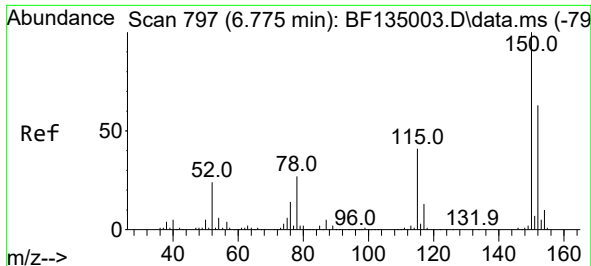
Instrument :
BNA_F
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Quant Time: Sep 08 01:55:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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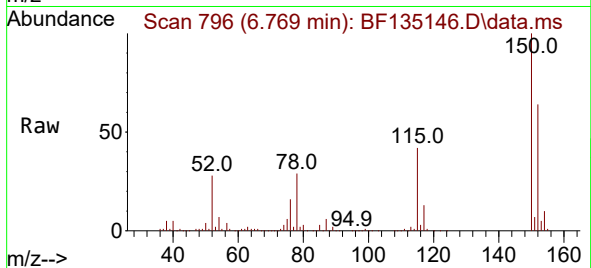
Reviewed By :Yogesh Patel 09/08/2023
Supervised By :mohammad ahmed 09/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

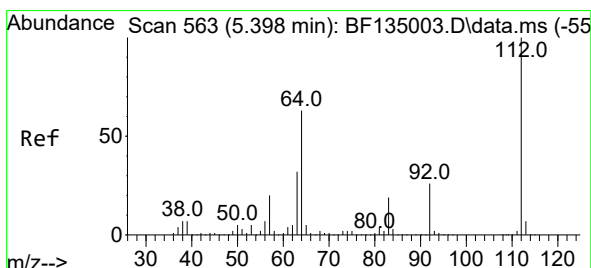
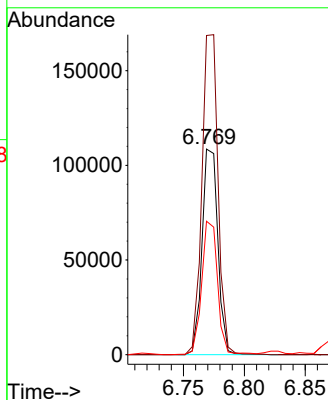
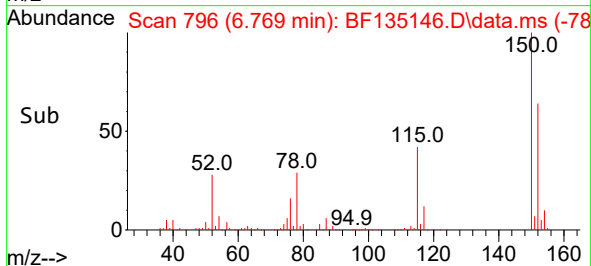
Instrument :
BNA_F
ClientSampleId :
RT2683



Tgt Ion:152 Resp: 97780
Ion Ratio Lower Upper
152 100
150 155.3 126.2 189.4
115 64.9 51.2 76.8

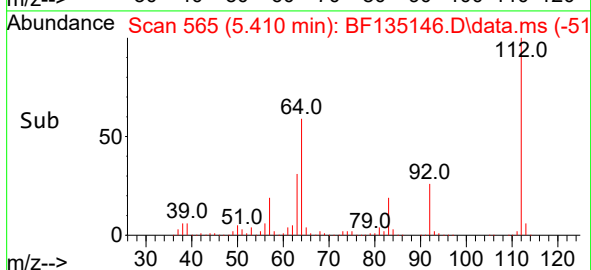
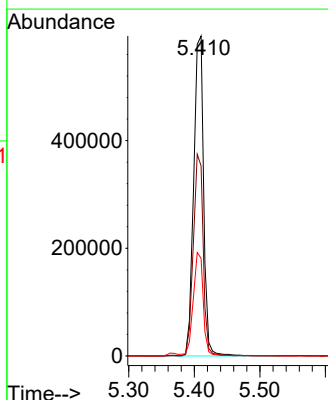
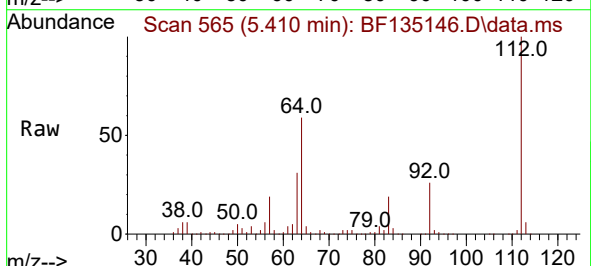
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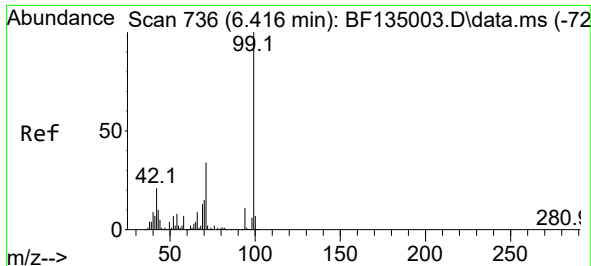
Reviewed By :Yogesh Patel 09/08/2023
Supervised By :mohammad ahmed 09/09/2023



#5
2-Fluorophenol
Concen: 99.078 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.012 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

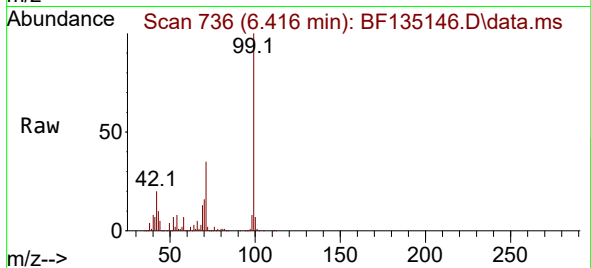
Tgt Ion:112 Resp: 627236
Ion Ratio Lower Upper
112 100
64 59.4 50.5 75.7
63 30.5 25.9 38.9





#7
Phenol-d6
Concen: 94.798 ng
RT: 6.416 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

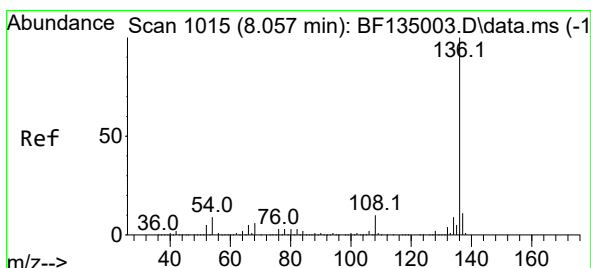
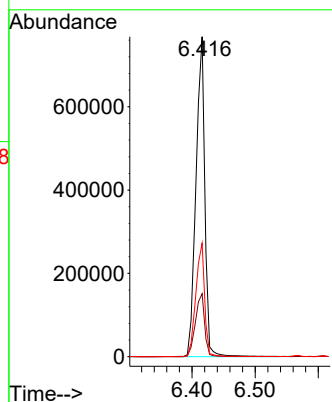
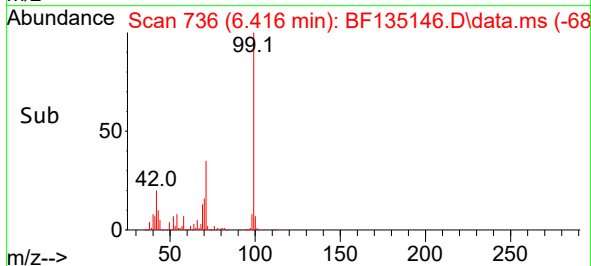
Instrument :
BNA_F
ClientSampleId :
RT2683



Tgt Ion: 99 Resp: 748039
Ion Ratio Lower Upper
99 100
42 19.7 16.6 25.0
71 35.4 27.0 40.6

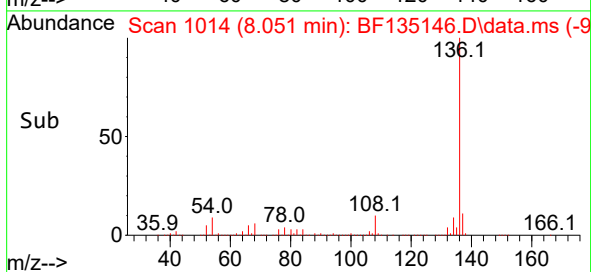
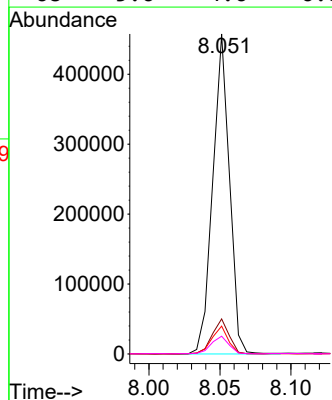
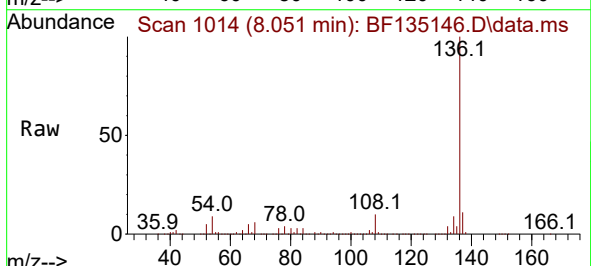
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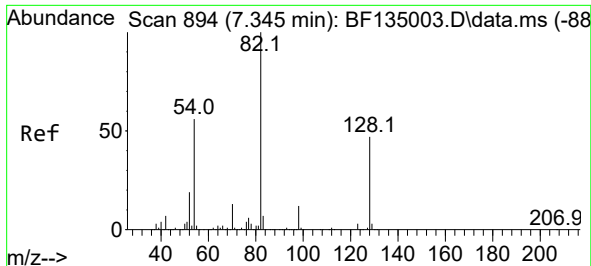
Reviewed By :Yogesh Patel 09/08/2023
Supervised By :mohammad ahmed 09/09/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

Tgt Ion:136 Resp: 375516
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.7 7.0 10.4
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 68.924 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683

Tgt Ion: 82 Resp: 460692

Ion Ratio Lower Upper

82 100

128 44.9 37.8 56.8

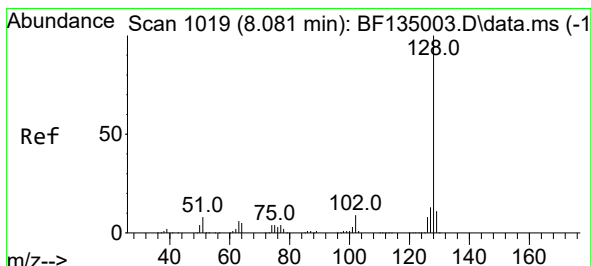
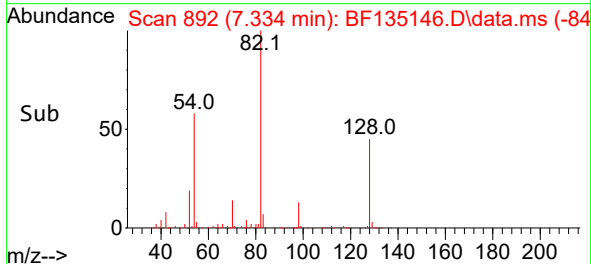
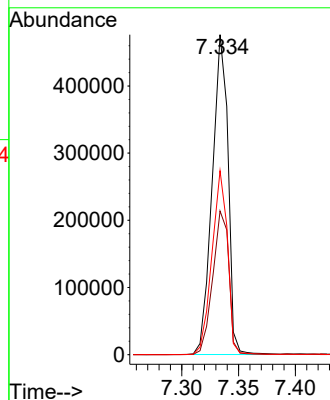
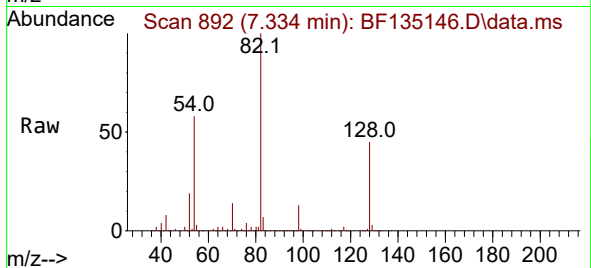
54 57.5 45.0 67.6

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Reviewed By :Yogesh Patel 09/08/2023

Supervised By :mohammad ahmed 09/09/2023



#31

Naphthalene

Concen: 23.517 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

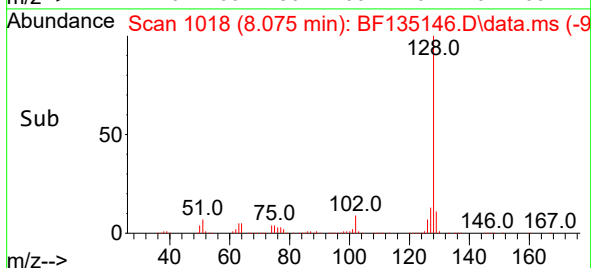
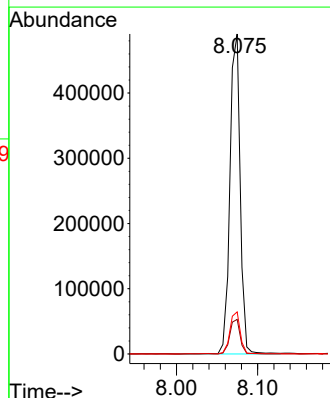
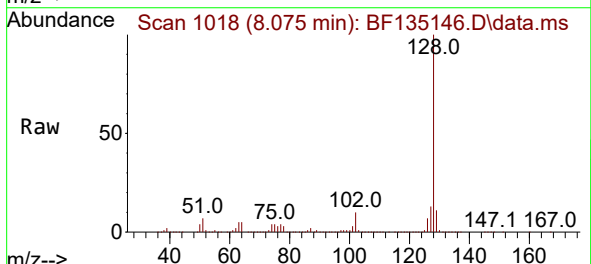
Tgt Ion:128 Resp: 431384

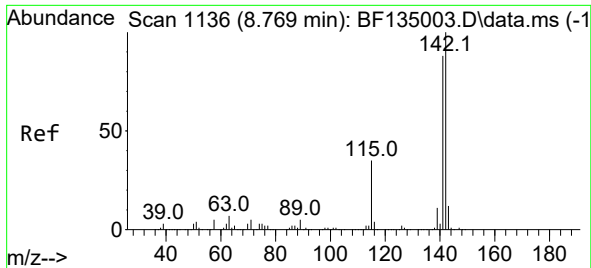
Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.1 10.6 16.0





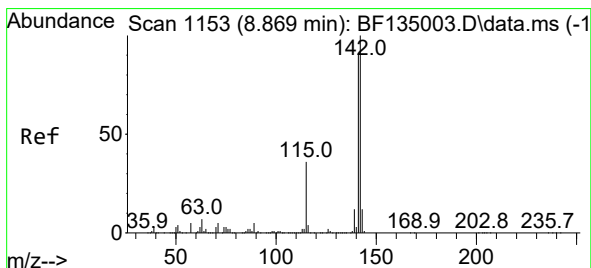
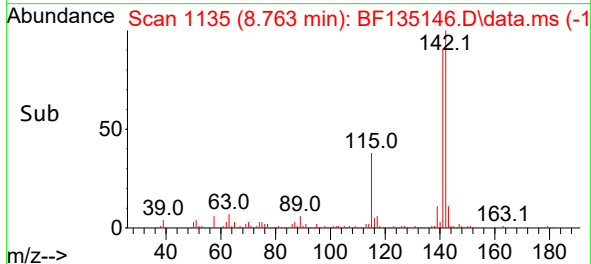
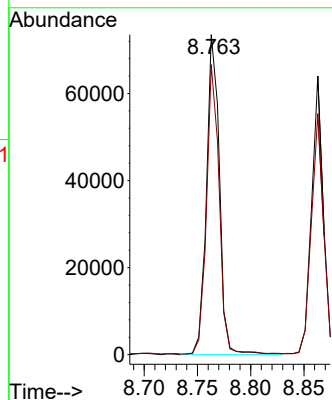
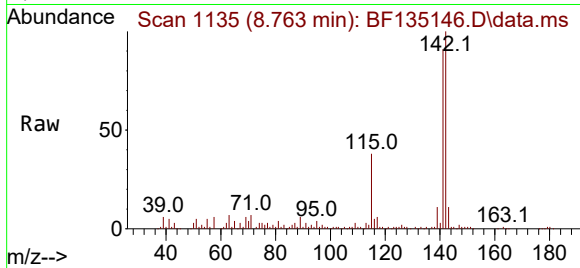
#37
2-Methylnaphthalene
Concen: 5.103 ng
RT: 8.763 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

Instrument :
BNA_F
ClientSampleId :
RT2683

Tgt Ion:142 Resp: 62463
Ion Ratio Lower Upper
142 100
141 90.6 70.7 106.1

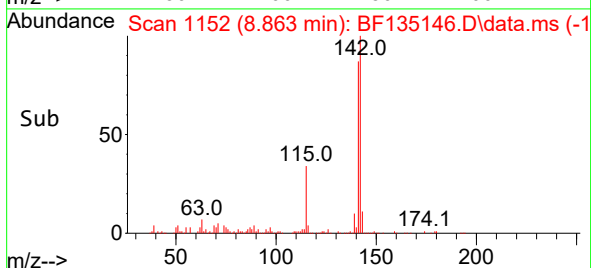
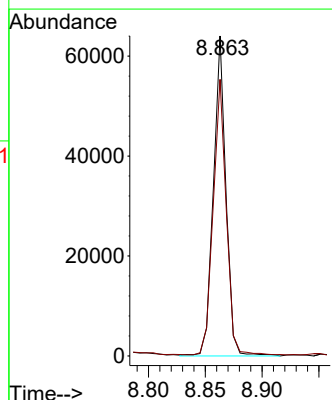
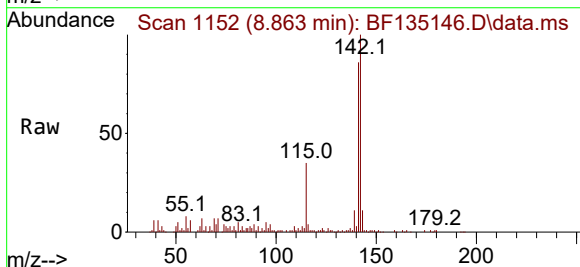
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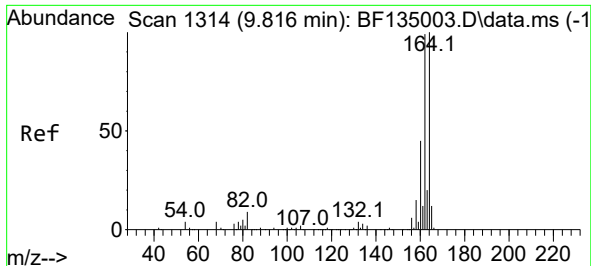
Reviewed By :Yogesh Patel 09/08/2023
Supervised By :mohammad ahmed 09/09/2023



#38
1-Methylnaphthalene
Concen: 4.289 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

Tgt Ion:142 Resp: 49124
Ion Ratio Lower Upper
142 100
141 86.5 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683

Tgt Ion:164 Resp: 16437

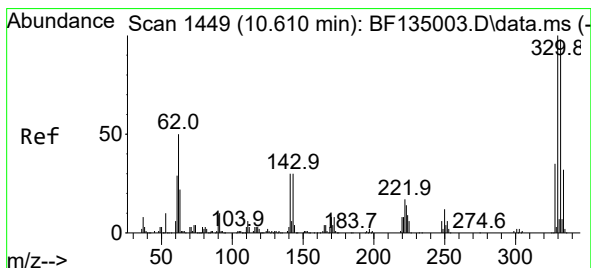
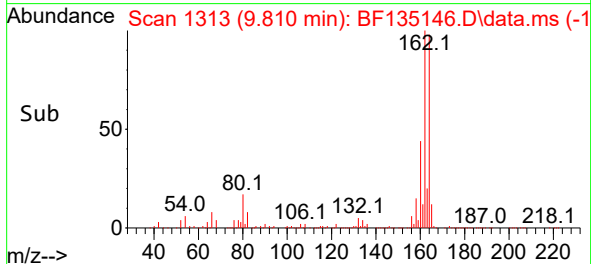
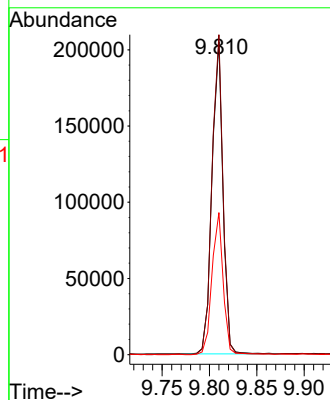
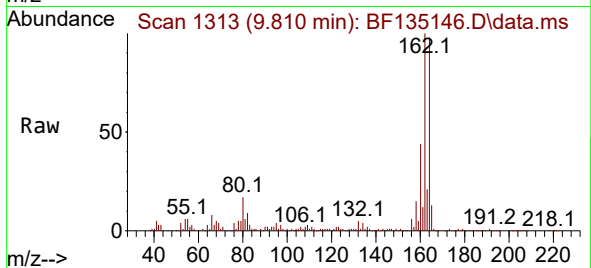
Ion	Ratio	Lower	Upper
164	100		
162	102.2	79.5	119.3
160	45.4	36.0	54.0

Manual Integrations

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Supervised By :mohammad ahmed 09/09/2023



#42

2,4,6-Tribromophenol

Concen: 83.550 ng

RT: 10.604 min Scan# 1448

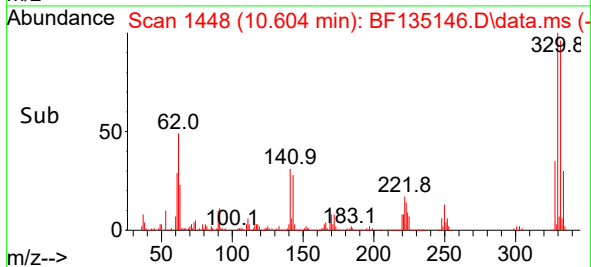
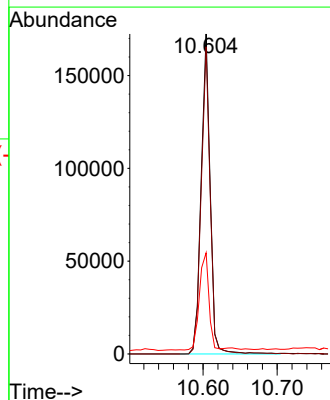
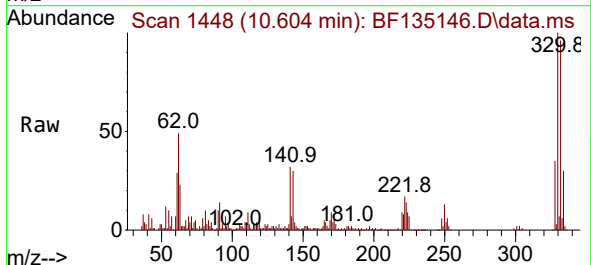
Delta R.T. -0.006 min

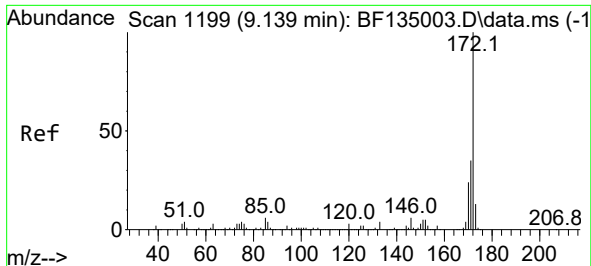
Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Tgt Ion:330 Resp: 145680

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.6	116.4
141	31.9	26.3	39.5





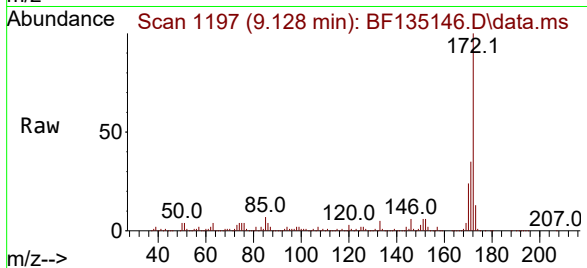
#45
2-Fluorobiphenyl
Concen: 63.153 ng
RT: 9.128 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683



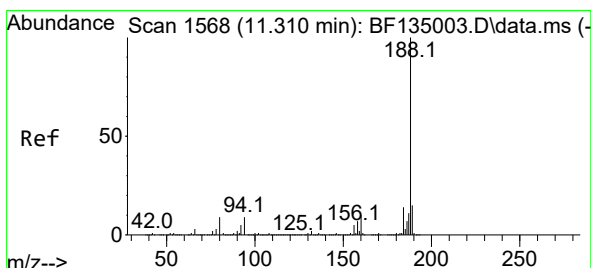
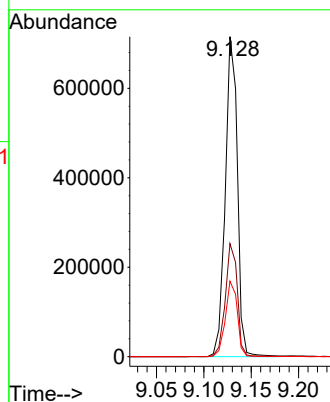
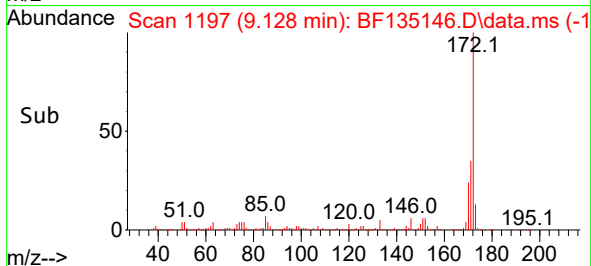
Tgt Ion:172 Resp: 63758
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.6 19.0 28.4

Manual Integrations

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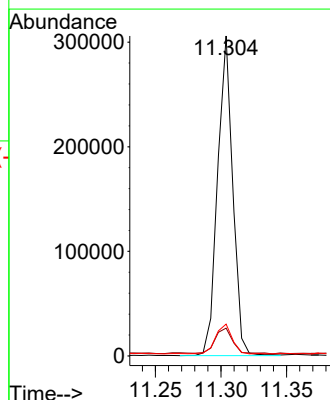
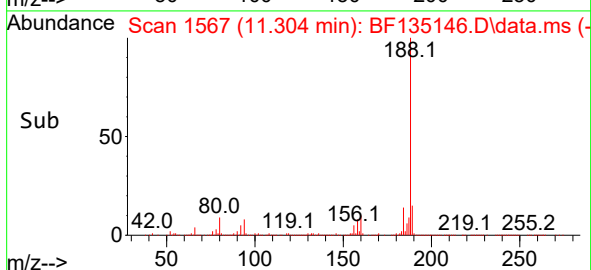
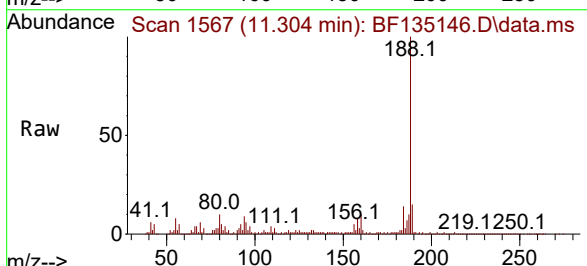
Reviewed By :Yogesh Patel 09/08/2023

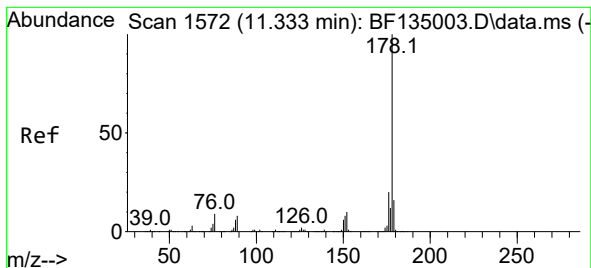
Supervised By :mohammad ahmed 09/09/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

Tgt Ion:188 Resp: 245230
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.4
80 9.9 7.4 11.2





#71

Phenanthrene

Concen: 5.260 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683

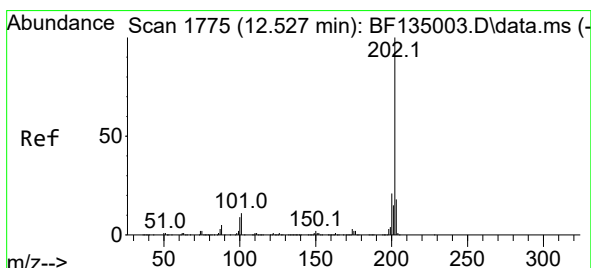
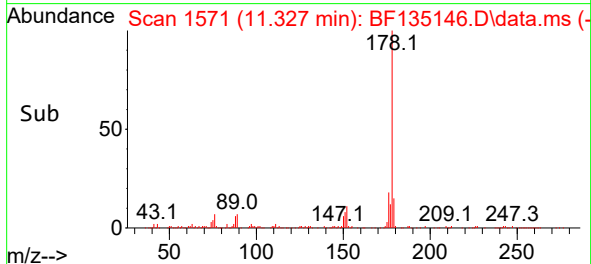
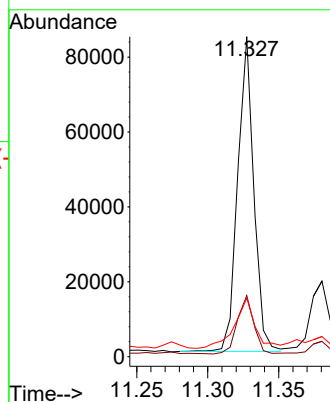
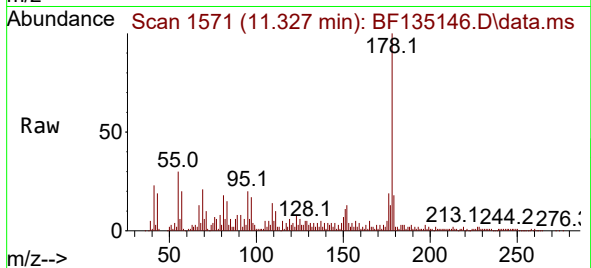
Tgt Ion:178	Resp:	66550
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.9 23.9
179	18.3	12.5 18.7

Manual Integrations

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Reviewed By :Yogesh Patel 09/08/2023

Supervised By :mohammad ahmed 09/09/2023



#75

Fluoranthene

Concen: 9.536 ng

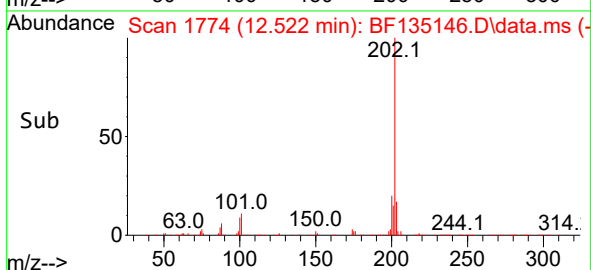
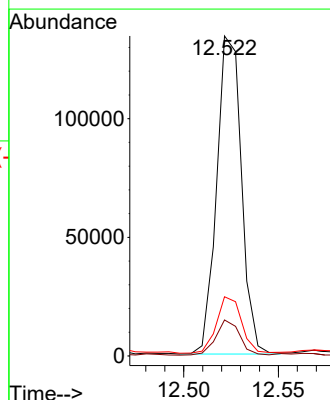
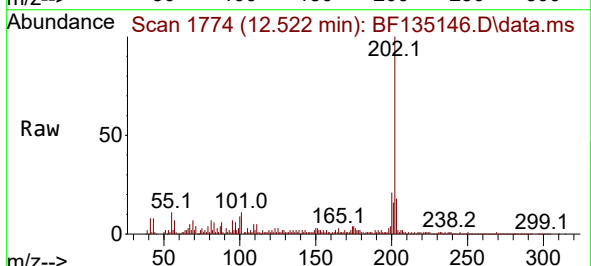
RT: 12.522 min Scan# 1774

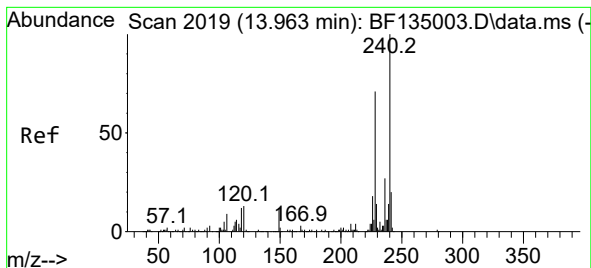
Delta R.T. -0.006 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

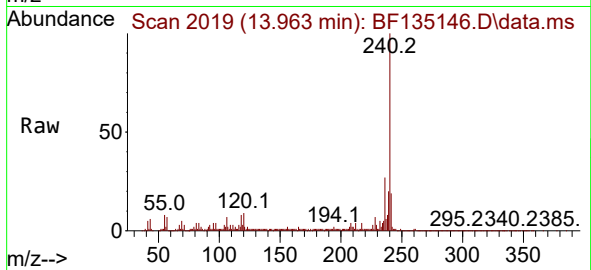
Tgt Ion:202	Resp:	121973
Ion Ratio	Lower	Upper
202	100	
101	11.3	0.0 31.5
203	18.5	0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

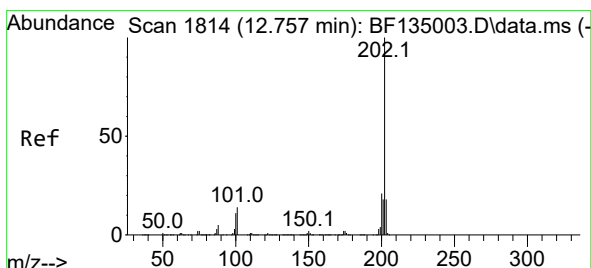
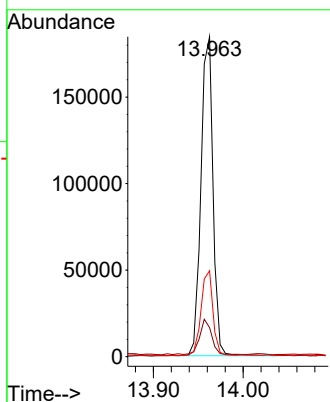
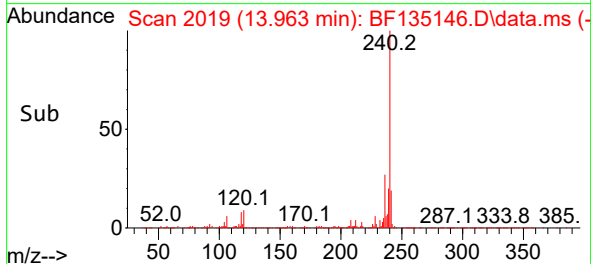
Instrument :
BNA_F
ClientSampleId :
RT2683



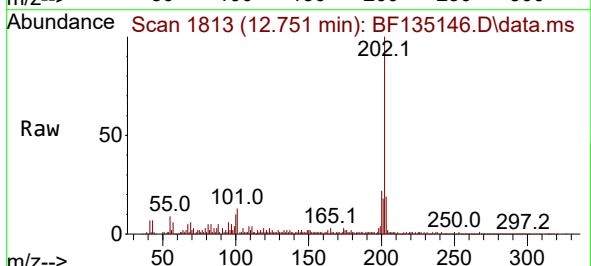
Tgt Ion:240 Resp: 17181
Ion Ratio Lower Upper
240 100
120 9.1 10.2 15.2
236 26.9 21.3 31.9

Manual Integrations
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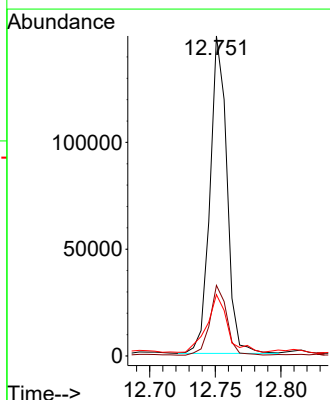
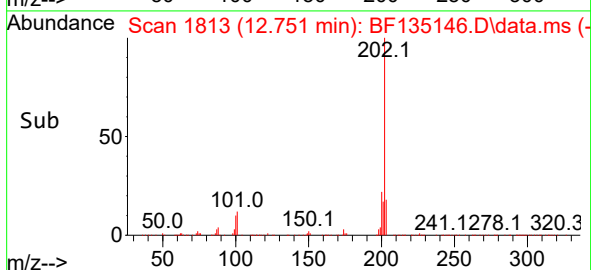
Reviewed By :Yogesh Patel 09/08/2023
Supervised By :mohammad ahmed 09/09/2023

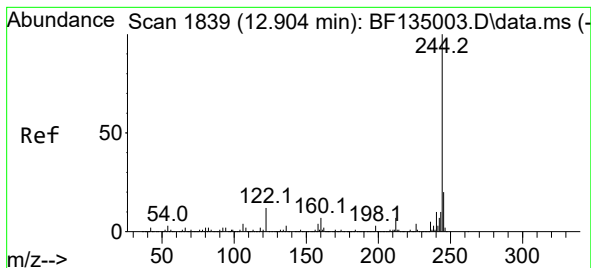


#78
Pyrene
Concen: 8.190 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53



Tgt Ion:202 Resp: 133597
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 19.1 14.2 21.2





#79

Terphenyl-d14

Concen: 46.551 ng

RT: 12.904 min Scan# 1839

Delta R.T. 0.000 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683

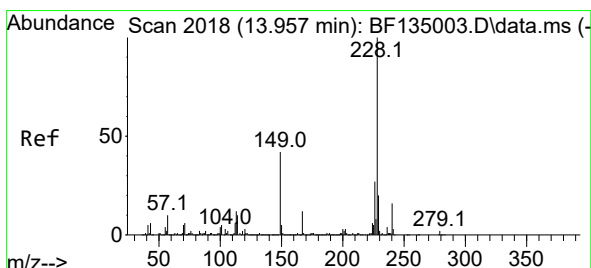
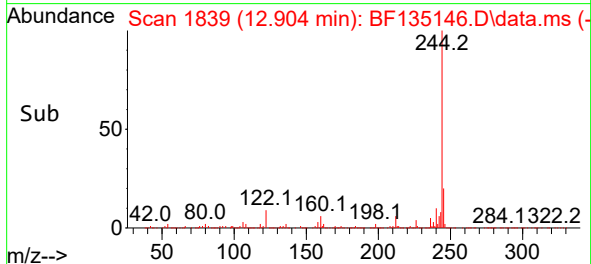
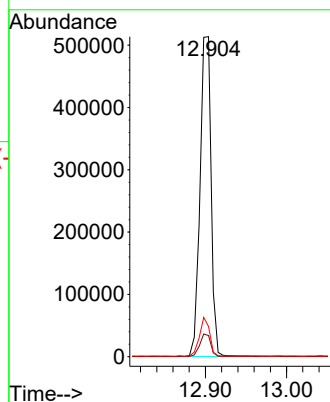
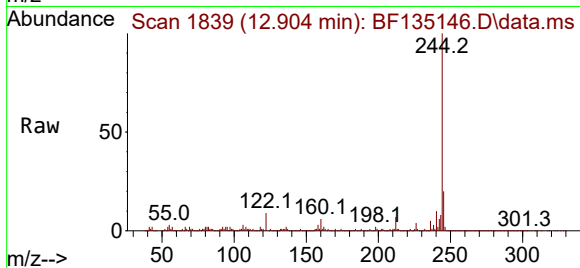
Tgt Ion:244 Resp: 490098
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 9.4 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/08/2023

Supervised By :mohammad ahmed 09/09/2023



#81

Benzo(a)anthracene

Concen: 6.036 ng

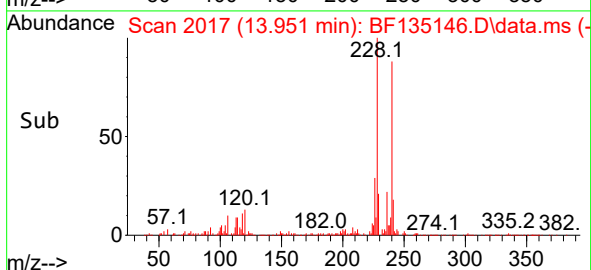
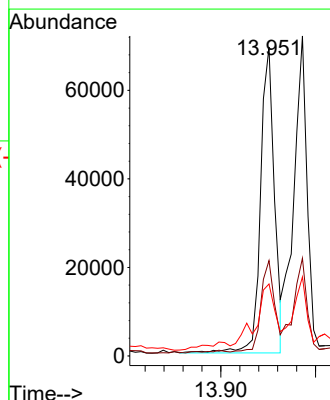
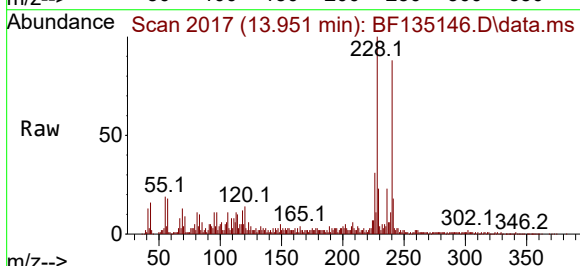
RT: 13.951 min Scan# 2017

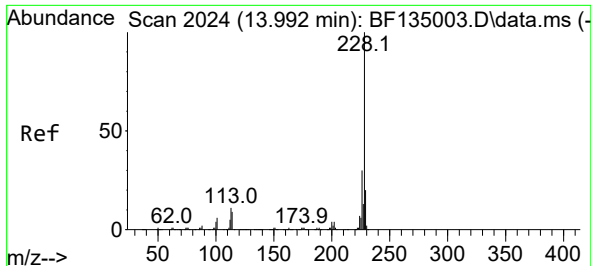
Delta R.T. -0.006 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

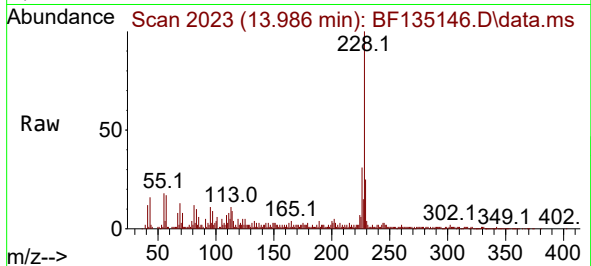
Tgt Ion:228 Resp: 70743
 Ion Ratio Lower Upper
 228 100
 226 30.9 21.6 32.4
 229 23.3 15.6 23.4





#83
Chrysene
Concen: 6.129 ng m
RT: 13.986 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

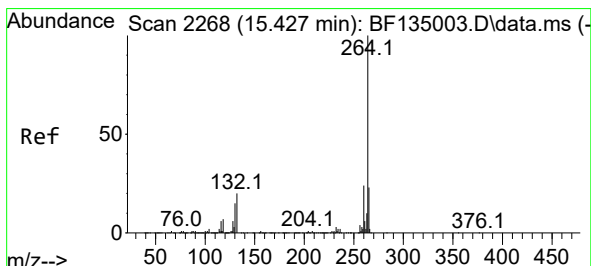
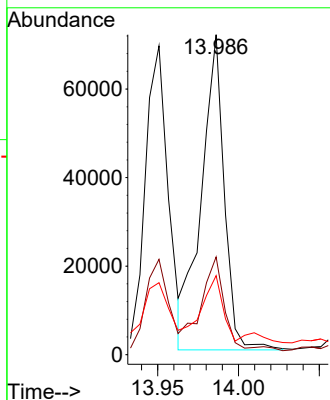
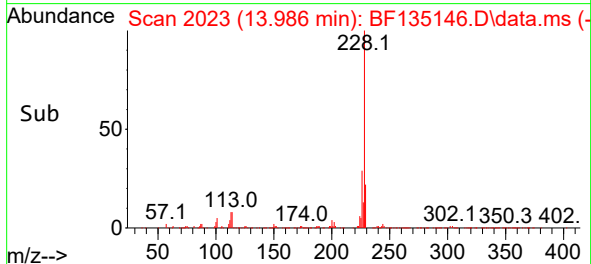
Instrument :
BNA_F
ClientSampleId :
RT2683



Tgt Ion:228 Resp: 70598
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.4
229 24.7 15.9 23.9

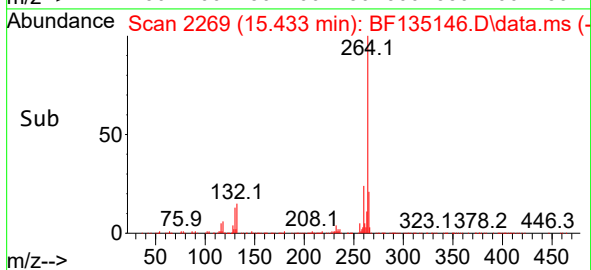
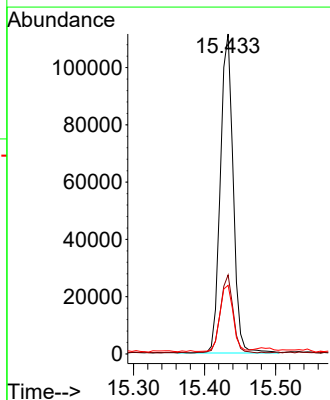
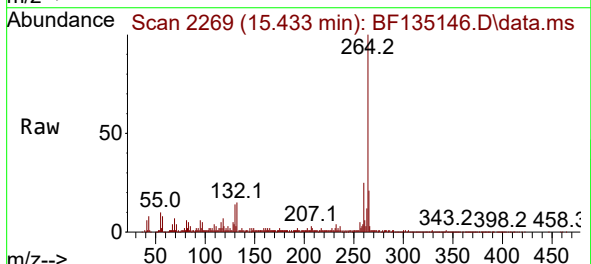
Manual Integrations
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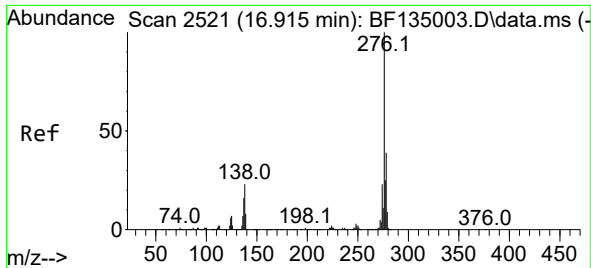
Reviewed By :Yogesh Patel 09/08/2023
Supervised By :mohammad ahmed 09/09/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF135146.D
Acq: 07 Sep 2023 21:53

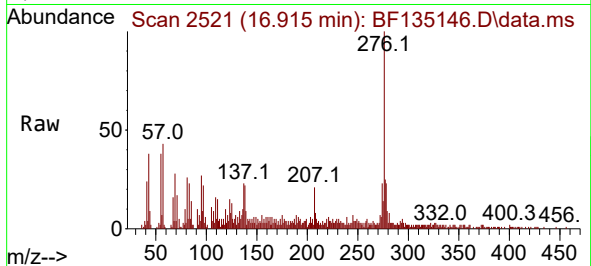
Tgt Ion:264 Resp: 139338
Ion Ratio Lower Upper
264 100
260 24.7 19.0 28.6
265 21.5 18.2 27.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.286 ng
 RT: 16.915 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135146.D
 Acq: 07 Sep 2023 21:53

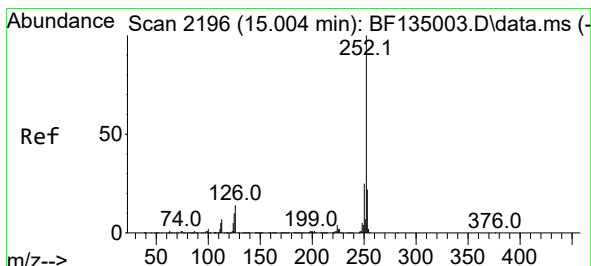
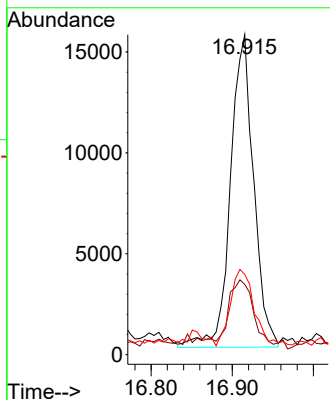
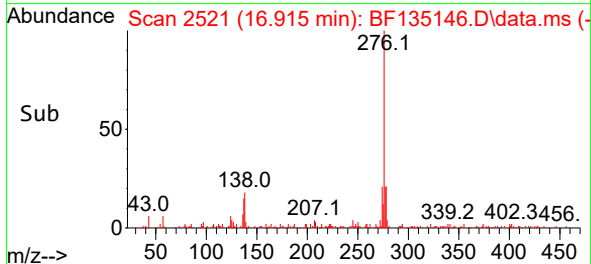
Instrument :
 BNA_F
 ClientSampleId :
 RT2683



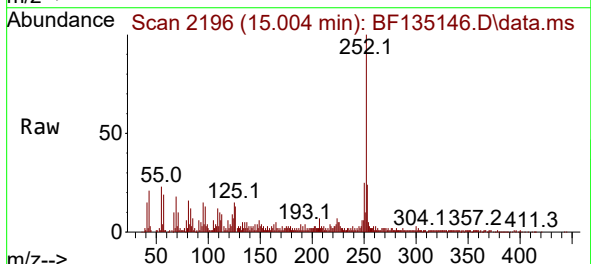
Tgt Ion:276 Resp: 30840
 Ion Ratio Lower Upper
 276 100
 138 23.1 20.2 30.2
 277 24.9 20.4 30.6

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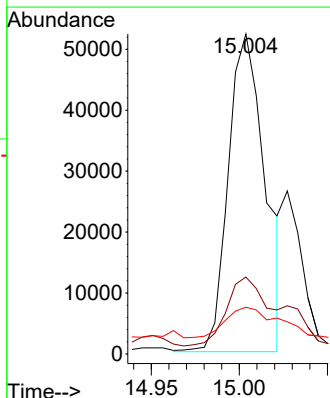
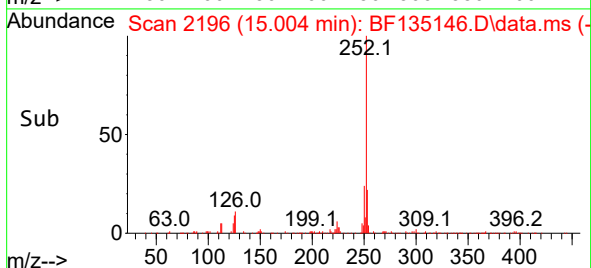
Reviewed By :Yogesh Patel 09/08/2023
 Supervised By :mohammad ahmed 09/09/2023

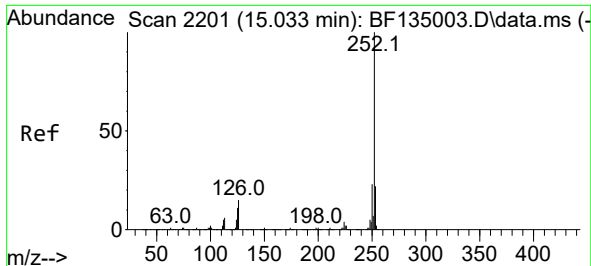


#88
 Benzo(b)fluoranthene
 Concen: 8.772 ng m
 RT: 15.004 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF135146.D
 Acq: 07 Sep 2023 21:53



Tgt Ion:252 Resp: 76052
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.8 26.8
 125 14.6 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 2.552 ng m

RT: 15.027 min Scan# 2137

Delta R.T. -0.006 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683

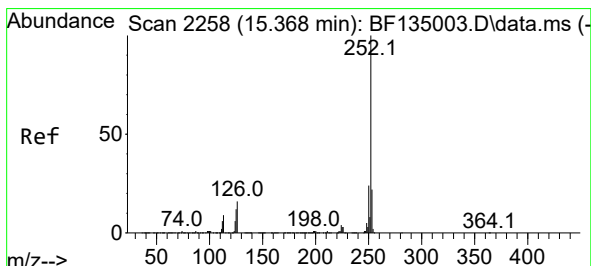
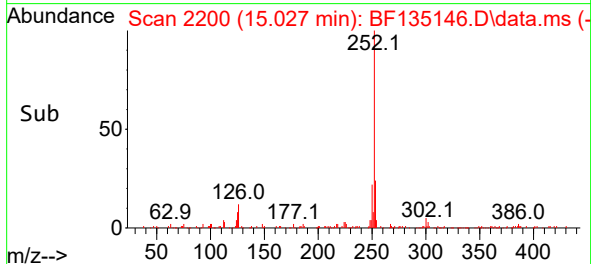
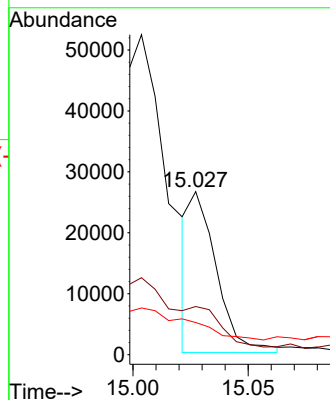
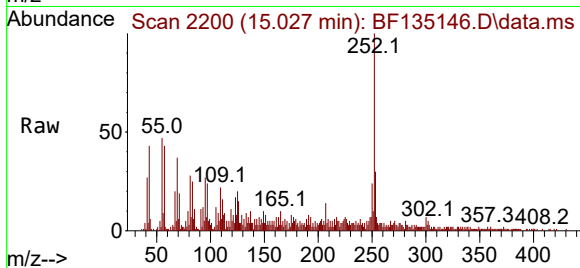
Tgt Ion:	252	Resp:	2137
Ion Ratio	Lower	Upper	
252	100		
253	29.6	17.4	26.0
125	19.7	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/08/2023

Supervised By :mohammad ahmed 09/09/2023



#90

Benzo(a)pyrene

Concen: 6.350 ng

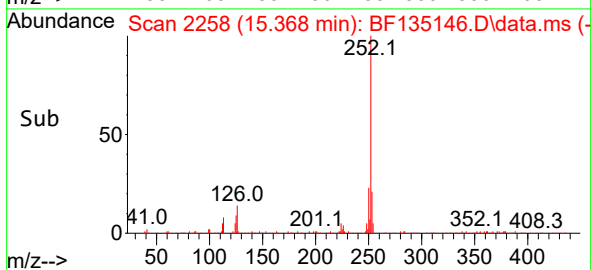
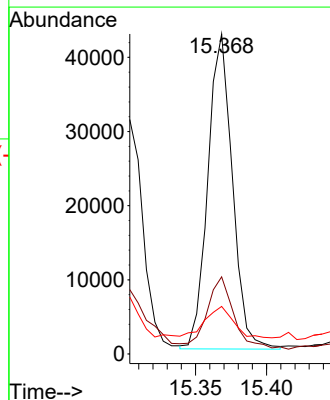
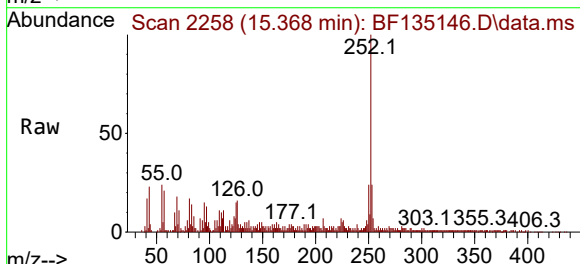
RT: 15.368 min Scan# 2258

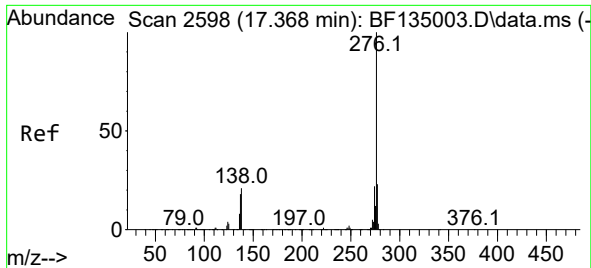
Delta R.T. 0.000 min

Lab File: BF135146.D

Acq: 07 Sep 2023 21:53

Tgt Ion:	252	Resp:	51140
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.0
125	14.8	9.5	14.3





#92
 Benzo(g,h,i)perylene
 Concen: 3.671 ng
 RT: 17.362 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF135146.D
 Acq: 07 Sep 2023 21:53

Instrument :

BNA_F

ClientSampleId :

RT2683

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.5	27.7
138	26.4	17.1	25.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/08/2023

Supervised By :mohammad ahmed 09/09/2023

