

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
 Data File : BF134576.D
 Acq On : 02 Aug 2023 12:58
 Operator : CG\JU
 Sample : 03686-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-0-2-20230719

Quant Time: Aug 02 13:22:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/03/2023
 Supervised By :mohammad ahmed 08/03/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	187494	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	654453	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	244396	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	422517	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	290201	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	238882	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	919153	74.520	ng	0.00
7) Phenol-d6	6.422	99	1132628	71.835	ng	0.00
23) Nitrobenzene-d5	7.351	82	641353	61.242	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	173438	69.615	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1006846	68.499	ng	0.00
79) Terphenyl-d14	12.910	244	1030220	62.582	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.339	178	66288	2.954	ng	97
75) Fluoranthene	12.527	202	228740	9.649	ng	97
78) Pyrene	12.757	202	205040	8.165	ng	98
81) Benzo(a)anthracene	13.951	228	102322	4.931	ng	93
83) Chrysene	13.986	228	92486	4.575	ng	96
87) Indeno(1,2,3-cd)pyrene	16.892	276	47890	3.409	ng	# 94
88) Benzo(b)fluoranthene	14.998	252	119264m	8.186	ng	
89) Benzo(k)fluoranthene	15.021	252	29159m	2.009	ng	
90) Benzo(a)pyrene	15.357	252	74765	5.504	ng	# 94
92) Benzo(g,h,i)perylene	17.333	276	41975	3.624	ng	# 83

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

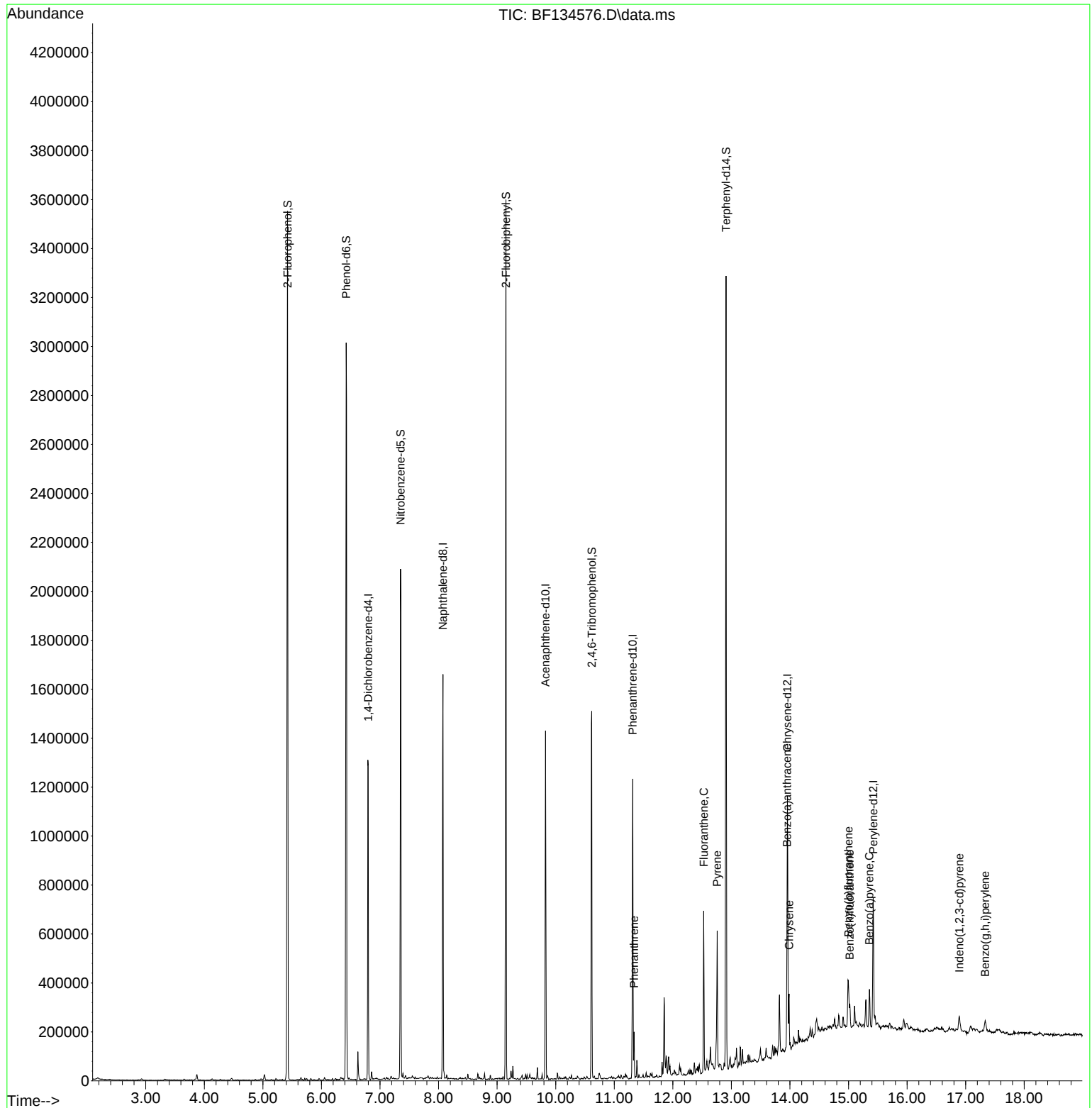
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080223\
Data File : BF134576.D
Acq On : 02 Aug 2023 12:58
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ALS Vial : 10 Sample Multiplier: 1

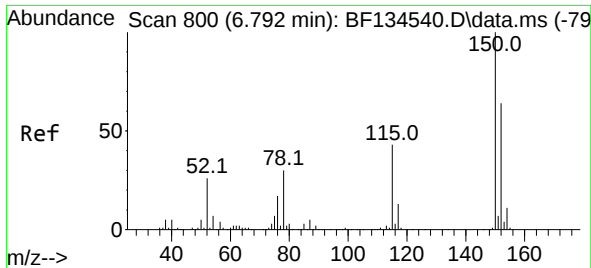
Instrument :
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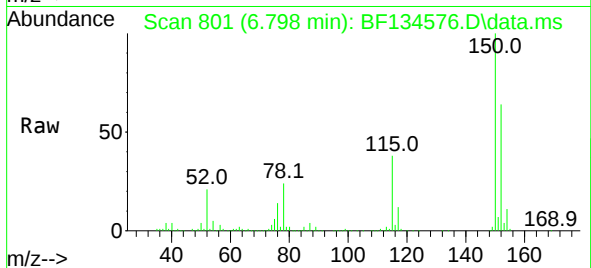
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

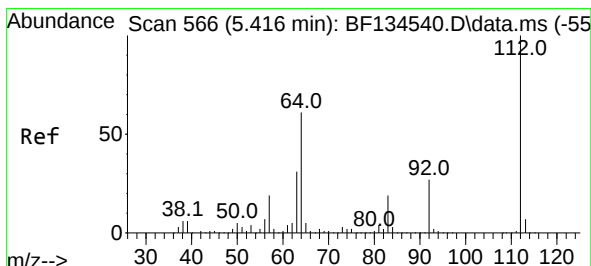
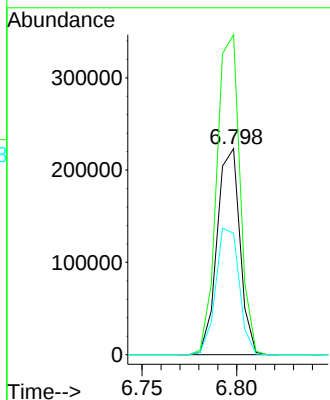
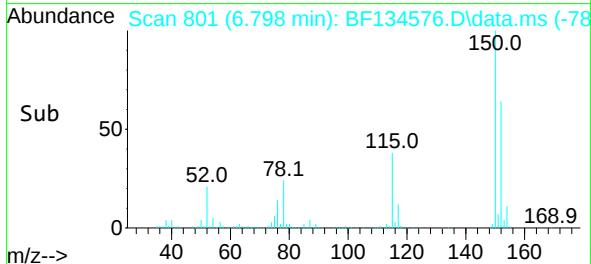
Instrument :
BNA_F
ClientSampleId :
SB-21-0-2-20230719



Tgt Ion:152 Resp: 187494
Ion Ratio Lower Upper
152 100
150 155.2 128.3 192.5
115 58.9 52.4 78.6

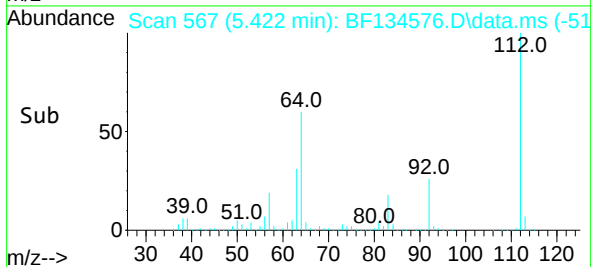
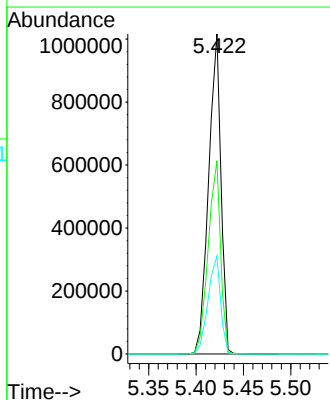
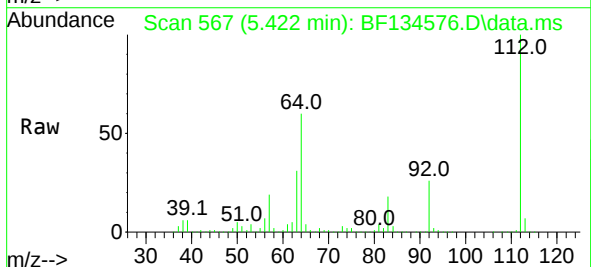
Manual Integrations
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Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#5
2-Fluorophenol
Concen: 74.520 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

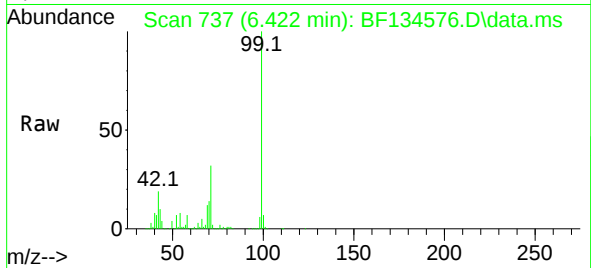
Tgt Ion:112 Resp: 919153
Ion Ratio Lower Upper
112 100
64 60.4 44.9 67.3
63 30.6 25.4 38.0





#7
Phenol-d6
Concen: 71.835 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

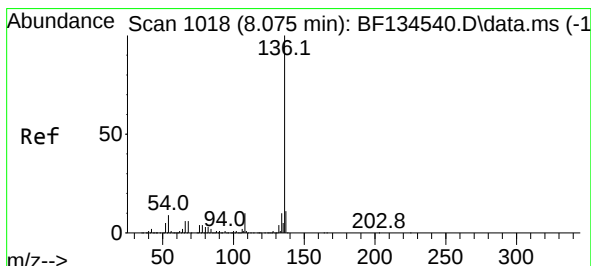
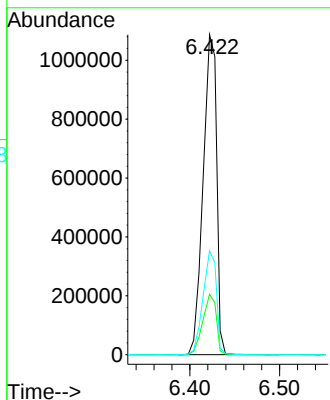
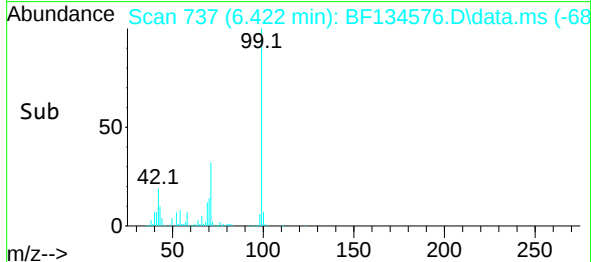
Instrument :
BNA_F
ClientSampleId :
SB-21-0-2-20230719



Tgt Ion: 99 Resp: 1132628
Ion Ratio Lower Upper
99 100
42 18.9 18.7 28.1
71 32.5 36.4 54.6

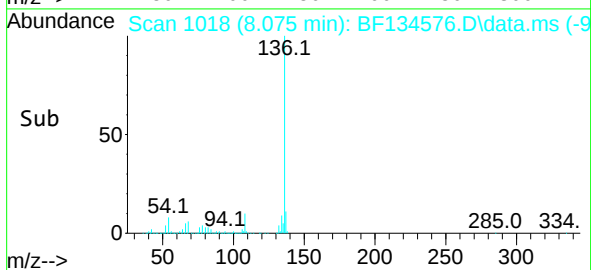
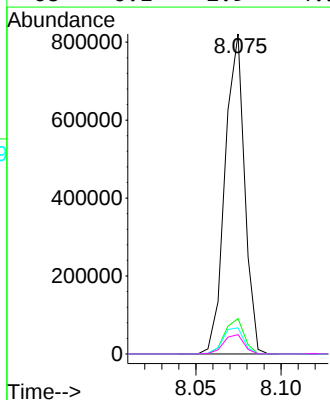
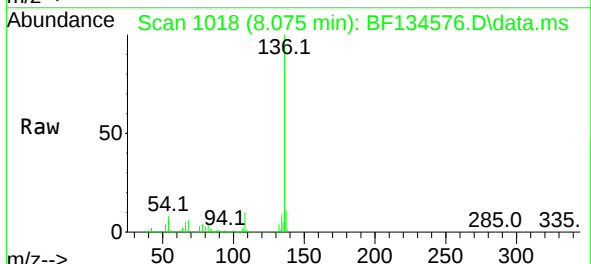
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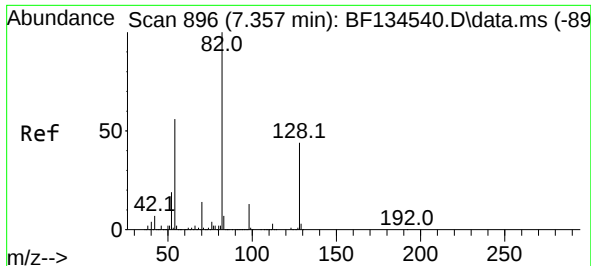
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

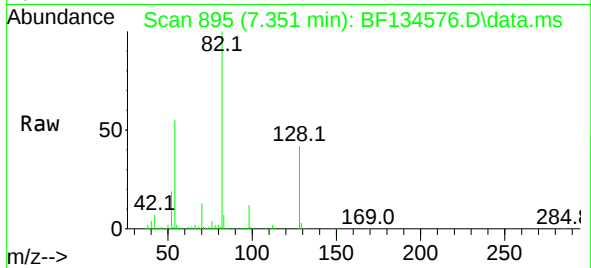
Tgt Ion:136 Resp: 654453
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.2 5.2 7.8#
68 6.1 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 61.242 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

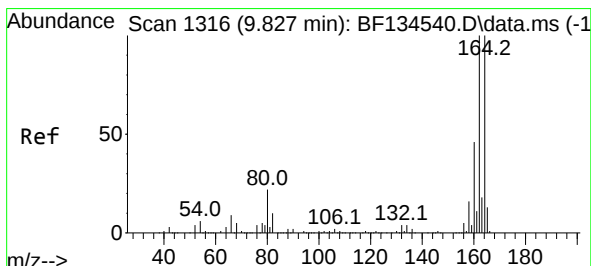
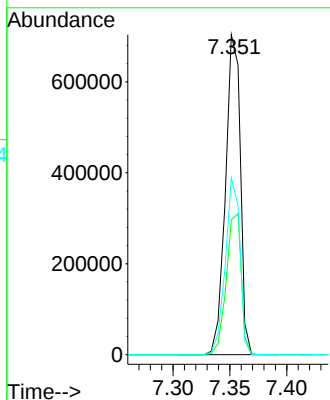
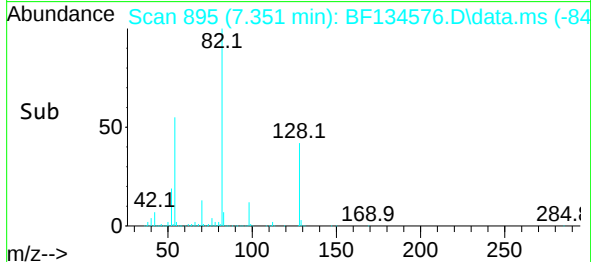
Instrument :
BNA_F
ClientSampleId :
SB-21-0-2-20230719



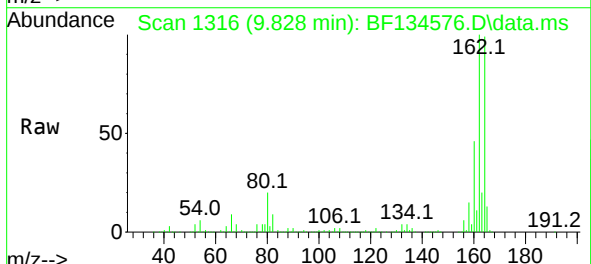
Tgt Ion: 82 Resp: 64135
Ion Ratio Lower Upper
82 100
128 42.2 34.3 51.5
54 55.2 43.8 65.6

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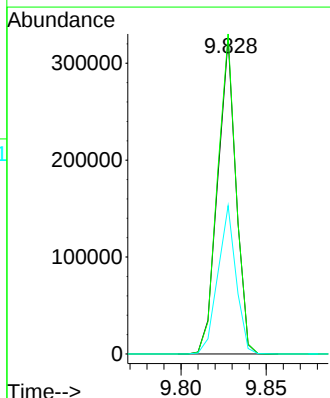
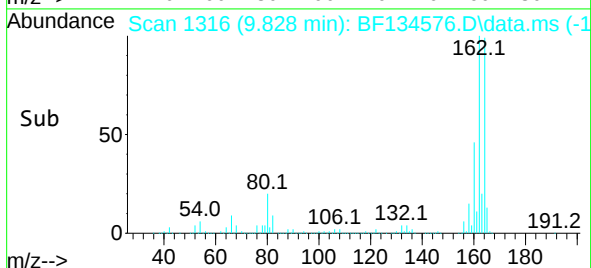
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023

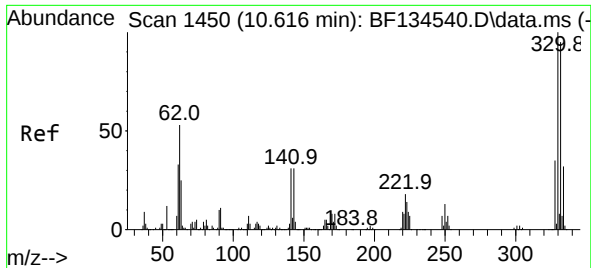


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58



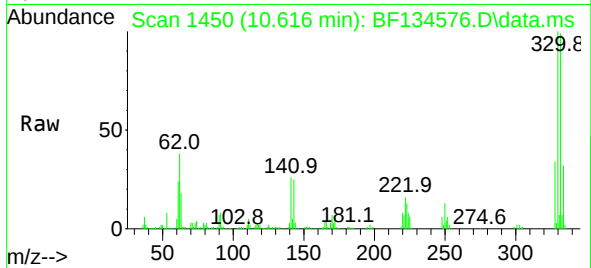
Tgt Ion:164 Resp: 244396
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 47.0 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 69.615 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

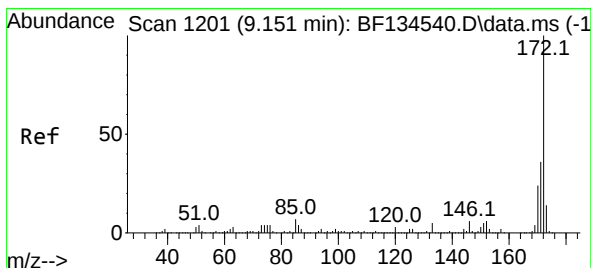
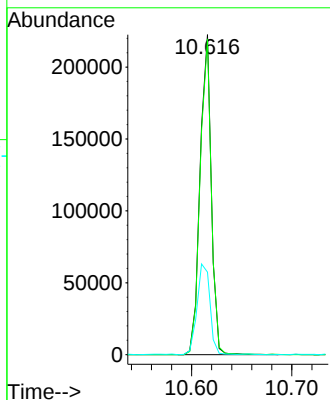
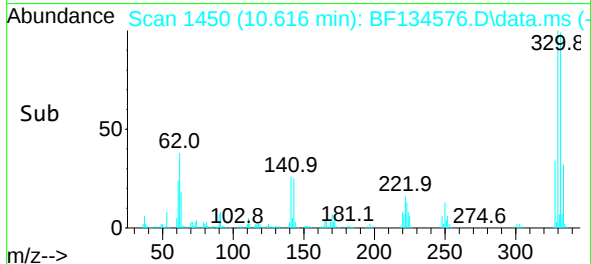
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ClientSampleId :
SB-21-0-2-20230719



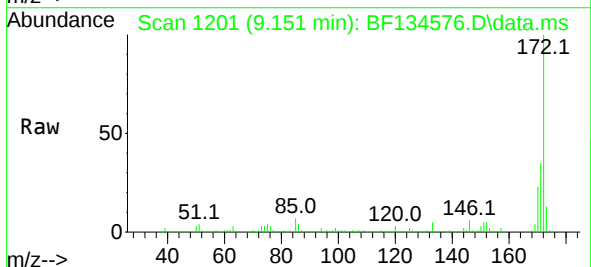
Tgt Ion: 330 Resp: 173438
Ion Ratio Lower Upper
330 100
332 98.5 78.8 118.2
141 32.6 25.4 38.2

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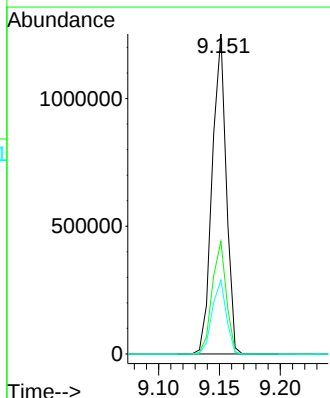
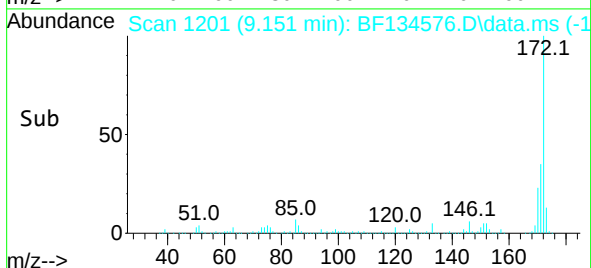
Reviewed By : Yogesh Patel 08/03/2023
Supervised By : mohammad ahmed 08/03/2023



#45
2-Fluorobiphenyl
Concen: 68.499 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58



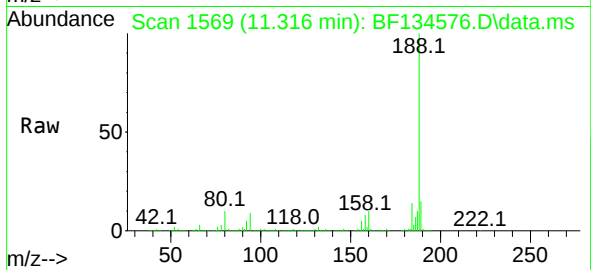
Tgt Ion: 172 Resp: 1006846
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.2 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

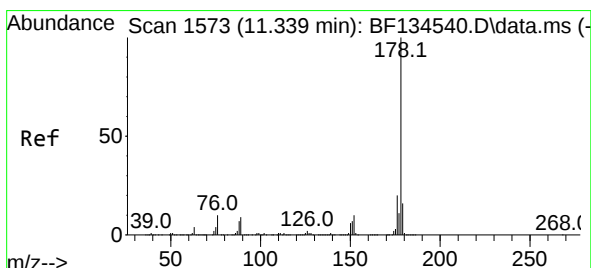
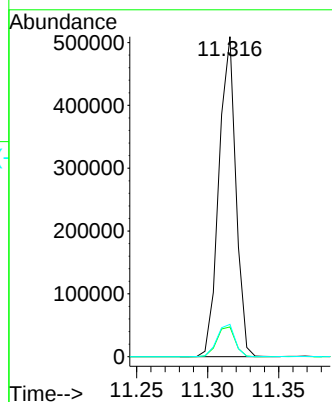
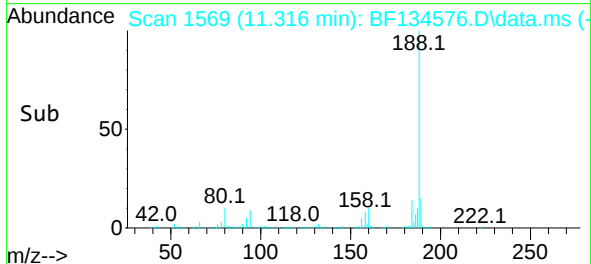
Instrument :
BNA_F
ClientSampleId :
SB-21-0-2-20230719



Tgt Ion:188 Resp: 422517
Ion Ratio Lower Upper
188 100
94 9.3 5.1 7.7
80 10.1 6.6 9.8

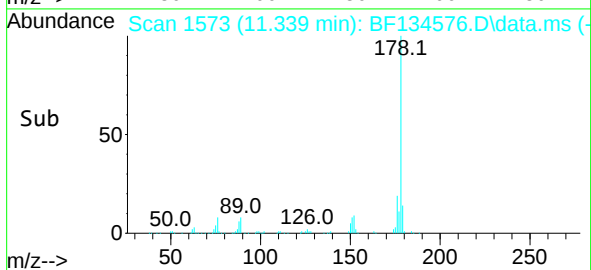
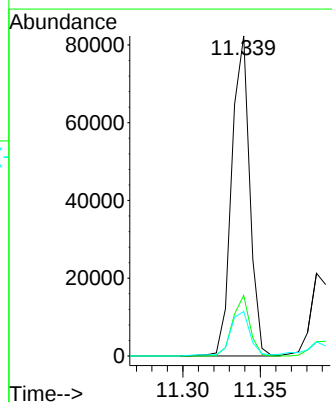
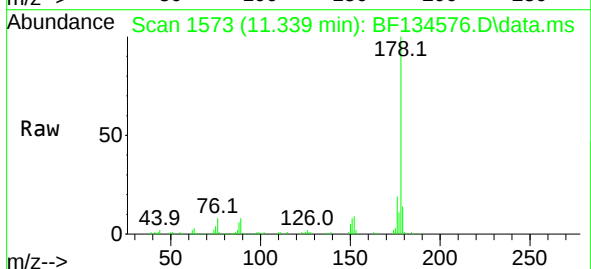
Manual Integrations
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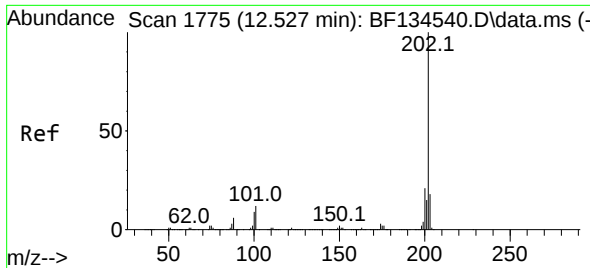
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#71
Phenanthrene
Concen: 2.954 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

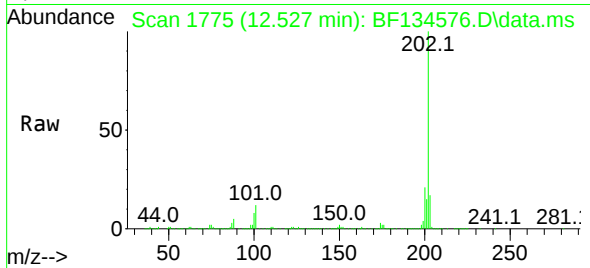
Tgt Ion:178 Resp: 66288
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 13.9 12.7 19.1





#75
Fluoranthene
Concen: 9.649 ng
RT: 12.527 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

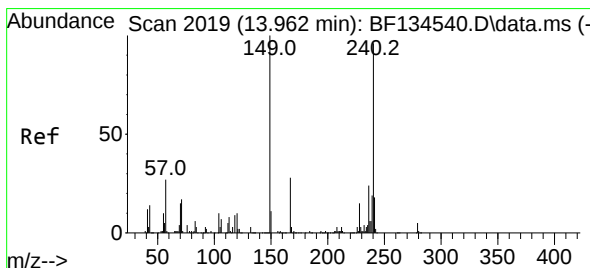
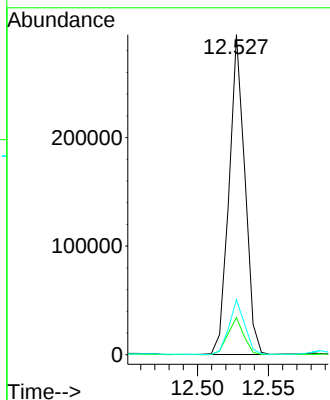
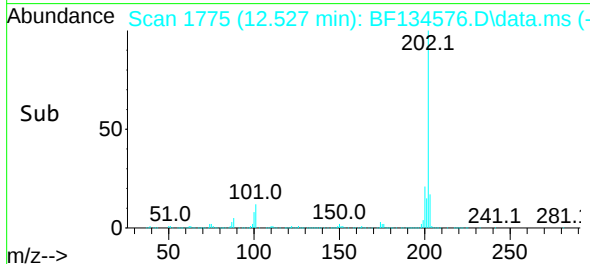
Instrument :
BNA_F
ClientSampleId :
SB-21-0-2-20230719



Tgt Ion:202 Resp: 228740
Ion Ratio Lower Upper
202 100
101 11.6 0.0 28.5
203 17.2 0.0 37.5

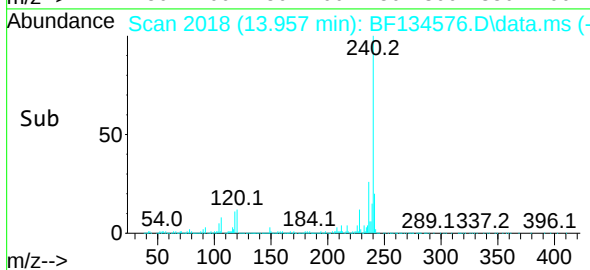
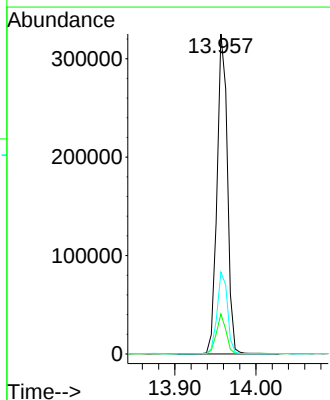
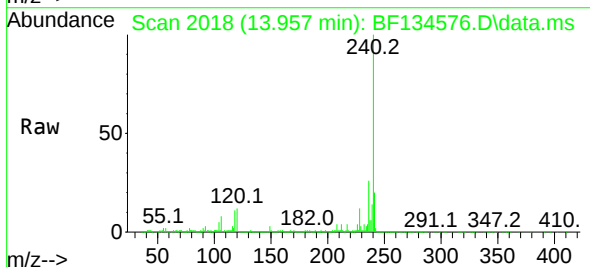
Manual Integrations
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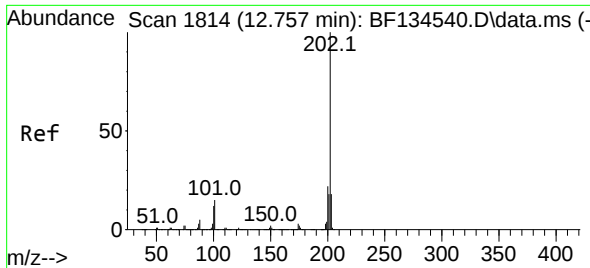
Reviewed By :Yogesh Patel 08/03/2023
Supervised By :mohammad ahmed 08/03/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

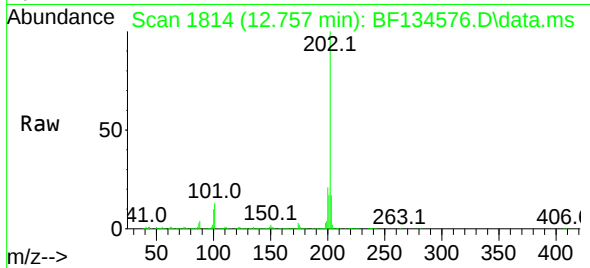
Tgt Ion:240 Resp: 290201
Ion Ratio Lower Upper
240 100
120 12.5 6.6 10.0#
236 25.6 20.2 30.2





#78
Pyrene
Concen: 8.165 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58

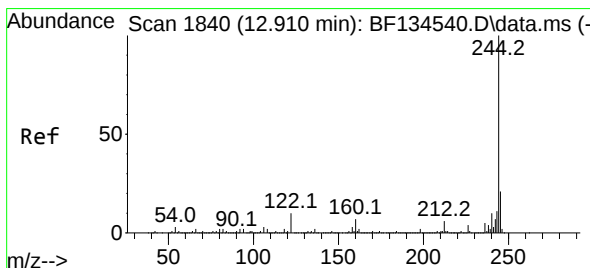
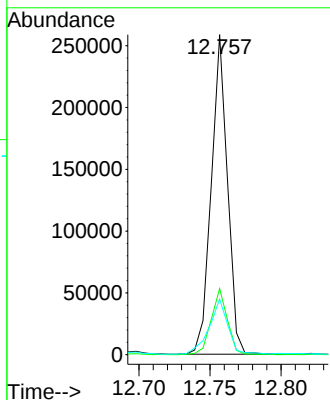
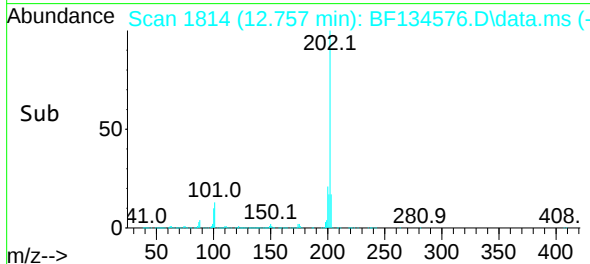
Instrument :
BNA_F
ClientSampleId :
SB-21-0-2-20230719



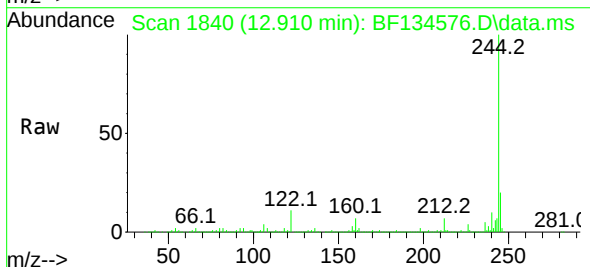
Tgt Ion:202 Resp: 205040
Ion Ratio Lower Upper
202 100
200 20.7 15.8 23.8
203 17.4 13.5 20.3

Manual Integrations
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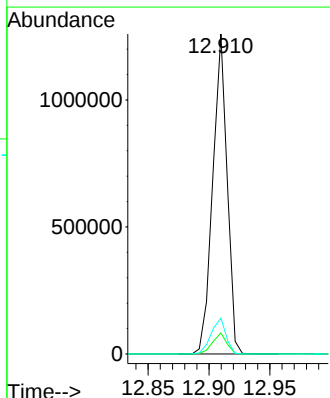
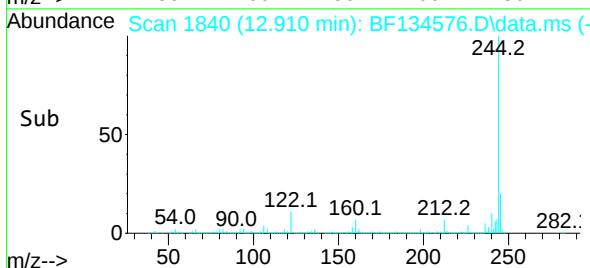
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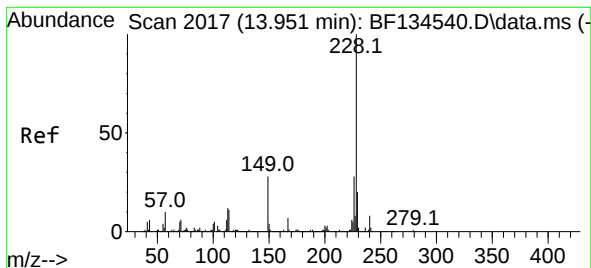


#79
Terphenyl-d14
Concen: 62.582 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF134576.D
Acq: 02 Aug 2023 12:58



Tgt Ion:244 Resp: 1030220
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 11.1 8.0 12.0





#81

Benzo(a)anthracene

Concen: 4.931 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Instrument :

BNA_F

ClientSampleId :

SB-21-0-2-20230719

Tgt Ion:228 Resp: 10232

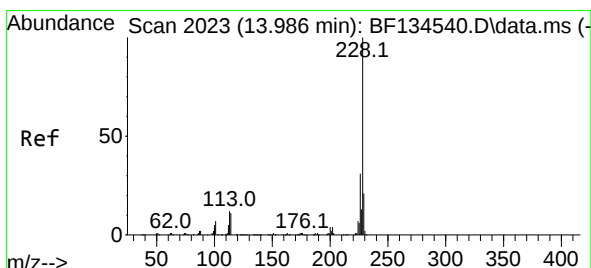
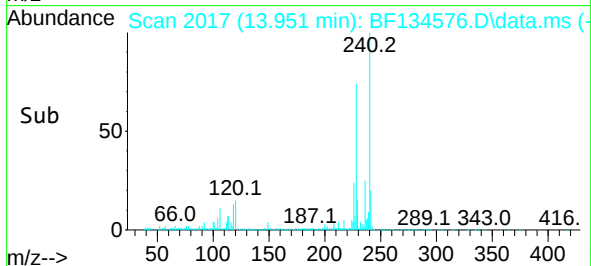
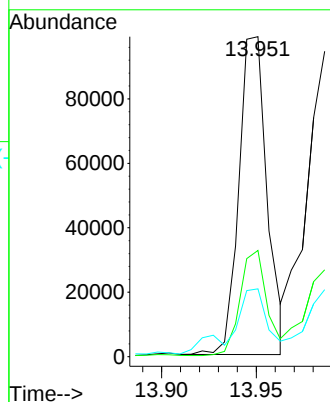
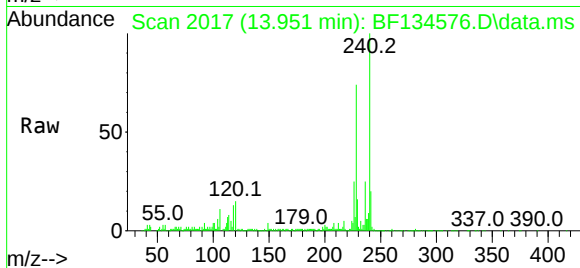
Ion	Ratio	Lower	Upper
228	100		
226	33.2	22.3	33.5
229	21.2	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#83

Chrysene

Concen: 4.575 ng

RT: 13.986 min Scan# 2023

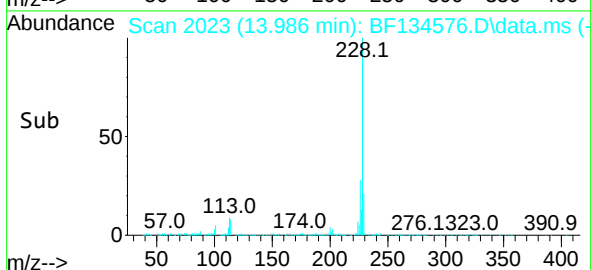
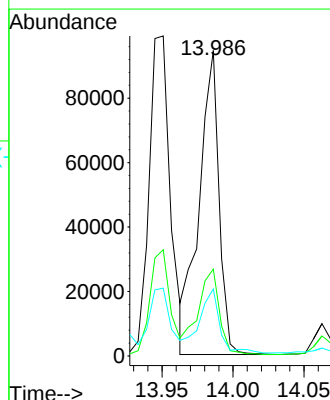
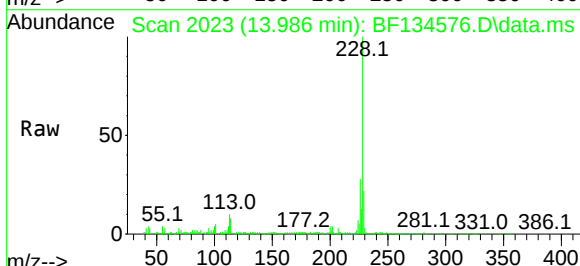
Delta R.T. 0.000 min

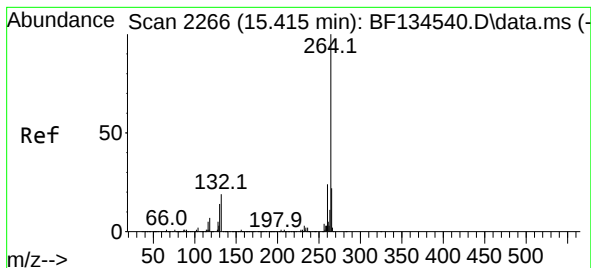
Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Tgt Ion:228 Resp: 92486

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.5	36.7
229	22.0	15.8	23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Instrument :

BNA_F

ClientSampleId :

SB-21-0-2-20230719

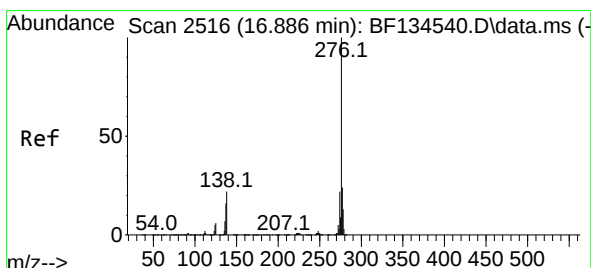
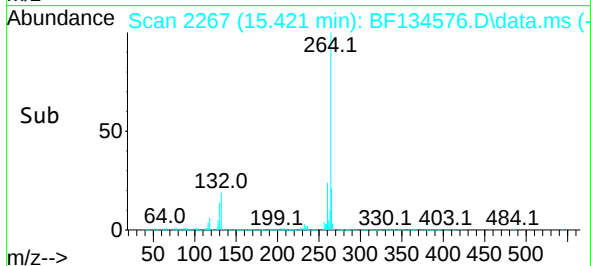
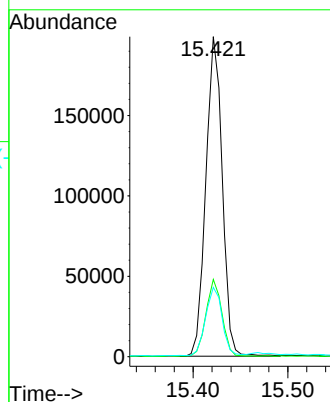
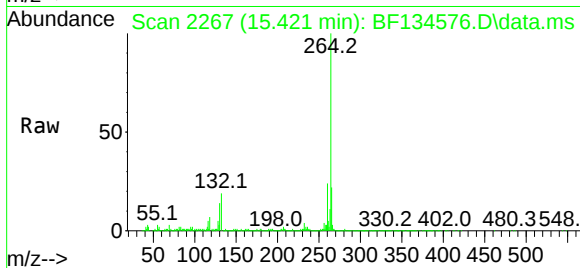
Tgt Ion:264 Resp: 23888
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.4 27.6
 265 21.7 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.409 ng

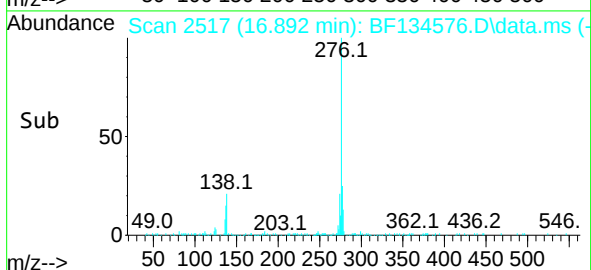
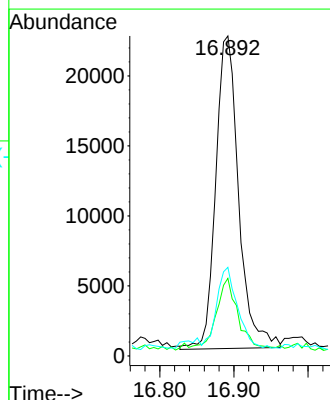
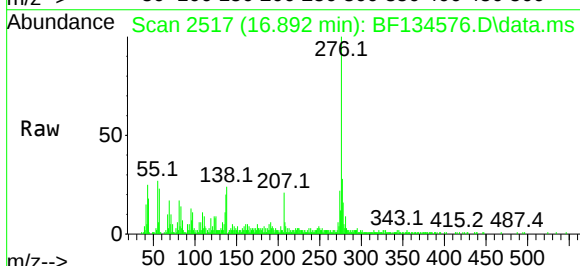
RT: 16.892 min Scan# 2517

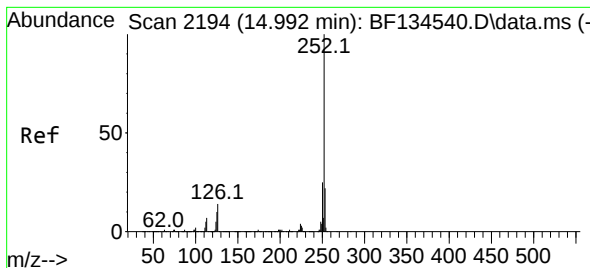
Delta R.T. 0.006 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Tgt Ion:276 Resp: 47890
 Ion Ratio Lower Upper
 276 100
 138 22.6 14.2 21.4#
 277 23.5 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 8.186 ng m

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Instrument :

BNF

ClientSampleId :

SB-21-0-2-20230719

Tgt Ion:252 Resp: 119264

Ion Ratio Lower Upper

252 100

253 23.6 17.3 25.9

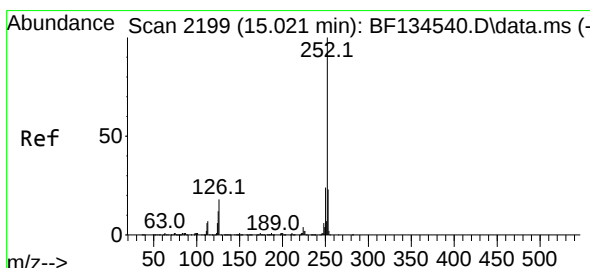
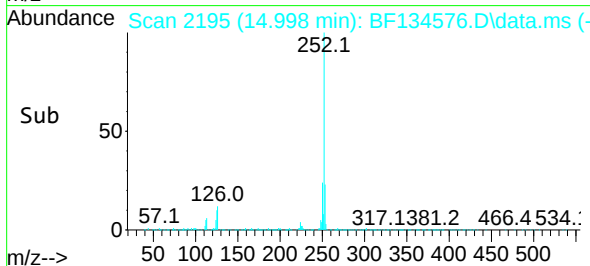
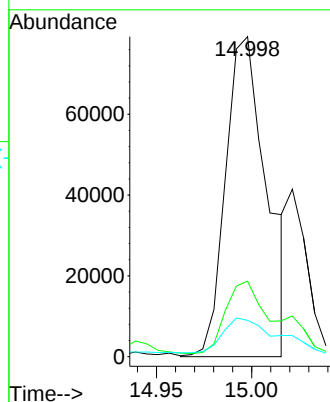
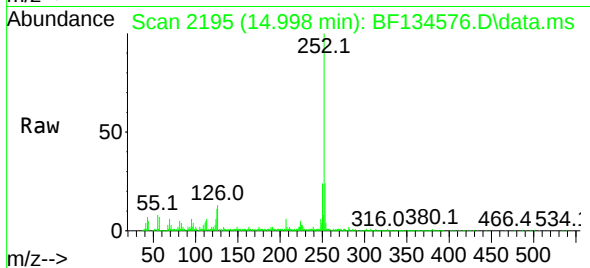
125 11.4 6.0 9.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#89

Benzo(k)fluoranthene

Concen: 2.009 ng m

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

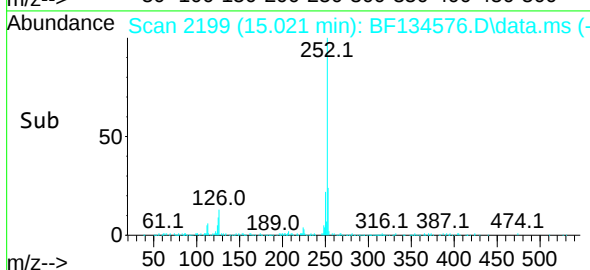
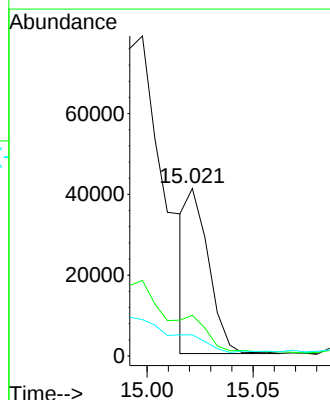
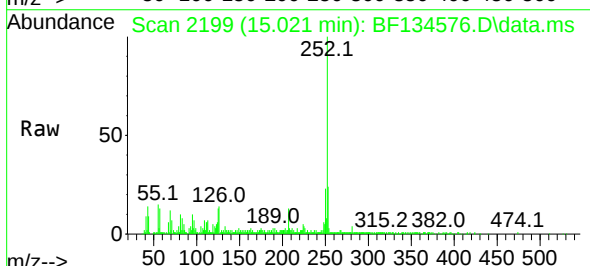
Tgt Ion:252 Resp: 29159

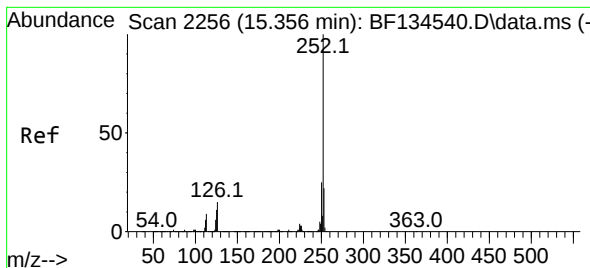
Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

125 12.6 6.3 9.5





#90

Benzo(a)pyrene

Concen: 5.504 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.000 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Instrument :

BNF

ClientSampleId :

SB-21-0-2-20230719

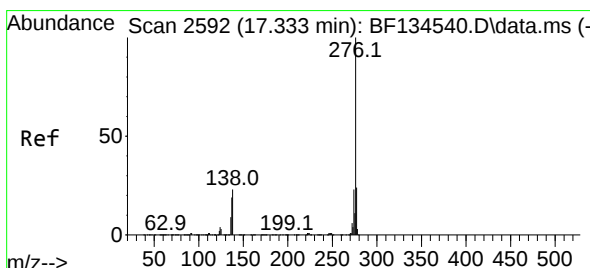
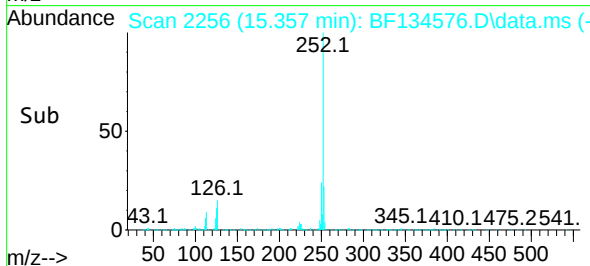
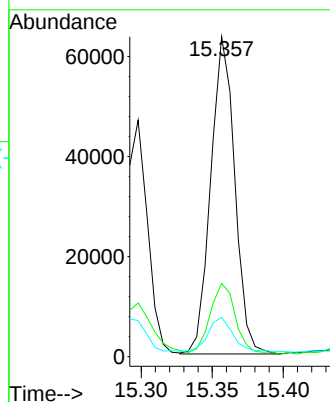
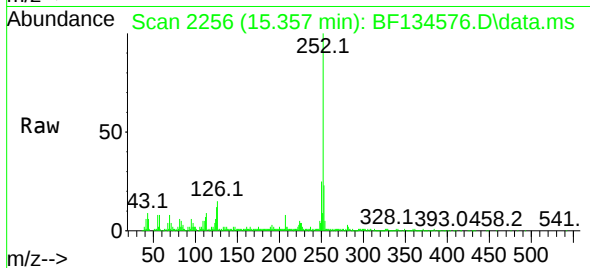
Tgt Ion:	252	Resp:	7476
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.4
125	12.3	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/03/2023

Supervised By :mohammad ahmed 08/03/2023



#92

Benzo(g,h,i)perylene

Concen: 3.624 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.000 min

Lab File: BF134576.D

Acq: 02 Aug 2023 12:58

Tgt Ion:	276	Resp:	41975
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.0	28.6
138	32.5	12.2	18.2

