

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134878.D
 Acq On : 21 Aug 2023 20:54
 Operator : CG\JU
 Sample : 04047-04DL 200X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB05-Z83-84DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

Quant Time: Aug 22 03:24:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	157684	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	621900	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	284154	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	431273	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	337570	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	282272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	2112	0.204	ng	0.00
7) Phenol-d6	6.428	99	2912	0.220	ng	-0.01
23) Nitrobenzene-d5	7.351	82	2929	0.294	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	400	0.138	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	5535	0.324	ng	-0.02
79) Terphenyl-d14	12.904	244	5014	0.262	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.098	128	2393823	76.589	ng	98
37) 2-Methylnaphthalene	8.786	142	741852	35.808	ng	99
38) 1-Methylnaphthalene	8.881	142	465330	24.154	ng	97
46) 1,1'-Biphenyl	9.245	154	106301	4.811	ng	98
49) Acenaphthylene	9.686	152	447751	17.204	ng	98
52) Acenaphthene	9.857	154	57367	3.401	ng	99
58) Fluorene	10.375	166	179928	10.289	ng	94
71) Phenanthrene	11.339	178	633572	27.658	ng	100
72) Anthracene	11.392	178	172947	7.391	ng	99
75) Fluoranthene	12.533	202	217237	8.978	ng	99
78) Pyrene	12.763	202	329291	11.273	ng	98
81) Benzo(a)anthracene	13.957	228	110925m	4.595	ng	
83) Chrysene	13.992	228	99420	4.228	ng	97
88) Benzo(b)fluoranthene	15.004	252	52240m	3.034	ng	
90) Benzo(a)pyrene	15.368	252	61195	3.812	ng	# 95

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

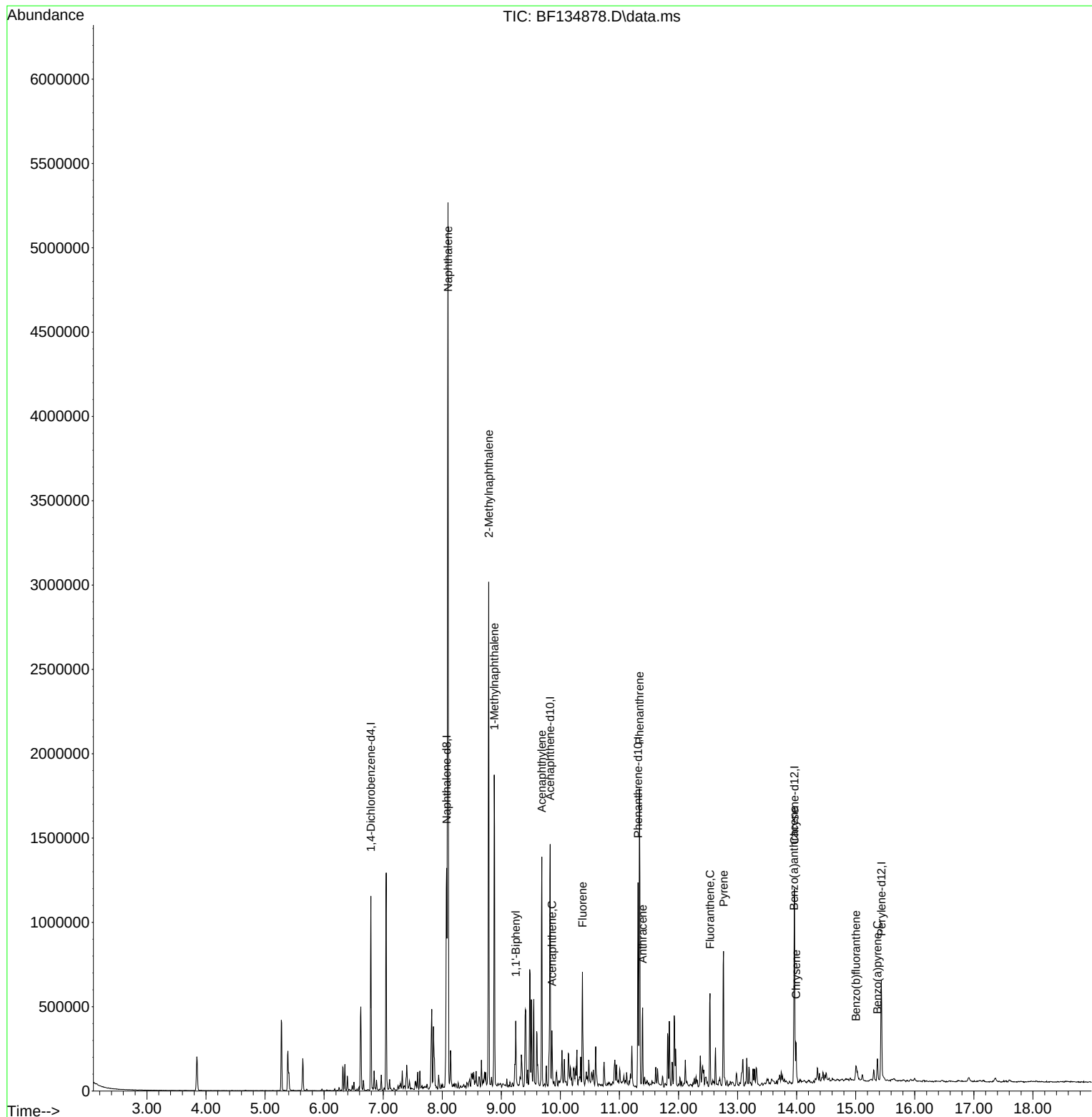
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134878.D
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ALS Vial : 20 Sample Multiplier: 1

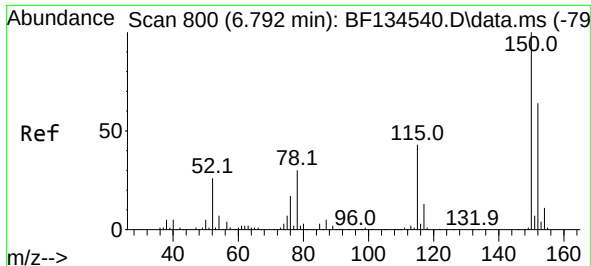
Instrument :
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Quant Time: Aug 22 03:24:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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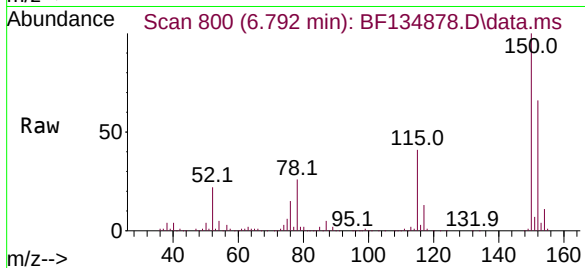
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

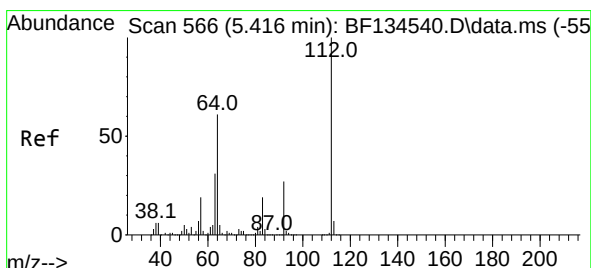
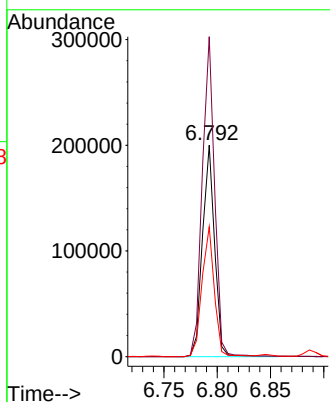
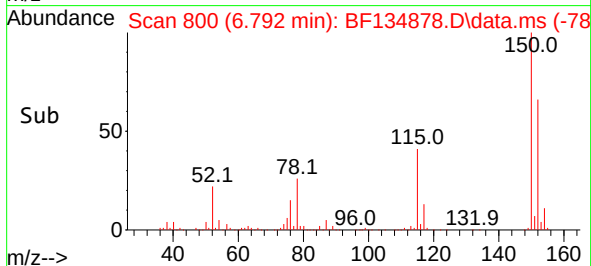
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion:152 Resp: 157684
Ion Ratio Lower Upper
152 100
150 151.3 128.3 192.5
115 61.4 52.4 78.6

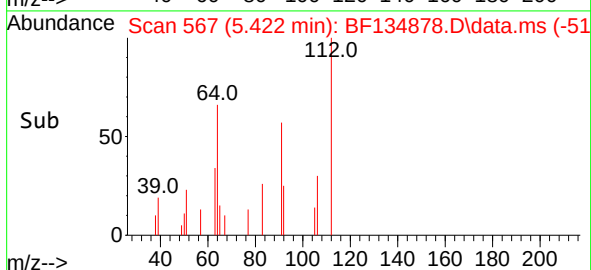
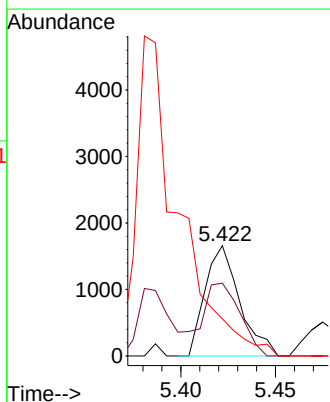
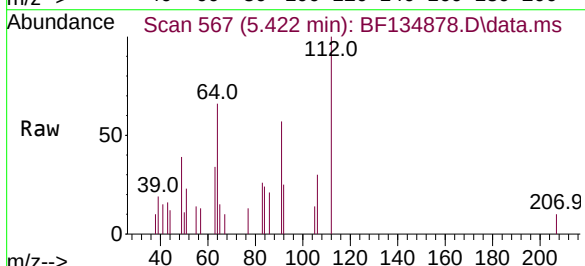
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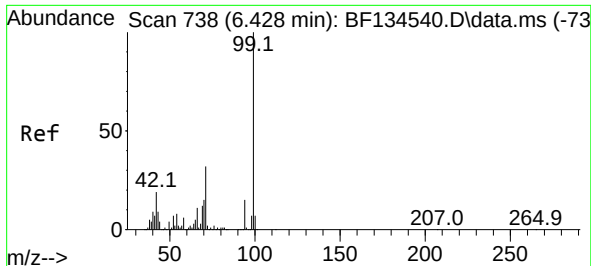
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#5
2-Fluorophenol
Concen: 0.204 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

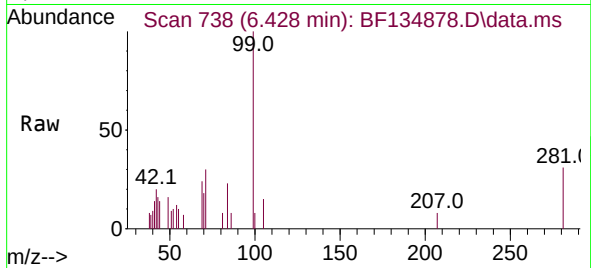
Tgt Ion:112 Resp: 2112
Ion Ratio Lower Upper
112 100
64 66.1 44.9 67.3
63 33.7 25.4 38.0





#7
Phenol-d6
Concen: 0.220 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

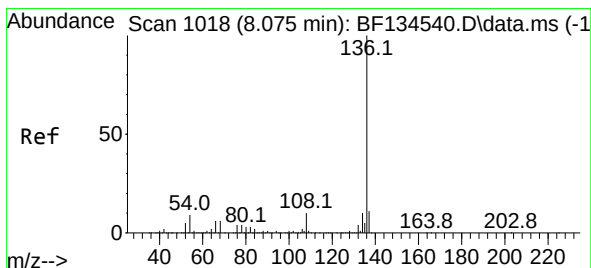
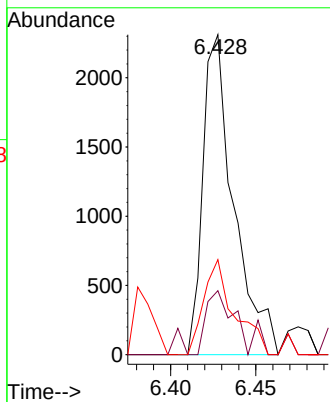
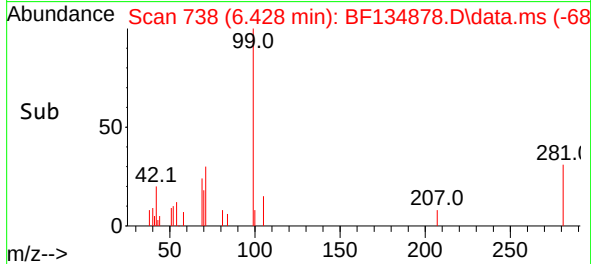
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion: 99 Resp: 2912
Ion Ratio Lower Upper
99 100
42 20.0 18.7 28.1
71 29.7 36.4 54.6

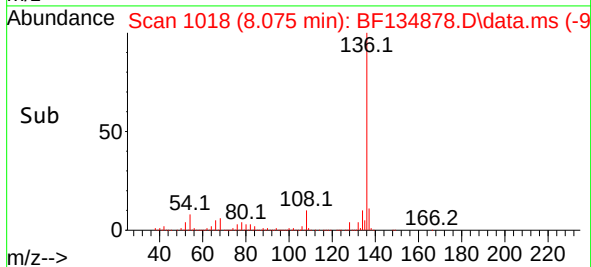
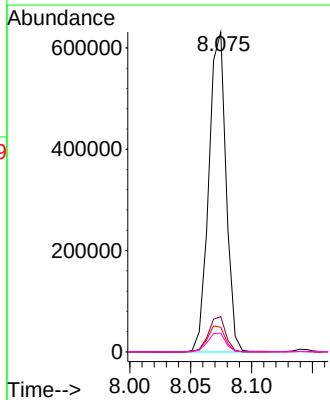
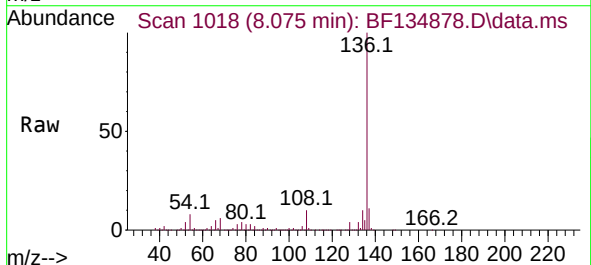
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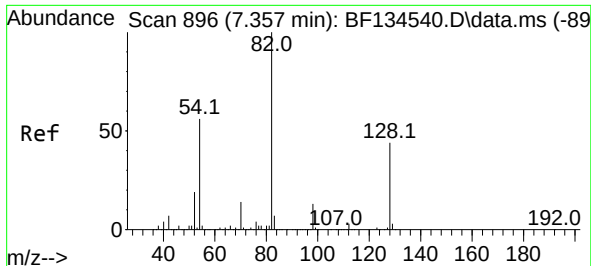
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

Tgt Ion:136 Resp: 621900
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.7 5.2 7.8
68 5.9 2.9 4.3





#23

Nitrobenzene-d5

Concen: 0.294 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134878.D

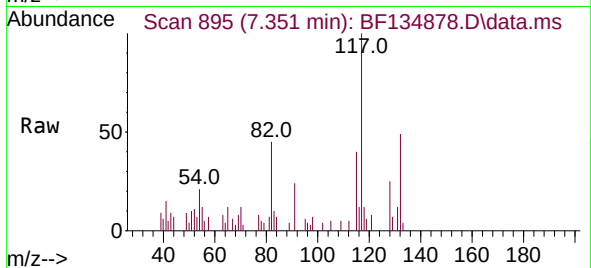
Acq: 21 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z83-84DL



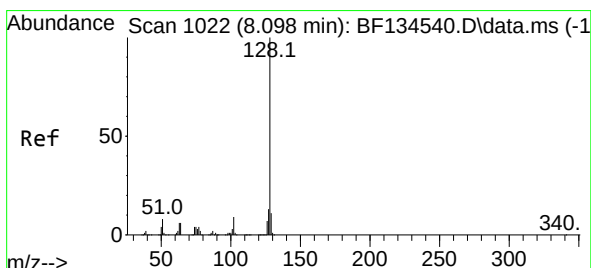
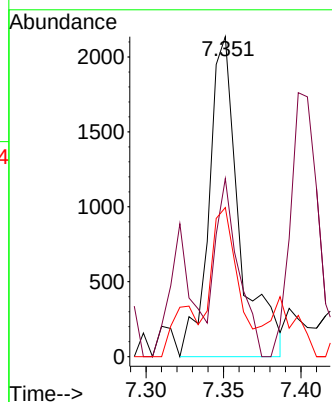
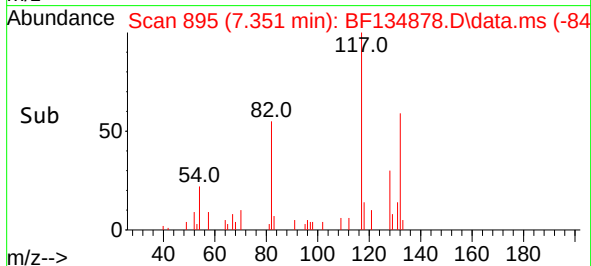
Tgt Ion:	82	Resp:	2929
Ion Ratio	Lower	Upper	
82	100		
128	55.6	34.3	51.5
54	46.6	43.8	65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/22/2023



#31

Naphthalene

Concen: 76.589 ng

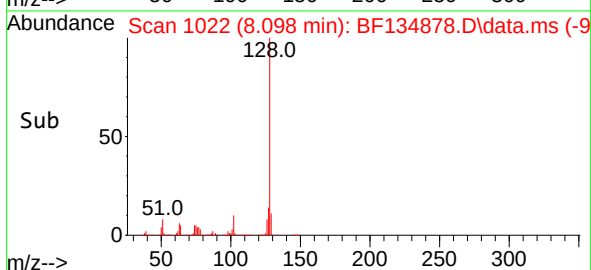
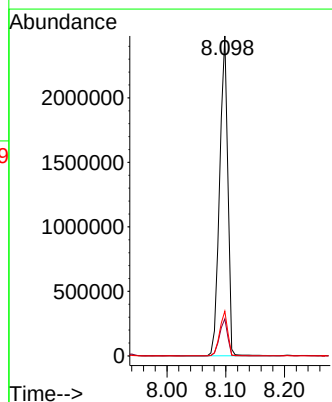
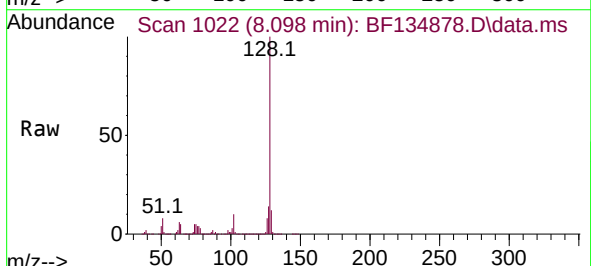
RT: 8.098 min Scan# 1022

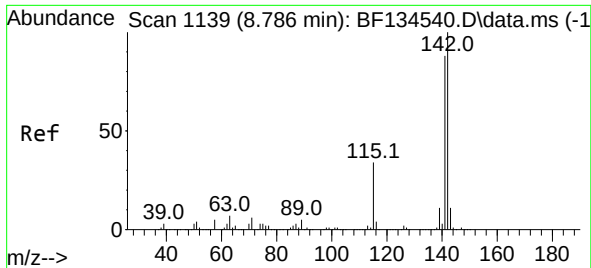
Delta R.T. -0.006 min

Lab File: BF134878.D

Acq: 21 Aug 2023 20:54

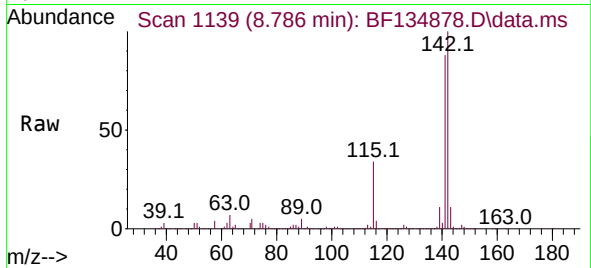
Tgt Ion:	128	Resp:	2393823
Ion Ratio	Lower	Upper	
128	100		
129	11.6	8.4	12.6
127	14.0	10.7	16.1





#37
2-Methylnaphthalene
Concen: 35.808 ng
RT: 8.786 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

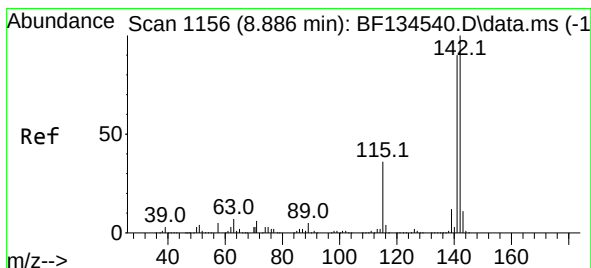
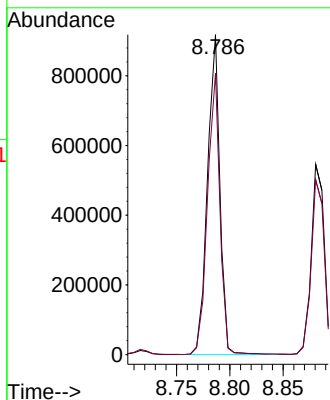
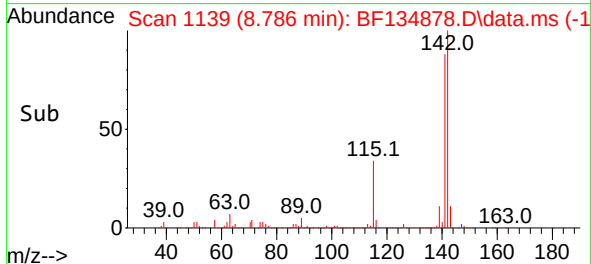
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



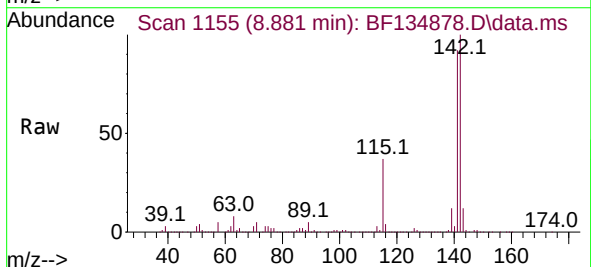
Tgt Ion:142 Resp: 741852
Ion Ratio Lower Upper
142 100
141 87.9 70.8 106.2

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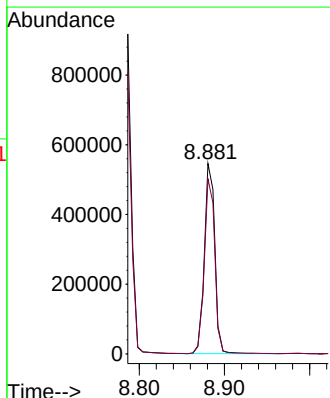
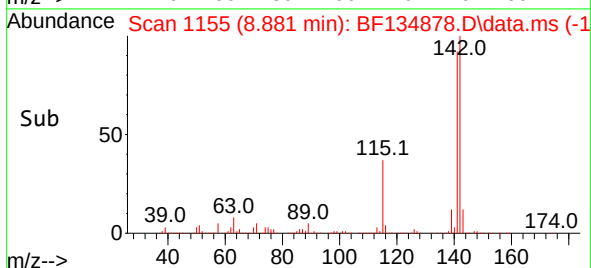
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

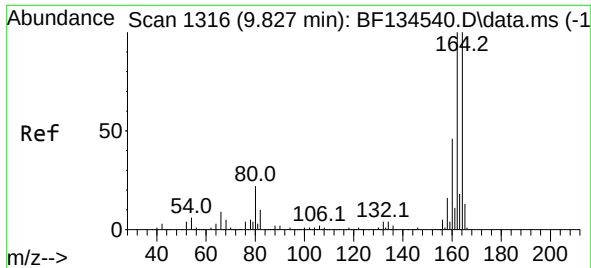


#38
1-Methylnaphthalene
Concen: 24.154 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54



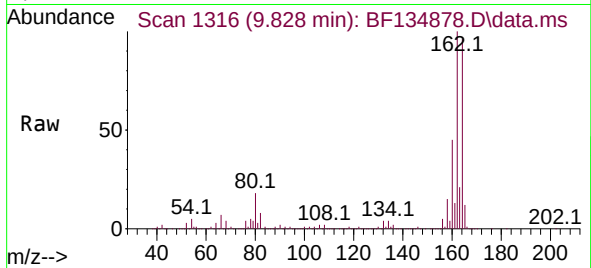
Tgt Ion:142 Resp: 465330
Ion Ratio Lower Upper
142 100
141 92.0 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

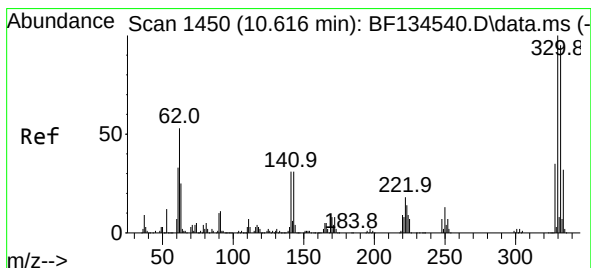
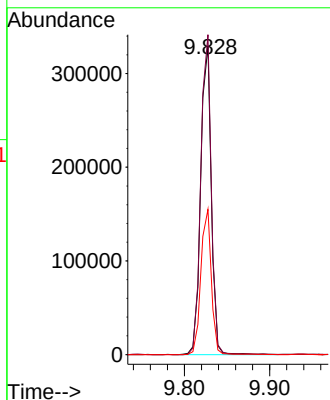
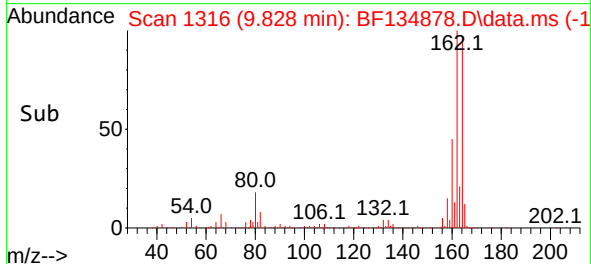
Instrument :
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ClientSampleId :
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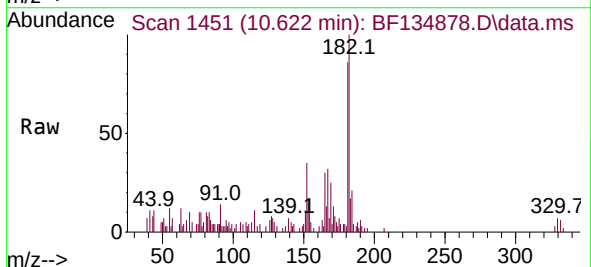
Tgt Ion:164 Resp: 284154
Ion Ratio Lower Upper
164 100
162 103.7 82.6 123.8
160 47.1 37.2 55.8

Manual Integrations
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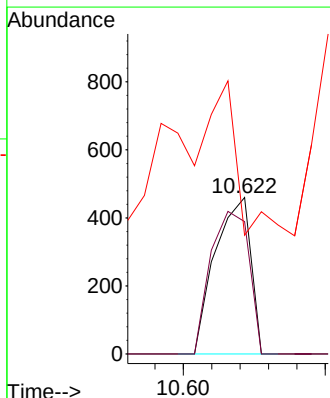
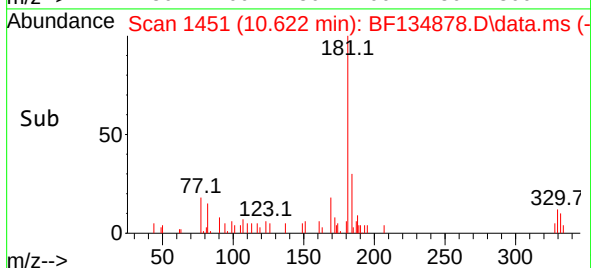
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

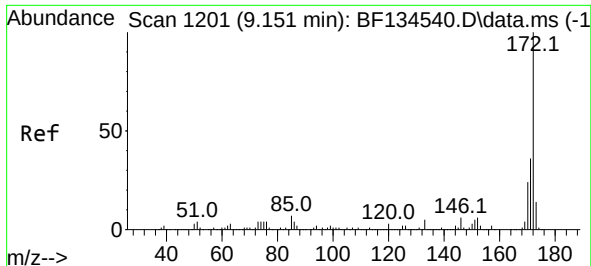


#42
2,4,6-Tribromophenol
Concen: 0.138 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54



Tgt Ion:330 Resp: 400
Ion Ratio Lower Upper
330 100
332 98.3 78.8 118.2
141 140.3 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.324 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF134878.D

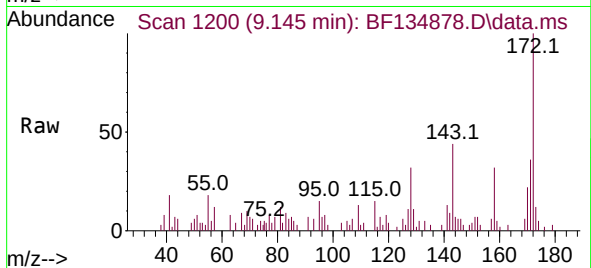
Acq: 21 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z83-84DL



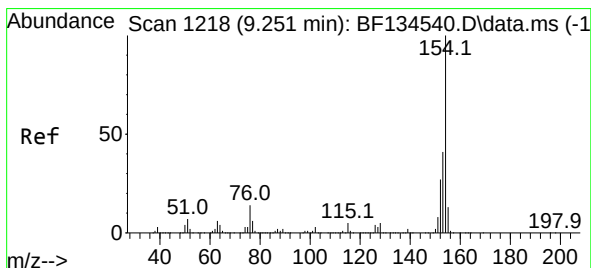
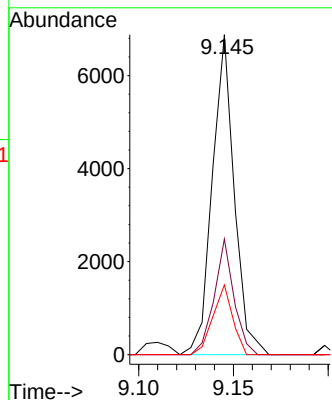
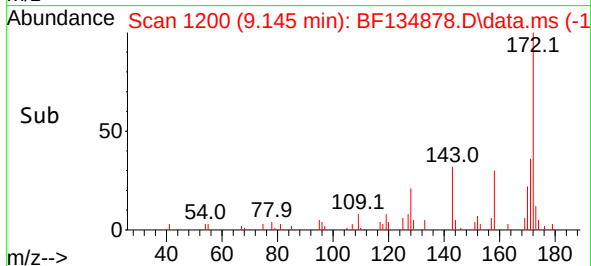
Tgt Ion:	172	Resp:	5539
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.8	43.2
170	21.8	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 08/22/2023



#46

1,1'-Biphenyl

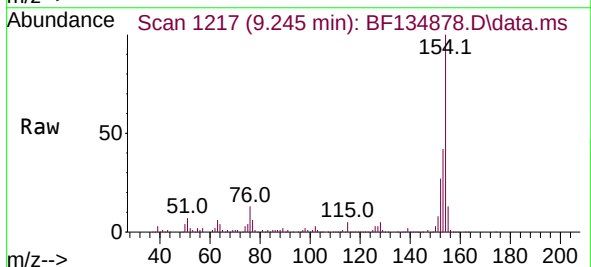
Concen: 4.811 ng

RT: 9.245 min Scan# 1217

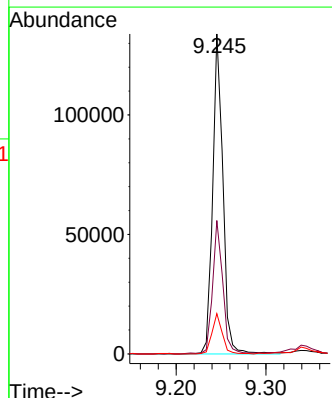
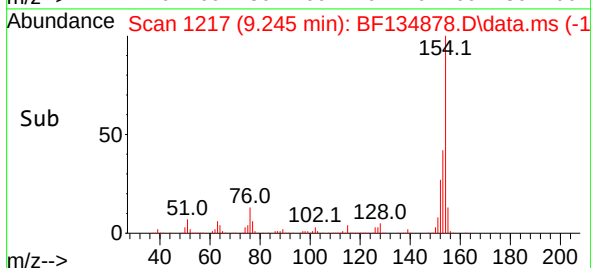
Delta R.T. -0.018 min

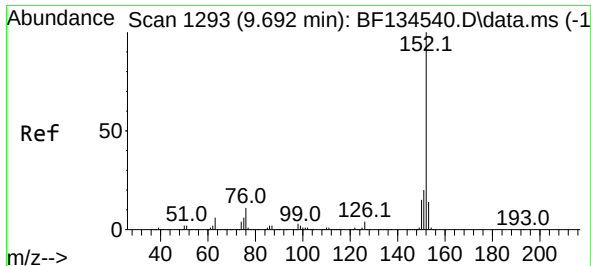
Lab File: BF134878.D

Acq: 21 Aug 2023 20:54



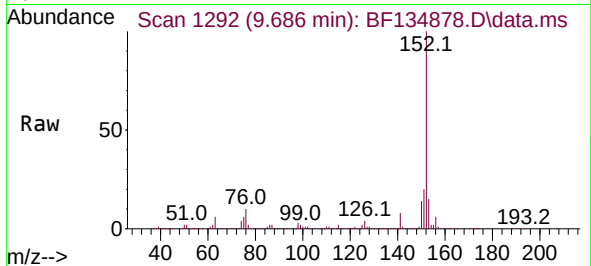
Tgt Ion:	154	Resp:	106301
Ion Ratio	Lower	Upper	
154	100		
153	41.7	20.8	60.8
76	12.6	0.0	30.2





#49
Acenaphthylene
Concen: 17.204 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

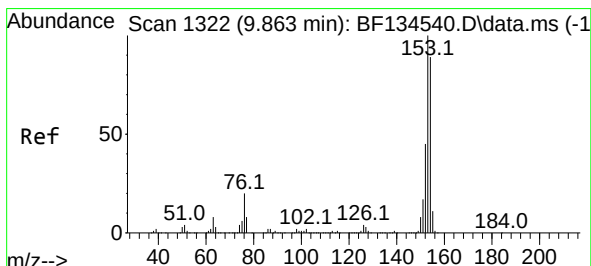
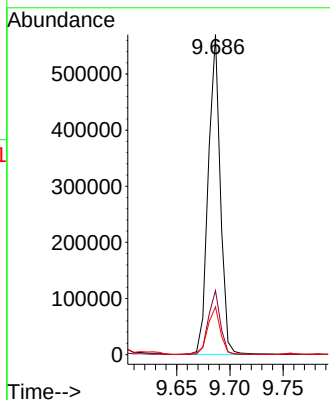
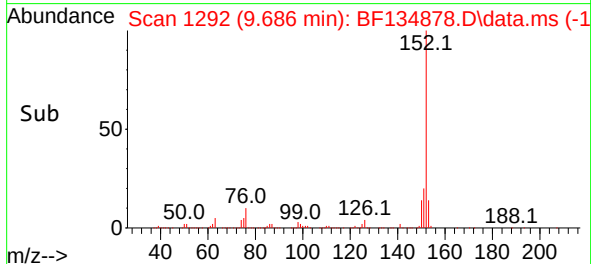
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion:152 Resp: 44775
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 14.9 10.9 16.3

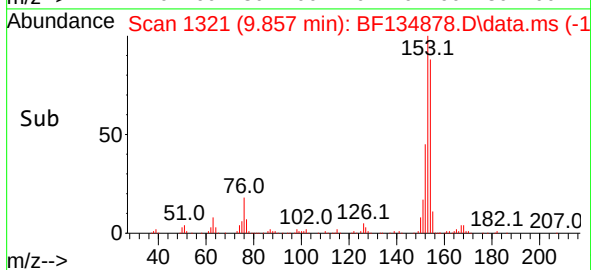
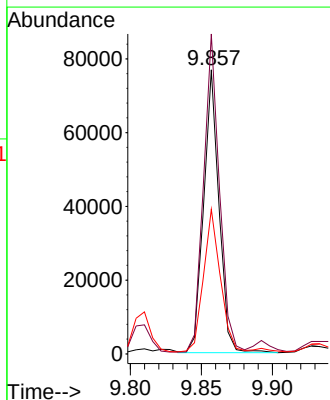
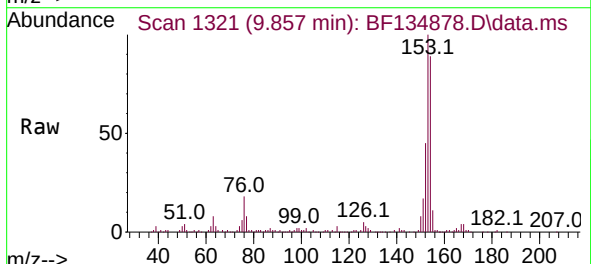
Manual Integrations
APPROVED

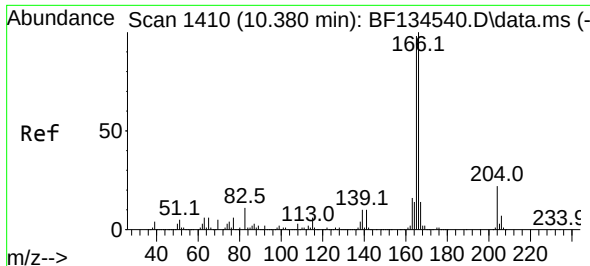
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#52
Acenaphthene
Concen: 3.401 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.018 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

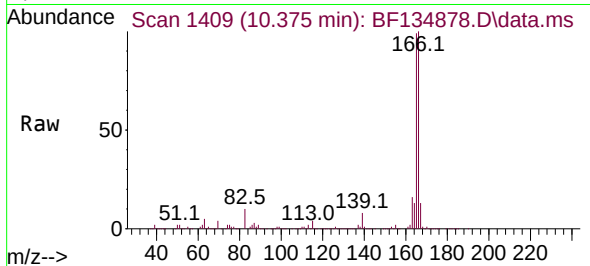
Tgt Ion:154 Resp: 57367
Ion Ratio Lower Upper
154 100
153 112.6 90.0 135.0
152 50.9 42.4 63.6





#58
Fluorene
Concen: 10.289 ng
RT: 10.375 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

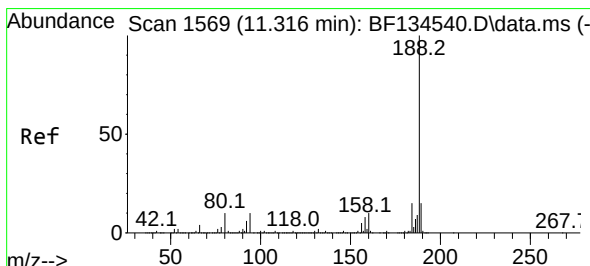
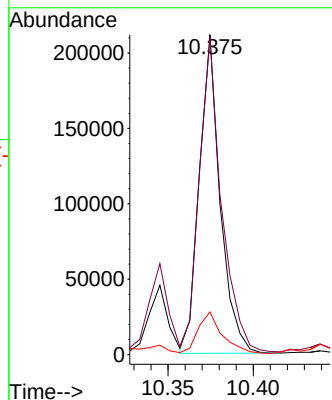
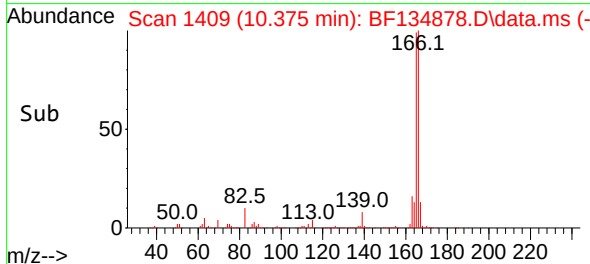
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion:166 Resp: 179928
Ion Ratio Lower Upper
166 100
165 99.3 74.5 111.7
167 13.4 10.6 16.0

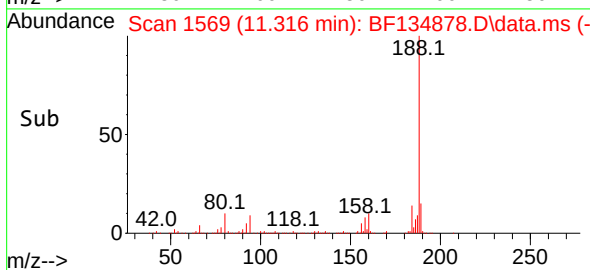
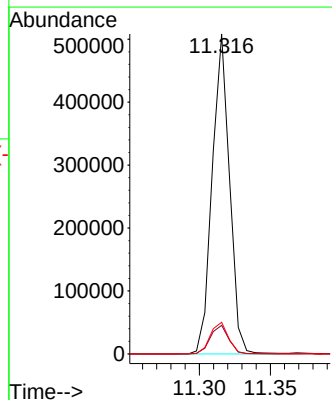
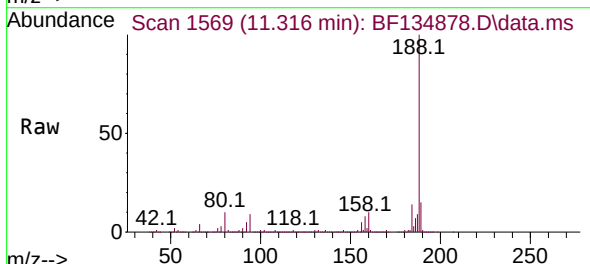
Manual Integrations
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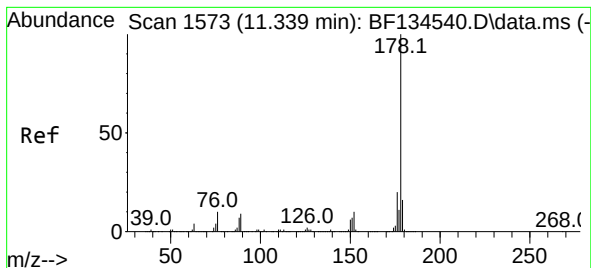
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

Tgt Ion:188 Resp: 431273
Ion Ratio Lower Upper
188 100
94 8.9 5.1 7.7#
80 9.9 6.6 9.8#





#71

Phenanthrene

Concen: 27.658 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF134878.D

Acq: 21 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB05-Z83-84DL

Tgt Ion:178 Resp: 633572

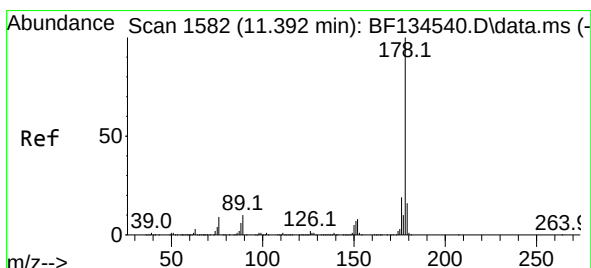
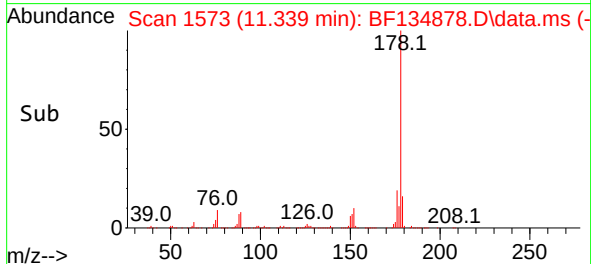
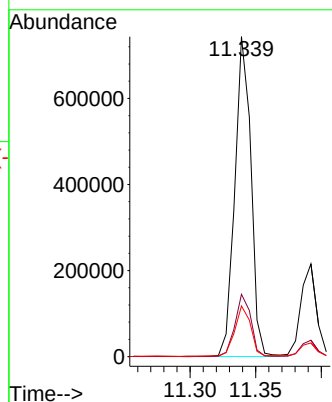
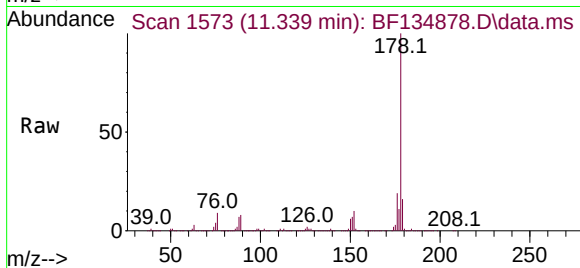
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	15.8	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#72

Anthracene

Concen: 7.391 ng

RT: 11.392 min Scan# 1582

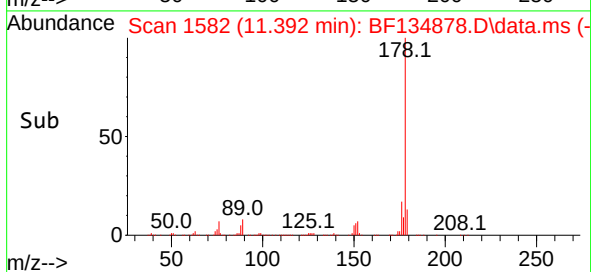
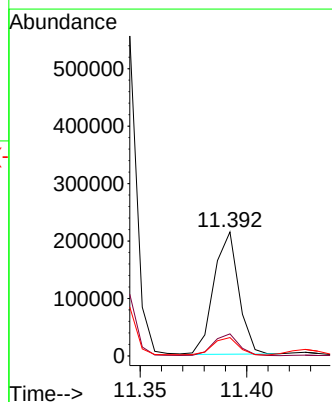
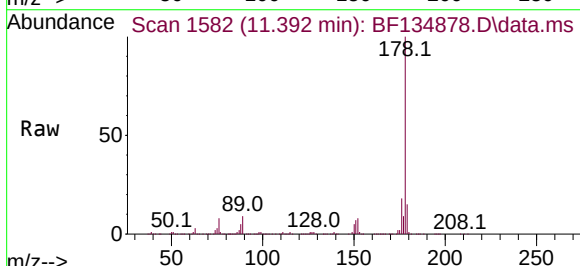
Delta R.T. -0.012 min

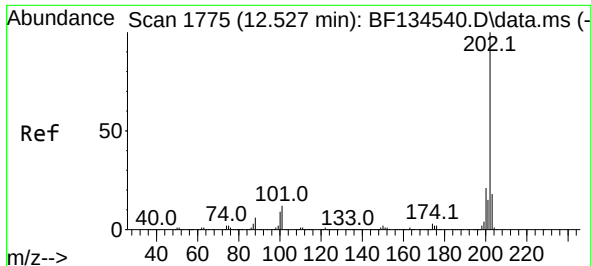
Lab File: BF134878.D

Acq: 21 Aug 2023 20:54

Tgt Ion:178 Resp: 172947

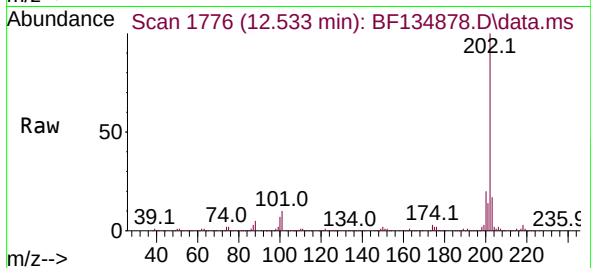
Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	21.8
179	14.8	12.3	18.5





#75
Fluoranthene
Concen: 8.978 ng
RT: 12.533 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

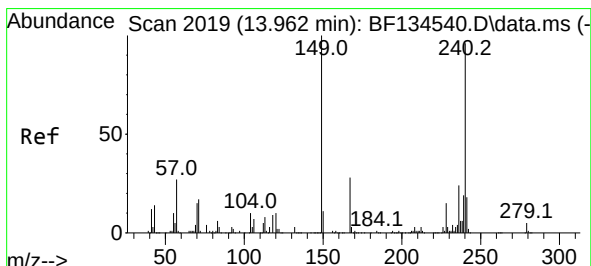
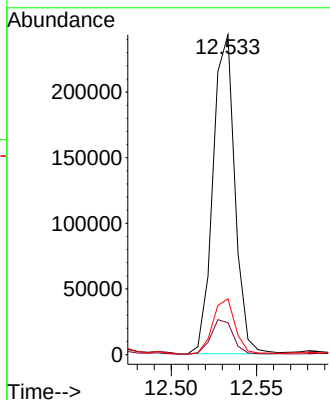
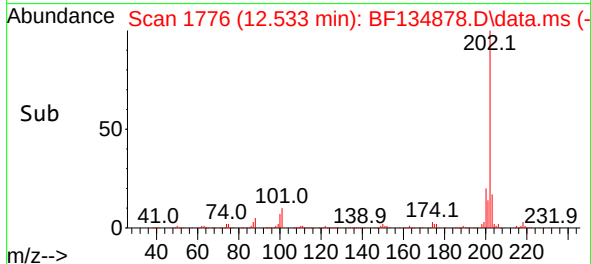
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion:202 Resp: 217237
Ion Ratio Lower Upper
202 100
101 10.0 0.0 28.5
203 17.4 0.0 37.5

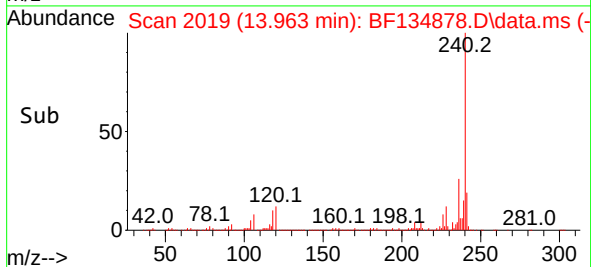
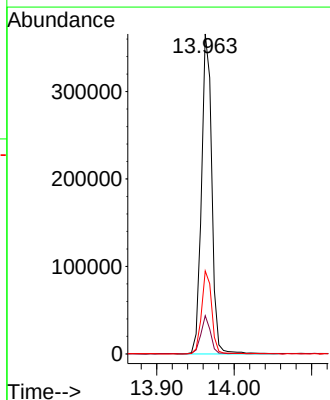
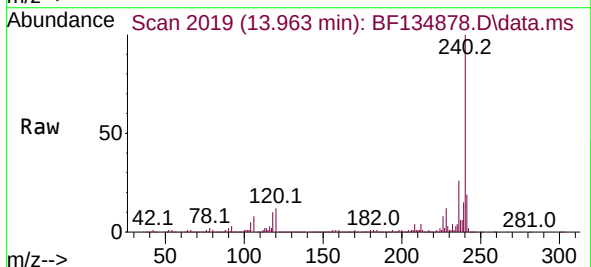
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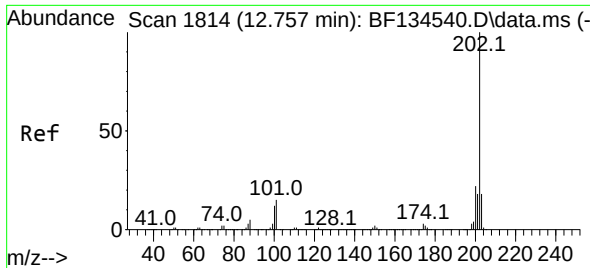
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

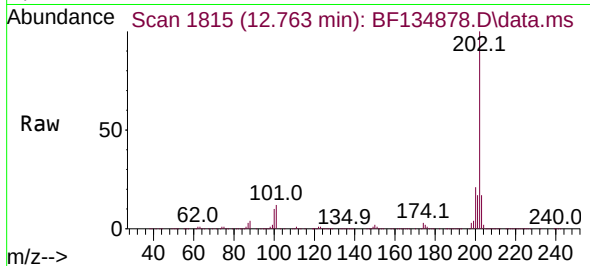
Tgt Ion:240 Resp: 337570
Ion Ratio Lower Upper
240 100
120 11.9 6.6 10.0#
236 25.9 20.2 30.2





#78
Pyrene
Concen: 11.273 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

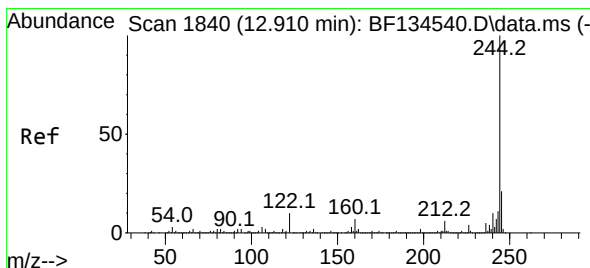
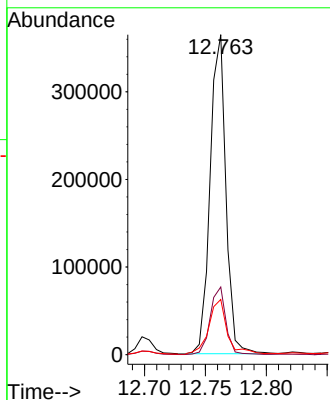
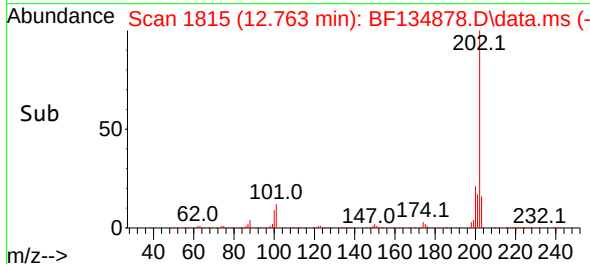
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



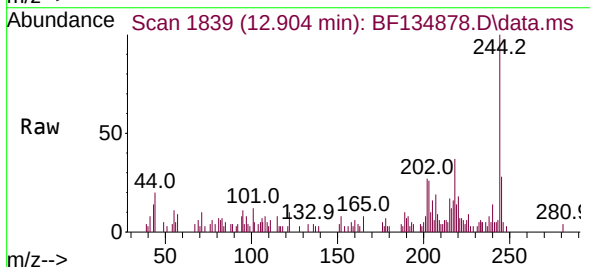
Tgt Ion:202 Resp: 329291
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.8
203 17.2 13.5 20.3

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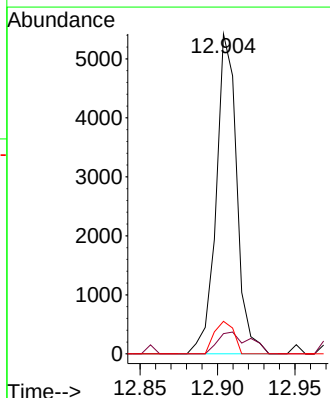
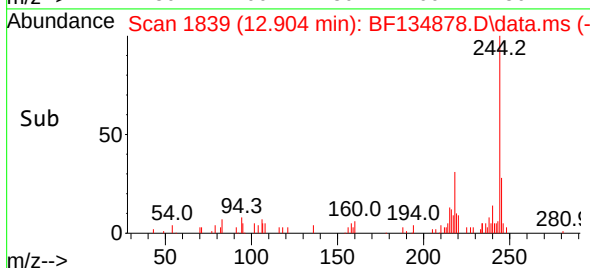
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

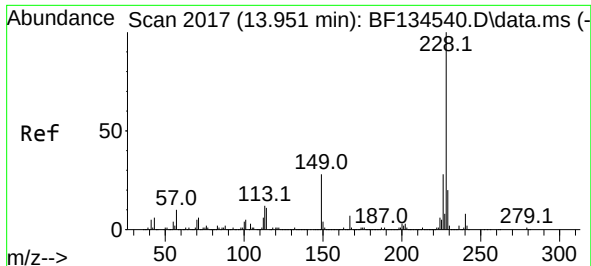


#79
Terphenyl-d14
Concen: 0.262 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.018 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54



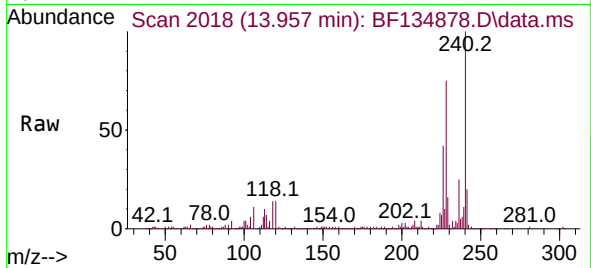
Tgt Ion:244 Resp: 5014
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 10.2 8.0 12.0





#81
Benzo(a)anthracene
Concen: 4.595 ng m
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

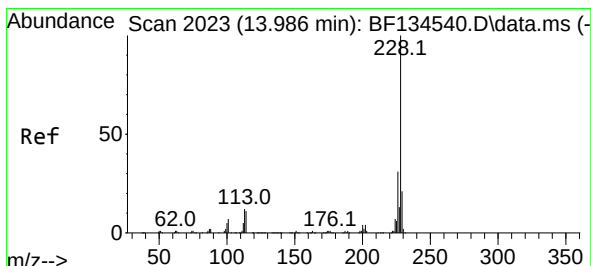
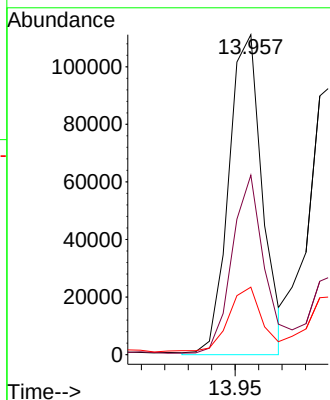
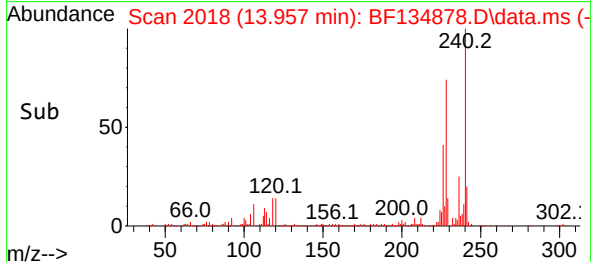
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion:228 Resp: 110925
Ion Ratio Lower Upper
228 100
226 56.1 22.3 33.5
229 21.1 15.8 23.6

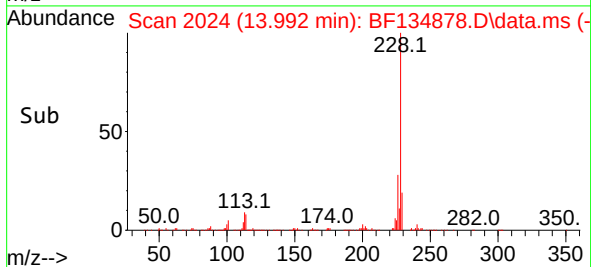
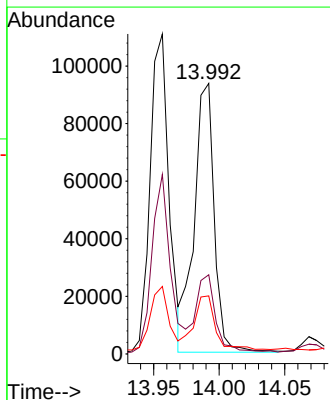
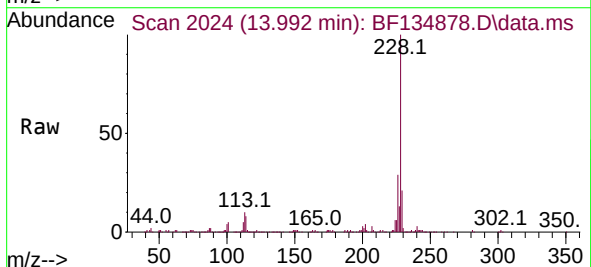
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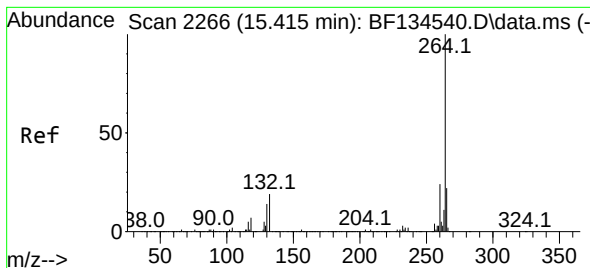
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#83
Chrysene
Concen: 4.228 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

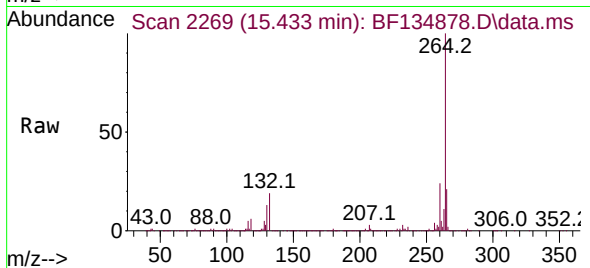
Tgt Ion:228 Resp: 99420
Ion Ratio Lower Upper
228 100
226 29.2 24.5 36.7
229 21.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

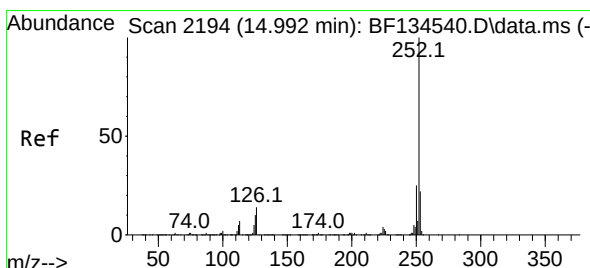
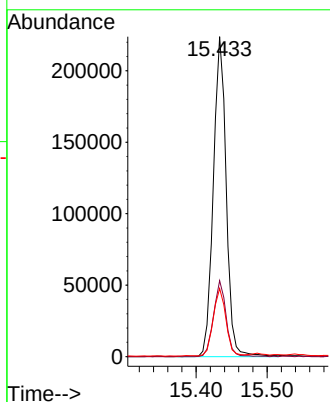
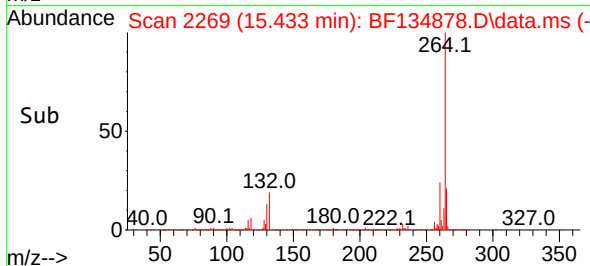
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



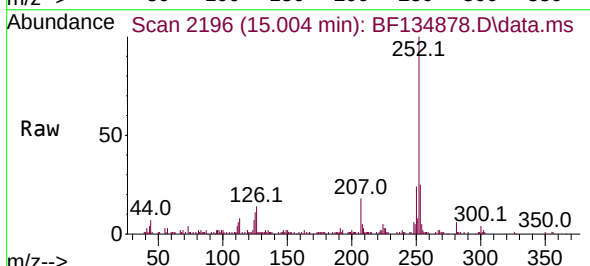
Tgt Ion:264 Resp: 282272
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 21.3 15.8 23.8

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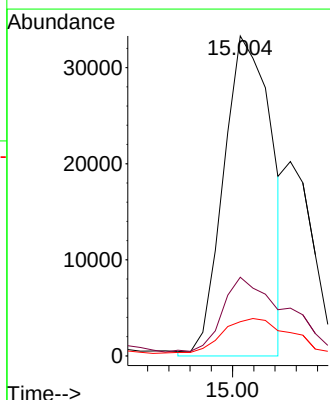
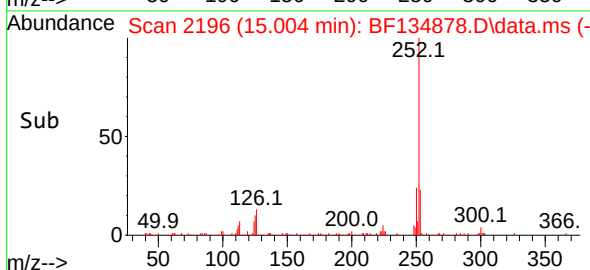
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

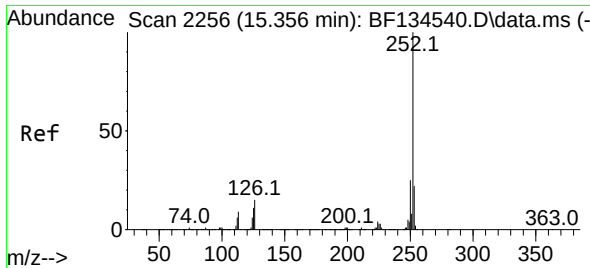


#88
Benzo(b)fluoranthene
Concen: 3.034 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54



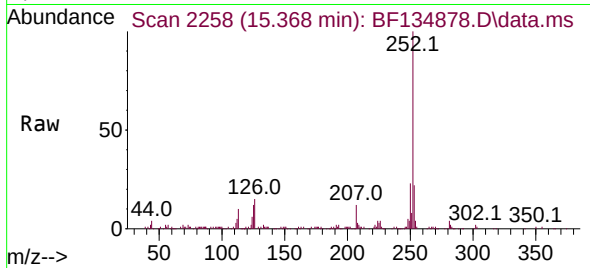
Tgt Ion:252 Resp: 52240
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 10.7 6.0 9.0#





#90
Benzo(a)pyrene
Concen: 3.812 ng
RT: 15.368 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF134878.D
Acq: 21 Aug 2023 20:54

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB05-Z83-84DL



Tgt Ion:252 Resp: 61195
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.4
125 11.8 6.2 9.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

