

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134713.D
 Acq On : 10 Aug 2023 17:22
 Operator : CG\JU
 Sample : 03945-02DL 100X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB01-Z78-80DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

Quant Time: Aug 11 03:55:52 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	6.798	152	151824	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593734	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	286482	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	473957	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	313777	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	287059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	5390	0.540	ng	0.00
7) Phenol-d6	6.428	99	5499	0.431	ng	-0.01
23) Nitrobenzene-d5	7.357	82	5088	0.536	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	1384	0.474	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	14350	0.833	ng	-0.01
79) Terphenyl-d14	12.916	244	14153	0.795	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	2006987	67.258	ng	99
37) 2-Methylnaphthalene	8.792	142	413167	20.889	ng	98
38) 1-Methylnaphthalene	8.892	142	357049	19.413	ng	99
46) 1,1'-Biphenyl	9.251	154	72362	3.248	ng	94
52) Acenaphthene	9.863	154	230938	13.581	ng	97
58) Fluorene	10.380	166	90368	5.125	ng	99
71) Phenanthrene	11.345	178	557581	22.148	ng	98
72) Anthracene	11.398	178	156267	6.077	ng	100
75) Fluoranthene	12.539	202	209610	7.882	ng	97
78) Pyrene	12.769	202	287111	10.574	ng	98
81) Benzo(a)anthracene	13.957	228	108038m	4.815	ng	
83) Chrysene	13.998	228	96918	4.434	ng	99
88) Benzo(b)fluoranthene	15.015	252	53187m	3.038	ng	
90) Benzo(a)pyrene	15.374	252	56871	3.484	ng	# 94

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

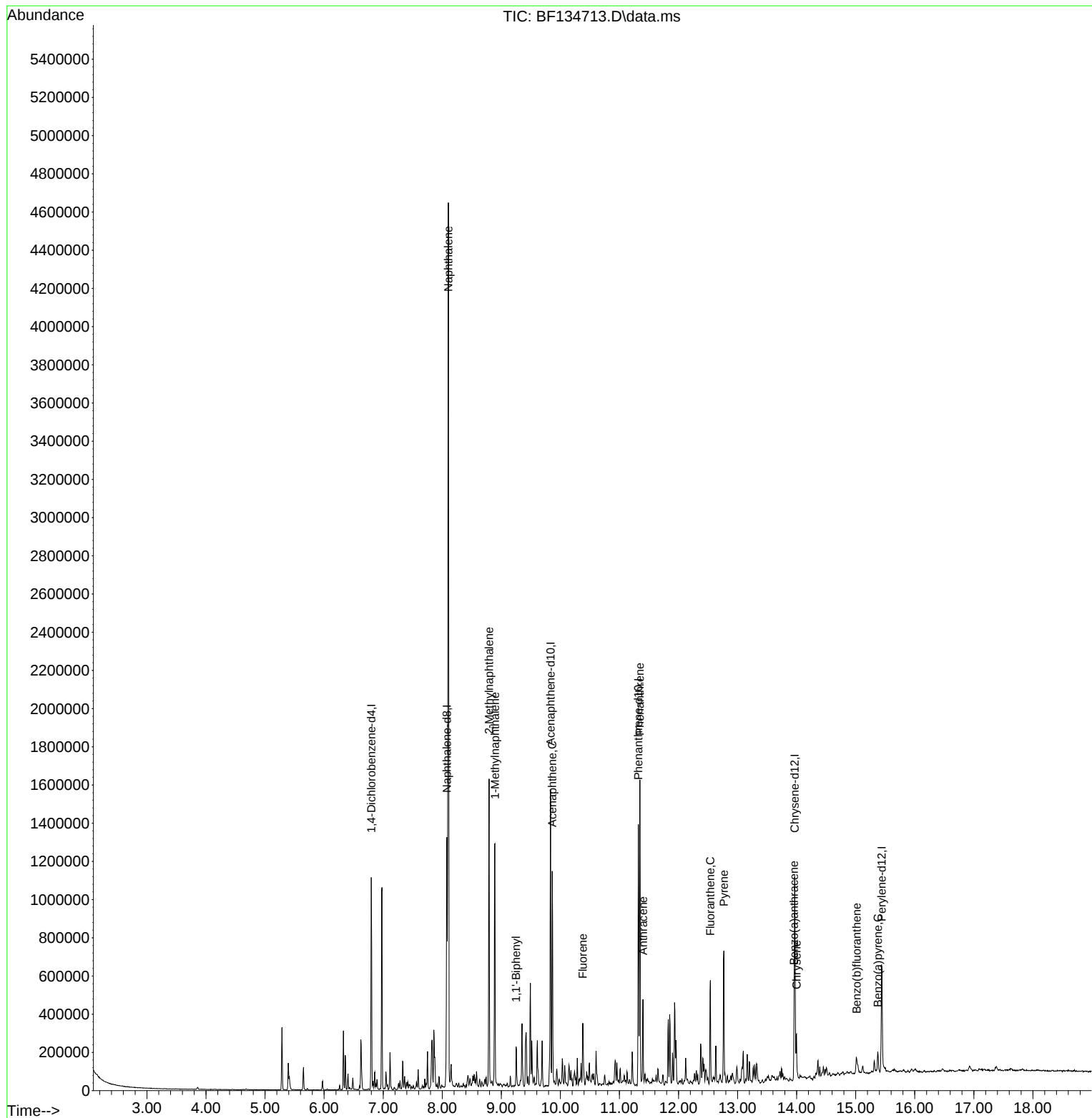
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
Data File : BF134713.D
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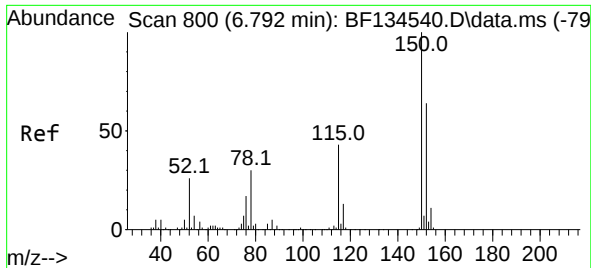
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NEVINS-SB01-Z78-80DL

Quant Time: Aug 11 03:55:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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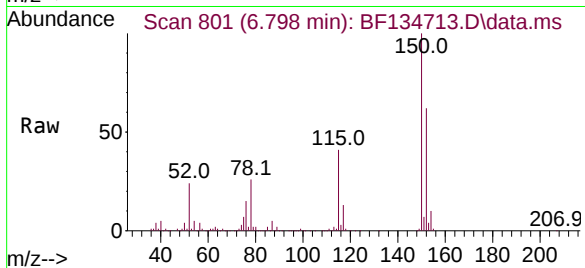
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

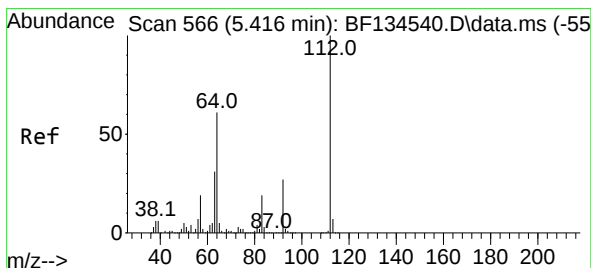
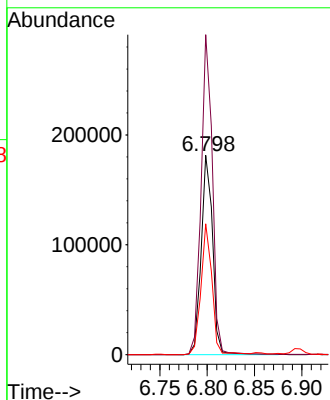
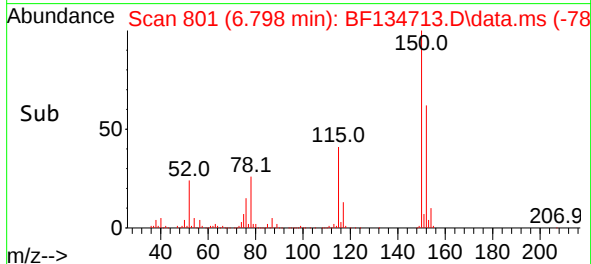
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80DL



Tgt Ion:152 Resp: 151824
Ion Ratio Lower Upper
152 100
150 160.6 128.3 192.5
115 65.6 52.4 78.6

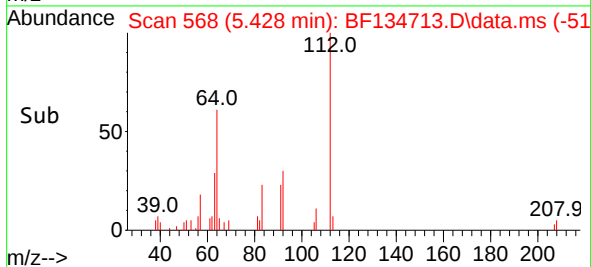
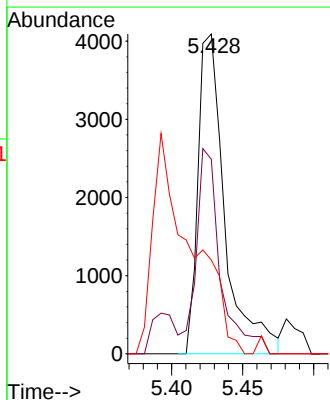
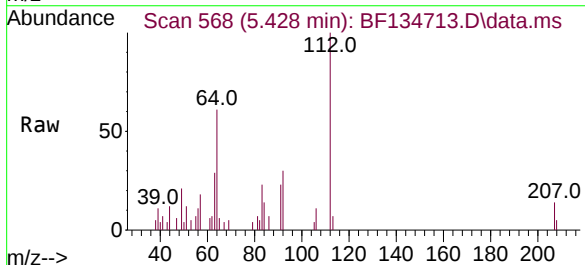
Manual Integrations
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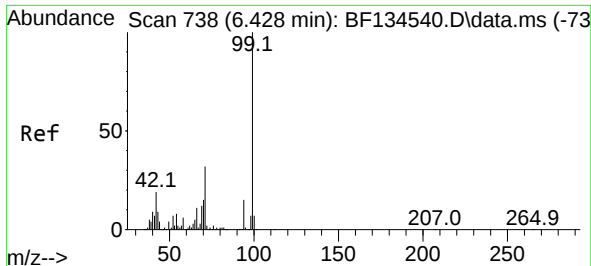
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 0.540 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

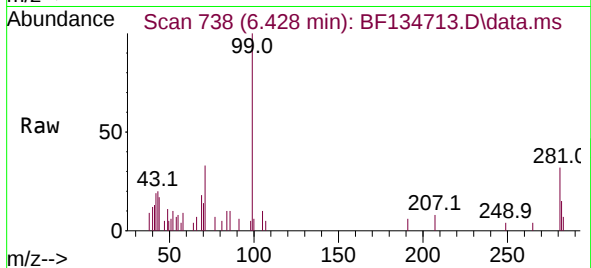
Tgt Ion:112 Resp: 5390
Ion Ratio Lower Upper
112 100
64 60.8 44.9 67.3
63 29.3 25.4 38.0





#7
Phenol-d6
Concen: 0.431 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

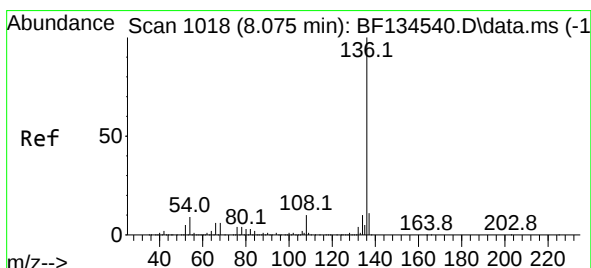
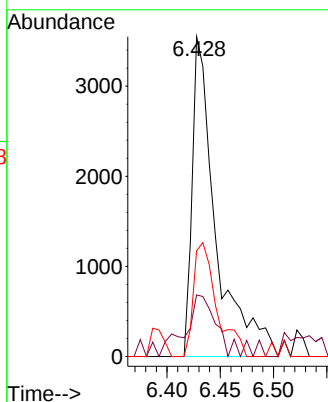
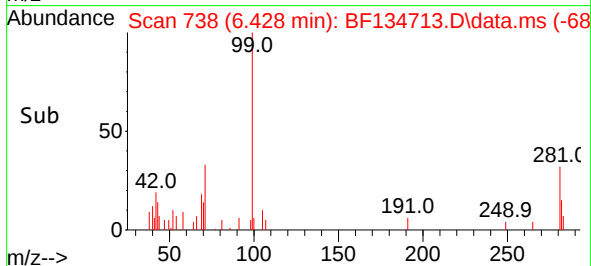
Instrument :
BNA_F
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NEVINS-SB01-Z78-80DL



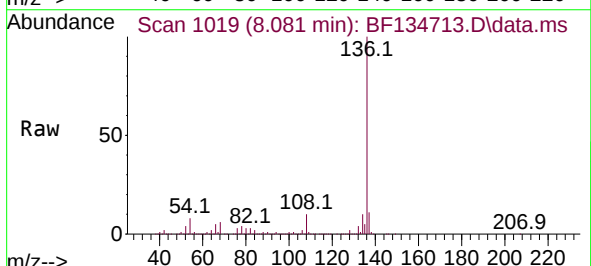
Tgt Ion: 99 Resp: 5499
Ion Ratio Lower Upper
99 100
42 19.3 18.7 28.1
71 33.1 36.4 54.6

Manual Integrations
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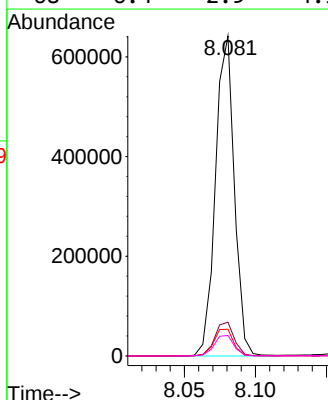
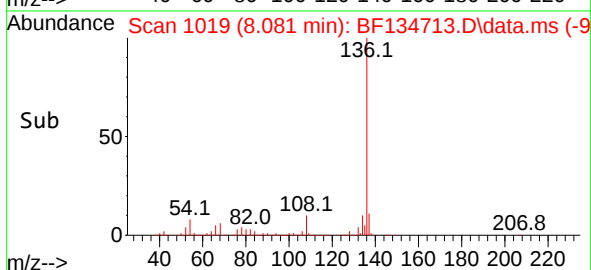
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

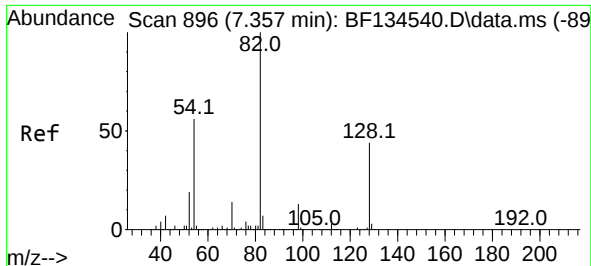


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22



Tgt Ion:136 Resp: 593734
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 8.3 5.2 7.8#
68 6.4 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.536 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134713.D

Acq: 10 Aug 2023 17:22

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB01-Z78-80DL

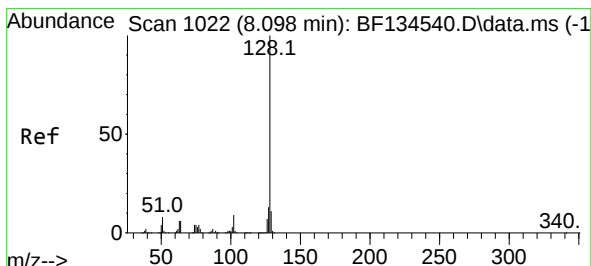
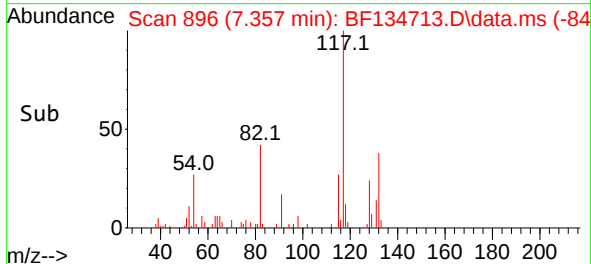
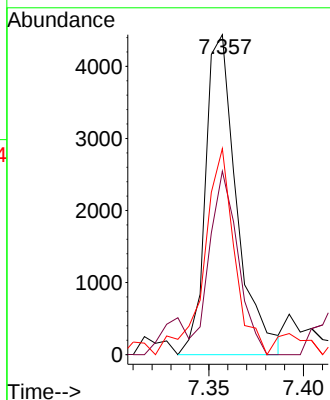
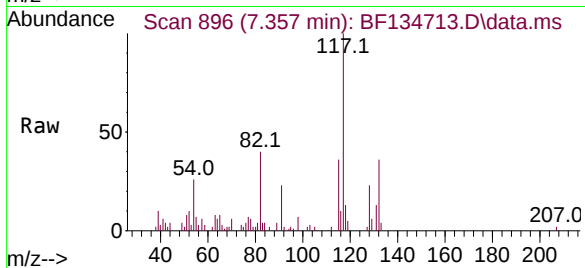
Tgt Ion:	82	Resp:	5088
Ion Ratio	Lower	Upper	
82	100		
128	57.3	34.3	51.5
54	64.4	43.8	65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#31

Naphthalene

Concen: 67.258 ng

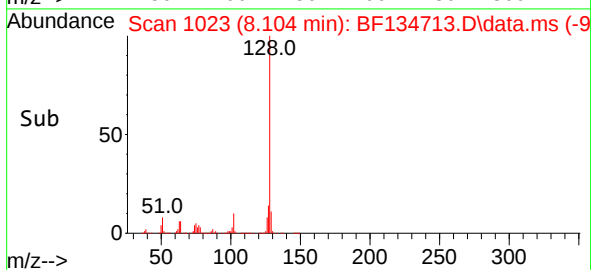
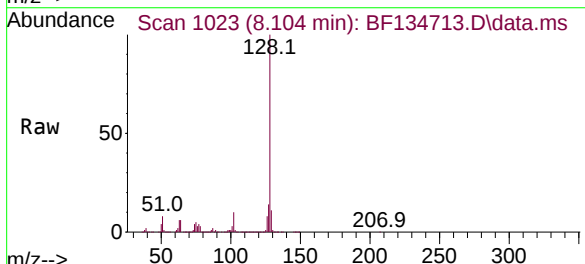
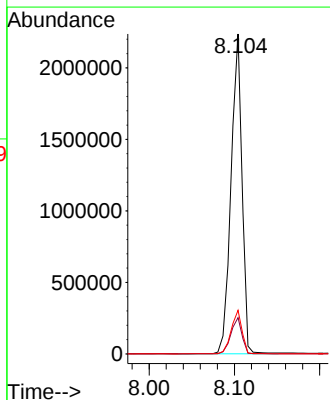
RT: 8.104 min Scan# 1023

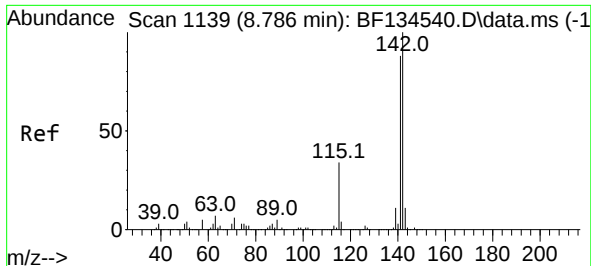
Delta R.T. 0.000 min

Lab File: BF134713.D

Acq: 10 Aug 2023 17:22

Tgt Ion:	128	Resp:	2006987
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.4	12.6
127	13.6	10.7	16.1





#37

2-Methylnaphthalene

Concen: 20.889 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134713.D

Acq: 10 Aug 2023 17:22

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB01-Z78-80DL

Tgt Ion:142 Resp: 41316

Ion Ratio Lower Upper

142 100

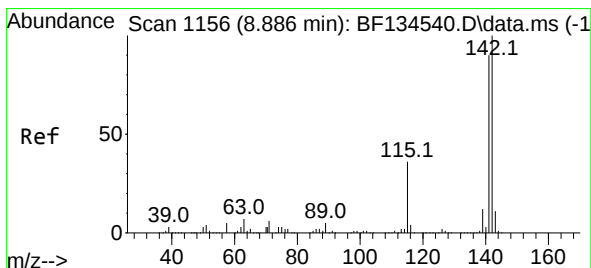
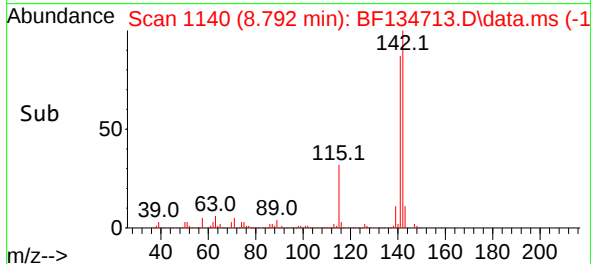
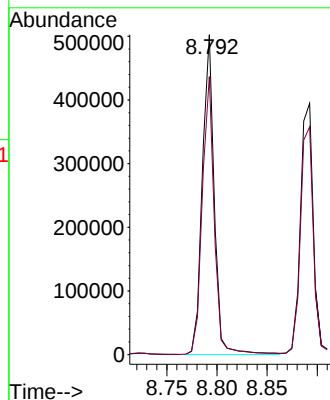
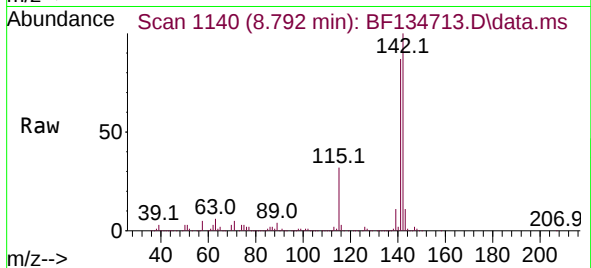
141 86.9 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#38

1-Methylnaphthalene

Concen: 19.413 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134713.D

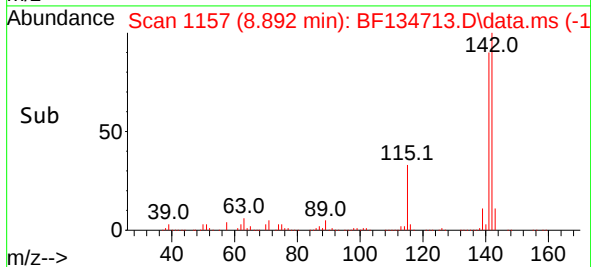
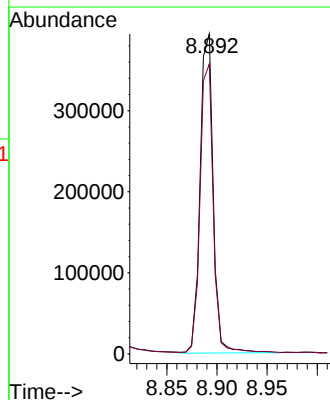
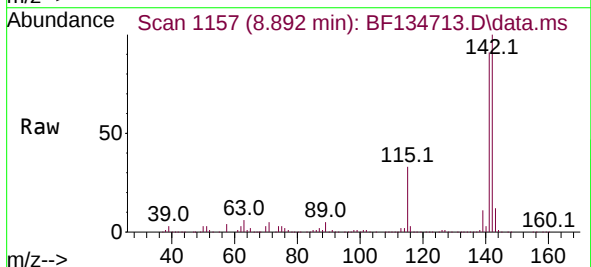
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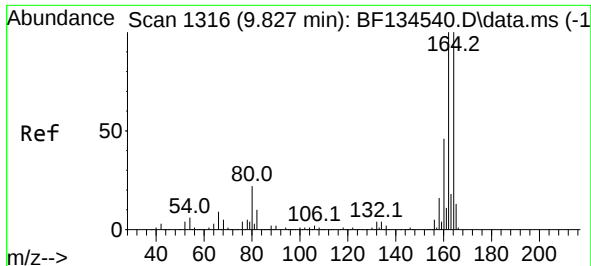
Tgt Ion:142 Resp: 357049

Ion Ratio Lower Upper

142 100

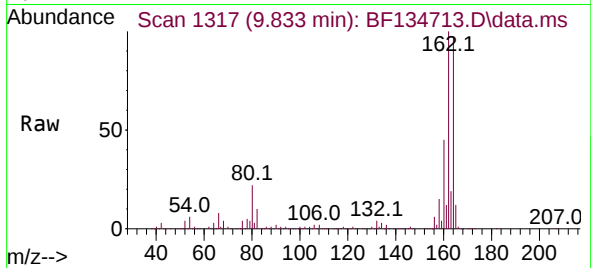
141 90.6 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

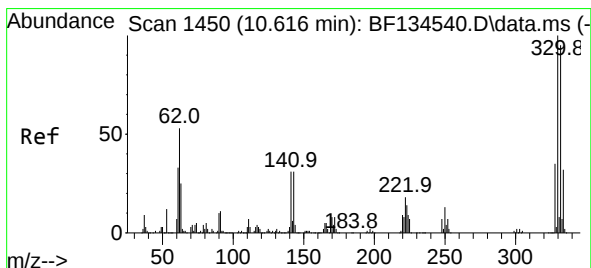
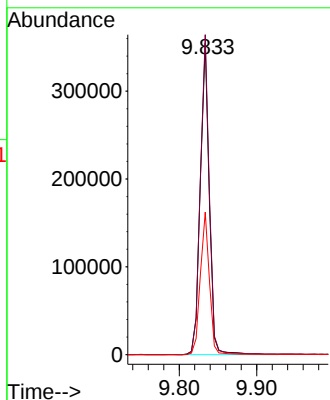
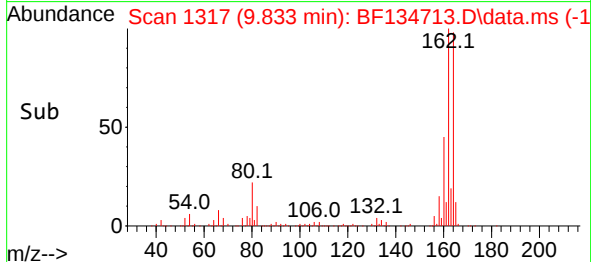
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80DL



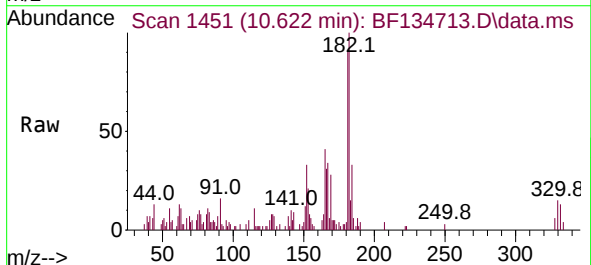
Tgt Ion:164 Resp: 286482
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 45.7 37.2 55.8

Manual Integrations
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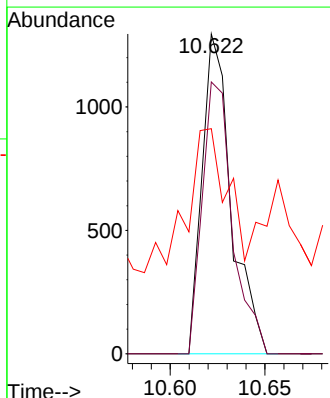
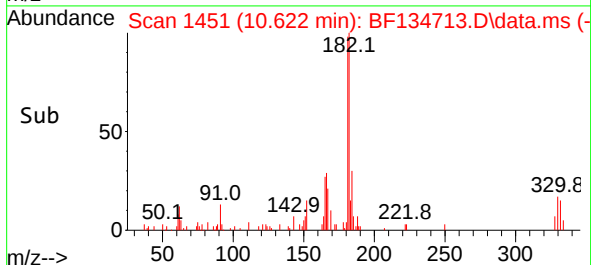
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

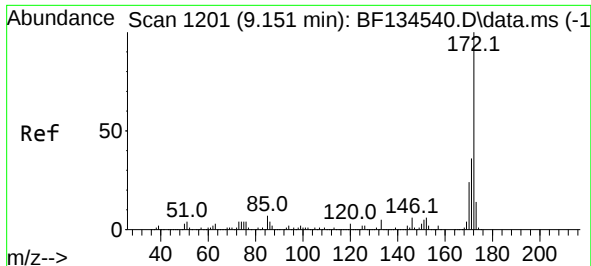


#42
2,4,6-Tribromophenol
Concen: 0.474 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22



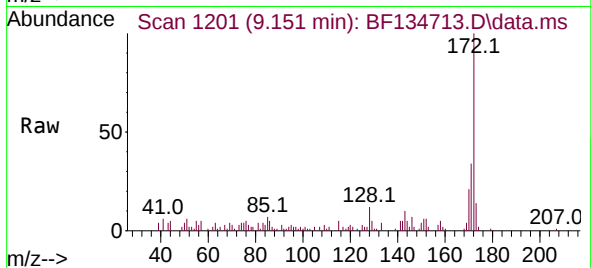
Tgt Ion:330 Resp: 1384
Ion Ratio Lower Upper
330 100
332 88.3 78.8 118.2
141 62.2 25.4 38.2#





#45
2-Fluorobiphenyl
Concen: 0.833 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

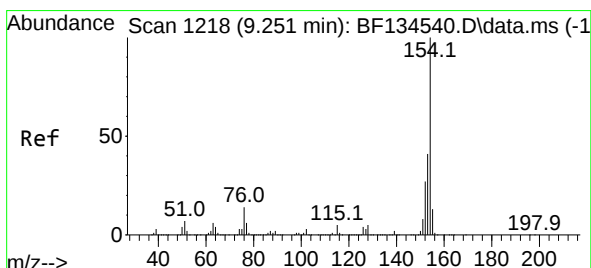
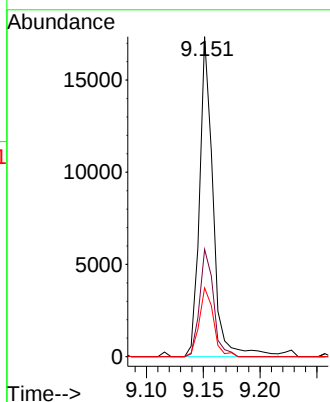
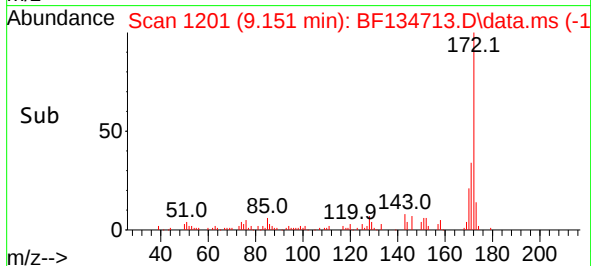
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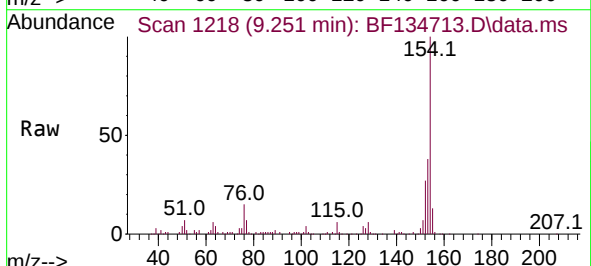
Tgt Ion:172 Resp: 14350
Ion Ratio Lower Upper
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171 33.5 28.8 43.2
170 21.5 18.7 28.1

Manual Integrations
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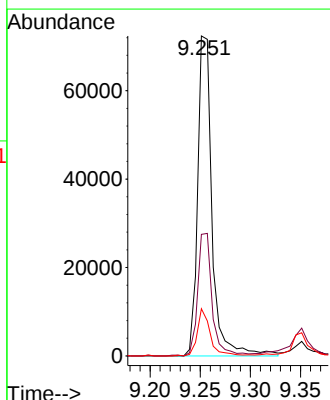
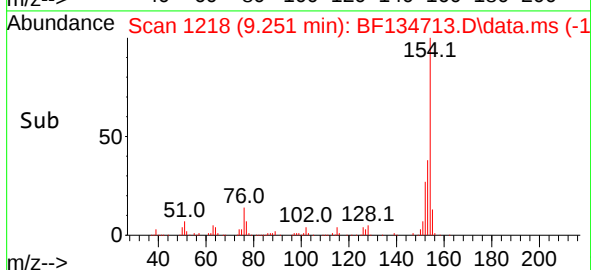
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

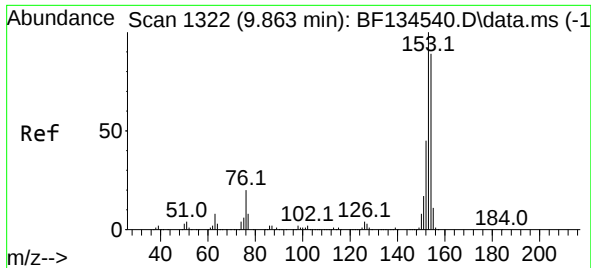


#46
1,1'-Biphenyl
Concen: 3.248 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22



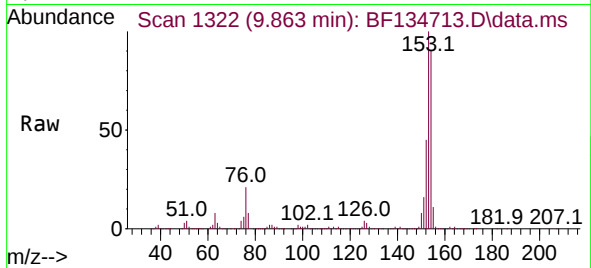
Tgt Ion:154 Resp: 72362
Ion Ratio Lower Upper
154 100
153 38.0 20.8 60.8
76 14.7 0.0 30.2





#52
Acenaphthene
Concen: 13.581 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

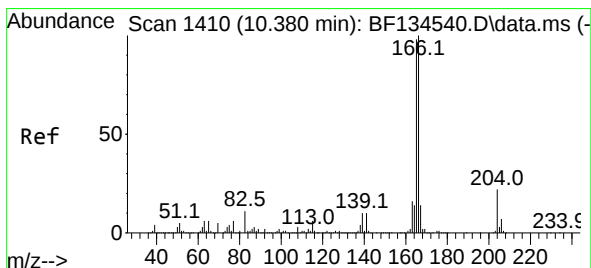
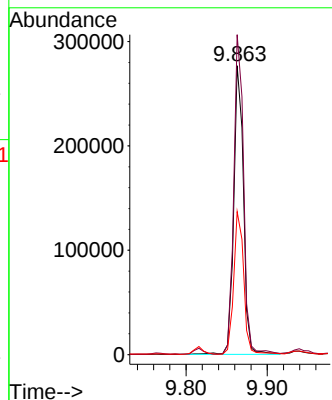
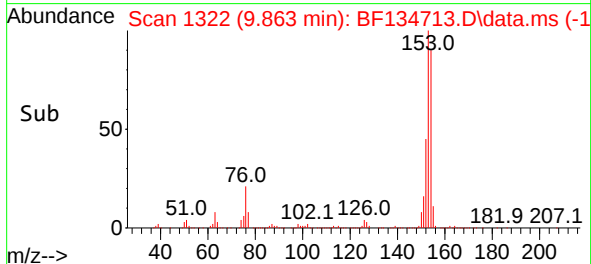
Instrument :
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NEVINS-SB01-Z78-80DL



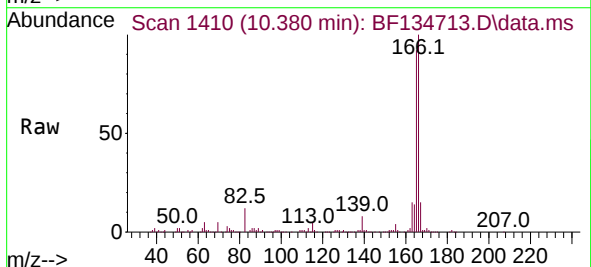
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Ion Ratio Lower Upper
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153 110.8 90.0 135.0
152 49.5 42.4 63.6

Manual Integrations
APPROVED

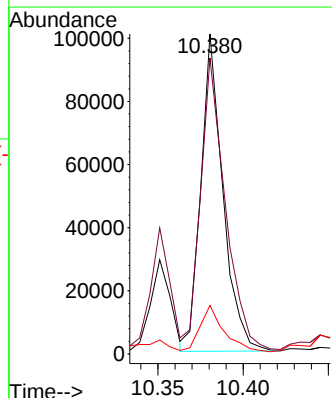
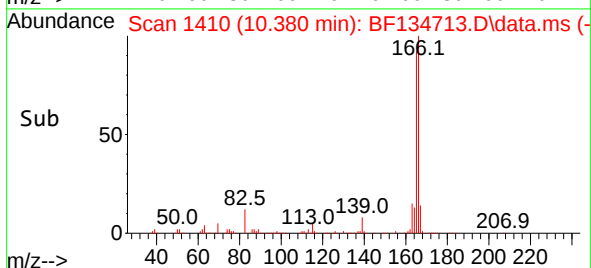
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

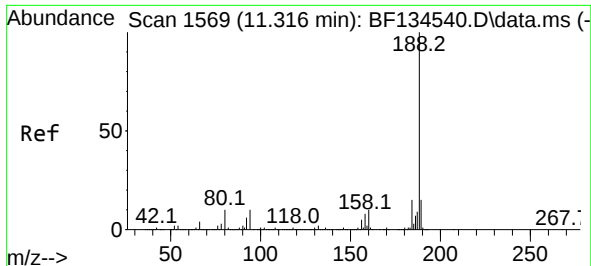


#58
Fluorene
Concen: 5.125 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22



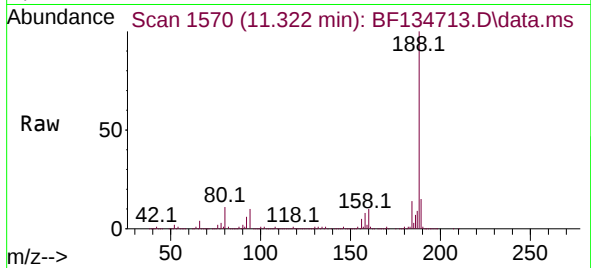
Tgt Ion:166 Resp: 90368
Ion Ratio Lower Upper
166 100
165 92.5 74.5 111.7
167 15.1 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

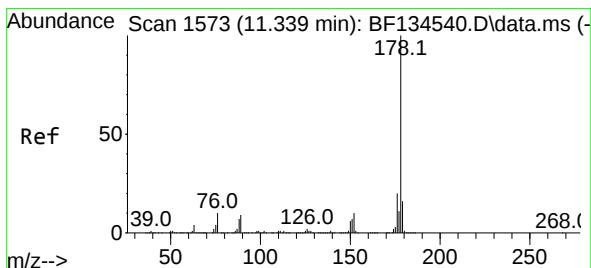
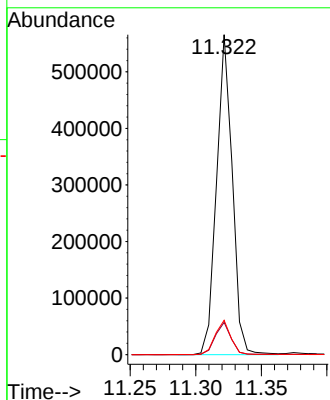
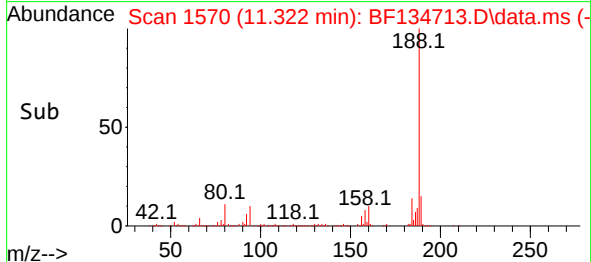
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80DL



Tgt Ion:188 Resp: 473952
Ion Ratio Lower Upper
188 100
94 10.1 5.1 7.7
80 10.7 6.6 9.8

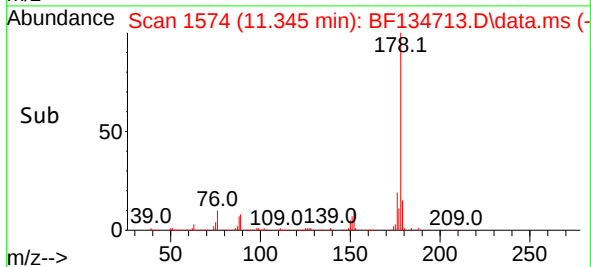
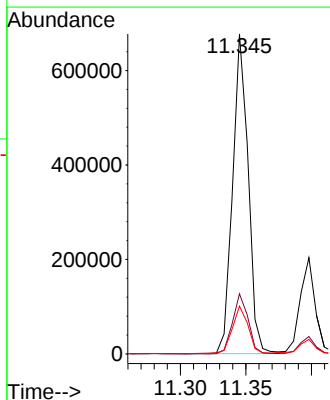
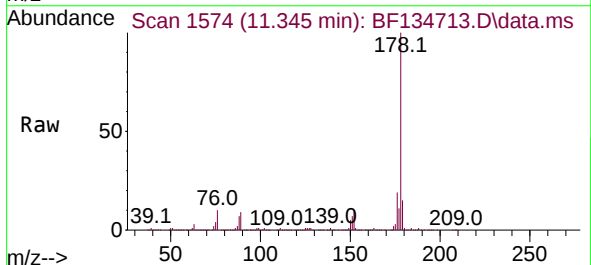
Manual Integrations
APPROVED

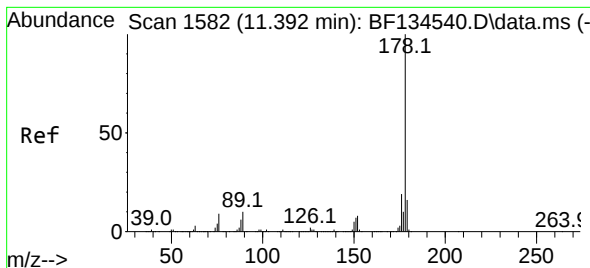
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#71
Phenanthrene
Concen: 22.148 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

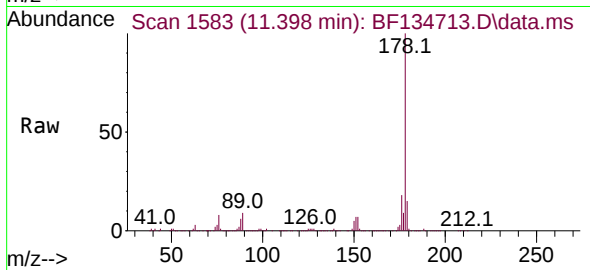
Tgt Ion:178 Resp: 557581
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 14.9 12.7 19.1





#72
 Anthracene
 Concen: 6.077 ng
 RT: 11.398 min Scan# 1139
 Delta R.T. -0.006 min
 Lab File: BF134713.D
 Acq: 10 Aug 2023 17:22

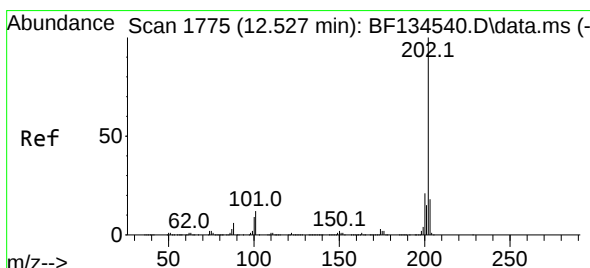
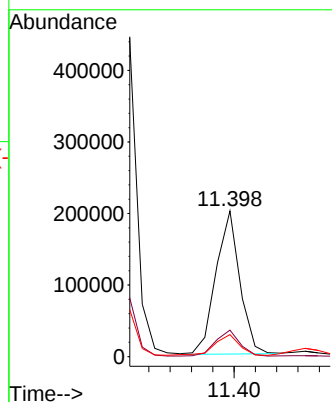
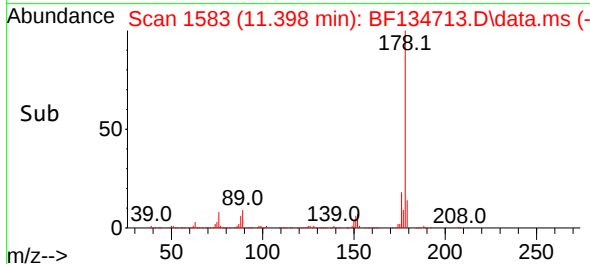
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB01-Z78-80DL



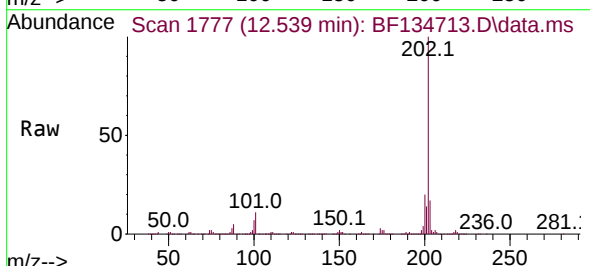
Tgt Ion:178 Resp: 156261
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 15.1 12.3 18.5

Manual Integrations
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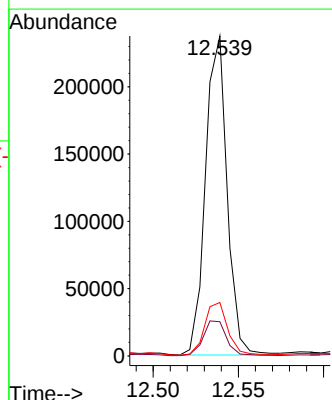
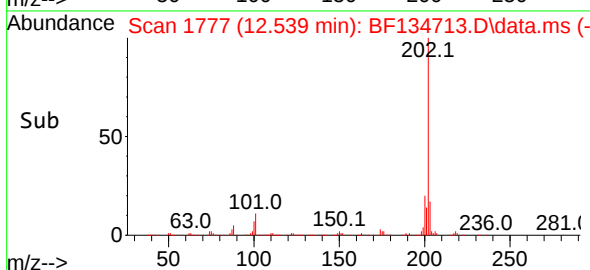
Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023

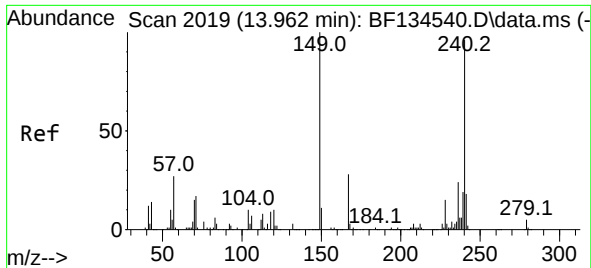


#75
 Fluoranthene
 Concen: 7.882 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134713.D
 Acq: 10 Aug 2023 17:22



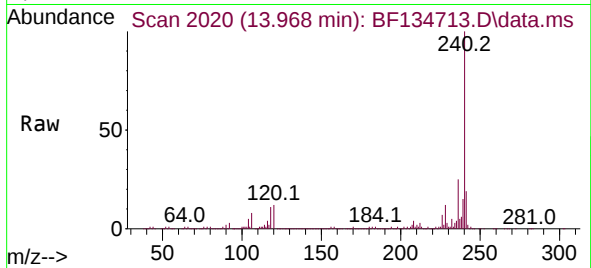
Tgt Ion:202 Resp: 209610
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 28.5
 203 16.7 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

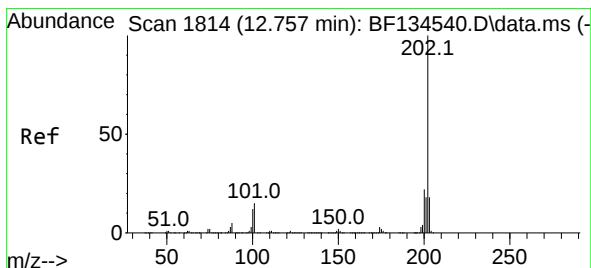
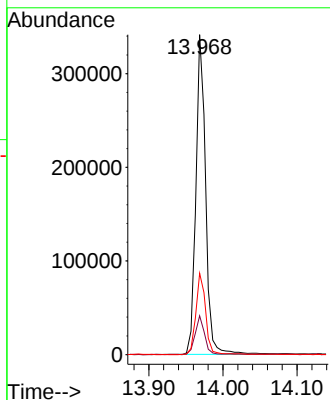
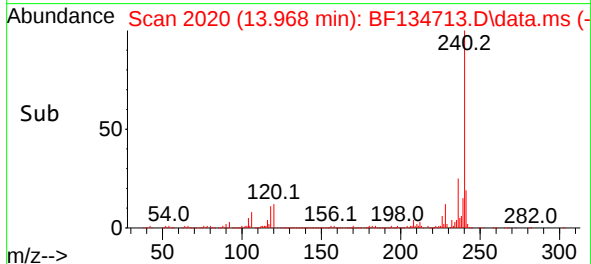
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80DL



Tgt Ion:240 Resp: 313772
Ion Ratio Lower Upper
240 100
120 12.1 6.6 10.0
236 25.4 20.2 30.2

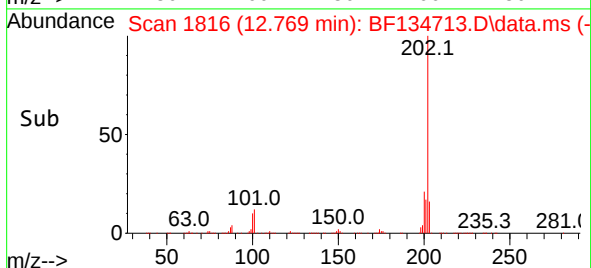
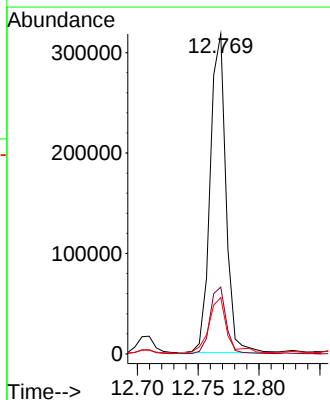
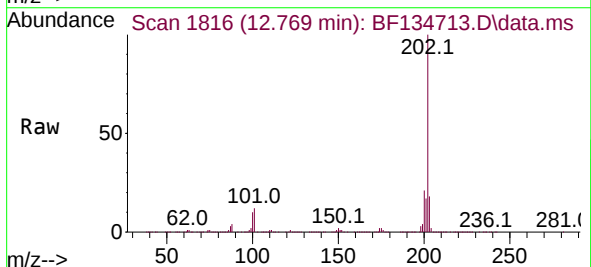
Manual Integrations
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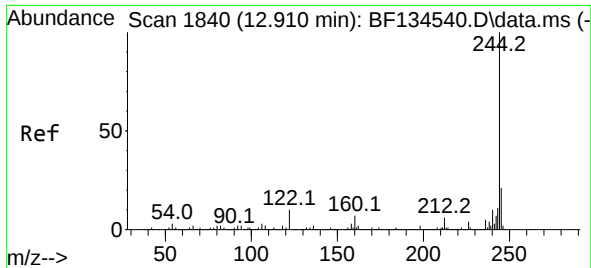
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#78
Pyrene
Concen: 10.574 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

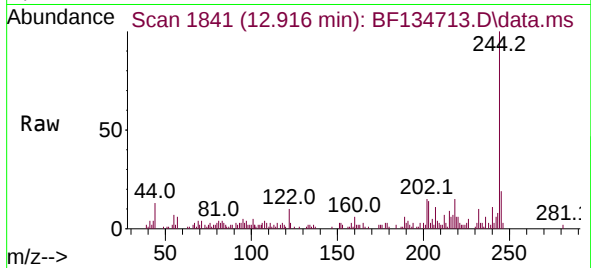
Tgt Ion:202 Resp: 287111
Ion Ratio Lower Upper
202 100
200 20.9 15.8 23.8
203 17.6 13.5 20.3





#79
 Terphenyl-d14
 Concen: 0.795 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF134713.D
 Acq: 10 Aug 2023 17:22

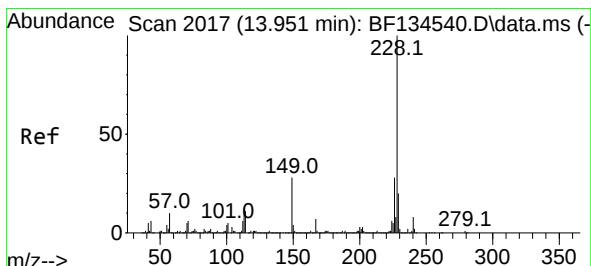
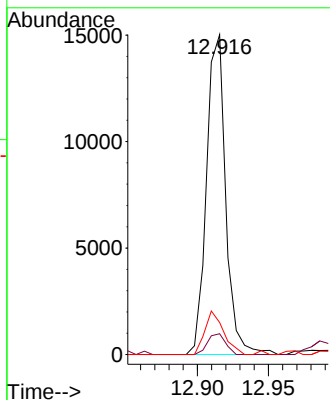
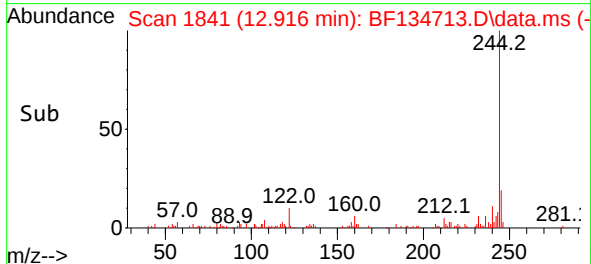
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB01-Z78-80DL



Tgt Ion:244 Resp: 14153
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 12.6 8.0 12.0

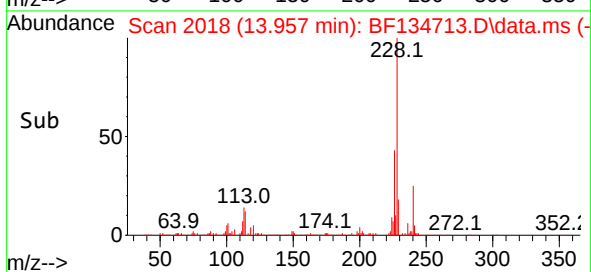
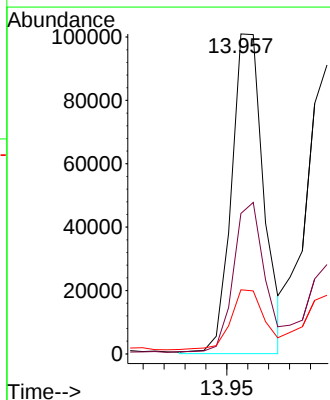
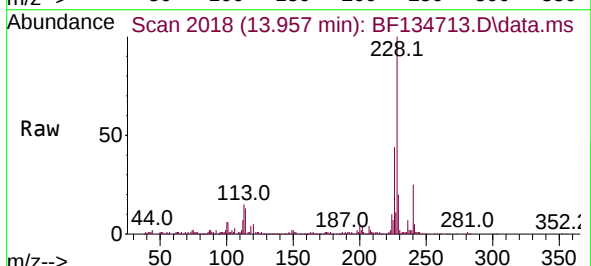
Manual Integrations
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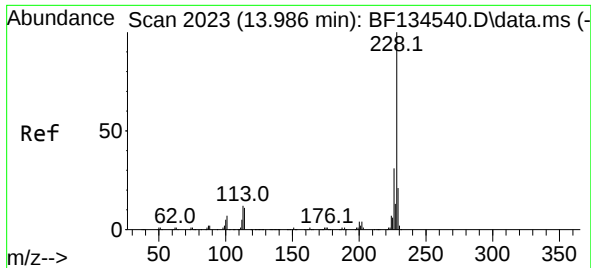
Reviewed By :Yogesh Patel 08/11/2023
 Supervised By :mohammad ahmed 08/11/2023



#81
 Benzo(a)anthracene
 Concen: 4.815 ng m
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF134713.D
 Acq: 10 Aug 2023 17:22

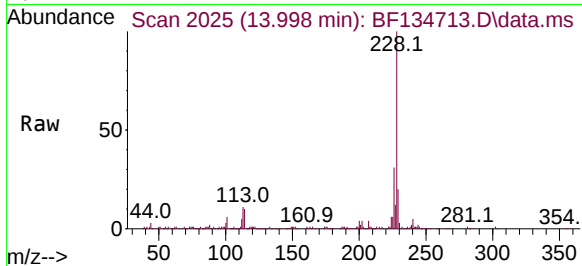
Tgt Ion:228 Resp: 108038
 Ion Ratio Lower Upper
 228 100
 226 43.9 22.3 33.5#
 229 20.0 15.8 23.6





#83
Chrysene
Concen: 4.434 ng
RT: 13.998 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

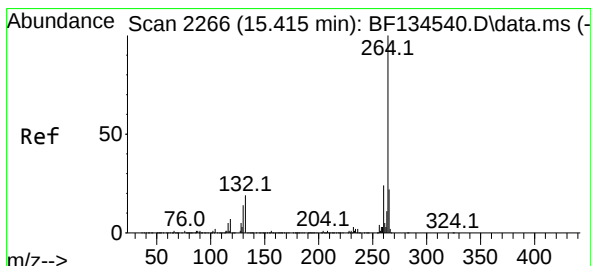
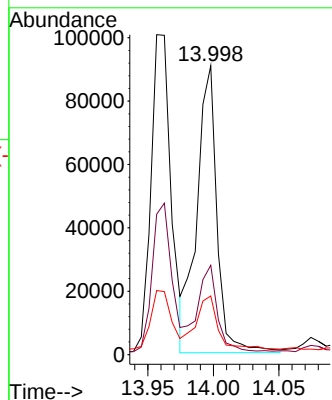
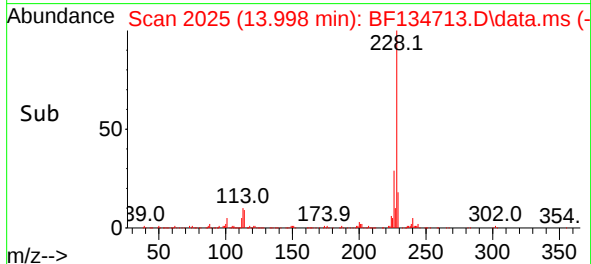
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80DL



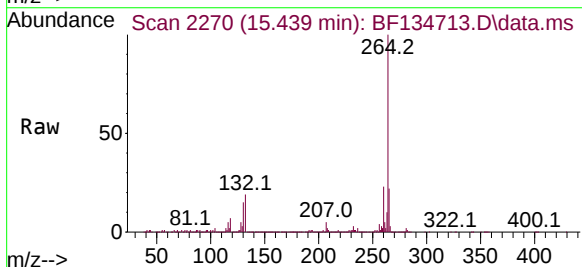
Tgt Ion:228 Resp: 96918
Ion Ratio Lower Upper
228 100
226 31.0 24.5 36.7
229 20.3 15.8 23.8

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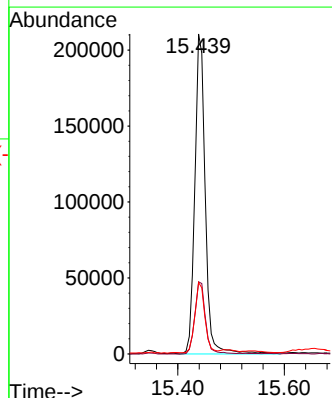
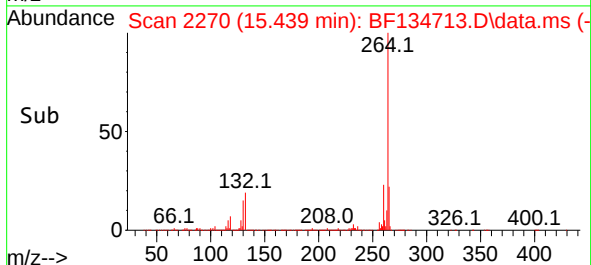
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

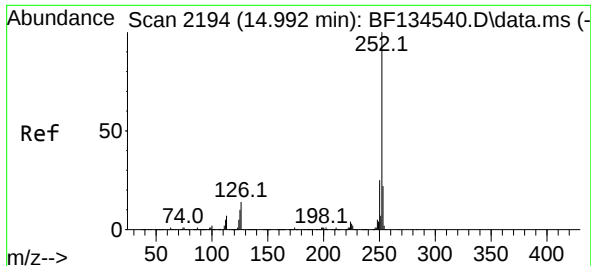


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22



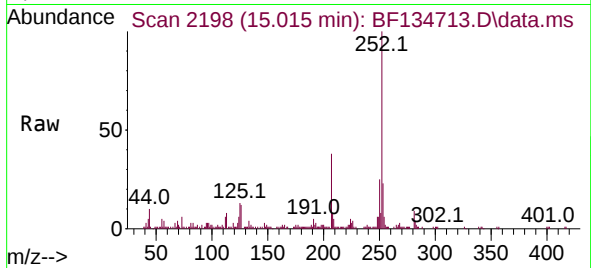
Tgt Ion:264 Resp: 287059
Ion Ratio Lower Upper
264 100
260 22.5 18.4 27.6
265 22.3 15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 3.038 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

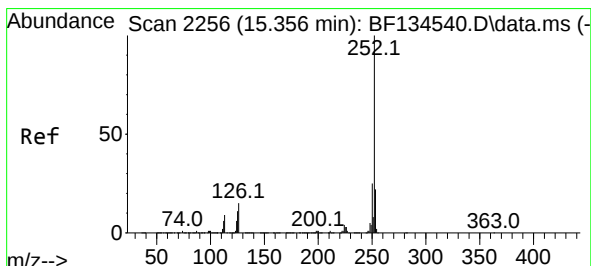
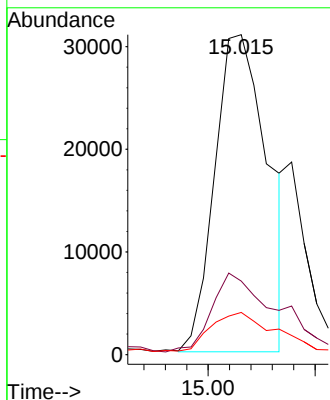
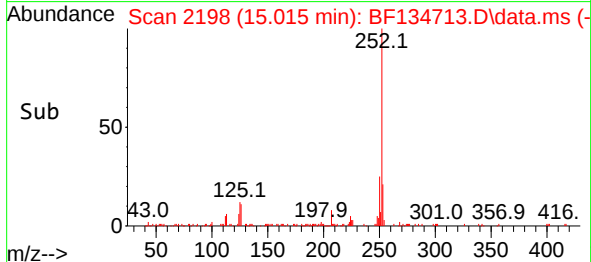
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB01-Z78-80DL



Tgt Ion:252 Resp: 53187
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 13.2 6.0 9.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#90
Benzo(a)pyrene
Concen: 3.484 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134713.D
Acq: 10 Aug 2023 17:22

Tgt Ion:252 Resp: 56871
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 12.8 6.2 9.4

