

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
 Data File : BF134711.D
 Acq On : 10 Aug 2023 16:17
 Operator : CG\JU
 Sample : 03932-02DL 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB-01-Z20-22DL

Quant Time: Aug 11 03:55:12 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	149238	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	593132	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	286062	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	469441	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	307344	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	297409	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	4971	0.506	ng	0.00
7) Phenol-d6	6.434	99	4508	0.359	ng	0.00
23) Nitrobenzene-d5	7.357	82	5247m	0.553	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	1121	0.384	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	13258	0.771	ng	-0.01
79) Terphenyl-d14	12.916	244	12407	0.712	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.104	128	2062971	69.205	ng	98
37) 2-Methylnaphthalene	8.792	142	650615	32.928	ng	99
38) 1-Methylnaphthalene	8.892	142	412190	22.434	ng	97
46) 1,1'-Biphenyl	9.257	154	77695	3.493	ng	96
52) Acenaphthene	9.869	154	259863	15.305	ng	98
58) Fluorene	10.380	166	119233	6.772	ng	95
71) Phenanthrene	11.345	178	486401	19.507	ng	99
72) Anthracene	11.398	178	141474	5.555	ng	99
75) Fluoranthene	12.539	202	149162	5.663	ng	97
78) Pyrene	12.769	202	224578	8.444	ng	98
81) Benzo(a)anthracene	13.963	228	76714m	3.491	ng	
83) Chrysene	13.998	228	73133	3.416	ng	97
88) Benzo(b)fluoranthene	15.015	252	38174m	2.105	ng	
90) Benzo(a)pyrene	15.374	252	42786	2.530	ng	# 94

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

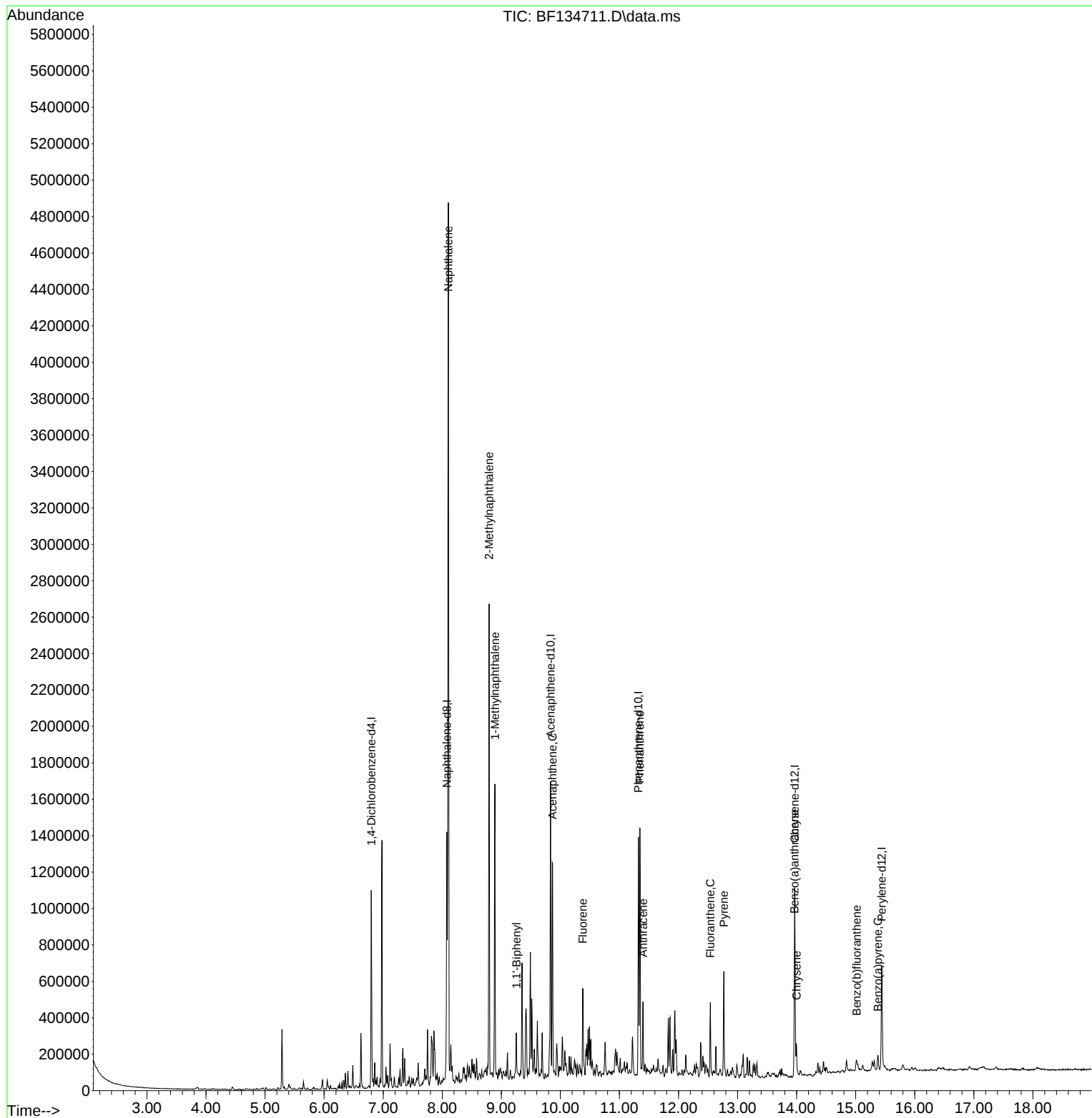
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081023\
Data File : BF134711.D
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ALS Vial : 12 Sample Multiplier: 1

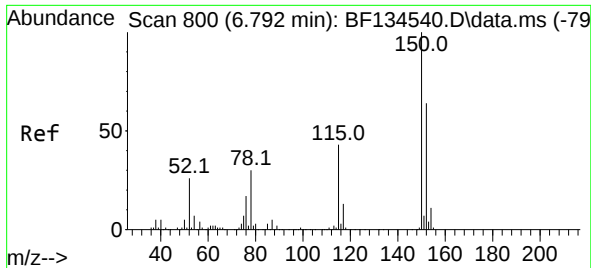
Instrument :
BNA_F
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NEVINS-SB-01-Z20-22DL

Quant Time: Aug 11 03:55:12 2023
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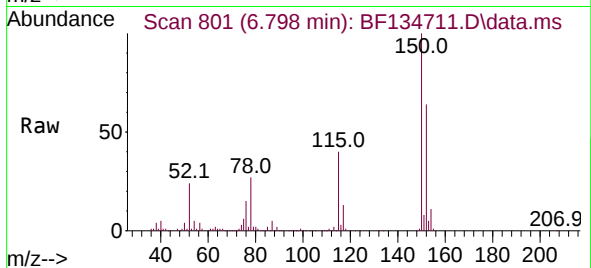
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

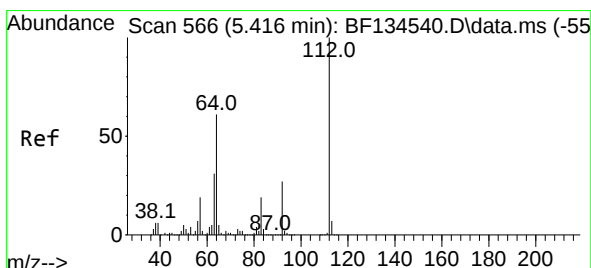
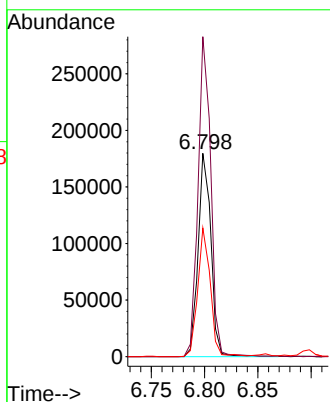
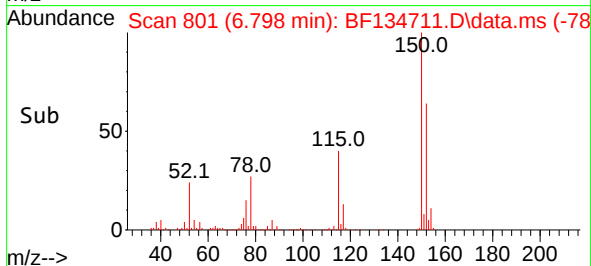
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL



Tgt Ion:152 Resp: 149238
Ion Ratio Lower Upper
152 100
150 157.4 128.3 192.5
115 63.2 52.4 78.6

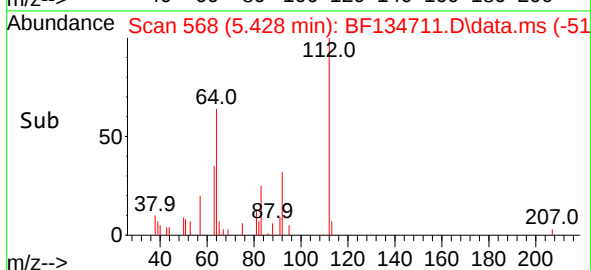
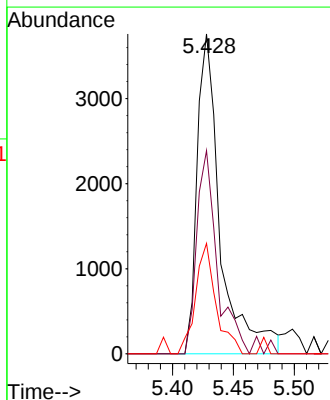
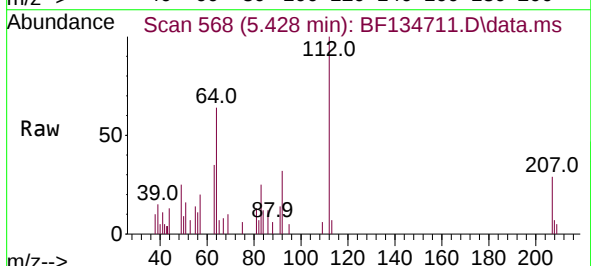
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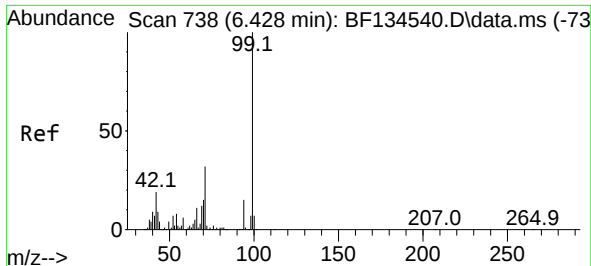
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#5
2-Fluorophenol
Concen: 0.506 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:112 Resp: 4971
Ion Ratio Lower Upper
112 100
64 63.5 44.9 67.3
63 34.5 25.4 38.0





#7

Phenol-d6

Concen: 0.359 ng

RT: 6.434 min Scan# 738

Delta R.T. -0.006 min

Lab File: BF134711.D

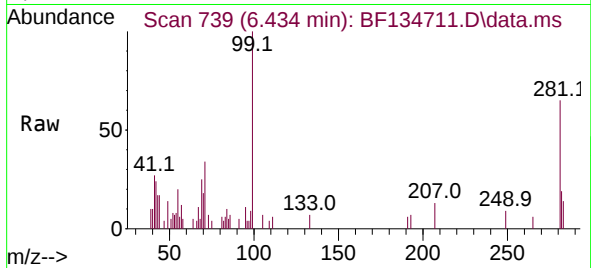
Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL



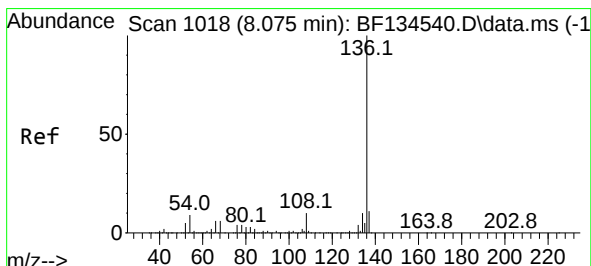
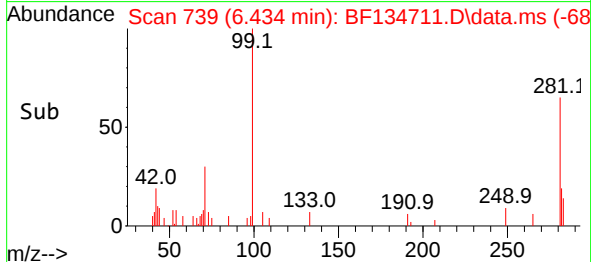
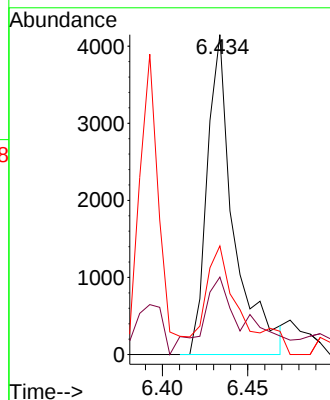
Tgt Ion:	99	Ratio	100	Lower	Upper
99	100				
42	24.2		18.7	28.1	
71	34.0		36.4	54.6	

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

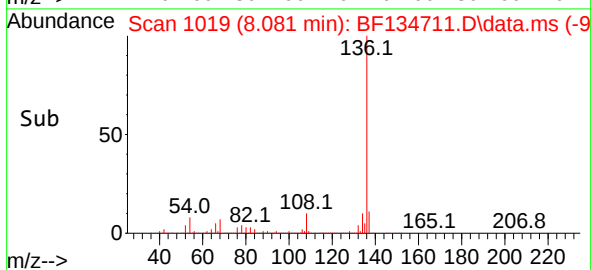
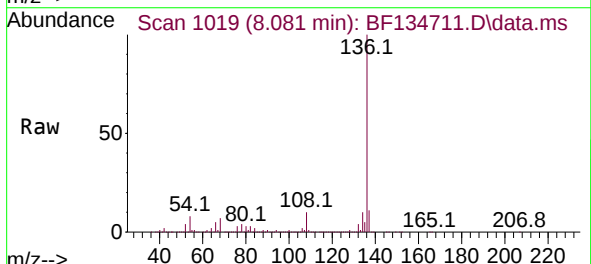
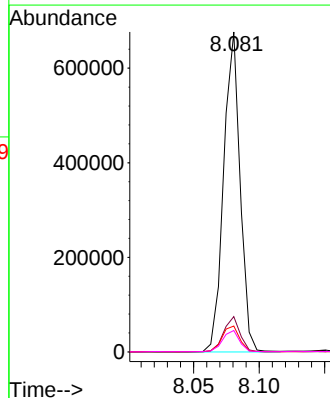
RT: 8.081 min Scan# 1019

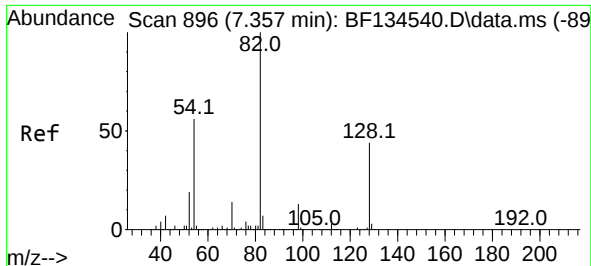
Delta R.T. 0.000 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Tgt Ion:	136	Ratio	100	Lower	Upper
136	100				
137	11.0		8.4	12.6	
54	8.1		5.2	7.8	
68	6.7		2.9	4.3	





#23

Nitrobenzene-d5

Concen: 0.553 ng m

RT: 7.357 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL

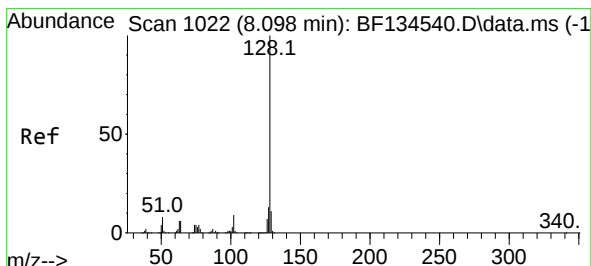
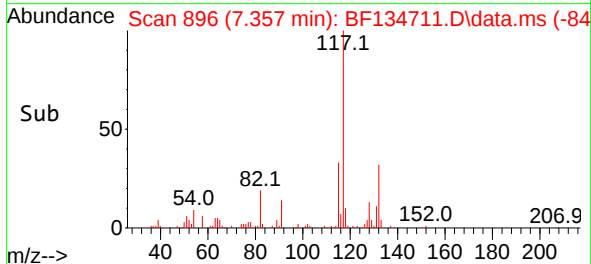
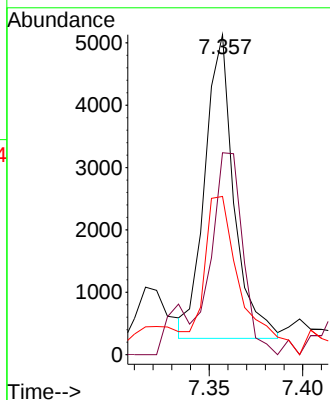
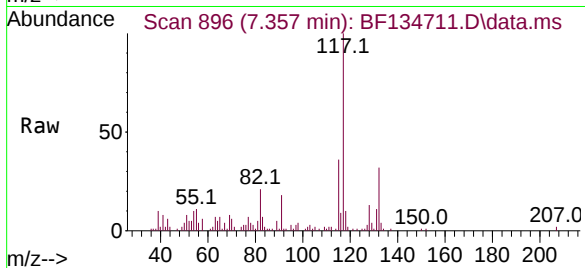
Tgt Ion:	82	Resp:	524
Ion Ratio	Lower	Upper	
82	100		
128	63.1	34.3	51.5
54	49.4	43.8	65.6

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#31

Naphthalene

Concen: 69.205 ng

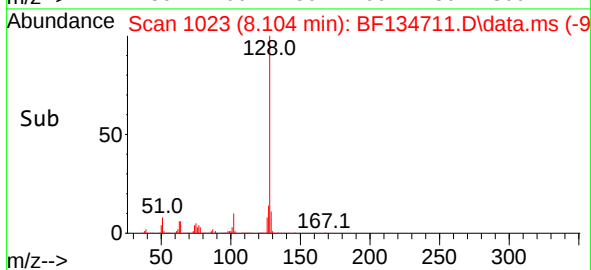
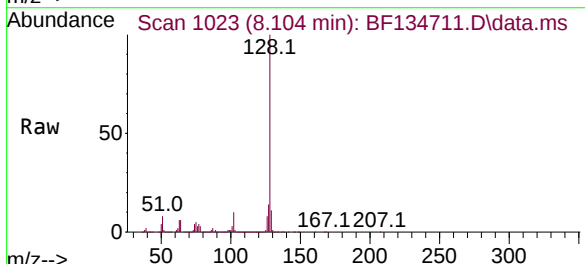
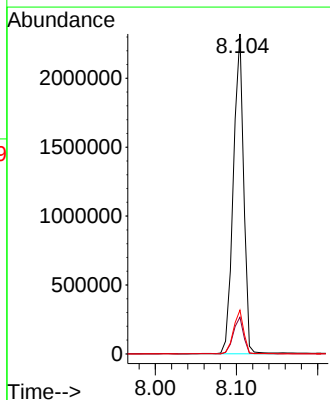
RT: 8.104 min Scan# 1023

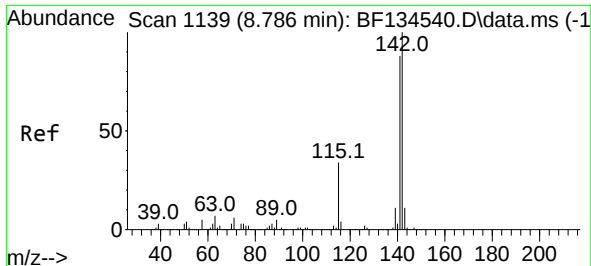
Delta R.T. 0.000 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Tgt Ion:	128	Resp:	2062971
Ion Ratio	Lower	Upper	
128	100		
129	11.5	8.4	12.6
127	13.7	10.7	16.1





#37

2-Methylnaphthalene

Concen: 32.928 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL

Tgt Ion:142 Resp: 650615

Ion Ratio Lower Upper

142 100

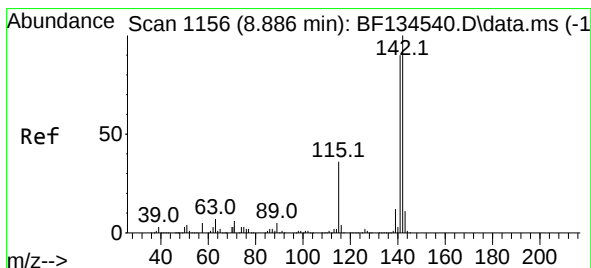
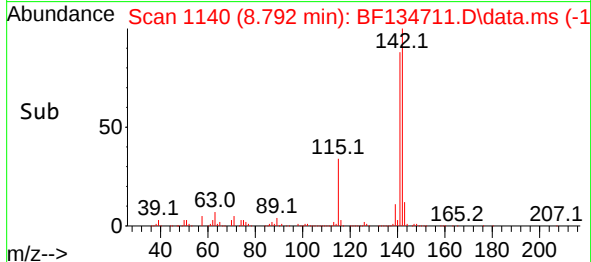
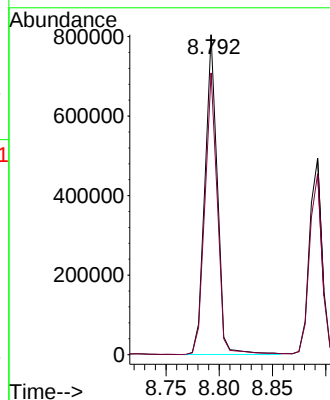
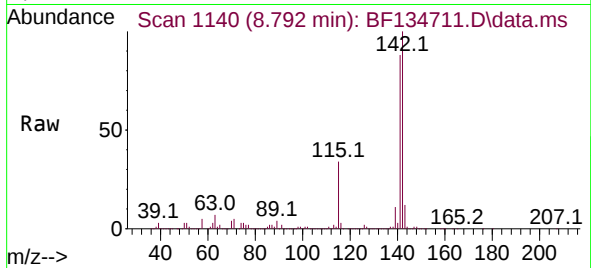
141 88.0 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#38

1-Methylnaphthalene

Concen: 22.434 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134711.D

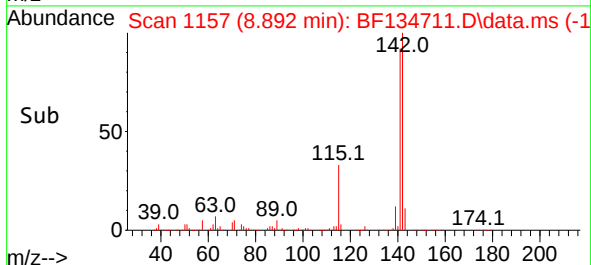
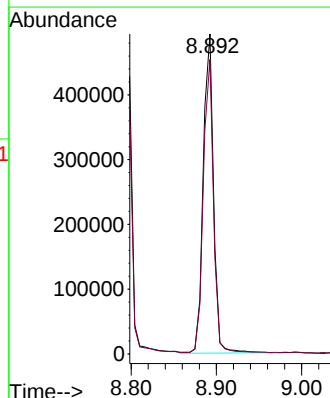
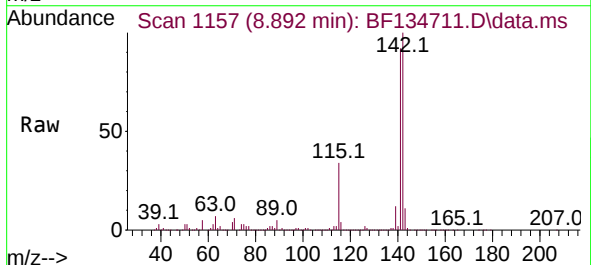
Acq: 10 Aug 2023 16:17

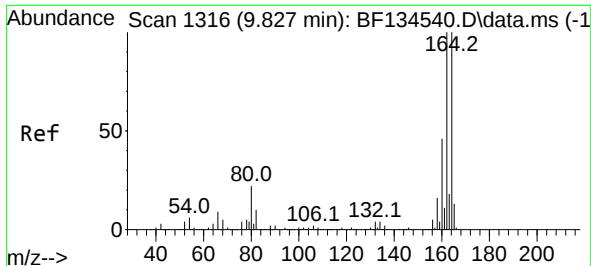
Tgt Ion:142 Resp: 412190

Ion Ratio Lower Upper

142 100

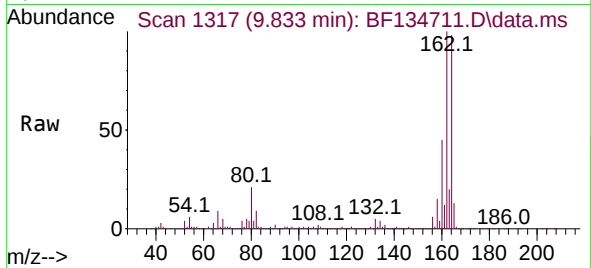
141 92.0 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

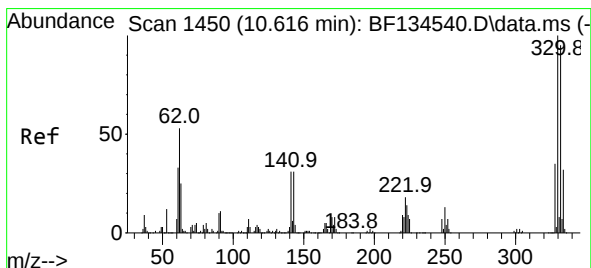
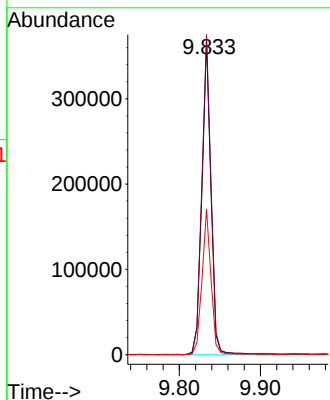
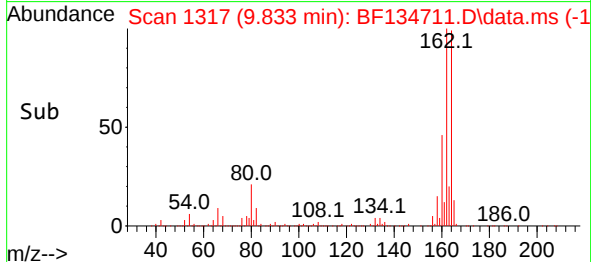
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL



Tgt Ion:164 Resp: 286062
Ion Ratio Lower Upper
164 100
162 102.0 82.6 123.8
160 46.3 37.2 55.8

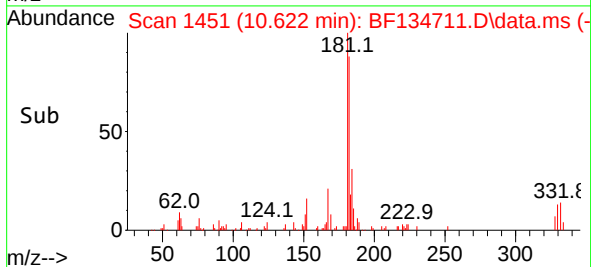
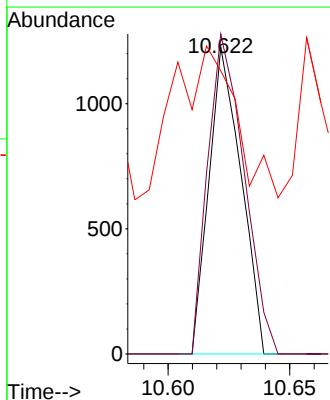
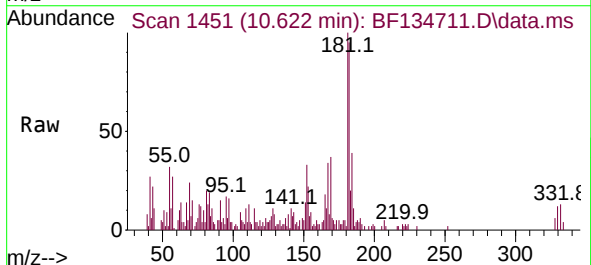
Manual Integrations
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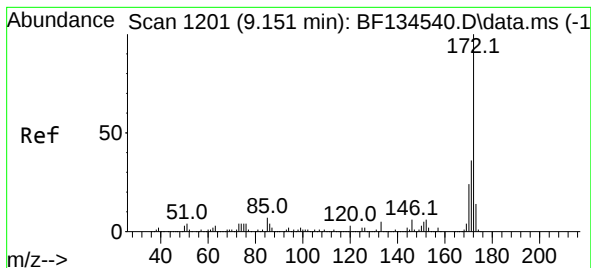
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#42
2,4,6-Tribromophenol
Concen: 0.384 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:330 Resp: 1121
Ion Ratio Lower Upper
330 100
332 117.9 78.8 118.2
141 96.3 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.771 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL

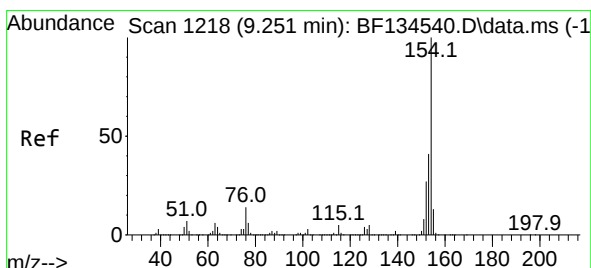
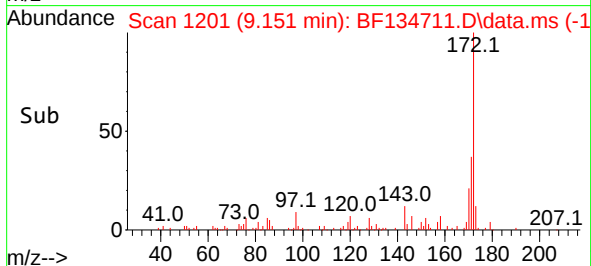
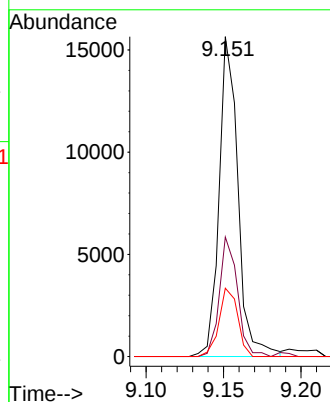
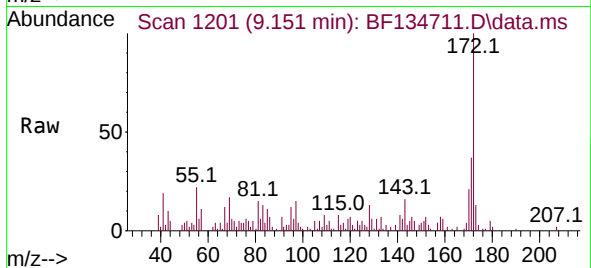
Tgt Ion:	172	Resp:	13258
Ion Ratio	Lower	Upper	
172	100		
171	37.4	28.8	43.2
170	21.4	18.7	28.1

Manual Integrations

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Supervised By :mohammad ahmed 08/11/2023



#46

1,1'-Biphenyl

Concen: 3.493 ng

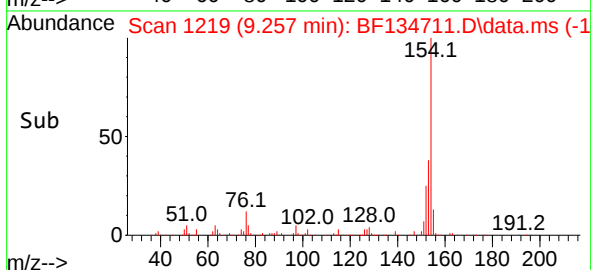
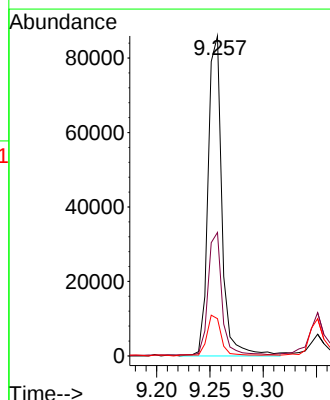
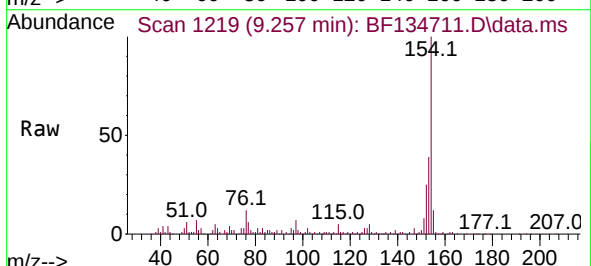
RT: 9.257 min Scan# 1219

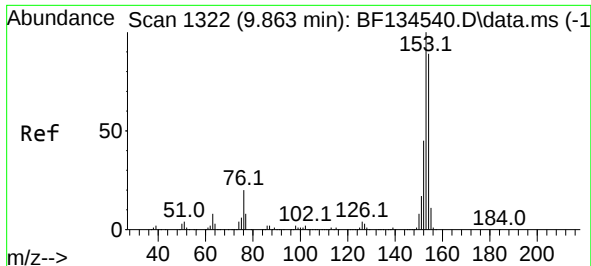
Delta R.T. -0.006 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

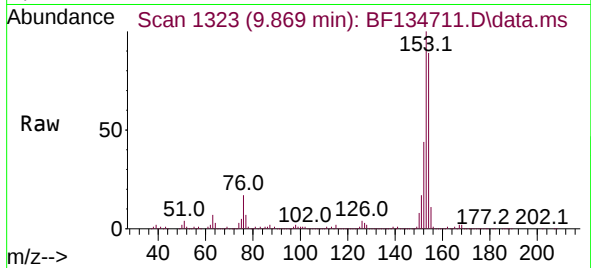
Tgt Ion:	154	Resp:	77695
Ion Ratio	Lower	Upper	
154	100		
153	38.6	20.8	60.8
76	11.6	0.0	30.2





#52
Acenaphthene
Concen: 15.305 ng
RT: 9.869 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

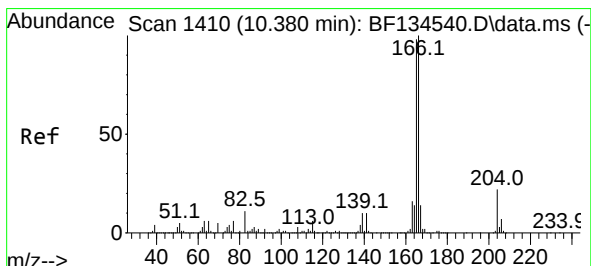
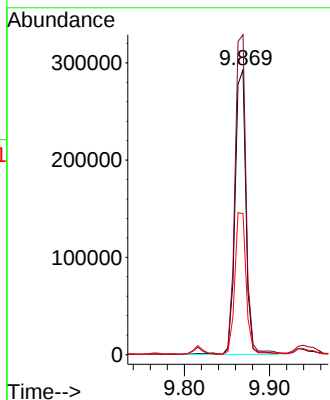
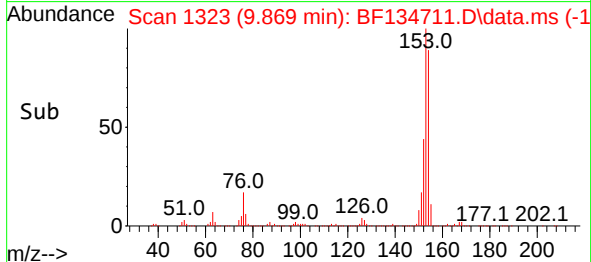
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL



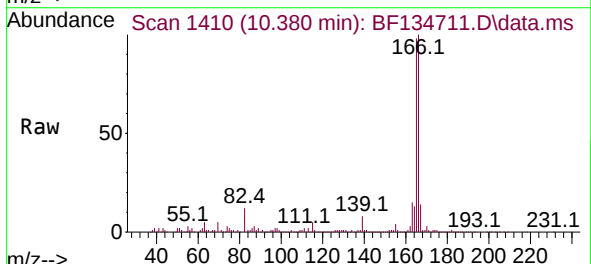
Tgt Ion:154 Resp: 259863
Ion Ratio Lower Upper
154 100
153 112.4 90.0 135.0
152 49.6 42.4 63.6

Manual Integrations
APPROVED

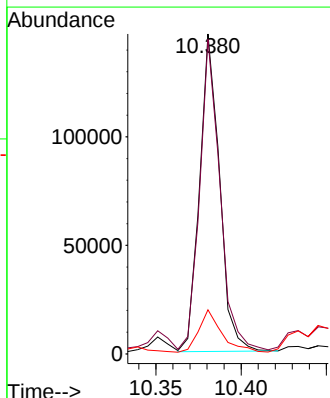
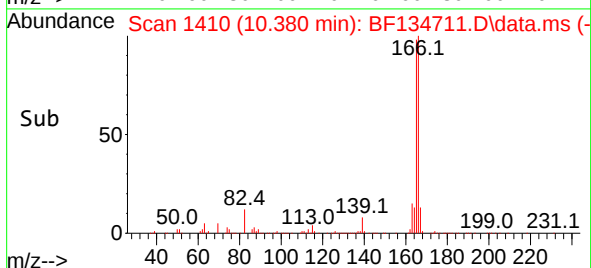
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

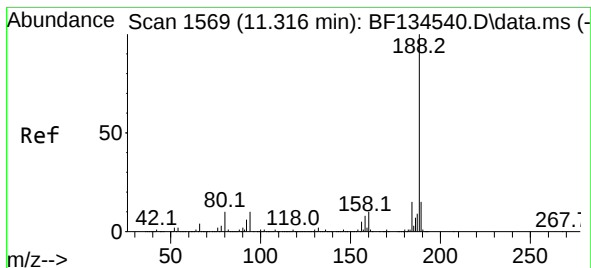


#58
Fluorene
Concen: 6.772 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17



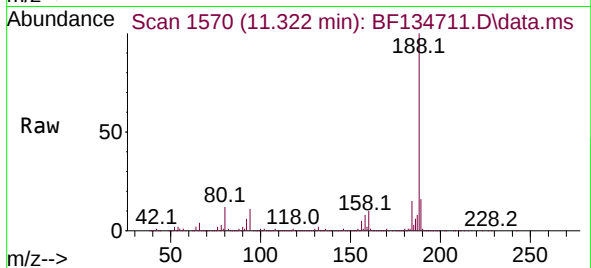
Tgt Ion:166 Resp: 119233
Ion Ratio Lower Upper
166 100
165 98.3 74.5 111.7
167 13.8 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

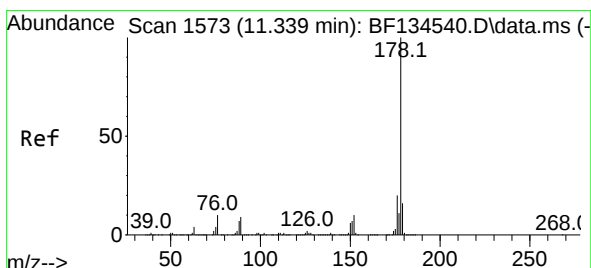
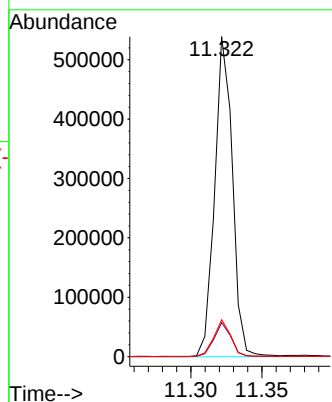
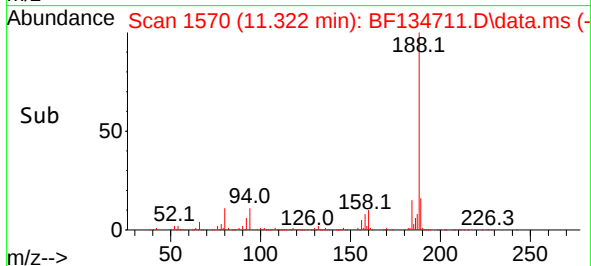
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL



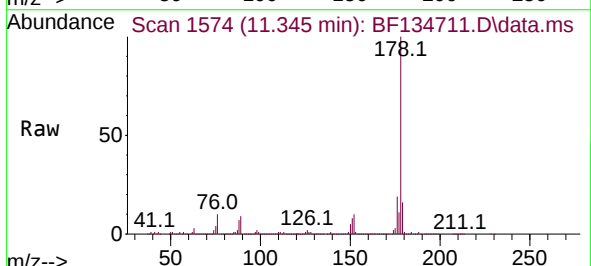
Tgt Ion:188 Resp: 46944
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7
80 11.5 6.6 9.8

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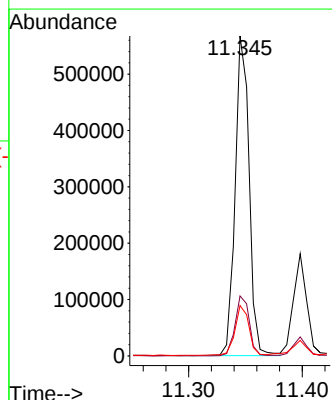
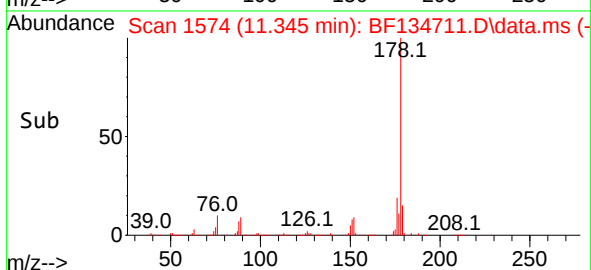
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023

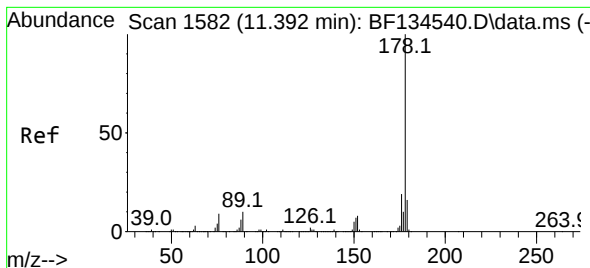


#71
Phenanthrene
Concen: 19.507 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17



Tgt Ion:178 Resp: 486401
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.7 12.7 19.1





#72

Anthracene

Concen: 5.555 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL

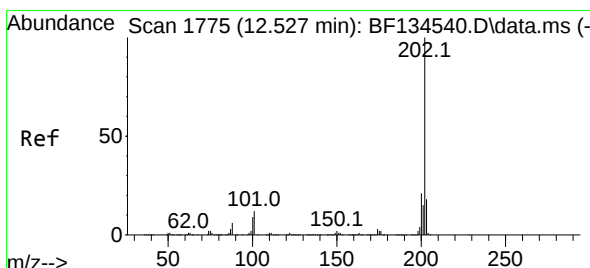
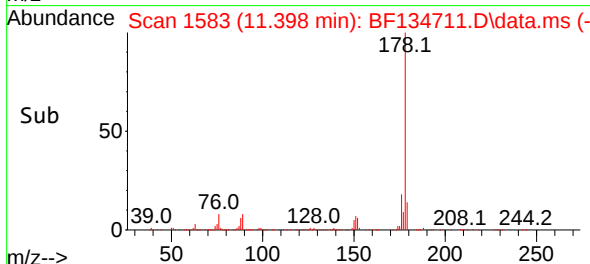
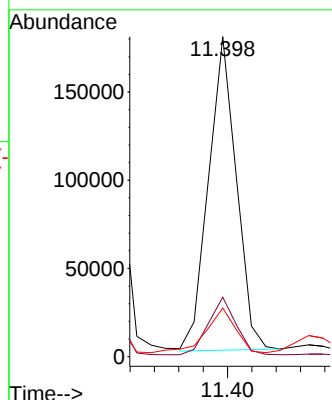
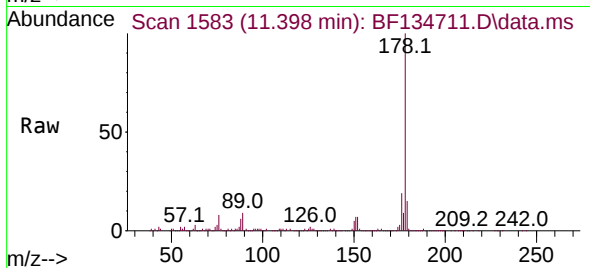
Tgt Ion:178 Resp: 141474
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.6 21.8
 179 15.2 12.3 18.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#75

Fluoranthene

Concen: 5.663 ng

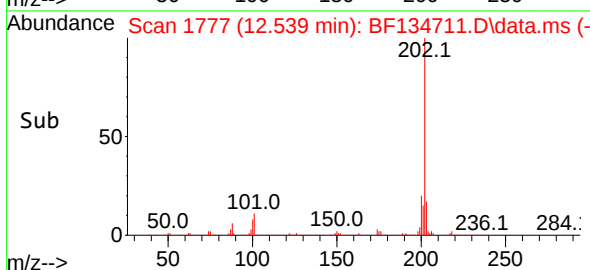
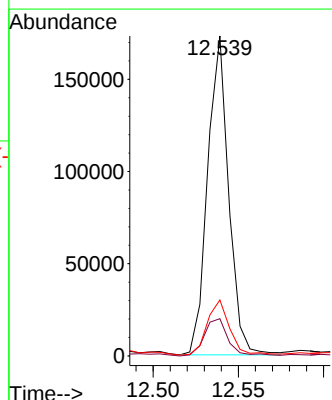
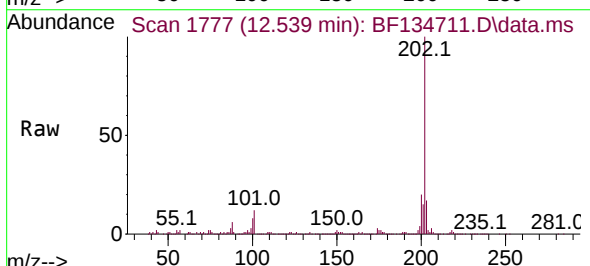
RT: 12.539 min Scan# 1777

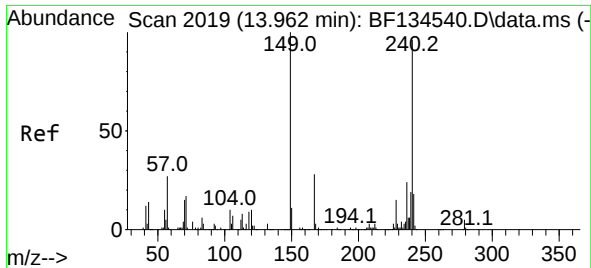
Delta R.T. 0.000 min

Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

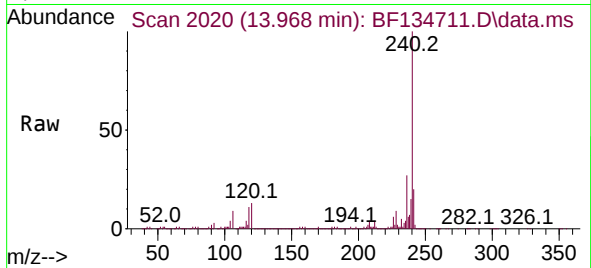
Tgt Ion:202 Resp: 149162
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 28.5
 203 17.5 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

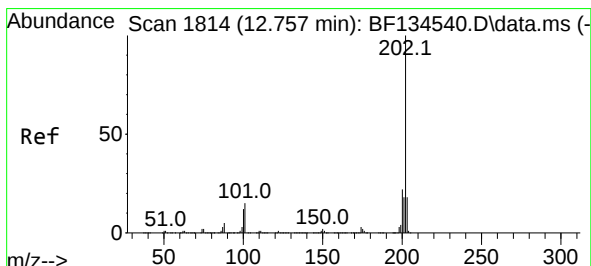
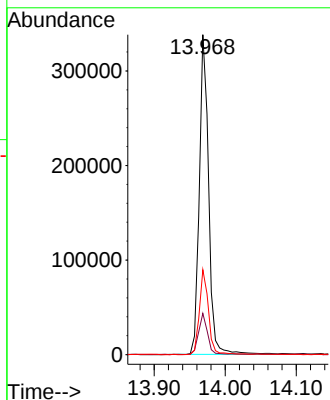
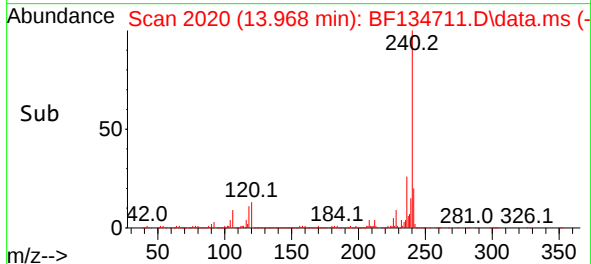
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL



Tgt Ion:240 Resp: 307344
Ion Ratio Lower Upper
240 100
120 12.9 6.6 10.0
236 26.5 20.2 30.2

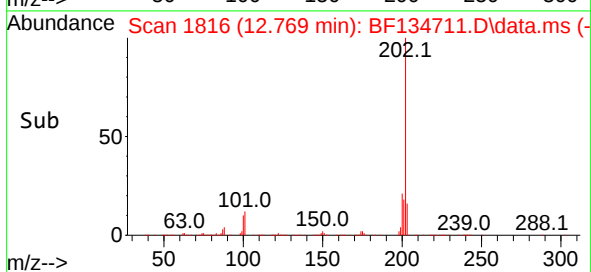
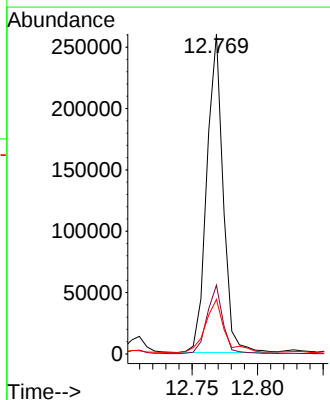
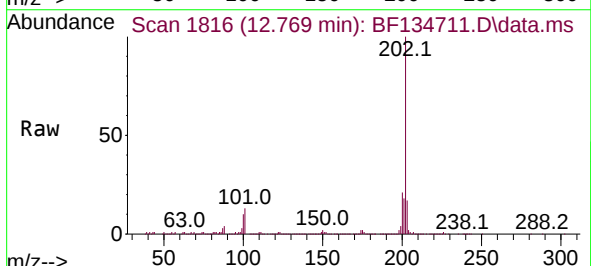
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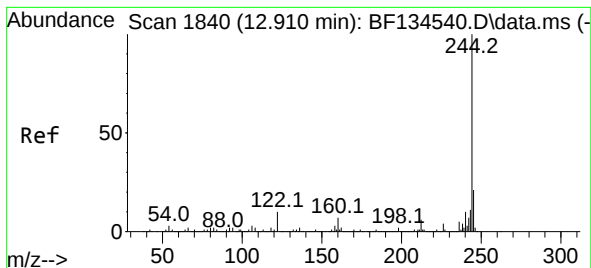
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#78
Pyrene
Concen: 8.444 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Tgt Ion:202 Resp: 224578
Ion Ratio Lower Upper
202 100
200 21.5 15.8 23.8
203 17.0 13.5 20.3





#79

Terphenyl-d14

Concen: 0.712 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF134711.D

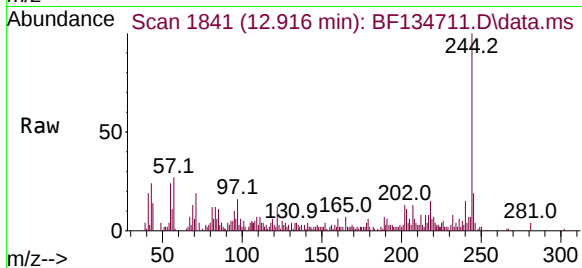
Acq: 10 Aug 2023 16:17

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB-01-Z20-22DL



Tgt Ion:244 Resp: 12407

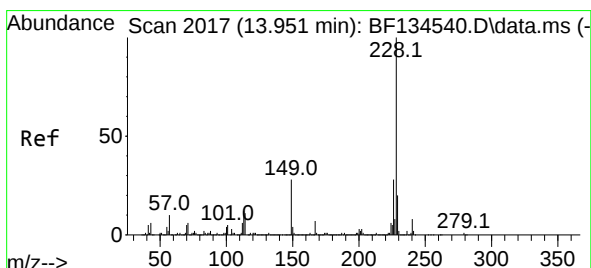
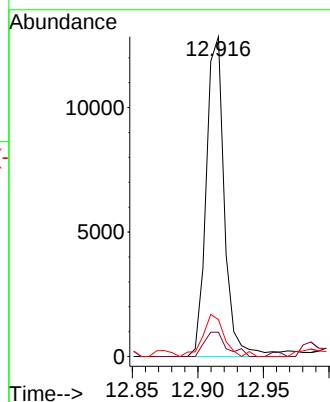
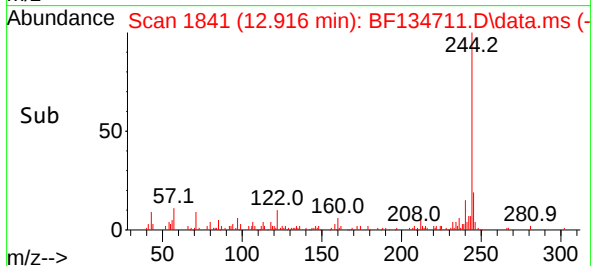
Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.6	8.4
122	11.6	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/11/2023

Supervised By :mohammad ahmed 08/11/2023



#81

Benzo(a)anthracene

Concen: 3.491 ng m

RT: 13.963 min Scan# 2019

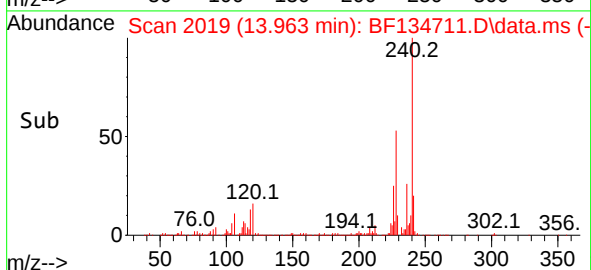
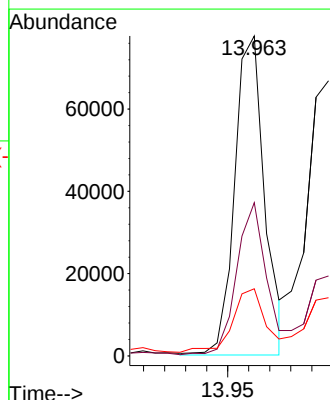
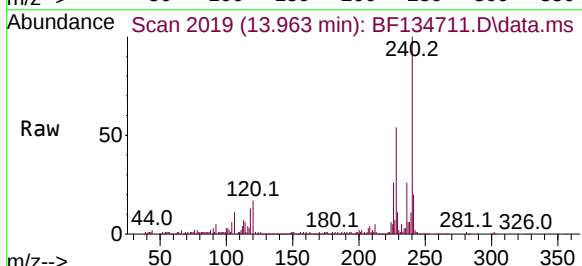
Delta R.T. 0.000 min

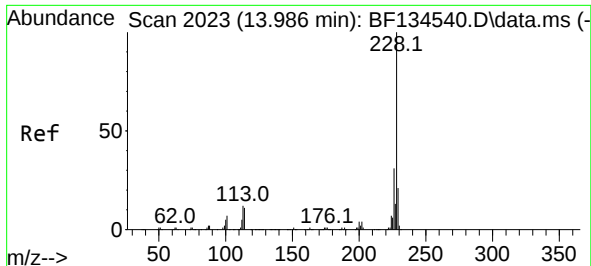
Lab File: BF134711.D

Acq: 10 Aug 2023 16:17

Tgt Ion:228 Resp: 76714

Ion	Ratio	Lower	Upper
228	100		
226	47.9	22.3	33.5
229	21.0	15.8	23.6





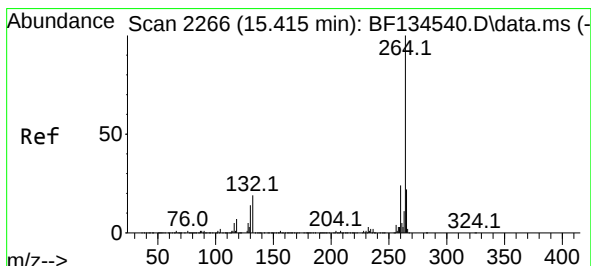
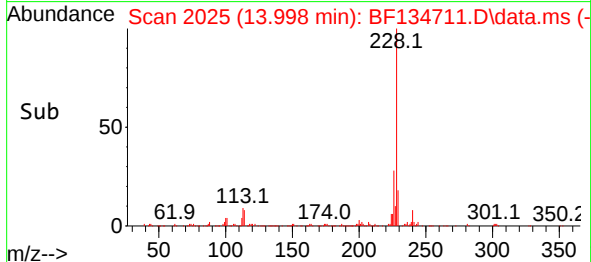
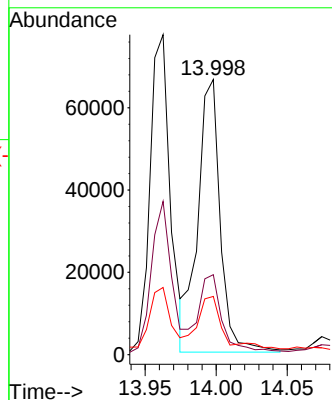
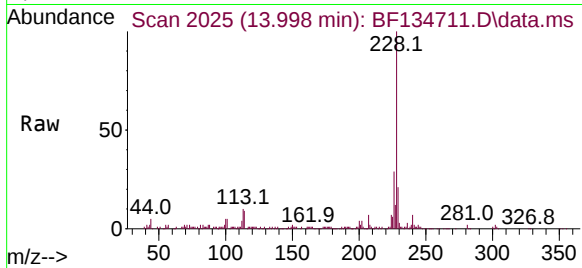
#83
Chrysene
Concen: 3.416 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL

Tgt Ion:228 Resp: 73133
Ion Ratio Lower Upper
228 100
226 29.0 24.5 36.7
229 21.1 15.8 23.8

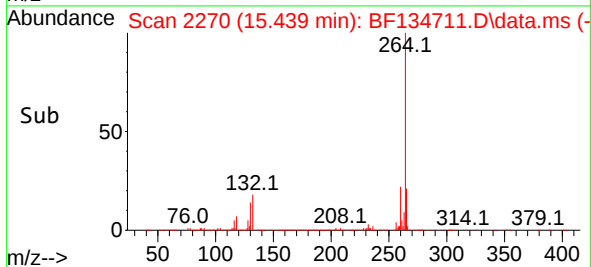
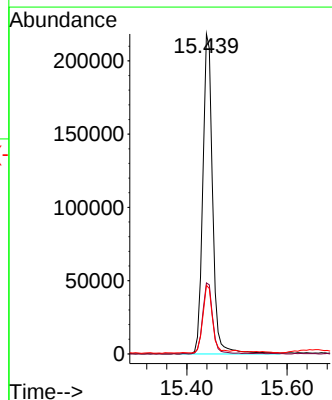
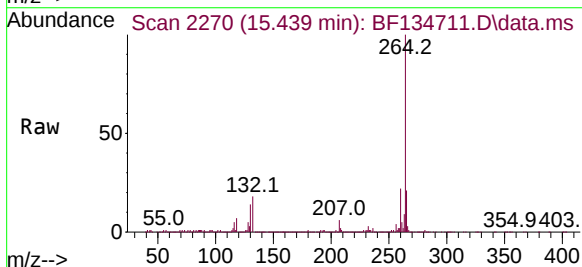
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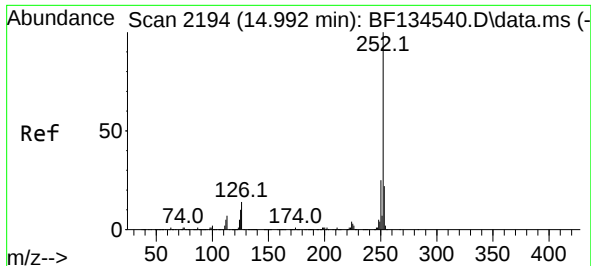
Reviewed By :Yogesh Patel 08/11/2023
Supervised By :mohammad ahmed 08/11/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

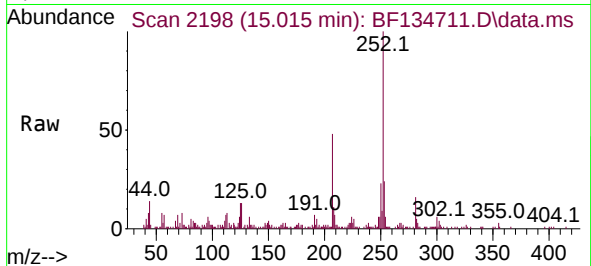
Tgt Ion:264 Resp: 297409
Ion Ratio Lower Upper
264 100
260 22.2 18.4 27.6
265 21.4 15.8 23.8





#88
Benzo(b)fluoranthene
Concen: 2.105 ng m
RT: 15.015 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17

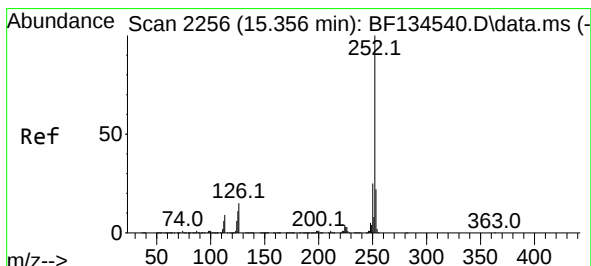
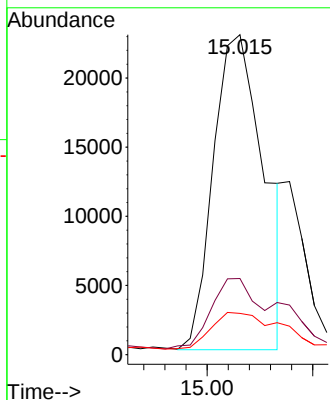
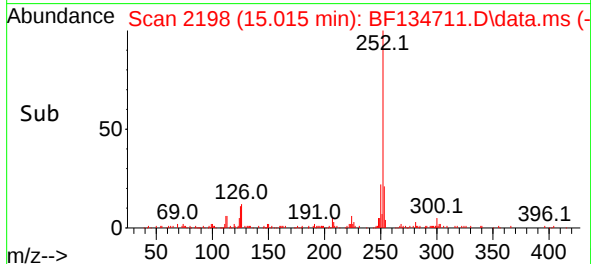
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB-01-Z20-22DL



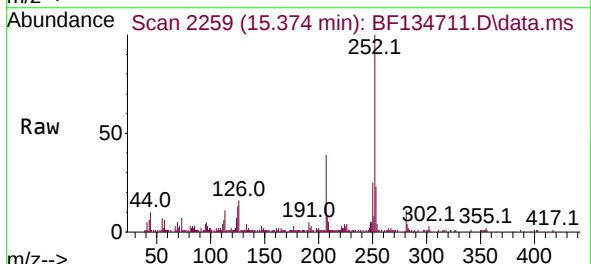
Tgt Ion:252 Resp: 38174
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 12.9 6.0 9.0

Manual Integrations
APPROVED

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



#90
Benzo(a)pyrene
Concen: 2.530 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134711.D
Acq: 10 Aug 2023 16:17



Tgt Ion:252 Resp: 42786
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 12.6 6.2 9.4

