

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134753.D
 Acq On : 14 Aug 2023 11:35
 Operator : CG\JU
 Sample : 03958-02DL2 250X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z93-94DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023

Quant Time: Aug 14 11:55:02 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	154375	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	572345	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	248531	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	404942	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	300809	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	227289	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1448	0.143	ng	0.00
7) Phenol-d6	6.428	99	1138	0.088	ng	-0.01
23) Nitrobenzene-d5	7.357	82	1119	0.122	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	310	0.122	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	3557	0.238	ng	-0.01
79) Terphenyl-d14	12.916	244	3517	0.206	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	1271797	44.213	ng	99
37) 2-Methylnaphthalene	8.792	142	367523	19.276	ng	98
38) 1-Methylnaphthalene	8.892	142	228713	12.900	ng	97
46) 1,1'-Biphenyl	9.251	154	46111	2.386	ng	95
49) Acenaphthylene	9.692	152	226278	9.941	ng	98
58) Fluorene	10.380	166	84370	5.516	ng	96
71) Phenanthrene	11.345	178	347213	16.143	ng	100
72) Anthracene	11.398	178	93116	4.238	ng	99
75) Fluoranthene	12.539	202	120474	5.303	ng	96
78) Pyrene	12.769	202	186288	7.157	ng	99
81) Benzo(a)anthracene	13.963	228	51990m	2.417	ng	
83) Chrysene	13.998	228	48533	2.316	ng	96

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

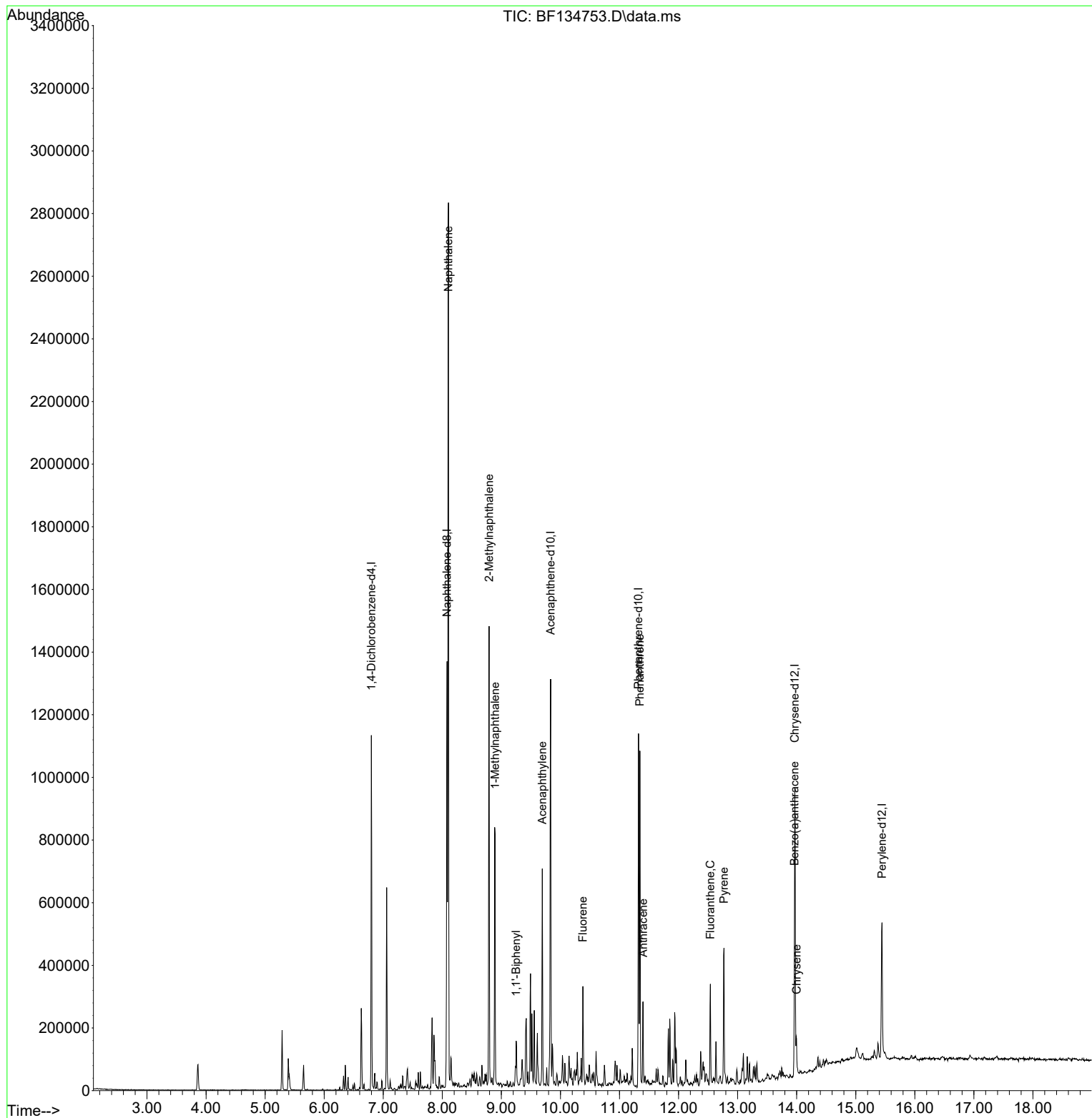
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
Data File : BF134753.D
Acq On : 14 Aug 2023 11:35
Operator : CG\JU
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Misc :
ALS Vial : 7 Sample Multiplier: 1

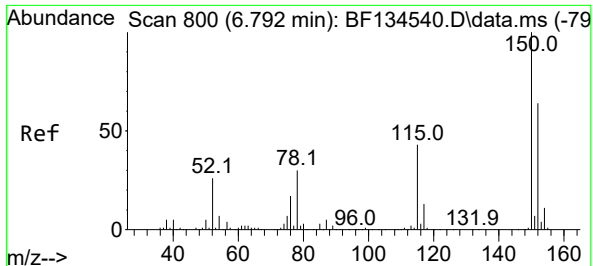
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2

Quant Time: Aug 14 11:55:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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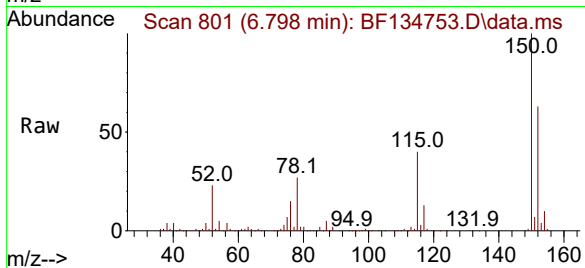
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

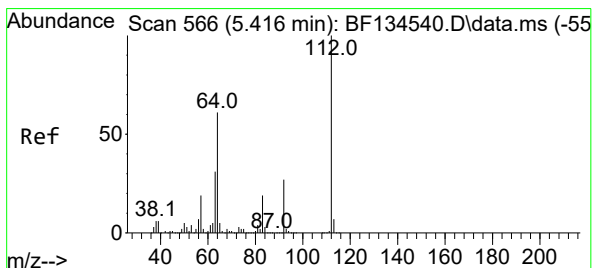
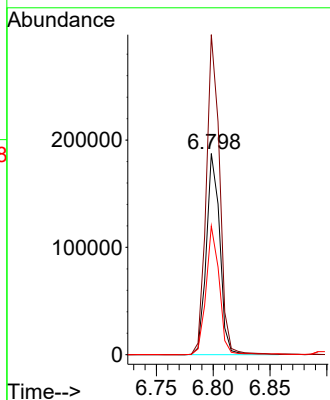
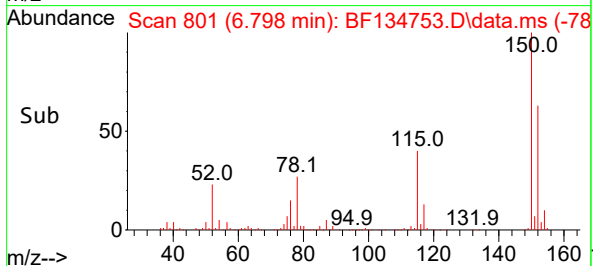
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2



Tgt Ion:152 Resp: 154375
Ion Ratio Lower Upper
152 100
150 159.0 128.3 192.5
115 64.0 52.4 78.6

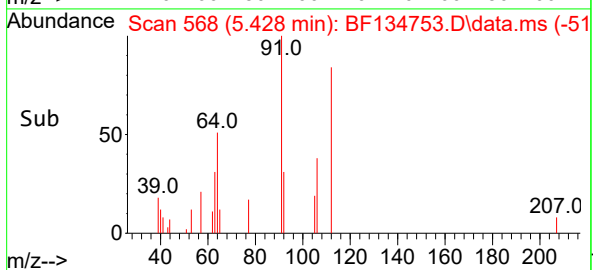
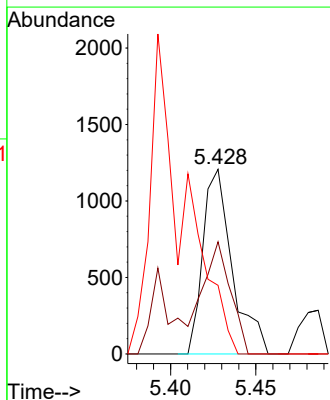
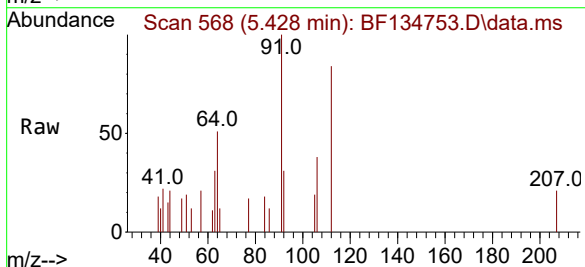
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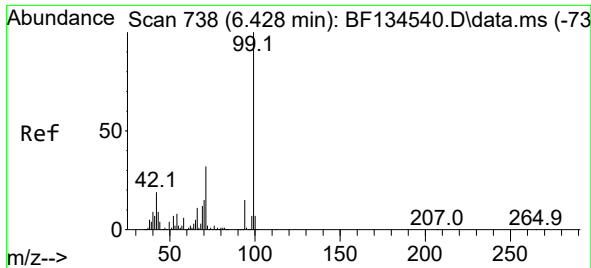
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#5
2-Fluorophenol
Concen: 0.143 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

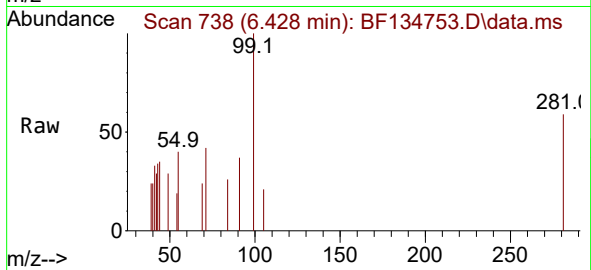
Tgt Ion:112 Resp: 1448
Ion Ratio Lower Upper
112 100
64 60.7 44.9 67.3
63 37.2 25.4 38.0





#7
Phenol-d6
Concen: 0.088 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

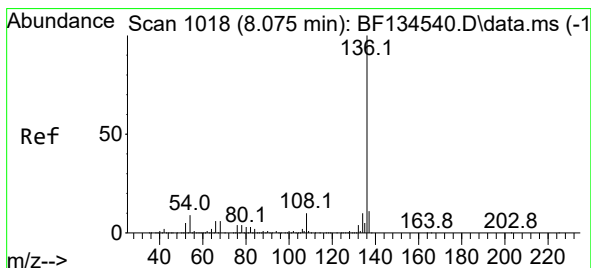
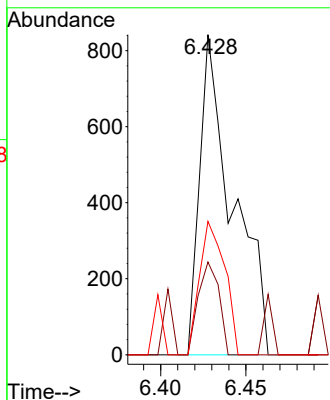
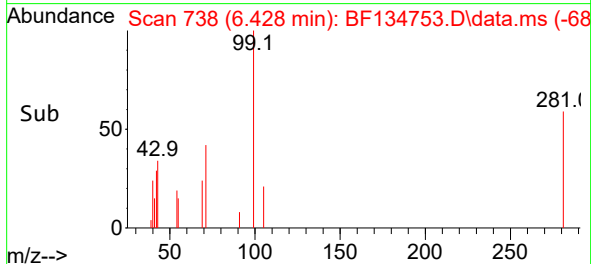
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2



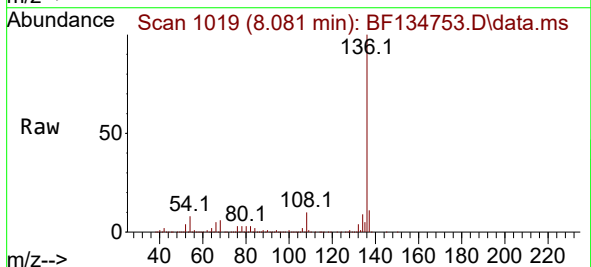
Tgt Ion: 99 Resp: 1138
Ion Ratio Lower Upper
99 100
42 29.0 18.7 28.1
71 41.7 36.4 54.6

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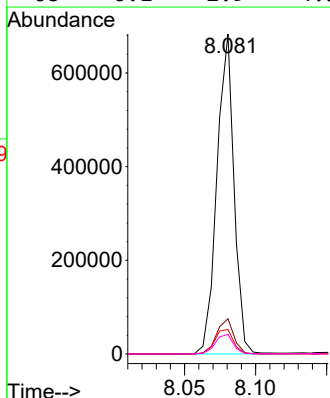
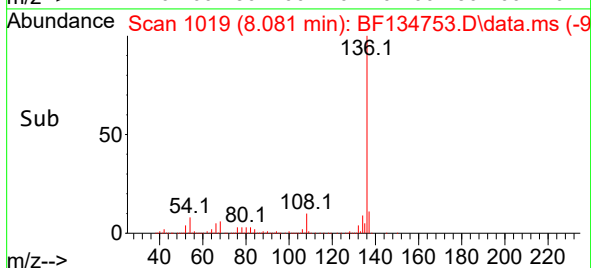
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

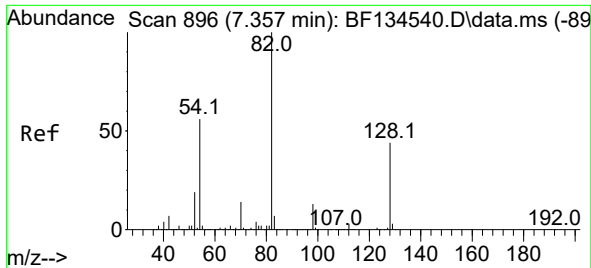


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35



Tgt Ion:136 Resp: 572345
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.7 5.2 7.8
68 6.1 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 0.122 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134753.D

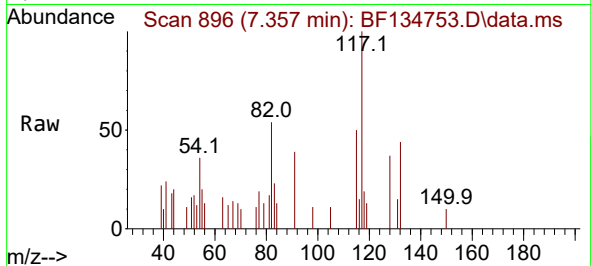
Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

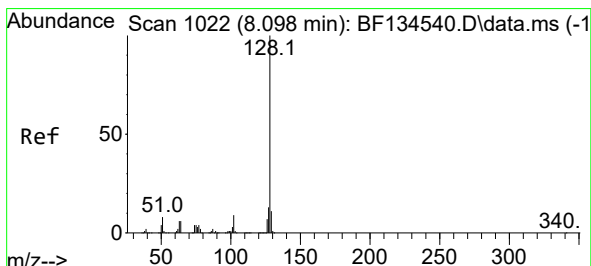
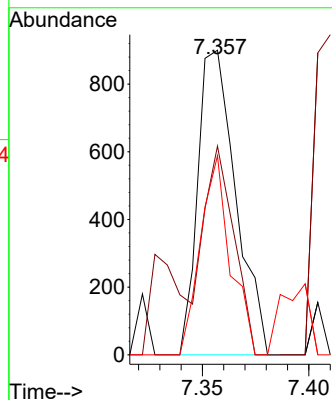
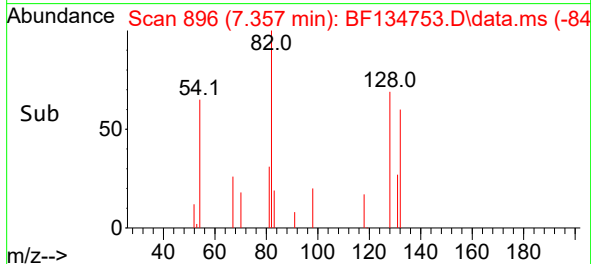
NEVINS-SB02-Z93-94DL2



Tgt Ion:	82	Resp:	1119
Ion Ratio	Lower	Upper	
82	100		
128	68.6	34.3	51.5
54	65.3	43.8	65.6

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Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#31

Naphthalene

Concen: 44.213 ng

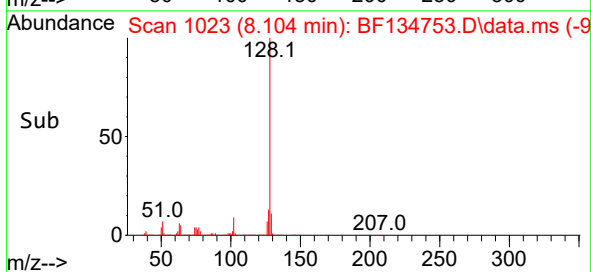
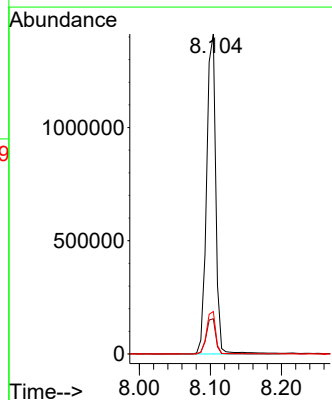
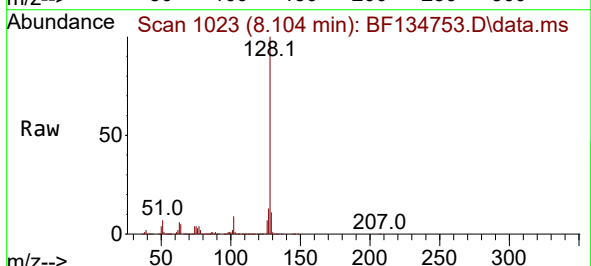
RT: 8.104 min Scan# 1023

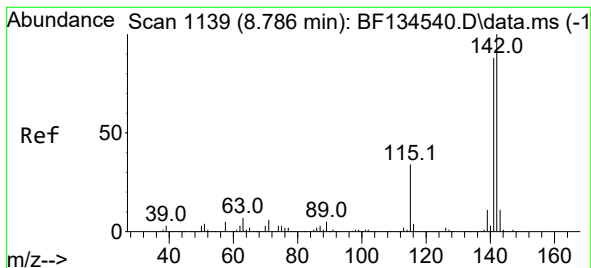
Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Tgt Ion:	128	Resp:	1271797
Ion Ratio	Lower	Upper	
128	100		
129	11.0	8.4	12.6
127	13.3	10.7	16.1





#37

2-Methylnaphthalene

Concen: 19.276 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2

Tgt Ion:142 Resp: 36752

Ion Ratio Lower Upper

142 100

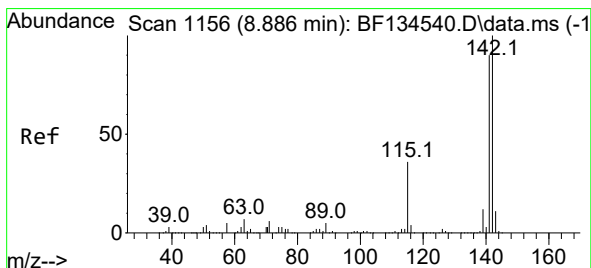
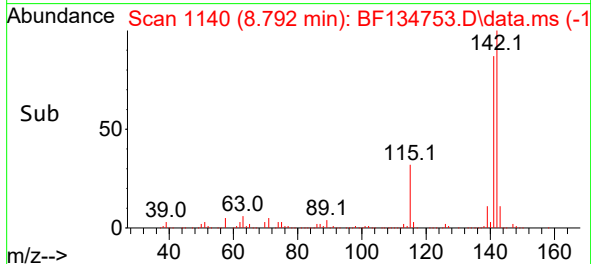
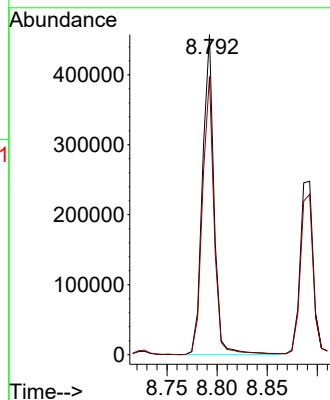
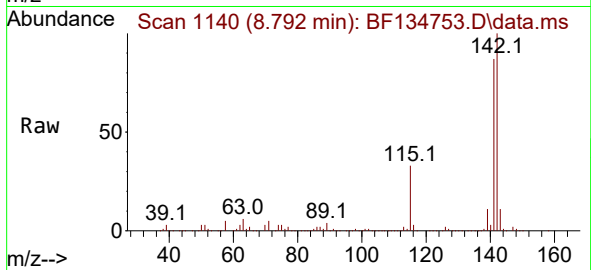
141 86.9 70.8 106.2

Manual Integrations

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Supervised By :Sohil Jodhani 08/15/2023



#38

1-Methylnaphthalene

Concen: 12.900 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134753.D

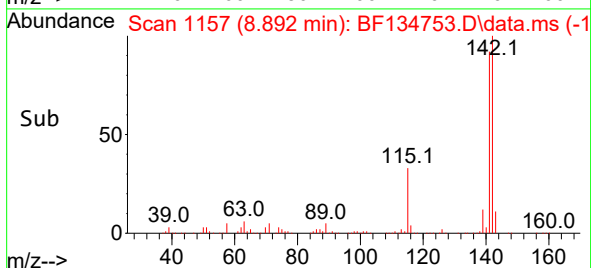
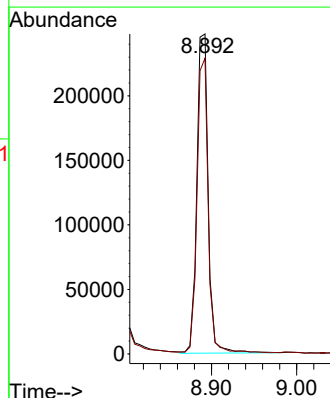
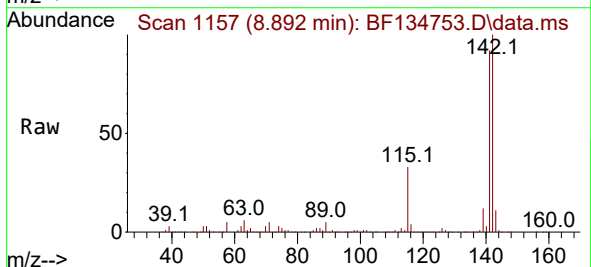
Acq: 14 Aug 2023 11:35

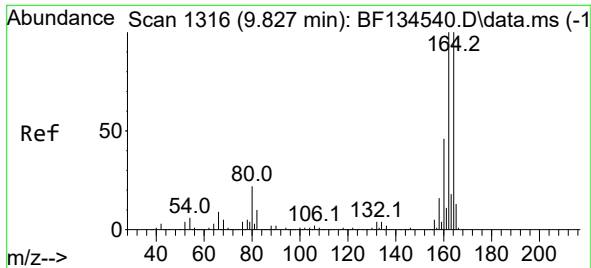
Tgt Ion:142 Resp: 228713

Ion Ratio Lower Upper

142 100

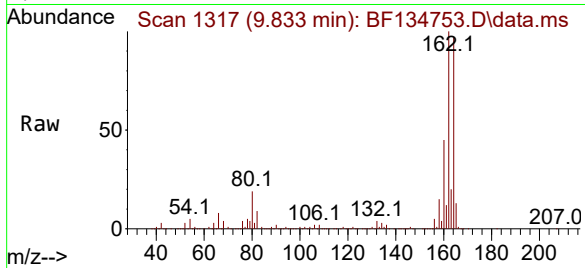
141 92.4 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

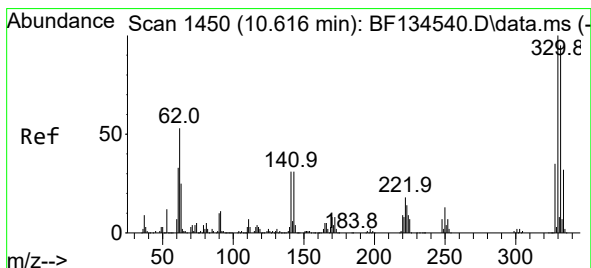
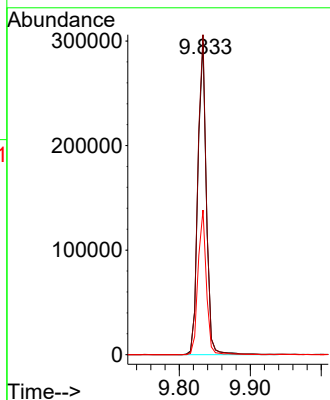
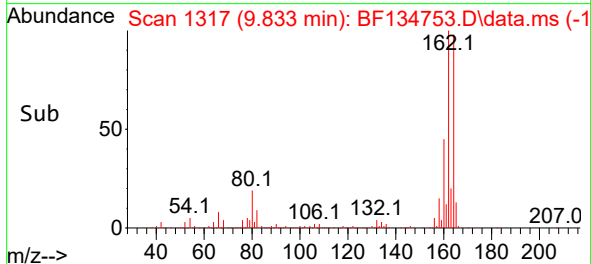
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2



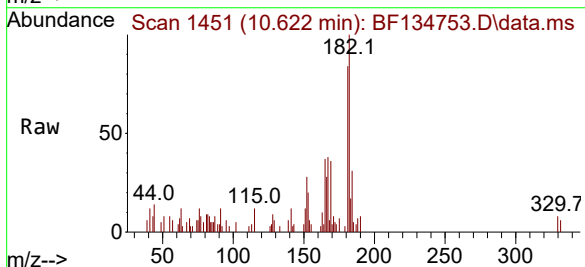
Tgt Ion:164 Resp: 24853
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 46.4 37.2 55.8

Manual Integrations
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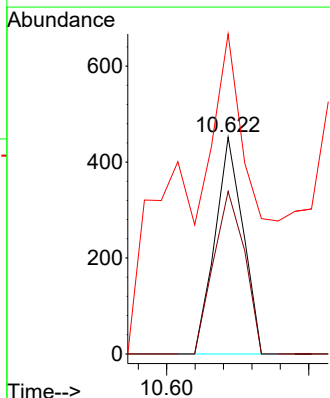
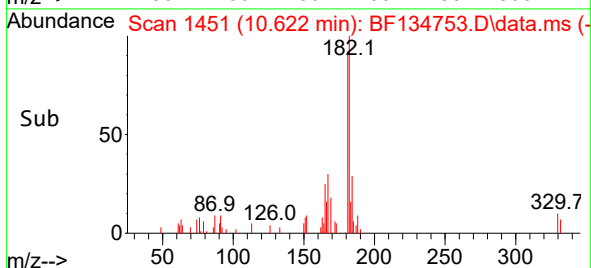
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

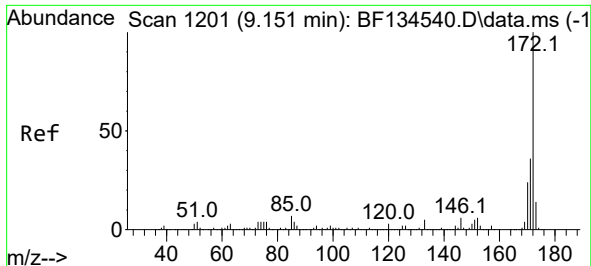


#42
2,4,6-Tribromophenol
Concen: 0.122 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35



Tgt Ion:330 Resp: 310
Ion Ratio Lower Upper
330 100
332 82.9 78.8 118.2
141 383.2 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.238 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

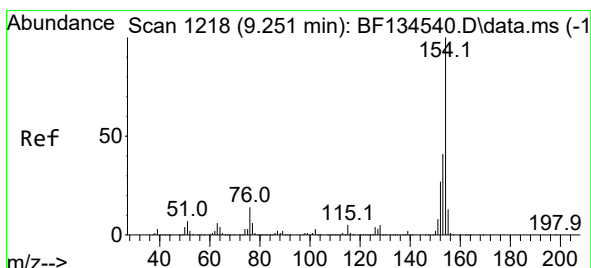
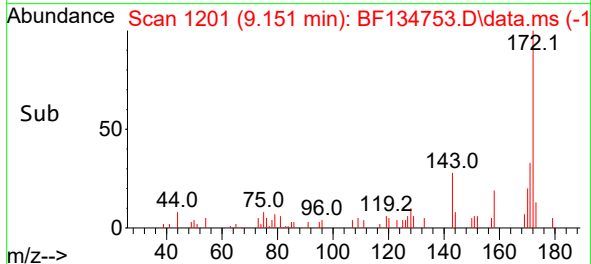
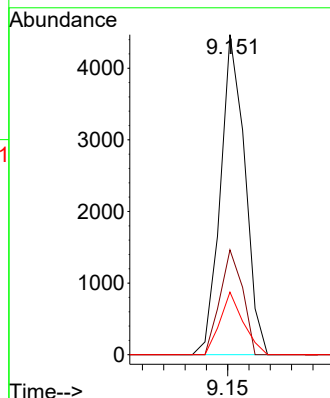
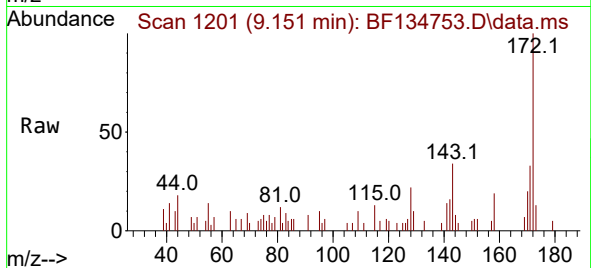
NEVINS-SB02-Z93-94DL2

Tgt Ion:	172	Resp:	355
Ion Ratio	Lower	Upper	
172	100		
171	32.7	28.8	43.2
170	19.5	18.7	28.1

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#46

1,1'-Biphenyl

Concen: 2.386 ng

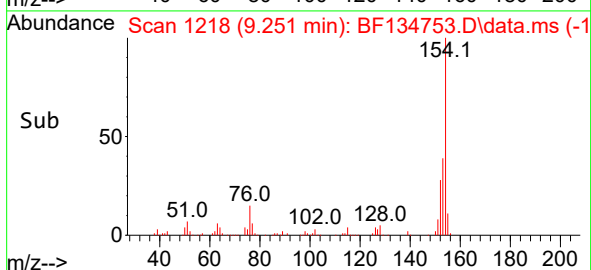
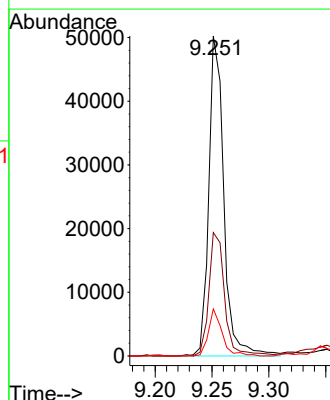
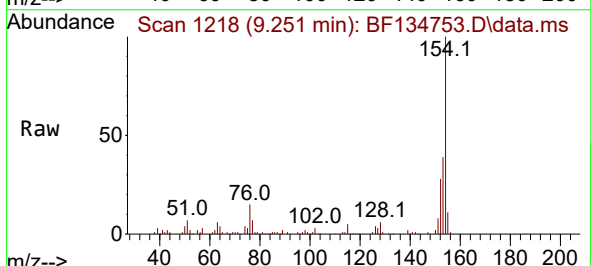
RT: 9.251 min Scan# 1218

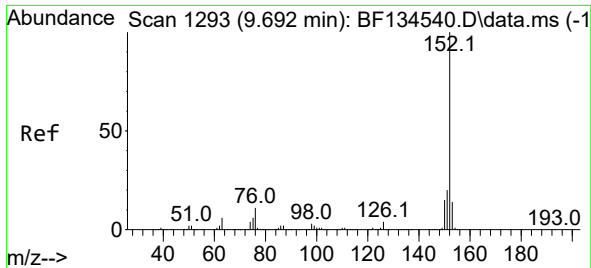
Delta R.T. -0.012 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

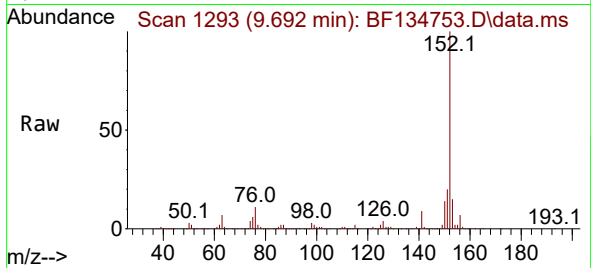
Tgt Ion:	154	Resp:	46111
Ion Ratio	Lower	Upper	
154	100		
153	38.6	20.8	60.8
76	14.7	0.0	30.2





#49
Acenaphthylene
Concen: 9.941 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

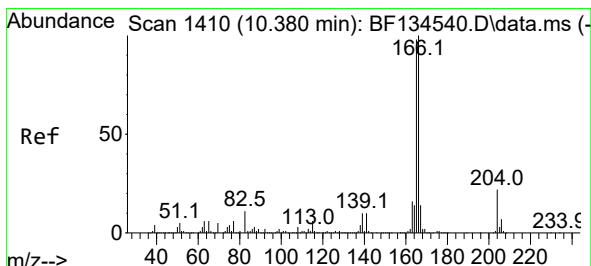
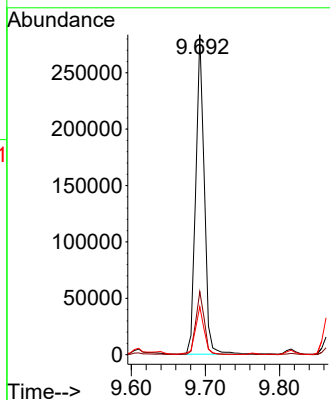
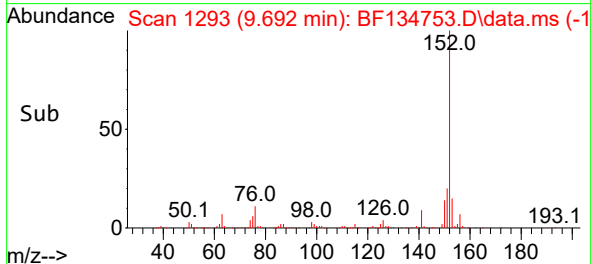
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2



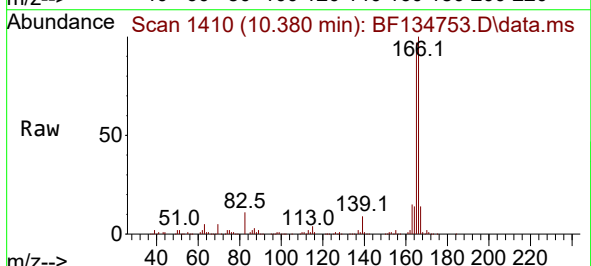
Tgt Ion:152 Resp: 226278
Ion Ratio Lower Upper
152 100
151 19.7 16.4 24.6
153 15.0 10.9 16.3

Manual Integrations
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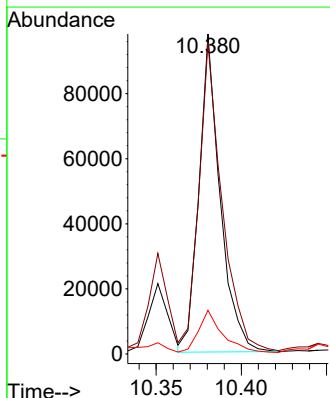
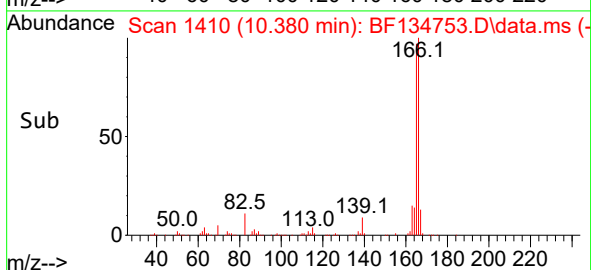
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

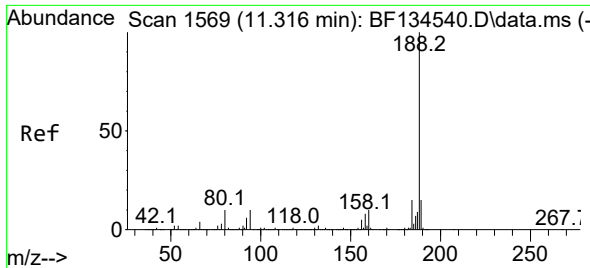


#58
Fluorene
Concen: 5.516 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35



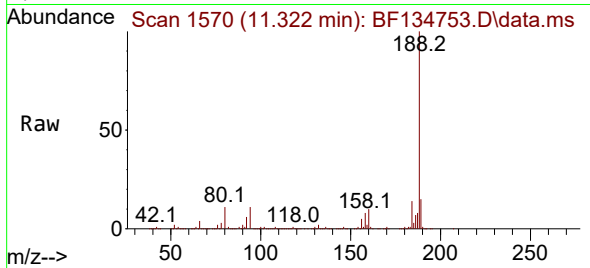
Tgt Ion:166 Resp: 84370
Ion Ratio Lower Upper
166 100
165 97.2 74.5 111.7
167 13.7 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35

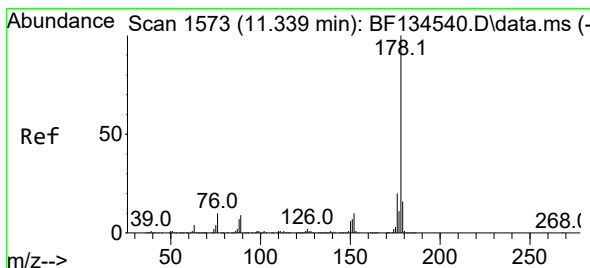
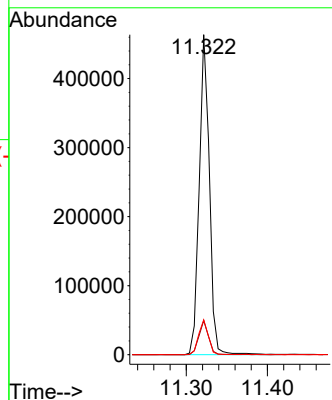
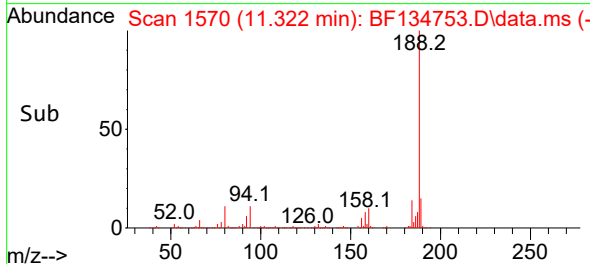
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB02-Z93-94DL2



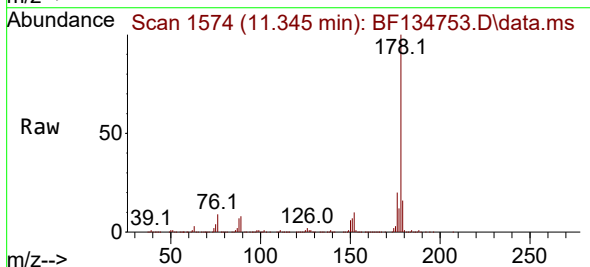
Tgt Ion:188 Resp: 404942
Ion Ratio Lower Upper
188 100
94 10.6 5.1 7.7
80 10.9 6.6 9.8

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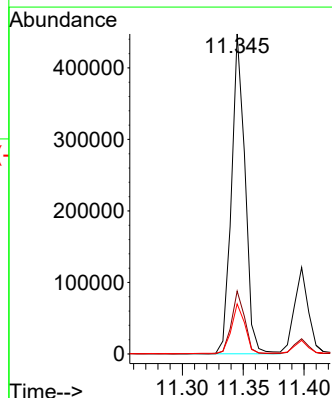
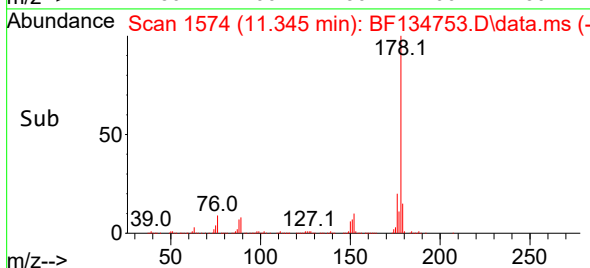
Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023

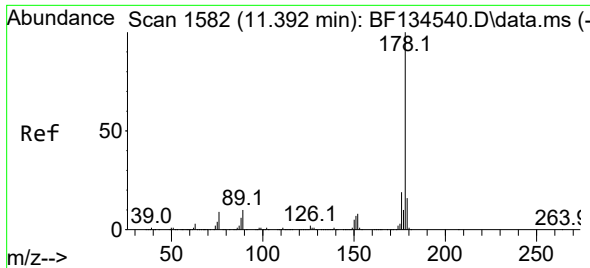


#71
Phenanthrene
Concen: 16.143 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134753.D
Acq: 14 Aug 2023 11:35



Tgt Ion:178 Resp: 347213
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.6
179 15.6 12.7 19.1





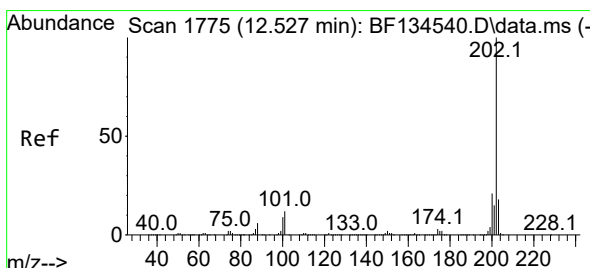
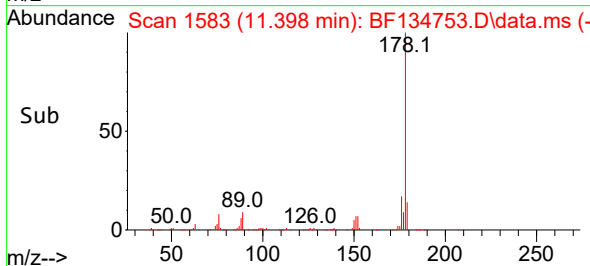
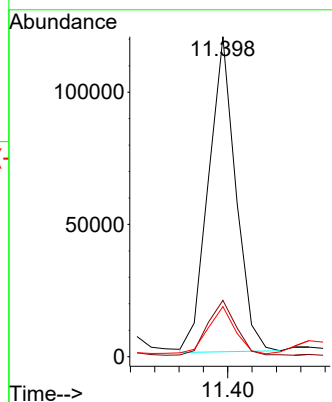
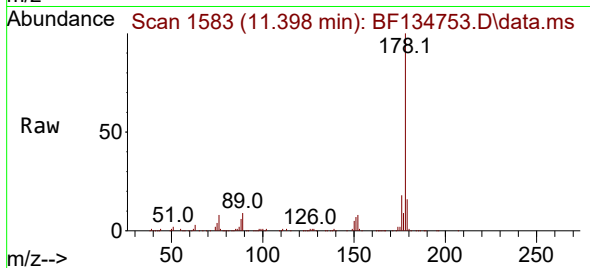
#72
 Anthracene
 Concen: 4.238 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF134753.D
 Acq: 14 Aug 2023 11:35

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB02-Z93-94DL2

Tgt Ion:178	Resp:	93110
Ion Ratio	Lower	Upper
178	100	
176	17.6	14.6 21.8
179	15.7	12.3 18.5

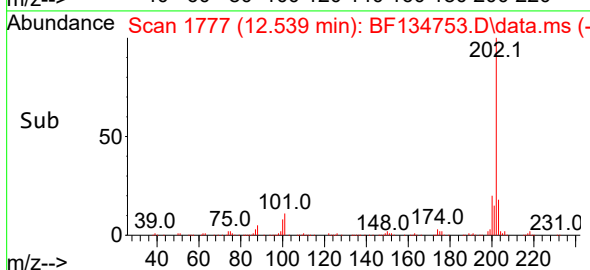
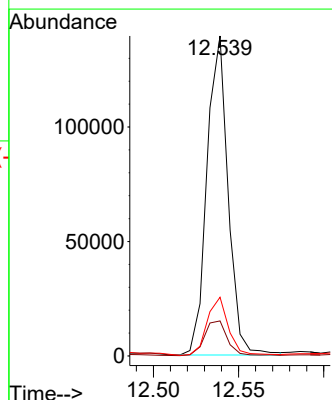
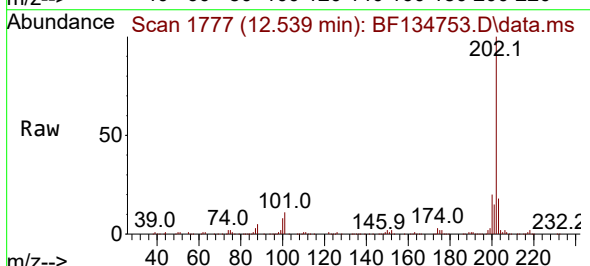
Manual Integrations
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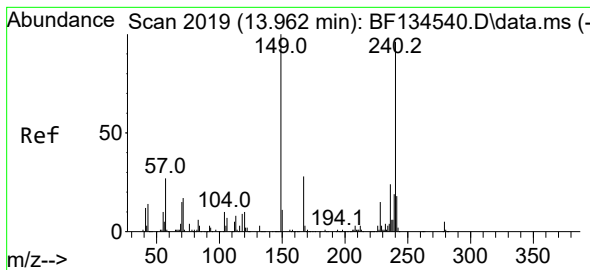
Reviewed By :Yogesh Patel 08/15/2023
 Supervised By :Sohil Jodhani 08/15/2023



#75
 Fluoranthene
 Concen: 5.303 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF134753.D
 Acq: 14 Aug 2023 11:35

Tgt Ion:202	Resp:	120474
Ion Ratio	Lower	Upper
202	100	
101	11.0	0.0 28.5
203	18.4	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: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2

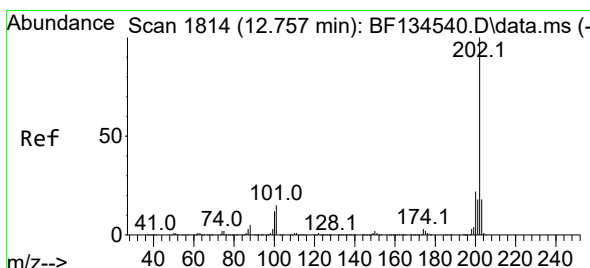
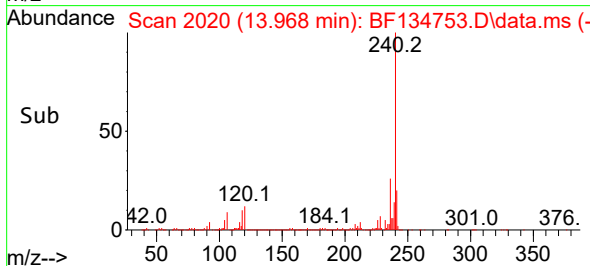
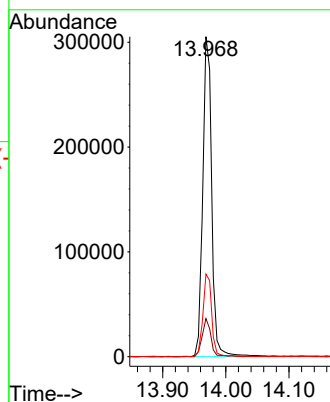
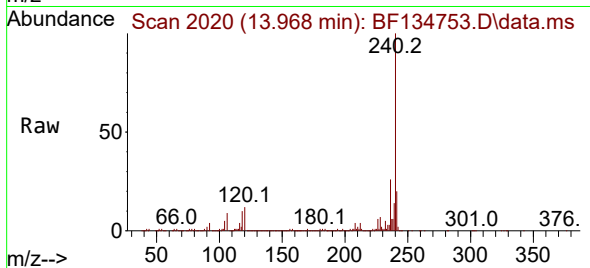
Tgt Ion:	240	Resp:	300809
Ion Ratio	Lower	Upper	
240	100		
120	11.9	6.6	10.0
236	25.8	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#78

Pyrene

Concen: 7.157 ng

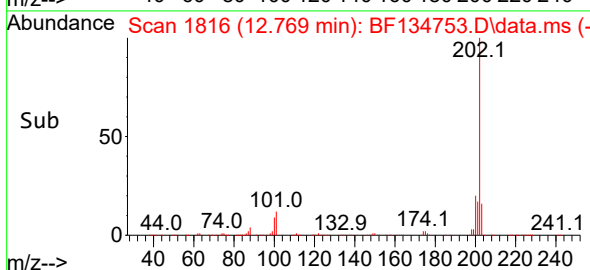
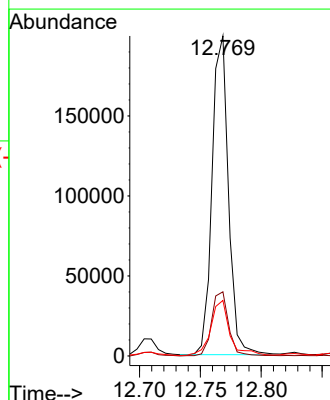
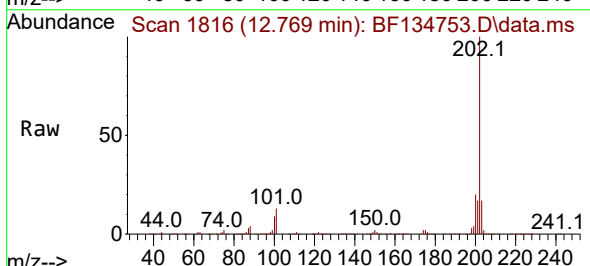
RT: 12.769 min Scan# 1816

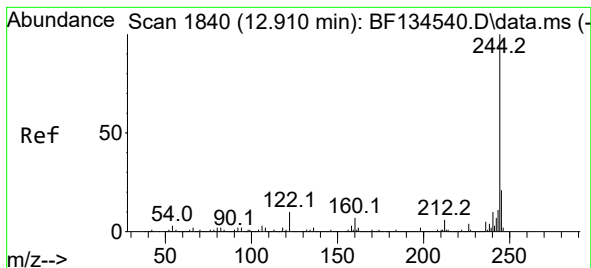
Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Tgt Ion:	202	Resp:	186288
Ion Ratio	Lower	Upper	
202	100		
200	20.1	15.8	23.8
203	17.4	13.5	20.3





#79

Terphenyl-d14

Concen: 0.206 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF134753.D

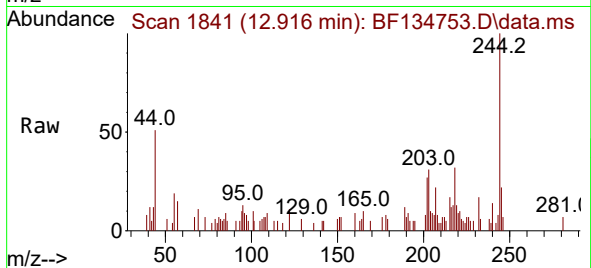
Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB02-Z93-94DL2



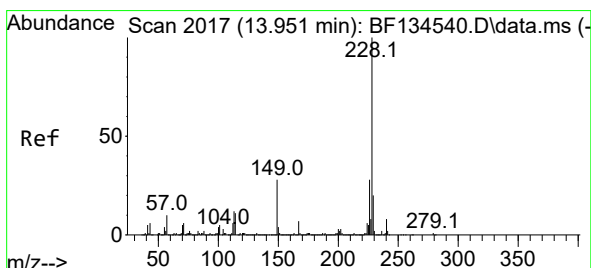
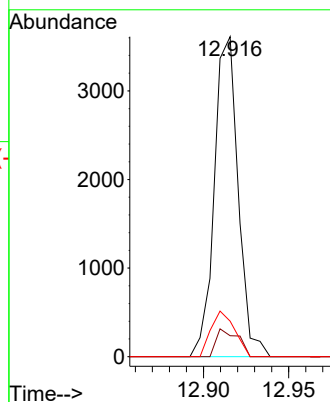
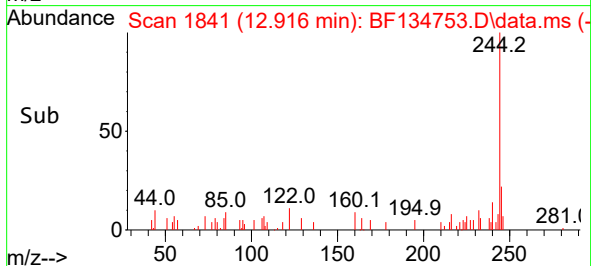
Tgt Ion:	244	Resp:	351
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.6	8.4
122	11.1	8.0	12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2023

Supervised By :Sohil Jodhani 08/15/2023



#81

Benzo(a)anthracene

Concen: 2.417 ng m

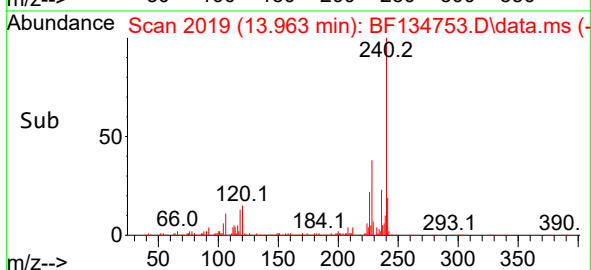
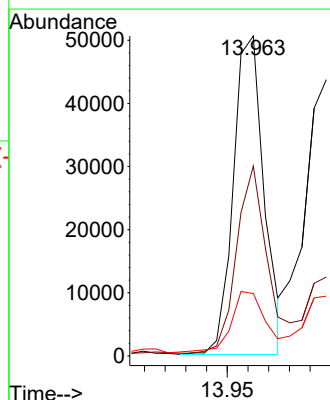
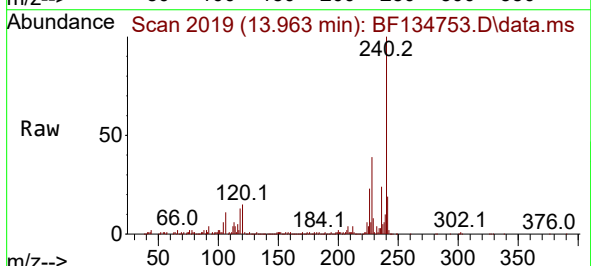
RT: 13.963 min Scan# 2019

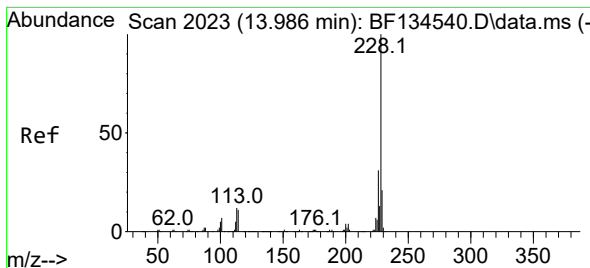
Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Tgt Ion:	228	Resp:	51990
Ion Ratio	Lower	Upper	
228	100		
226	59.4	22.3	33.5
229	19.5	15.8	23.6





#83

Chrysene

Concen: 2.316 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

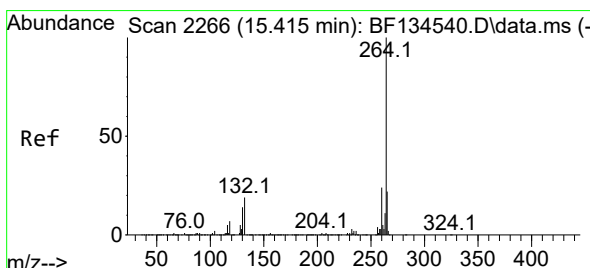
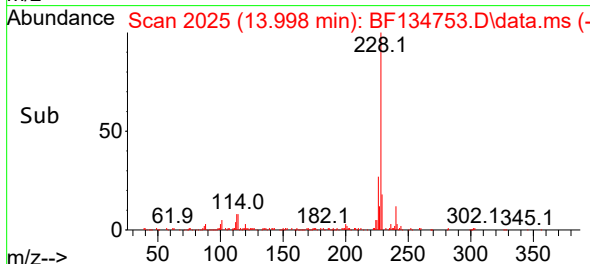
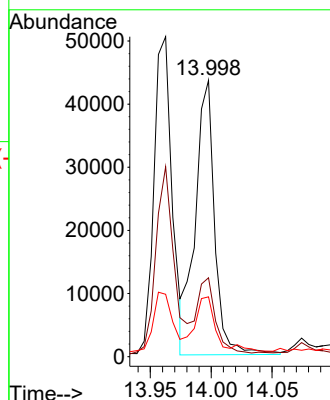
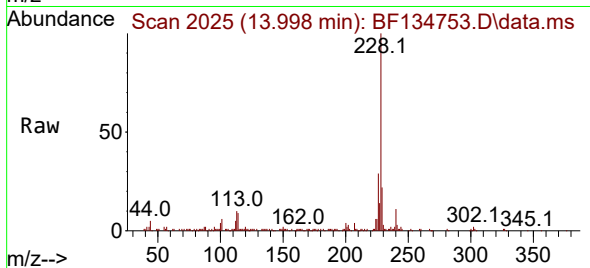
NEVINS-SB02-Z93-94DL2

Tgt Ion:228	Resp: 4853
Ion Ratio	Lower Upper
228 100	
226 28.5	24.5 36.7
229 21.6	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2023
Supervised By :Sohil Jodhani 08/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF134753.D

Acq: 14 Aug 2023 11:35

Tgt Ion:264	Resp: 227289
Ion Ratio	Lower Upper
264 100	
260 23.0	18.4 27.6
265 21.4	15.8 23.8

