

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134814.D
 Acq On : 16 Aug 2023 18:04
 Operator : CG\JU
 Sample : 03994-02DL2 500X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB06-Z36-37DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/17/2023
 Supervised By :mohammad ahmed 08/17/2023

Quant Time: Aug 17 01:35:47 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	148607	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	557875	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	239879	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	367565	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	266157	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	197868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	830	0.085	ng	0.00
7) Phenol-d6	6.434	99	1115	0.089	ng	0.00
23) Nitrobenzene-d5	7.357	82	1375	0.154	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	151	0.062	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	2571	0.178	ng	-0.01
79) Terphenyl-d14	12.916	244	2981	0.197	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.104	128	1545543	55.124	ng	99
37) 2-Methylnaphthalene	8.792	142	425332	22.886	ng	99
38) 1-Methylnaphthalene	8.892	142	248180	14.361	ng	99
46) 1,1'-Biphenyl	9.257	154	57957	3.107	ng	95
52) Acenaphthene	9.869	154	151461	10.638	ng	99
58) Fluorene	10.380	166	68954	4.671	ng	96
71) Phenanthrene	11.345	178	284414	14.568	ng	99
72) Anthracene	11.398	178	77391	3.881	ng	98
75) Fluoranthene	12.539	202	110050	5.336	ng	96
78) Pyrene	12.769	202	172762	7.501	ng	98
81) Benzo(a)anthracene	13.963	228	48322m	2.539	ng	
83) Chrysene	13.998	228	38712	2.088	ng	98
90) Benzo(a)pyrene	15.380	252	25433	2.260	ng	# 93

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

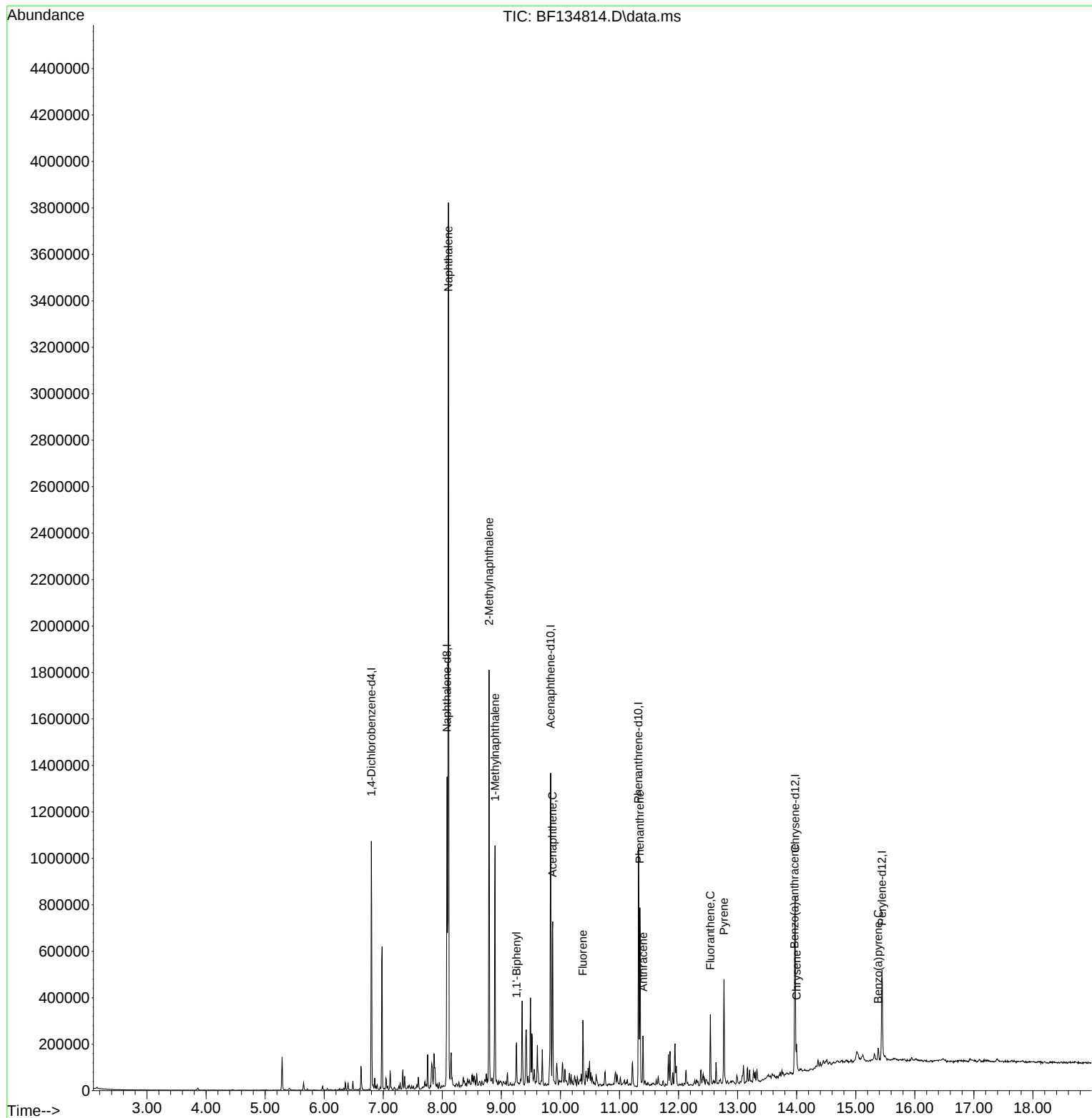
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
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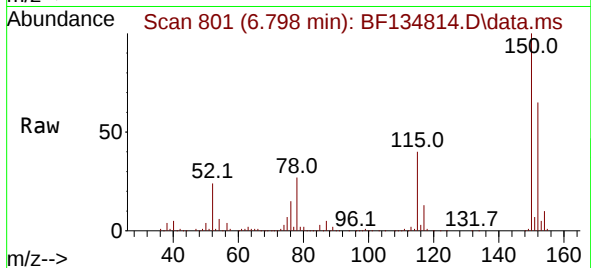
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

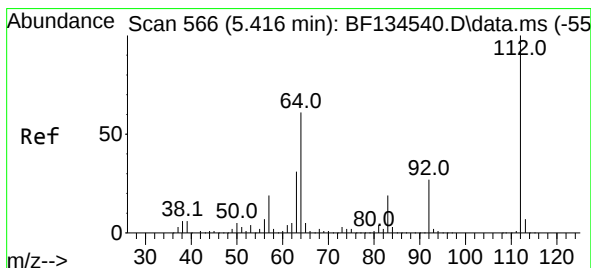
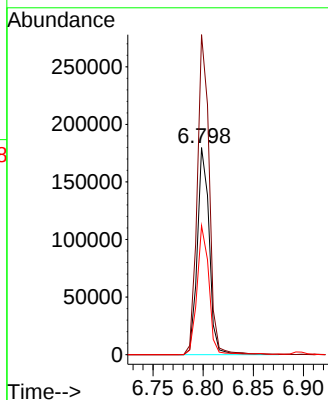
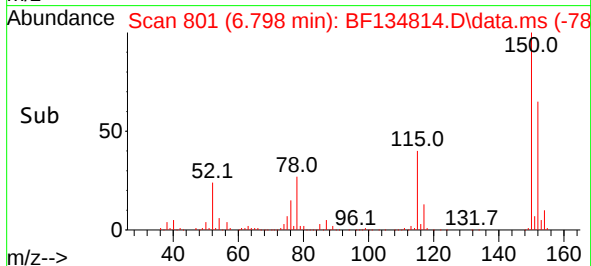
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



Tgt Ion:152 Resp: 14860
Ion Ratio Lower Upper
152 100
150 154.6 128.3 192.5
115 62.3 52.4 78.6

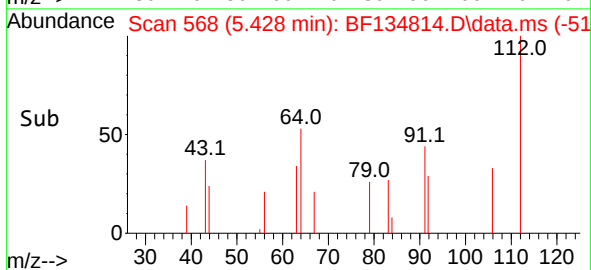
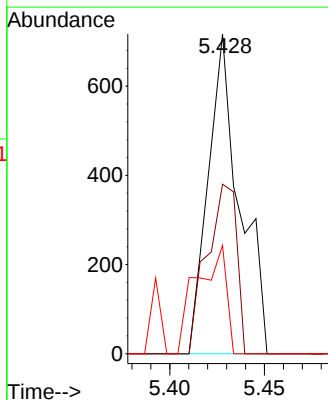
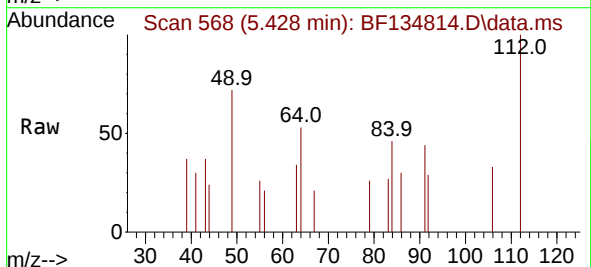
Manual Integrations
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#5
2-Fluorophenol
Concen: 0.085 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

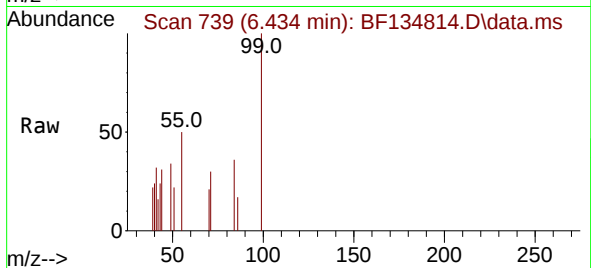
Tgt Ion:112 Resp: 830
Ion Ratio Lower Upper
112 100
64 53.0 44.9 67.3
63 33.9 25.4 38.0





#7
Phenol-d6
Concen: 0.089 ng
RT: 6.434 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

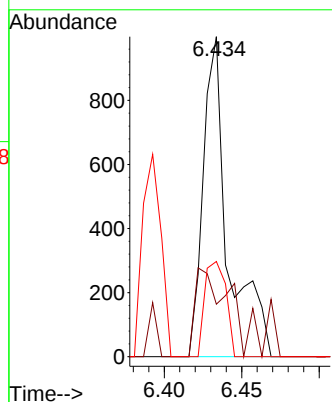
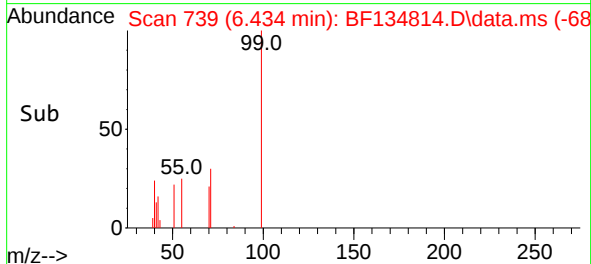
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



Tgt Ion: 99 Resp: 111
Ion Ratio Lower Upper
99 100
42 16.4 18.7 28.1
71 29.7 36.4 54.6

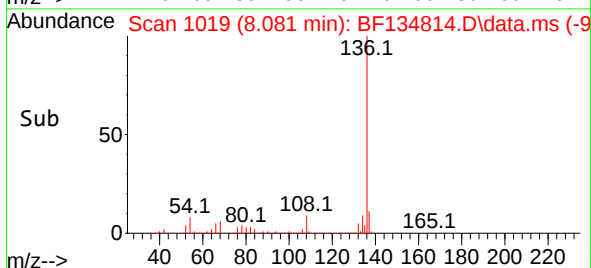
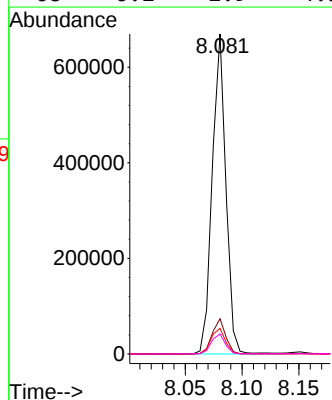
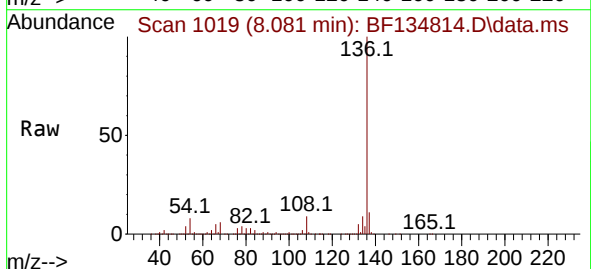
Manual Integrations
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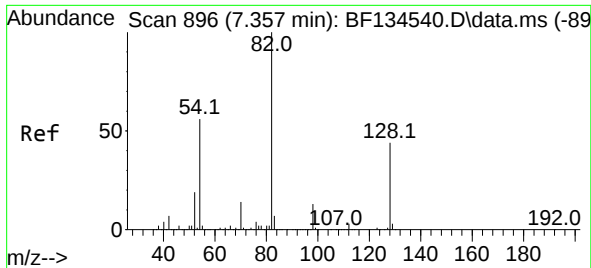
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

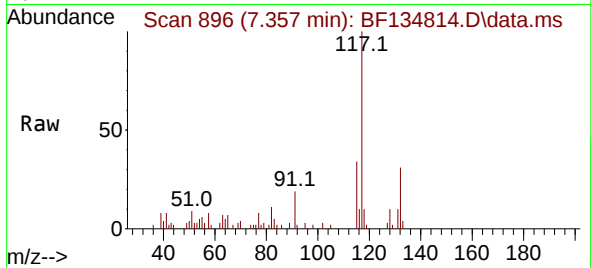
Tgt Ion:136 Resp: 557875
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 8.0 5.2 7.8#
68 6.2 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 0.154 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

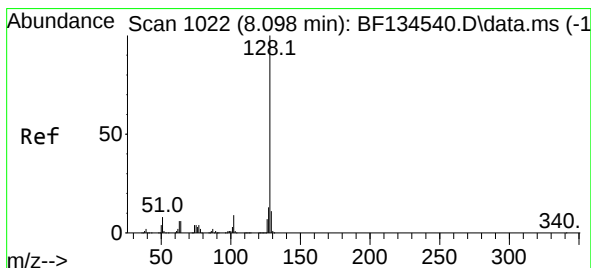
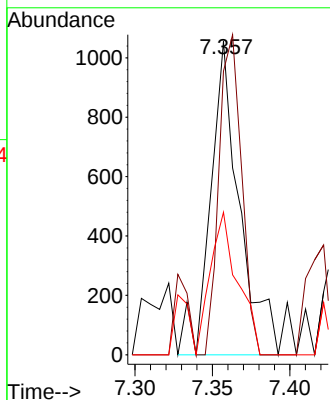
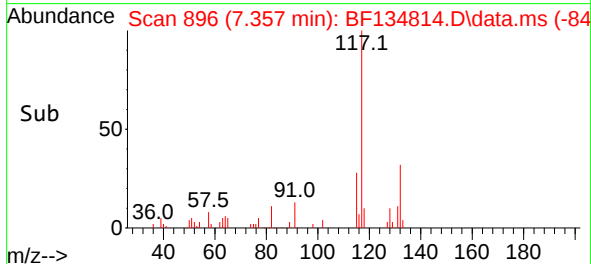
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



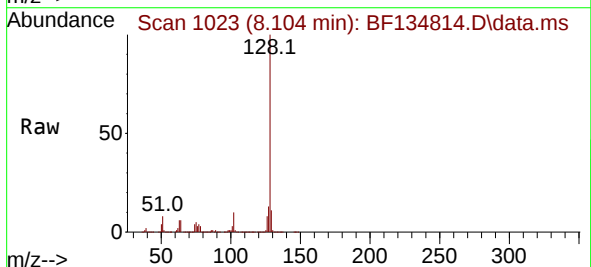
Tgt Ion: 82 Resp: 1379
Ion Ratio Lower Upper
82 100
128 90.4 34.3 51.5
54 45.5 43.8 65.6

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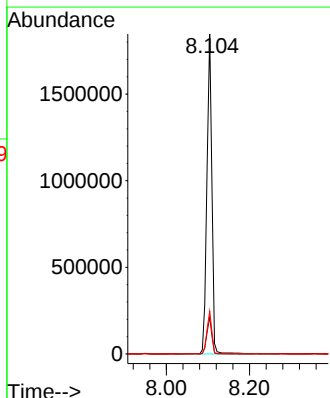
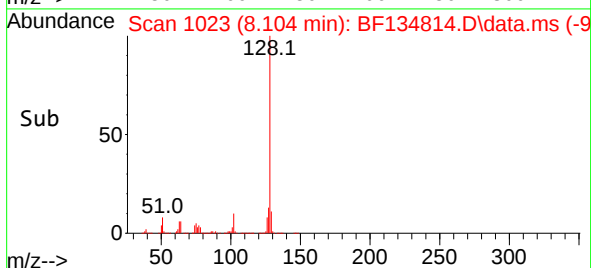
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

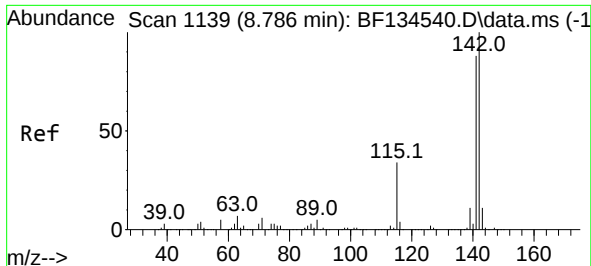


#31
Naphthalene
Concen: 55.124 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04



Tgt Ion:128 Resp: 1545543
Ion Ratio Lower Upper
128 100
129 11.4 8.4 12.6
127 13.4 10.7 16.1





#37

2-Methylnaphthalene

Concen: 22.886 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

Tgt Ion:142 Resp: 42533

Ion Ratio Lower Upper

142 100

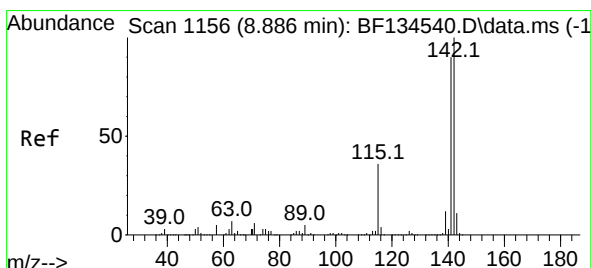
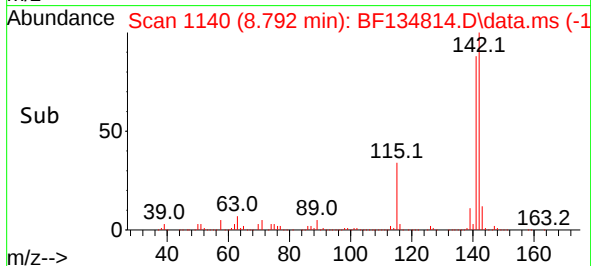
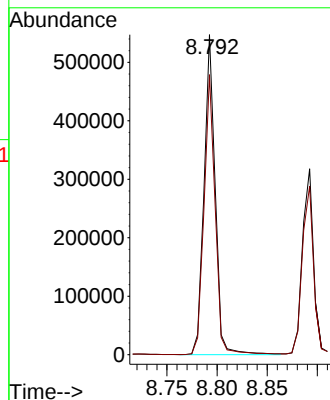
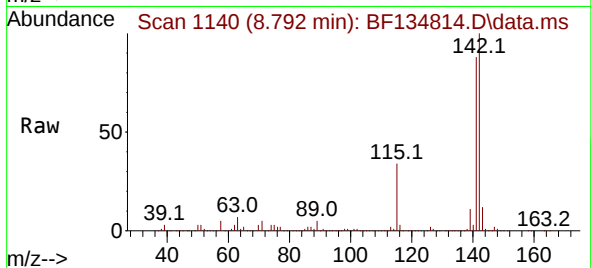
141 87.5 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#38

1-Methylnaphthalene

Concen: 14.361 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF134814.D

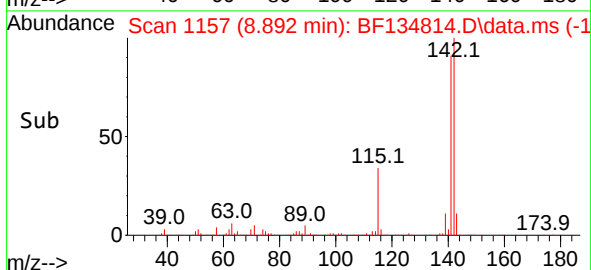
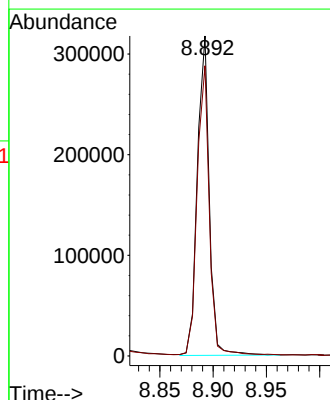
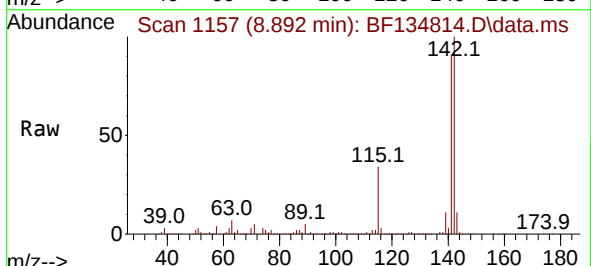
Acq: 16 Aug 2023 18:04

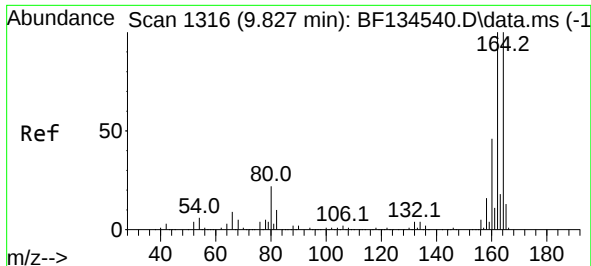
Tgt Ion:142 Resp: 248180

Ion Ratio Lower Upper

142 100

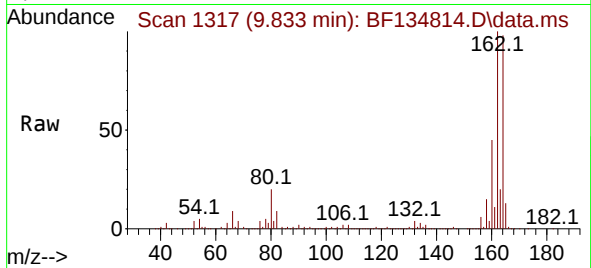
141 90.7 71.4 107.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

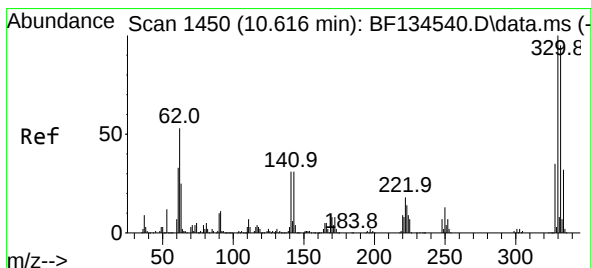
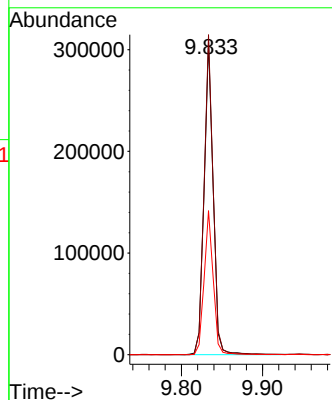
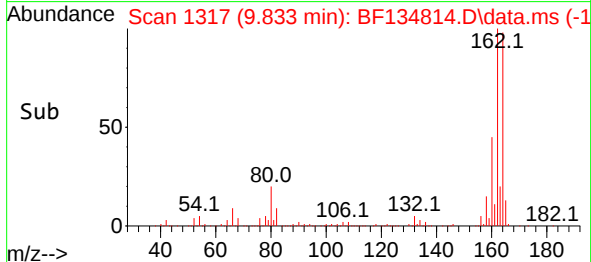
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



Tgt Ion:164 Resp: 239879
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 46.0 37.2 55.8

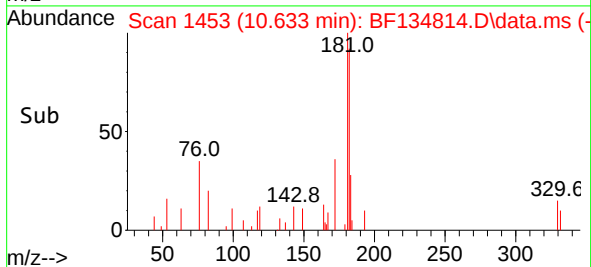
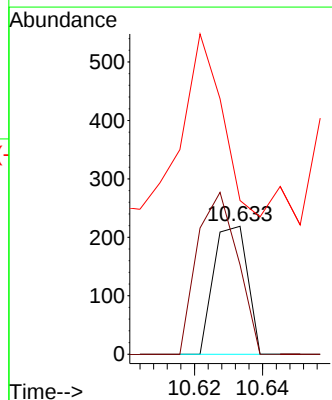
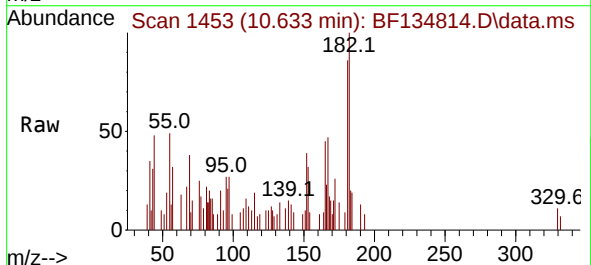
Manual Integrations
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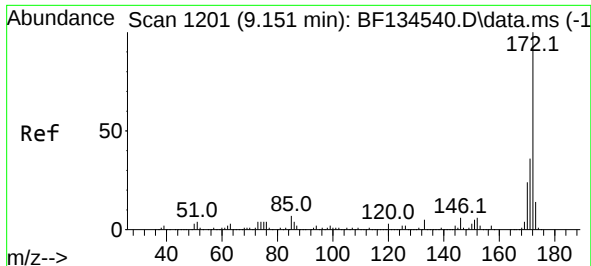
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#42
2,4,6-Tribromophenol
Concen: 0.062 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:330 Resp: 151
Ion Ratio Lower Upper
330 100
332 151.0 78.8 118.2#
141 167.5 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.178 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134814.D

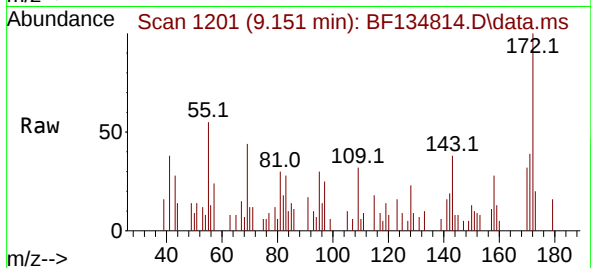
Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2



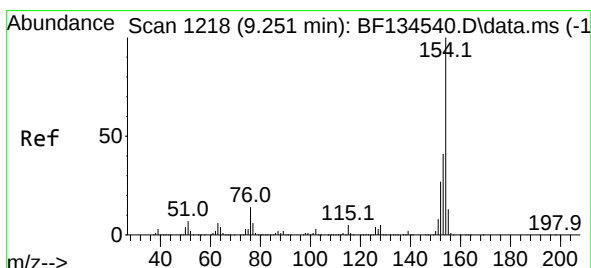
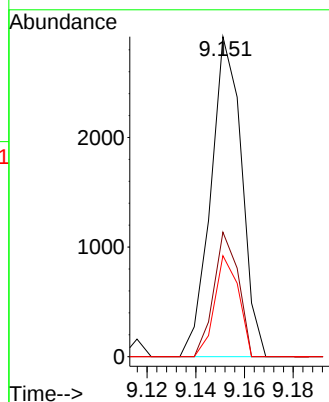
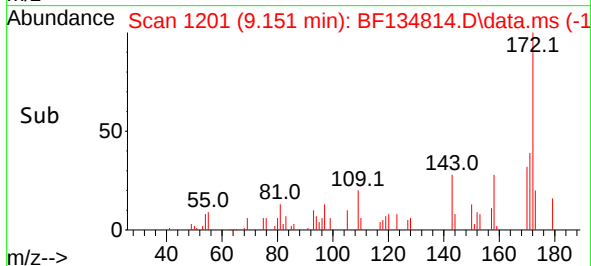
Tgt Ion:	172	Resp:	257
Ion Ratio	Lower	Upper	
172	100		
171	38.9	28.8	43.2
170	31.6	18.7	28.1

Manual Integrations

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#46

1,1'-Biphenyl

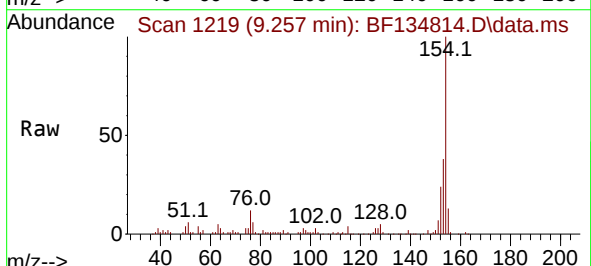
Concen: 3.107 ng

RT: 9.257 min Scan# 1219

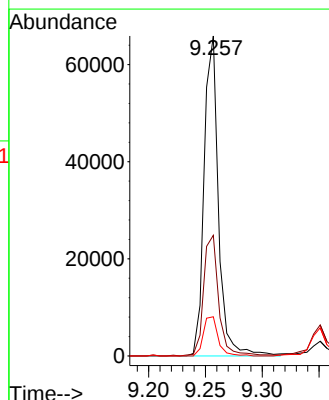
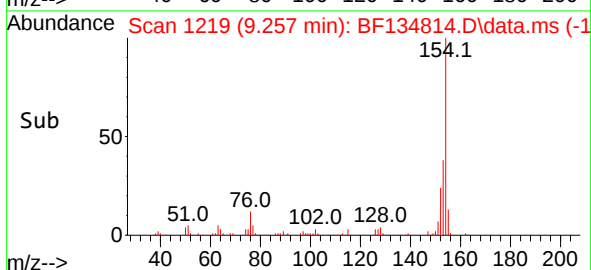
Delta R.T. -0.006 min

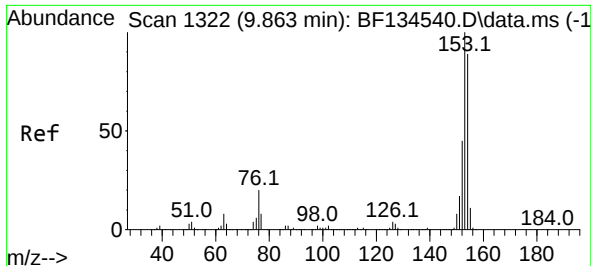
Lab File: BF134814.D

Acq: 16 Aug 2023 18:04



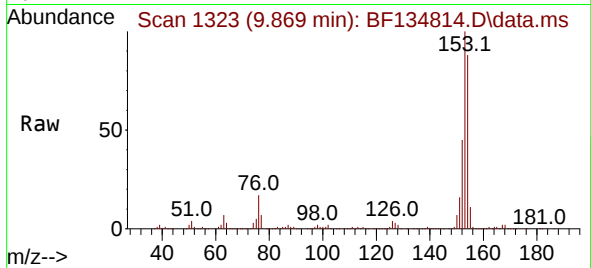
Tgt Ion:	154	Resp:	57957
Ion Ratio	Lower	Upper	
154	100		
153	37.7	20.8	60.8
76	12.3	0.0	30.2





#52
Acenaphthene
Concen: 10.638 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

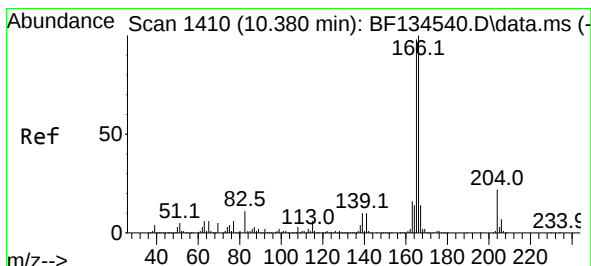
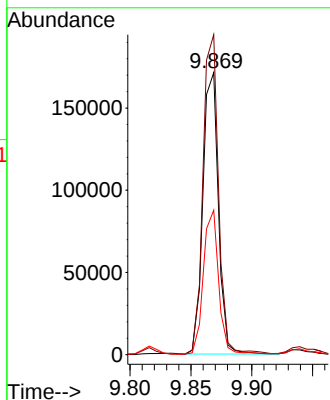
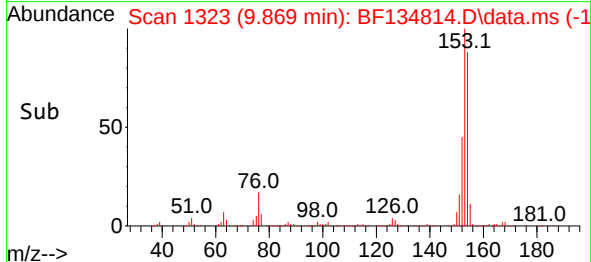
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



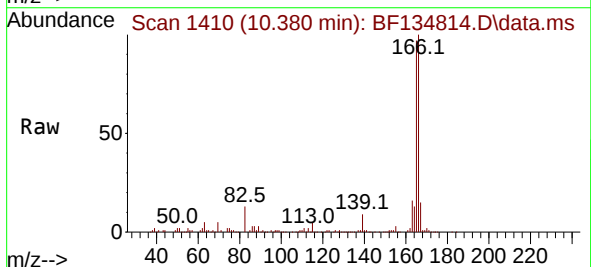
Tgt Ion:154 Resp: 15146
Ion Ratio Lower Upper
154 100
153 113.4 90.0 135.0
152 51.2 42.4 63.6

Manual Integrations
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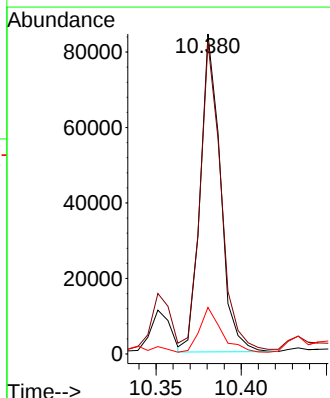
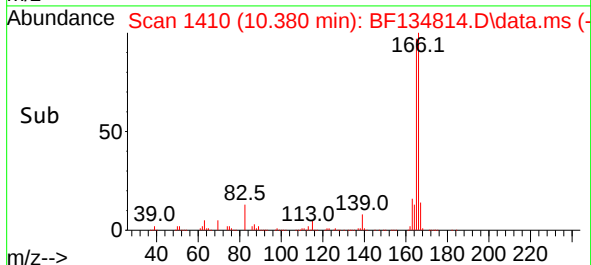
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

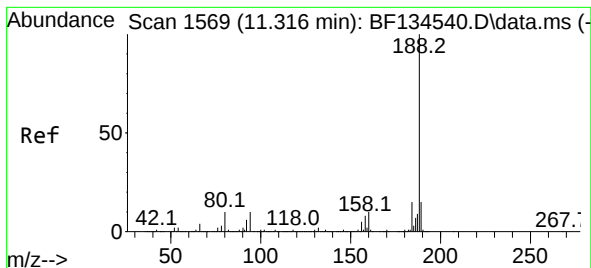


#58
Fluorene
Concen: 4.671 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04



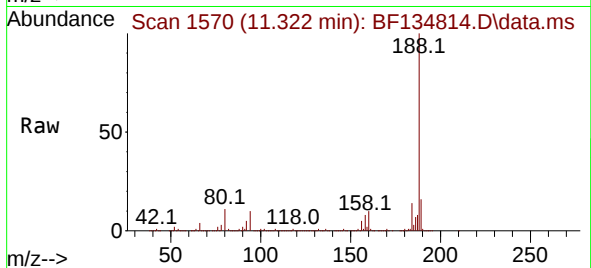
Tgt Ion:166 Resp: 68954
Ion Ratio Lower Upper
166 100
165 97.3 74.5 111.7
167 14.6 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

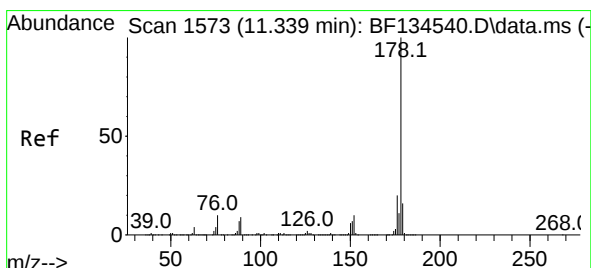
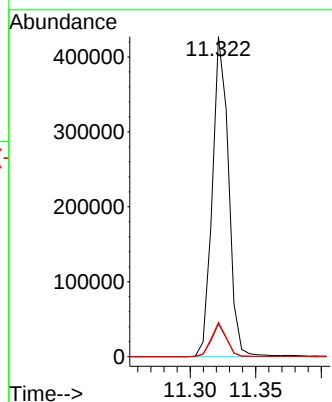
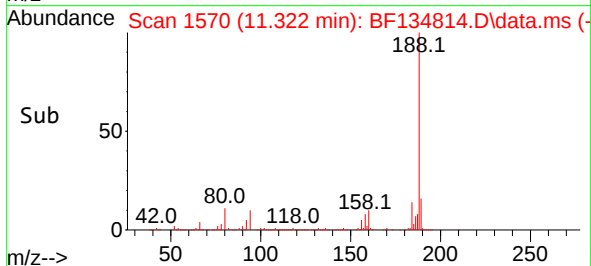
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



Tgt Ion:188 Resp: 367561
Ion Ratio Lower Upper
188 100
94 10.2 5.1 7.7
80 10.8 6.6 9.8

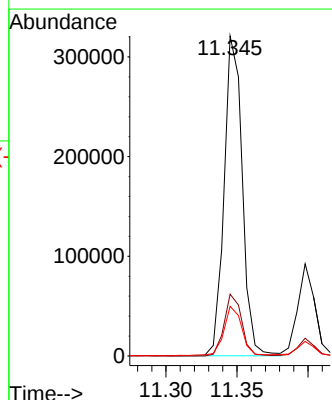
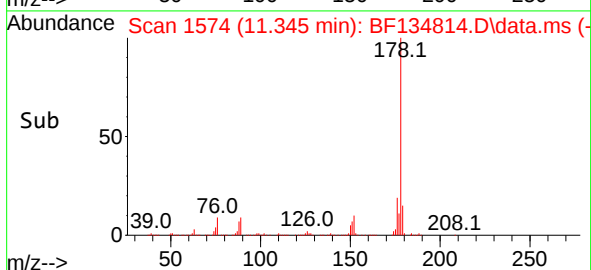
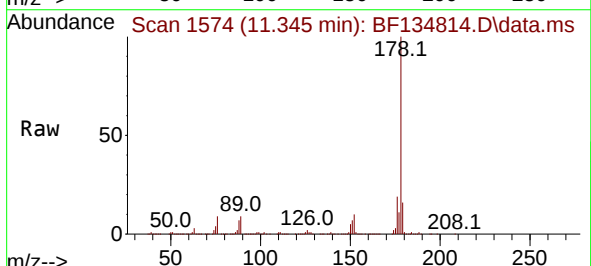
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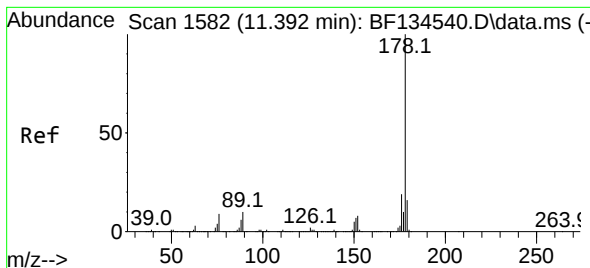
Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#71
Phenanthrene
Concen: 14.568 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Tgt Ion:178 Resp: 284414
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.6
179 15.5 12.7 19.1





#72

Anthracene

Concen: 3.881 ng

RT: 11.398 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

Tgt Ion:178 Resp: 7739

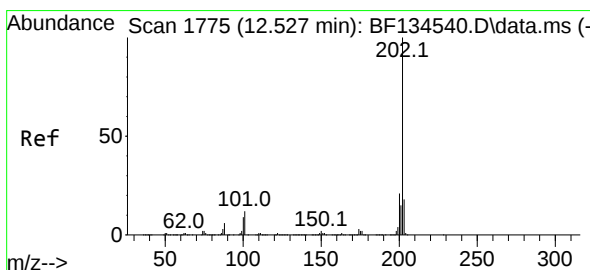
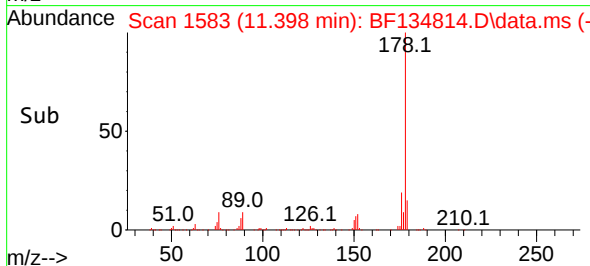
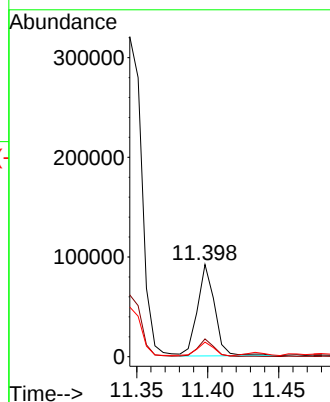
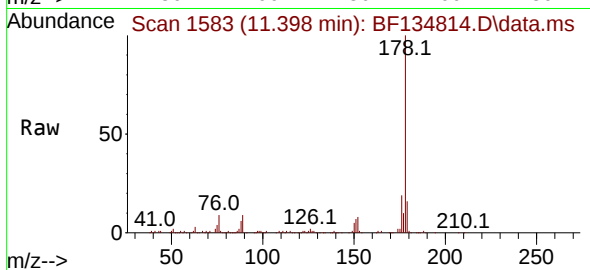
Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	21.8
179	15.8	12.3	18.5

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#75

Fluoranthene

Concen: 5.336 ng

RT: 12.539 min Scan# 1777

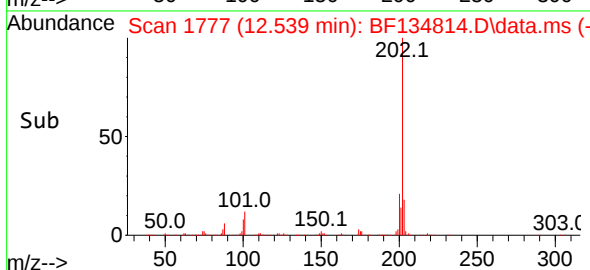
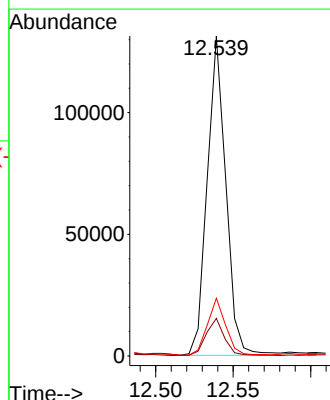
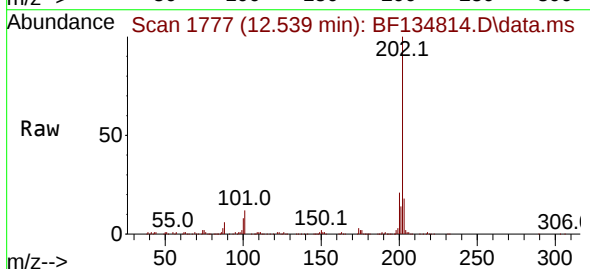
Delta R.T. 0.000 min

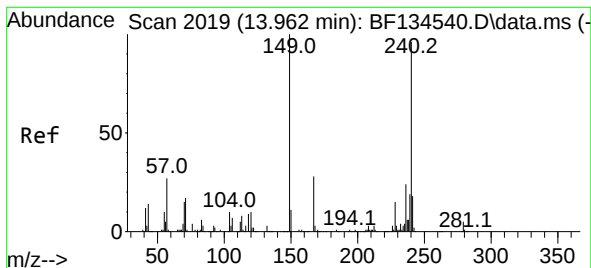
Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Tgt Ion:202 Resp: 110050

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	28.5
203	18.0	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2

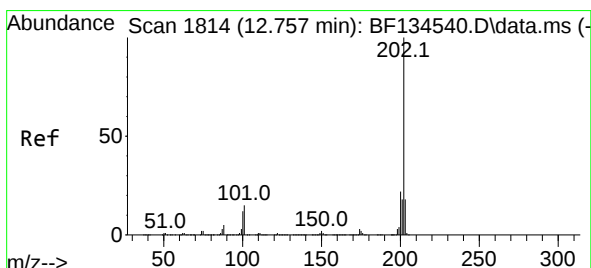
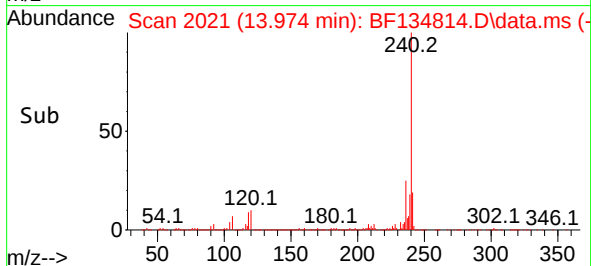
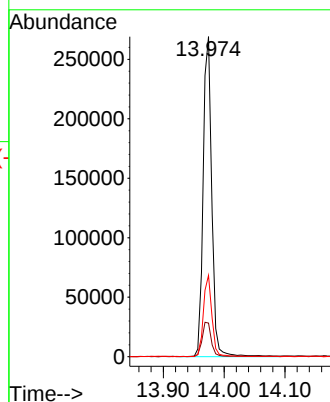
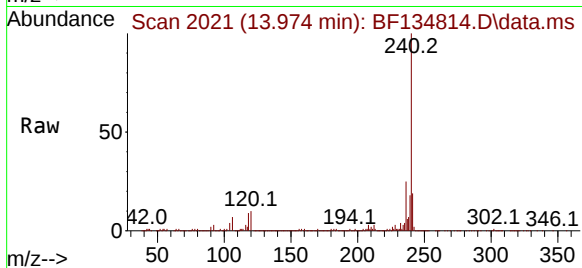
Tgt Ion:240 Resp: 26615
 Ion Ratio Lower Upper
 240 100
 120 10.5 6.6 10.0
 236 25.4 20.2 30.2

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#78

Pyrene

Concen: 7.501 ng

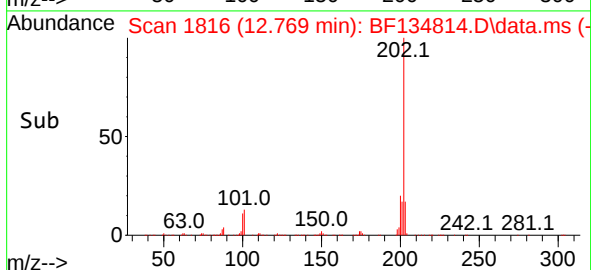
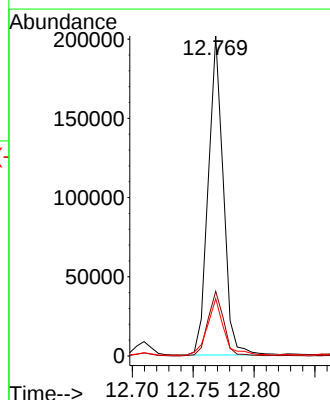
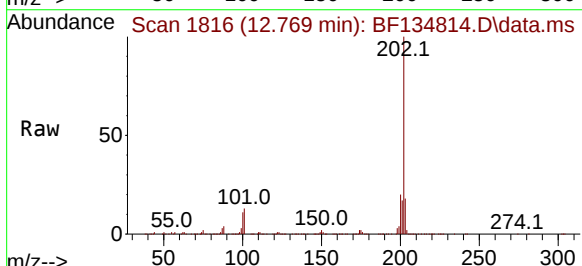
RT: 12.769 min Scan# 1816

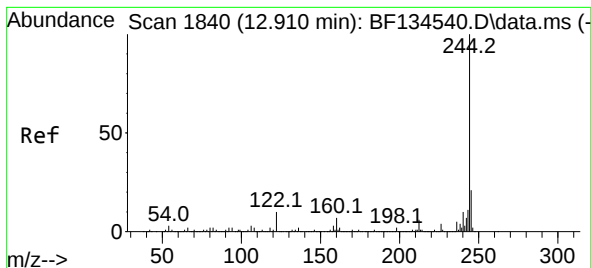
Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Tgt Ion:202 Resp: 172762
 Ion Ratio Lower Upper
 202 100
 200 20.2 15.8 23.8
 203 17.9 13.5 20.3





#79

Terphenyl-d14

Concen: 0.197 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF134814.D

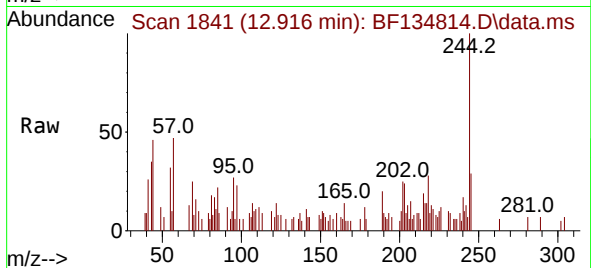
Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB06-Z36-37DL2



Tgt Ion:244 Resp: 298

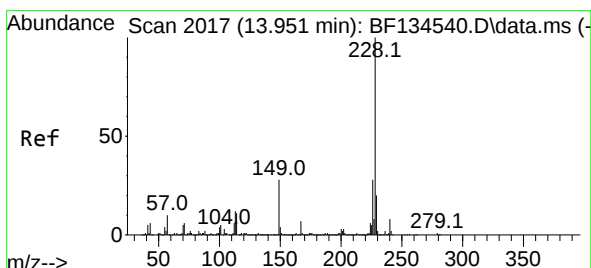
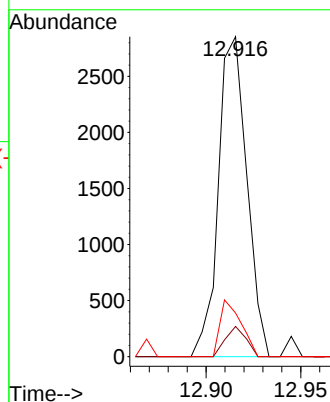
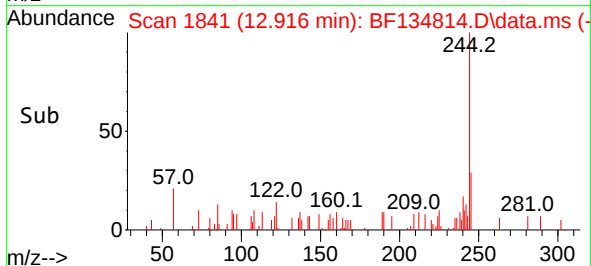
Ion	Ratio	Lower	Upper
244	100		
212	9.4	5.6	8.4
122	13.6	8.0	12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/17/2023

Supervised By :mohammad ahmed 08/17/2023



#81

Benzo(a)anthracene

Concen: 2.539 ng m

RT: 13.963 min Scan# 2019

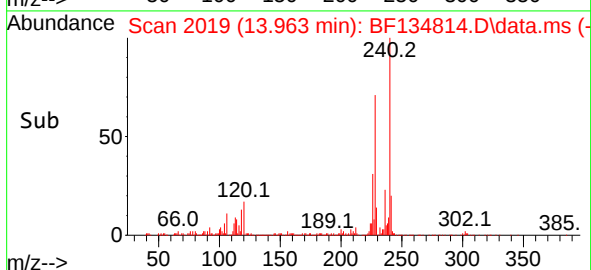
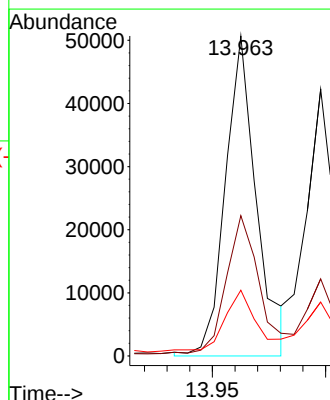
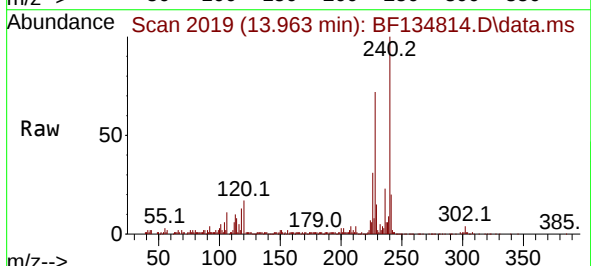
Delta R.T. 0.000 min

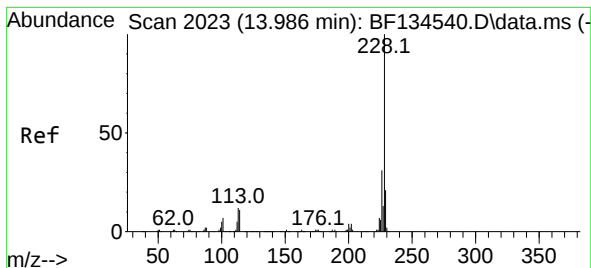
Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Tgt Ion:228 Resp: 48322

Ion	Ratio	Lower	Upper
228	100		
226	43.9	22.3	33.5
229	20.5	15.8	23.6





#83

Chrysene

Concen: 2.088 ng

RT: 13.998 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

Instrument :

BNA_F

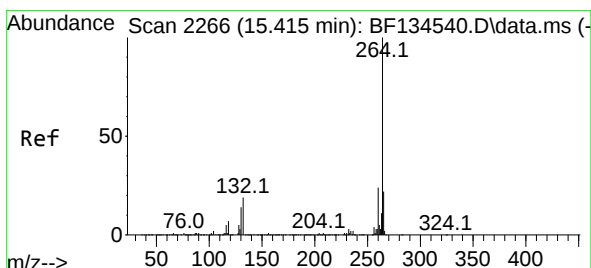
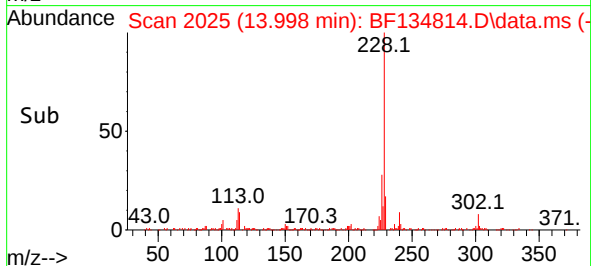
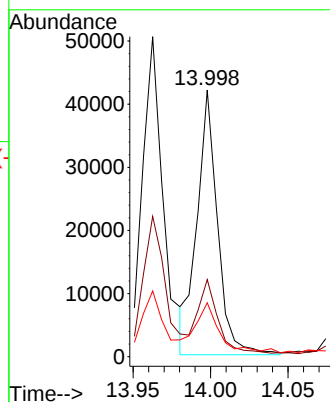
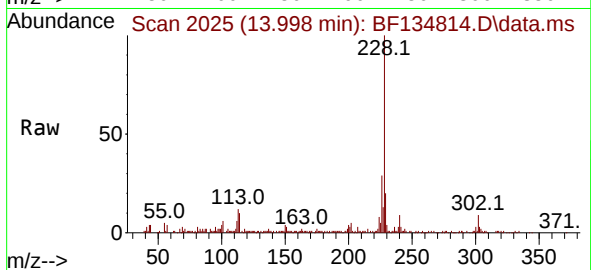
ClientSampleId :

NEVINS-SB06-Z36-37DL2

Tgt Ion:	228	Resp:	3871
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.5	36.7
229	20.2	15.8	23.8

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Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023



#86

Perylene-d12

Concen: 20.000 ng

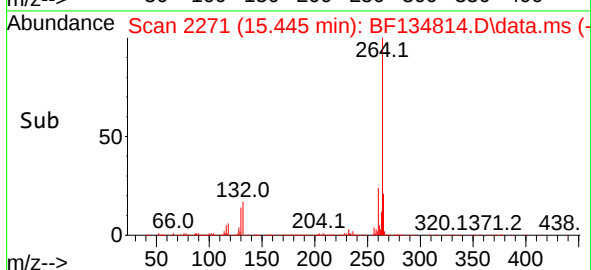
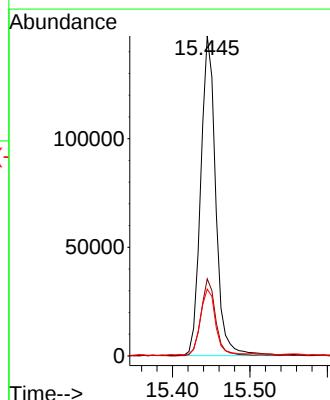
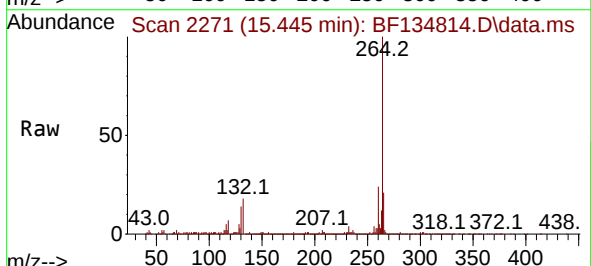
RT: 15.445 min Scan# 2271

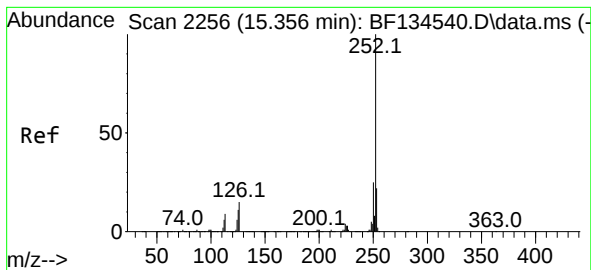
Delta R.T. 0.006 min

Lab File: BF134814.D

Acq: 16 Aug 2023 18:04

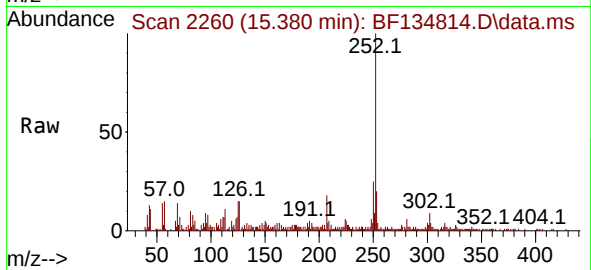
Tgt Ion:	264	Resp:	197868
Ion Ratio	Lower	Upper	
264	100		
260	24.1	18.4	27.6
265	20.9	15.8	23.8





#90
Benzo(a)pyrene
Concen: 2.260 ng
RT: 15.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134814.D
Acq: 16 Aug 2023 18:04

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB06-Z36-37DL2



Tgt Ion:252 Resp: 2543
Ion Ratio Lower Upper
252 100
253 20.3 17.0 25.4
125 15.4 6.2 9.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/17/2023
Supervised By :mohammad ahmed 08/17/2023

