

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
 Data File : BF134785.D
 Acq On : 15 Aug 2023 15:31
 Operator : CG\JU
 Sample : 03975-01DL2 200X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z10-12DL2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/16/2023
 Supervised By :Sohil Jodhani 08/16/2023

Quant Time: Aug 16 03:11:16 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	169949	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	685905	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	371033	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	611016	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	407349	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	339169	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	1478	0.132	ng	0.00
7) Phenol-d6	6.422	99	2077	0.145	ng	-0.02
23) Nitrobenzene-d5	7.351	82	1749	0.159	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	617	0.163	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	4497	0.202	ng	-0.01
79) Terphenyl-d14	12.910	244	4524	0.196	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.104	128	1679916	48.732	ng	99
37) 2-Methylnaphthalene	8.792	142	496802	21.742	ng	99
38) 1-Methylnaphthalene	8.886	142	305416	14.374	ng	96
46) 1,1'-Biphenyl	9.251	154	76877	2.664	ng	97
52) Acenaphthene	9.863	154	227643	10.337	ng	97
58) Fluorene	10.380	166	113305	4.962	ng	95
71) Phenanthrene	11.345	178	469028	14.452	ng	100
72) Anthracene	11.398	178	121628	3.669	ng	99
75) Fluoranthene	12.533	202	152794	4.457	ng	96
78) Pyrene	12.763	202	238361	6.762	ng	98
81) Benzo(a)anthracene	13.957	228	67342m	2.312	ng	
83) Chrysene	13.992	228	58174	2.050	ng	98
90) Benzo(a)pyrene	15.374	252	42209	2.188	ng	# 95

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

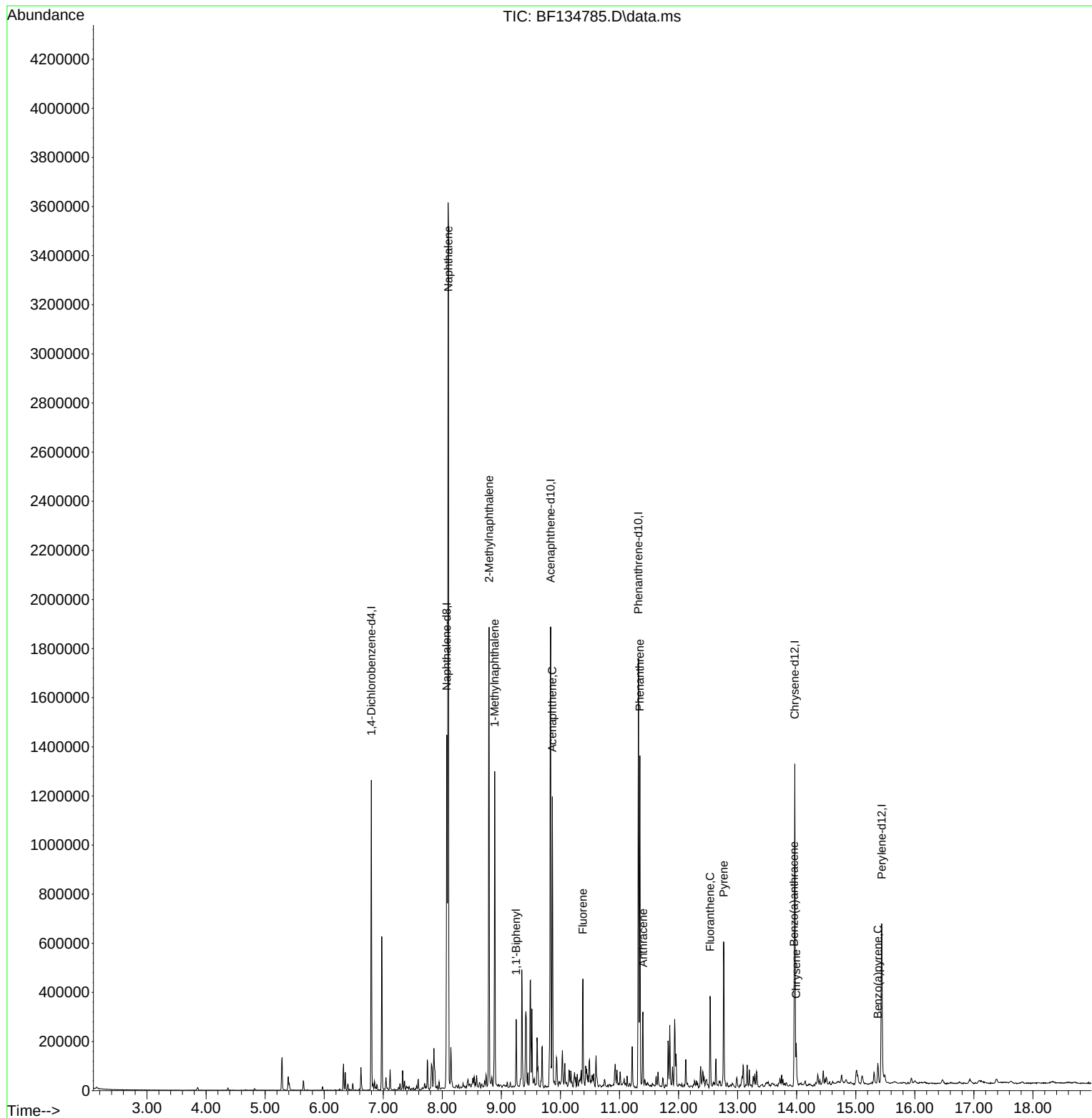
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081523\
Data File : BF134785.D
Acq On : 15 Aug 2023 15:31
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ALS Vial : 4 Sample Multiplier: 1

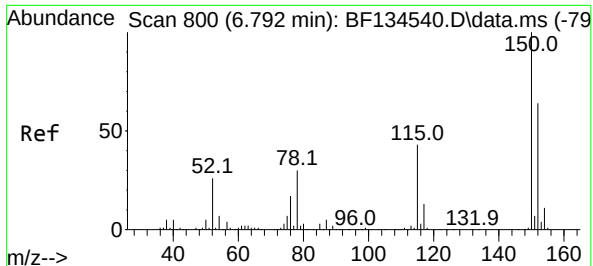
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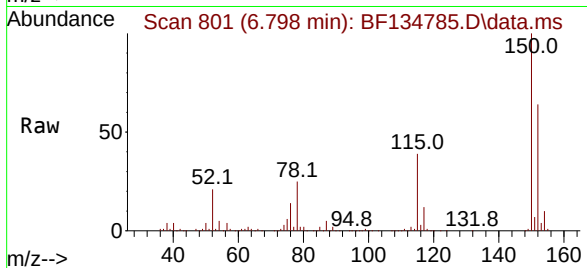
Quant Time: Aug 16 03:11:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 09:29:15 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

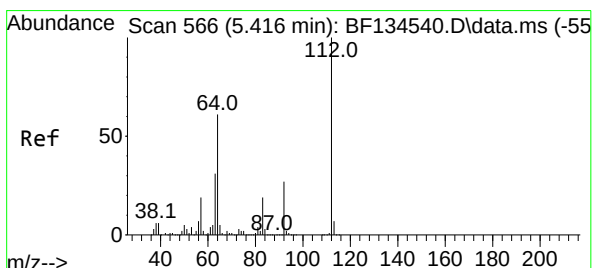
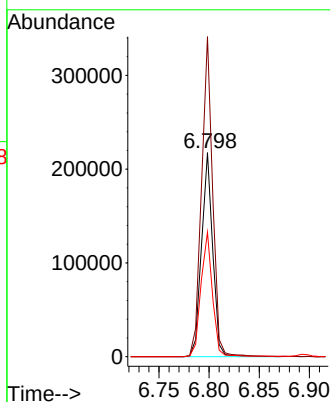
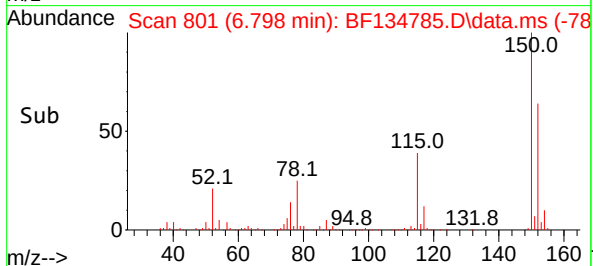
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2



Tgt Ion:152 Resp: 169949
Ion Ratio Lower Upper
152 100
150 156.8 128.3 192.5
115 61.0 52.4 78.6

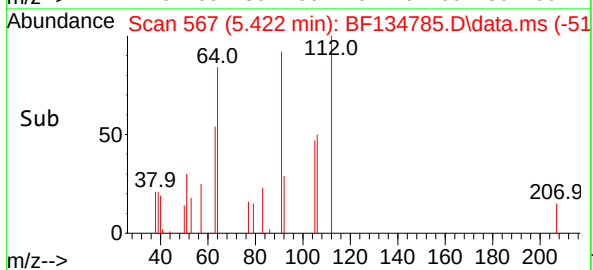
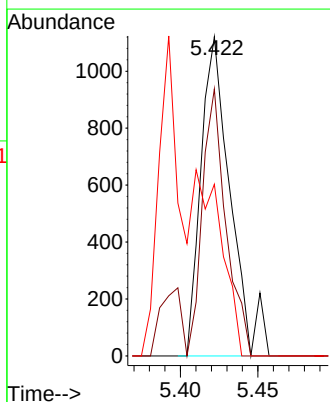
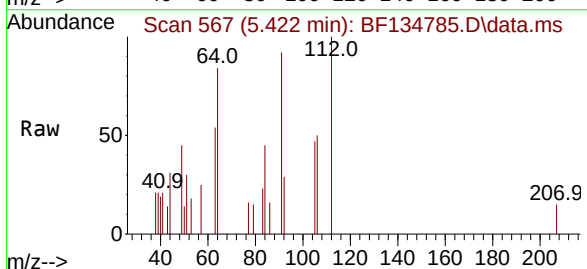
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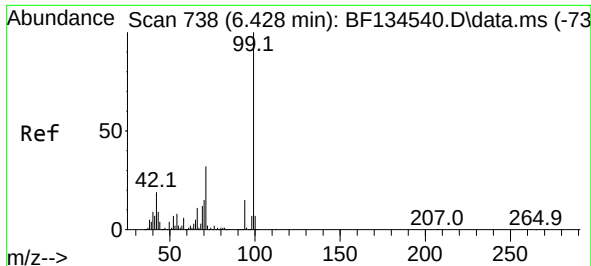
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#5
2-Fluorophenol
Concen: 0.132 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

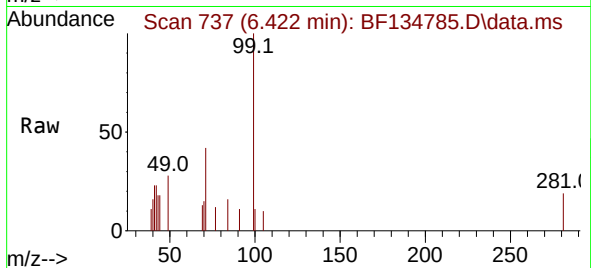
Tgt Ion:112 Resp: 1478
Ion Ratio Lower Upper
112 100
64 83.7 44.9 67.3#
63 53.8 25.4 38.0#





#7
Phenol-d6
Concen: 0.145 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

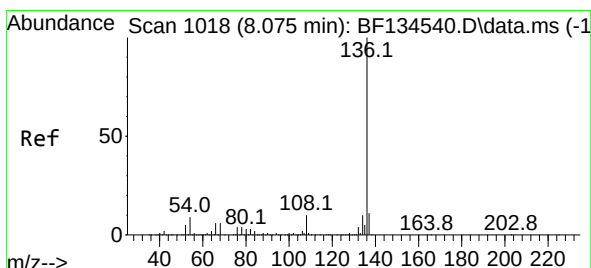
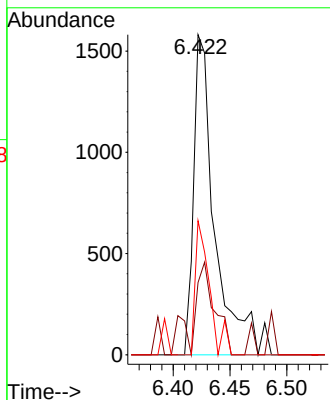
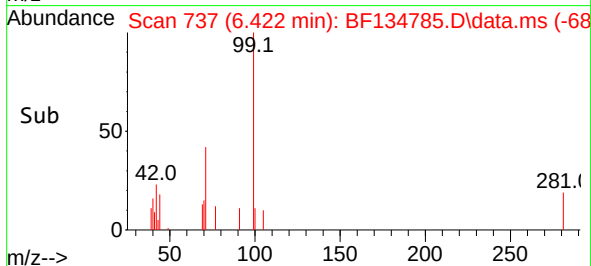
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2



Tgt Ion: 99 Resp: 207
Ion Ratio Lower Upper
99 100
42 22.6 18.7 28.1
71 41.9 36.4 54.6

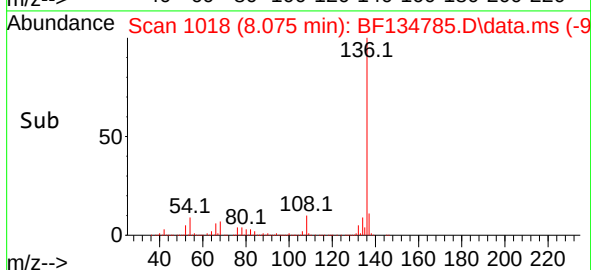
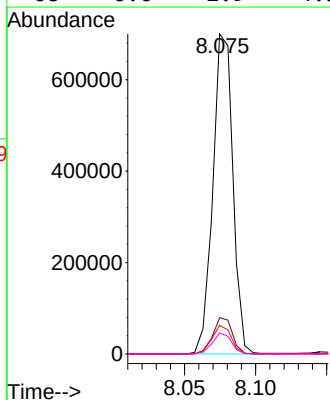
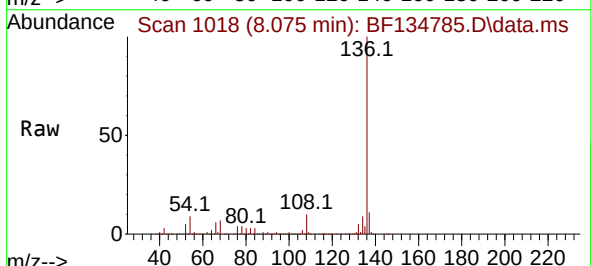
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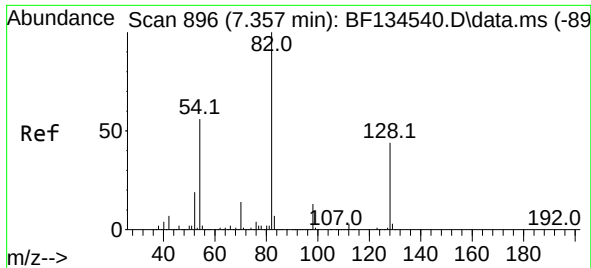
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

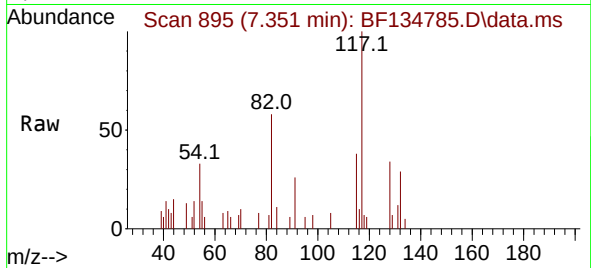
Tgt Ion:136 Resp: 685905
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 8.9 5.2 7.8#
68 6.6 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 0.159 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

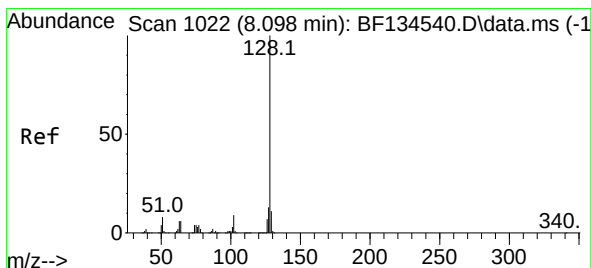
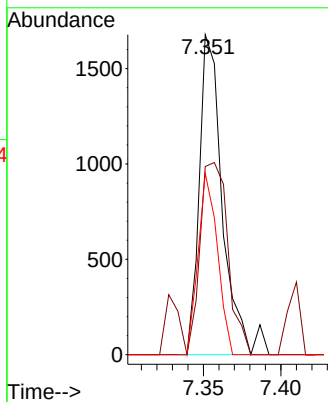
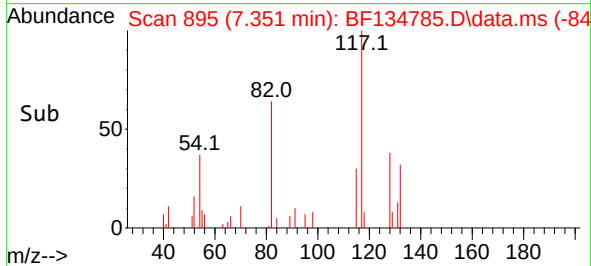
Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2



Tgt Ion: 82 Resp: 1749
Ion Ratio Lower Upper
82 100
128 58.8 34.3 51.5
54 56.7 43.8 65.6

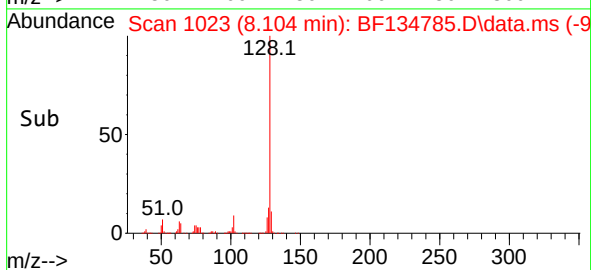
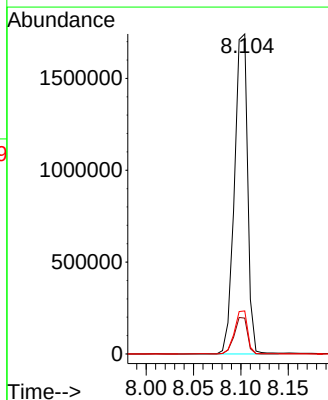
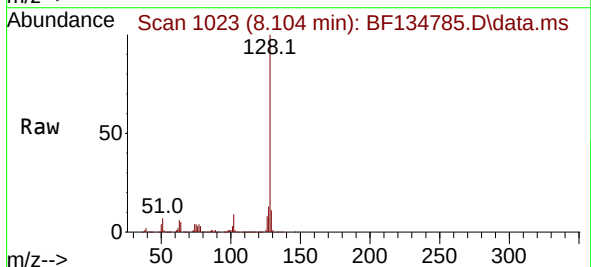
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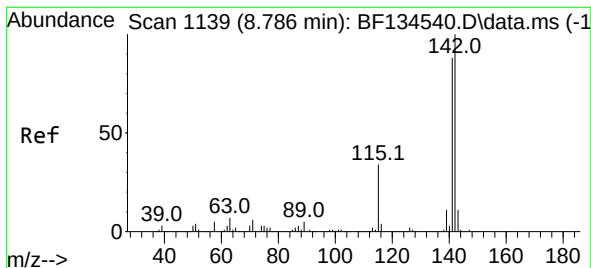
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#31
Naphthalene
Concen: 48.732 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Tgt Ion:128 Resp: 1679916
Ion Ratio Lower Upper
128 100
129 11.2 8.4 12.6
127 13.5 10.7 16.1





#37

2-Methylnaphthalene

Concen: 21.742 ng

RT: 8.792 min Scan# 1139

Delta R.T. 0.000 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2

Tgt Ion:142 Resp: 49680

Ion Ratio Lower Upper

142 100

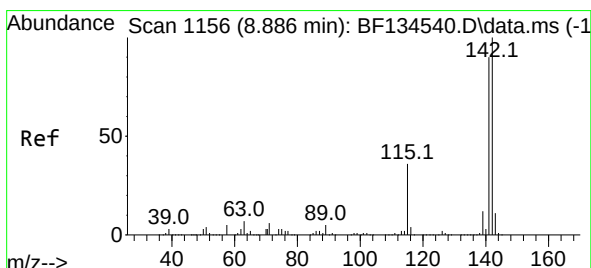
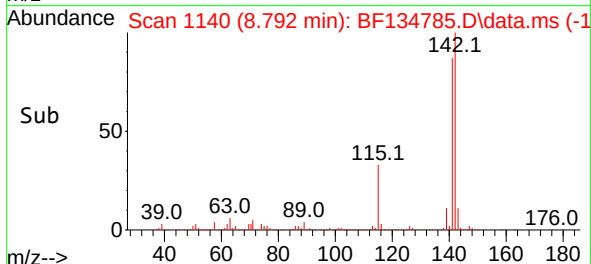
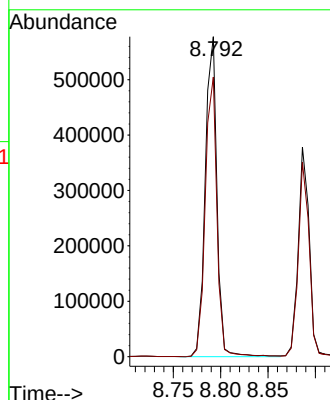
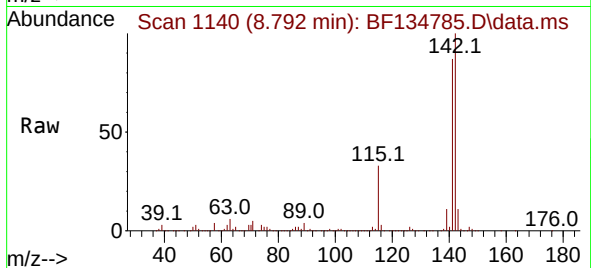
141 87.4 70.8 106.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/16/2023

Supervised By :Sohil Jodhani 08/16/2023



#38

1-Methylnaphthalene

Concen: 14.374 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF134785.D

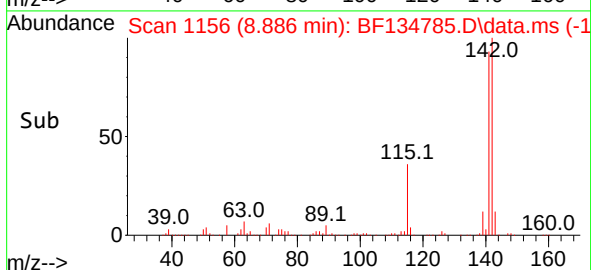
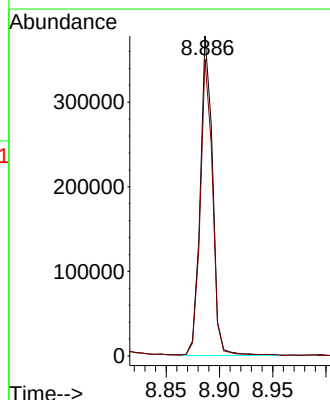
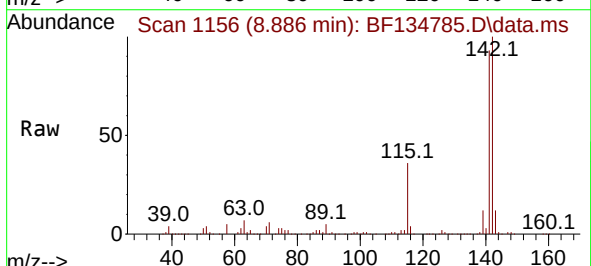
Acq: 15 Aug 2023 15:31

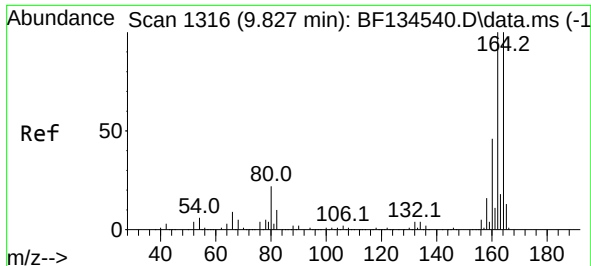
Tgt Ion:142 Resp: 305416

Ion Ratio Lower Upper

142 100

141 92.7 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: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

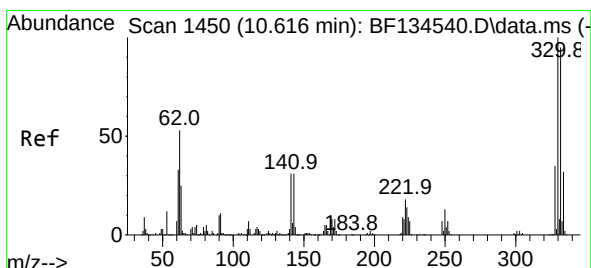
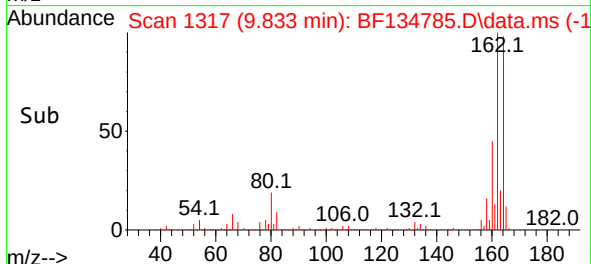
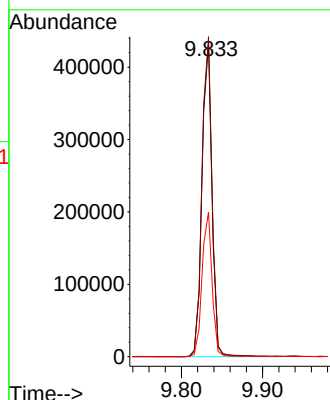
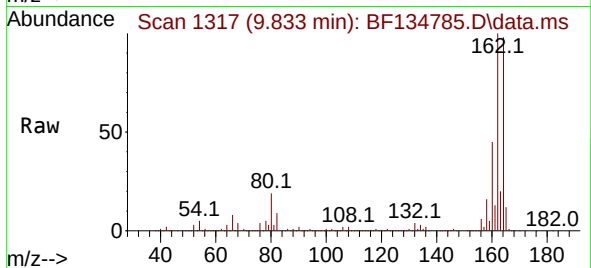
NEVINS-SB03-Z10-12DL2

Tgt Ion:164 Resp: 37103
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.6 123.8
 160 46.2 37.2 55.8

Manual Integrations

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 Supervised By :Sohil Jodhani 08/16/2023



#42

2,4,6-Tribromophenol

Concen: 0.163 ng

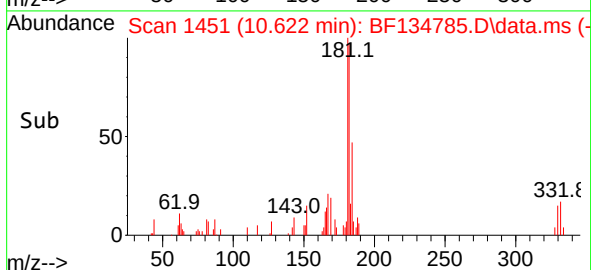
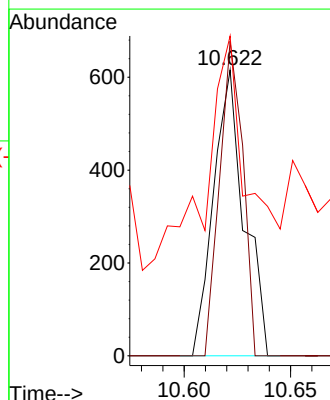
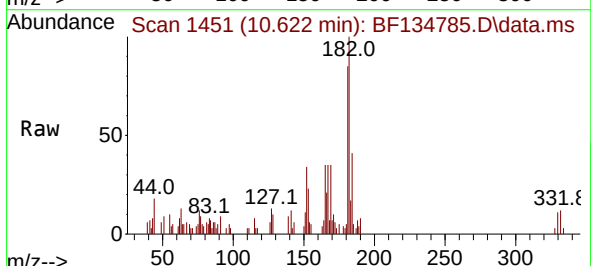
RT: 10.622 min Scan# 1451

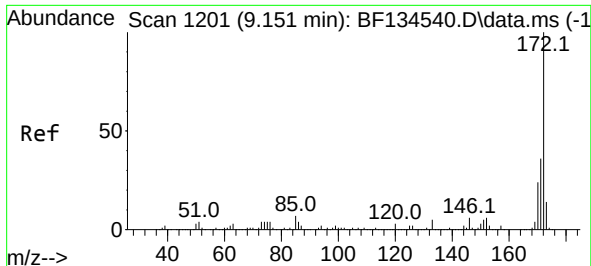
Delta R.T. -0.006 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Tgt Ion:330 Resp: 617
 Ion Ratio Lower Upper
 330 100
 332 83.1 78.8 118.2
 141 93.5 25.4 38.2#





#45

2-Fluorobiphenyl

Concen: 0.202 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF134785.D

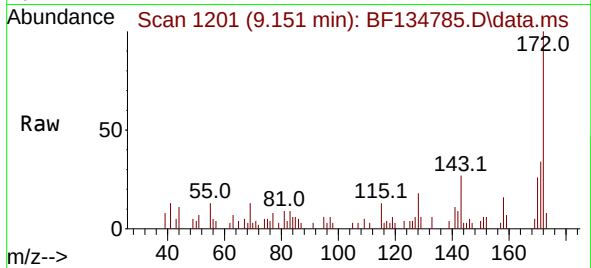
Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2



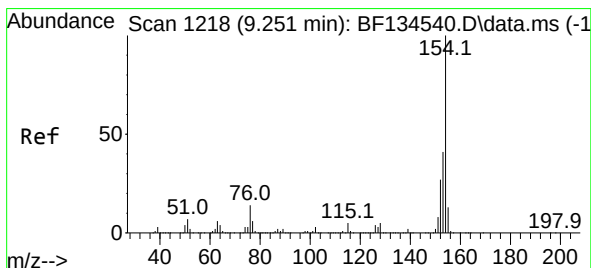
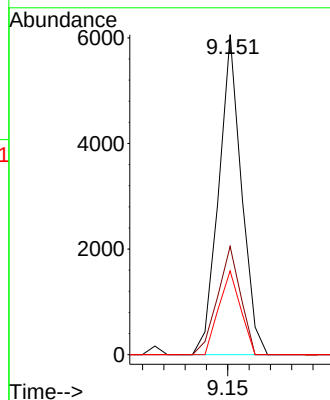
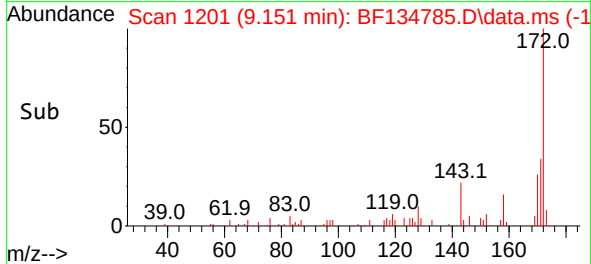
Tgt Ion:	172	Resp:	449
Ion Ratio	Lower	Upper	
172	100		
171	33.9	28.8	43.2
170	26.2	18.7	28.1

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Supervised By :Sohil Jodhani 08/16/2023



#46

1,1'-Biphenyl

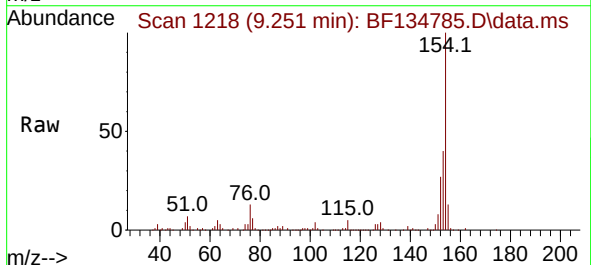
Concen: 2.664 ng

RT: 9.251 min Scan# 1218

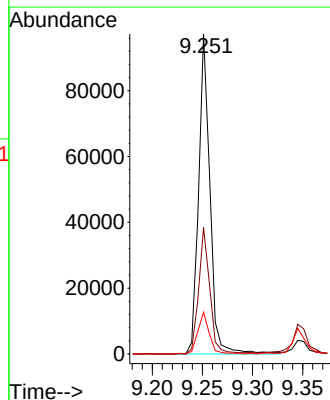
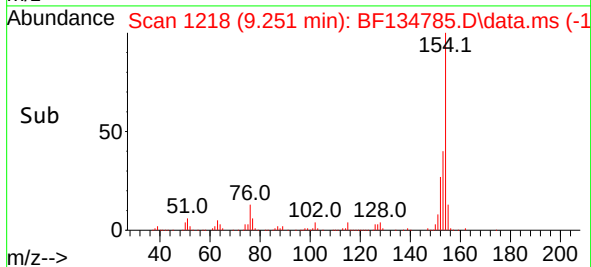
Delta R.T. -0.012 min

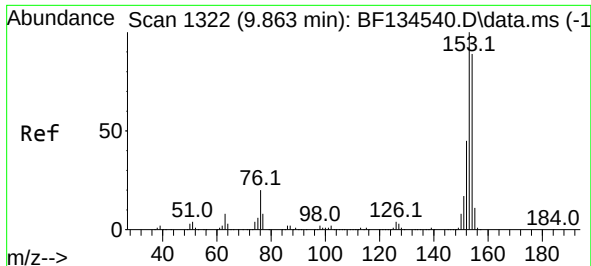
Lab File: BF134785.D

Acq: 15 Aug 2023 15:31



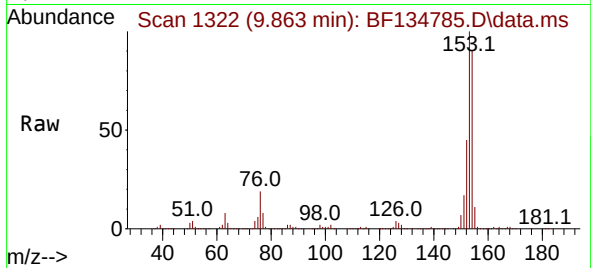
Tgt Ion:	154	Resp:	76877
Ion Ratio	Lower	Upper	
154	100		
153	39.5	20.8	60.8
76	13.0	0.0	30.2





#52
Acenaphthene
Concen: 10.337 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

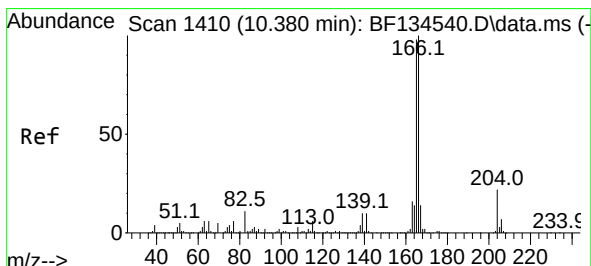
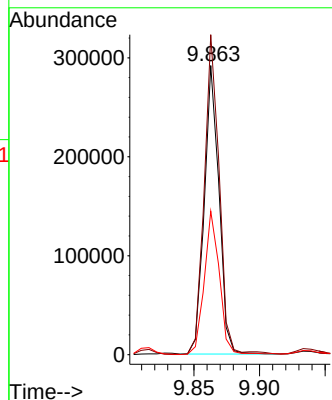
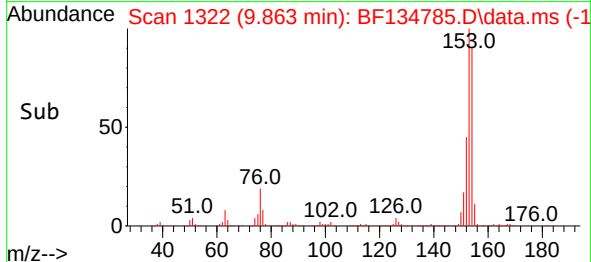
Instrument :
BNA_F
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NEVINS-SB03-Z10-12DL2



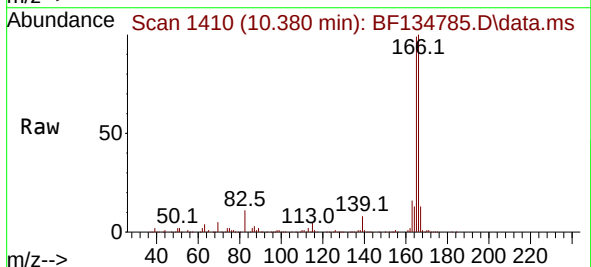
Tgt Ion:154 Resp: 22764
Ion Ratio Lower Upper
154 100
153 110.7 90.0 135.0
152 49.6 42.4 63.6

Manual Integrations
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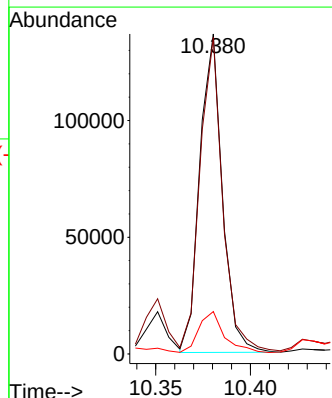
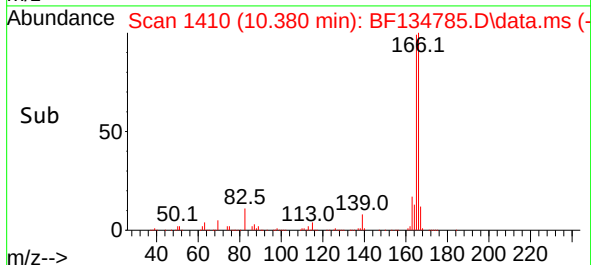
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

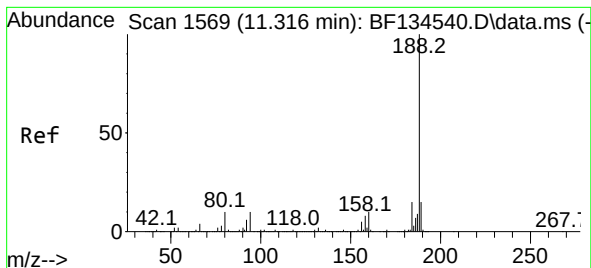


#58
Fluorene
Concen: 4.962 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31



Tgt Ion:166 Resp: 113305
Ion Ratio Lower Upper
166 100
165 98.9 74.5 111.7
167 13.2 10.6 16.0





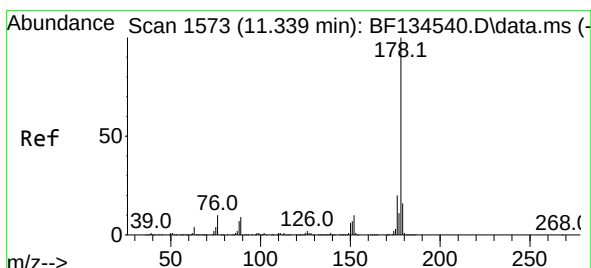
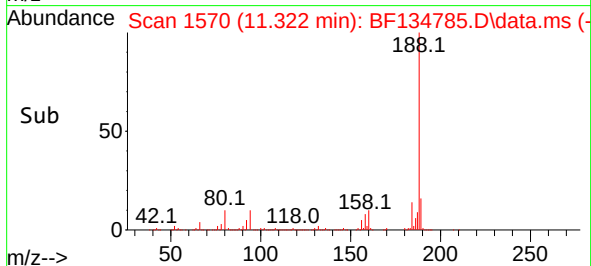
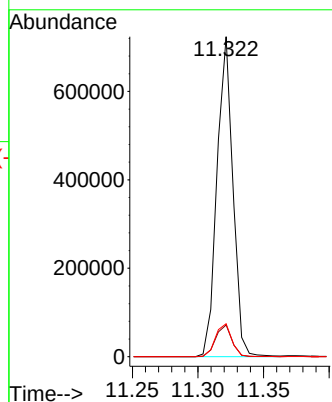
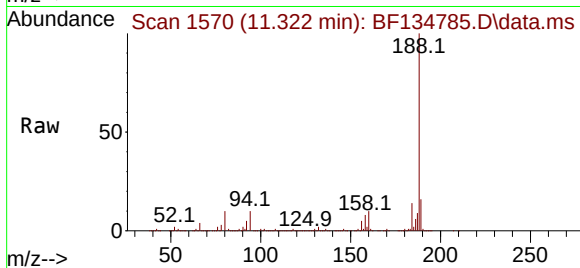
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2

Tgt Ion:188 Resp: 611010
Ion Ratio Lower Upper
188 100
94 9.9 5.1 7.7
80 10.3 6.6 9.8

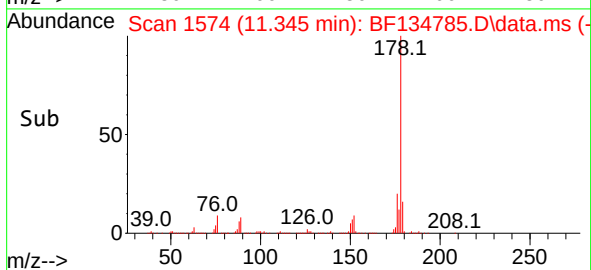
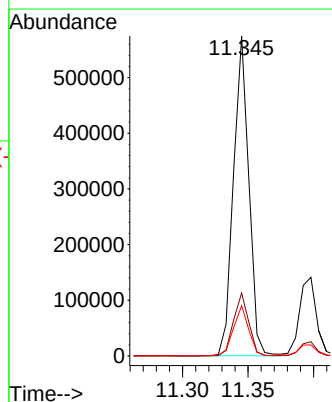
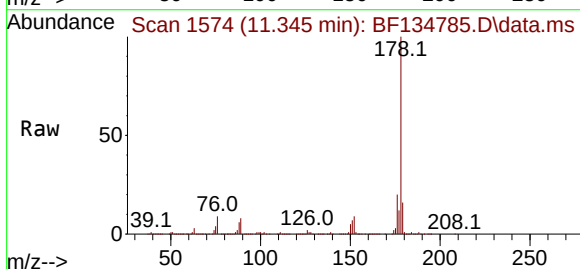
Manual Integrations
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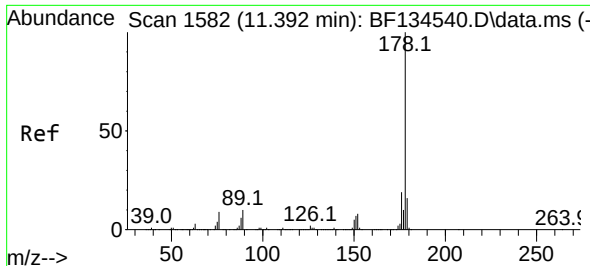
Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#71
Phenanthrene
Concen: 14.452 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

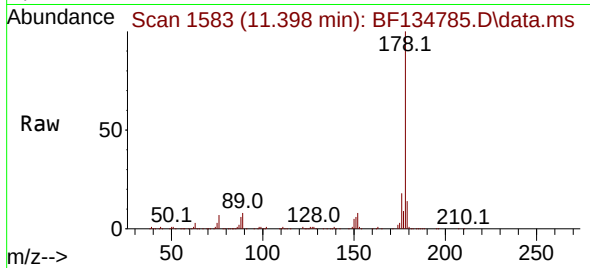
Tgt Ion:178 Resp: 469028
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.7 12.7 19.1





#72
 Anthracene
 Concen: 3.669 ng
 RT: 11.398 min Scan# 1139
 Delta R.T. -0.006 min
 Lab File: BF134785.D
 Acq: 15 Aug 2023 15:31

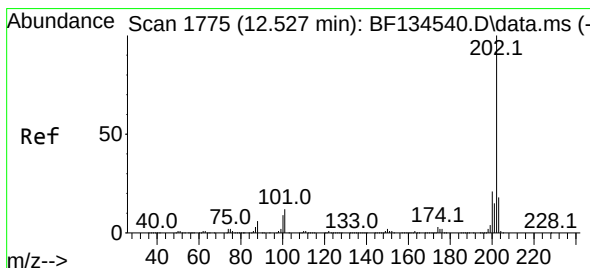
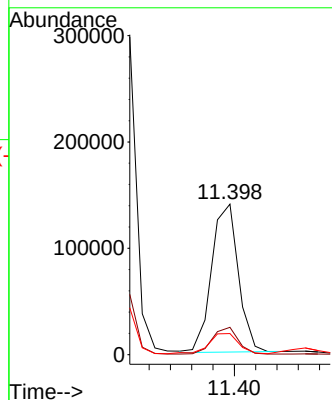
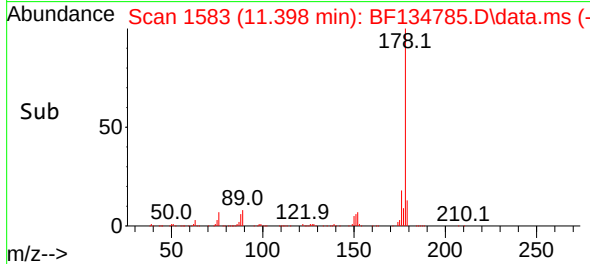
Instrument :
 BNA_F
 ClientSampleId :
 NEVINS-SB03-Z10-12DL2



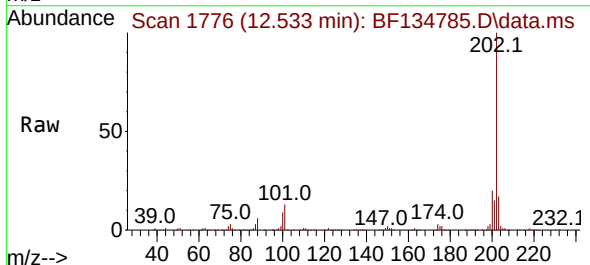
Tgt Ion:178 Resp: 121628
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 21.8
 179 14.1 12.3 18.5

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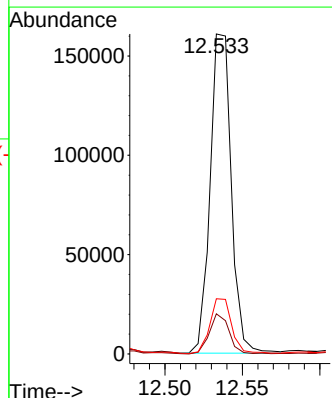
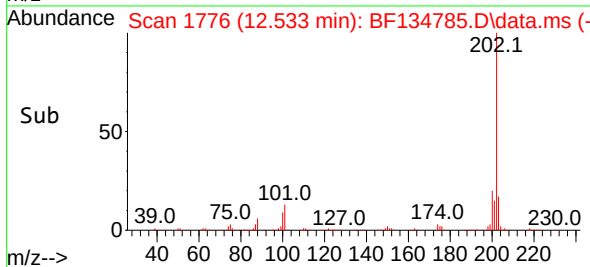
Reviewed By :Yogesh Patel 08/16/2023
 Supervised By :Sohil Jodhani 08/16/2023

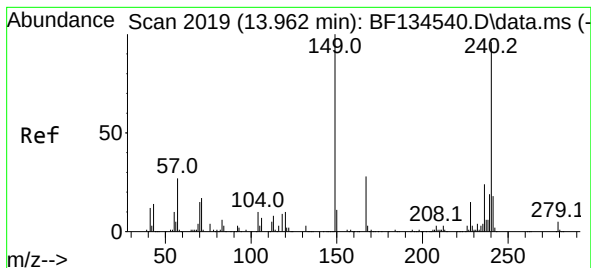


#75
 Fluoranthene
 Concen: 4.457 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF134785.D
 Acq: 15 Aug 2023 15:31



Tgt Ion:202 Resp: 152794
 Ion Ratio Lower Upper
 202 100
 101 12.5 0.0 28.5
 203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134785.D

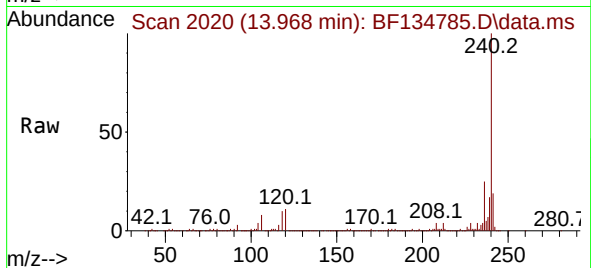
Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2



Tgt Ion:240 Resp: 407349

Ion Ratio Lower Upper

240 100

120 11.4 6.6 10.0

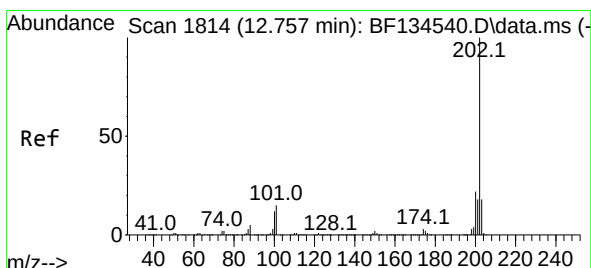
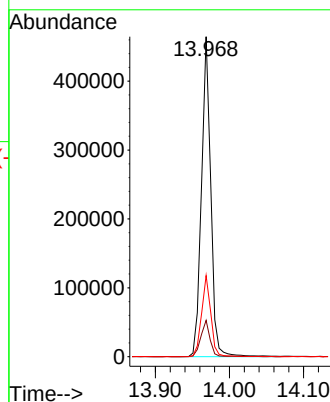
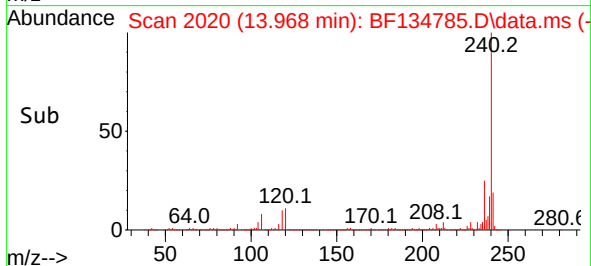
236 25.4 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/16/2023

Supervised By :Sohil Jodhani 08/16/2023



#78

Pyrene

Concen: 6.762 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

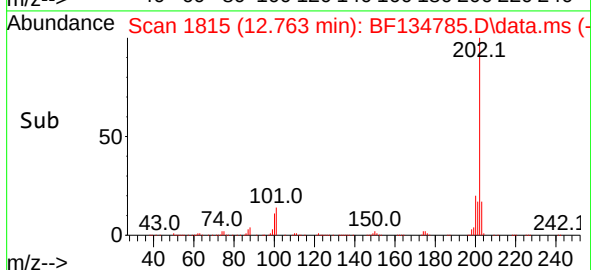
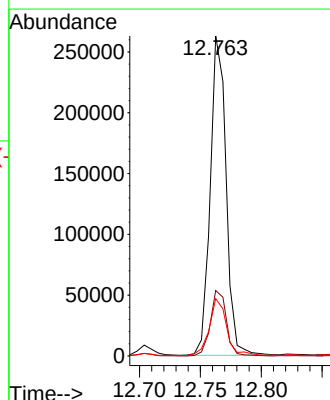
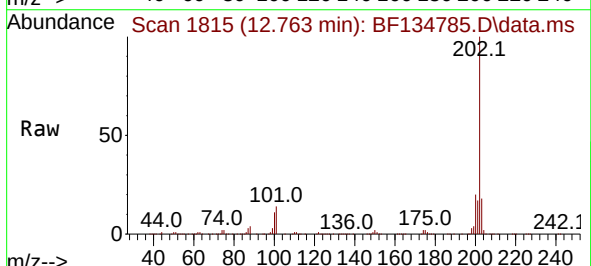
Tgt Ion:202 Resp: 238361

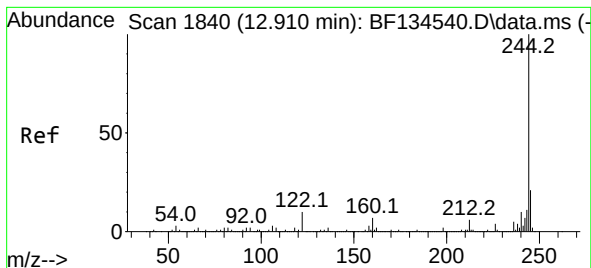
Ion Ratio Lower Upper

202 100

200 20.5 15.8 23.8

203 17.9 13.5 20.3





#79

Terphenyl-d14

Concen: 0.196 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134785.D

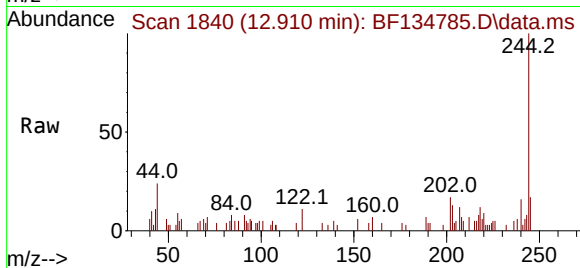
Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

NEVINS-SB03-Z10-12DL2

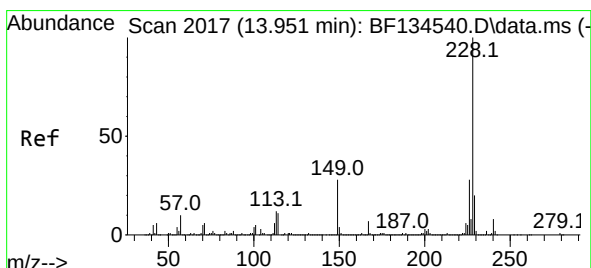
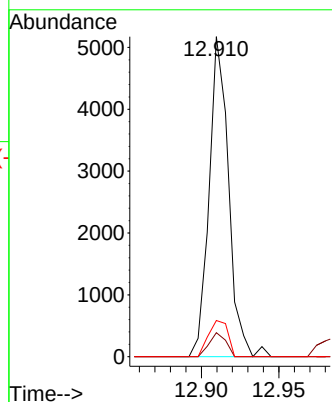
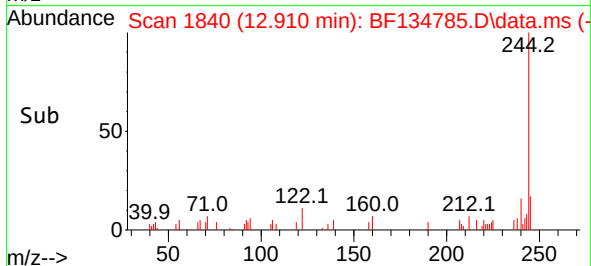


Tgt Ion:	244	Resp:	4524
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.6	8.4
122	11.3	8.0	12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#81

Benzo(a)anthracene

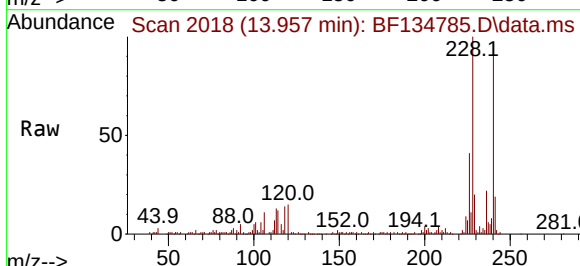
Concen: 2.312 ng m

RT: 13.957 min Scan# 2018

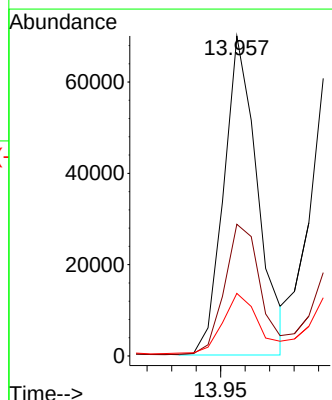
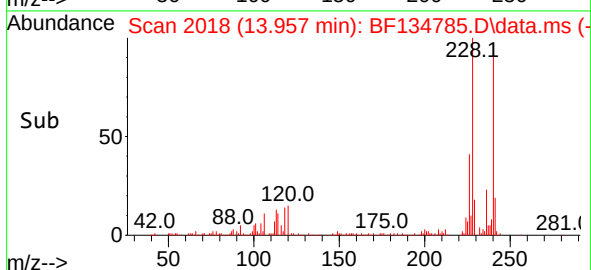
Delta R.T. -0.006 min

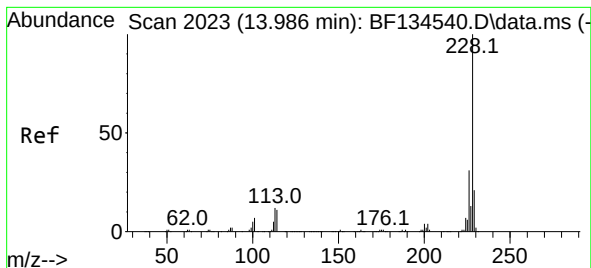
Lab File: BF134785.D

Acq: 15 Aug 2023 15:31



Tgt Ion:	228	Resp:	67342
Ion Ratio	Lower	Upper	
228	100		
226	41.2	22.3	33.5#
229	19.5	15.8	23.6





#83

Chrysene

Concen: 2.050 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

Instrument :

BNA_F

ClientSampleId :

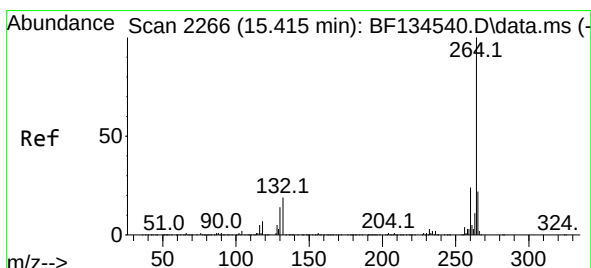
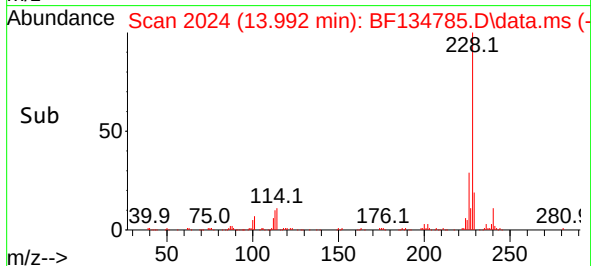
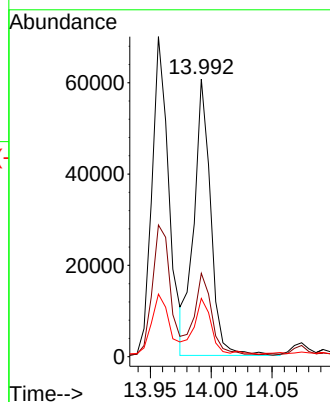
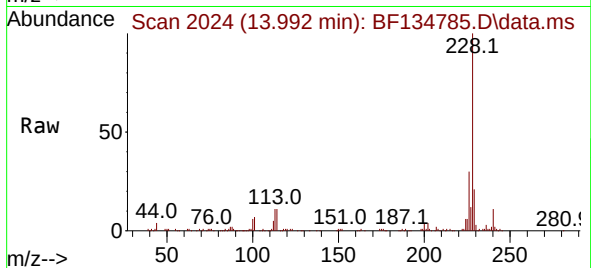
NEVINS-SB03-Z10-12DL2

Tgt Ion:228	Resp: 58174
Ion Ratio	Lower Upper
228 100	
226 30.0	24.5 36.7
229 21.0	15.8 23.8

Manual Integrations

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Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023



#86

Perylene-d12

Concen: 20.000 ng

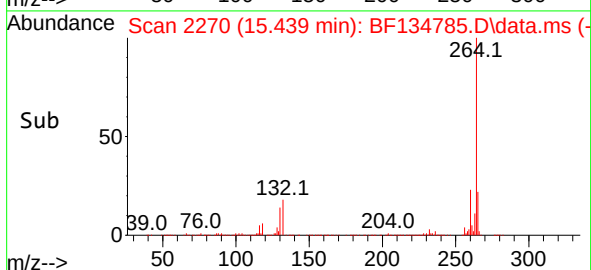
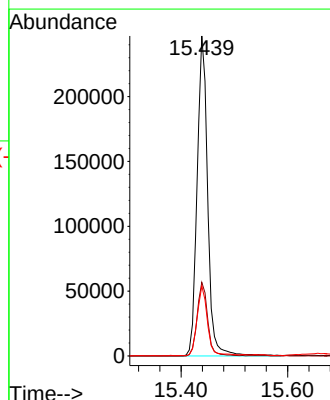
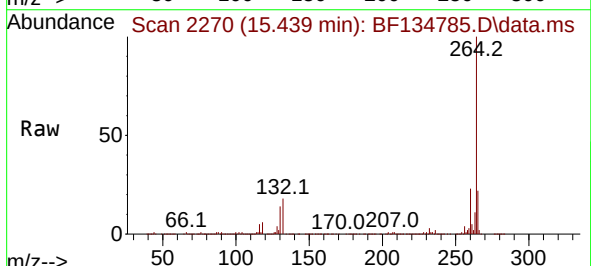
RT: 15.439 min Scan# 2270

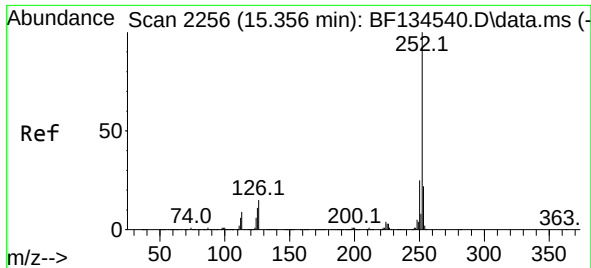
Delta R.T. 0.000 min

Lab File: BF134785.D

Acq: 15 Aug 2023 15:31

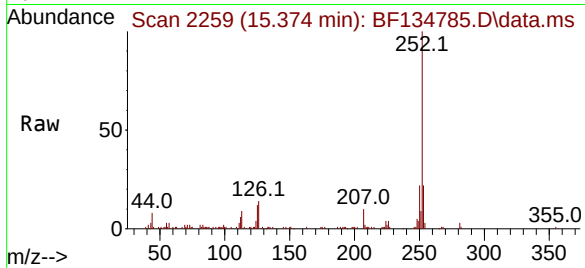
Tgt Ion:264	Resp: 339169
Ion Ratio	Lower Upper
264 100	
260 23.0	18.4 27.6
265 21.8	15.8 23.8





#90
Benzo(a)pyrene
Concen: 2.188 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134785.D
Acq: 15 Aug 2023 15:31

Instrument :
BNA_F
ClientSampleId :
NEVINS-SB03-Z10-12DL2



Tgt Ion:252 Resp: 42209
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.4
125 12.3 6.2 9.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/16/2023
Supervised By :Sohil Jodhani 08/16/2023

