

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
 Data File : BF134993.D
 Acq On : 29 Aug 2023 20:15
 Operator : CG\JU
 Sample : 04188-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 29 22:29:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	120620	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	488589	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	250364	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	440680	20.000	ng	-0.02
76) Chrysene-d12	13.962	240	227043	20.000	ng	-0.02
86) Perylene-d12	15.433	264	268004	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	775009	102.460	ng	0.00
7) Phenol-d6	6.422	99	976937	101.076	ng	-0.02
23) Nitrobenzene-d5	7.345	82	611023	68.912	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	269183	91.290	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	1134405	70.045	ng	-0.02
79) Terphenyl-d14	12.910	244	1073069	65.005	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.333	178	48518	2.101	ng	99
75) Fluoranthene	12.527	202	77081	3.523	ng	98
78) Pyrene	12.757	202	67490	2.804	ng	100
88) Benzo(b)fluoranthene	15.004	252	37402m	2.474	ng	

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

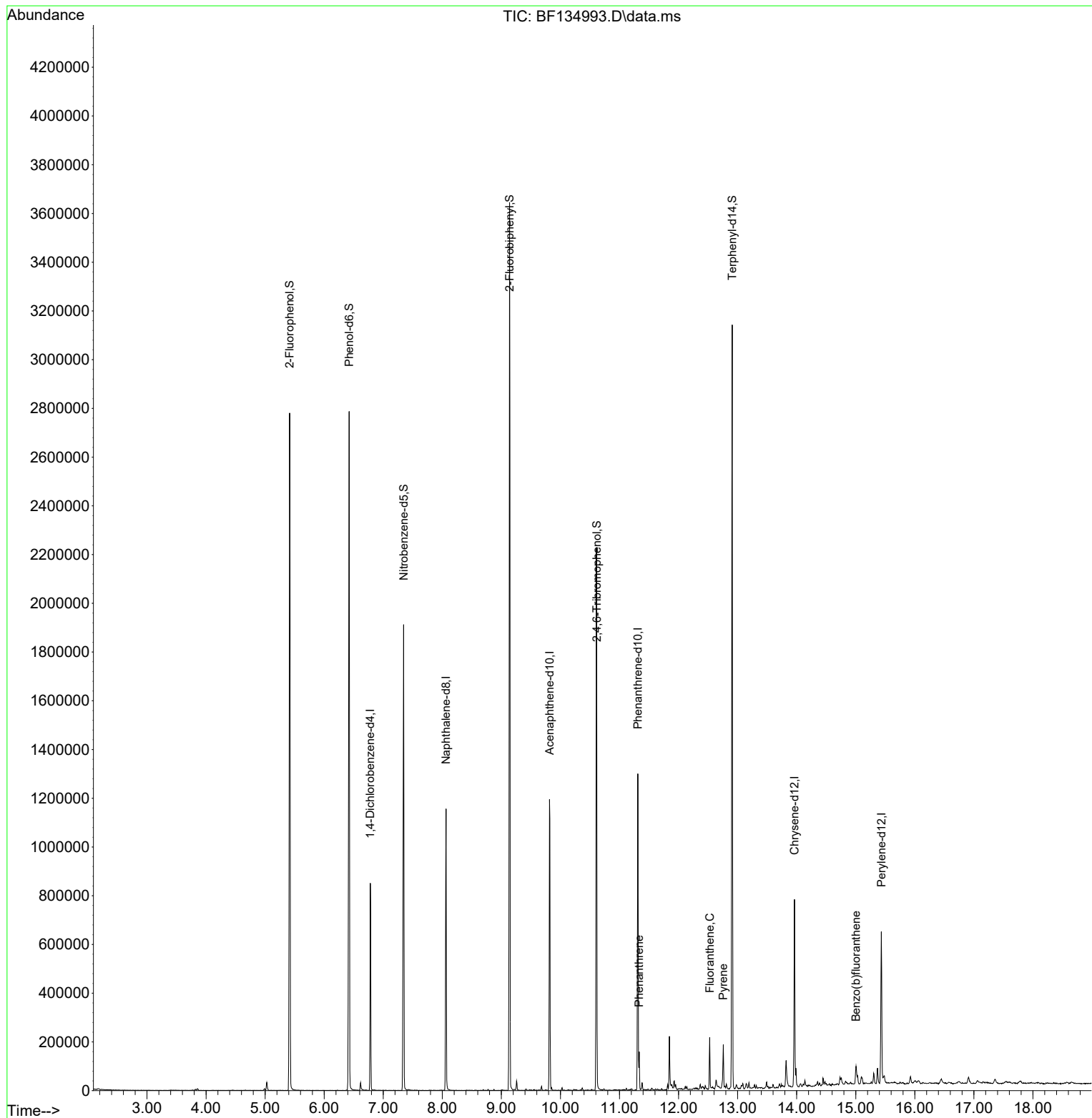
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082923\
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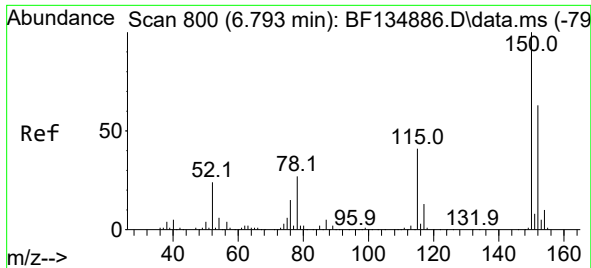
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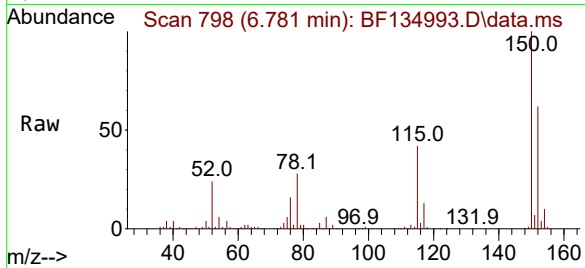
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.012 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

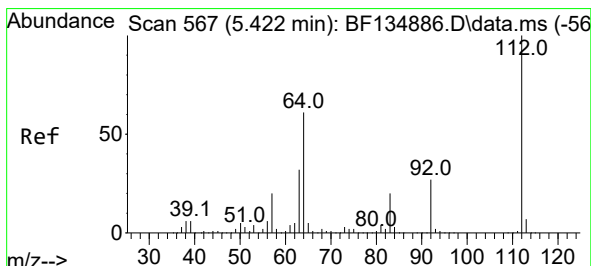
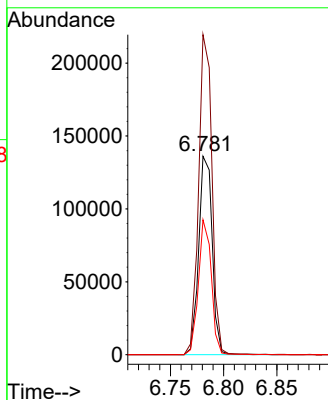
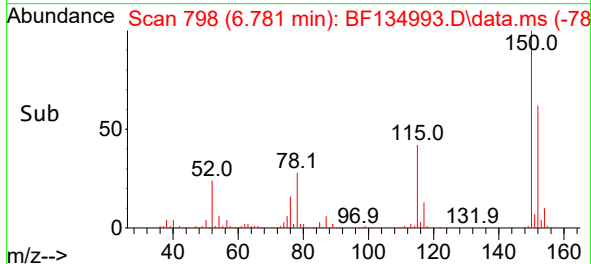
Instrument :
BNA_F
ClientSampleId :
WC-6



Tgt Ion:152 Resp: 120620
Ion Ratio Lower Upper
152 100
150 161.3 126.1 189.1
115 68.0 51.1 76.7

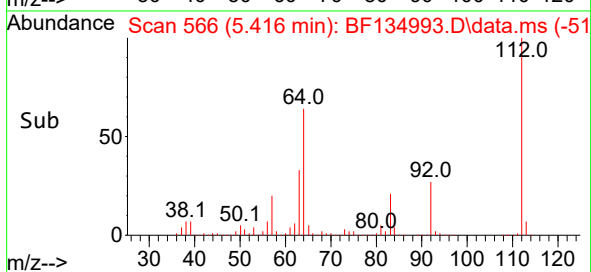
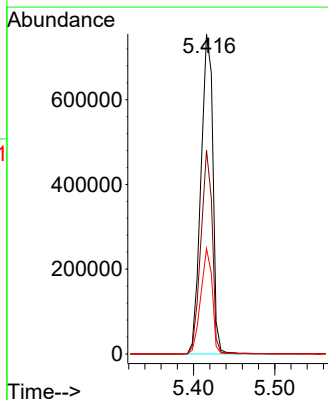
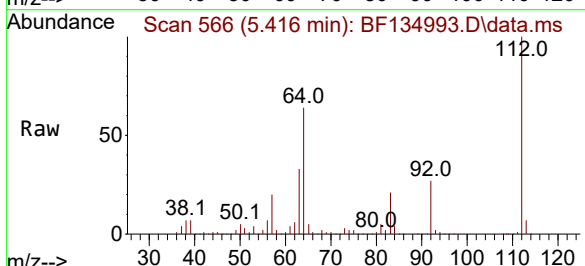
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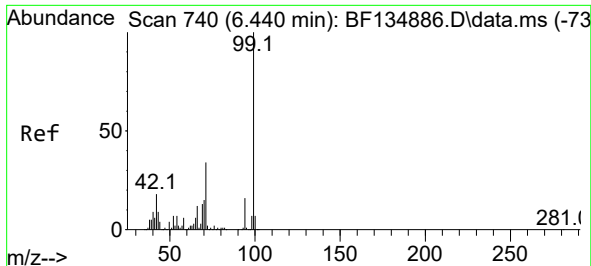
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#5
2-Fluorophenol
Concen: 102.460 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

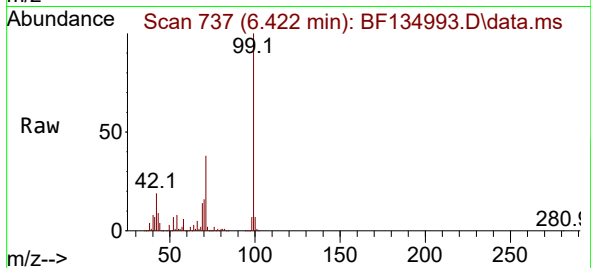
Tgt Ion:112 Resp: 775009
Ion Ratio Lower Upper
112 100
64 63.7 48.6 73.0
63 32.9 25.7 38.5





#7
Phenol-d6
Concen: 101.076 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

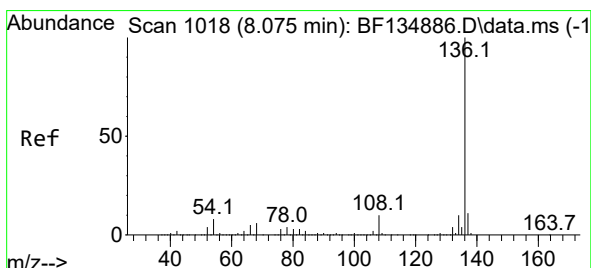
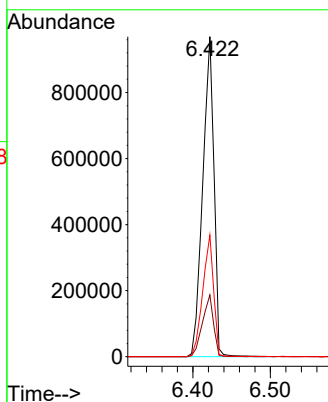
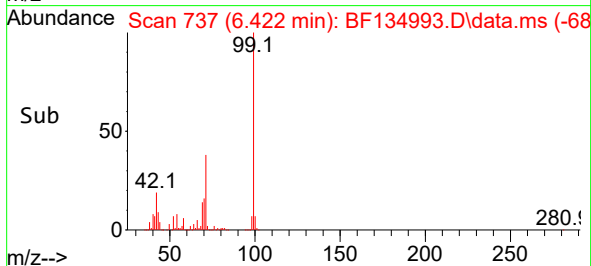
Instrument :
BNA_F
ClientSampleId :
WC-6



Tgt Ion: 99 Resp: 97693
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 38.0 27.6 41.4

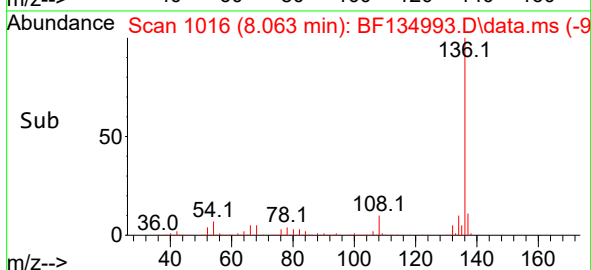
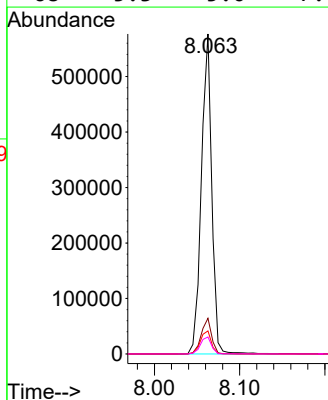
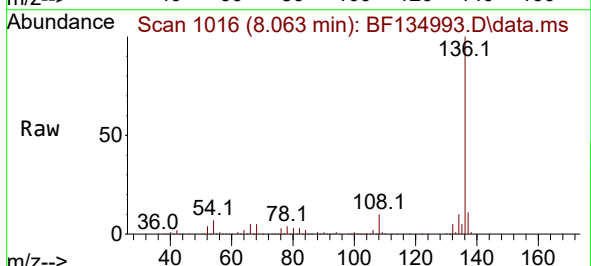
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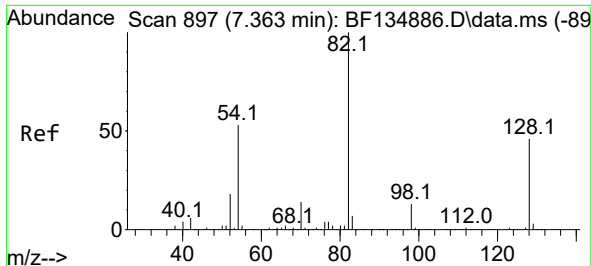
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

Tgt Ion:136 Resp: 488589
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.2 6.6 9.8
68 5.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 68.912 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

Instrument :

BNA_F

ClientSampleId :

WC-6

Tgt Ion: 82 Resp: 61102

Ion Ratio Lower Upper

82 100

128 44.8 36.6 54.8

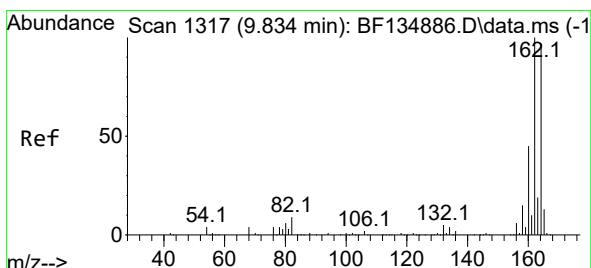
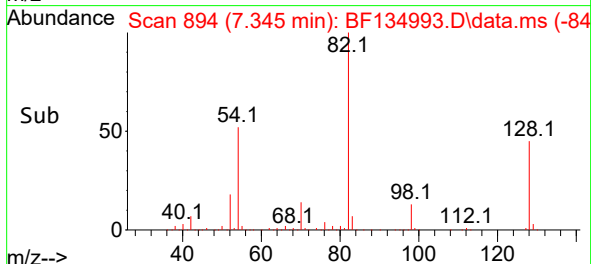
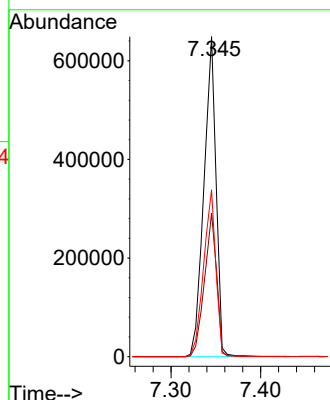
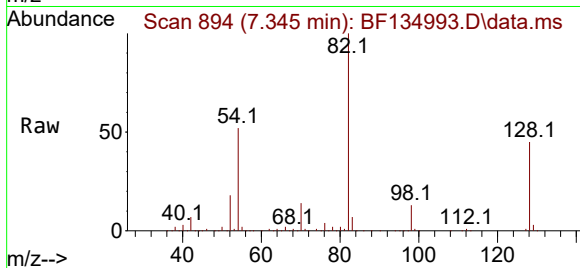
54 52.2 42.6 63.8

Manual Integrations

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Supervised By :mohammad ahmed 08/30/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.018 min

Lab File: BF134993.D

Acq: 29 Aug 2023 20:15

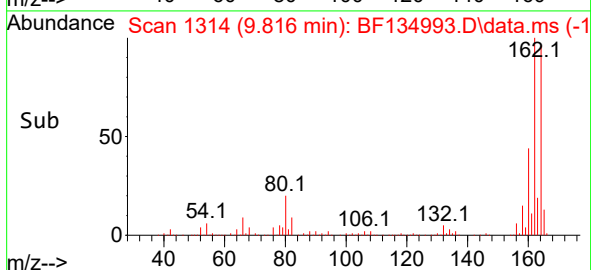
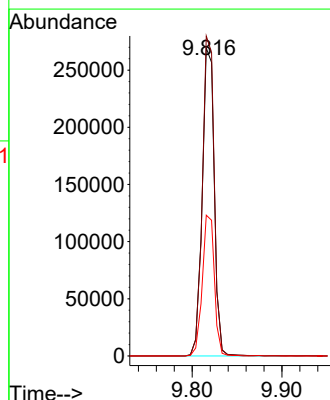
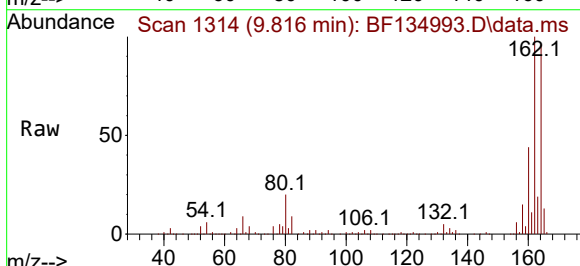
Tgt Ion:164 Resp: 250364

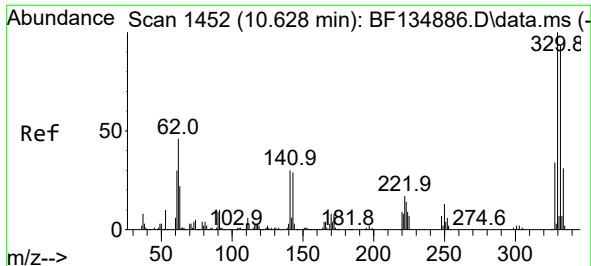
Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

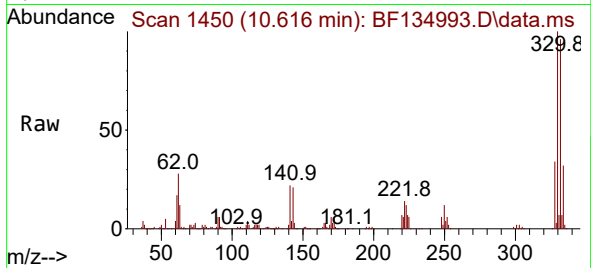
160 45.7 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 91.290 ng
RT: 10.616 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

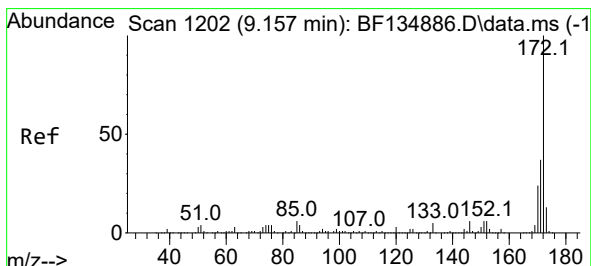
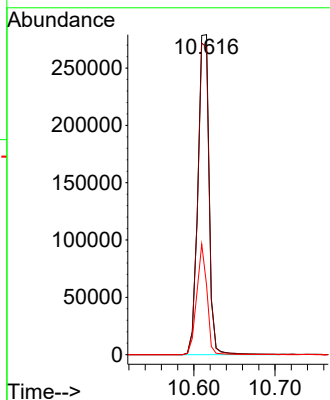
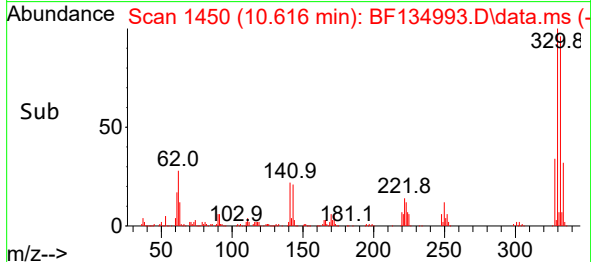
Instrument :
BNA_F
ClientSampleId :
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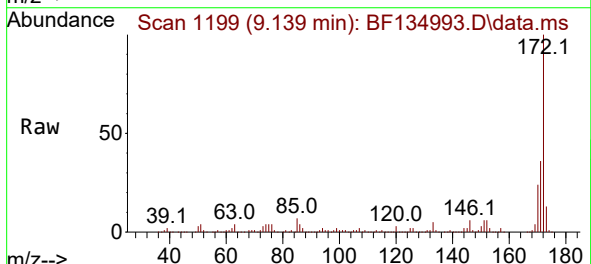
Tgt Ion:330 Resp: 26918
Ion Ratio Lower Upper
330 100
332 97.2 76.3 114.5
141 31.4 23.4 35.2

Manual Integrations
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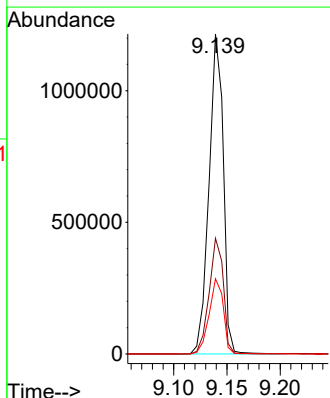
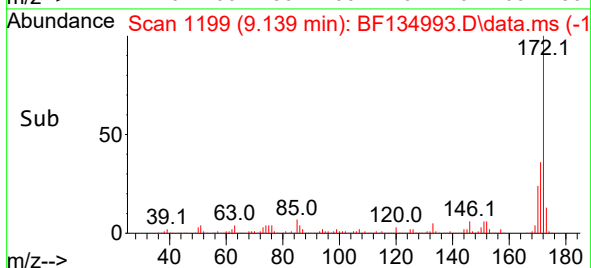
Reviewed By :Yogesh Patel 08/30/2023
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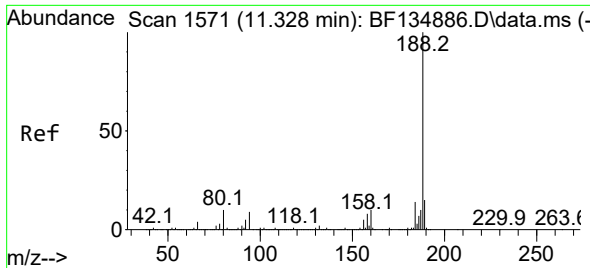


#45
2-Fluorobiphenyl
Concen: 70.045 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15



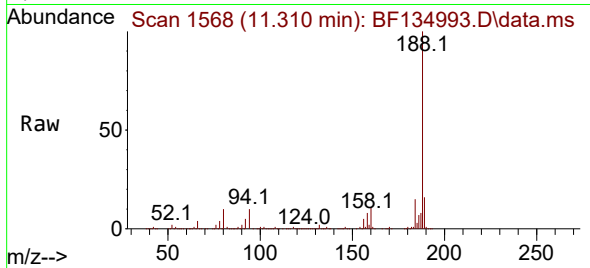
Tgt Ion:172 Resp: 1134405
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 23.5 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

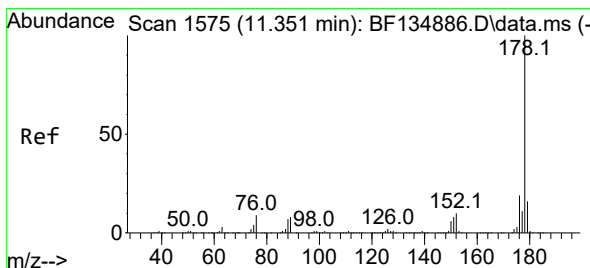
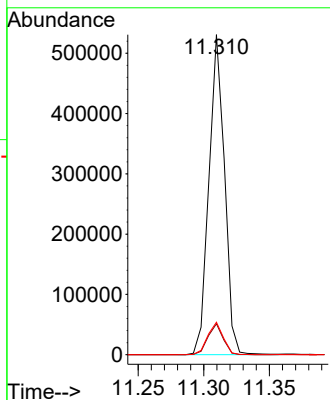
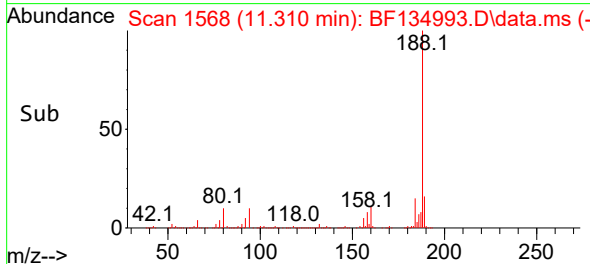
Instrument :
BNA_F
ClientSampleId :
WC-6



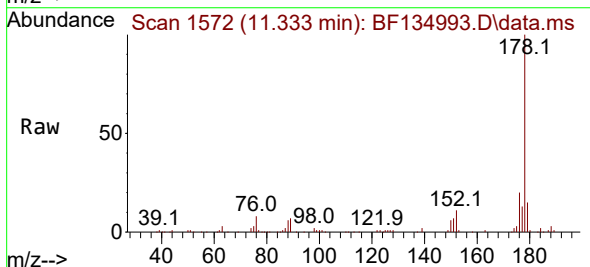
Tgt Ion:188 Resp: 440680
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.1 7.8 11.6

Manual Integrations
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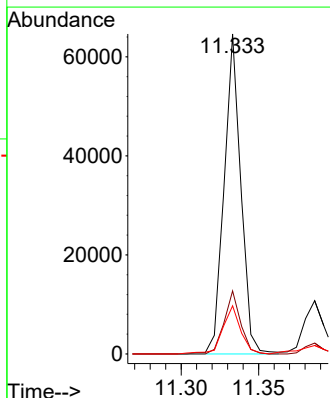
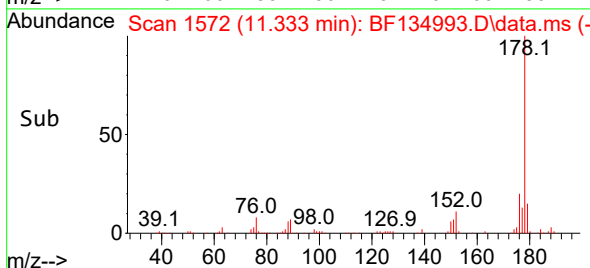
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023

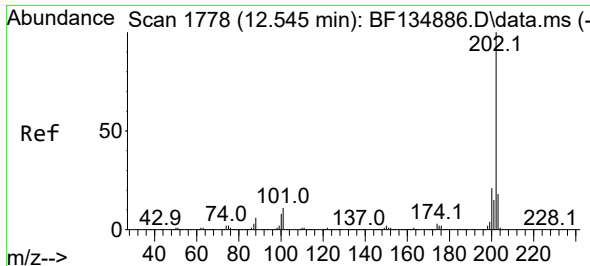


#71
Phenanthrene
Concen: 2.101 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15



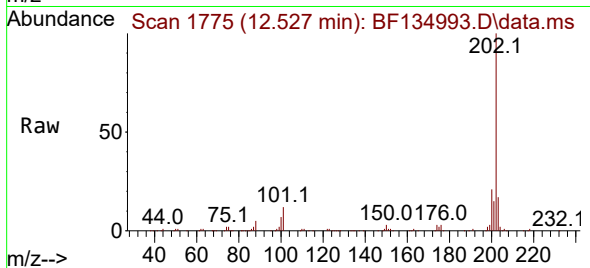
Tgt Ion:178 Resp: 48518
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 3.523 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

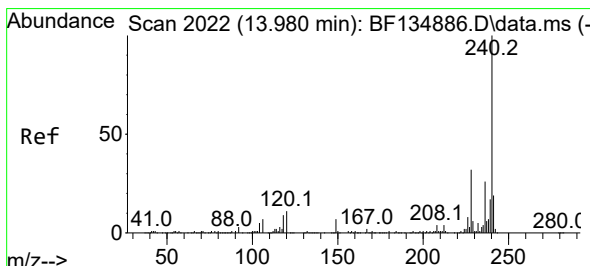
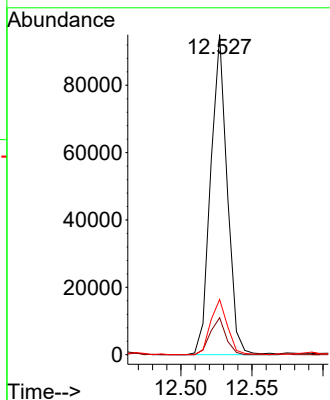
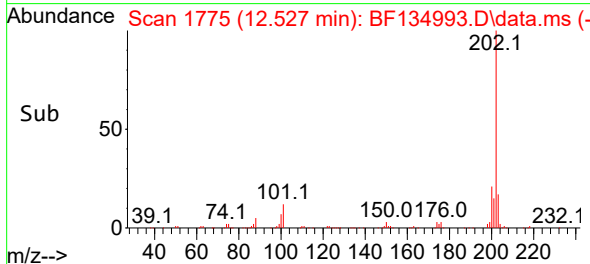
Instrument :
BNA_F
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WC-6



Tgt Ion:202 Resp: 77083
Ion Ratio Lower Upper
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101 11.6 0.0 30.5
203 17.2 0.0 37.8

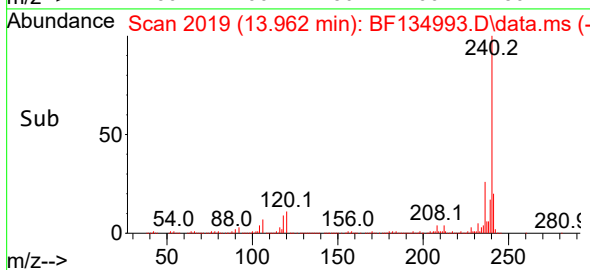
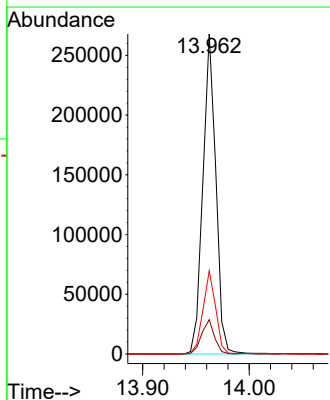
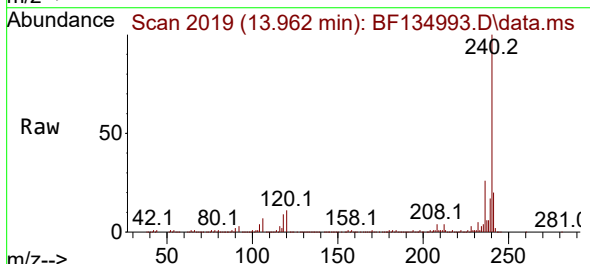
Manual Integrations
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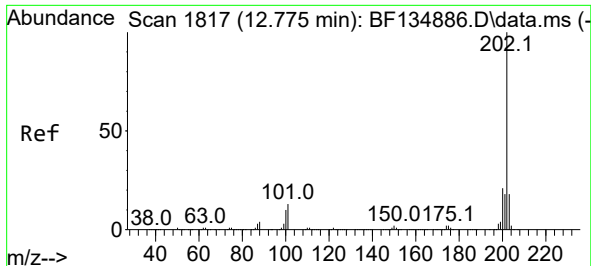
Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

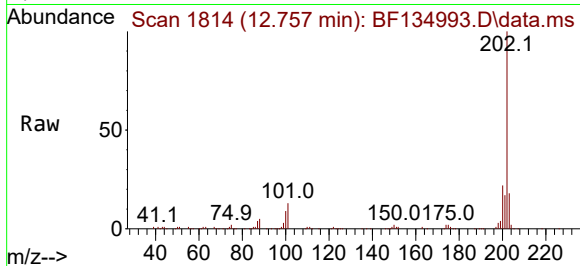
Tgt Ion:240 Resp: 227043
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 26.0 20.6 31.0





#78
Pyrene
Concen: 2.804 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

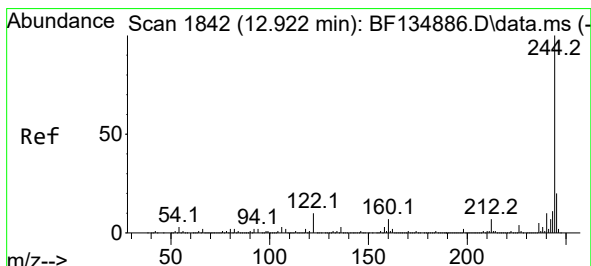
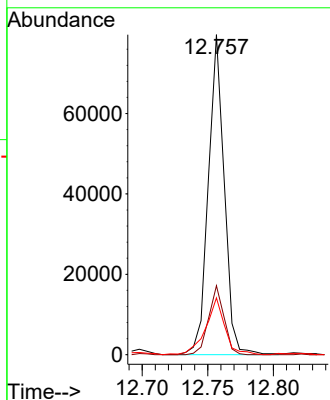
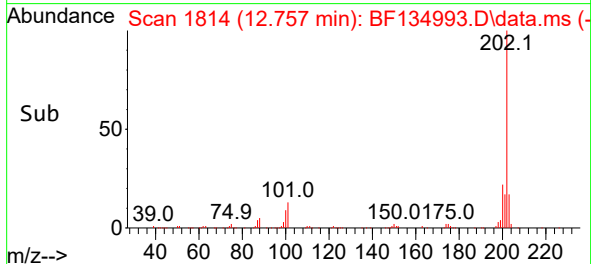
Instrument :
BNA_F
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WC-6



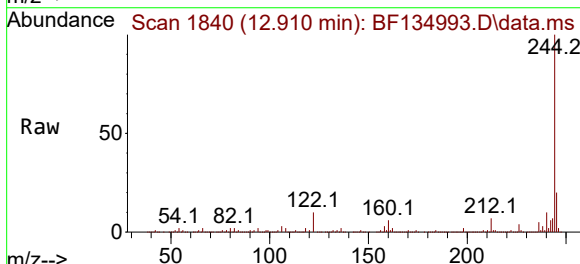
Tgt Ion:202 Resp: 67490
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 17.8 14.2 21.2

Manual Integrations
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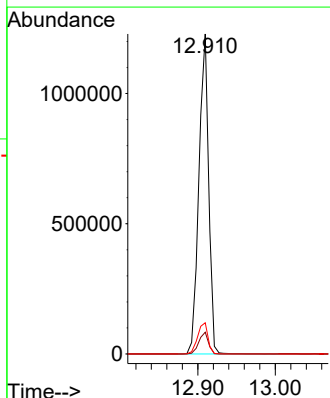
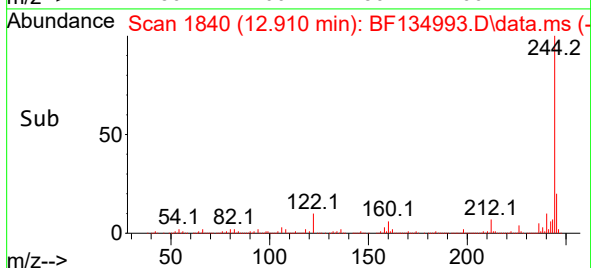
Reviewed By :Yogesh Patel 08/30/2023
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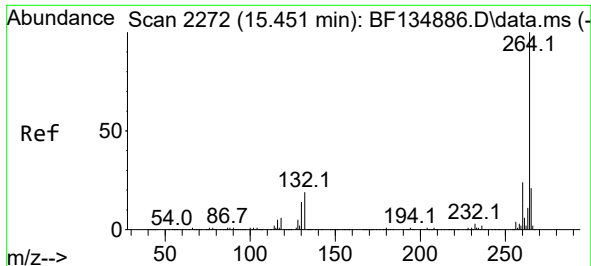


#79
Terphenyl-d14
Concen: 65.005 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15



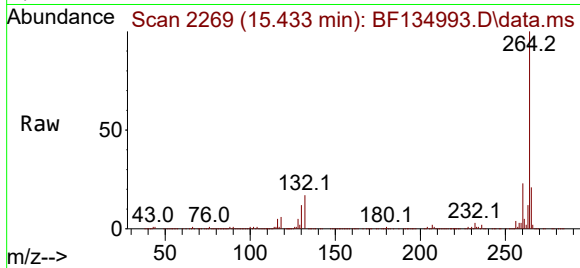
Tgt Ion:244 Resp: 1073069
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 9.8 8.2 12.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15

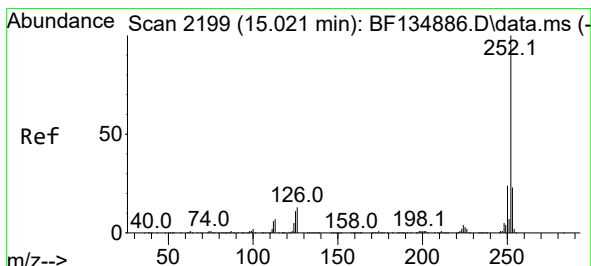
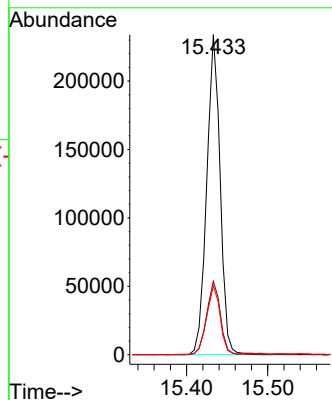
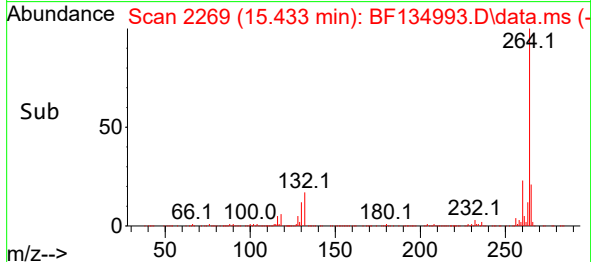
Instrument :
BNA_F
ClientSampleId :
WC-6



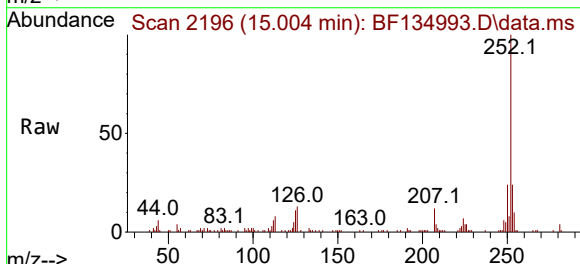
Tgt Ion:264 Resp: 268004
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 21.5 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/30/2023
Supervised By :mohammad ahmed 08/30/2023



#88
Benzo(b)fluoranthene
Concen: 2.474 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF134993.D
Acq: 29 Aug 2023 20:15



Tgt Ion:252 Resp: 37402
Ion Ratio Lower Upper
252 100
253 24.2 18.1 27.1
125 10.9 8.4 12.6

