

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134943.D
 Acq On : 25 Aug 2023 16:24
 Operator : CG\JU
 Sample : 04110-16
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-TP-23(0-1)

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

Quant Time: Aug 25 16:40:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	80889	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	308056	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	146660	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	267782	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	179648	20.000	ng	0.00
86) Perylene-d12	15.445	264	163033	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	478891	94.409	ng	0.00
7) Phenol-d6	6.422	99	601005	92.723	ng	-0.02
23) Nitrobenzene-d5	7.351	82	365638	65.404	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	138064	79.931	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	701176	73.909	ng	-0.01
79) Terphenyl-d14	12.915	244	795515	60.905	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.780	142	23133	2.255	ng	99
38) 1-Methylnaphthalene	8.880	142	24264	2.530	ng	98
71) Phenanthrene	11.339	178	74738	5.326	ng	99
75) Fluoranthene	12.533	202	106052	7.976	ng	97
78) Pyrene	12.763	202	91199	4.788	ng	99
81) Benzo(a)anthracene	13.962	228	49892	4.070	ng	# 90
83) Chrysene	13.998	228	48898m	4.043	ng	
88) Benzo(b)fluoranthene	15.015	252	61059m	6.638	ng	
90) Benzo(a)pyrene	15.380	252	36515	3.977	ng	99

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

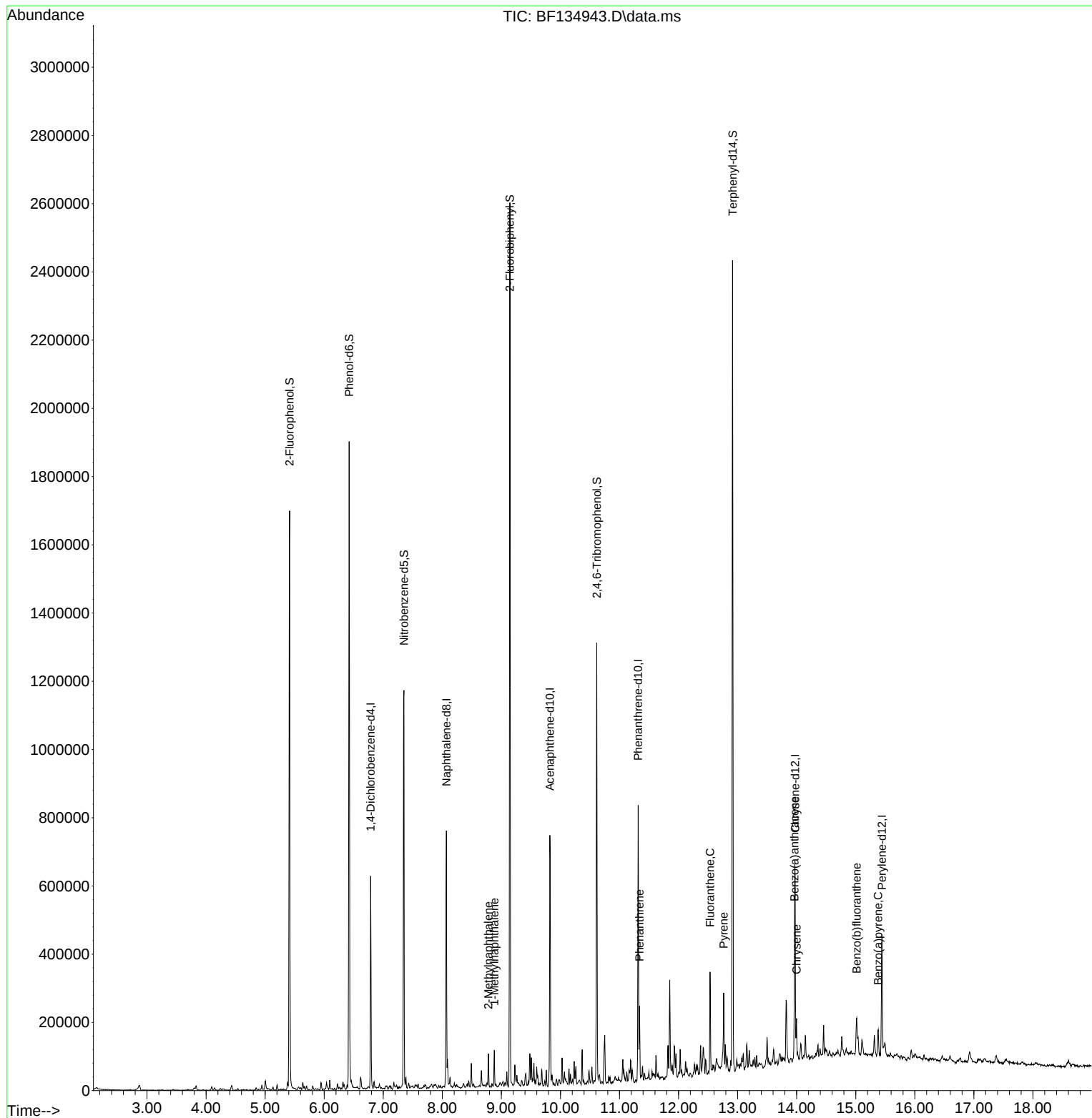
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134943.D
Acq On : 25 Aug 2023 16:24
Operator : CG\JU
Sample : 04110-16
Misc :
ALS Vial : 8 Sample Multiplier: 1

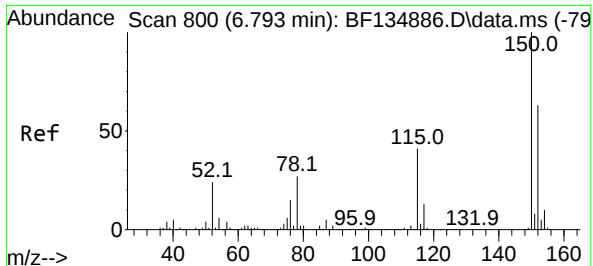
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)

Quant Time: Aug 25 16:40:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 79
Delta R.T. -0.007 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

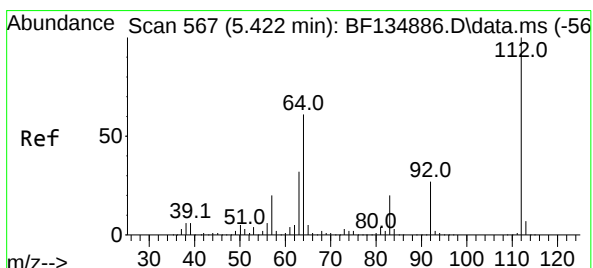
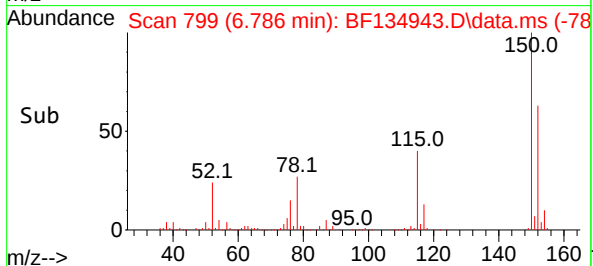
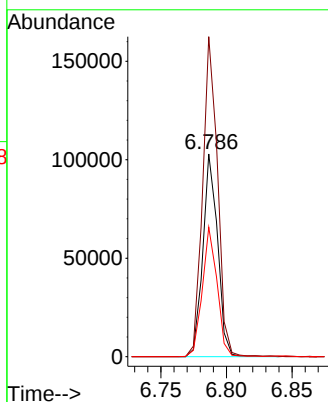
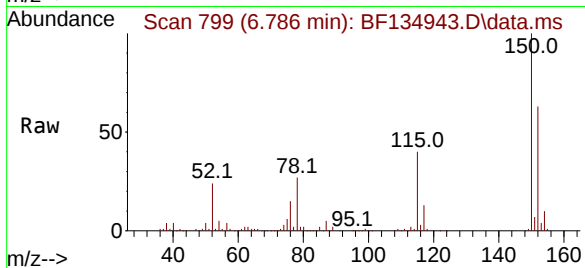
SS-TP-23(0-1)

Tgt Ion:152 Resp: 80889
Ion Ratio Lower Upper
152 100
150 157.9 126.1 189.1
115 63.9 51.1 76.7

Manual Integrations

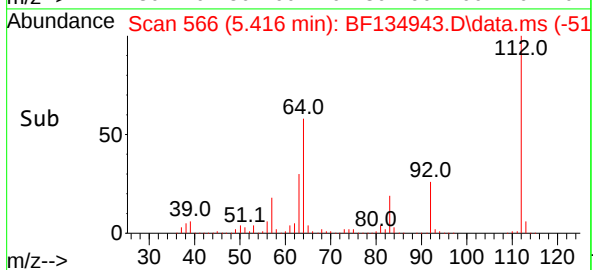
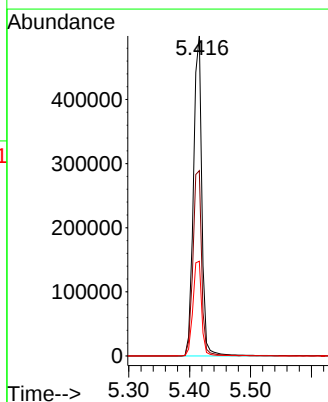
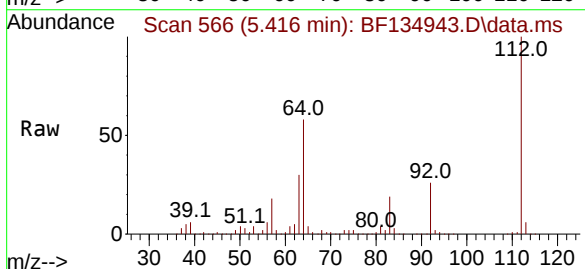
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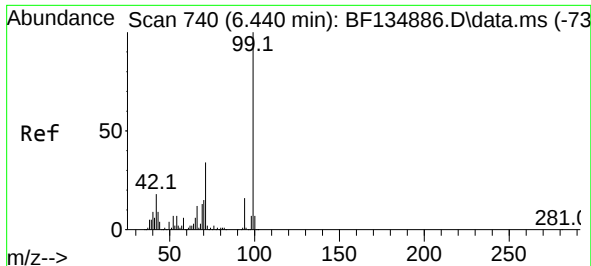
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#5
2-Fluorophenol
Concen: 94.409 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

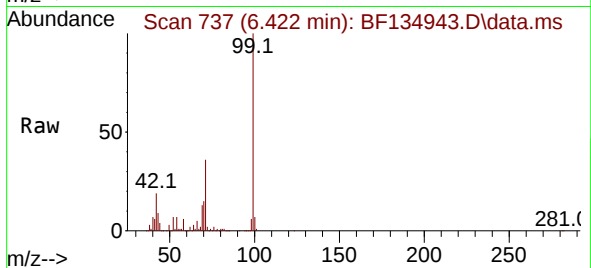
Tgt Ion:112 Resp: 478891
Ion Ratio Lower Upper
112 100
64 57.9 48.6 73.0
63 29.6 25.7 38.5





#7
Phenol-d6
Concen: 92.723 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

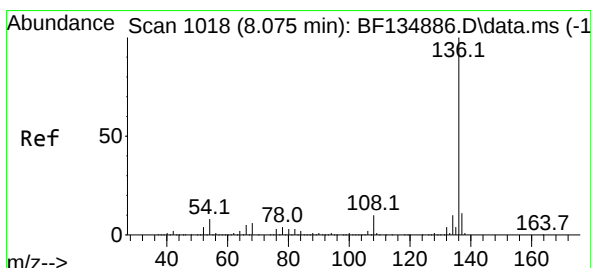
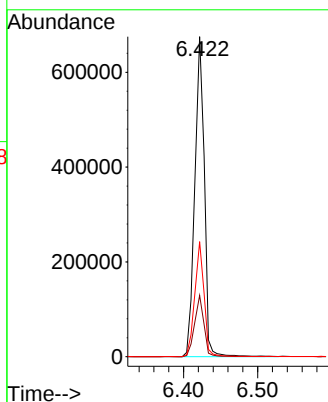
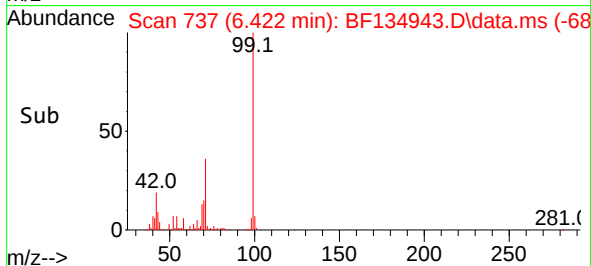
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)



Tgt Ion: 99 Resp: 60100
Ion Ratio Lower Upper
99 100
42 19.1 14.6 22.0
71 36.0 27.6 41.4

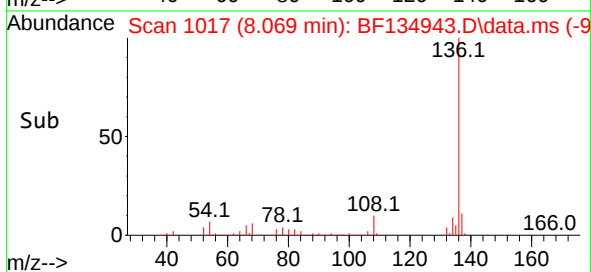
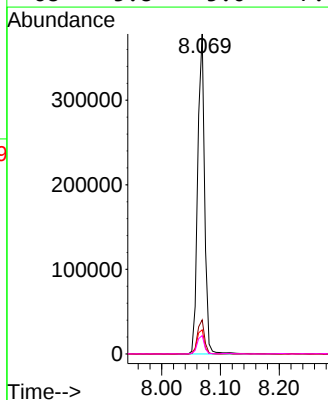
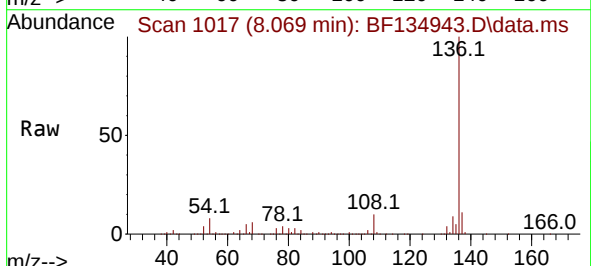
Manual Integrations
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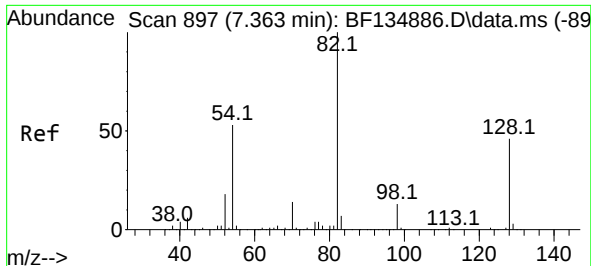
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:136 Resp: 308056
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.6 6.6 9.8
68 5.8 5.0 7.4





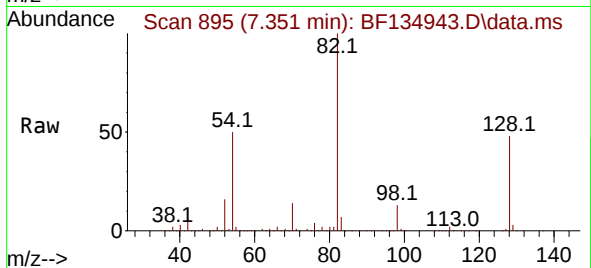
#23
Nitrobenzene-d5
Concen: 65.404 ng
RT: 7.351 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

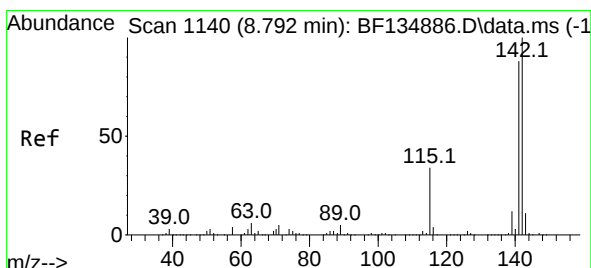
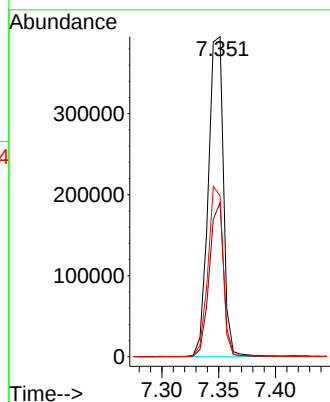
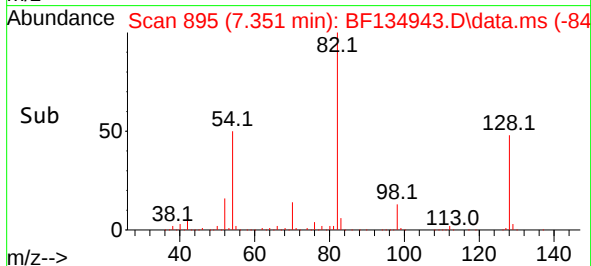


Tgt Ion: 82 Resp: 365638
Ion Ratio Lower Upper
82 100
128 48.1 36.6 54.8
54 50.3 42.6 63.8

Manual Integrations

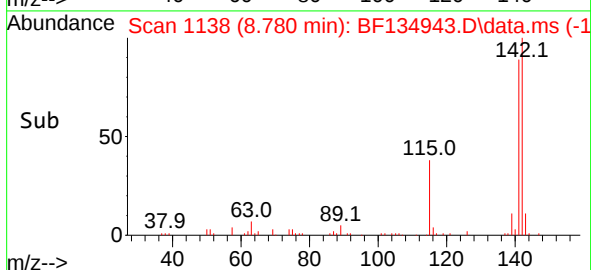
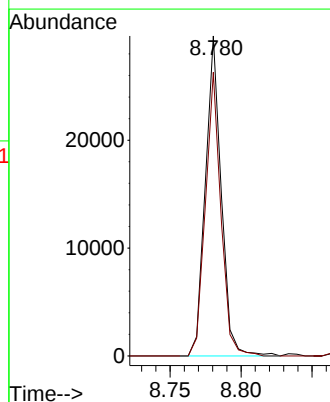
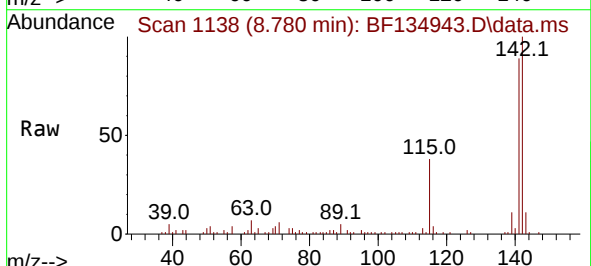
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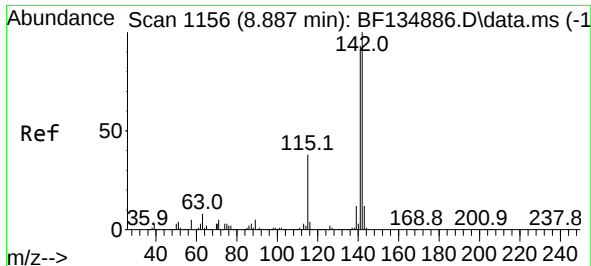
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#37
2-Methylnaphthalene
Concen: 2.255 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:142 Resp: 23133
Ion Ratio Lower Upper
142 100
141 88.6 70.2 105.2





#38
1-Methylnaphthalene
Concen: 2.530 ng
RT: 8.880 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

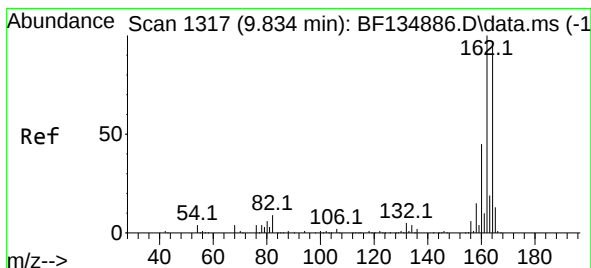
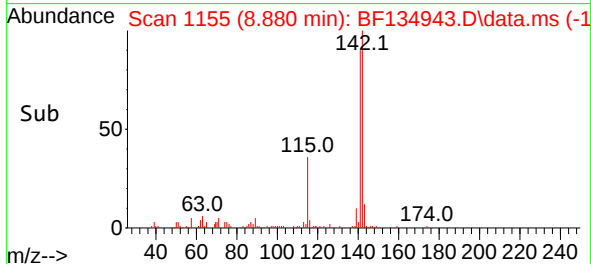
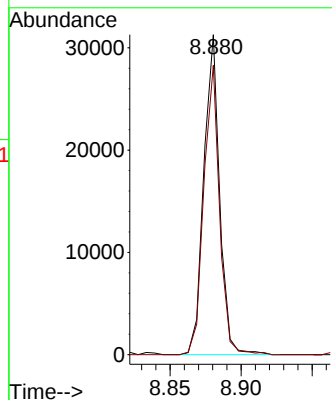
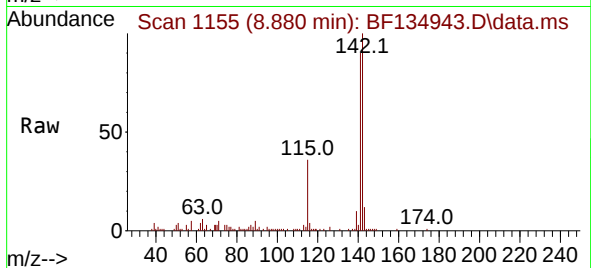
SS-TP-23(0-1)

Tgt Ion:142 Resp: 24264
Ion Ratio Lower Upper
142 100
141 90.4 74.1 111.1

Manual Integrations

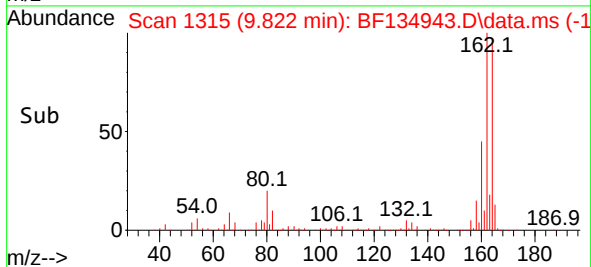
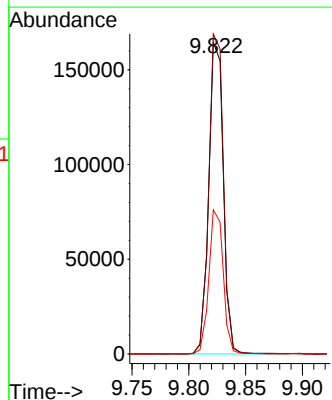
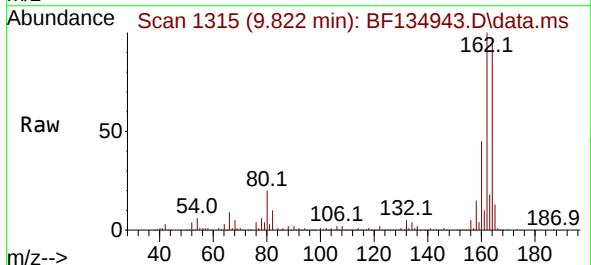
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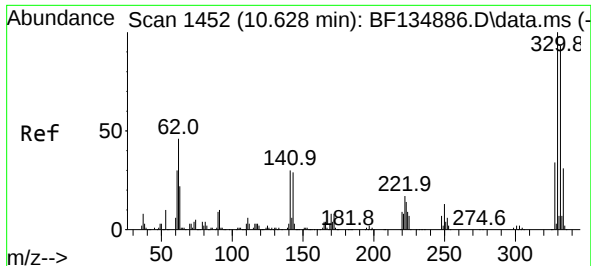
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:164 Resp: 146660
Ion Ratio Lower Upper
164 100
162 102.7 82.6 123.8
160 46.3 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 79.931 ng
RT: 10.616 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

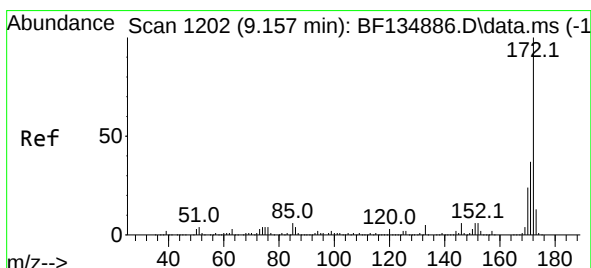
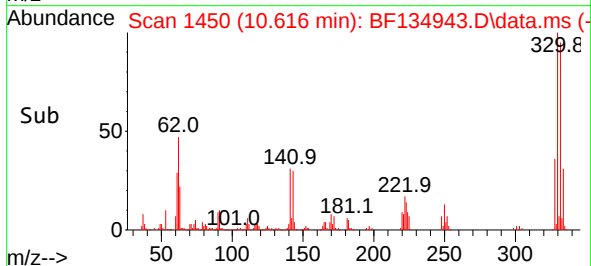
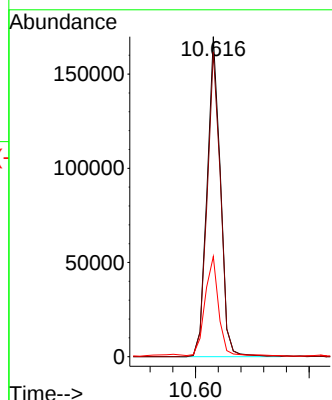
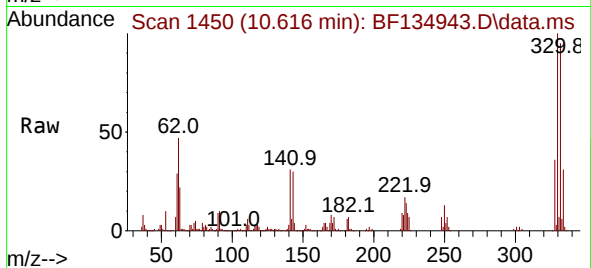
SS-TP-23(0-1)

Tgt Ion:330 Resp: 138064
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 32.4 23.4 35.2

Manual Integrations

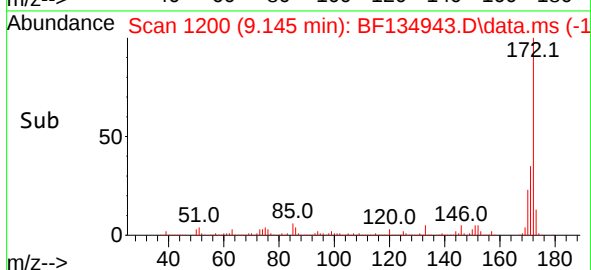
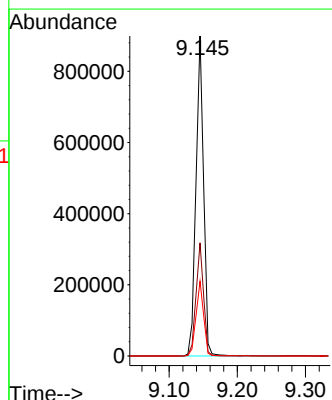
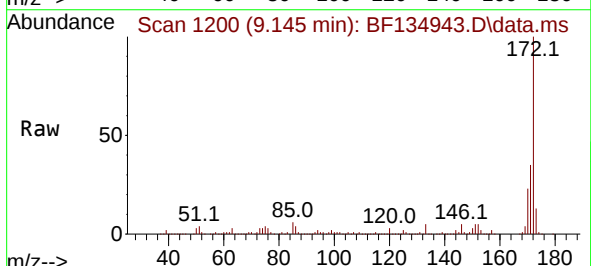
APPROVED

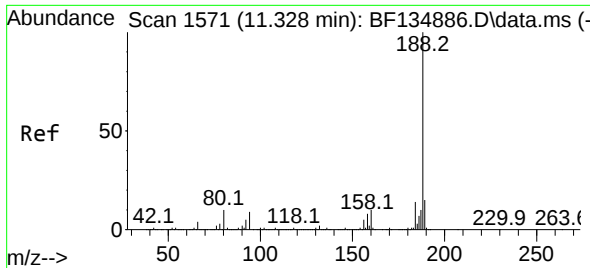
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#45
2-Fluorobiphenyl
Concen: 73.909 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:172 Resp: 701176
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 23.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

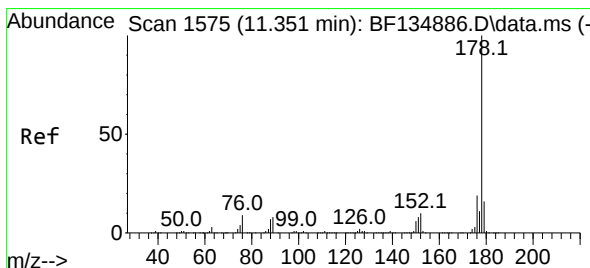
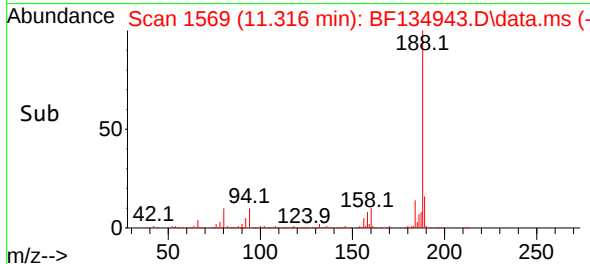
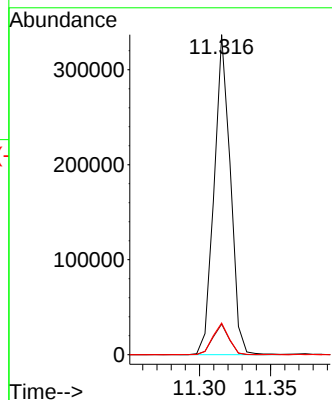
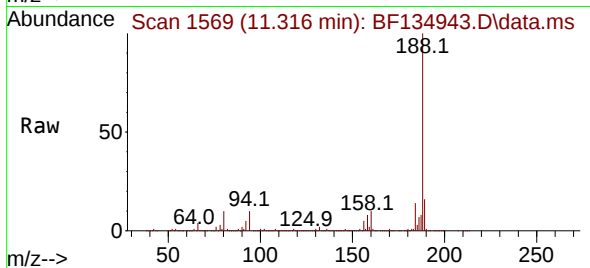
SS-TP-23(0-1)

Tgt Ion:188 Resp: 26778
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 9.9 7.8 11.6

Manual Integrations

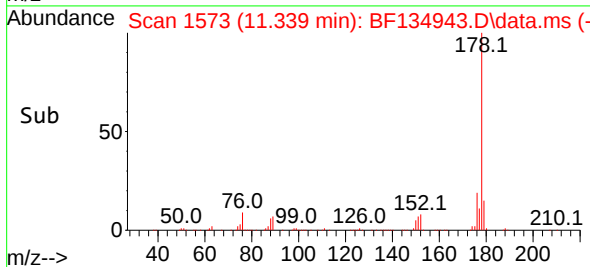
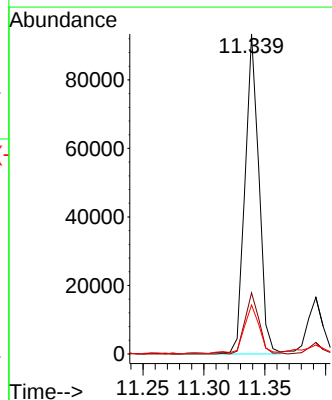
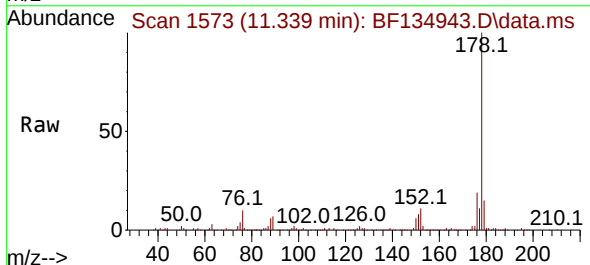
APPROVED

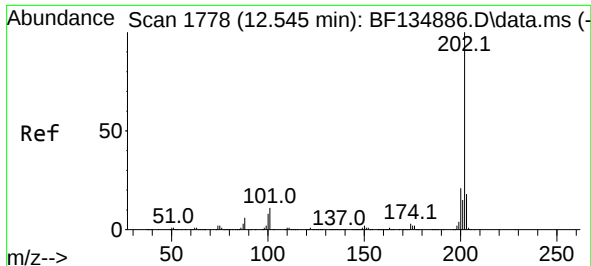
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#71
Phenanthrene
Concen: 5.326 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

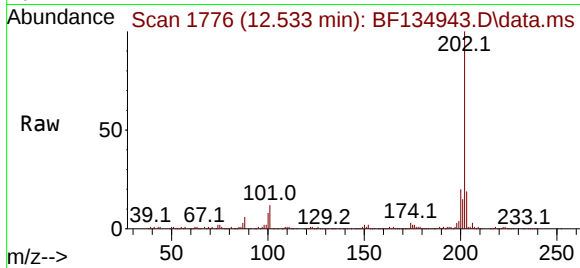
Tgt Ion:178 Resp: 74738
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 7.976 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

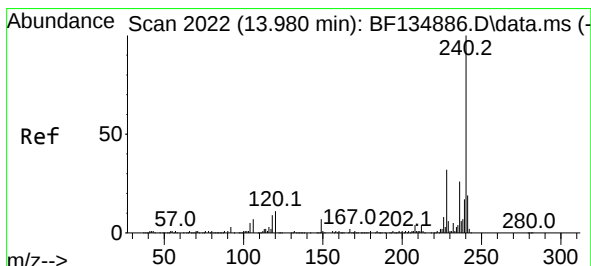
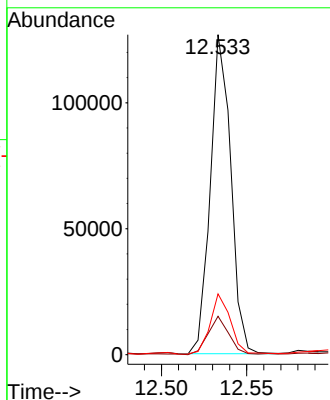
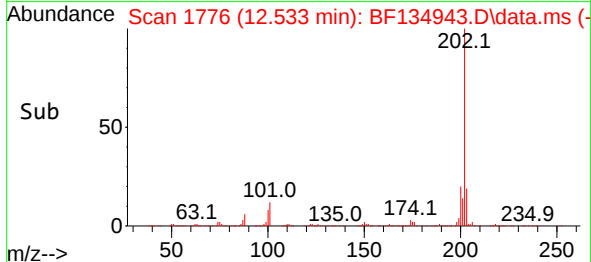
Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)



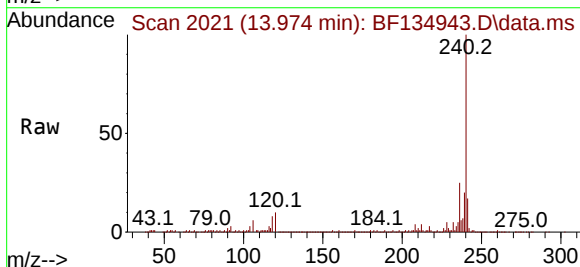
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Ion Ratio Lower Upper
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101 12.0 0.0 30.5
203 19.0 0.0 37.8

Manual Integrations
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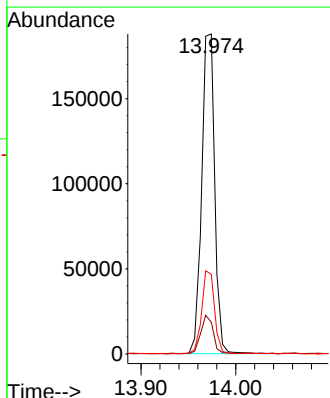
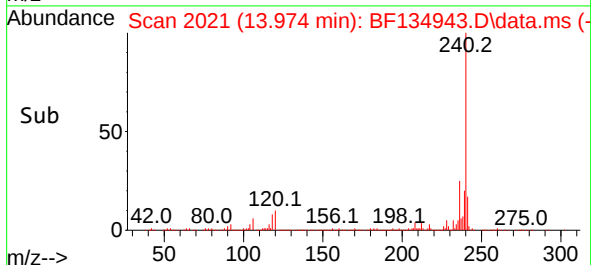
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

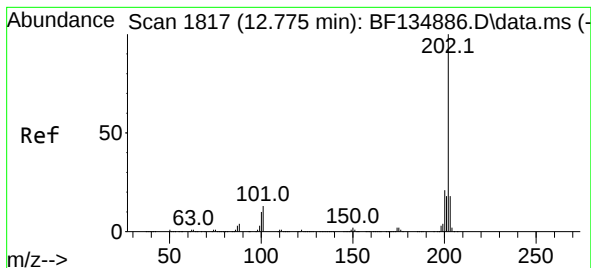


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24



Tgt Ion:240 Resp: 179648
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 24.9 20.6 31.0





#78

Pyrene

Concen: 4.788 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.012 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

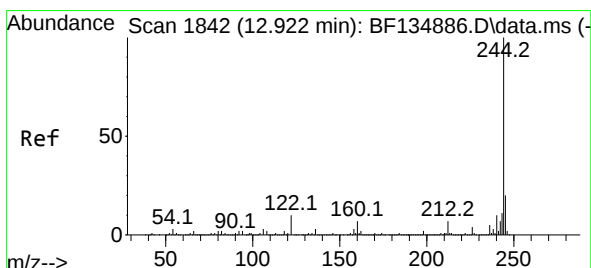
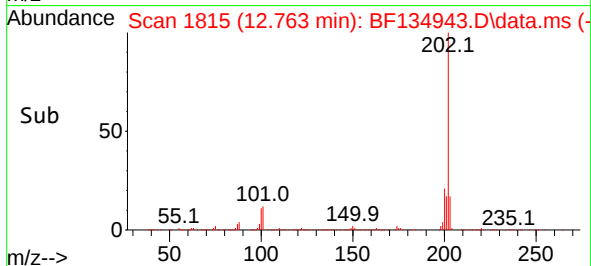
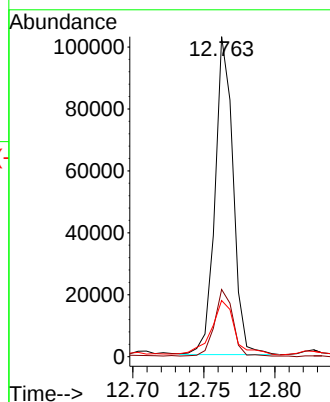
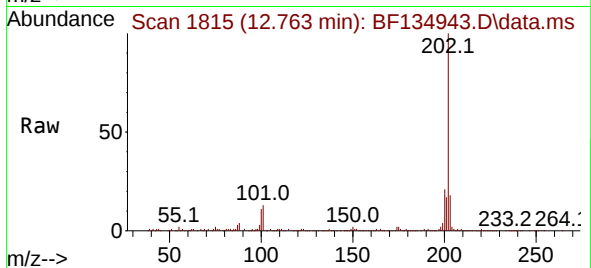
Tgt Ion:	202	Resp:	91199
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.1	25.7
203	17.6	14.2	21.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#79

Terphenyl-d14

Concen: 60.905 ng

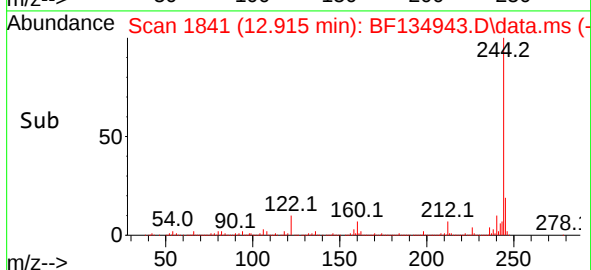
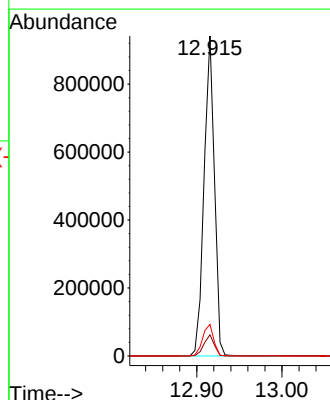
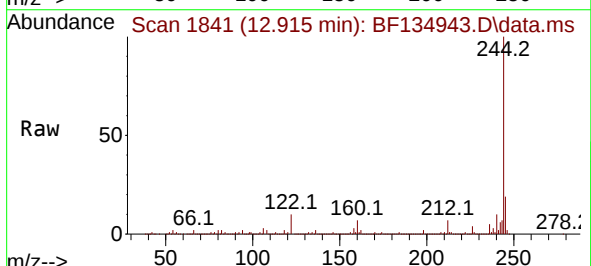
RT: 12.915 min Scan# 1841

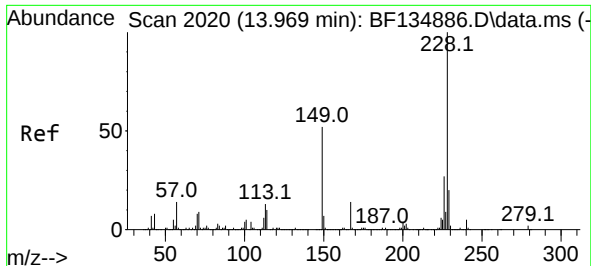
Delta R.T. -0.007 min

Lab File: BF134943.D

Acq: 25 Aug 2023 16:24

Tgt Ion:	244	Resp:	795515
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	9.9	8.2	12.4





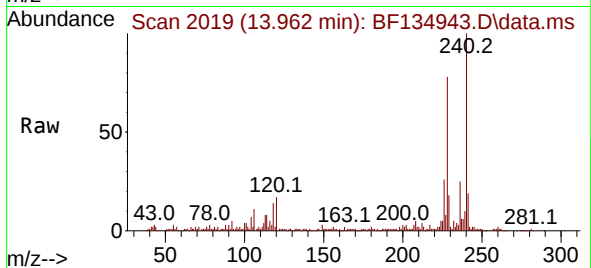
#81
Benzo(a)anthracene
Concen: 4.070 ng
RT: 13.962 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

SS-TP-23(0-1)

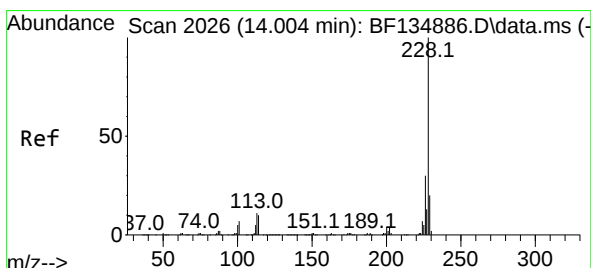
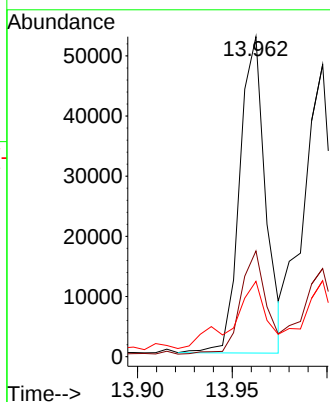
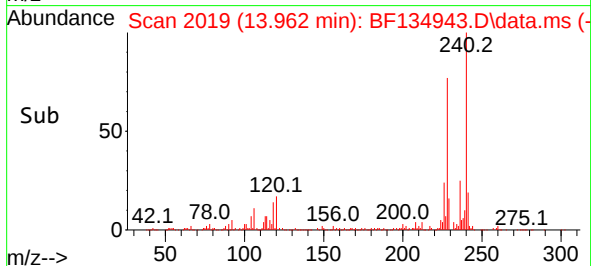


Tgt Ion:228 Resp: 49892
Ion Ratio Lower Upper
228 100
226 33.1 21.8 32.6
229 23.5 15.6 23.4

Manual Integrations

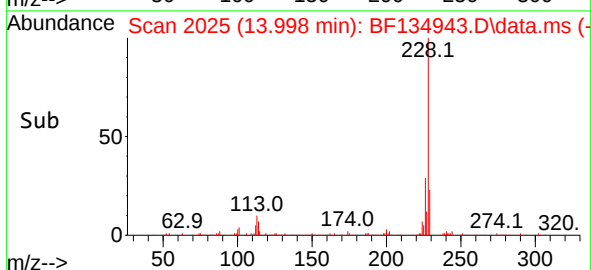
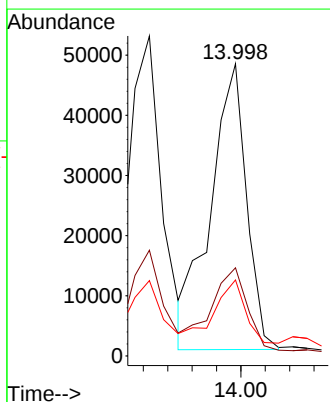
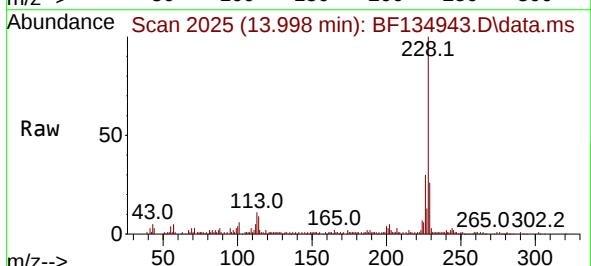
APPROVED

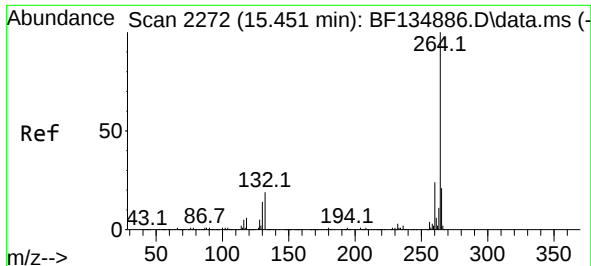
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#83
Chrysene
Concen: 4.043 ng m
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Tgt Ion:228 Resp: 48898
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 26.0 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :

BNA_F

ClientSampleId :

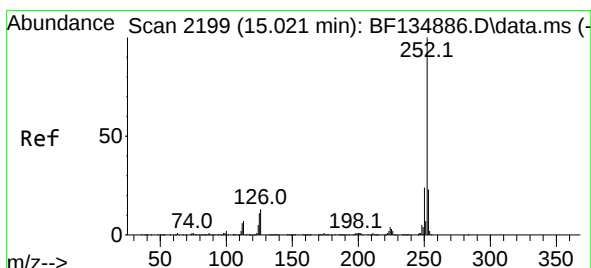
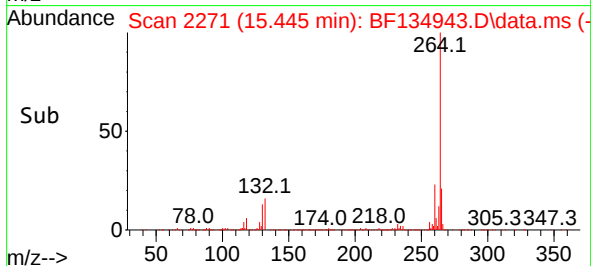
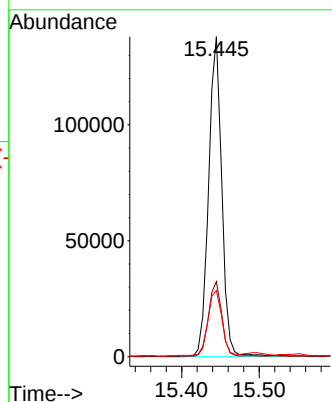
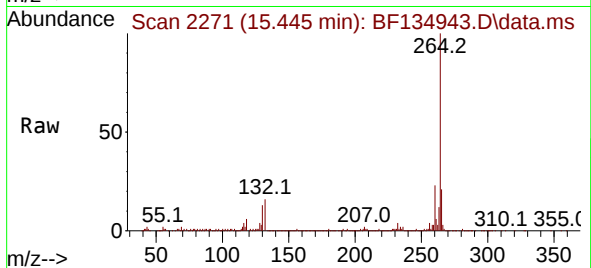
SS-TP-23(0-1)

Tgt Ion:264 Resp: 16303
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 20.7 17.1 25.7

Manual Integrations

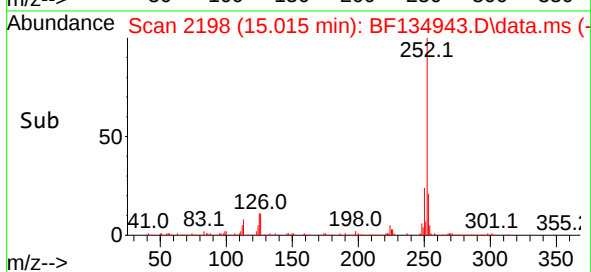
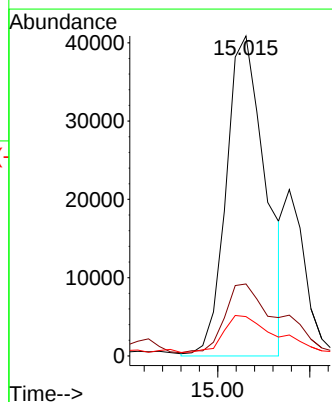
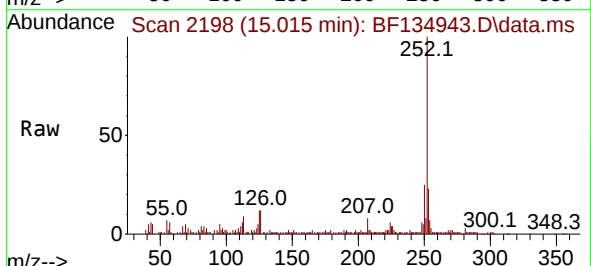
APPROVED

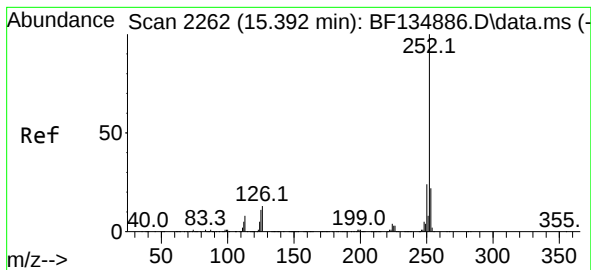
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#88
Benzo(b)fluoranthene
Concen: 6.638 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

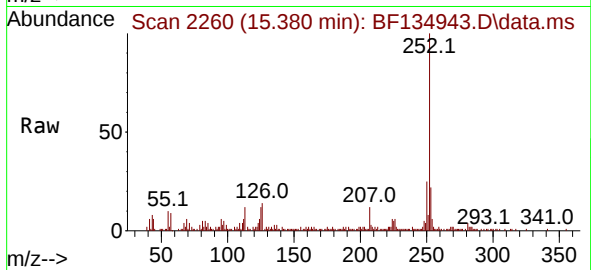
Tgt Ion:252 Resp: 61059
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 12.3 8.4 12.6





#90
Benzo(a)pyrene
Concen: 3.977 ng
RT: 15.380 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134943.D
Acq: 25 Aug 2023 16:24

Instrument :
BNA_F
ClientSampleId :
SS-TP-23(0-1)



Tgt Ion:252 Resp: 36515
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 11.8 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

