

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
 Data File : BF132039.D
 Acq On : 12 Jan 2023 13:45
 Operator : CG\JU
 Sample : 01080-06DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-3-(40-42)DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023

Quant Time: Jan 12 15:10:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 15:02:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	74334	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	273987	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	161003	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	303567	20.000	ng	0.00
76) Chrysene-d12	13.957	240	144979	20.000	ng	# 0.00
86) Perylene-d12	15.416	264	145263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	84747	18.786	ng	0.00
7) Phenol-d6	6.416	99	114120	19.080	ng	0.00
23) Nitrobenzene-d5	7.340	82	76157	11.536	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	21590	11.663	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	126158	10.578	ng	0.00
79) Terphenyl-d14	12.898	244	114866	11.356	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.081	128	451735	31.198	ng	100
38) 1-Methylnaphthalene	8.875	142	27042	2.807	ng	100
52) Acenaphthene	9.851	154	51194	5.698	ng	97
55) Dibenzofuran	10.028	168	51077	3.607	ng	97
58) Fluorene	10.369	166	32511	2.874	ng	97
71) Phenanthrene	11.333	178	309543	19.560	ng	99
72) Anthracene	11.386	178	122053	7.492	ng	99
75) Fluoranthene	12.527	202	353559	19.866	ng	99
78) Pyrene	12.757	202	293464	22.194	ng	99
81) Benzo(a)anthracene	13.945	228	80597	7.641	ng	99
83) Chrysene	13.986	228	65908	6.686	ng	97
87) Indeno(1,2,3-cd)pyrene	16.868	276	38845	4.360	ng	98
88) Benzo(b)fluoranthene	14.992	252	66656m	6.690	ng	
89) Benzo(k)fluoranthene	15.021	252	24126m	2.426	ng	
90) Benzo(a)pyrene	15.357	252	60087	6.694	ng	# 96
92) Benzo(g,h,i)perylene	17.304	276	37177	7.833	ng	97

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

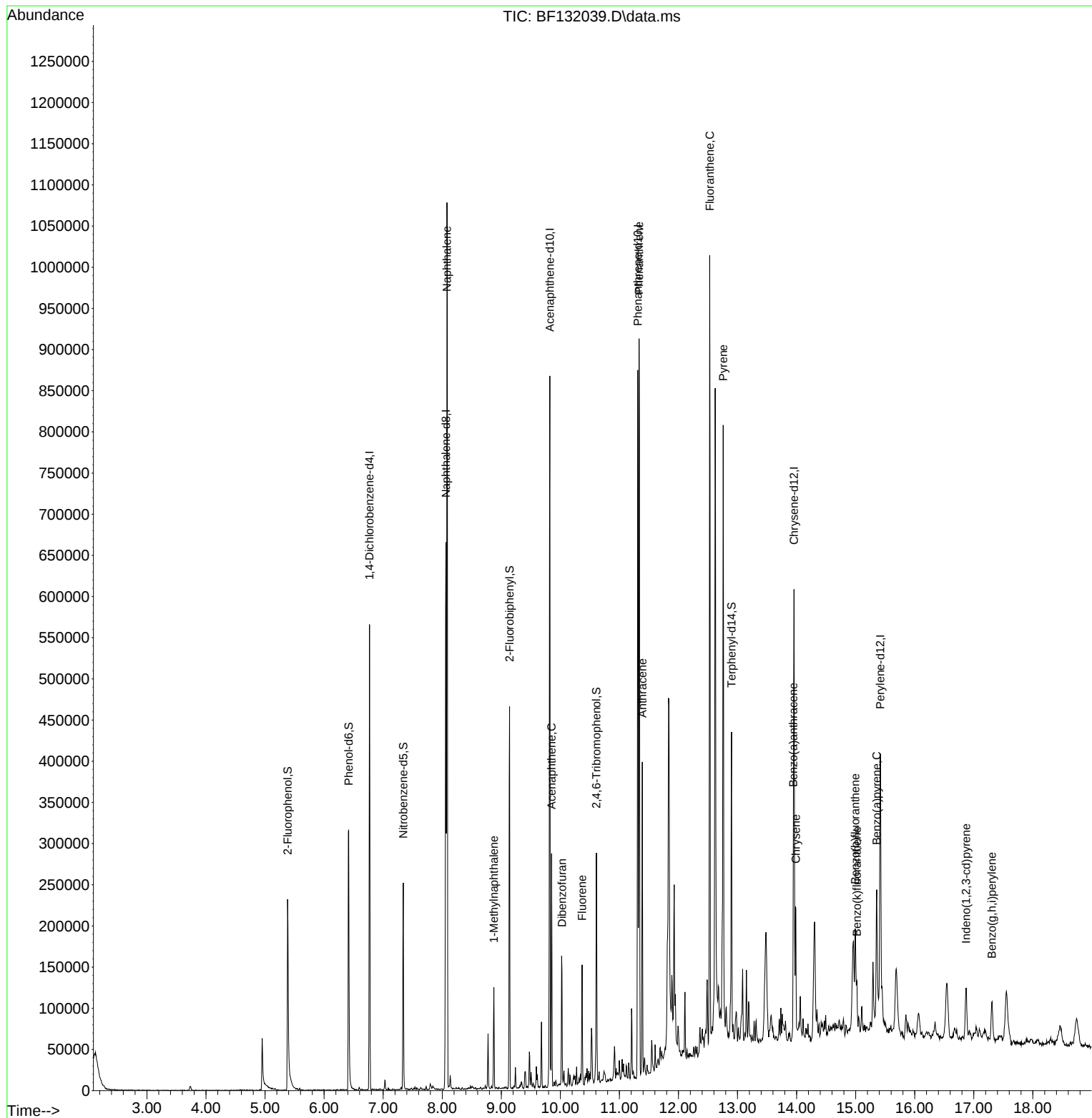
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011223\
Data File : BF132039.D
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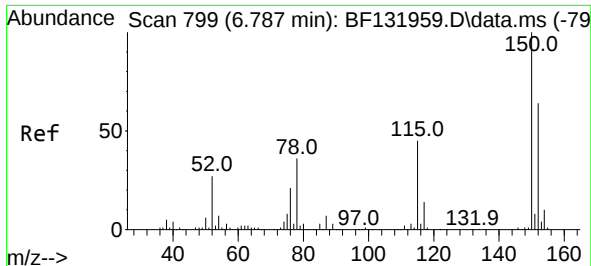
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Quant Time: Jan 12 15:10:41 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
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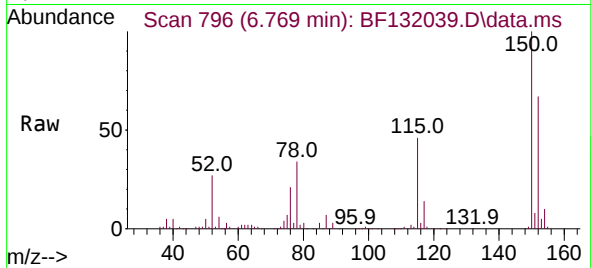
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

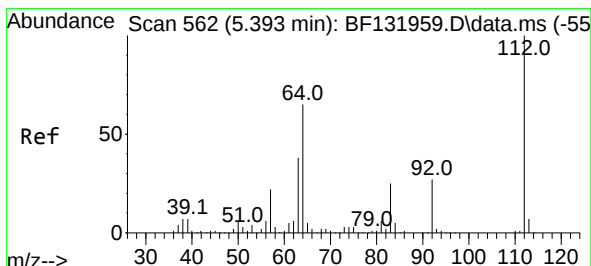
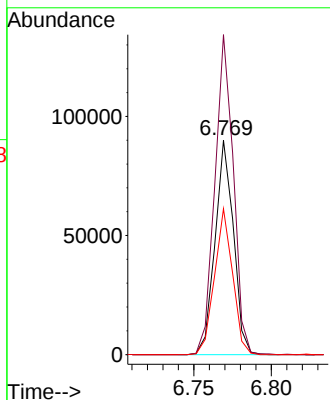
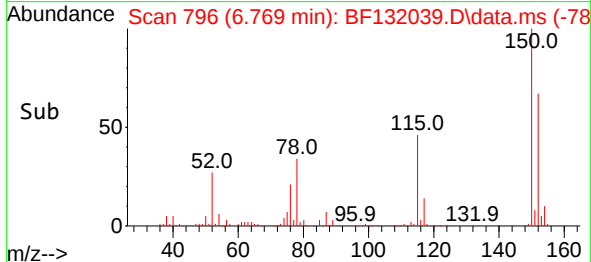
Instrument :
BNA_F
ClientSampleId :
B-3-(40-42)DL



Tgt Ion:152 Resp: 74334
Ion Ratio Lower Upper
152 100
150 149.3 124.6 186.8
115 68.0 55.6 83.4

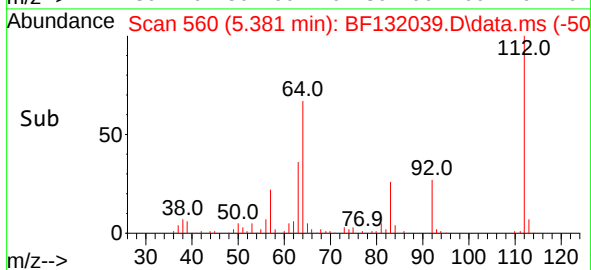
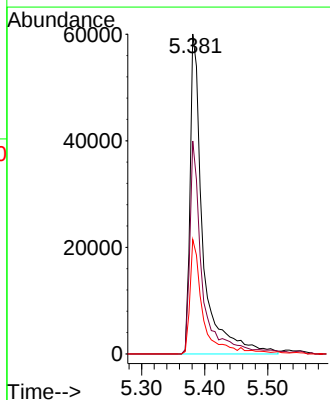
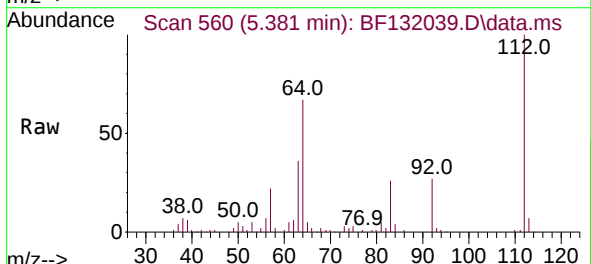
Manual Integrations
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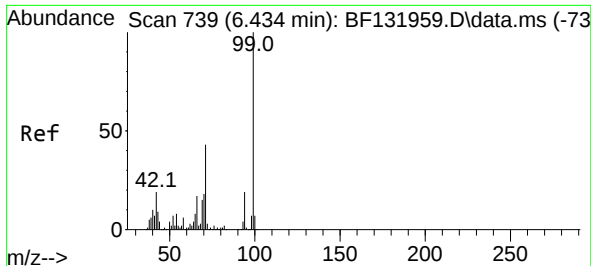
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#5
2-Fluorophenol
Concen: 18.786 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.000 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

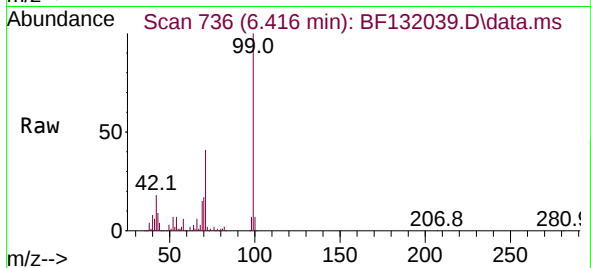
Tgt Ion:112 Resp: 84747
Ion Ratio Lower Upper
112 100
64 66.5 51.9 77.9
63 35.7 30.2 45.2





#7
Phenol-d6
Concen: 19.080 ng
RT: 6.416 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

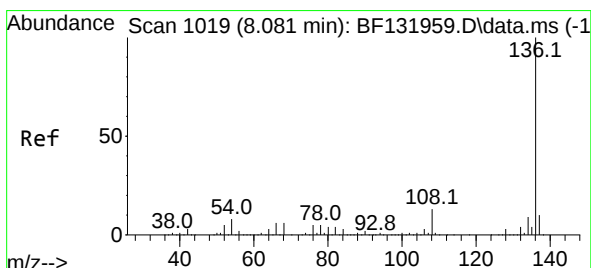
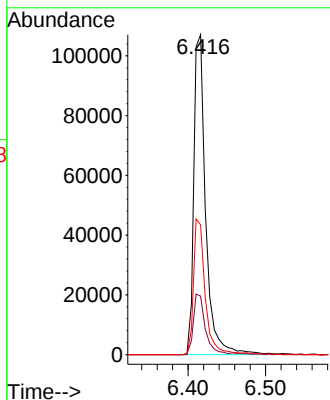
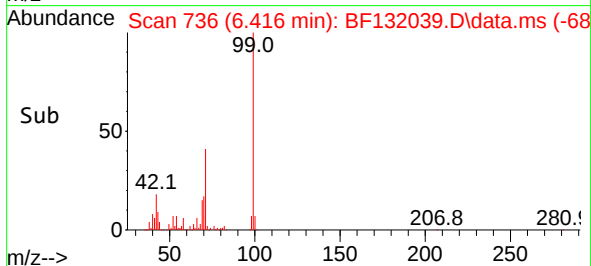
Instrument :
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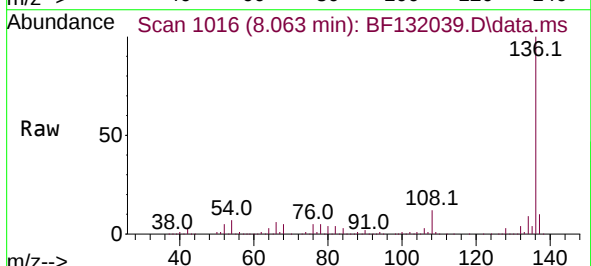
Tgt Ion: 99 Resp: 114120
Ion Ratio Lower Upper
99 100
42 18.3 15.4 23.2
71 40.5 34.6 51.8

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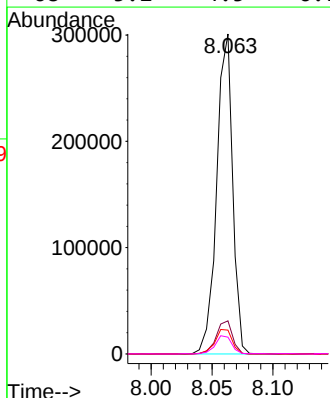
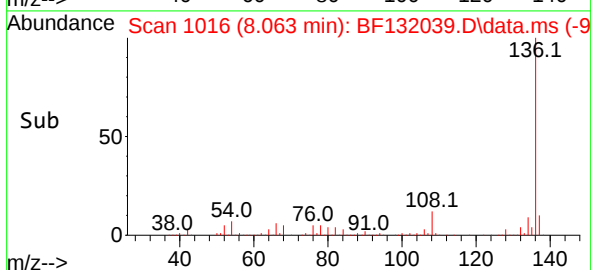
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

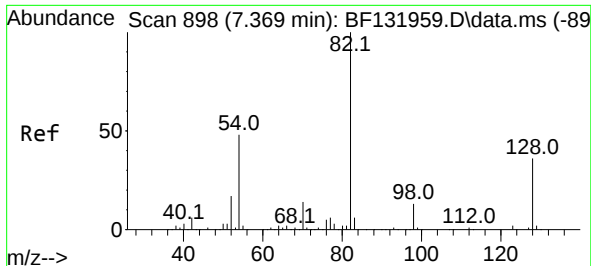


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45



Tgt Ion:136 Resp: 273987
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.2
54 7.4 6.6 9.8
68 5.2 4.5 6.7





#23
Nitrobenzene-d5
Concen: 11.536 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.011 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Instrument :

BNA_F

ClientSampleId :

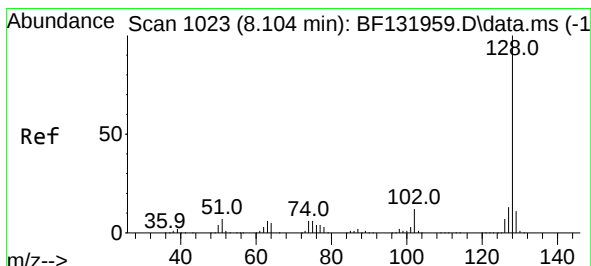
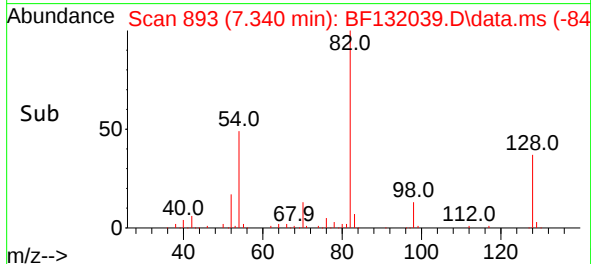
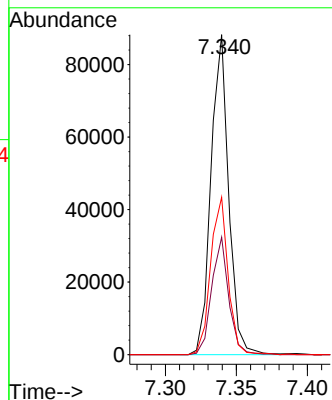
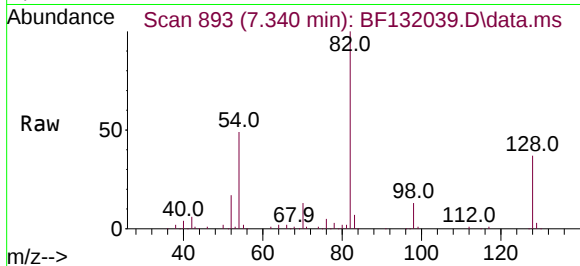
B-3-(40-42)DL

Tgt Ion: 82 Resp: 76152
Ion Ratio Lower Upper
82 100
128 36.7 28.7 43.1
54 49.2 38.1 57.1

Manual Integrations

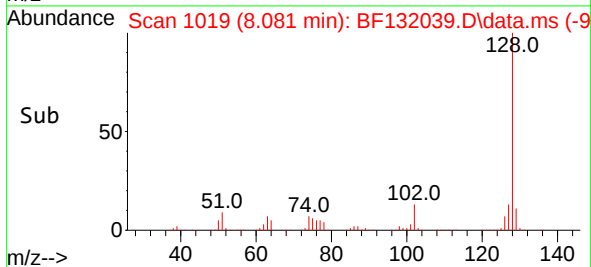
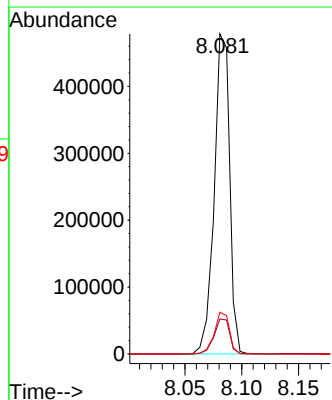
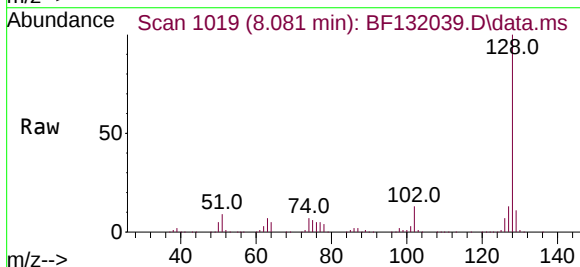
APPROVED

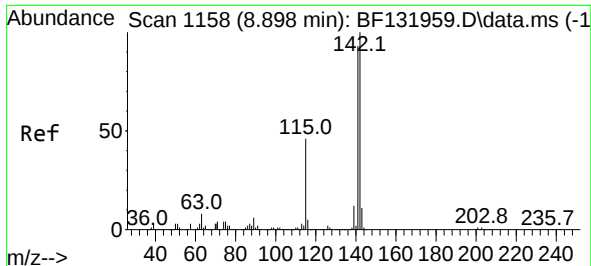
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#31
Naphthalene
Concen: 31.198 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Tgt Ion:128 Resp: 451735
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.0 10.5 15.7





#38

1-Methylnaphthalene

Concen: 2.807 ng

RT: 8.875 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Instrument :

BNA_F

ClientSampleId :

B-3-(40-42)DL

Tgt Ion:142 Resp: 27042

Ion Ratio Lower Upper

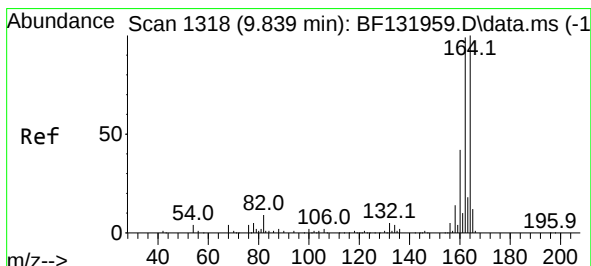
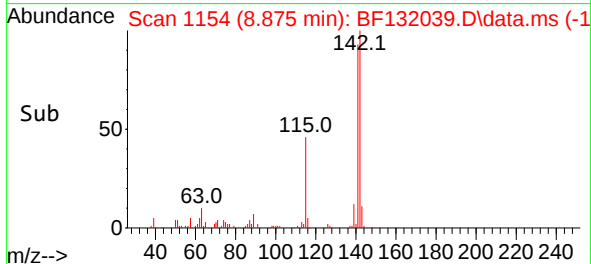
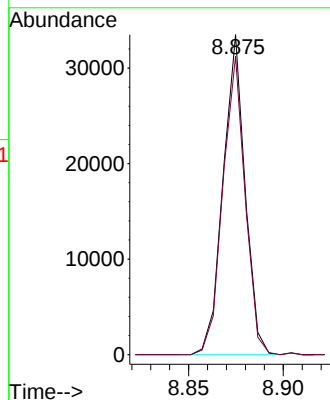
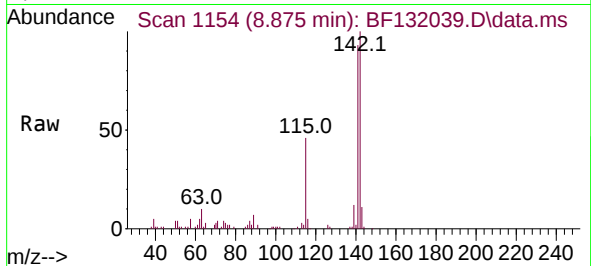
142 100

141 93.3 74.3 111.5

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

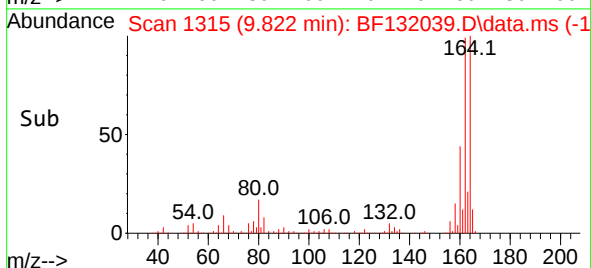
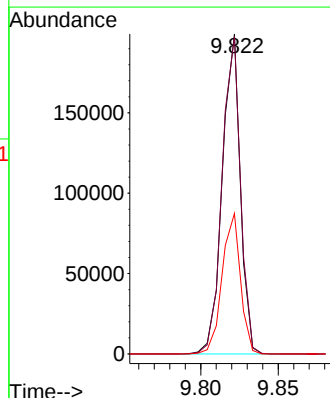
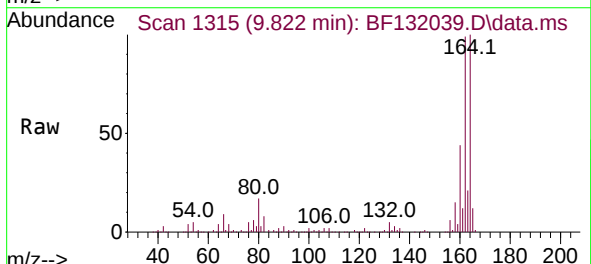
Tgt Ion:164 Resp: 161003

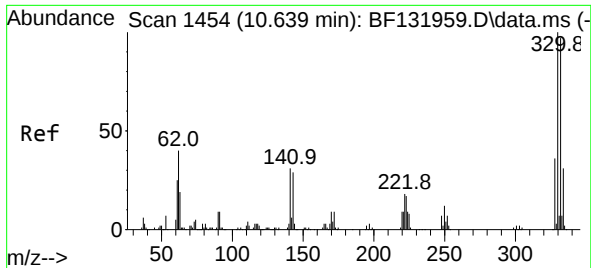
Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.0

160 43.9 33.9 50.9





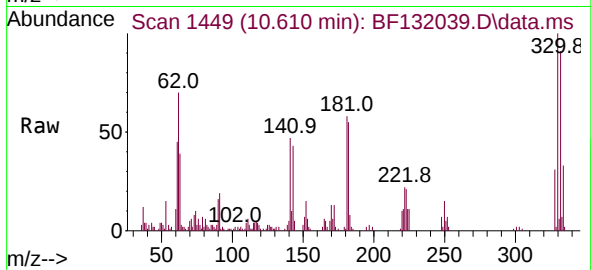
#42
2,4,6-Tribromophenol
Concen: 11.663 ng
RT: 10.610 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Instrument :

BNA_F

ClientSampleId :

B-3-(40-42)DL

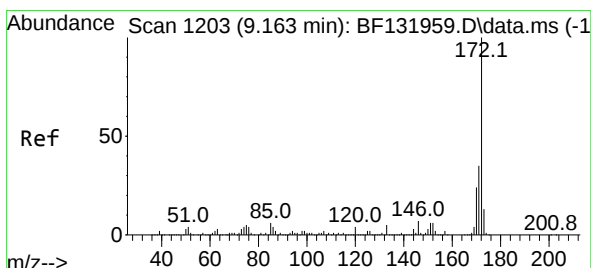
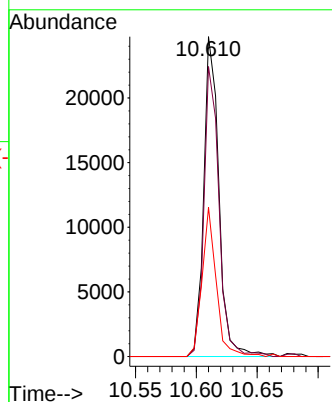
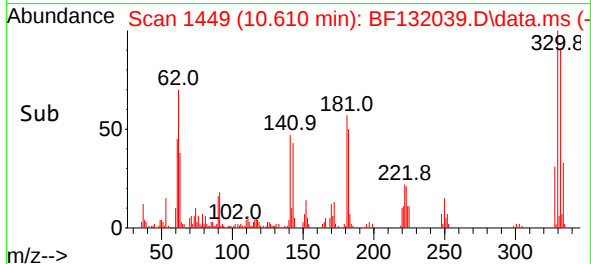


Tgt Ion:330 Resp: 21590
Ion Ratio Lower Upper
330 100
332 90.0 76.9 115.3
141 43.6 31.3 46.9

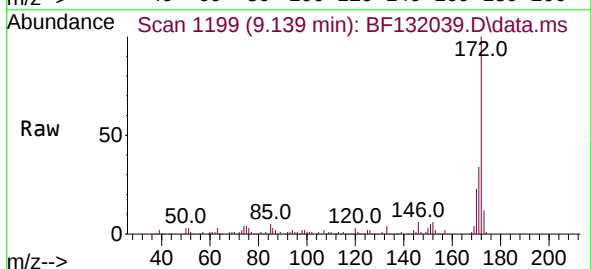
Manual Integrations

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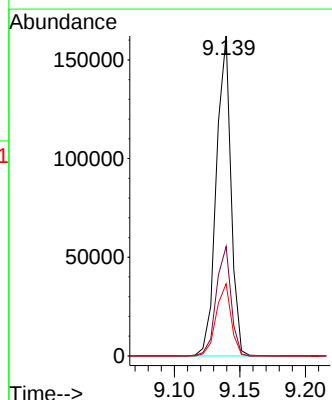
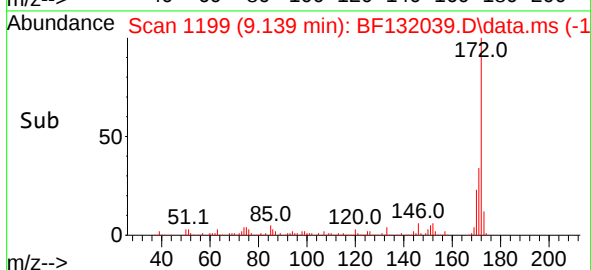
Reviewed By :Jagrut Upadhyay 01/13/2023
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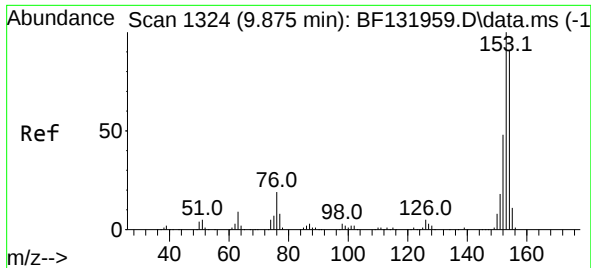


#45
2-Fluorobiphenyl
Concen: 10.578 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45



Tgt Ion:172 Resp: 126158
Ion Ratio Lower Upper
172 100
171 34.2 28.0 42.0
170 22.5 18.9 28.3





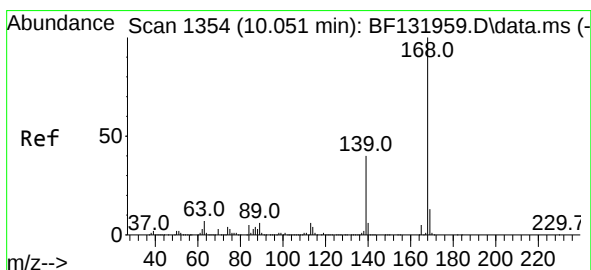
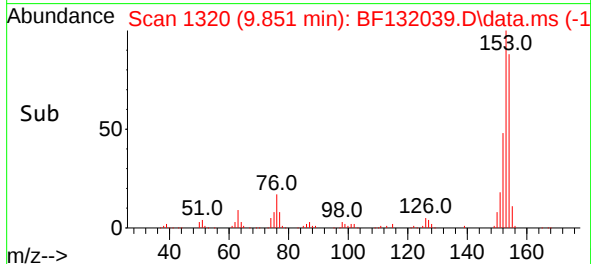
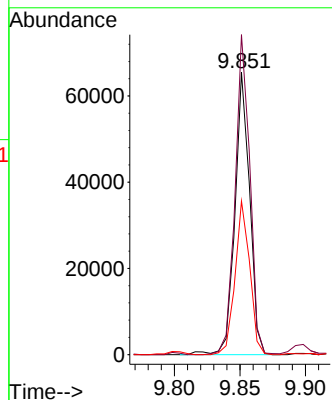
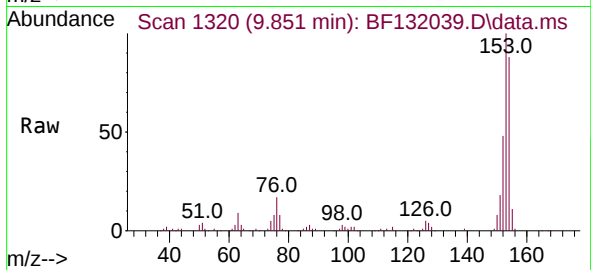
#52
Acenaphthene
Concen: 5.698 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.011 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Instrument :
BNA_F
ClientSampleId :
B-3-(40-42)DL

Tgt Ion:154 Resp: 51194
Ion Ratio Lower Upper
154 100
153 113.4 87.7 131.5
152 54.4 42.2 63.2

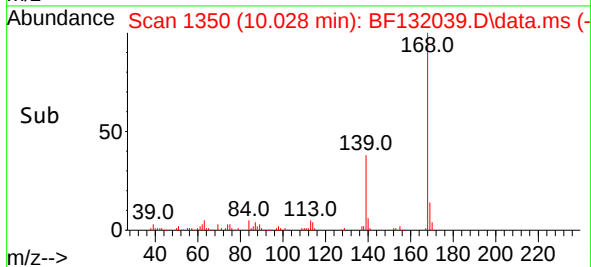
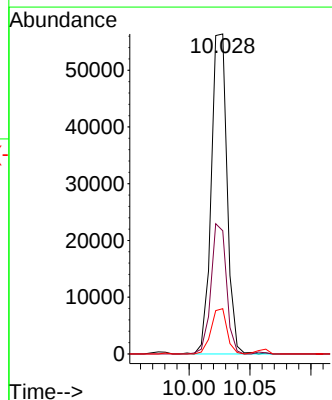
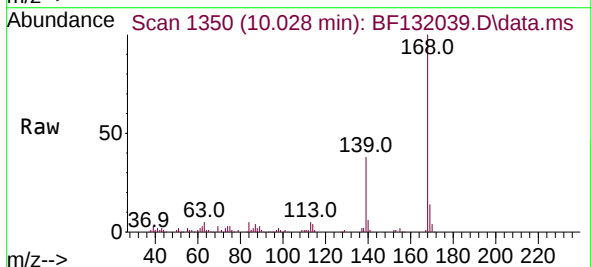
Manual Integrations
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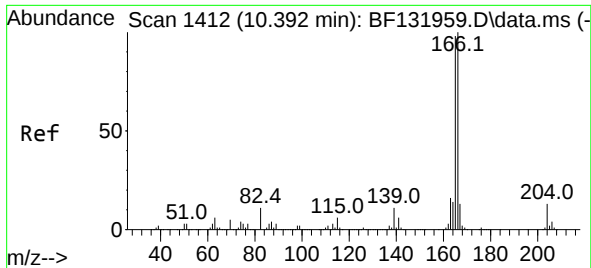
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#55
Dibenzofuran
Concen: 3.607 ng
RT: 10.028 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

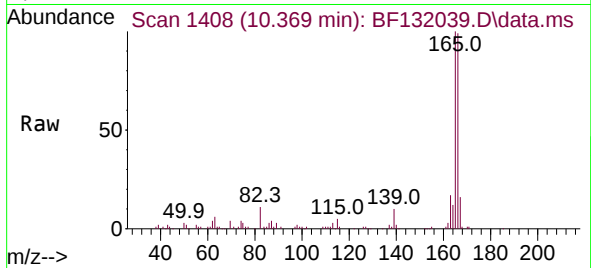
Tgt Ion:168 Resp: 51077
Ion Ratio Lower Upper
168 100
139 38.5 32.4 48.6
169 14.2 10.7 16.1





#58
Fluorene
Concen: 2.874 ng
RT: 10.369 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

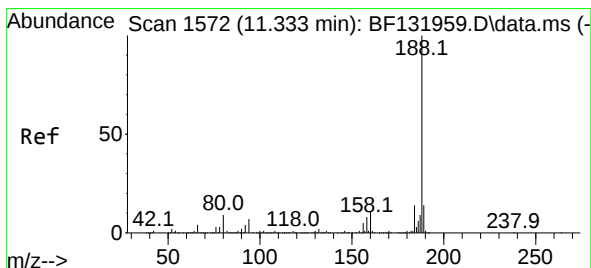
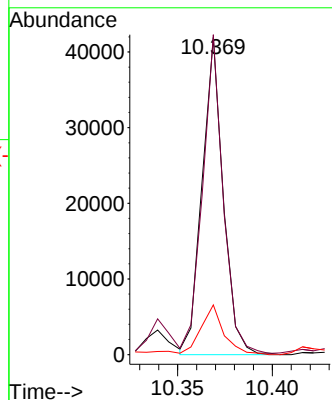
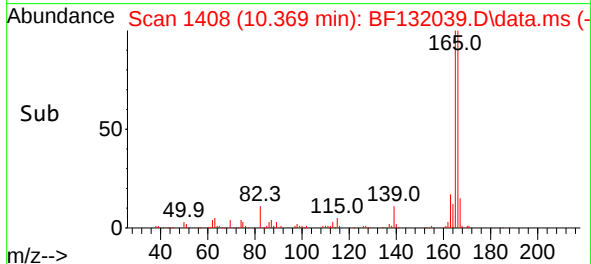
Instrument :
BNA_F
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B-3-(40-42)DL



Tgt Ion:166 Resp: 3251
Ion Ratio Lower Upper
166 100
165 100.9 78.3 117.5
167 15.6 10.7 16.1

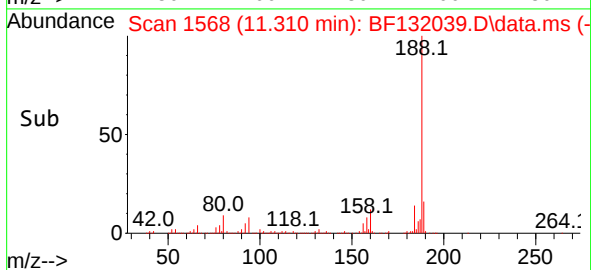
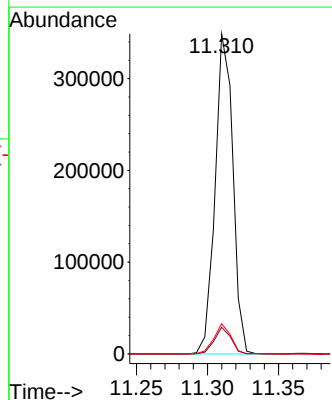
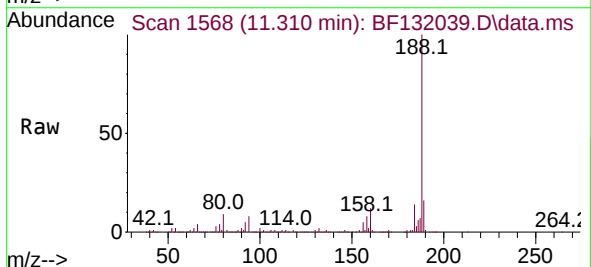
Manual Integrations
APPROVED

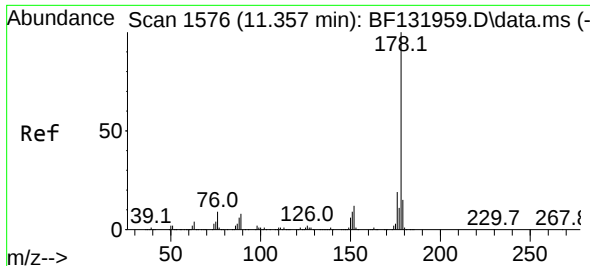
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Tgt Ion:188 Resp: 303567
Ion Ratio Lower Upper
188 100
94 8.3 5.8 8.6
80 9.4 7.4 11.0





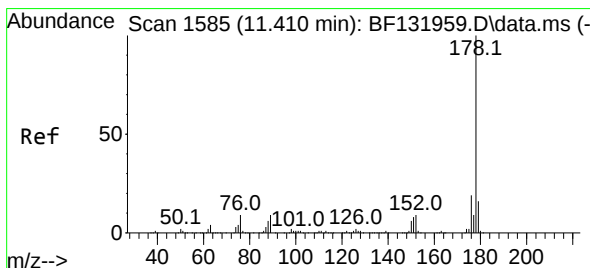
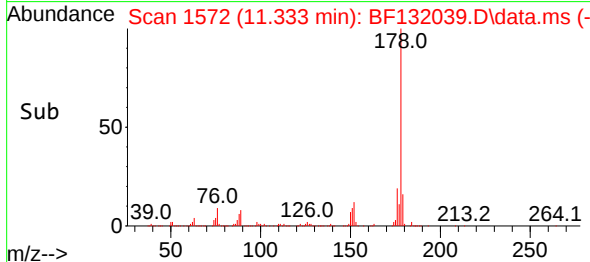
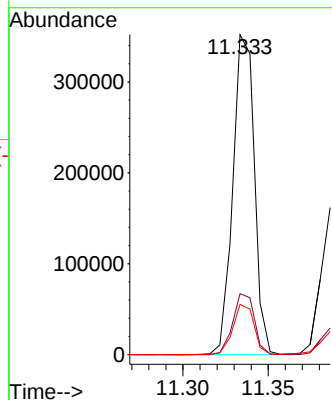
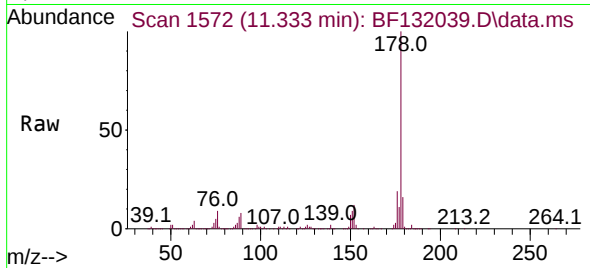
#71
Phenanthrene
Concen: 19.560 ng
RT: 11.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Instrument :
BNA_F
ClientSampleId :
B-3-(40-42)DL

Tgt Ion:178 Resp: 309543
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.7 12.4 18.6

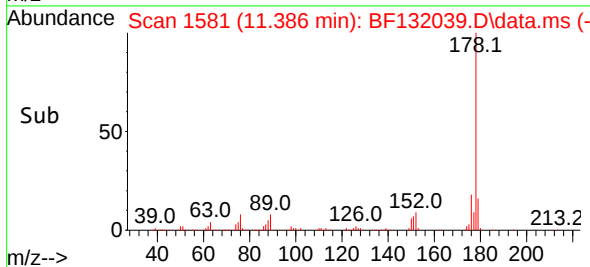
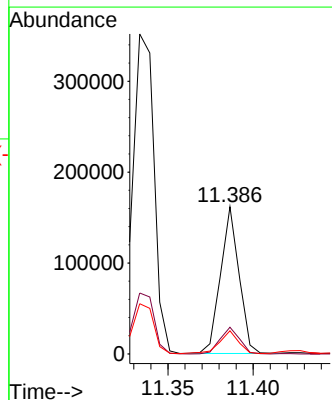
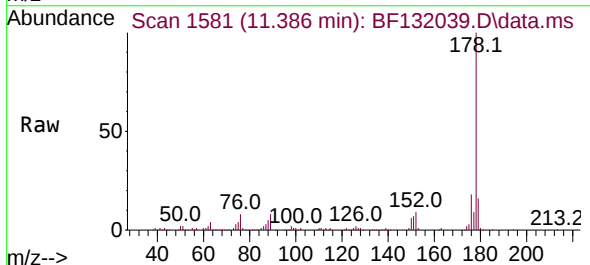
Manual Integrations
APPROVED

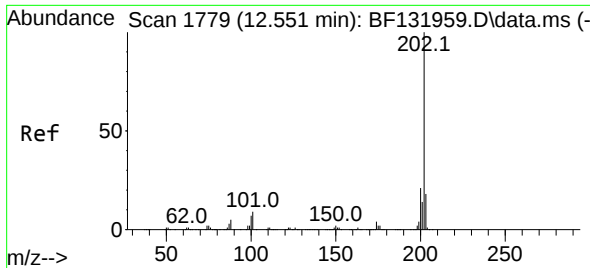
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#72
Anthracene
Concen: 7.492 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

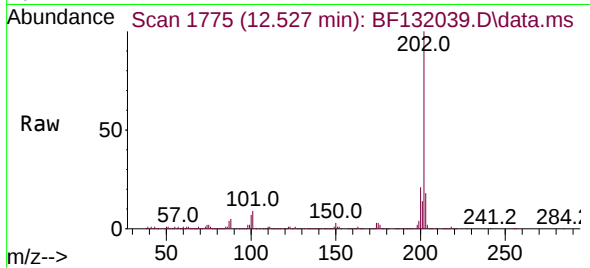
Tgt Ion:178 Resp: 122053
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.8 12.6 19.0





#75
Fluoranthene
Concen: 19.866 ng
RT: 12.527 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

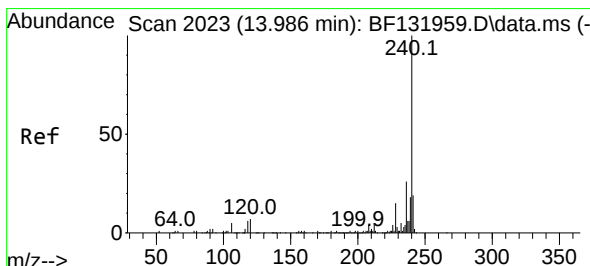
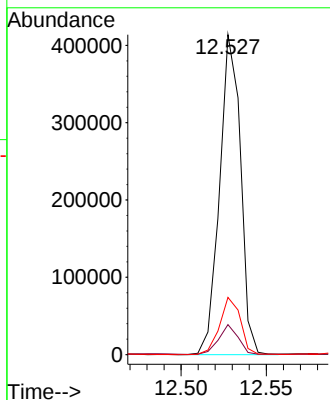
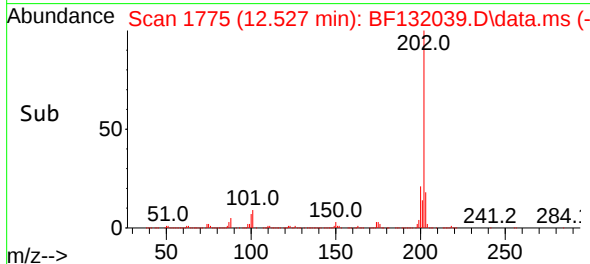
Instrument :
BNA_F
ClientSampleId :
B-3-(40-42)DL



Tgt Ion:202 Resp: 353559
Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.8
203 17.9 0.0 37.6

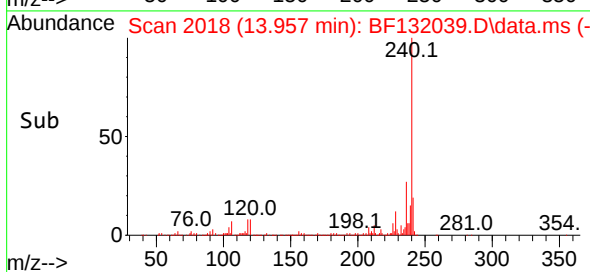
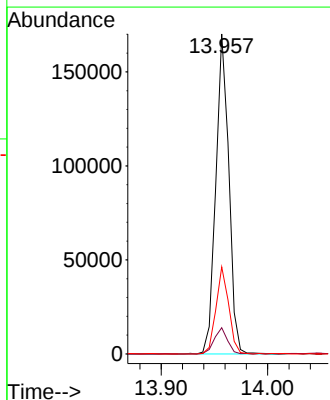
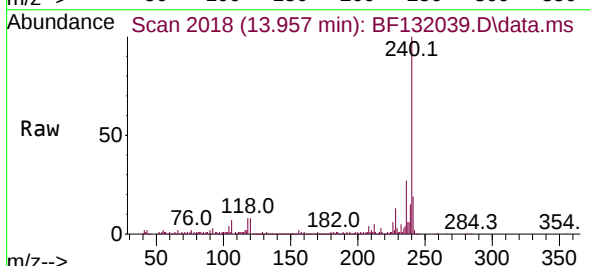
Manual Integrations
APPROVED

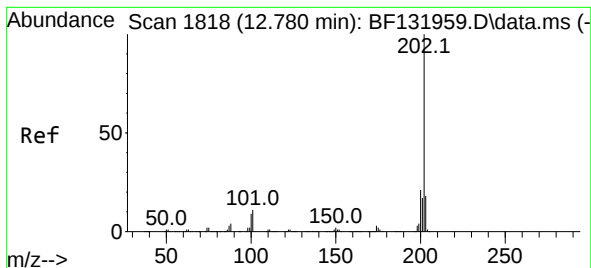
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Tgt Ion:240 Resp: 144979
Ion Ratio Lower Upper
240 100
120 8.2 5.4 8.0#
236 27.2 21.1 31.7





#78

Pyrene

Concen: 22.194 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Instrument :

BNA_F

ClientSampleId :

B-3-(40-42)DL

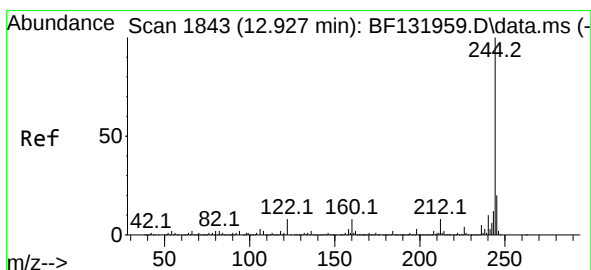
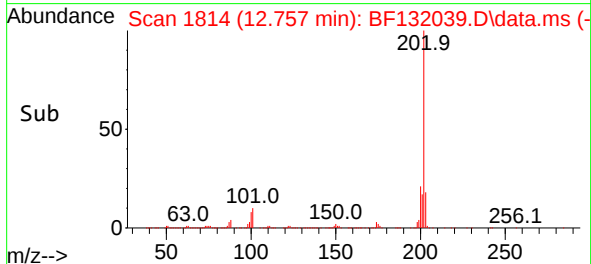
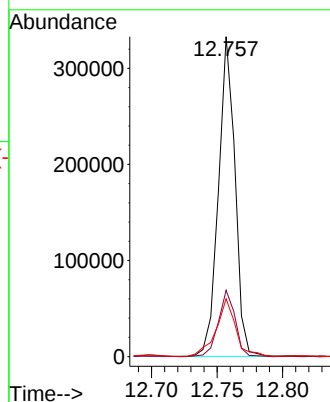
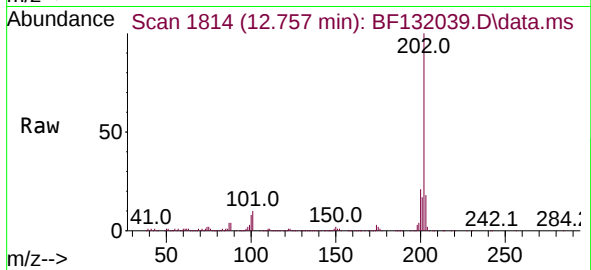
Tgt Ion:202 Resp: 293464

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.6
203	18.1	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#79

Terphenyl-d14

Concen: 11.356 ng

RT: 12.898 min Scan# 1838

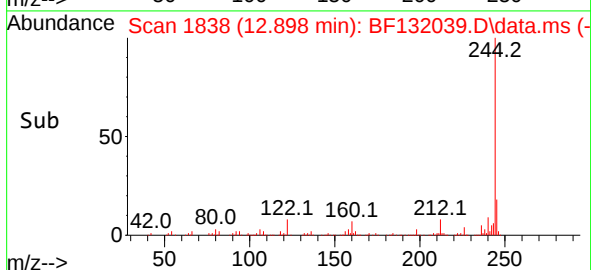
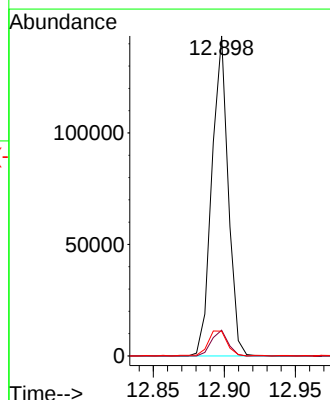
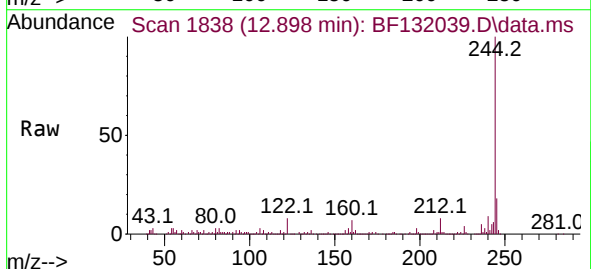
Delta R.T. -0.006 min

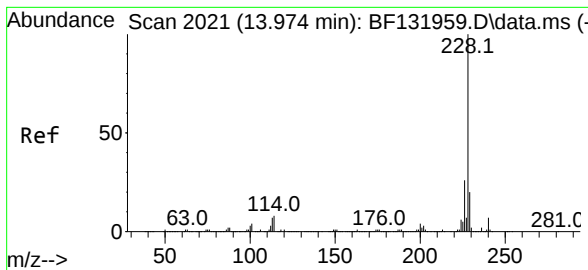
Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Tgt Ion:244 Resp: 114866

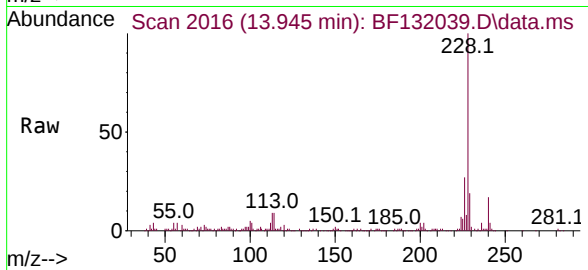
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	7.7	6.8	10.2





#81
Benzo(a)anthracene
Concen: 7.641 ng
RT: 13.945 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

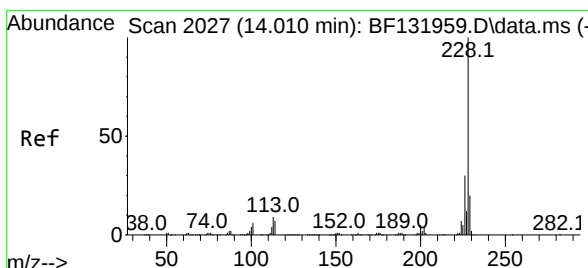
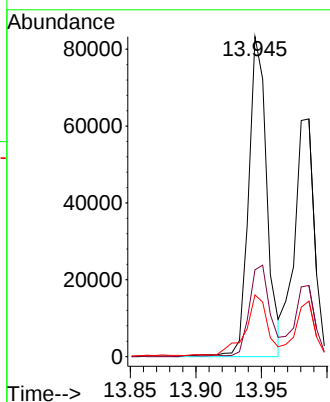
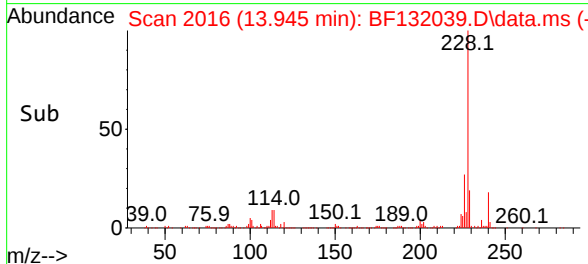
Instrument :
BNA_F
ClientSampleId :
B-3-(40-42)DL



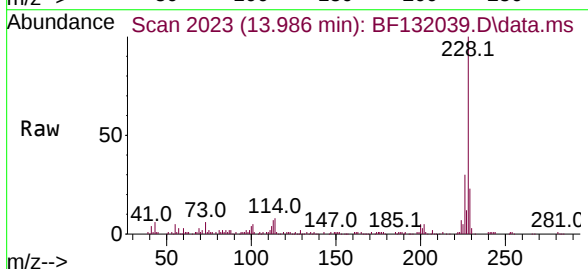
Tgt Ion:228 Resp: 80597
Ion Ratio Lower Upper
228 100
226 27.1 21.0 31.4
229 19.3 15.8 23.6

Manual Integrations
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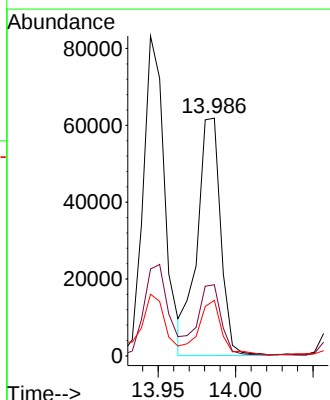
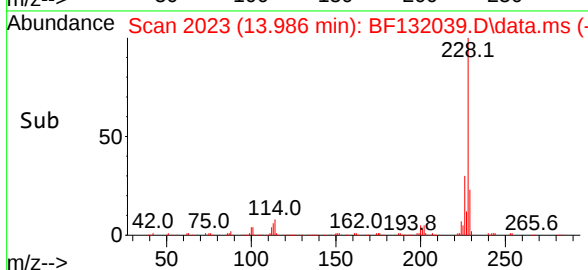
Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023

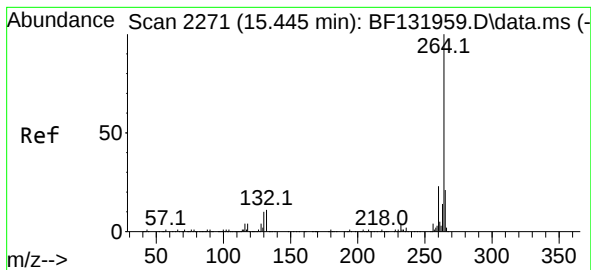


#83
Chrysene
Concen: 6.686 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45



Tgt Ion:228 Resp: 65908
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 23.4 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Instrument :

BNA_F

ClientSampleId :

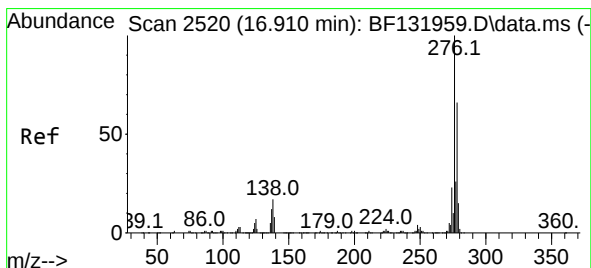
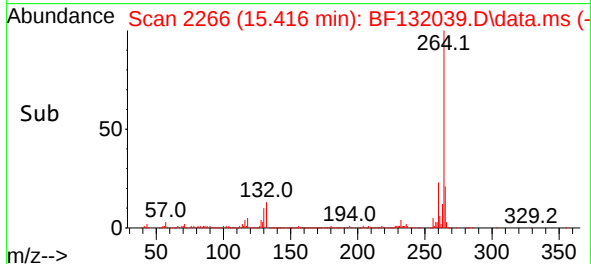
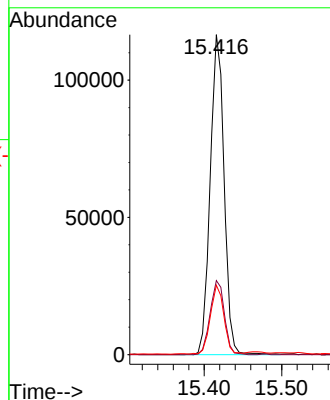
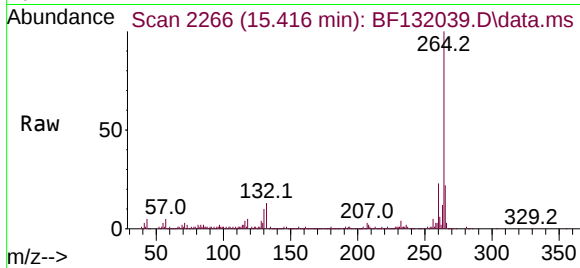
B-3-(40-42)DL

Tgt Ion:264	Resp:	145263
Ion Ratio	Lower	Upper
264	100	
260	23.2	18.3 27.5
265	21.7	16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.360 ng

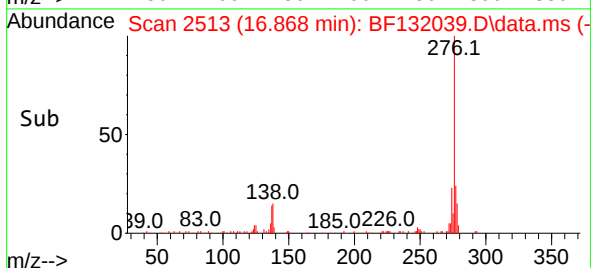
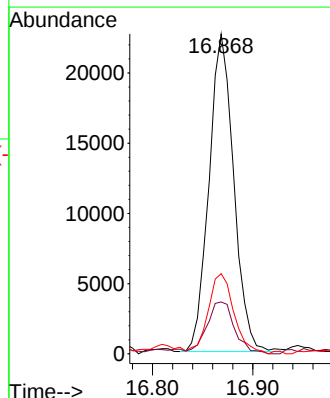
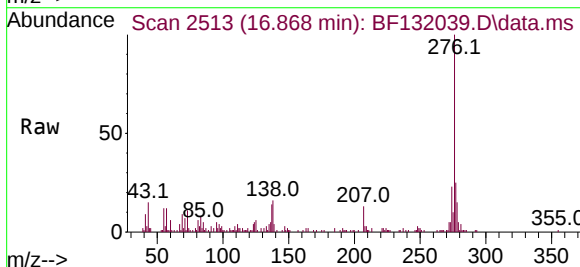
RT: 16.868 min Scan# 2513

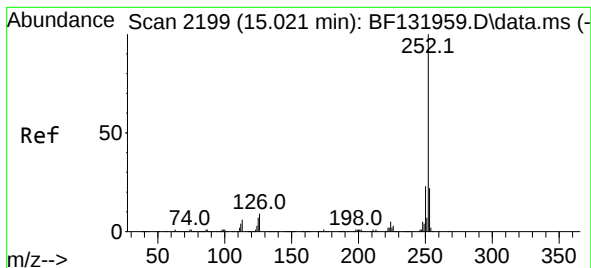
Delta R.T. -0.012 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Tgt Ion:276	Resp:	38845
Ion Ratio	Lower	Upper
276	100	
138	18.3	14.2 21.2
277	26.4	20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 6.690 ng m

RT: 14.992 min Scan# 2199

Delta R.T. -0.006 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Instrument :

BNA_F

ClientSampleId :

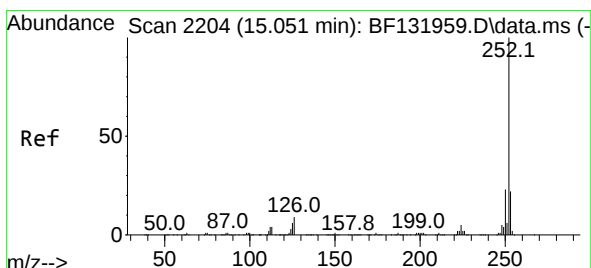
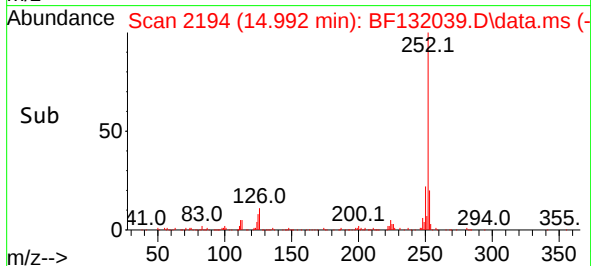
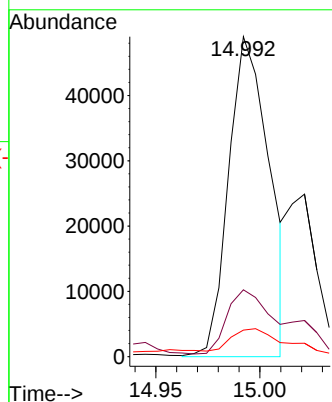
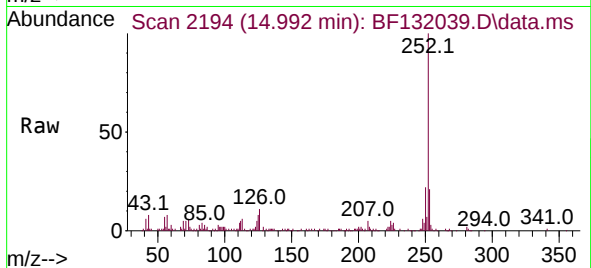
B-3-(40-42)DL

Tgt Ion:252 Resp: 66656
 Ion Ratio Lower Upper
 252 100
 253 20.9 18.0 27.0
 125 8.3 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
 Supervised By :mohammad ahmed 01/13/2023



#89

Benzo(k)fluoranthene

Concen: 2.426 ng m

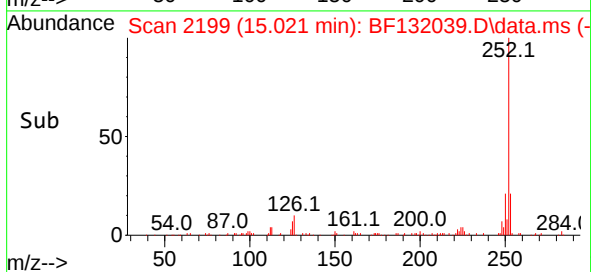
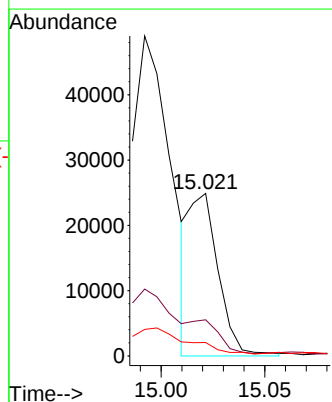
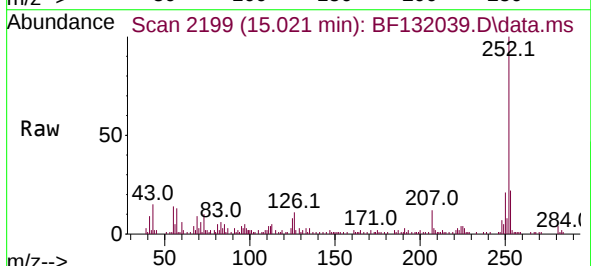
RT: 15.021 min Scan# 2199

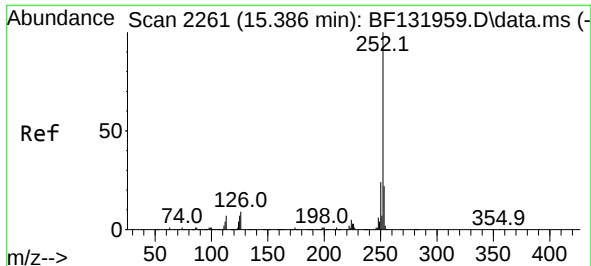
Delta R.T. -0.006 min

Lab File: BF132039.D

Acq: 12 Jan 2023 13:45

Tgt Ion:252 Resp: 24126
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.8 26.6
 125 8.2 5.2 7.8#





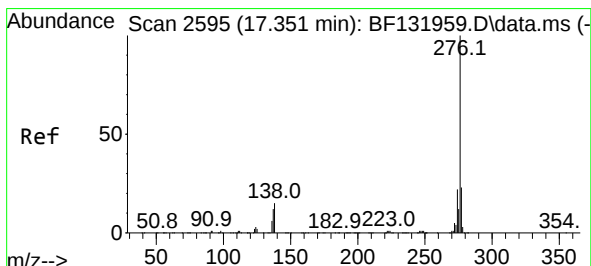
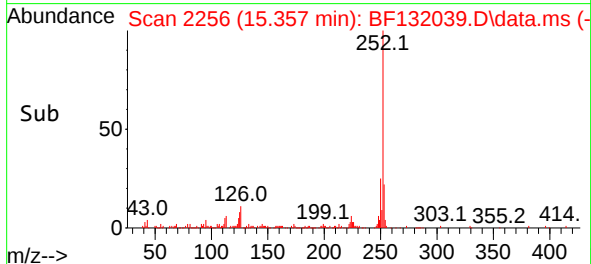
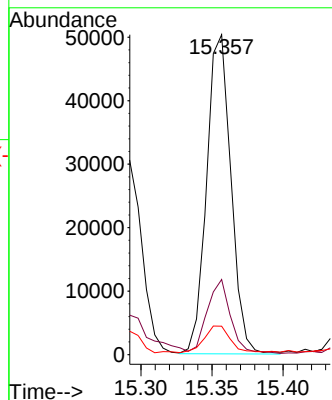
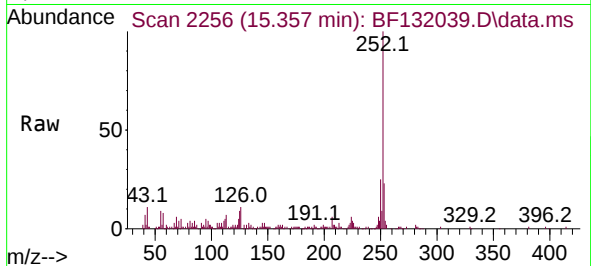
#90
Benzo(a)pyrene
Concen: 6.694 ng
RT: 15.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Instrument :
BNA_F
ClientSampleId :
B-3-(40-42)DL

Tgt Ion:252 Resp: 6008
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 8.9 5.7 8.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 01/13/2023
Supervised By :mohammad ahmed 01/13/2023



#92
Benzo(g,h,i)perylene
Concen: 7.833 ng
RT: 17.304 min Scan# 2587
Delta R.T. -0.012 min
Lab File: BF132039.D
Acq: 12 Jan 2023 13:45

Tgt Ion:276 Resp: 37177
Ion Ratio Lower Upper
276 100
277 24.6 18.2 27.2
138 15.1 11.7 17.5

