

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
 Data File : BF133897.D
 Acq On : 22 Jun 2023 12:51
 Operator : CG\JU
 Sample : 03289-22DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 22 13:24:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 13:43:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	102051	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	401290	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	196420	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	353441	20.000	ng	0.00
76) Chrysene-d12	14.051	240	232698	20.000	ng	0.00
86) Perylene-d12	15.557	264	273472	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	51269	8.746	ng	0.00
7) Phenol-d6	6.487	99	66635	8.733	ng	0.00
23) Nitrobenzene-d5	7.416	82	43511	5.906	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	19827	7.974	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	96742	7.001	ng	0.00
79) Terphenyl-d14	12.980	244	86664	5.763	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	396026	22.085	ng	100
72) Anthracene	11.463	178	93948	5.025	ng	99
75) Fluoranthene	12.610	202	562092	29.518	ng	98
78) Pyrene	12.839	202	507338	23.405	ng	99
81) Benzo(a)anthracene	14.039	228	275294	17.103	ng	96
83) Chrysene	14.074	228	252786	16.605	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	129128	6.863	ng	99
88) Benzo(b)fluoranthene	15.110	252	315674m	19.002	ng	
89) Benzo(k)fluoranthene	15.139	252	103478m	6.395	ng	
90) Benzo(a)pyrene	15.492	252	226732	14.706	ng	98
91) Dibenzo(a,h)anthracene	17.115	278	34891m	2.240	ng	
92) Benzo(g,h,i)perylene	17.568	276	110588	7.161	ng	# 95

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

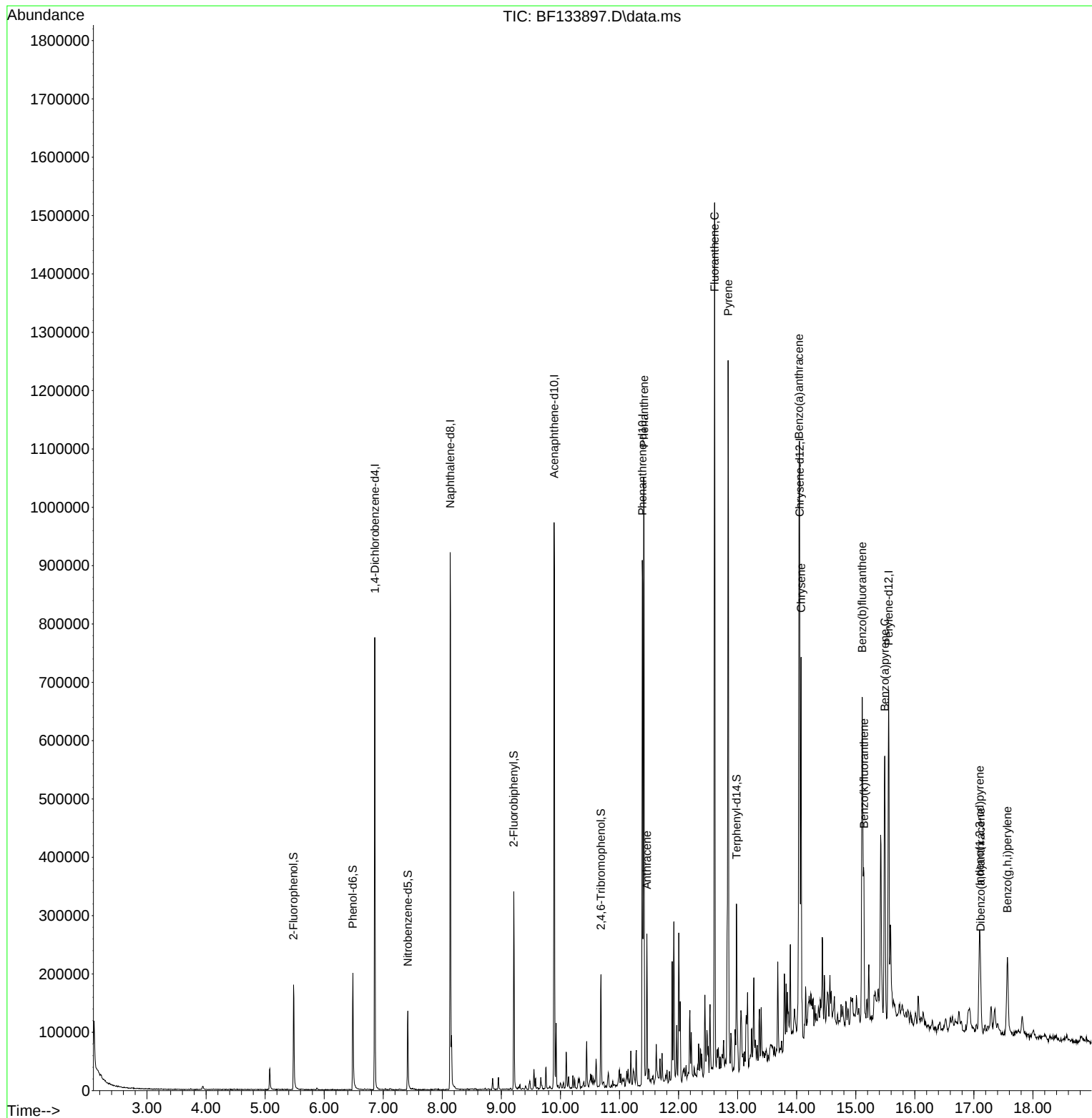
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062223\
Data File : BF133897.D
Acq On : 22 Jun 2023 12:51
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Quant Time: Jun 22 13:24:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 20 13:43:46 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

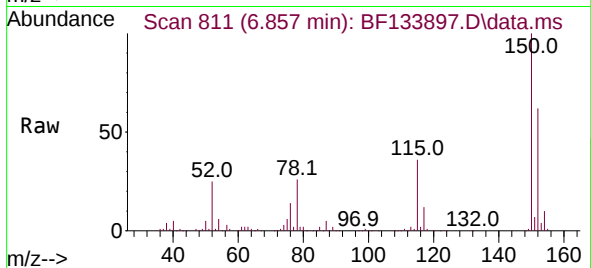
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

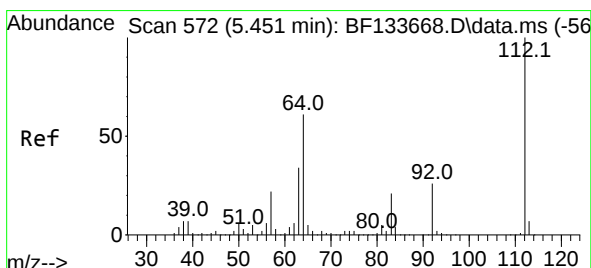
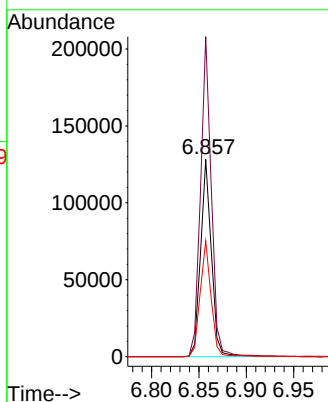
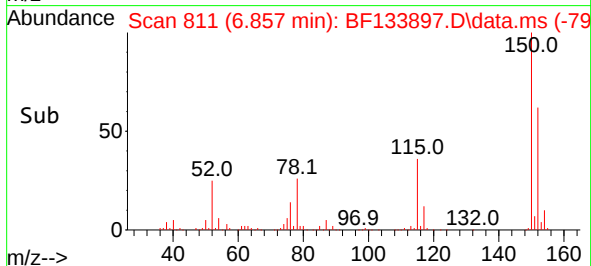
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL



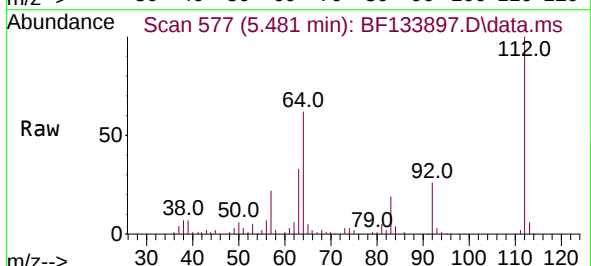
Tgt Ion:152 Resp: 10205
Ion Ratio Lower Upper
152 100
150 162.2 124.3 186.5
115 58.7 48.5 72.7

Manual Integrations
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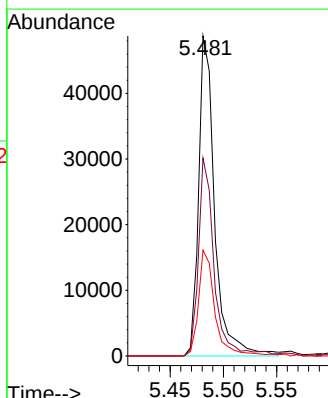
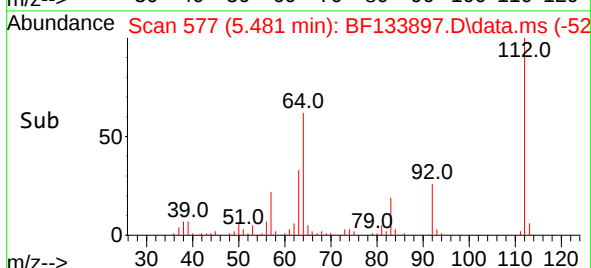
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

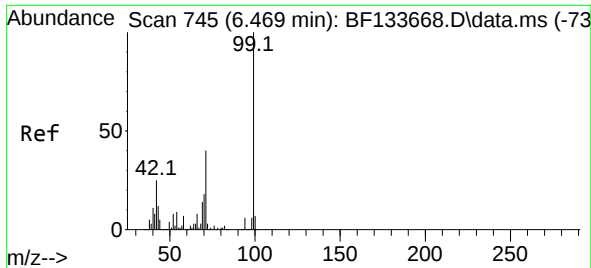


#5
2-Fluorophenol
Concen: 8.746 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51



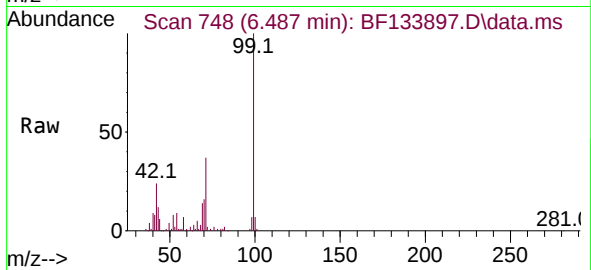
Tgt Ion:112 Resp: 51269
Ion Ratio Lower Upper
112 100
64 61.8 49.0 73.4
63 33.1 26.8 40.2





#7
Phenol-d6
Concen: 8.733 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

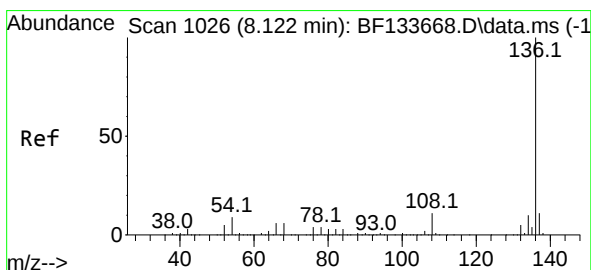
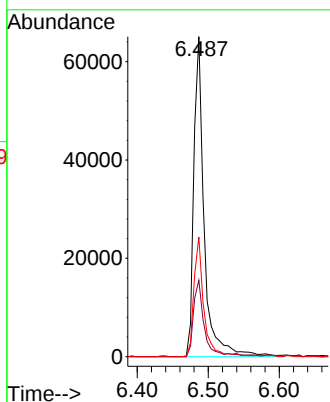
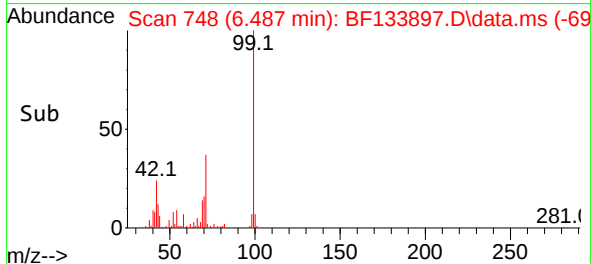
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL



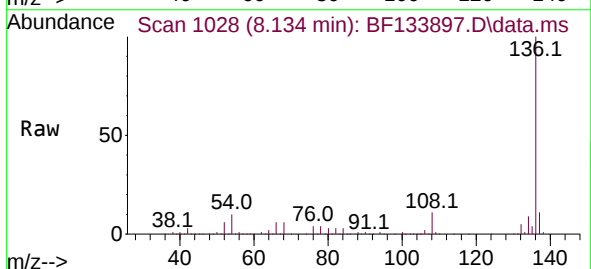
Tgt Ion: 99 Resp: 6663
Ion Ratio Lower Upper
99 100
42 23.9 19.9 29.9
71 37.4 32.2 48.4

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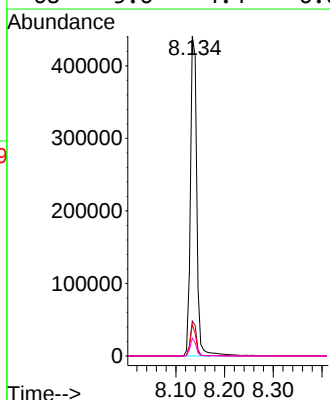
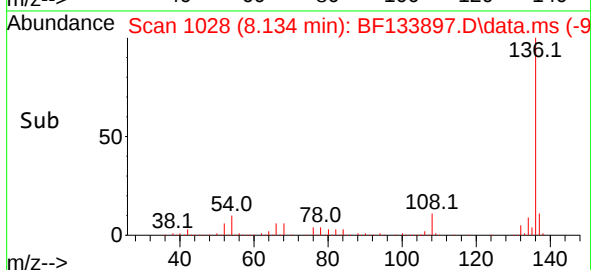
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023

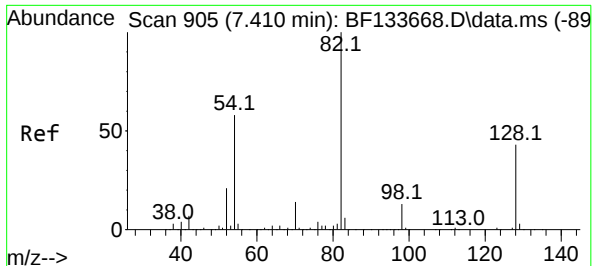


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51



Tgt Ion:136 Resp: 401290
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.8 7.4 11.0
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 5.906 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

Tgt Ion: 82 Resp: 4351

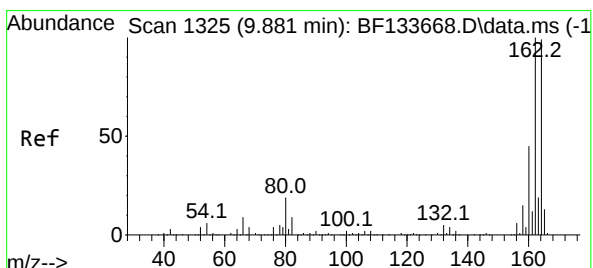
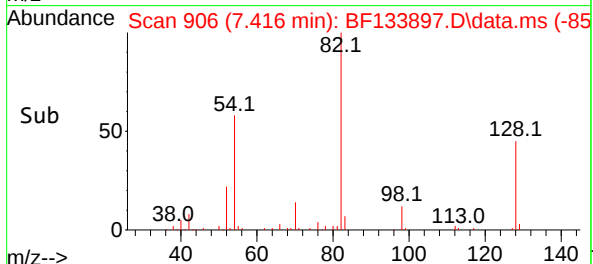
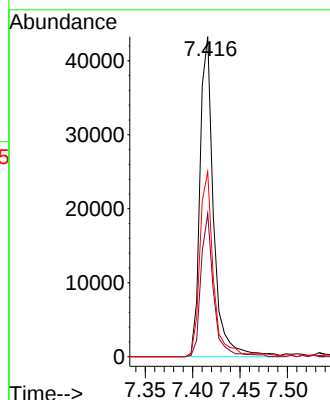
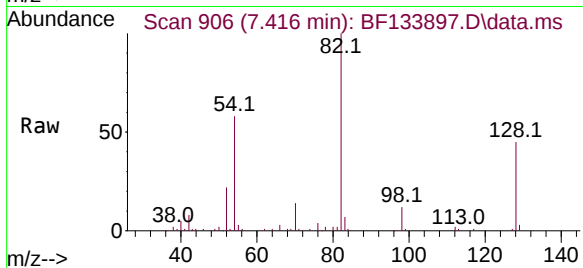
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.2	51.2
54	57.8	46.5	69.7

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.892 min Scan# 1327

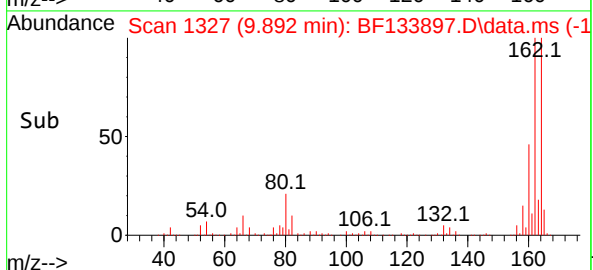
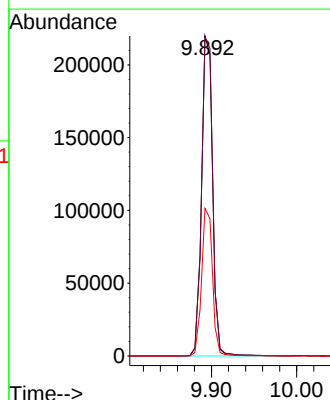
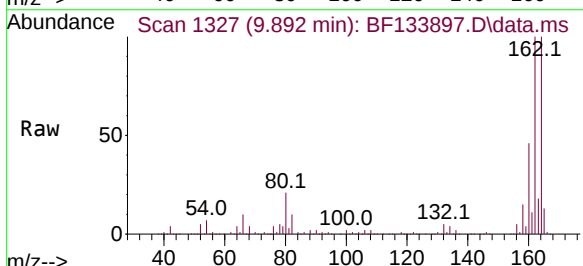
Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Tgt Ion:164 Resp: 196420

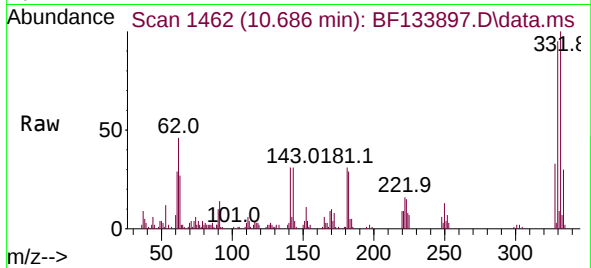
Ion	Ratio	Lower	Upper
164	100		
162	99.7	80.8	121.2
160	46.1	36.7	55.1





#42
2,4,6-Tribromophenol
Concen: 7.974 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

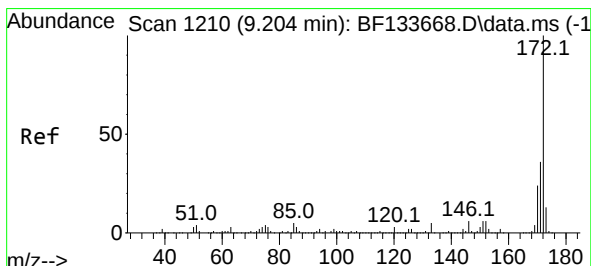
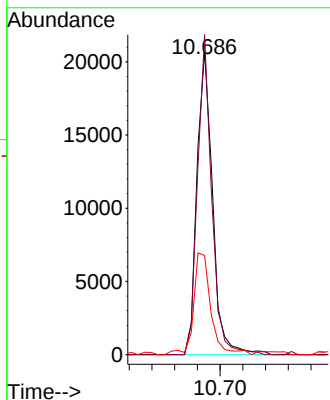
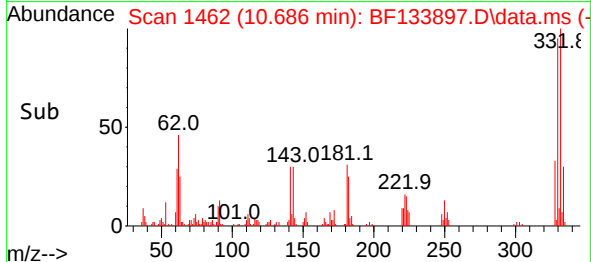
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL



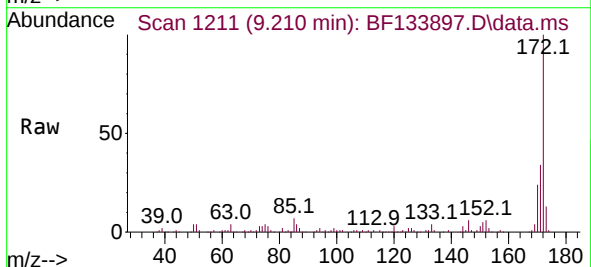
Tgt Ion: 330 Resp: 1982
Ion Ratio Lower Upper
330 100
332 96.1 77.2 115.8
141 36.9 24.9 37.3

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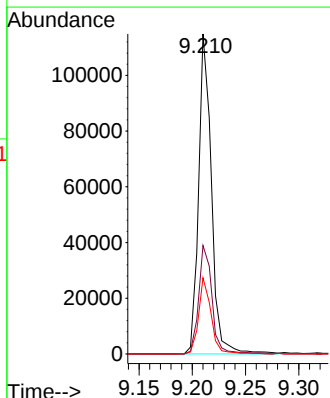
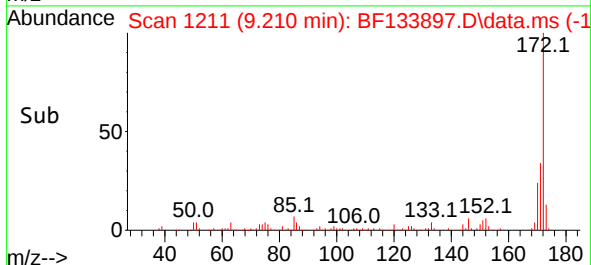
Reviewed By : Yogesh Patel 06/23/2023
Supervised By : mohammad ahmed 06/23/2023



#45
2-Fluorobiphenyl
Concen: 7.001 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51



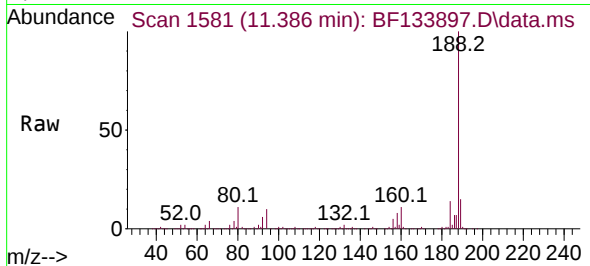
Tgt Ion: 172 Resp: 96742
Ion Ratio Lower Upper
172 100
171 33.9 28.6 43.0
170 23.8 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

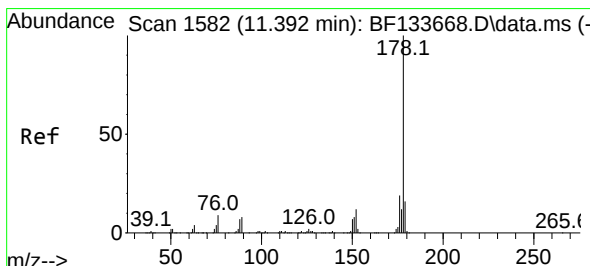
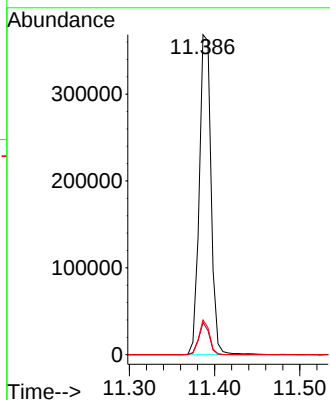
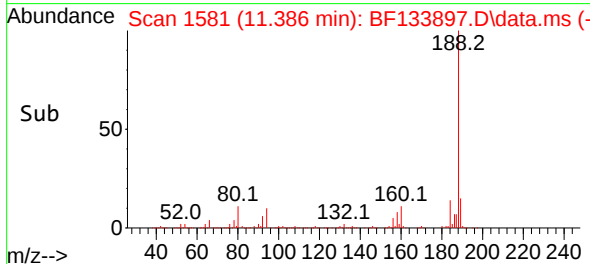
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL



Tgt Ion:188 Resp: 35344
Ion Ratio Lower Upper
188 100
94 10.1 6.8 10.2
80 10.8 7.8 11.6

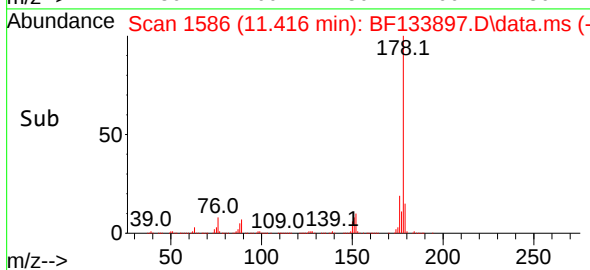
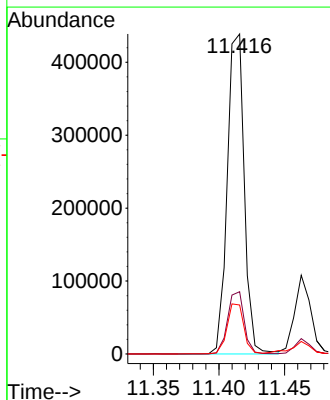
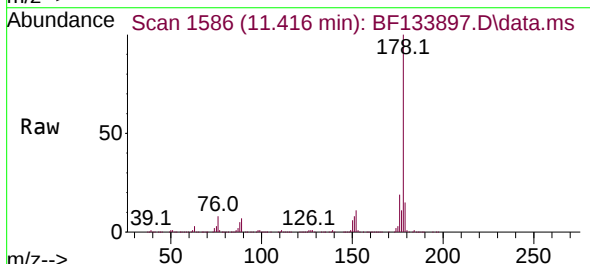
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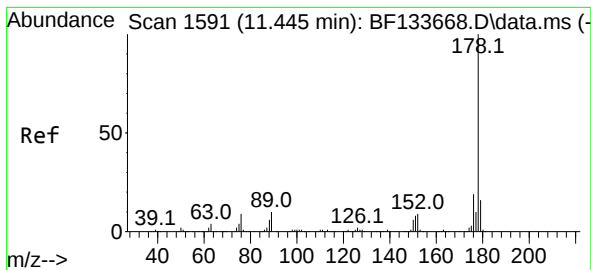
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#71
Phenanthrene
Concen: 22.085 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:178 Resp: 396026
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.3 12.4 18.6





#72

Anthracene

Concen: 5.025 ng

RT: 11.463 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

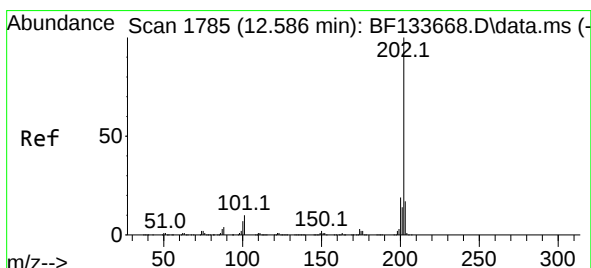
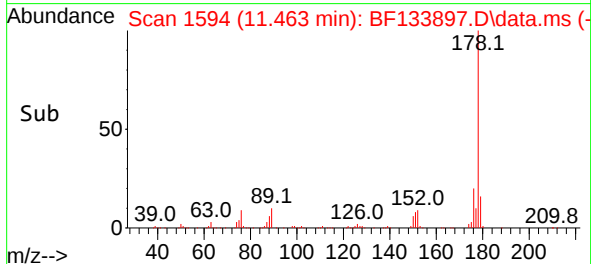
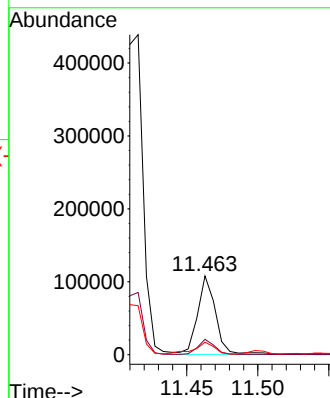
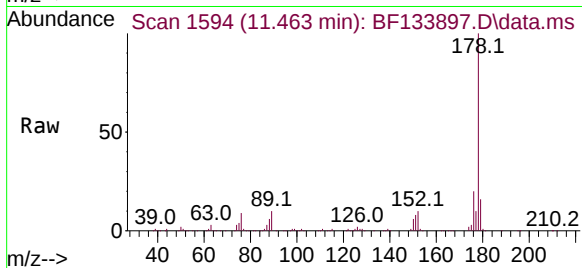
Tgt Ion:178 Resp: 93948
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.1 22.7
 179 15.9 12.6 18.8

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#75

Fluoranthene

Concen: 29.518 ng

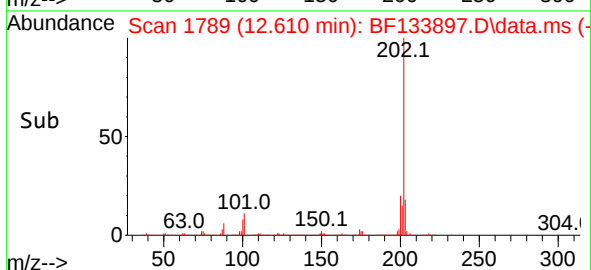
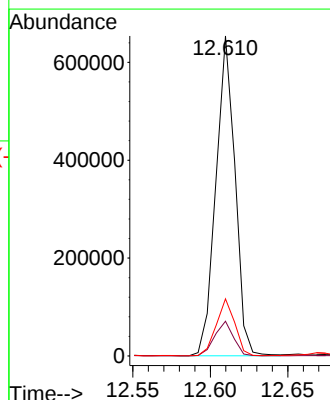
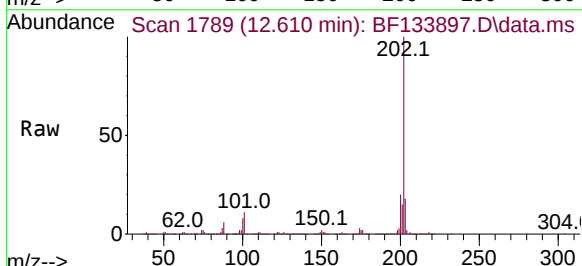
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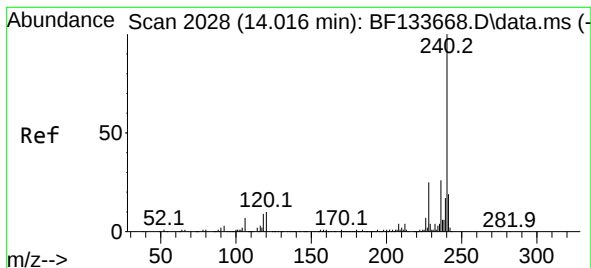
Delta R.T. 0.000 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Tgt Ion:202 Resp: 562092
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0DL

Tgt Ion:240 Resp: 232698

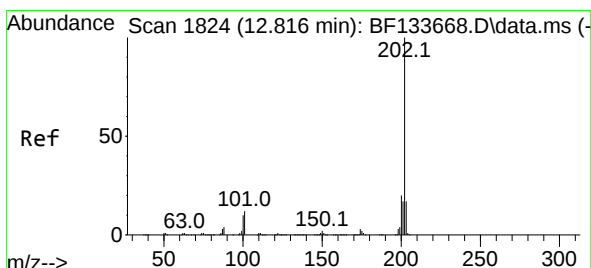
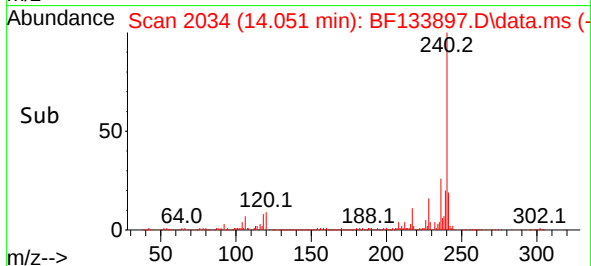
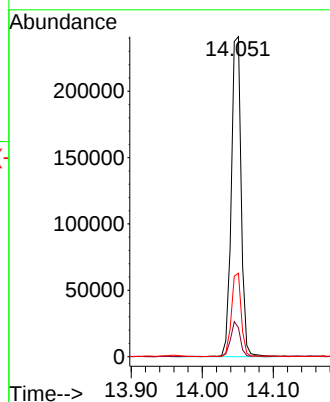
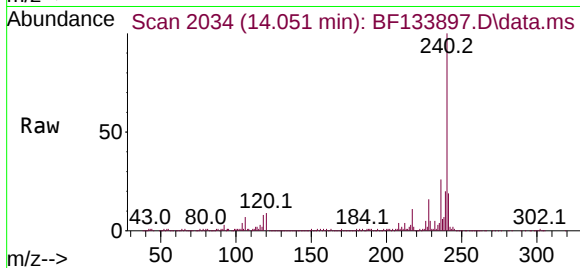
Ion	Ratio	Lower	Upper
240	100		
120	9.0	8.1	12.1
236	26.1	20.5	30.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#78

Pyrene

Concen: 23.405 ng

RT: 12.839 min Scan# 1828

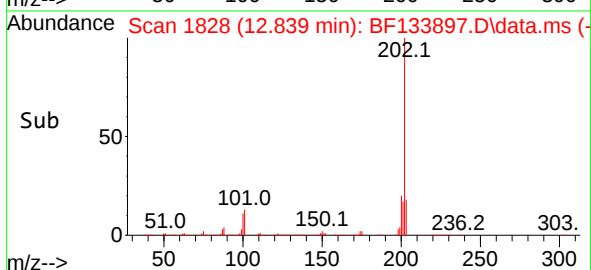
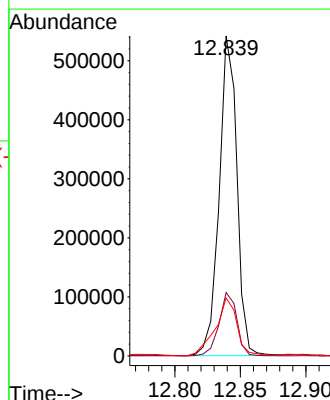
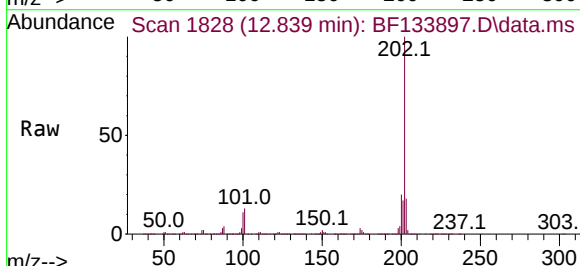
Delta R.T. 0.000 min

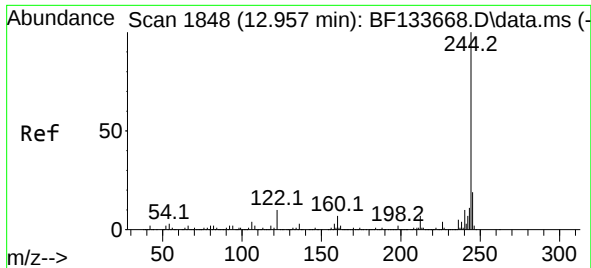
Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Tgt Ion:202 Resp: 507338

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.2
203	18.1	13.9	20.9





#79
 Terphenyl-d14
 Concen: 5.763 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

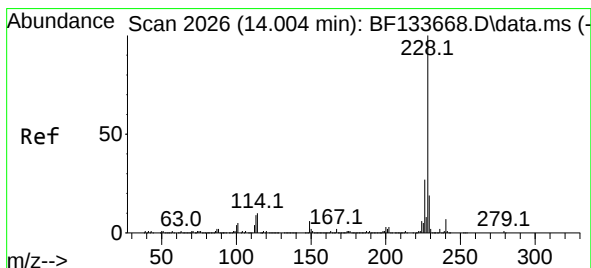
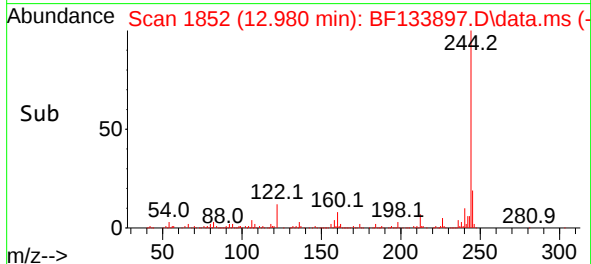
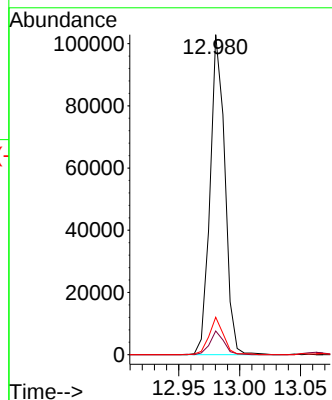
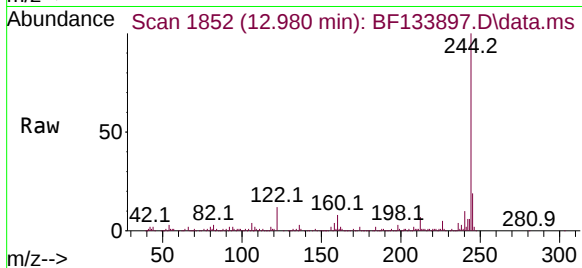
SB-08-0-2.0DL

Tgt Ion:244 Resp: 86664
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 11.7 8.1 12.1

Manual Integrations

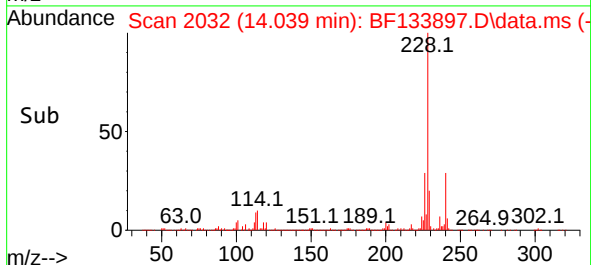
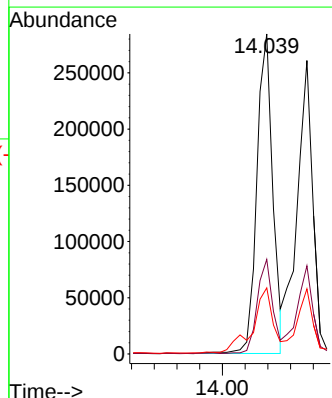
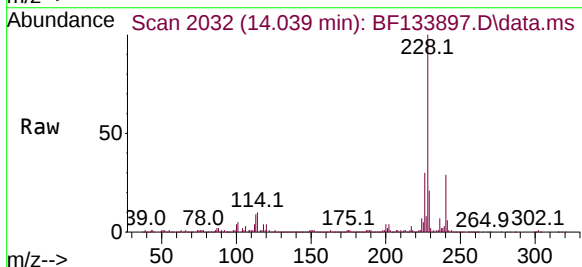
APPROVED

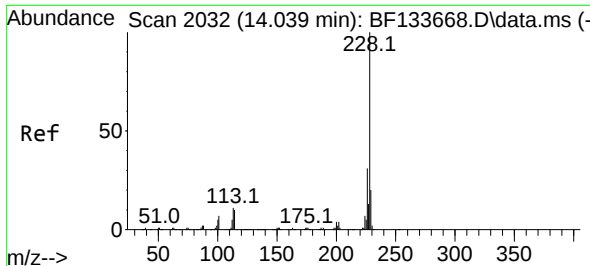
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#81
 Benzo(a)anthracene
 Concen: 17.103 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: BF133897.D
 Acq: 22 Jun 2023 12:51

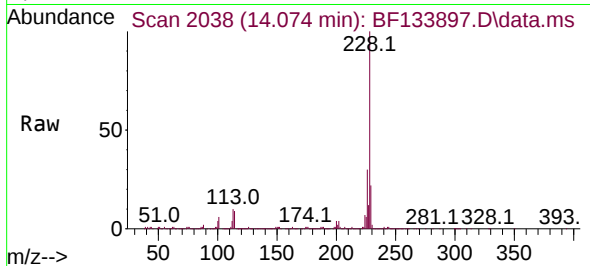
Tgt Ion:228 Resp: 275294
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.7 32.5
 229 20.6 15.4 23.2





#83
Chrysene
Concen: 16.605 ng
RT: 14.074 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

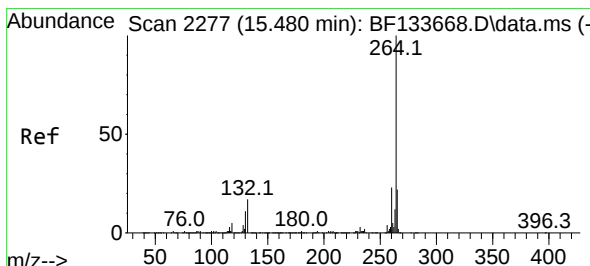
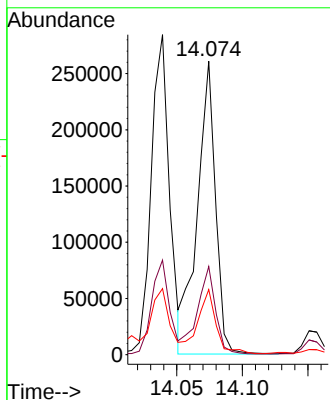
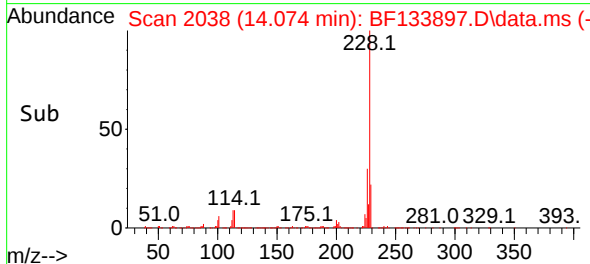
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL



Tgt Ion:228 Resp: 252780
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.2 15.8 23.8

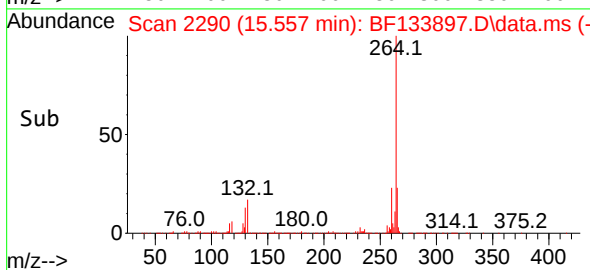
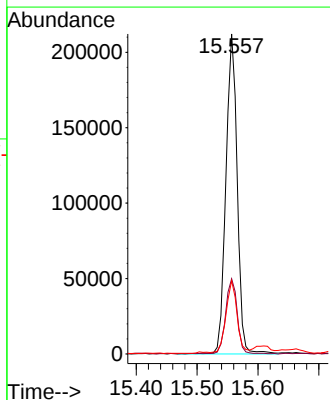
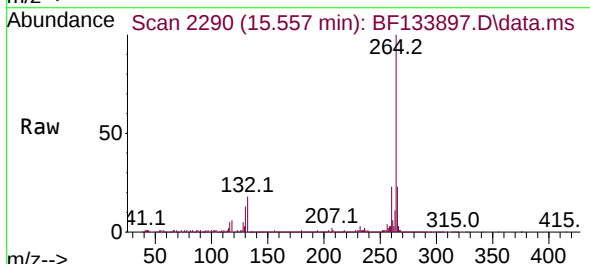
Manual Integrations
APPROVED

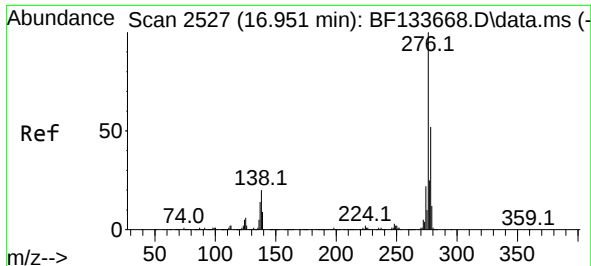
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

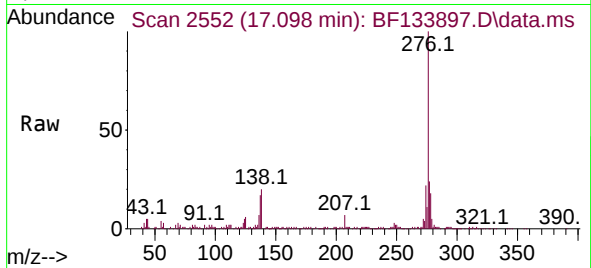
Tgt Ion:264 Resp: 273472
Ion Ratio Lower Upper
264 100
260 23.5 18.2 27.2
265 22.9 17.8 26.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.863 ng
RT: 17.098 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

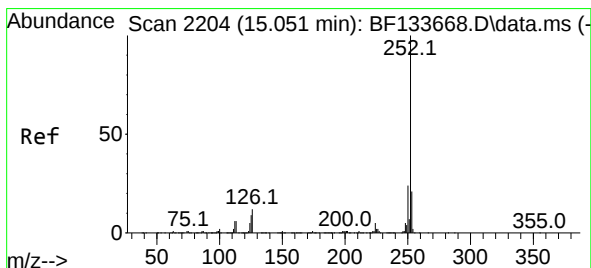
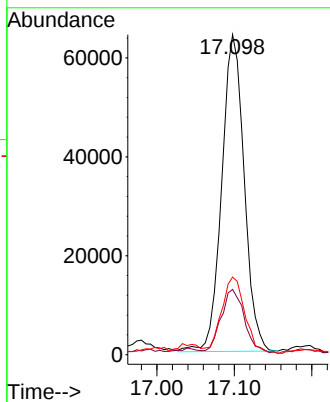
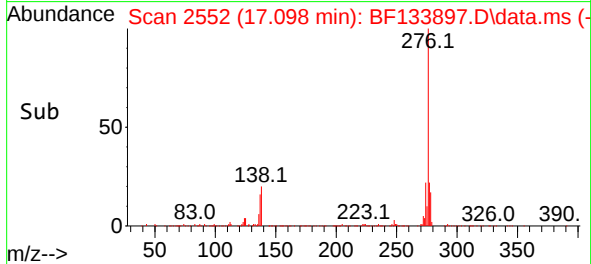
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0DL



Tgt Ion:276 Resp: 129128
Ion Ratio Lower Upper
276 100
138 21.2 17.9 26.9
277 25.4 20.3 30.5

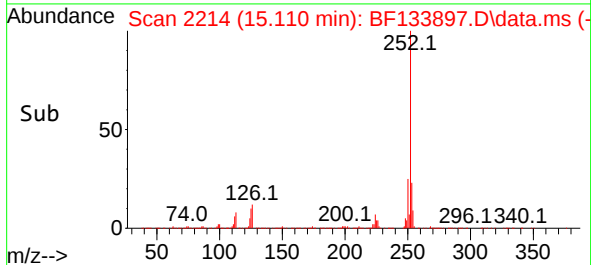
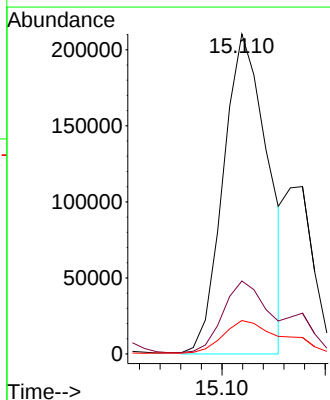
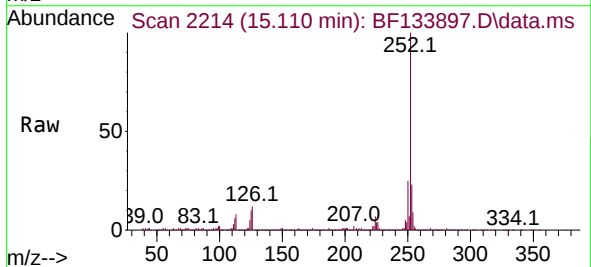
Manual Integrations
APPROVED

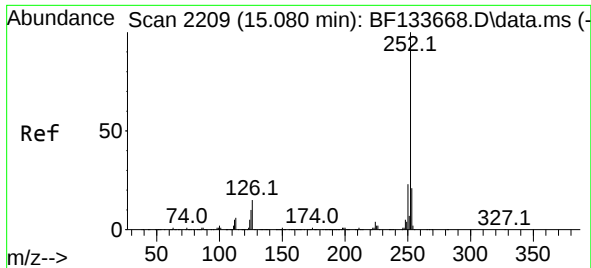
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#88
Benzo(b)fluoranthene
Concen: 19.002 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:252 Resp: 315674
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.6
125 10.4 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 6.395 ng m

RT: 15.139 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

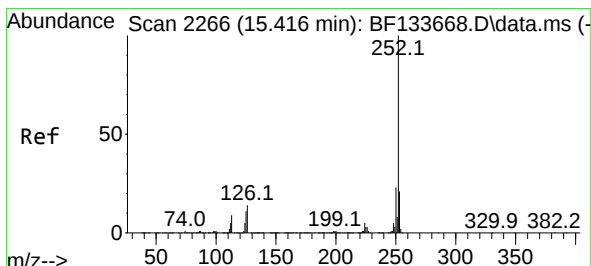
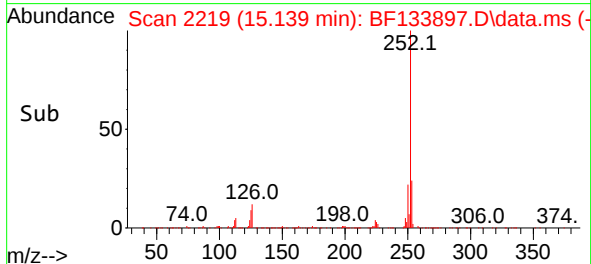
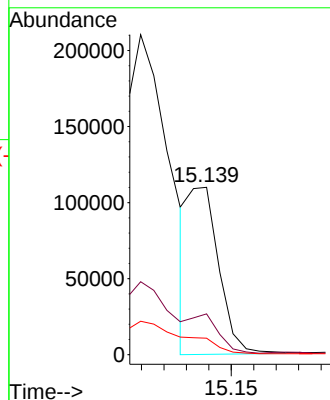
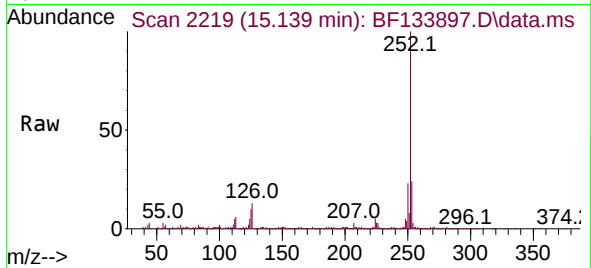
SB-08-0-2.0DL

Tgt Ion:252 Resp: 103478
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.0 25.4
 125 9.8 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#90

Benzo(a)pyrene

Concen: 14.706 ng

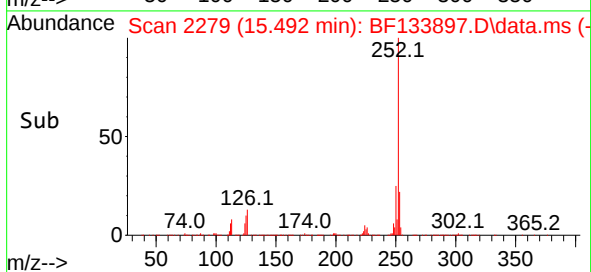
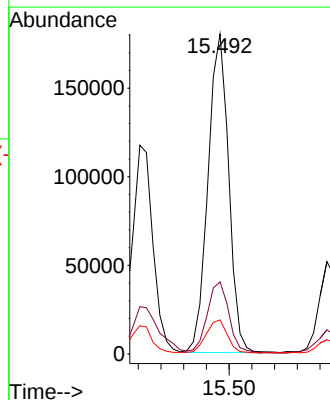
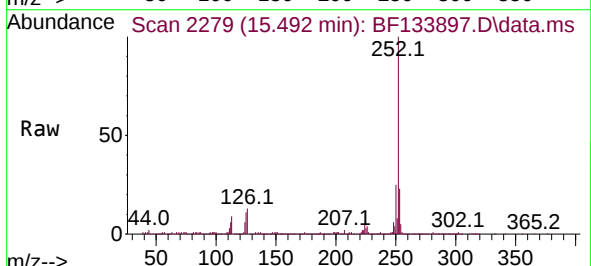
RT: 15.492 min Scan# 2279

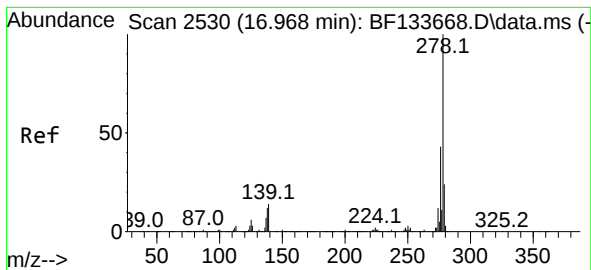
Delta R.T. 0.006 min

Lab File: BF133897.D

Acq: 22 Jun 2023 12:51

Tgt Ion:252 Resp: 226732
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.1 25.7
 125 10.6 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 2.240 ng m
RT: 17.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Instrument :

BNA_F

ClientSampleId :

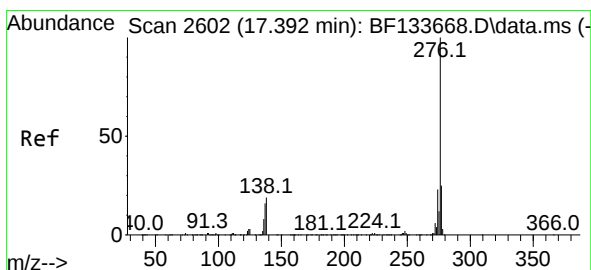
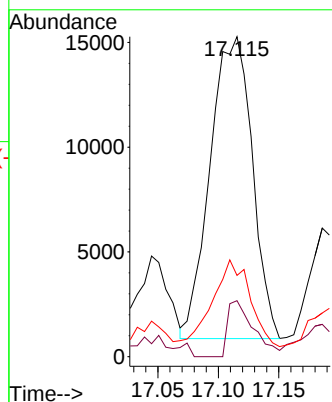
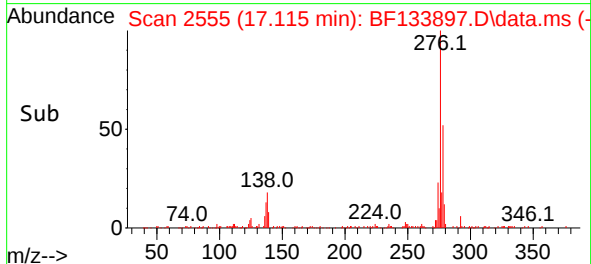
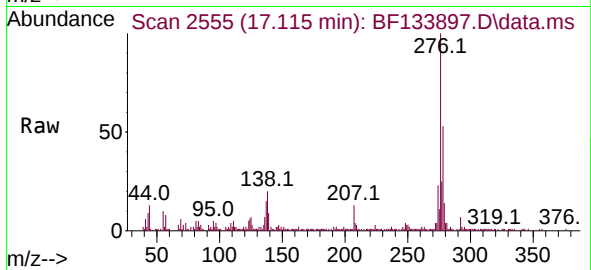
SB-08-0-2.0DL

Tgt Ion:278 Resp: 3489
Ion Ratio Lower Upper
278 100
139 17.5 11.4 17.2
279 25.4 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#92
Benzo(g,h,i)perylene
Concen: 7.161 ng
RT: 17.568 min Scan# 2632
Delta R.T. -0.006 min
Lab File: BF133897.D
Acq: 22 Jun 2023 12:51

Tgt Ion:276 Resp: 110588
Ion Ratio Lower Upper
276 100
277 24.6 19.8 29.8
138 23.8 15.0 22.4

