

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
 Data File : BF134258.D
 Acq On : 12 Jul 2023 21:31
 Operator : CG\JU
 Sample : 03375-03DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)DL

Quant Time: Jul 12 23:24:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/13/2023
 Supervised By :mohammad ahmed 07/13/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	85608	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	321007	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	144723	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	226991	20.000	ng	0.00
76) Chrysene-d12	14.039	240	159884	20.000	ng	0.00
86) Perylene-d12	15.545	264	132869	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	68395	13.364	ng	0.00
7) Phenol-d6	6.475	99	81557	12.958	ng	-0.01
23) Nitrobenzene-d5	7.404	82	53649	9.009	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	19587	10.794	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	107175	10.767	ng	0.00
79) Terphenyl-d14	12.969	244	82013	8.256	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.657	82	152637	14.103	ng	98
71) Phenanthrene	11.398	178	41656	3.645	ng	98
75) Fluoranthene	12.598	202	80827	6.543	ng	98
78) Pyrene	12.827	202	66454	4.466	ng	98
80) Butylbenzylphthalate	13.451	149	264312	47.364	ng	99
81) Benzo(a)anthracene	14.027	228	35521m	3.203	ng	
83) Chrysene	14.063	228	39408	3.669	ng	97
87) Indeno(1,2,3-cd)pyrene	17.092	276	26039	2.824	ng	95
88) Benzo(b)fluoranthene	15.098	252	65669m	8.405	ng	
89) Benzo(k)fluoranthene	15.127	252	16511m	2.076	ng	
90) Benzo(a)pyrene	15.480	252	32913	4.357	ng	96
92) Benzo(g,h,i)perylene	17.562	276	25284	3.256	ng	95

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

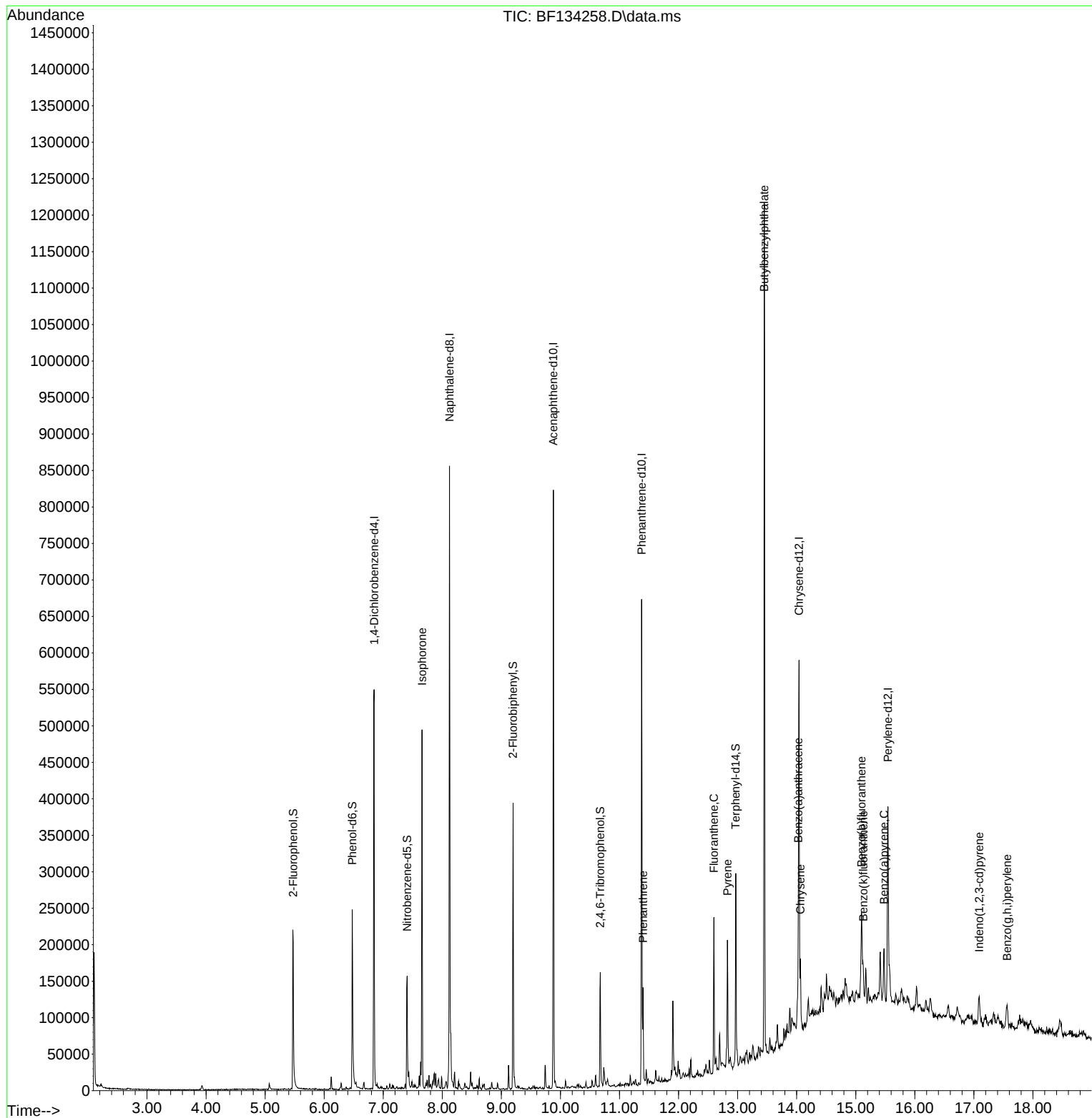
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071223\
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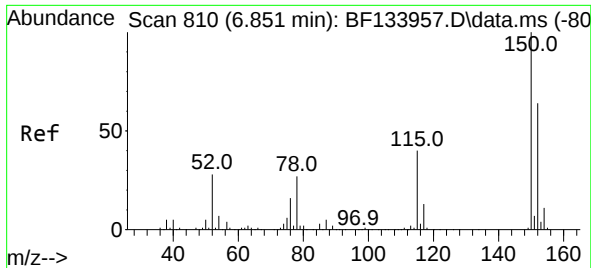
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

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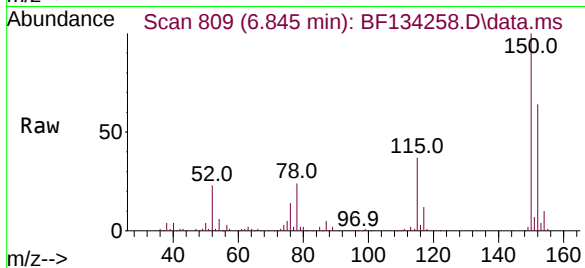
Quant Time: Jul 12 23:24:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 11 13:06:48 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

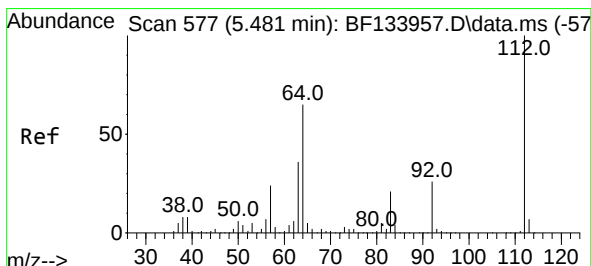
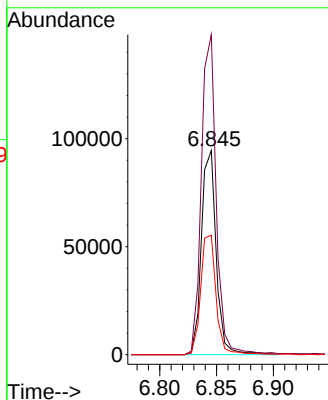
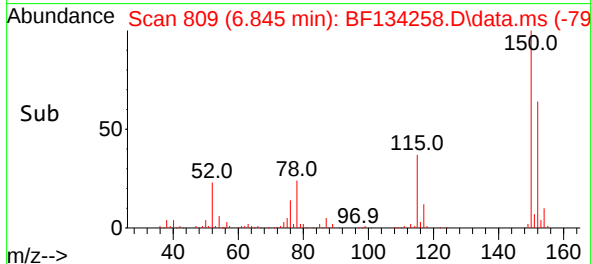
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL



Tgt Ion:152 Resp: 85608
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 58.5 50.2 75.2

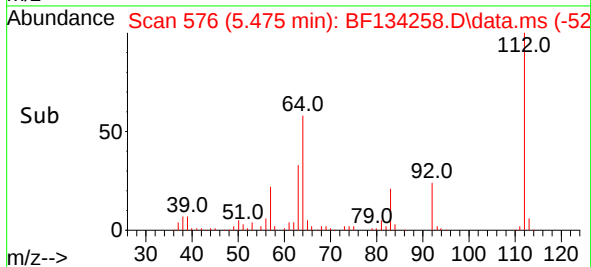
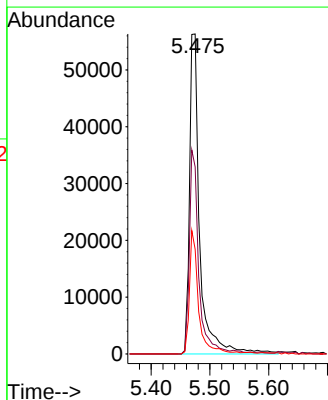
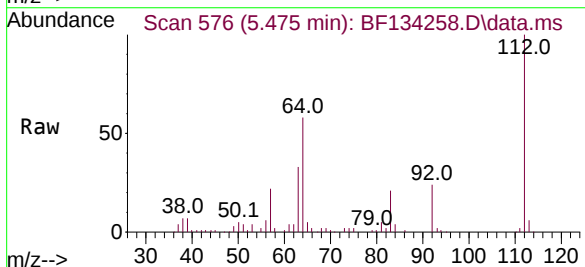
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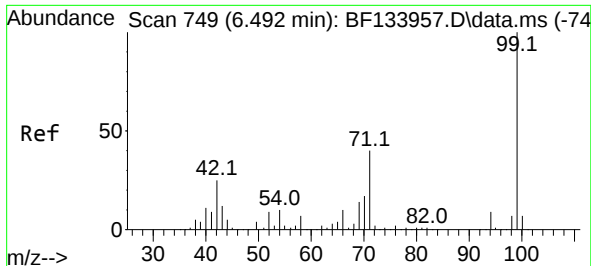
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#5
2-Fluorophenol
Concen: 13.364 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

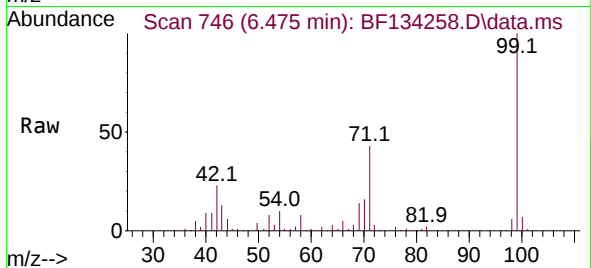
Tgt Ion:112 Resp: 68395
Ion Ratio Lower Upper
112 100
64 58.5 52.1 78.1
63 32.7 28.6 42.8





#7
Phenol-d6
Concen: 12.958 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

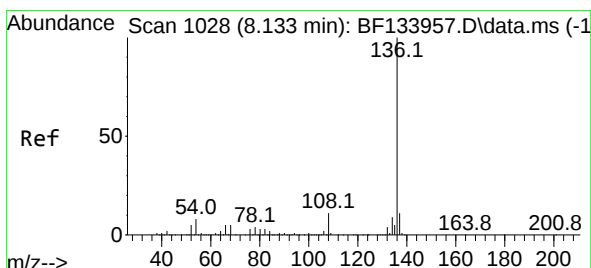
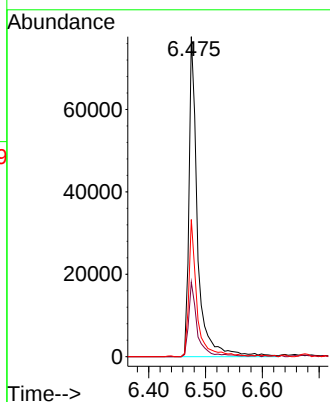
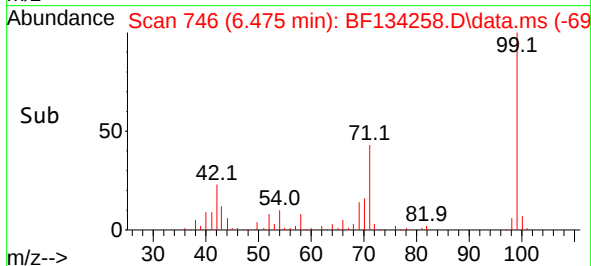
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL



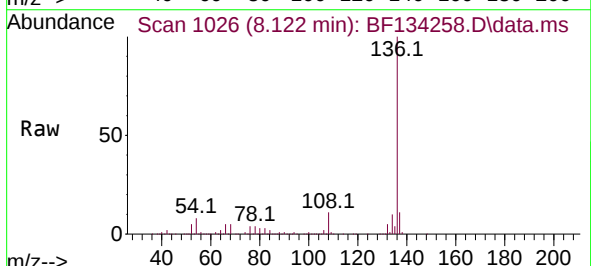
Tgt Ion: 99 Resp: 8155
Ion Ratio Lower Upper
99 100
42 23.3 19.8 29.6
71 42.9 31.9 47.9

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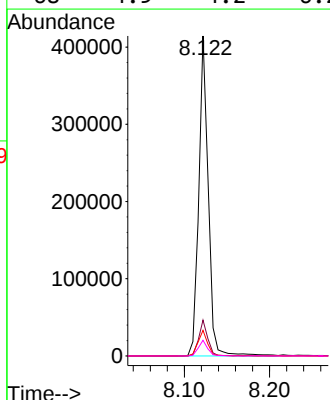
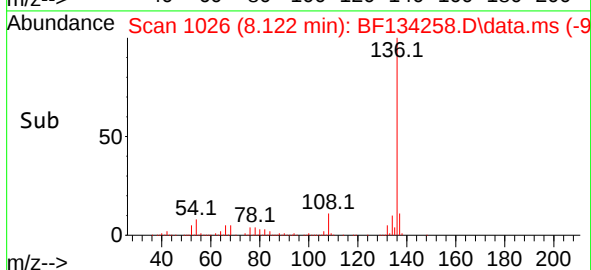
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

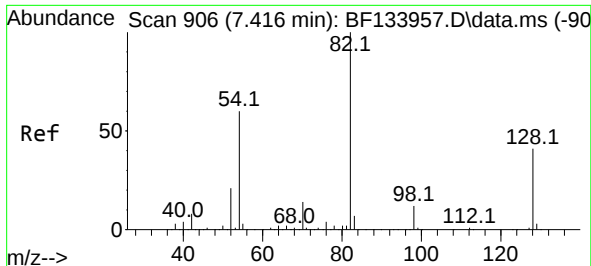


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31



Tgt Ion:136 Resp: 321007
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 8.0 6.5 9.7
68 4.9 4.2 6.2





#23
Nitrobenzene-d5
Concen: 9.009 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

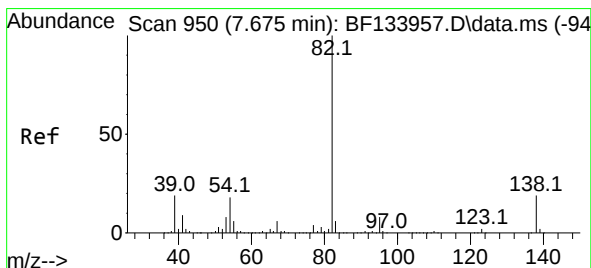
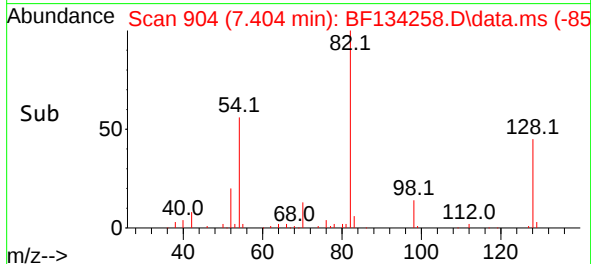
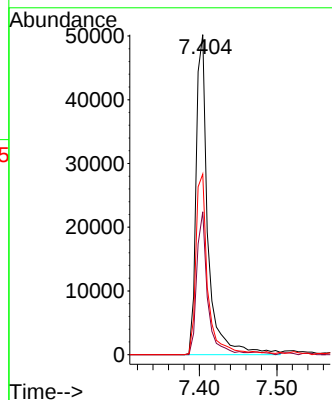
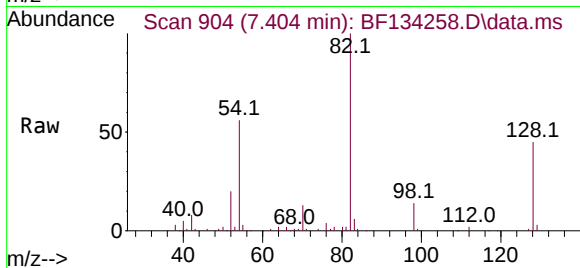
ClientSampleId :

SB-2(0-2)DL

Tgt Ion: 82 Resp: 53649
Ion Ratio Lower Upper
82 100
128 44.6 32.5 48.7
54 56.5 48.2 72.2

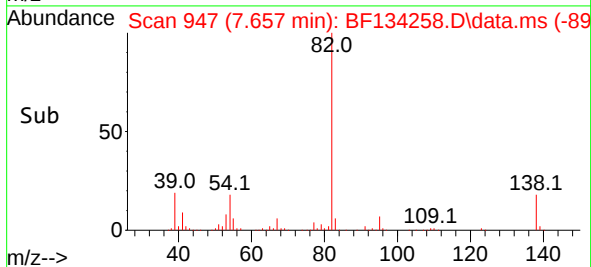
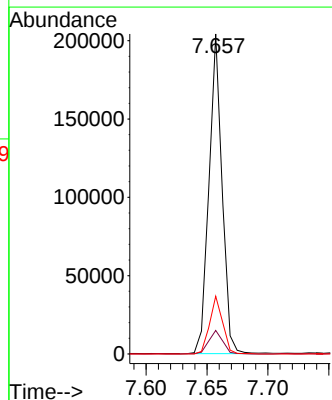
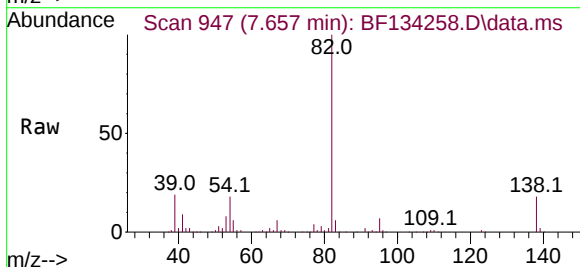
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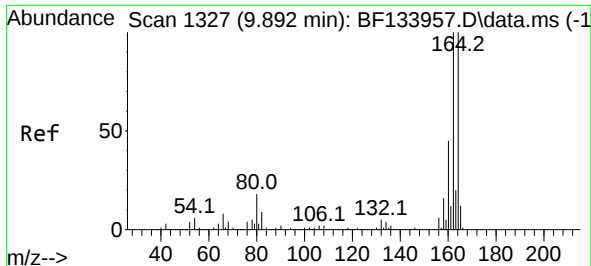
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#25
Isophorone
Concen: 14.103 ng
RT: 7.657 min Scan# 947
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

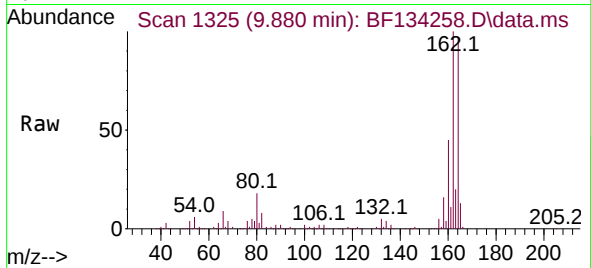
Tgt Ion: 82 Resp: 152637
Ion Ratio Lower Upper
82 100
95 7.3 6.1 9.1
138 18.0 15.2 22.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

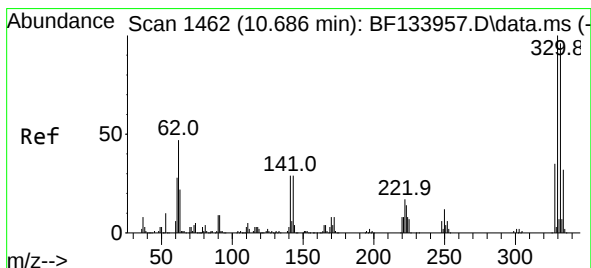
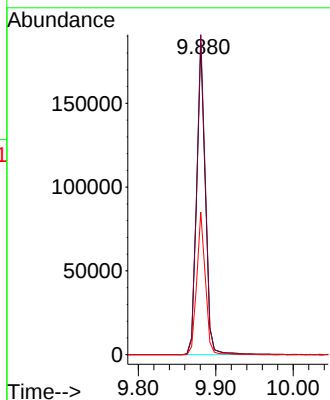
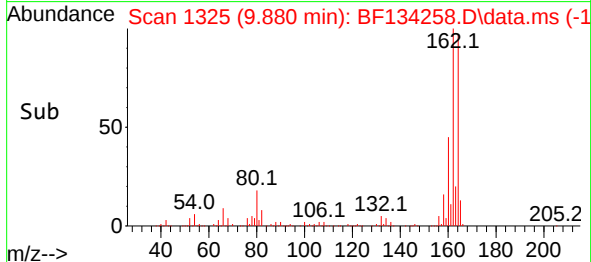
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL



Tgt Ion:164 Resp: 14472
Ion Ratio Lower Upper
164 100
162 102.8 80.0 120.0
160 45.8 35.9 53.9

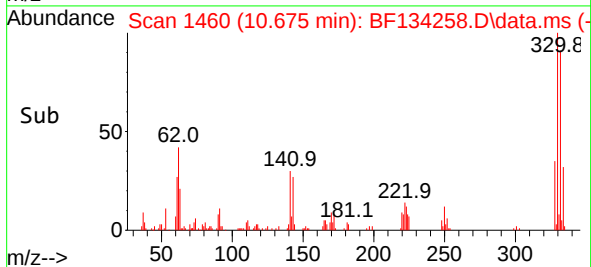
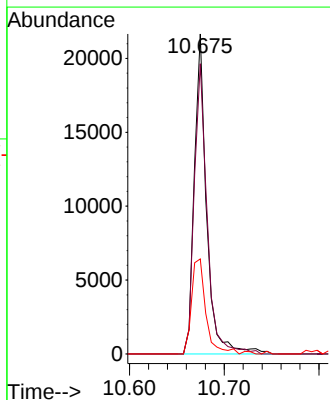
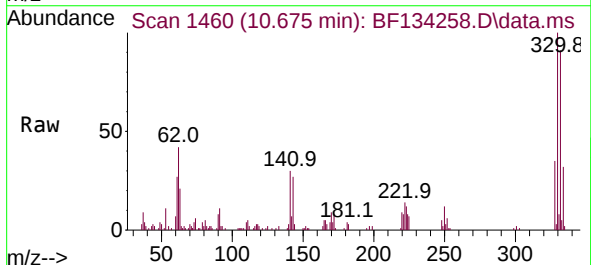
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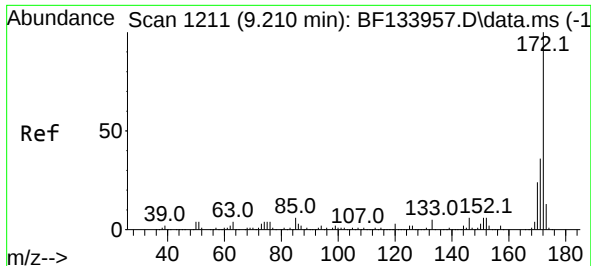
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#42
2,4,6-Tribromophenol
Concen: 10.794 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:330 Resp: 19587
Ion Ratio Lower Upper
330 100
332 95.2 77.0 115.6
141 35.1 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 10.767 ng

RT: 9.198 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134258.D

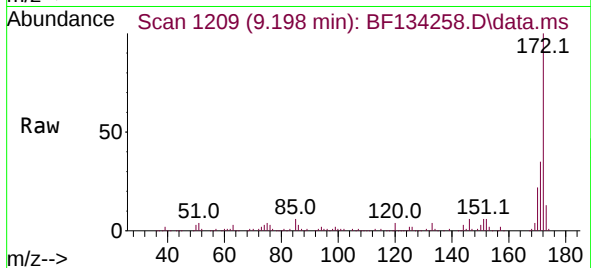
Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL



Tgt Ion:172 Resp: 107175

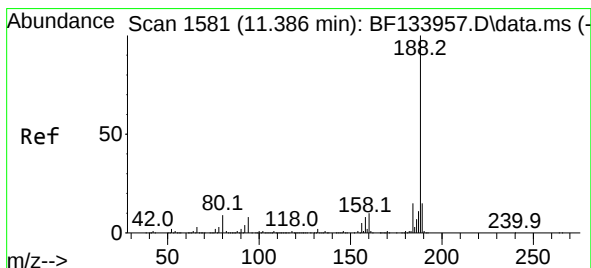
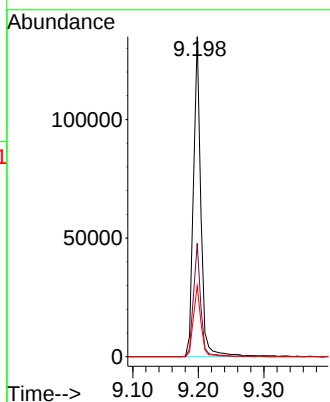
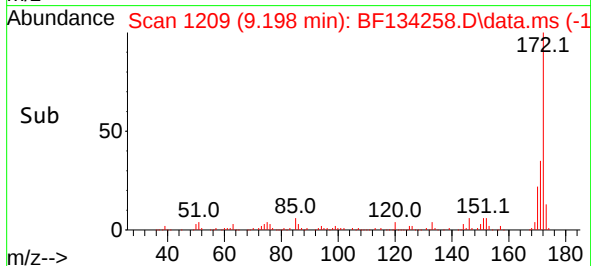
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	43.0
170	22.1	19.4	29.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1579

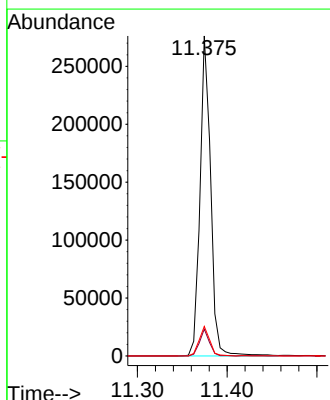
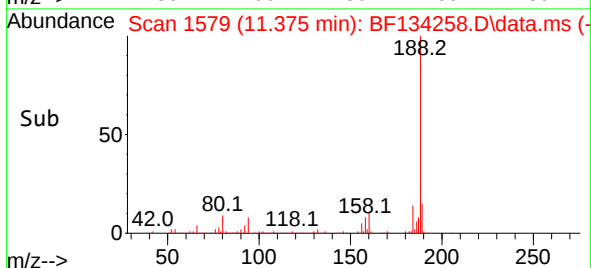
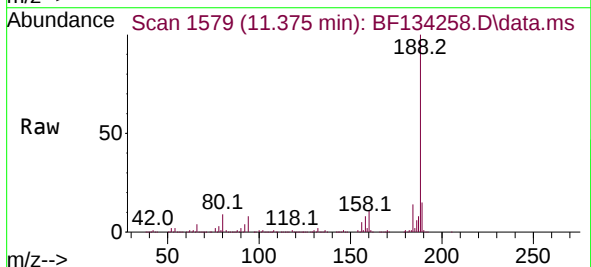
Delta R.T. -0.006 min

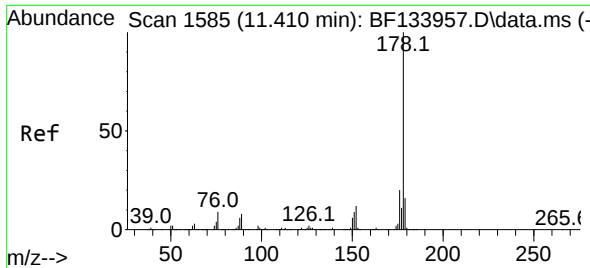
Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Tgt Ion:188 Resp: 226991

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.4	9.6
80	9.3	7.3	10.9





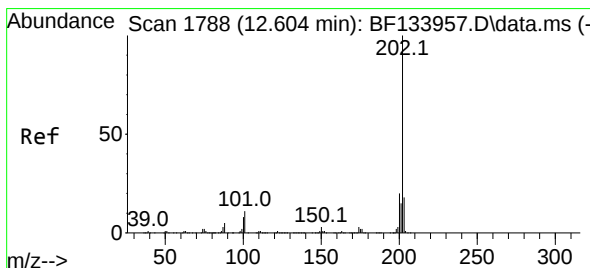
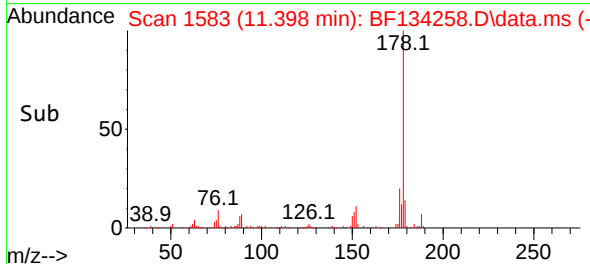
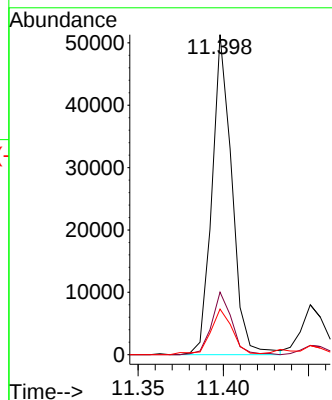
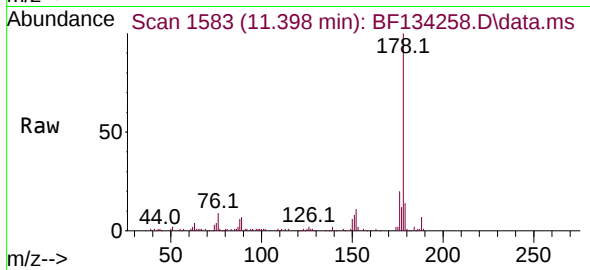
#71
Phenanthrene
Concen: 3.645 ng
RT: 11.398 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

Tgt Ion:178 Resp: 41650
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 14.2 12.4 18.6

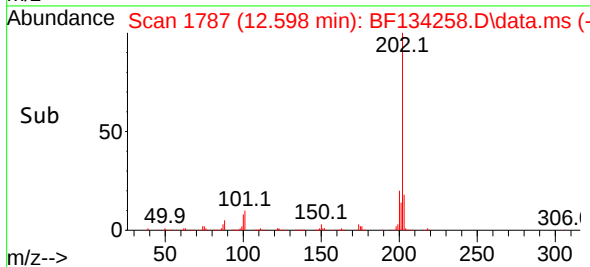
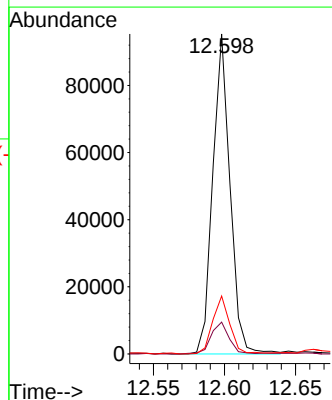
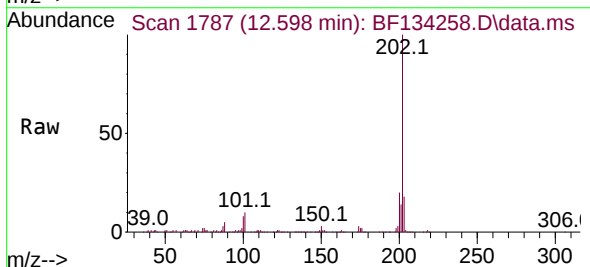
Manual Integrations
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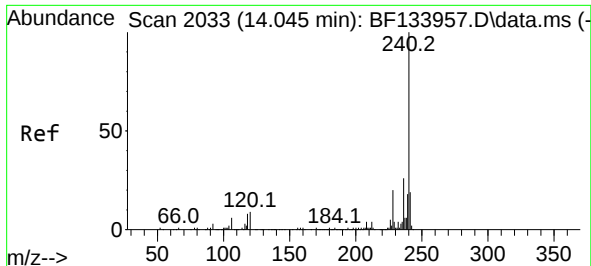
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#75
Fluoranthene
Concen: 6.543 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

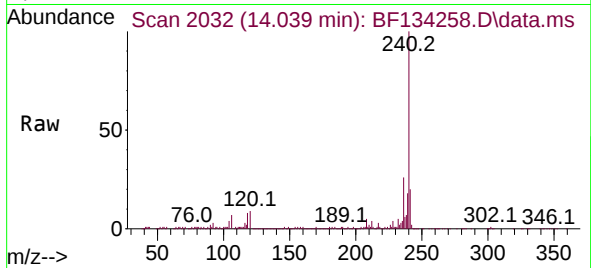
Tgt Ion:202 Resp: 80827
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.0
203 18.1 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

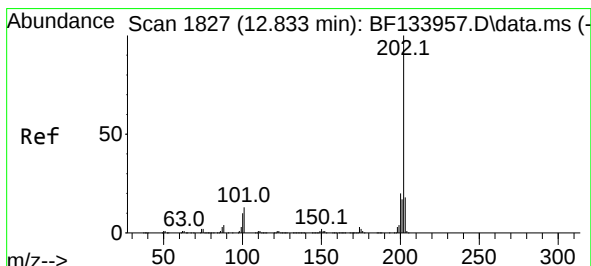
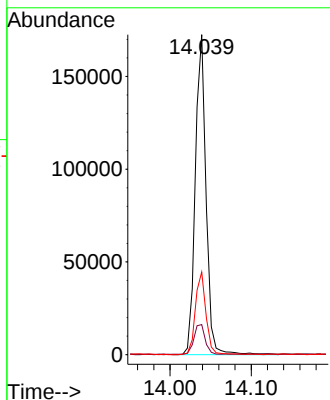
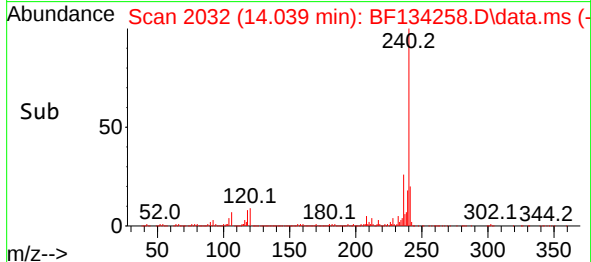
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL



Tgt Ion:240 Resp: 159884
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 25.8 21.0 31.6

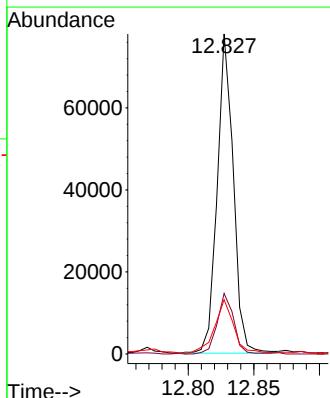
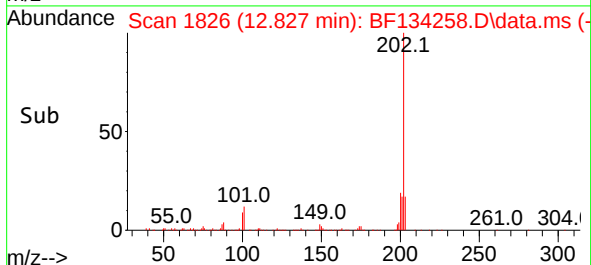
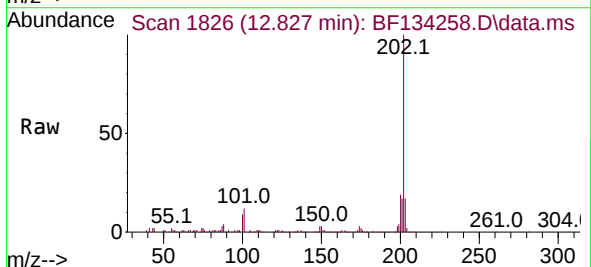
Manual Integrations
APPROVED

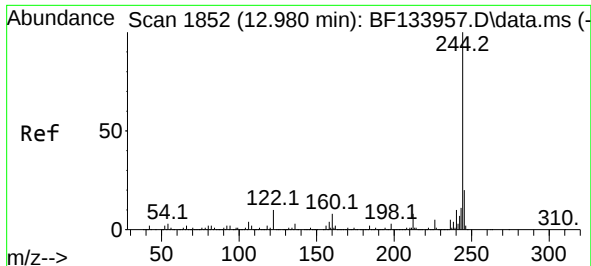
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#78
Pyrene
Concen: 4.466 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:202 Resp: 66454
Ion Ratio Lower Upper
202 100
200 18.9 16.1 24.1
203 17.0 14.3 21.5





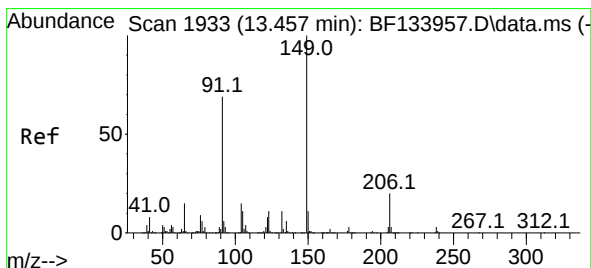
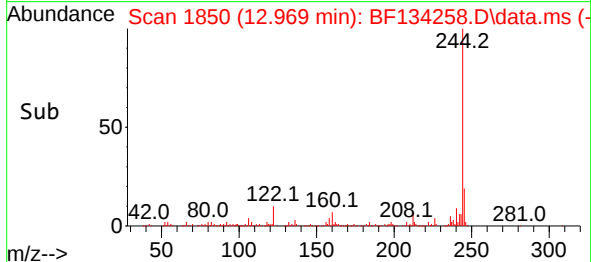
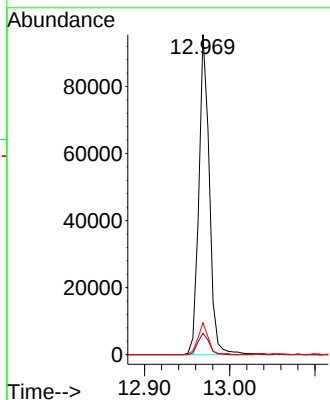
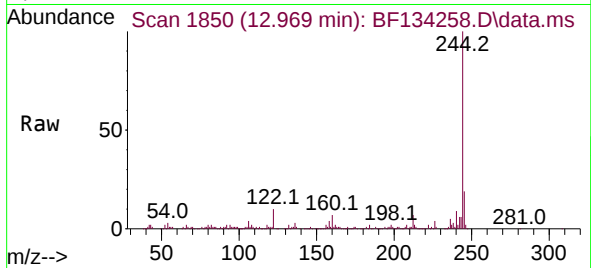
#79
Terphenyl-d14
Concen: 8.256 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

Tgt Ion:244 Resp: 8201
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 10.0 8.3 12.5

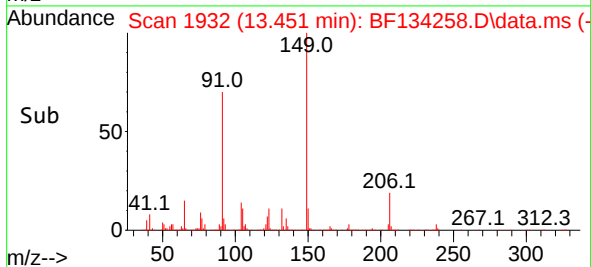
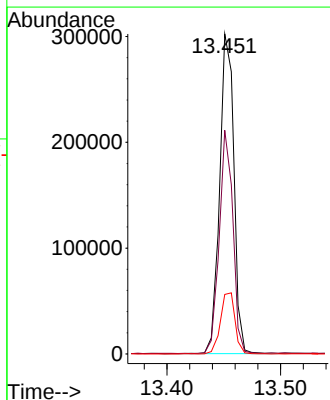
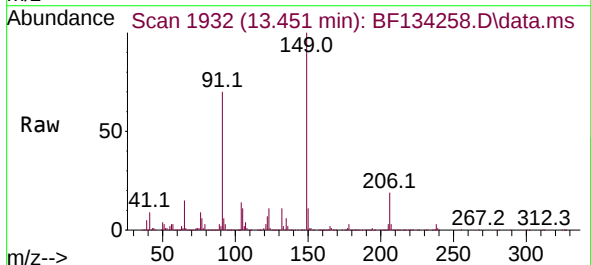
Manual Integrations
APPROVED

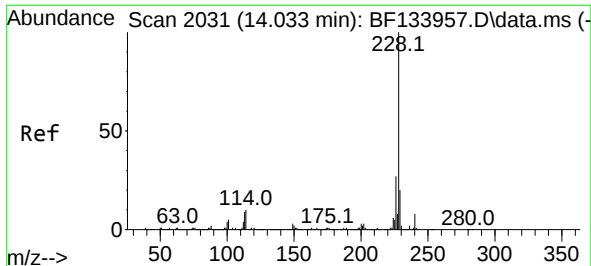
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#80
Butylbenzylphthalate
Concen: 47.364 ng
RT: 13.451 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:149 Resp: 264312
Ion Ratio Lower Upper
149 100
91 69.9 55.1 82.7
206 18.6 15.7 23.5





#81
Benzo(a)anthracene
Concen: 3.203 ng m
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

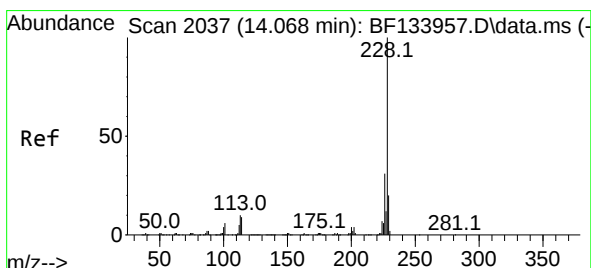
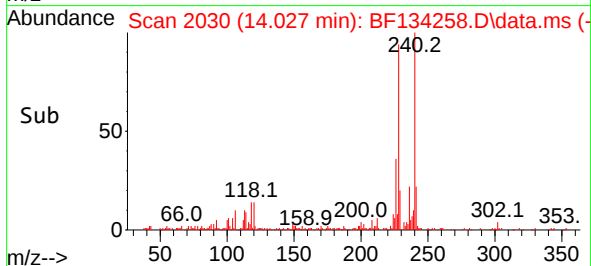
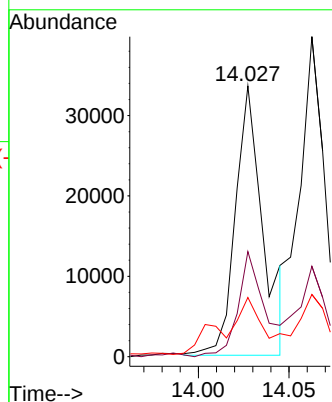
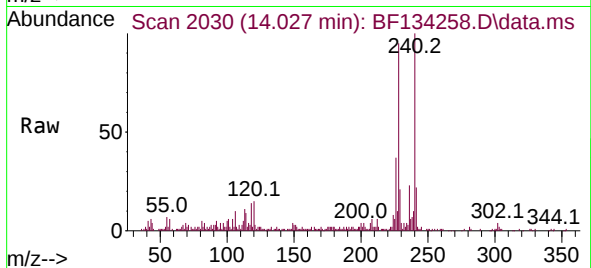
SB-2(0-2)DL

Tgt Ion:228 Resp: 3552
Ion Ratio Lower Upper
228 100
226 38.8 22.0 33.0
229 21.9 16.3 24.5

Manual Integrations

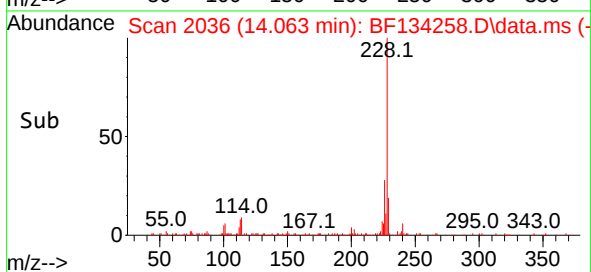
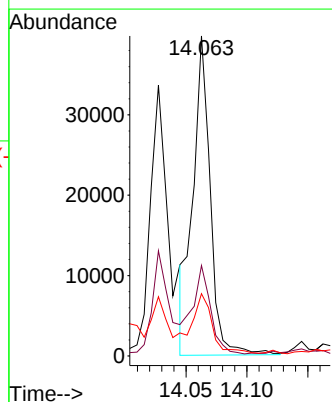
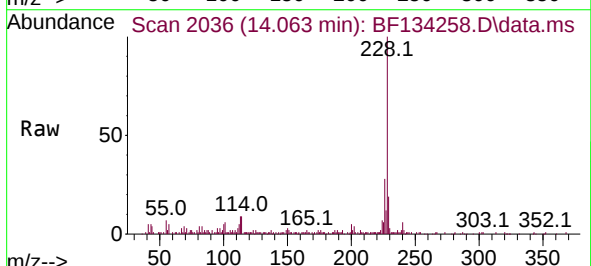
APPROVED

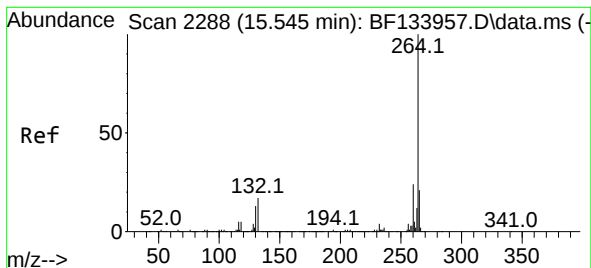
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#83
Chrysene
Concen: 3.669 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:228 Resp: 39408
Ion Ratio Lower Upper
228 100
226 28.2 24.4 36.6
229 19.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. 0.000 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

Instrument :

BNA_F

ClientSampleId :

SB-2(0-2)DL

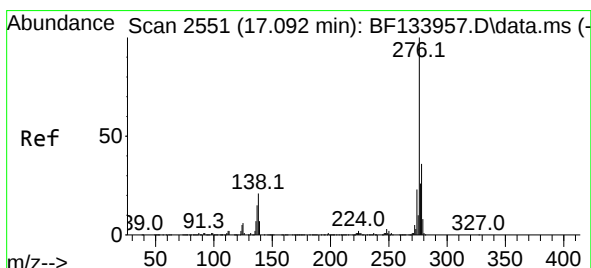
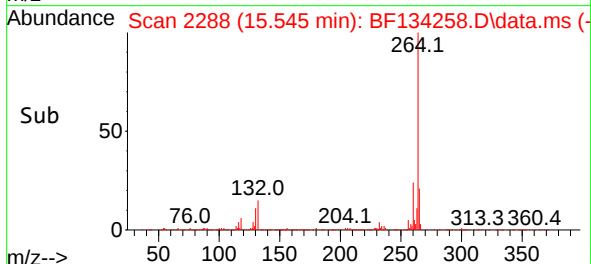
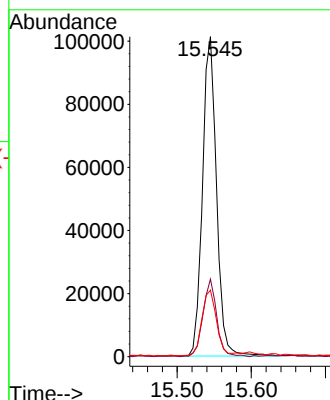
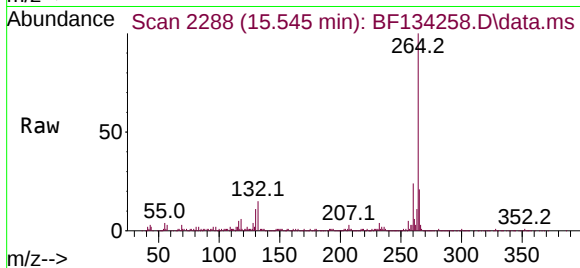
Tgt Ion:	264	Resp:	132869
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	20.8	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2023

Supervised By :mohammad ahmed 07/13/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.824 ng

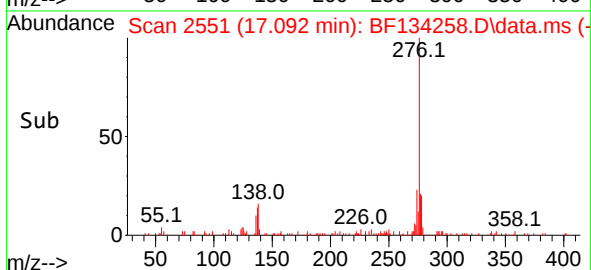
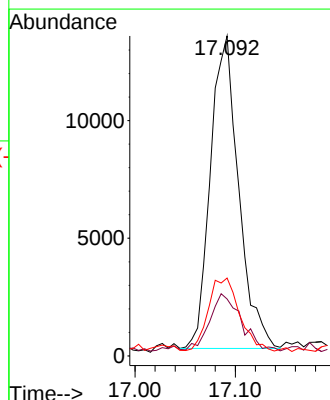
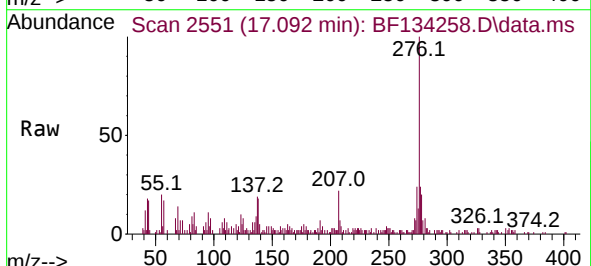
RT: 17.092 min Scan# 2551

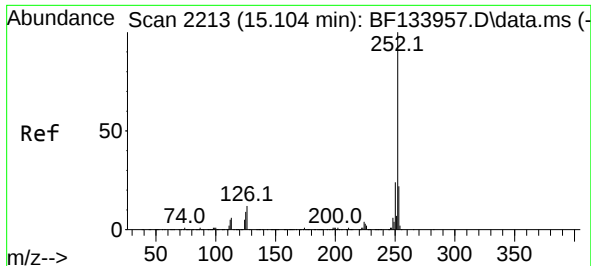
Delta R.T. -0.006 min

Lab File: BF134258.D

Acq: 12 Jul 2023 21:31

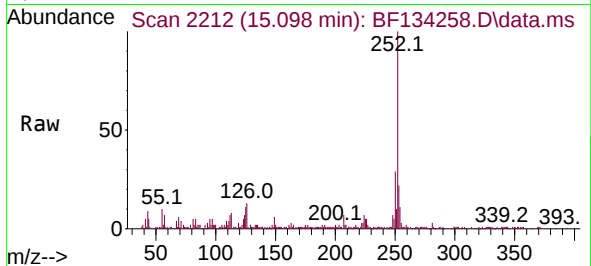
Tgt Ion:	276	Resp:	26039
Ion Ratio	Lower	Upper	
276	100		
138	20.2	18.7	28.1
277	26.4	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 8.405 ng m
RT: 15.098 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

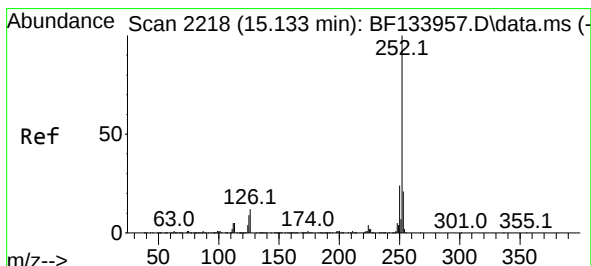
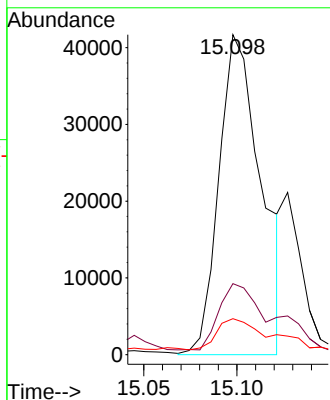
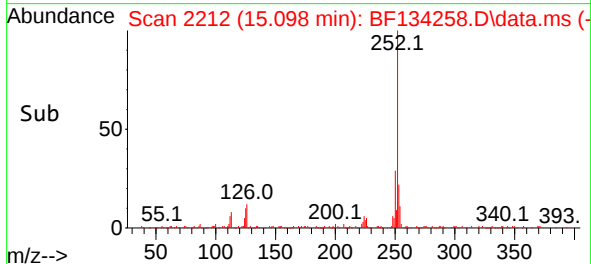
Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL



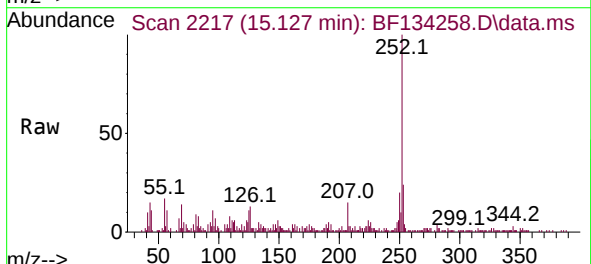
Tgt Ion:252 Resp: 6566
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 11.3 7.1 10.7

Manual Integrations
APPROVED

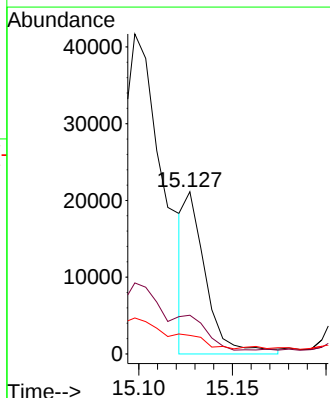
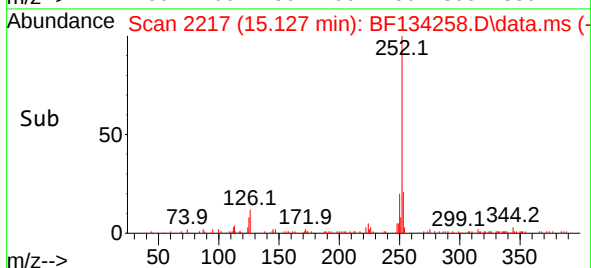
Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023

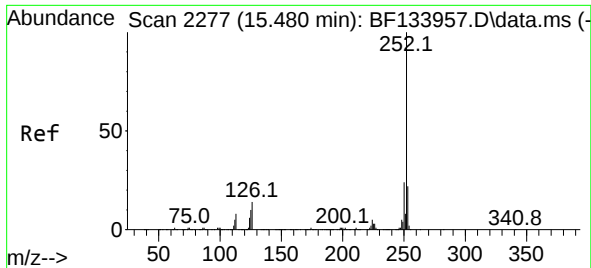


#89
Benzo(k)fluoranthene
Concen: 2.076 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31



Tgt Ion:252 Resp: 16511
Ion Ratio Lower Upper
252 100
253 23.9 16.9 25.3
125 11.4 7.4 11.2





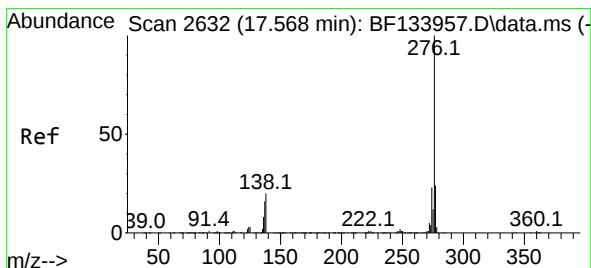
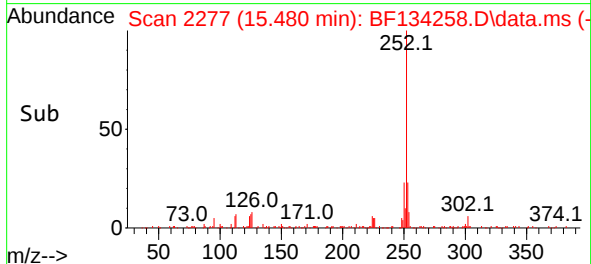
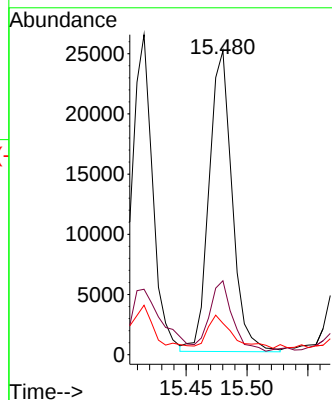
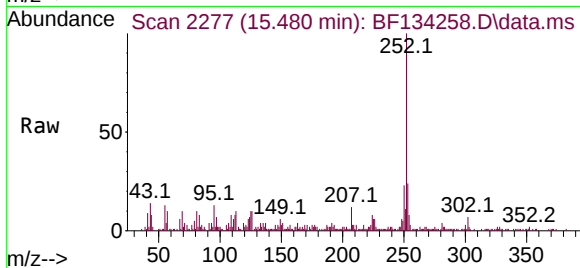
#90
Benzo(a)pyrene
Concen: 4.357 ng
RT: 15.480 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)DL

Tgt Ion:252 Resp: 3291
Ion Ratio Lower Upper
252 100
253 24.3 17.4 26.0
125 10.3 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2023
Supervised By :mohammad ahmed 07/13/2023



#92
Benzo(g,h,i)perylene
Concen: 3.256 ng
RT: 17.562 min Scan# 2631
Delta R.T. -0.006 min
Lab File: BF134258.D
Acq: 12 Jul 2023 21:31

Tgt Ion:276 Resp: 25284
Ion Ratio Lower Upper
276 100
277 21.1 19.0 28.6
138 17.9 16.2 24.2

