

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
 Data File : BF140894.D
 Acq On : 17 Dec 2024 19:07
 Operator : RC/JU
 Sample : P5301-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

Quant Time: Dec 18 00:14:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 16 16:59:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	49450	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	174361	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	93062	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	172385	20.000	ng	0.00
76) Chrysene-d12	14.033	240	150320	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	120944	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	369738	123.085	ng	0.00
7) Phenol-d6	6.504	99	476892	119.861	ng	0.00
23) Nitrobenzene-d5	7.416	82	319355	91.636	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	136315	123.849	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	540650	79.873	ng	0.00
79) Terphenyl-d14	12.963	244	632409	66.340	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	137487	15.509	ng	97
72) Anthracene	11.457	178	32481m	3.721	ng	
75) Fluoranthene	12.598	202	205355	20.115	ng	99
78) Pyrene	12.827	202	206639	15.459	ng	98
81) Benzo(a)anthracene	14.021	228	90665	8.510	ng	# 92
83) Chrysene	14.057	228	70723	7.300	ng	# 88
84) Bis(2-ethylhexyl)phtha...	13.992	149	80313	12.664	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.051	276	27306	3.618	ng	# 95
88) Benzo(b)fluoranthene	15.098	252	69914m	8.328	ng	
89) Benzo(k)fluoranthene	15.115	252	23134m	3.212	ng	
90) Benzo(a)pyrene	15.474	252	44646	6.791	ng	# 71
92) Benzo(g,h,i)perylene	17.515	276	25223	3.964	ng	# 82

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

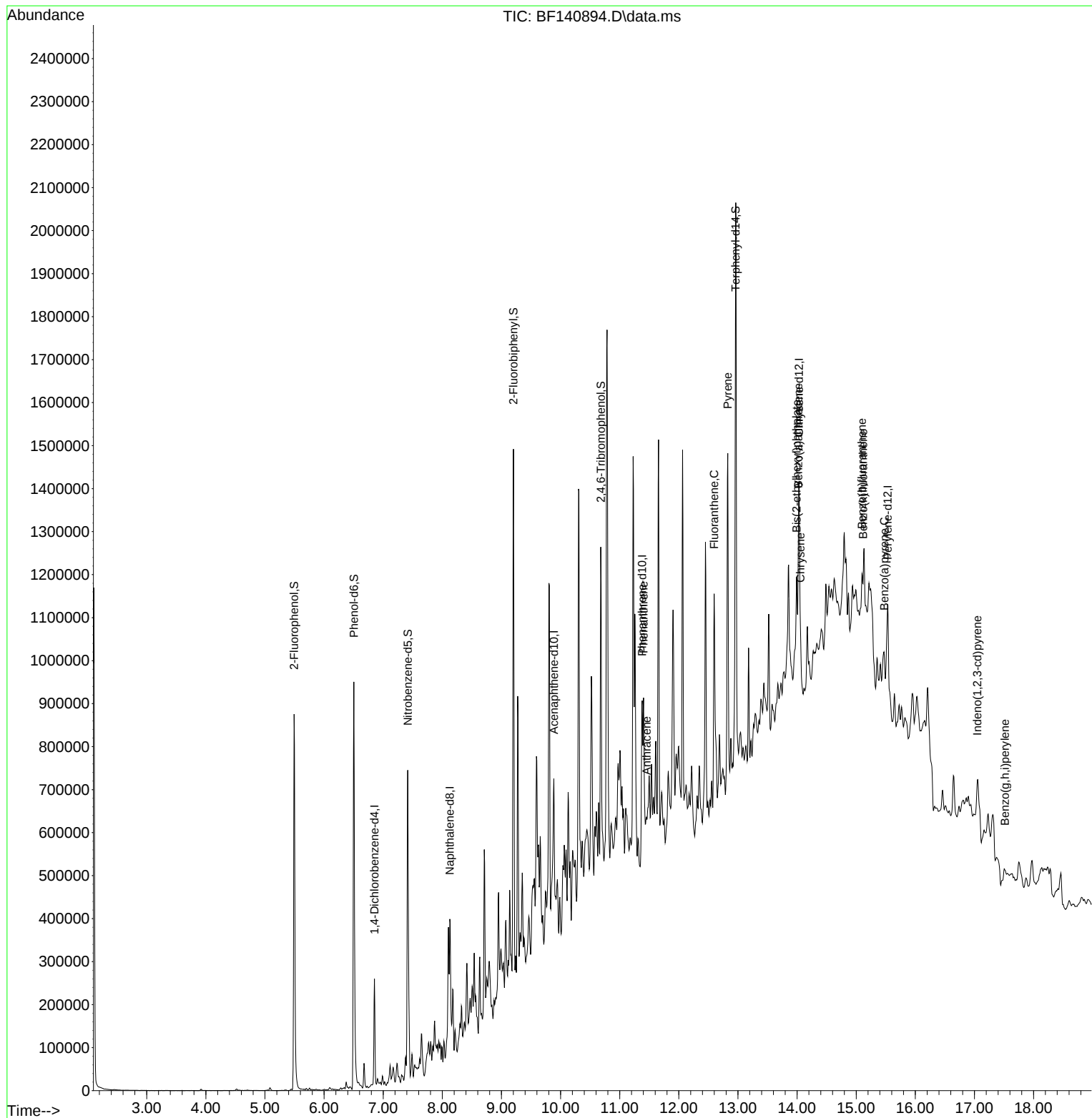
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121724\
Data File : BF140894.D
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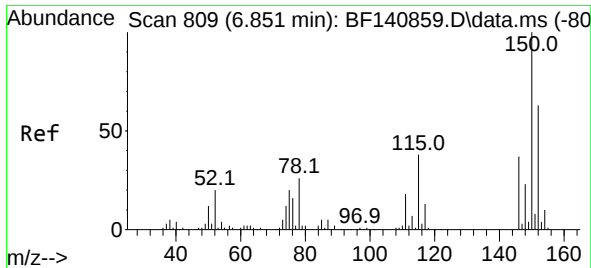
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121624.M
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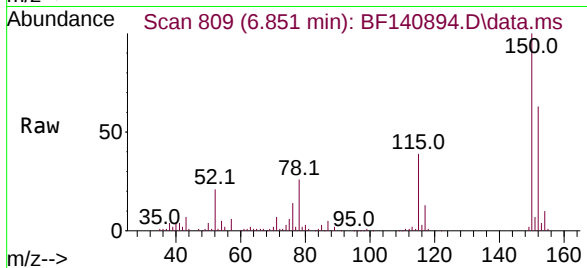
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624



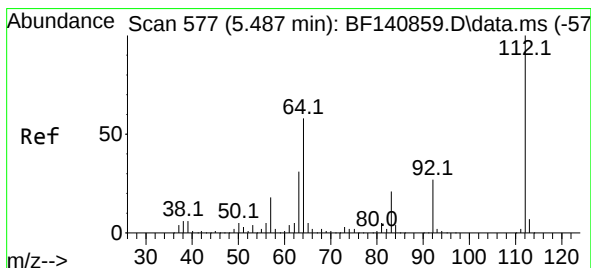
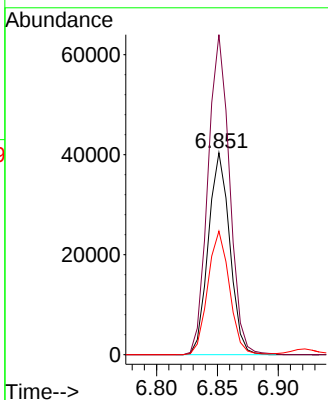
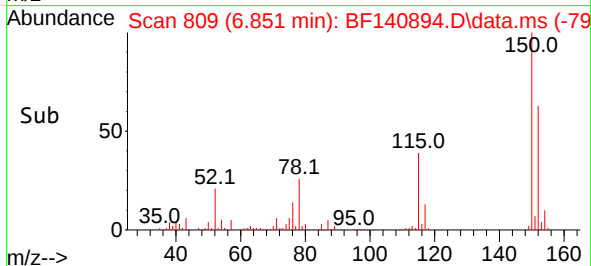
Tgt Ion:152 Resp: 49450
Ion Ratio Lower Upper
152 100
150 158.5 127.9 191.9
115 61.2 48.0 72.0

Manual Integrations

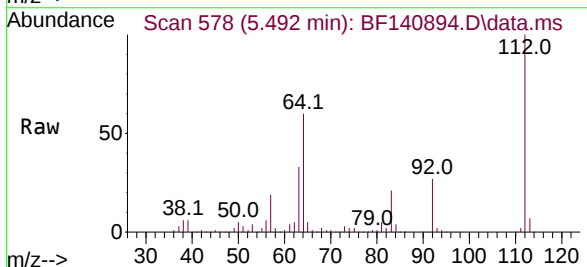
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

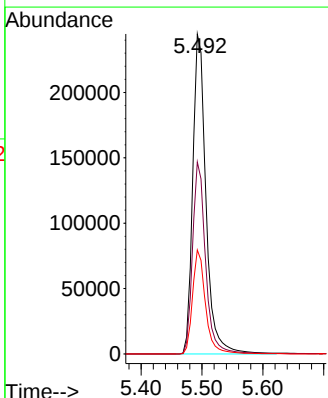
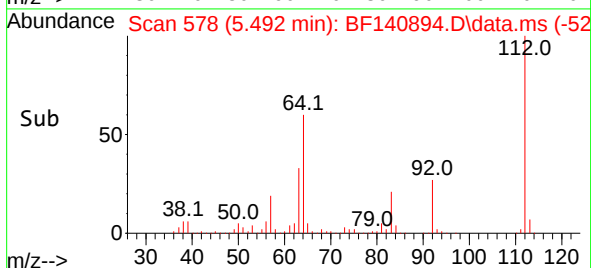
Supervised By :mohammad ahmed 12/18/2024

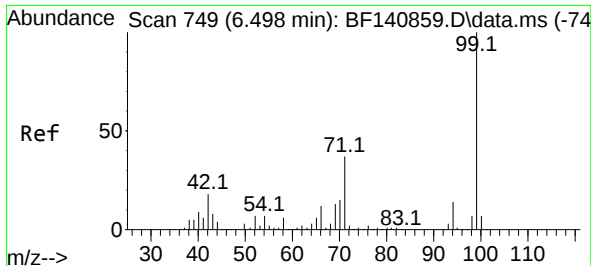


#5
2-Fluorophenol
Concen: 123.085 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07



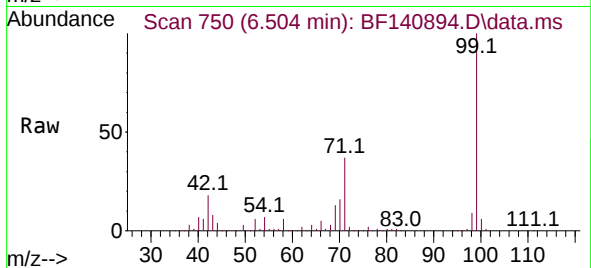
Tgt Ion:112 Resp: 369738
Ion Ratio Lower Upper
112 100
64 60.0 46.1 69.1
63 32.5 24.9 37.3





#7
Phenol-d6
Concen: 119.861 ng
RT: 6.504 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

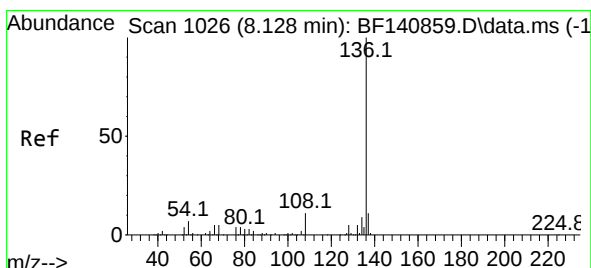
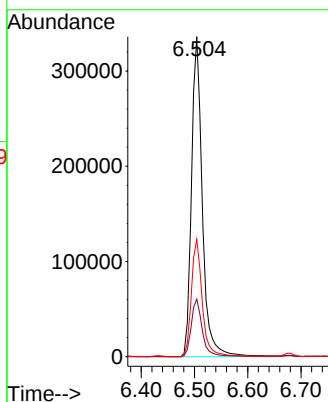
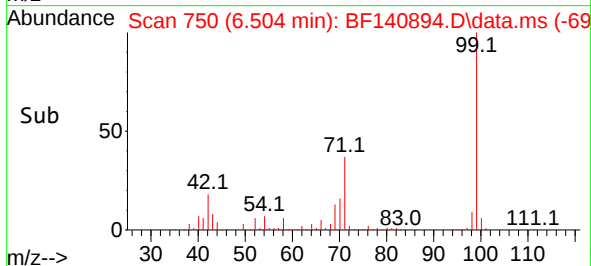
Instrument :
BNA_F
ClientSampleId :
HR-04-121624



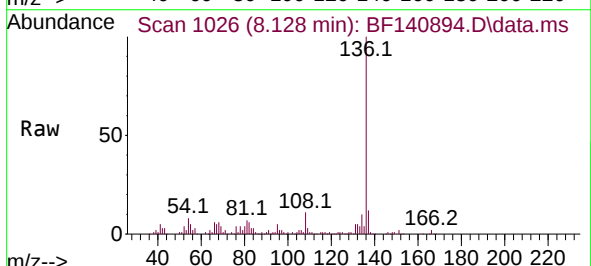
Tgt Ion: 99 Resp: 476892
Ion Ratio Lower Upper
99 100
42 18.0 14.3 21.5
71 36.7 29.9 44.9

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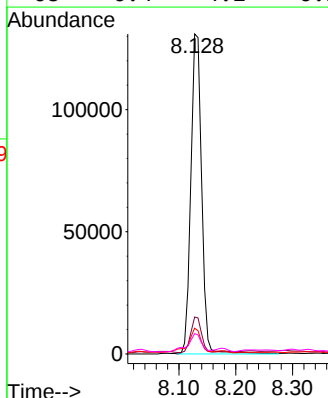
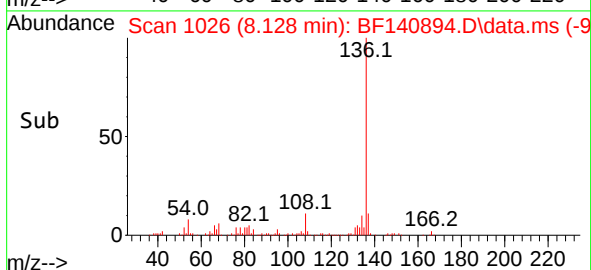
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024

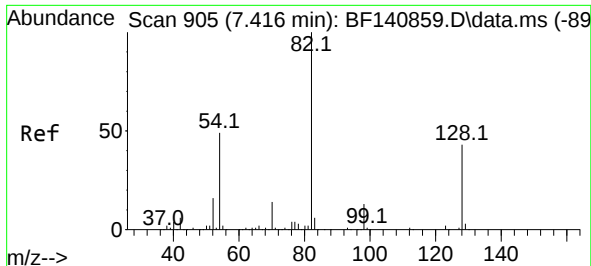


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07



Tgt Ion:136 Resp: 174361
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 8.1 5.6 8.4
68 6.4 4.2 6.2#





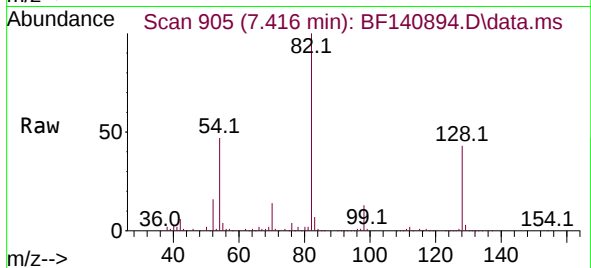
#23
Nitrobenzene-d5
Concen: 91.636 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

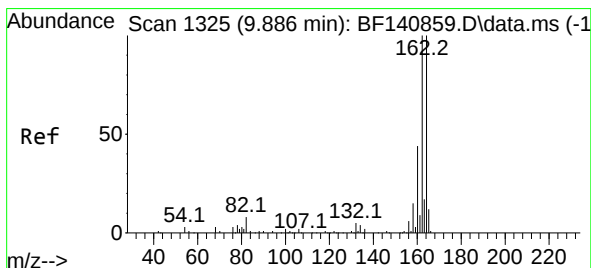
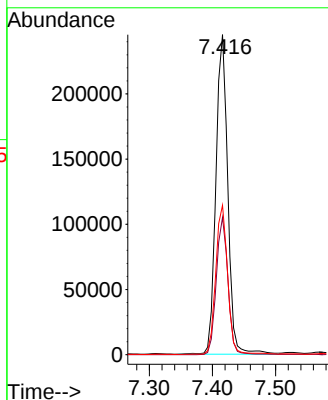
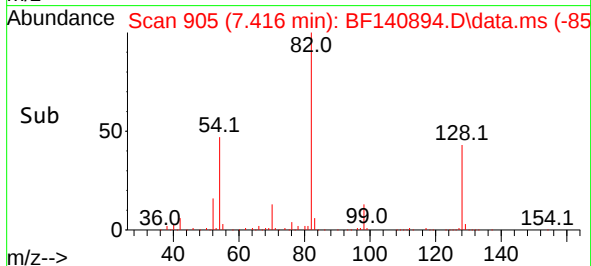
HR-04-121624



Tgt Ion: 82 Resp: 31935
Ion Ratio Lower Upper
82 100
128 42.9 34.4 51.6
54 46.7 38.8 58.2

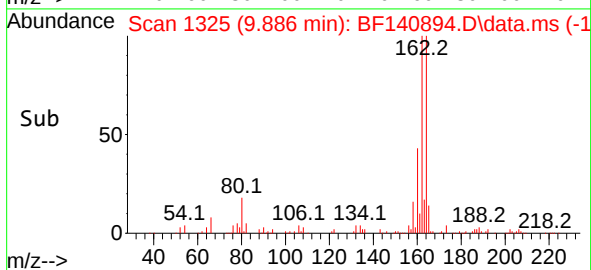
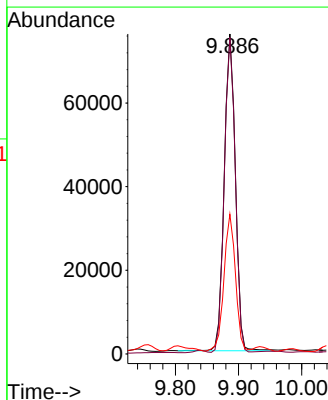
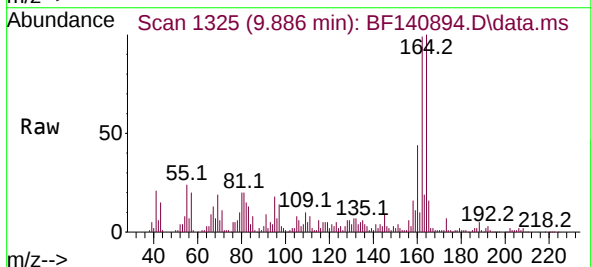
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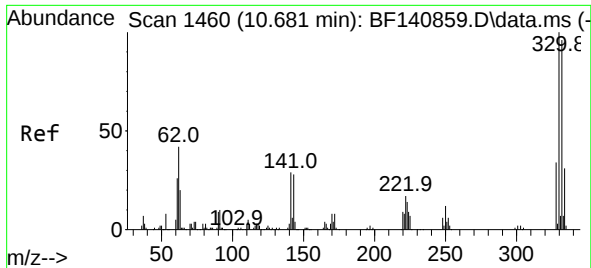
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:164 Resp: 93062
Ion Ratio Lower Upper
164 100
162 99.0 79.9 119.9
160 43.7 35.2 52.8





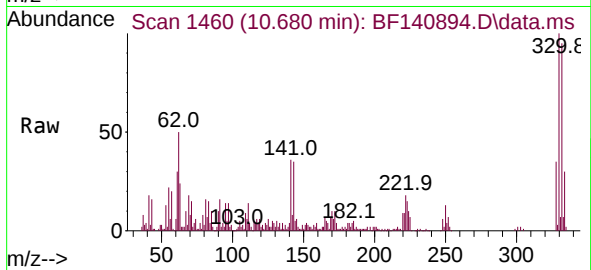
#42
2,4,6-Tribromophenol
Concen: 123.849 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624



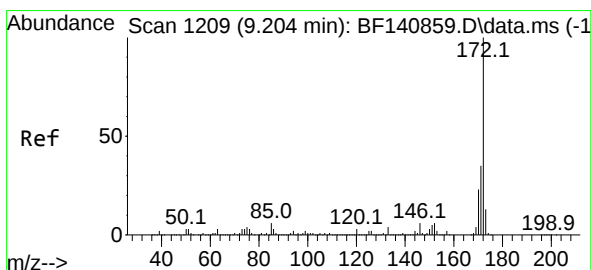
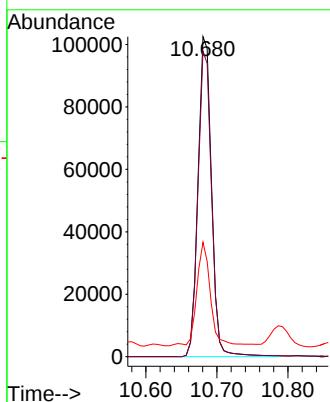
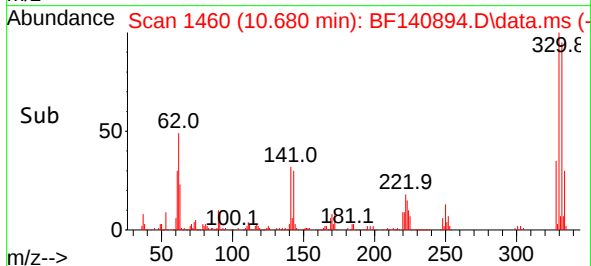
Tgt Ion:330 Resp: 136315
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 32.9 24.9 37.3

Manual Integrations

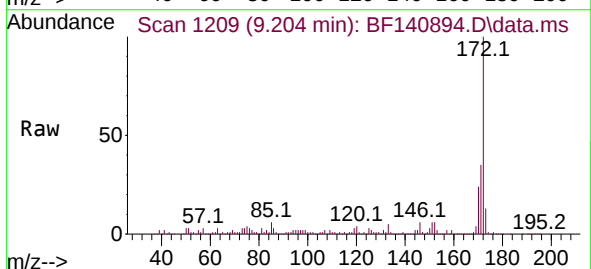
APPROVED

Reviewed By :Yogesh Patel 12/18/2024

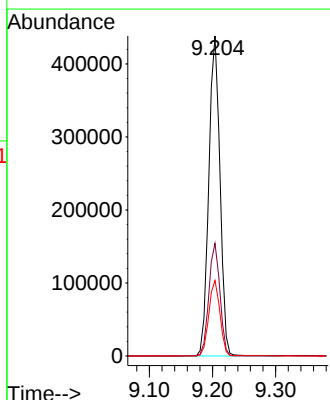
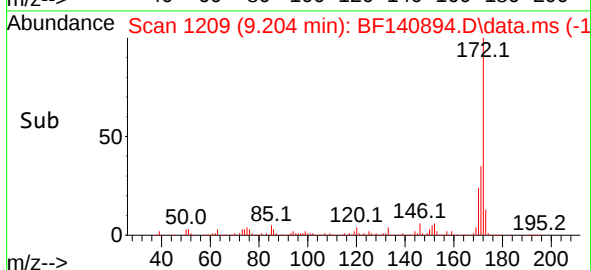
Supervised By :mohammad ahmed 12/18/2024

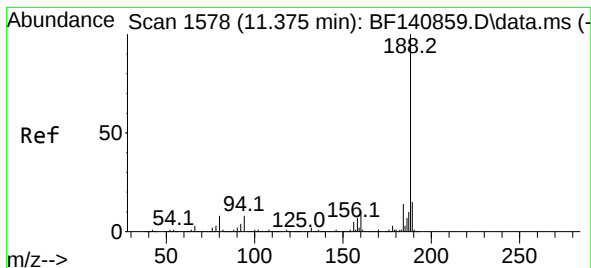


#45
2-Fluorobiphenyl
Concen: 79.873 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07



Tgt Ion:172 Resp: 540650
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.6 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

Tgt Ion:188 Resp: 17238

Ion Ratio Lower Upper

188 100

94 9.0 6.4 9.6

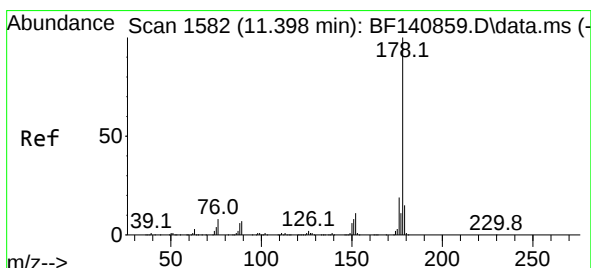
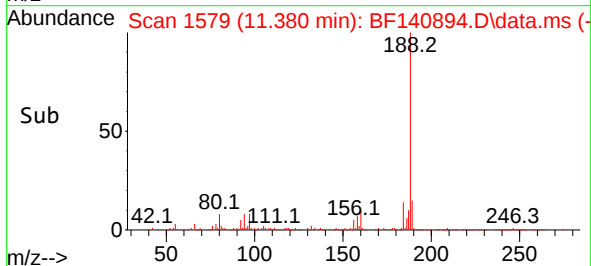
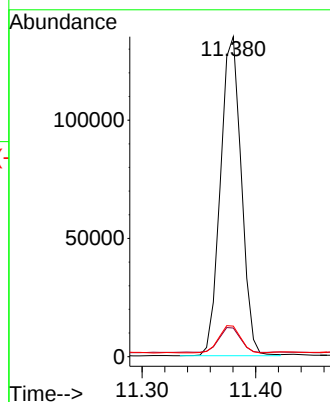
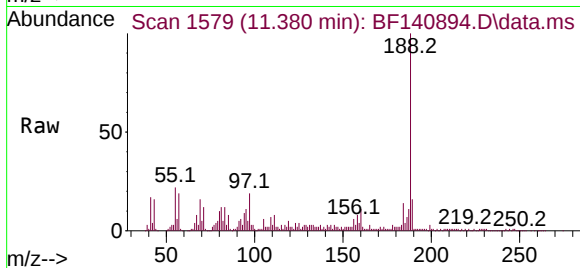
80 9.6 6.8 10.2

Manual Integrations

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Supervised By :mohammad ahmed 12/18/2024



#71

Phenanthrene

Concen: 15.509 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

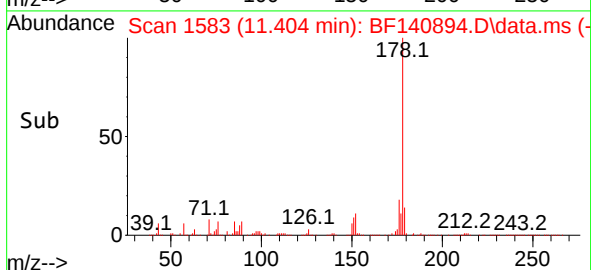
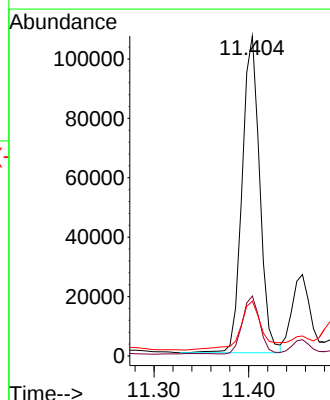
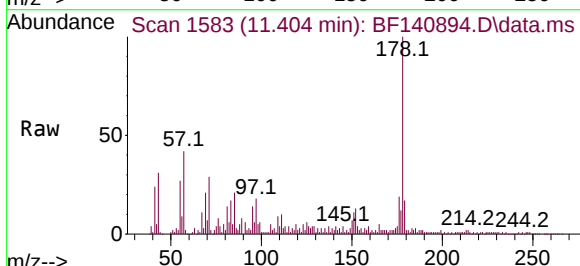
Tgt Ion:178 Resp: 137487

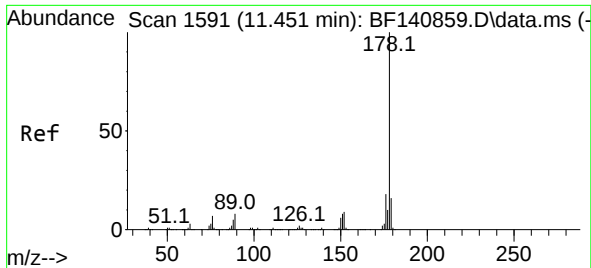
Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

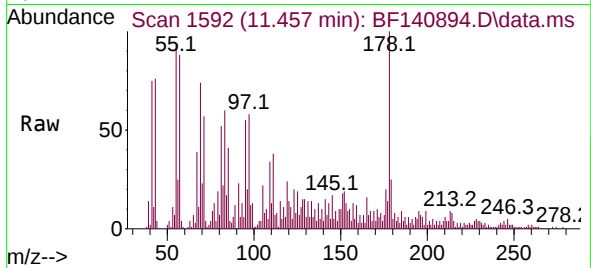
179 17.2 12.1 18.1





#72
 Anthracene
 Concen: 3.721 ng m
 RT: 11.457 min Scan# 1591
 Delta R.T. 0.006 min
 Lab File: BF140894.D
 Acq: 17 Dec 2024 19:07

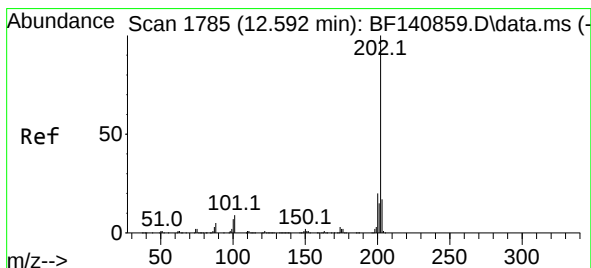
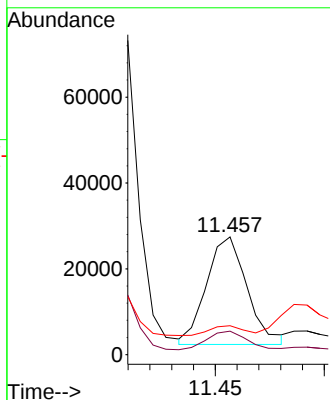
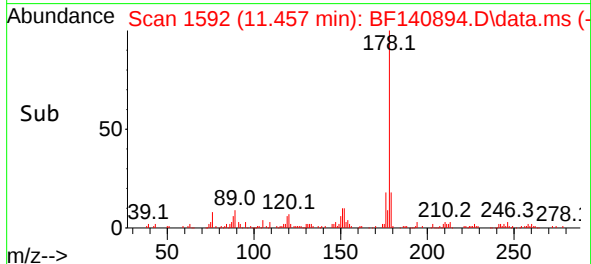
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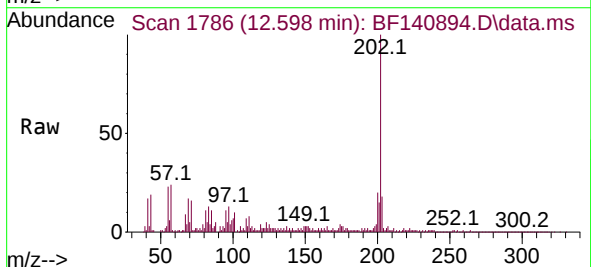
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 Ion Ratio Lower Upper
 178 100
 176 19.9 14.6 22.0
 179 24.6 12.6 18.8

Manual Integrations
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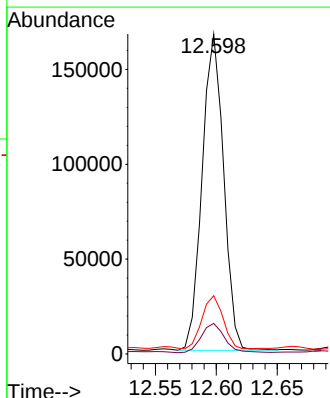
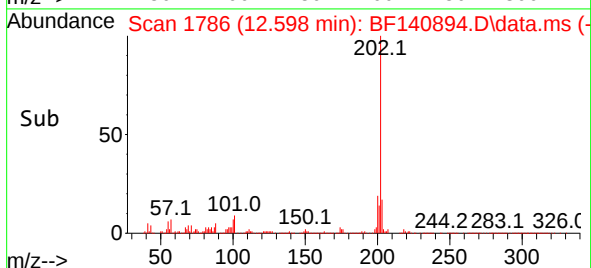
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024

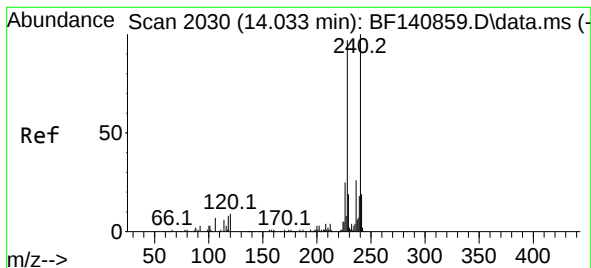


#75
 Fluoranthene
 Concen: 20.115 ng
 RT: 12.598 min Scan# 1786
 Delta R.T. 0.006 min
 Lab File: BF140894.D
 Acq: 17 Dec 2024 19:07



Tgt Ion:202 Resp: 205355
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.3
 203 18.2 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

Tgt Ion:240 Resp: 150320

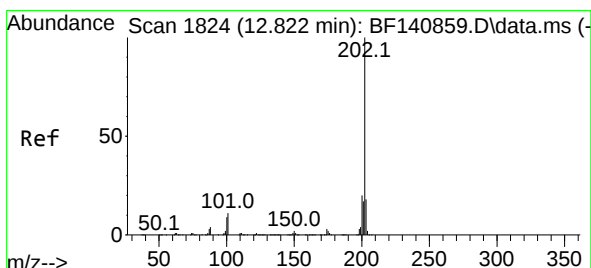
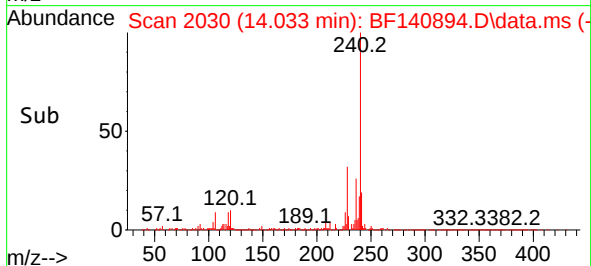
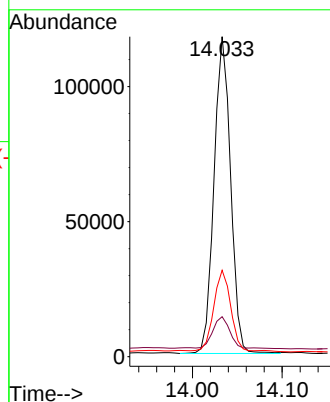
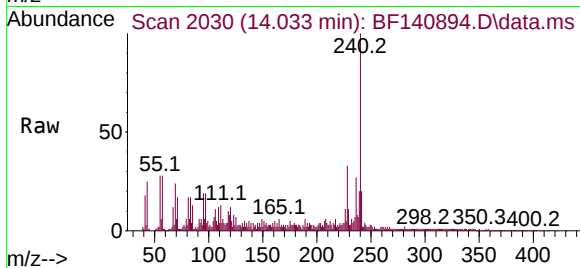
Ion	Ratio	Lower	Upper
240	100		
120	12.5	7.6	11.4
236	27.0	20.5	30.7

Manual Integrations

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Supervised By :mohammad ahmed 12/18/2024



#78

Pyrene

Concen: 15.459 ng

RT: 12.827 min Scan# 1825

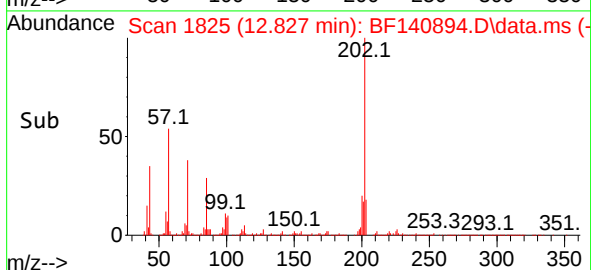
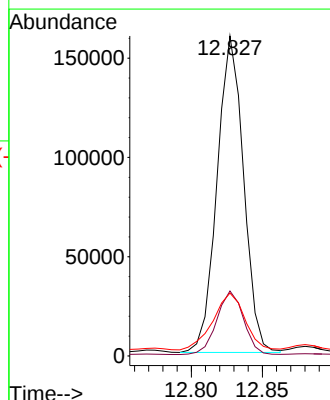
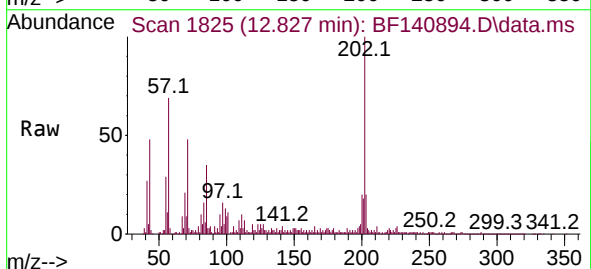
Delta R.T. 0.006 min

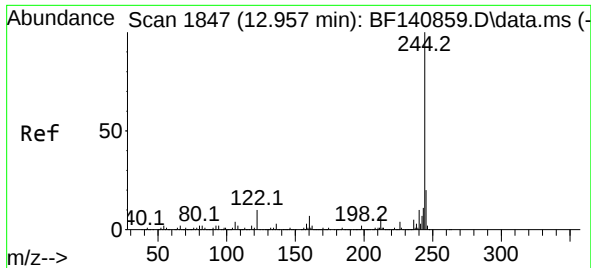
Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Tgt Ion:202 Resp: 206639

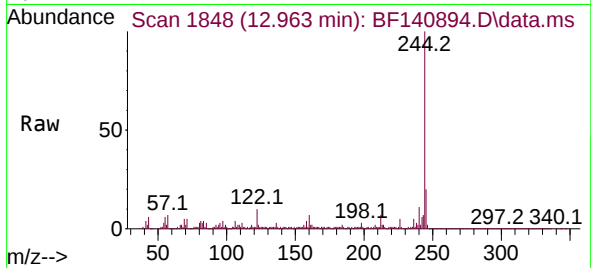
Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.1	24.1
203	19.7	14.2	21.4





#79
 Terphenyl-d14
 Concen: 66.340 ng
 RT: 12.963 min Scan# 1847
 Delta R.T. 0.006 min
 Lab File: BF140894.D
 Acq: 17 Dec 2024 19:07

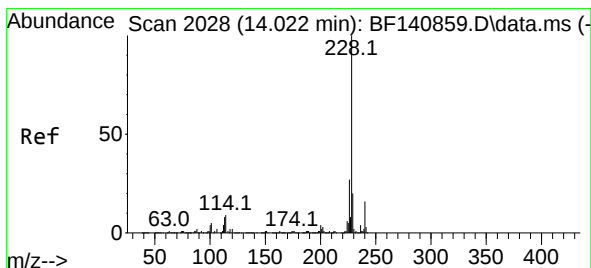
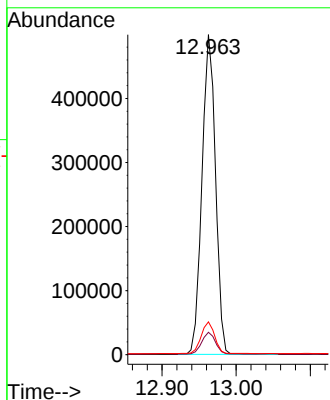
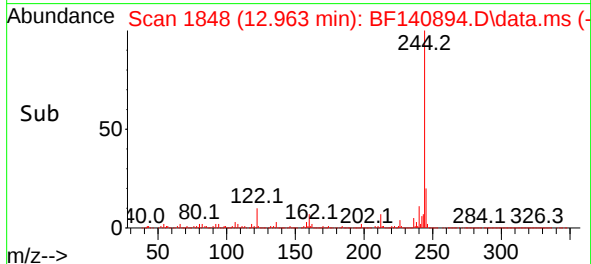
Instrument :
 BNA_F
 ClientSampleId :
 HR-04-121624



Tgt Ion:244 Resp: 632409
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.3 8.2 12.2

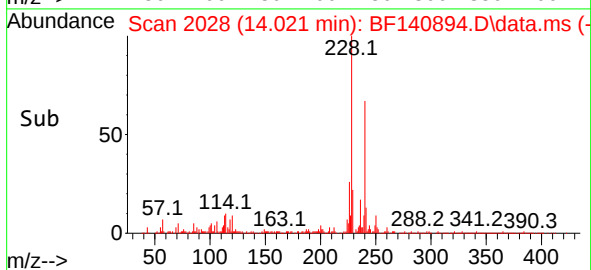
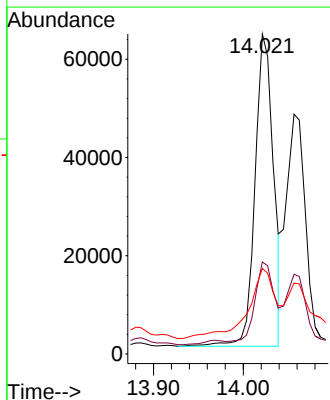
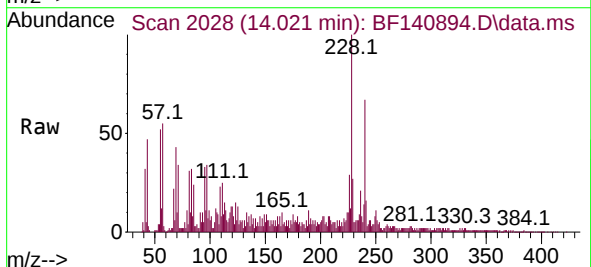
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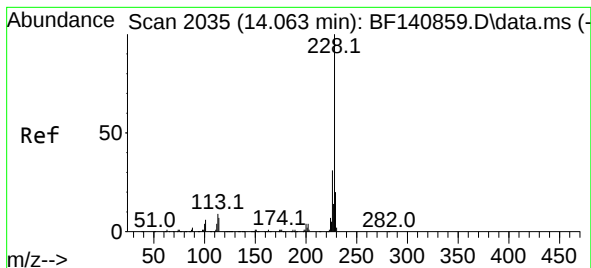
Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/18/2024



#81
 Benzo(a)anthracene
 Concen: 8.510 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF140894.D
 Acq: 17 Dec 2024 19:07

Tgt Ion:228 Resp: 90665
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.8 32.8
 229 26.7 15.8 23.8#





#83

Chrysene

Concen: 7.300 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

Tgt Ion:228 Resp: 7072

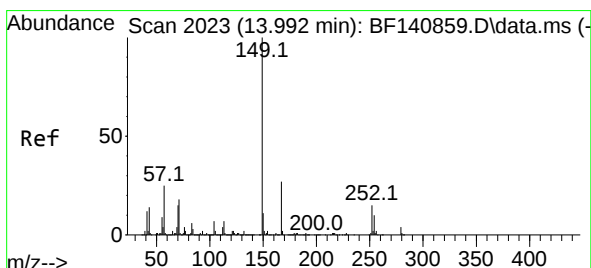
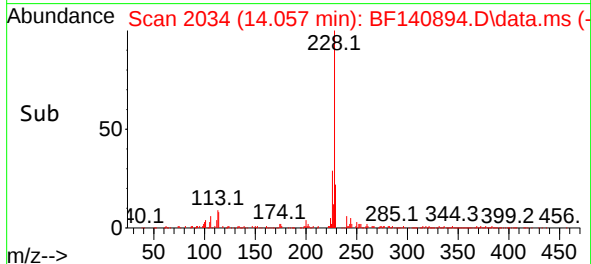
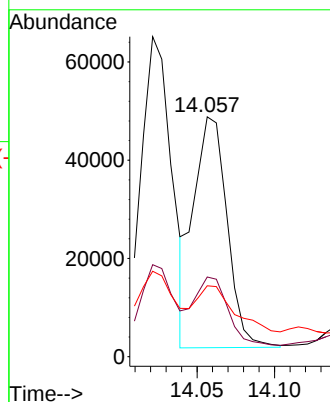
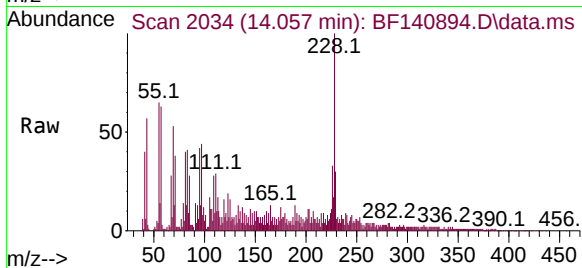
Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.1	36.1
229	29.6	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.664 ng

RT: 13.992 min Scan# 2023

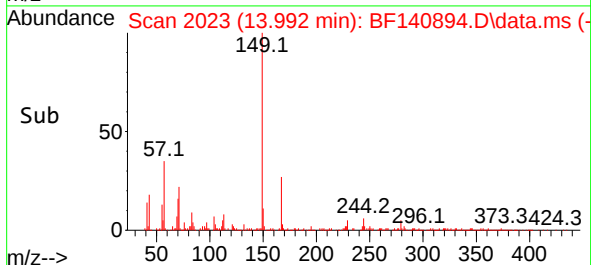
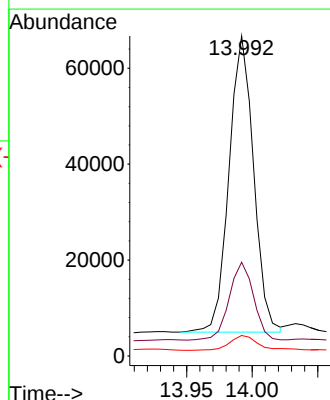
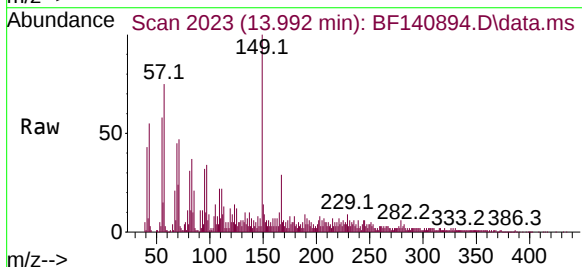
Delta R.T. -0.000 min

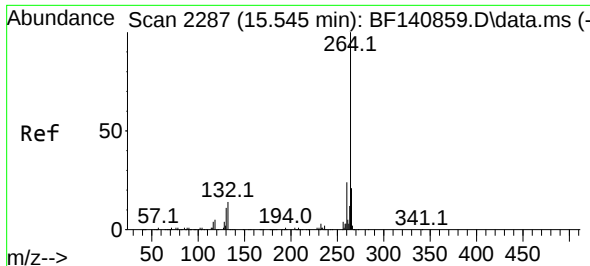
Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Tgt Ion:149 Resp: 80313

Ion	Ratio	Lower	Upper
149	100		
167	29.3	21.8	32.8
279	6.4	3.5	5.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

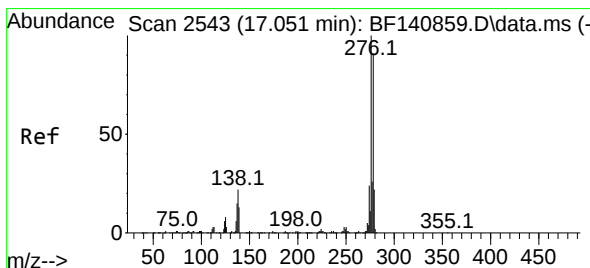
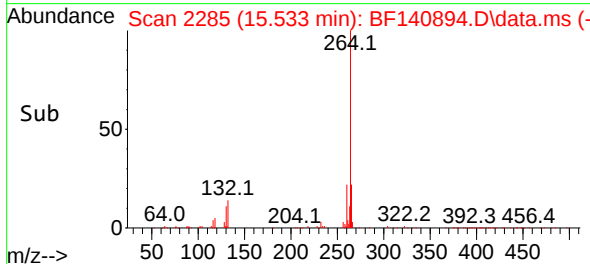
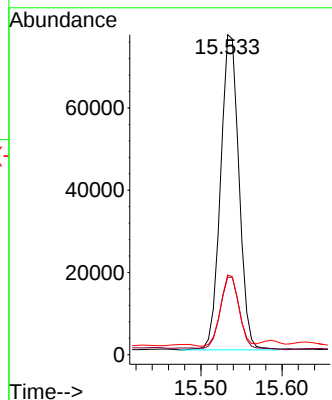
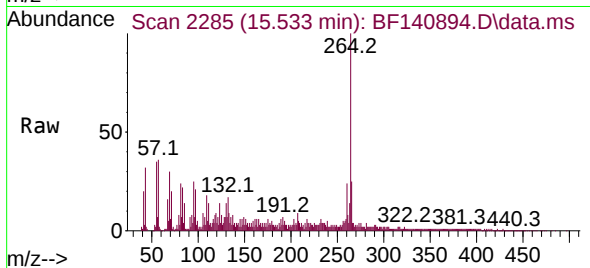
ClientSampleId :

HR-04-121624

Tgt Ion:264 Resp: 120944
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 24.9 17.0 25.4

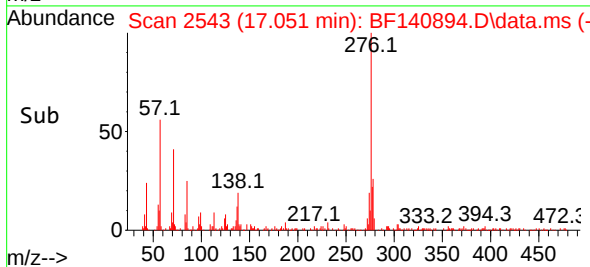
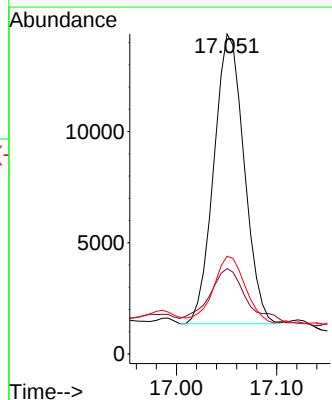
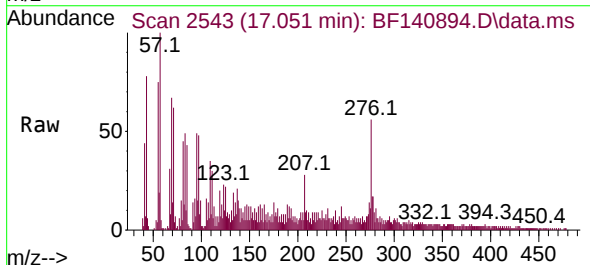
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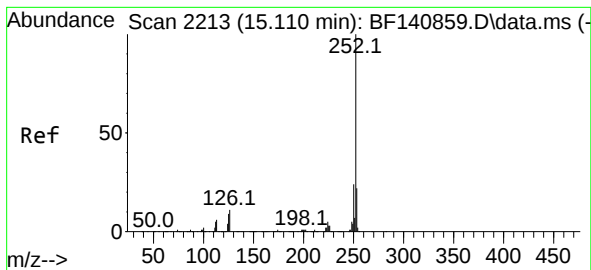
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/18/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.618 ng
RT: 17.051 min Scan# 2543
Delta R.T. -0.000 min
Lab File: BF140894.D
Acq: 17 Dec 2024 19:07

Tgt Ion:276 Resp: 27306
Ion Ratio Lower Upper
276 100
138 26.5 16.9 25.3#
277 25.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 8.328 ng m

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

Tgt Ion:252 Resp: 69914

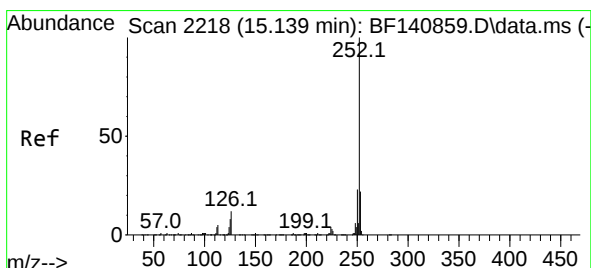
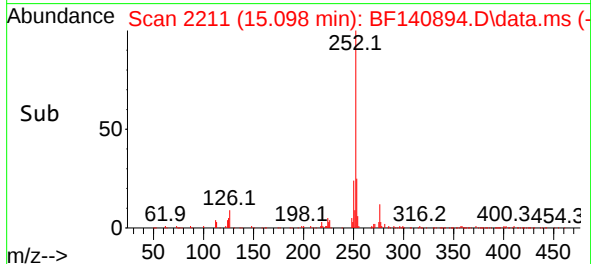
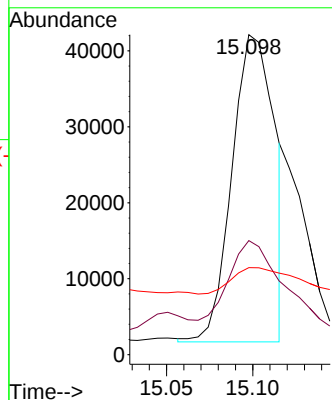
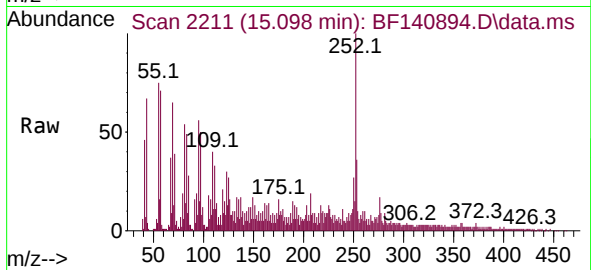
Ion	Ratio	Lower	Upper
252	100		
253	35.7	17.8	26.6
125	27.2	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#89

Benzo(k)fluoranthene

Concen: 3.212 ng m

RT: 15.115 min Scan# 2214

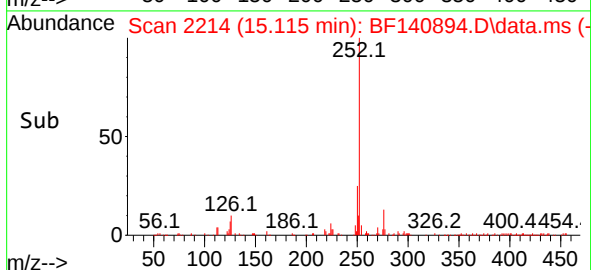
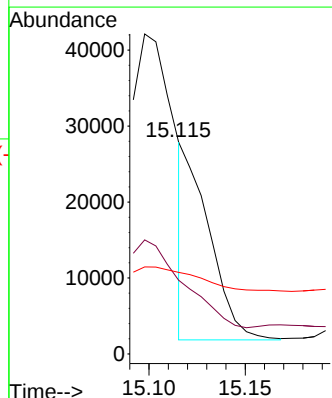
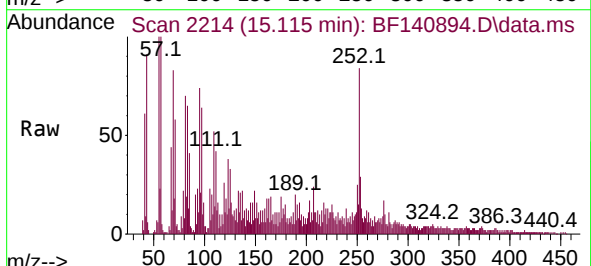
Delta R.T. -0.024 min

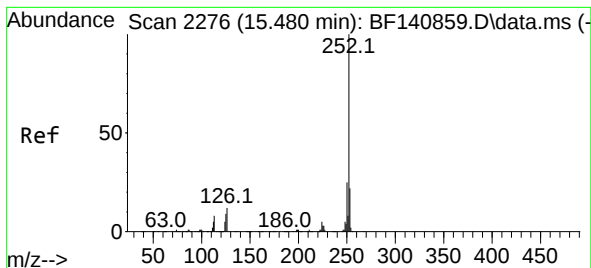
Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Tgt Ion:252 Resp: 23134

Ion	Ratio	Lower	Upper
252	100		
253	34.8	17.5	26.3
125	38.5	6.8	10.2





#90

Benzo(a)pyrene

Concen: 6.791 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Instrument :

BNA_F

ClientSampleId :

HR-04-121624

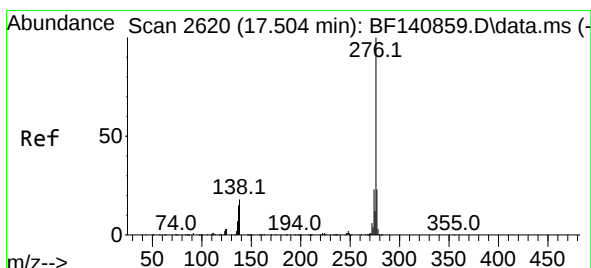
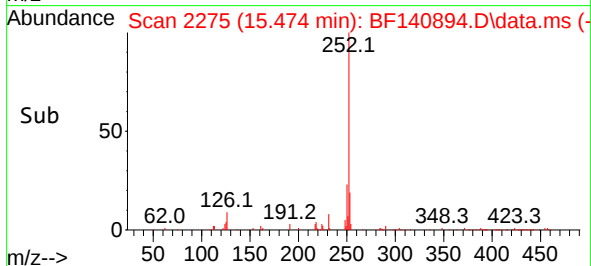
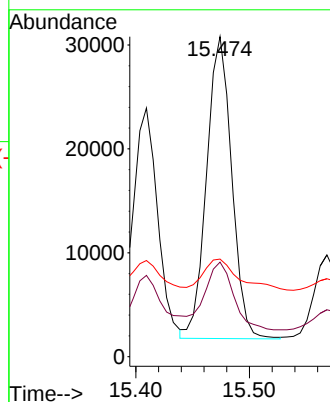
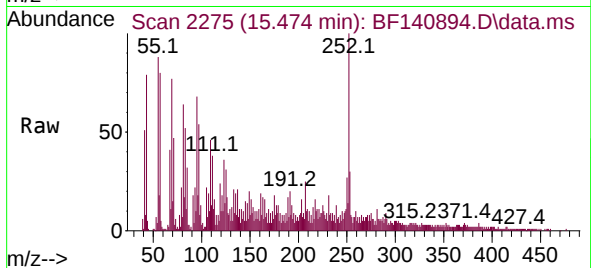
Tgt Ion:	252	Resp:	44640
Ion Ratio	Lower	Upper	
252	100		
253	29.6	17.5	26.3
125	30.5	7.5	11.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/18/2024



#92

Benzo(g,h,i)perylene

Concen: 3.964 ng

RT: 17.515 min Scan# 2622

Delta R.T. 0.012 min

Lab File: BF140894.D

Acq: 17 Dec 2024 19:07

Tgt Ion:	276	Resp:	25223
Ion Ratio	Lower	Upper	
276	100		
277	31.5	18.7	28.1
138	26.6	14.2	21.2

