

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140282.D
 Acq On : 07 Nov 2024 18:25
 Operator : RC/JU
 Sample : P4734-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-11062024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

Quant Time: Nov 08 01:30:17 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	150708	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	550544	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	269625	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	390808	20.000	ng	0.00
76) Chrysene-d12	14.051	240	328768	20.000	ng	-0.01
86) Perylene-d12	15.539	264	254474	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	119599	13.151	ng	0.00
7) Phenol-d6	6.493	99	148684	12.711	ng	-0.01
23) Nitrobenzene-d5	7.434	82	92761	8.377	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	27556	10.340	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	179035	10.603	ng	-0.01
79) Terphenyl-d14	12.992	244	158392	7.892	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.428	178	192199	10.305	ng	98
72) Anthracene	11.480	178	44472	2.432	ng	99
75) Fluoranthene	12.622	202	289294	14.834	ng	98
78) Pyrene	12.851	202	292770	10.785	ng	98
81) Benzo(a)anthracene	14.039	228	141076	6.686	ng	96
83) Chrysene	14.074	228	117321	5.938	ng	98
87) Indeno(1,2,3-cd)pyrene	17.033	276	46204	3.093	ng	95
88) Benzo(b)fluoranthene	15.098	252	122948m	7.987	ng	
89) Benzo(k)fluoranthene	15.116	252	40814m	2.890	ng	
90) Benzo(a)pyrene	15.468	252	83606	6.588	ng	# 95
92) Benzo(g,h,i)perylene	17.492	276	46104	3.678	ng	96

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

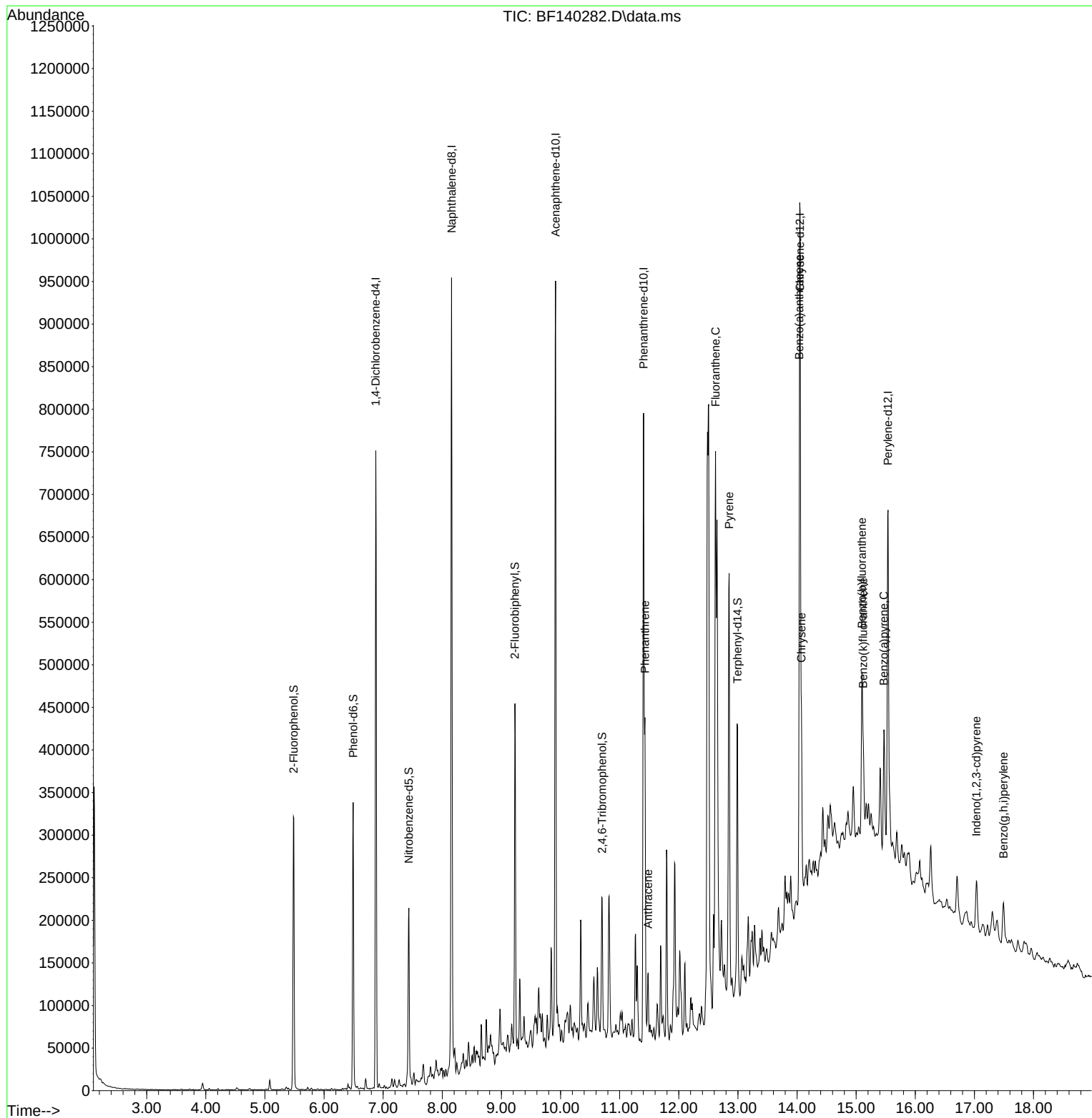
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
Data File : BF140282.D
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Operator : RC/JU
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ALS Vial : 22 Sample Multiplier: 1

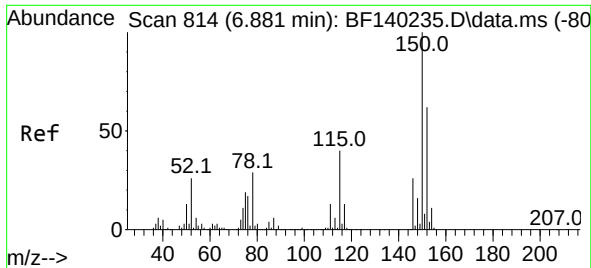
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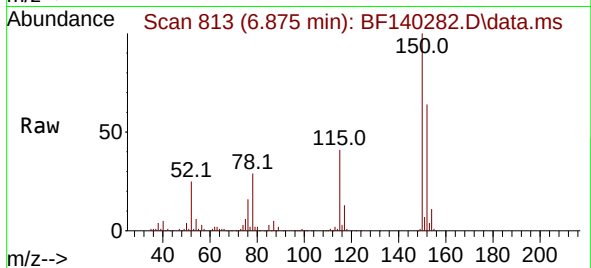
Quant Time: Nov 08 01:30:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 05 16:47:56 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

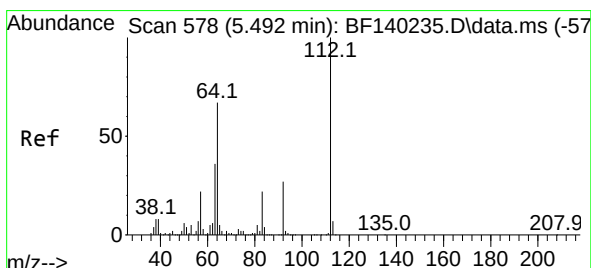
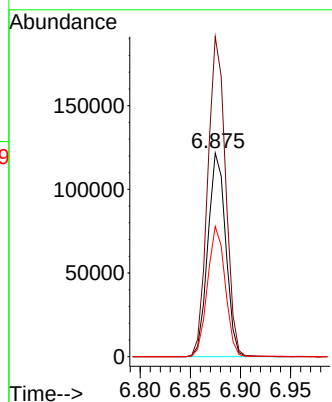
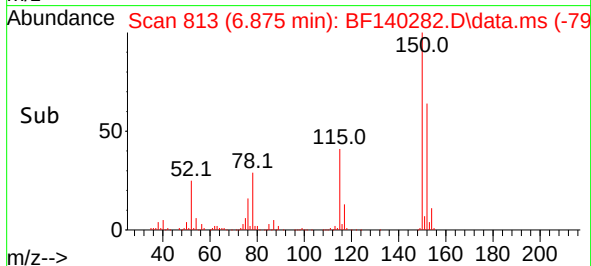
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024



Tgt Ion:152 Resp: 150708
Ion Ratio Lower Upper
152 100
150 157.1 129.4 194.2
115 63.9 51.5 77.3

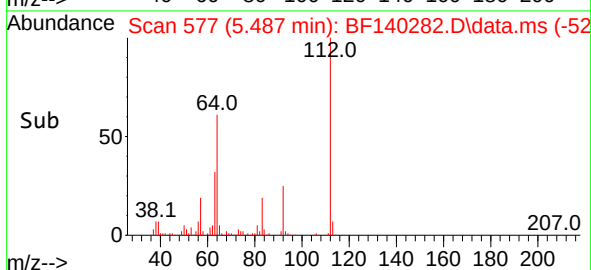
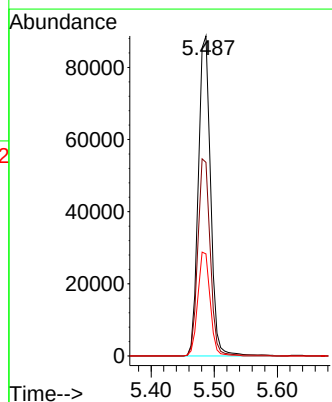
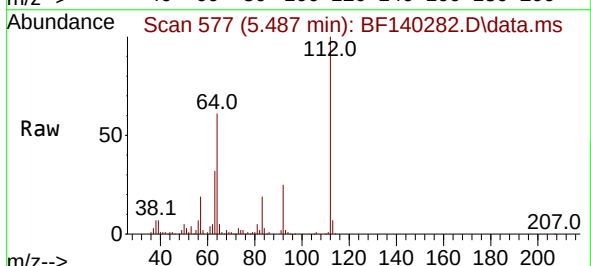
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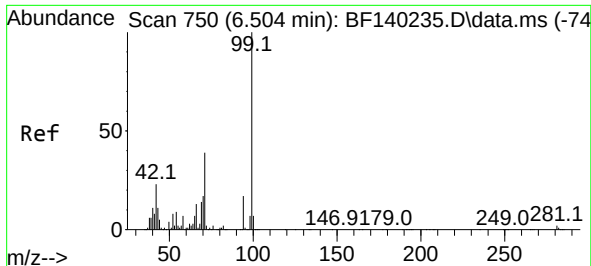
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#5
2-Fluorophenol
Concen: 13.151 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

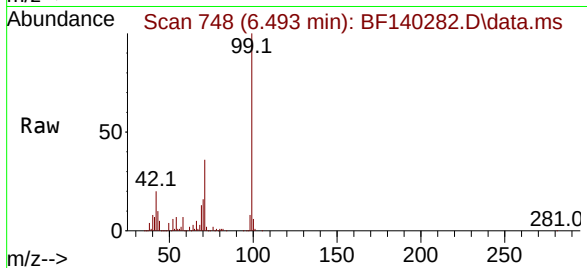
Tgt Ion:112 Resp: 119599
Ion Ratio Lower Upper
112 100
64 60.5 53.4 80.2
63 31.9 28.9 43.3





#7
Phenol-d6
Concen: 12.711 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

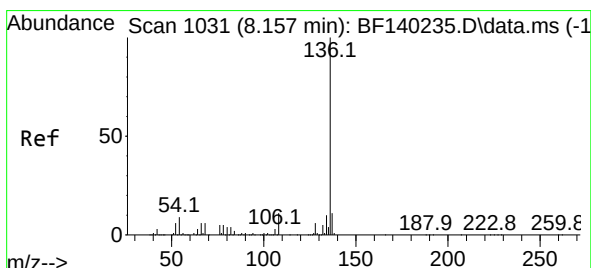
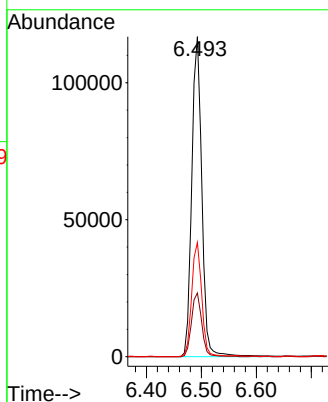
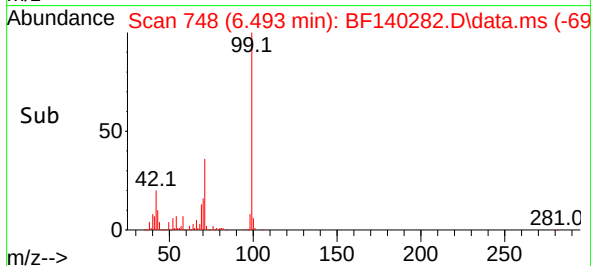
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024



Tgt Ion: 99 Resp: 148684
Ion Ratio Lower Upper
99 100
42 19.9 18.2 27.2
71 35.7 30.9 46.3

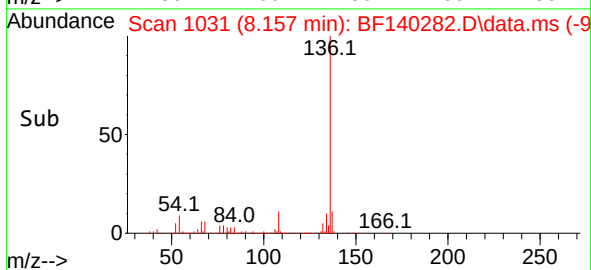
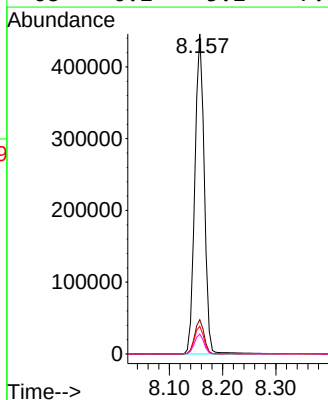
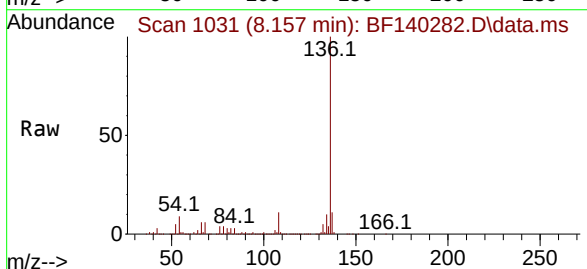
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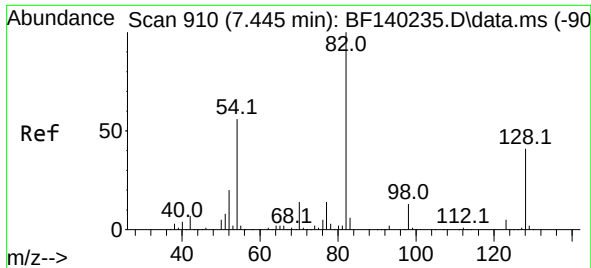
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:136 Resp: 550544
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 8.7 7.7 11.5
68 6.2 5.2 7.8





#23
Nitrobenzene-d5
Concen: 8.377 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

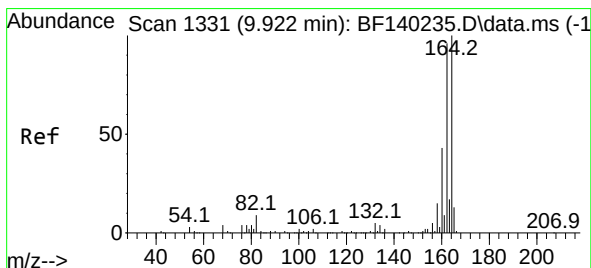
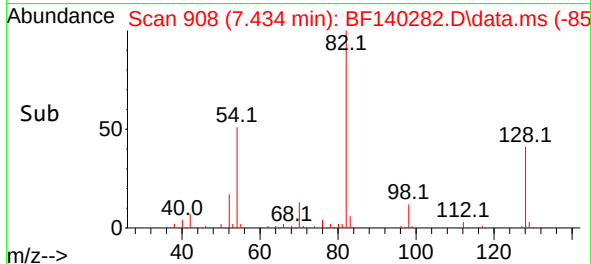
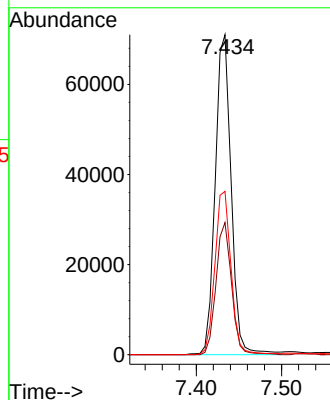
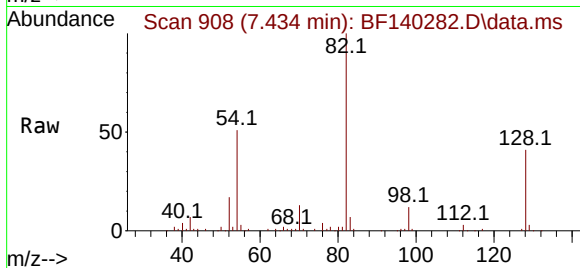
ClientSampleId :

EO-03-11062024

Tgt Ion: 82 Resp: 9276
Ion Ratio Lower Upper
82 100
128 41.3 32.8 49.2
54 51.1 44.3 66.5

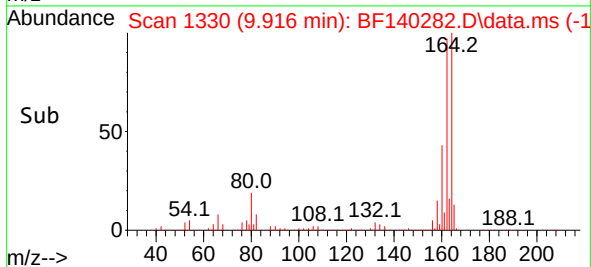
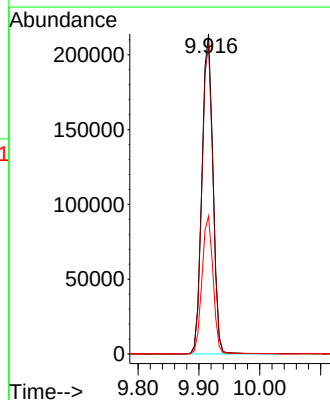
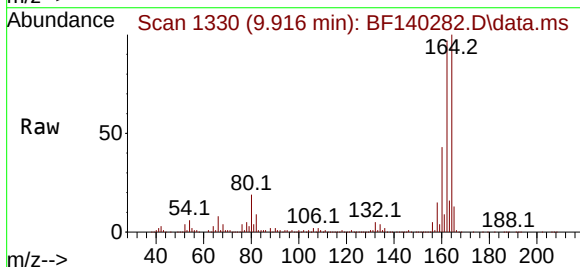
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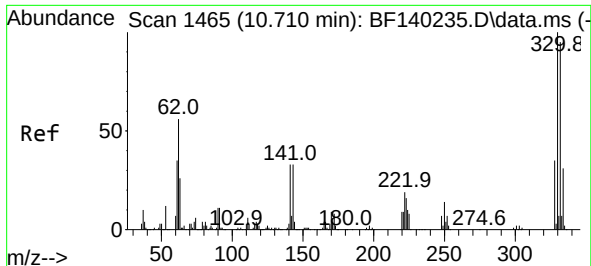
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:164 Resp: 269625
Ion Ratio Lower Upper
164 100
162 97.0 77.0 115.4
160 43.1 34.1 51.1





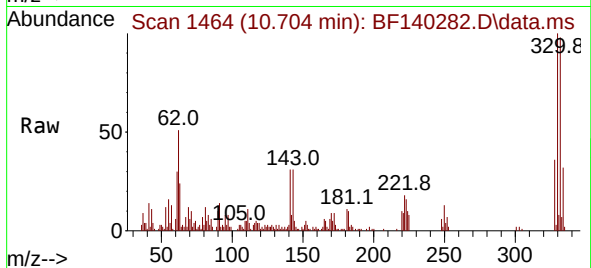
#42
2,4,6-Tribromophenol
Concen: 10.340 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

EO-03-11062024



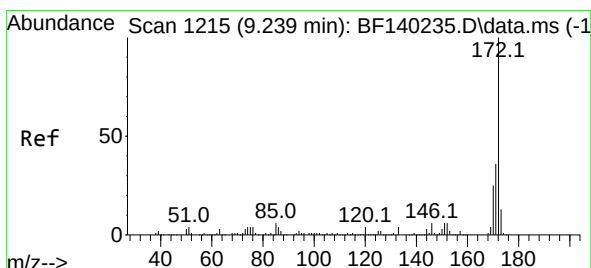
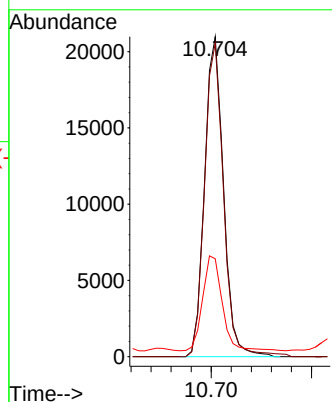
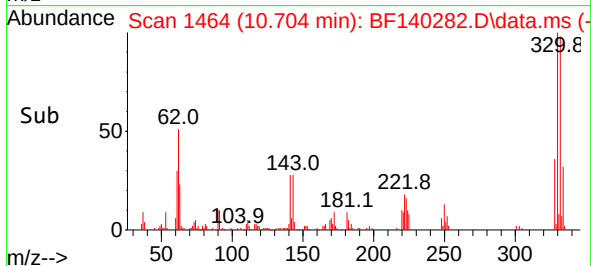
Tgt Ion:330 Resp: 27550
Ion Ratio Lower Upper
330 100
332 98.3 76.4 114.6
141 30.7 27.0 40.4

Manual Integrations

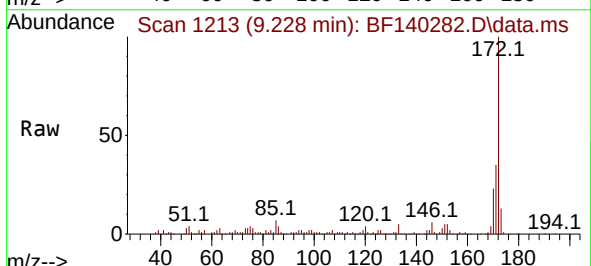
APPROVED

Reviewed By :Yogesh Patel 11/08/2024

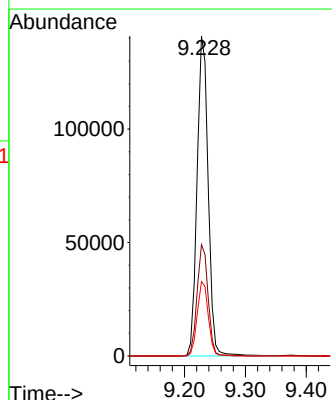
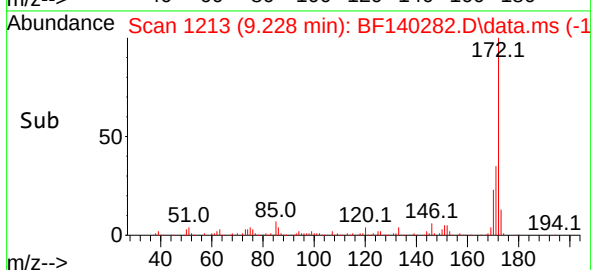
Supervised By :mohammad ahmed 11/11/2024

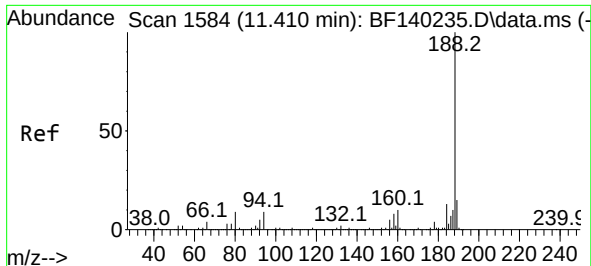


#45
2-Fluorobiphenyl
Concen: 10.603 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25



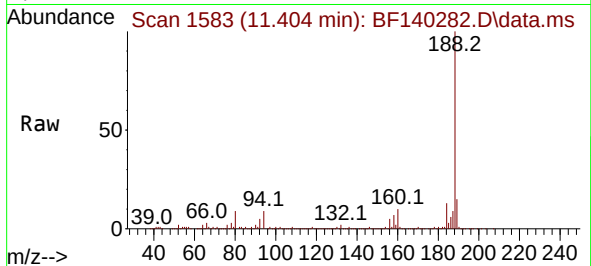
Tgt Ion:172 Resp: 179035
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.3 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

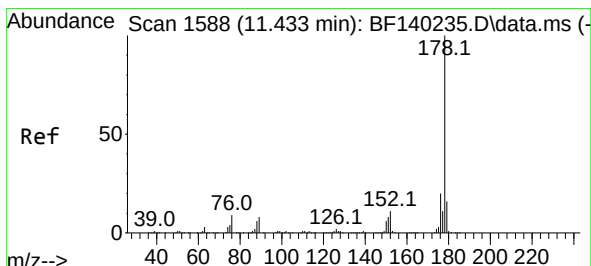
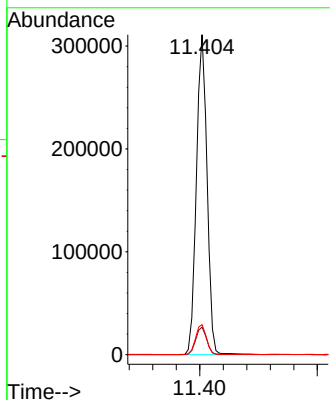
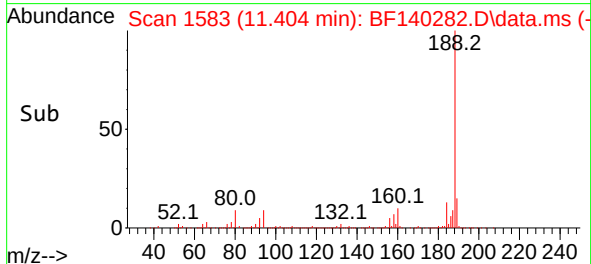
Instrument :
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ClientSampleId :
EO-03-11062024



Tgt Ion:188 Resp: 390808
Ion Ratio Lower Upper
188 100
94 8.6 6.9 10.3
80 9.4 7.5 11.3

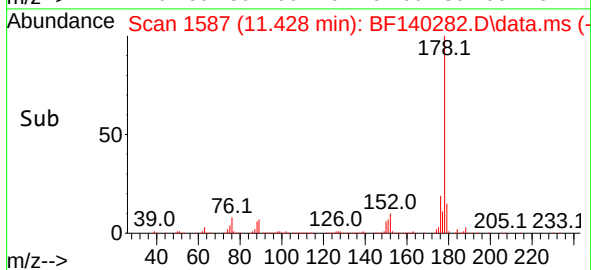
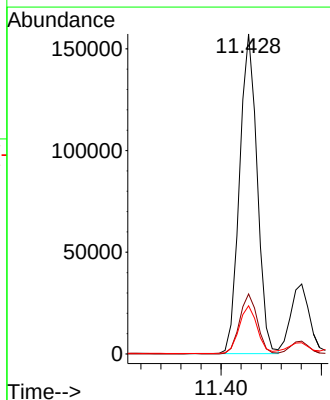
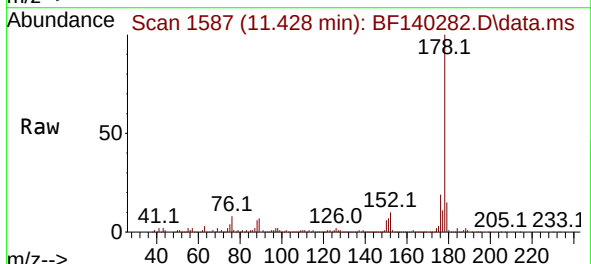
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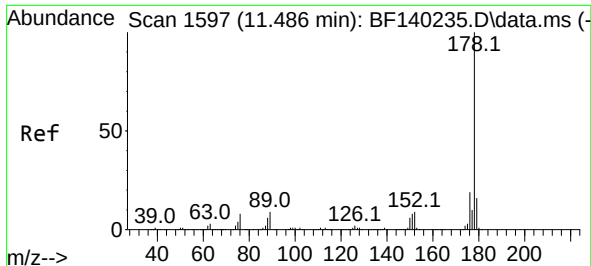
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#71
Phenanthrene
Concen: 10.305 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

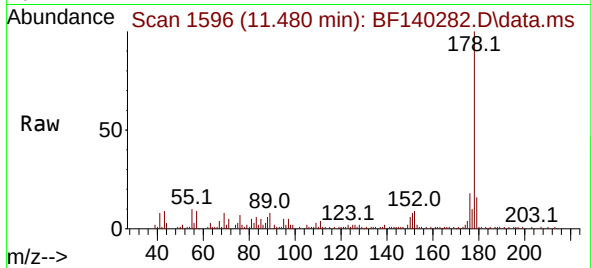
Tgt Ion:178 Resp: 192199
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.0 12.6 18.8





#72
 Anthracene
 Concen: 2.432 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.006 min
 Lab File: BF140282.D
 Acq: 07 Nov 2024 18:25

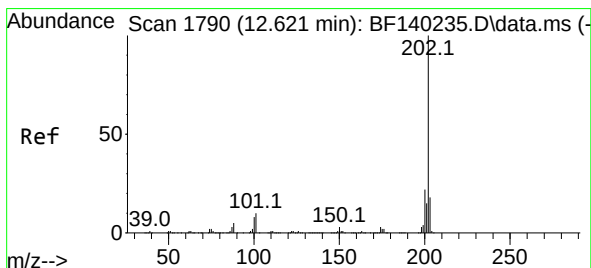
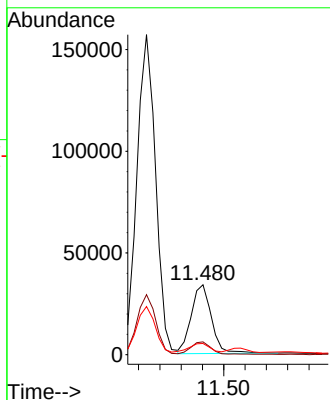
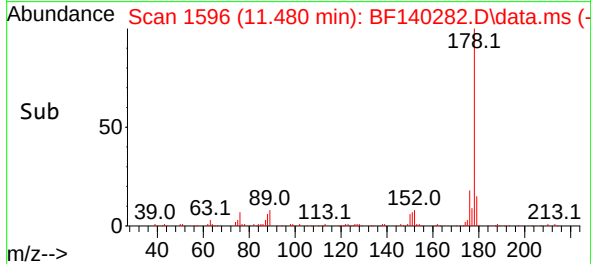
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-11062024



Tgt Ion:178 Resp: 44472
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.9 12.7 19.1

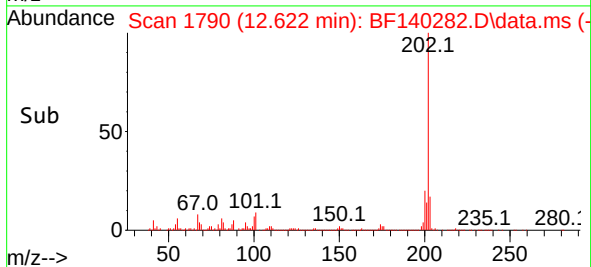
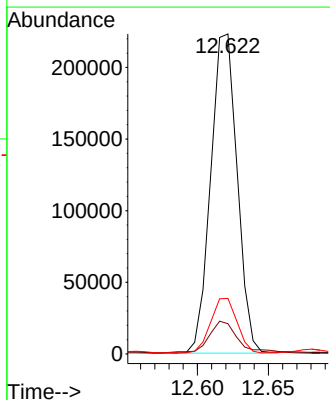
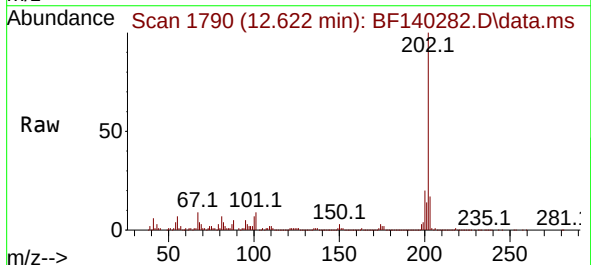
Manual Integrations
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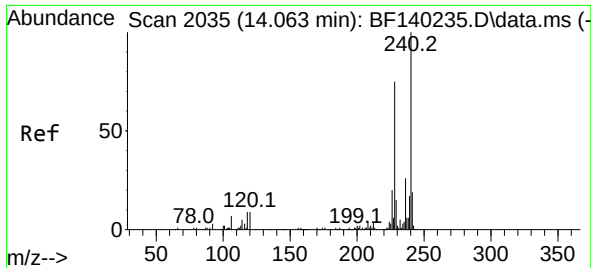
Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024



#75
 Fluoranthene
 Concen: 14.834 ng
 RT: 12.622 min Scan# 1790
 Delta R.T. 0.000 min
 Lab File: BF140282.D
 Acq: 07 Nov 2024 18:25

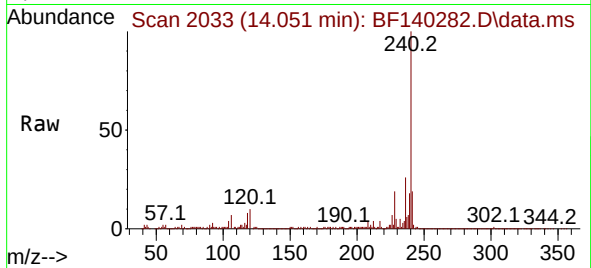
Tgt Ion:202 Resp: 289294
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 30.4
 203 17.3 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

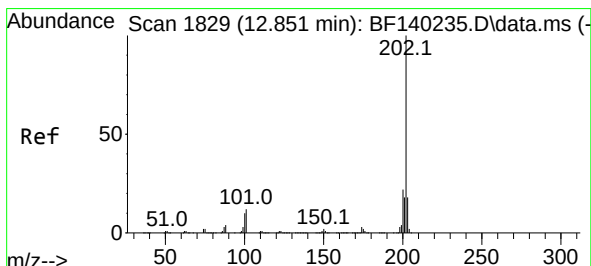
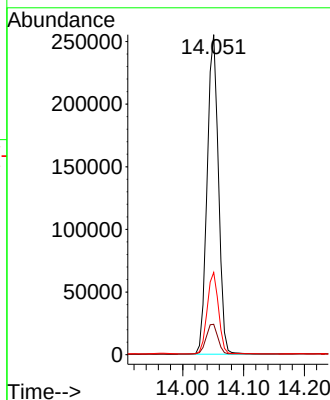
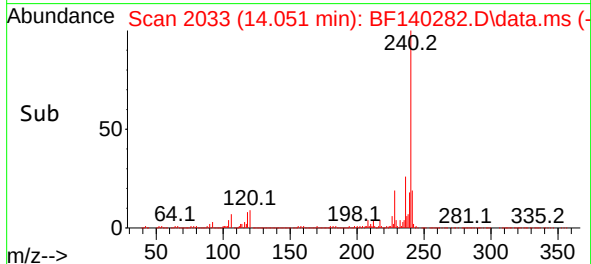
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024



Tgt Ion:240 Resp: 328768
Ion Ratio Lower Upper
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120 9.5 7.5 11.3
236 25.7 20.9 31.3

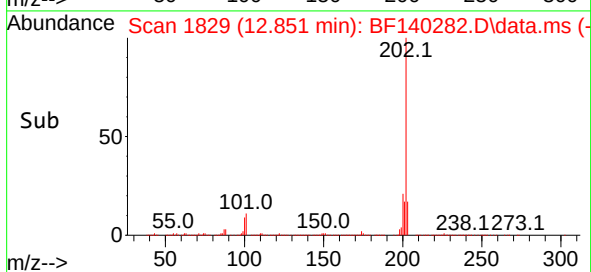
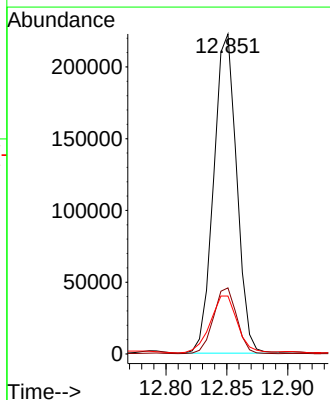
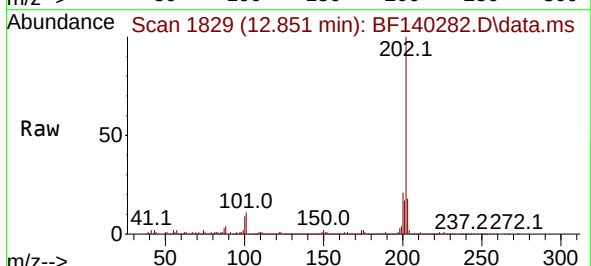
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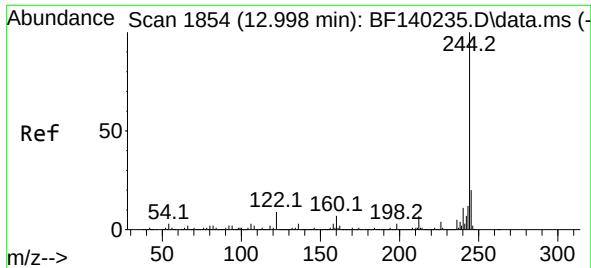
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#78
Pyrene
Concen: 10.785 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

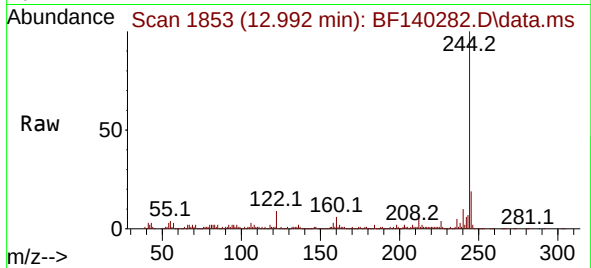
Tgt Ion:202 Resp: 292770
Ion Ratio Lower Upper
202 100
200 20.6 17.5 26.3
203 18.1 14.4 21.6





#79
Terphenyl-d14
Concen: 7.892 ng
RT: 12.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

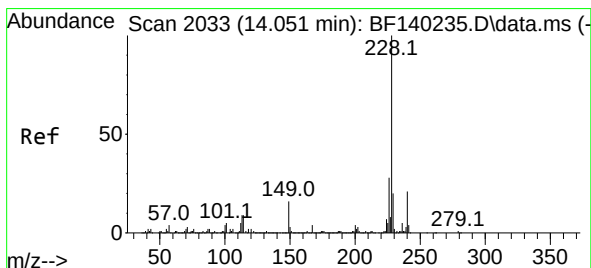
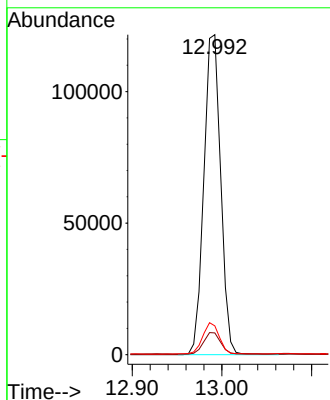
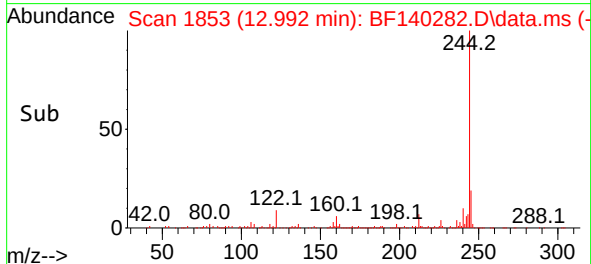
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024



Tgt Ion:244 Resp: 158392
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 9.0 7.6 11.4

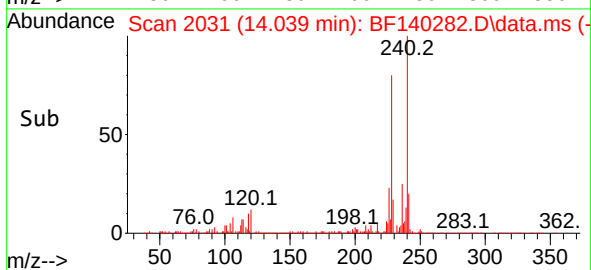
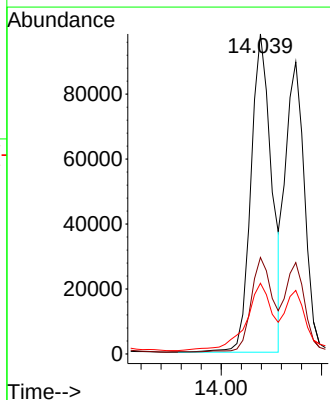
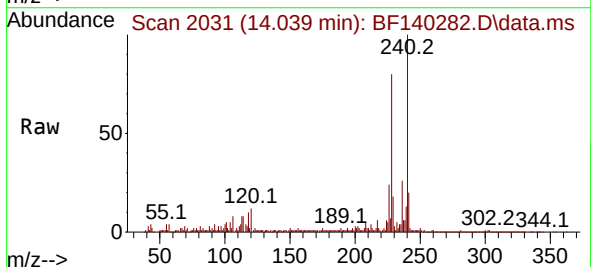
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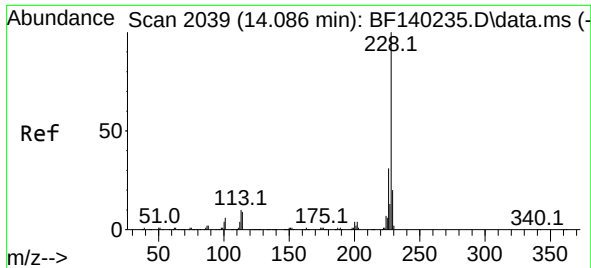
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#81
Benzo(a)anthracene
Concen: 6.686 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

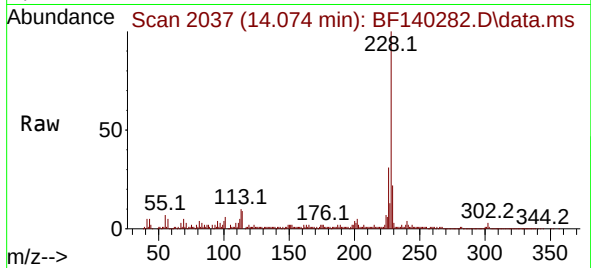
Tgt Ion:228 Resp: 141076
Ion Ratio Lower Upper
228 100
226 30.2 22.3 33.5
229 22.1 16.1 24.1





#83
Chrysene
Concen: 5.938 ng
RT: 14.074 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

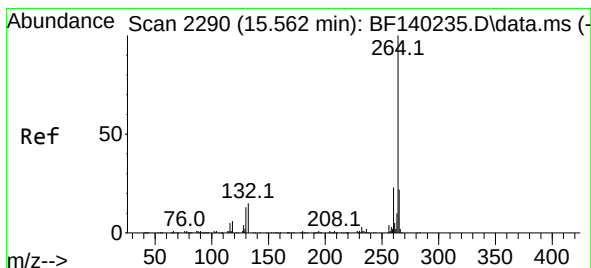
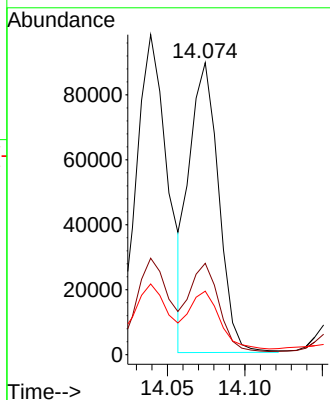
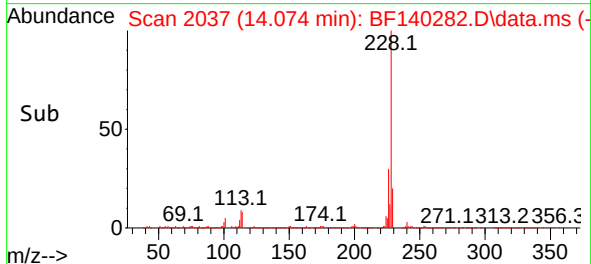
Instrument :
BNA_F
ClientSampleId :
EO-03-11062024



Tgt Ion:228 Resp: 11732
Ion Ratio Lower Upper
228 100
226 31.3 24.6 36.8
229 21.7 16.1 24.1

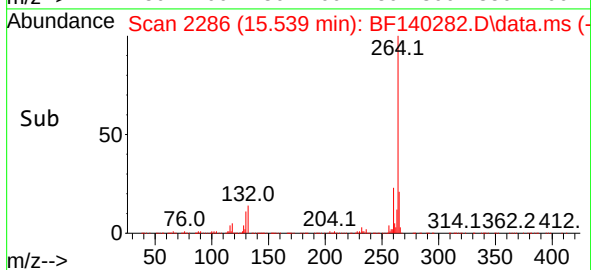
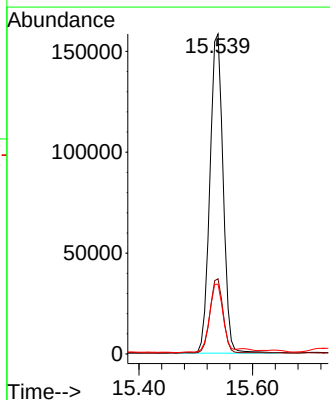
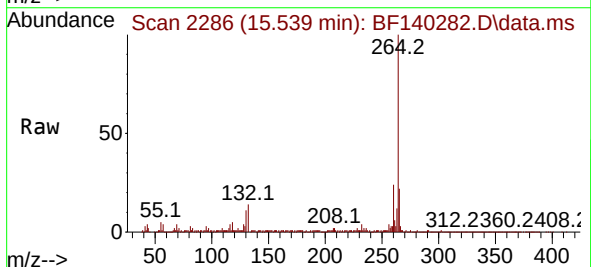
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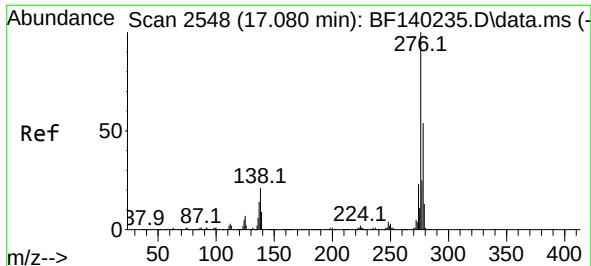
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.023 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:264 Resp: 254474
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 21.8 17.3 25.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.093 ng
RT: 17.033 min Scan# 211
Delta R.T. -0.047 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

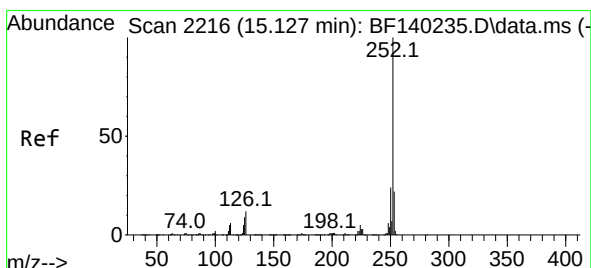
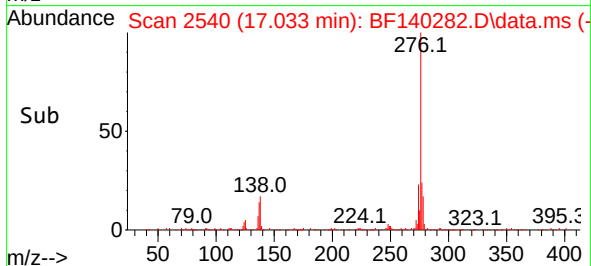
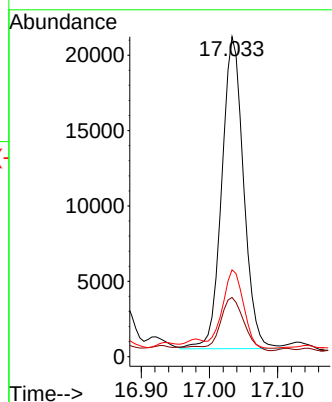
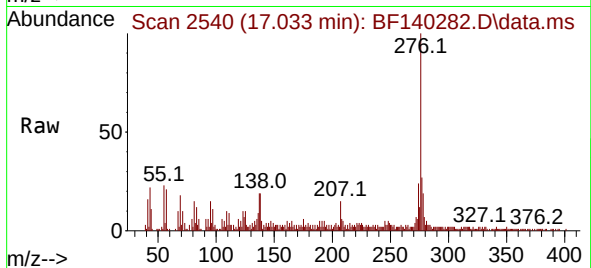
ClientSampleId :

EO-03-11062024

Tgt Ion:276 Resp: 46204
Ion Ratio Lower Upper
276 100
138 18.1 17.6 26.4
277 24.2 20.2 30.2

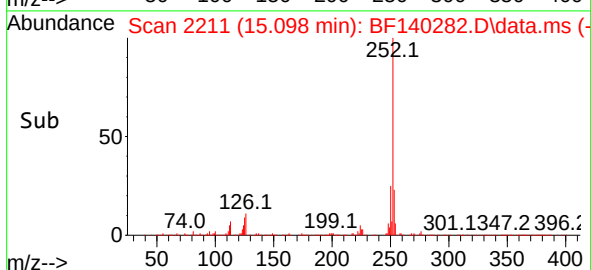
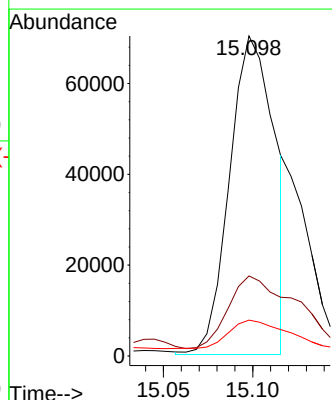
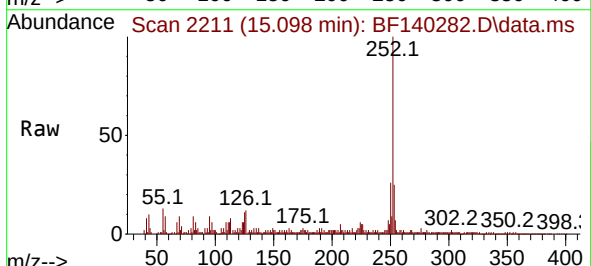
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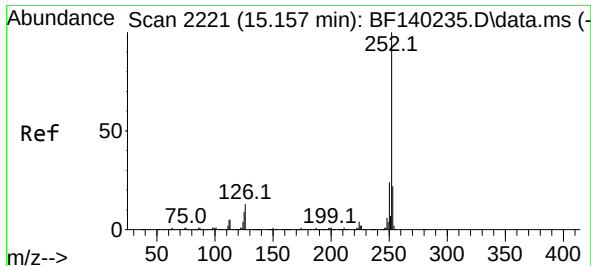
Reviewed By :Yogesh Patel 11/08/2024
Supervised By :mohammad ahmed 11/11/2024



#88
Benzo(b)fluoranthene
Concen: 7.987 ng m
RT: 15.098 min Scan# 2211
Delta R.T. -0.029 min
Lab File: BF140282.D
Acq: 07 Nov 2024 18:25

Tgt Ion:252 Resp: 122948
Ion Ratio Lower Upper
252 100
253 25.0 17.9 26.9
125 11.2 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 2.890 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

Instrument :

BNA_F

ClientSampleId :

EO-03-11062024

Tgt Ion:252 Resp: 40814

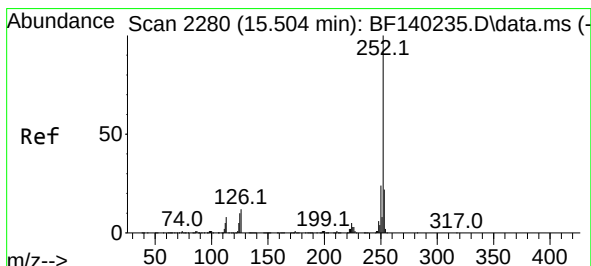
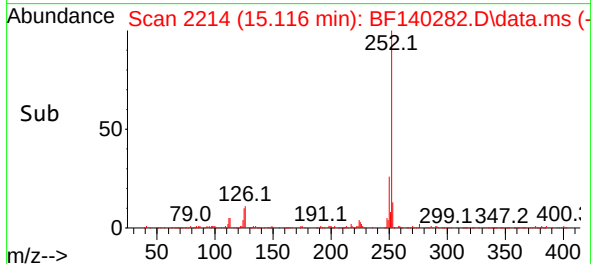
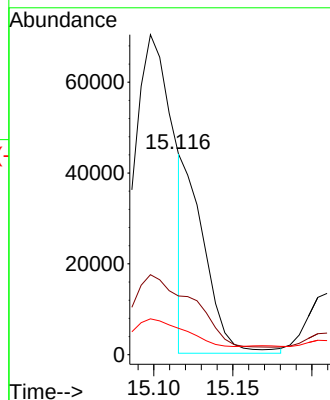
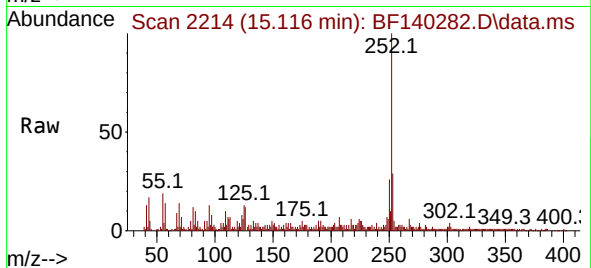
Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.8	26.8
125	13.1	7.2	10.8

Manual Integrations

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Reviewed By :Yogesh Patel 11/08/2024

Supervised By :mohammad ahmed 11/11/2024



#90

Benzo(a)pyrene

Concen: 6.588 ng

RT: 15.468 min Scan# 2274

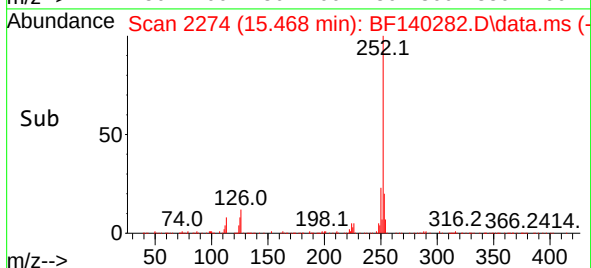
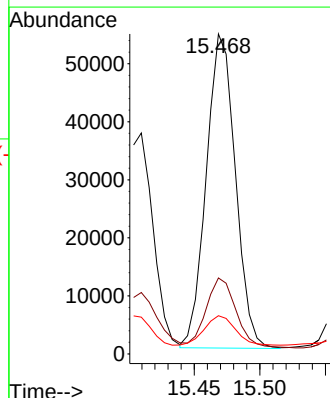
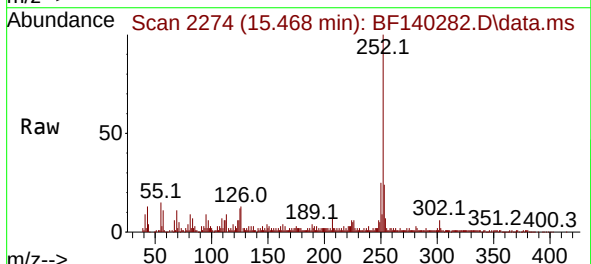
Delta R.T. -0.035 min

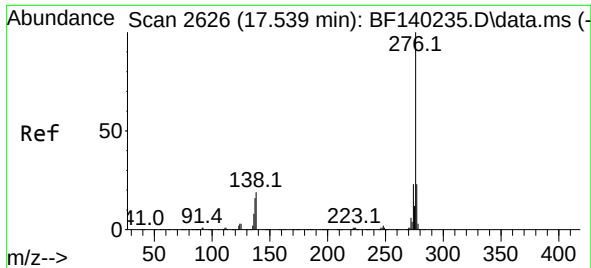
Lab File: BF140282.D

Acq: 07 Nov 2024 18:25

Tgt Ion:252 Resp: 83606

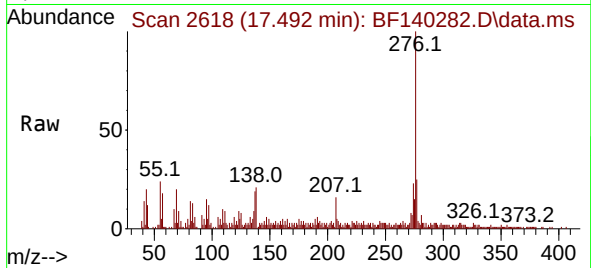
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	12.0	7.6	11.4





#92
 Benzo(g,h,i)perylene
 Concen: 3.678 ng
 RT: 17.492 min Scan# 20
 Delta R.T. -0.047 min
 Lab File: BF140282.D
 Acq: 07 Nov 2024 18:25

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-11062024



Tgt Ion:276	Resp:	46104
Ion Ratio	Lower	Upper
276	100	
277	25.4	18.8 28.2
138	21.2	15.3 22.9

Manual Integrations
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Reviewed By :Yogesh Patel 11/08/2024
 Supervised By :mohammad ahmed 11/11/2024

