

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
 Data File : BF140097.D
 Acq On : 28 Oct 2024 19:55
 Operator : RC/JU
 Sample : P4566-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/30/2024

Quant Time: Oct 29 00:55:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	107808	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	365780	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	165505	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	280135	20.000	ng	0.00
76) Chrysene-d12	14.051	240	196985	20.000	ng	0.00
86) Perylene-d12	15.527	264	157680	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	116367	16.898	ng	0.00
7) Phenol-d6	6.498	99	139236	15.611	ng	-0.01
23) Nitrobenzene-d5	7.445	82	86572	13.118	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	25795	16.663	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	166173	16.594	ng	-0.01
79) Terphenyl-d14	12.992	244	169689	14.037	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.786	152	27313	2.036	ng	98
71) Phenanthrene	11.433	178	72805	5.502	ng	98
72) Anthracene	11.486	178	28108	2.177	ng	99
75) Fluoranthene	12.621	202	272081	20.340	ng	99
78) Pyrene	12.851	202	264736	15.354	ng	99
81) Benzo(a)anthracene	14.039	228	154018	12.011	ng	95
83) Chrysene	14.074	228	119728	10.183	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	61546	6.067	ng	# 92
88) Benzo(b)fluoranthene	15.098	252	146312m	15.233	ng	
89) Benzo(k)fluoranthene	15.109	252	62014m	7.486	ng	
90) Benzo(a)pyrene	15.462	252	108306	13.704	ng	# 94
92) Benzo(g,h,i)perylene	17.474	276	61434	7.268	ng	97

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

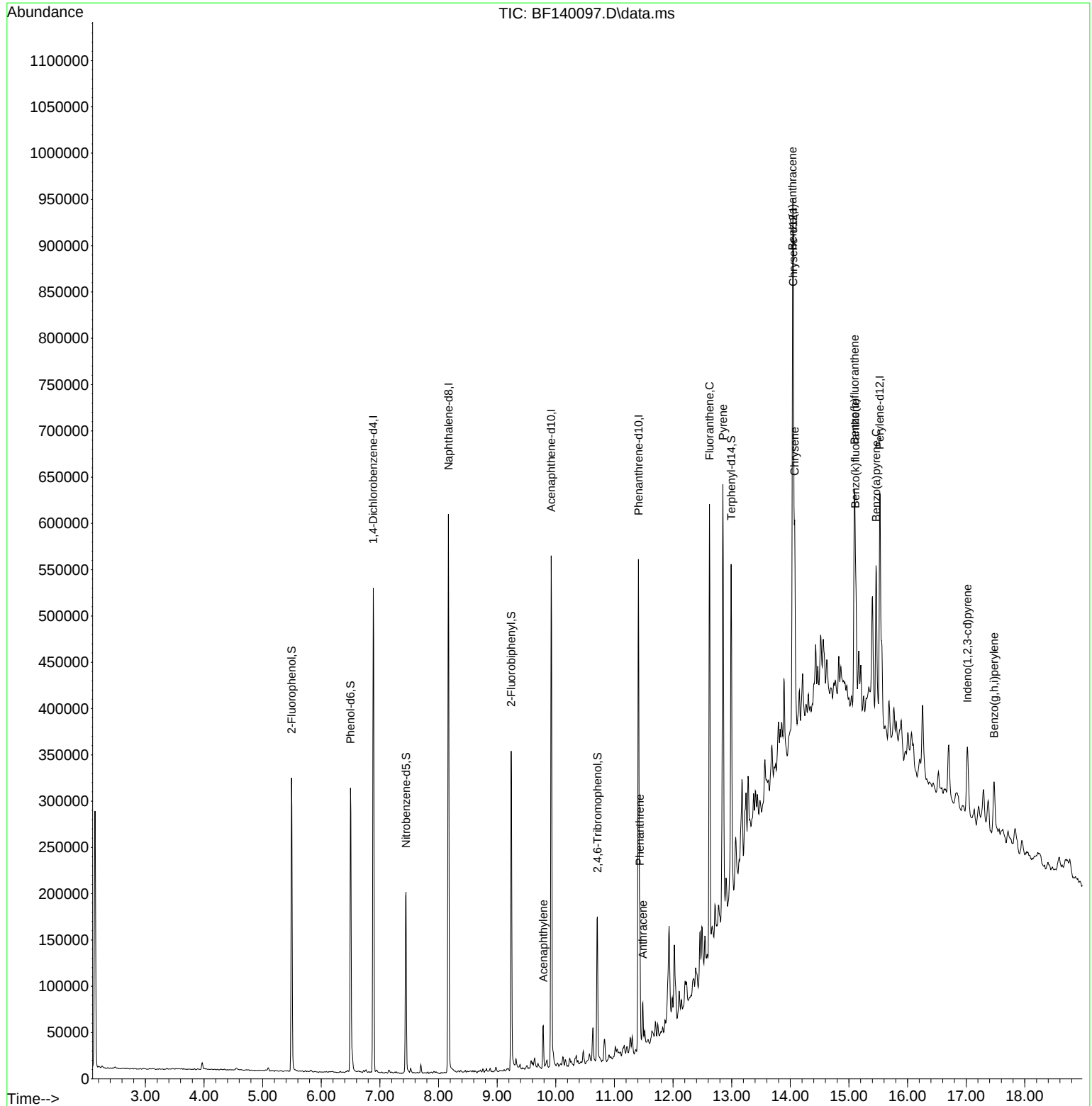
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102824\
Data File : BF140097.D
Acq On : 28 Oct 2024 19:55
Operator : RC/JU
Sample : P4566-01 5X
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ALS Vial : 24 Sample Multiplier: 1

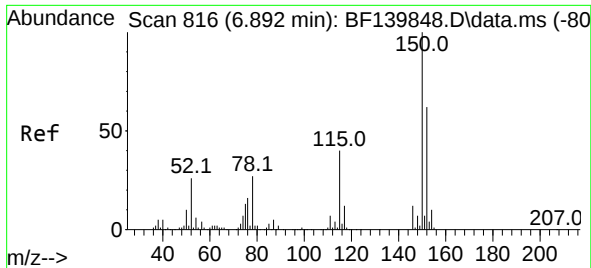
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Quant Time: Oct 29 00:55:41 2024
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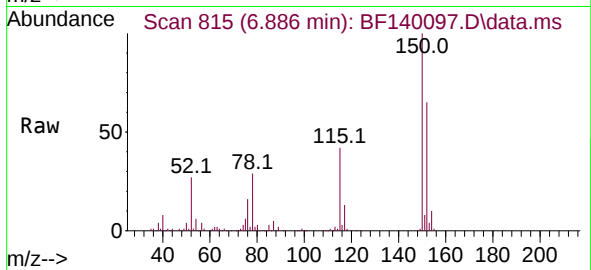
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

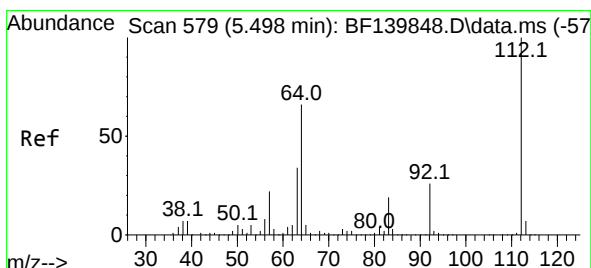
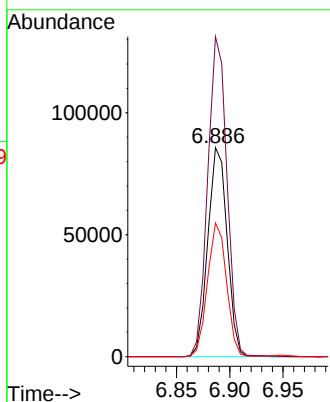
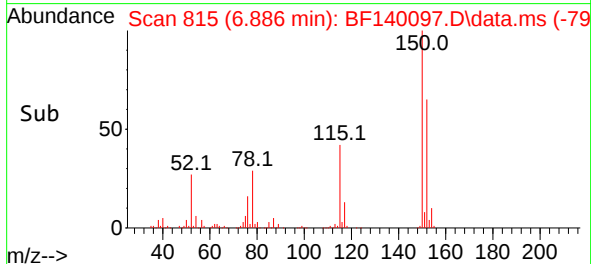
Instrument :
BNA_F
ClientSampleId :
HD-01-102524



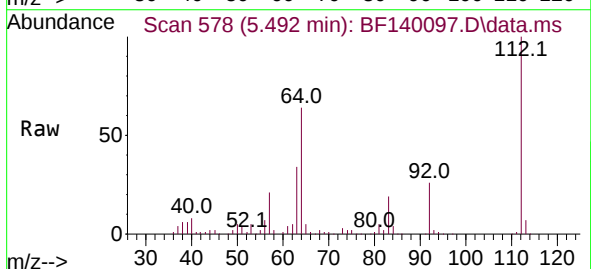
Tgt Ion:152 Resp: 107808
Ion Ratio Lower Upper
152 100
150 153.1 130.2 195.2
115 63.9 51.4 77.2

Manual Integrations
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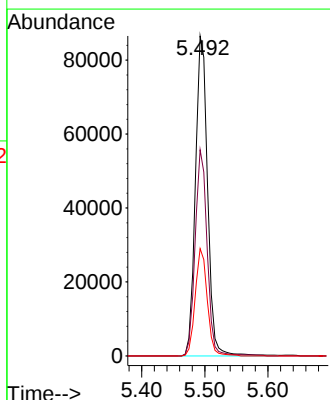
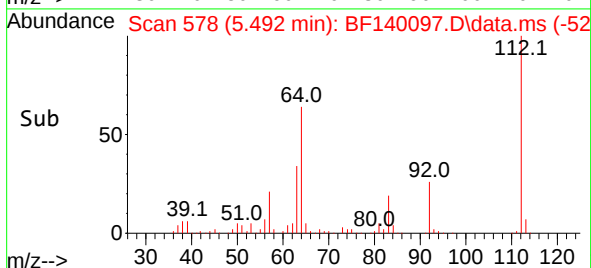
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024

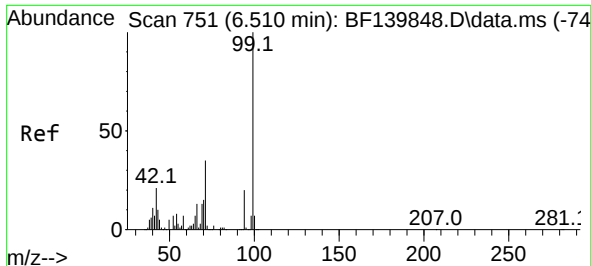


#5
2-Fluorophenol
Concen: 16.898 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55



Tgt Ion:112 Resp: 116367
Ion Ratio Lower Upper
112 100
64 64.4 53.0 79.6
63 33.5 27.0 40.4





#7

Phenol-d6

Concen: 15.611 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF140097.D

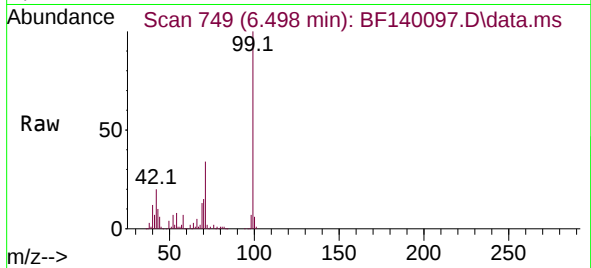
Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524



Tgt Ion: 99 Resp: 139236

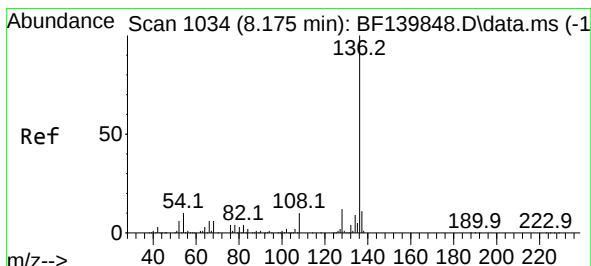
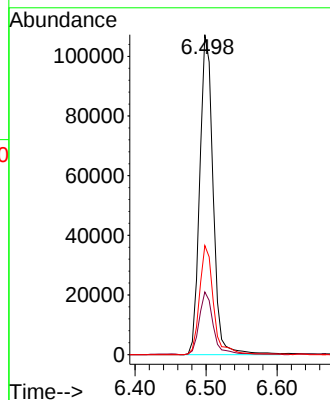
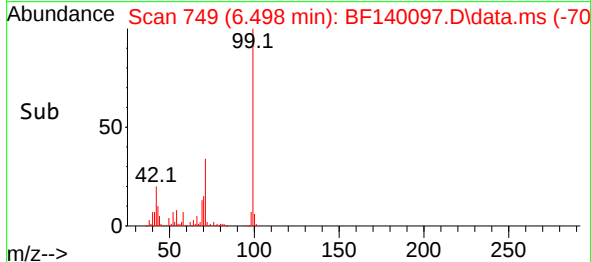
Ion	Ratio	Lower	Upper
99	100		
42	19.6	16.7	25.1
71	34.1	27.7	41.5

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

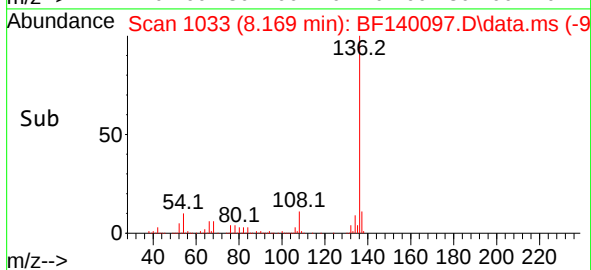
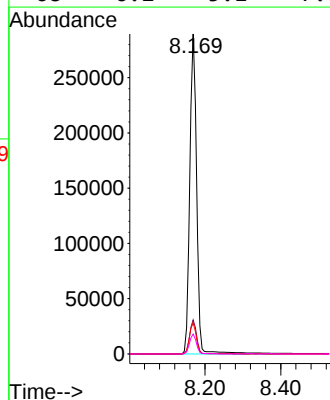
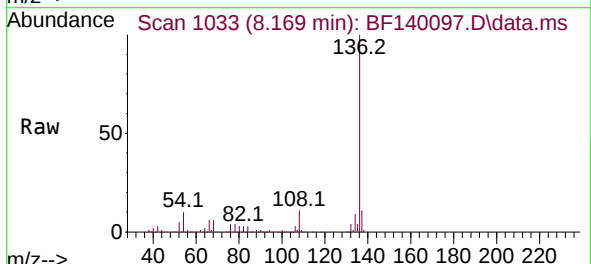
Delta R.T. -0.006 min

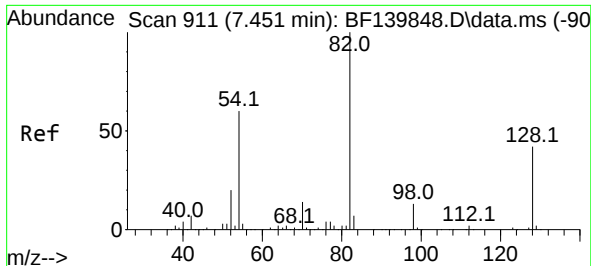
Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Tgt Ion:136 Resp: 365780

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	12.8
54	9.6	8.4	12.6
68	6.2	5.1	7.7





#23

Nitrobenzene-d5

Concen: 13.118 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

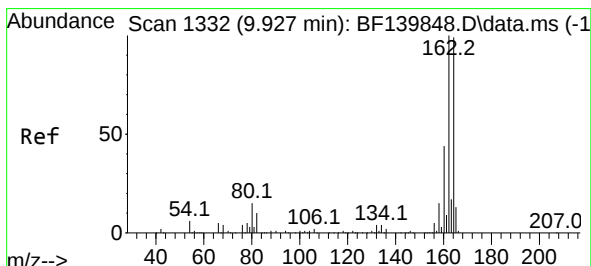
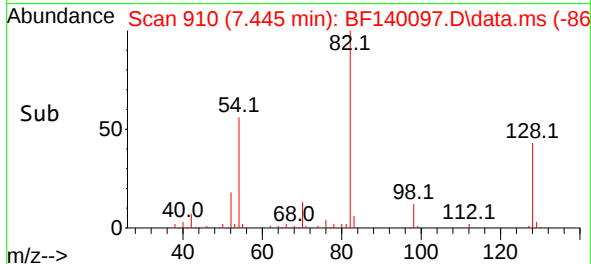
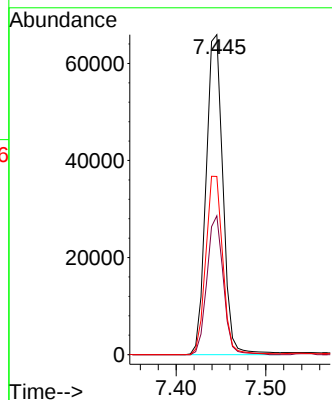
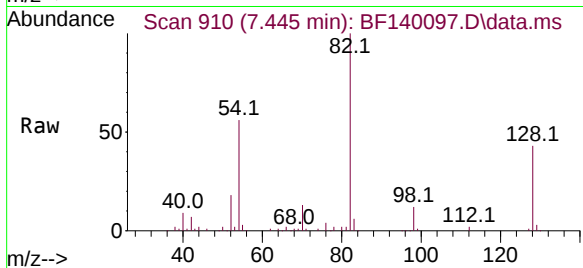
Tgt Ion: 82	Resp: 86572
Ion Ratio	Lower Upper
82	100
128	43.4 33.4 50.0
54	55.7 47.8 71.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

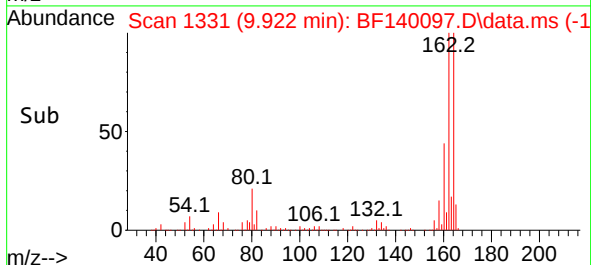
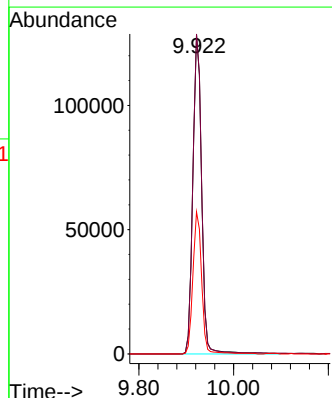
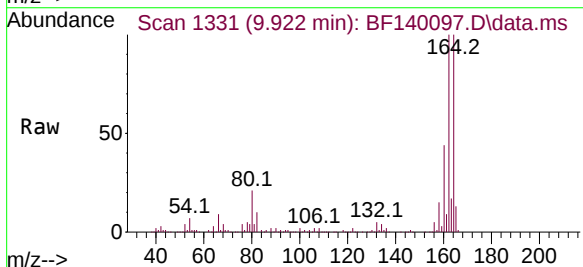
RT: 9.922 min Scan# 1331

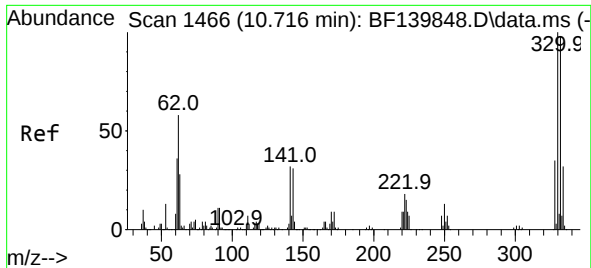
Delta R.T. -0.005 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Tgt Ion:164	Resp: 165505
Ion Ratio	Lower Upper
164	100
162	100.2 81.0 121.4
160	44.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 16.663 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

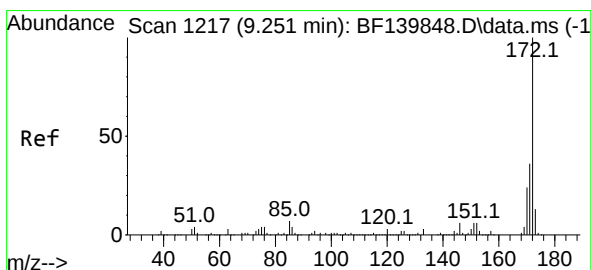
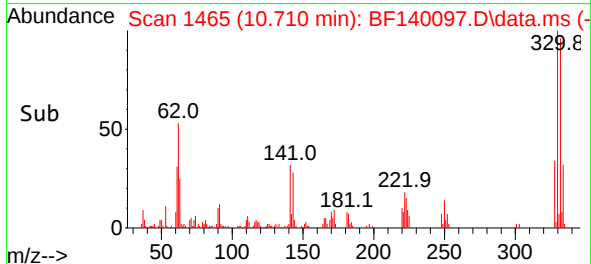
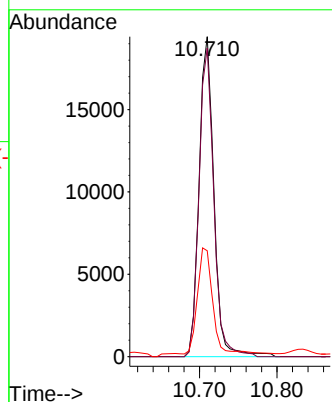
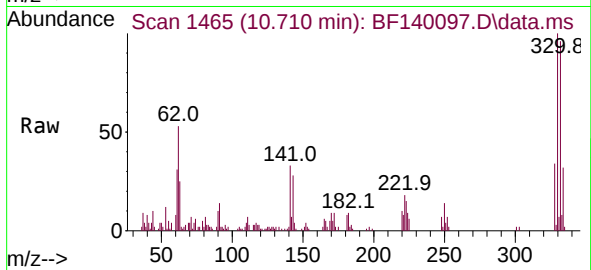
HD-01-102524

Tgt Ion:330 Resp: 25795
Ion Ratio Lower Upper
330 100
332 95.9 78.1 117.1
141 35.7 26.6 39.8

Manual Integrations

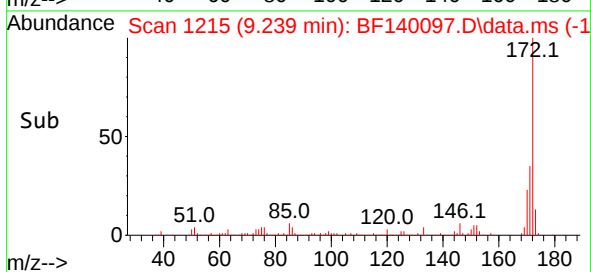
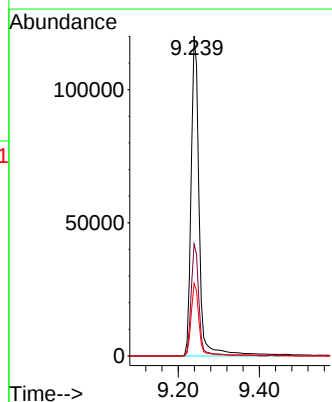
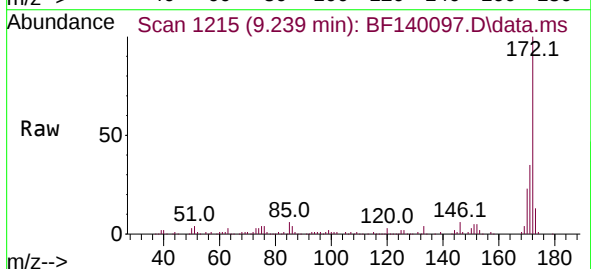
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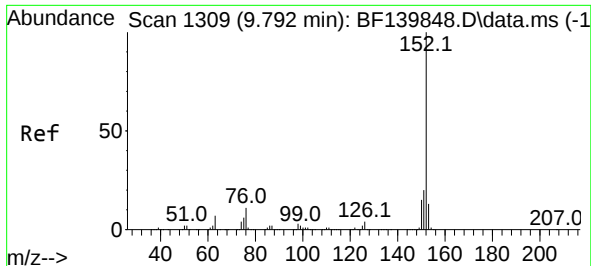
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#45
2-Fluorobiphenyl
Concen: 16.594 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:172 Resp: 166173
Ion Ratio Lower Upper
172 100
171 35.0 28.6 43.0
170 22.6 19.1 28.7





#49
Acenaphthylene
Concen: 2.036 ng
RT: 9.786 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

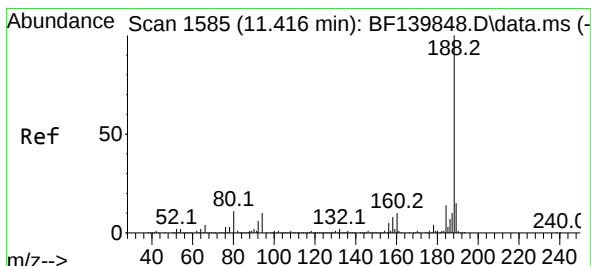
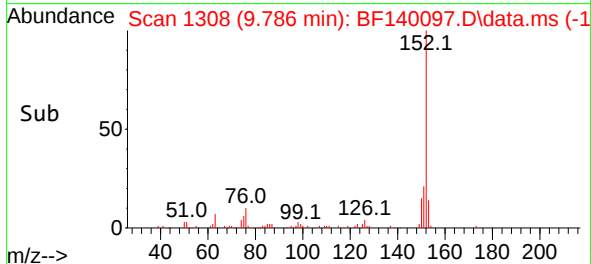
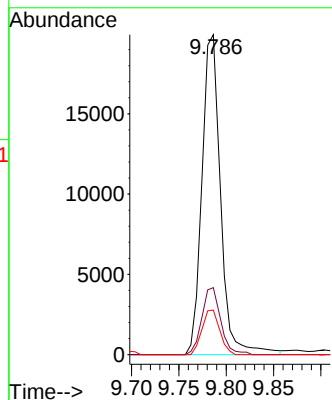
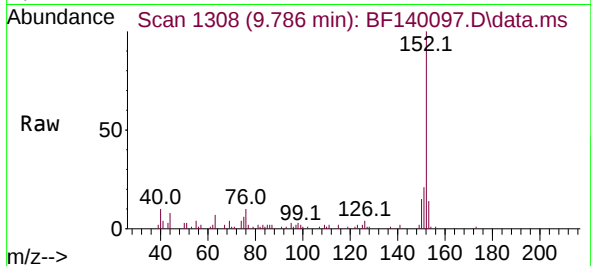
ClientSampleId :

HD-01-102524

Tgt Ion:152 Resp: 27313
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 13.9 10.7 16.1

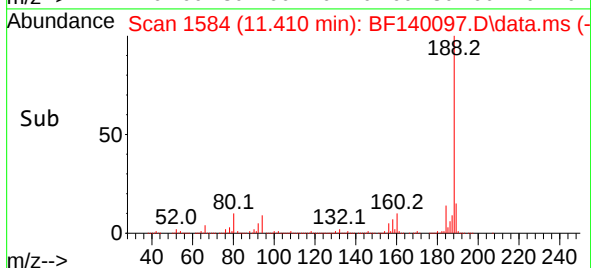
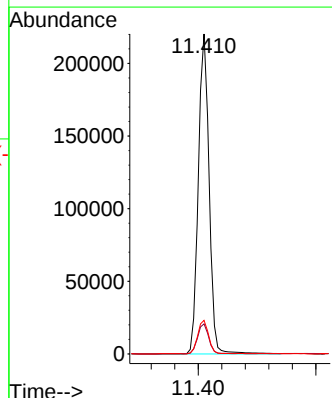
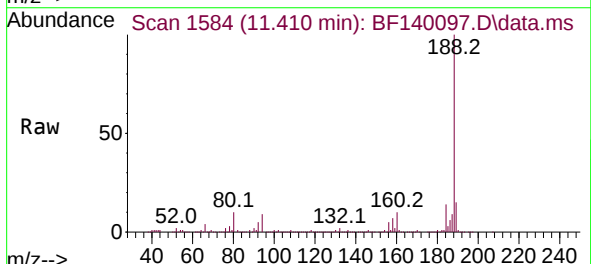
Manual Integrations
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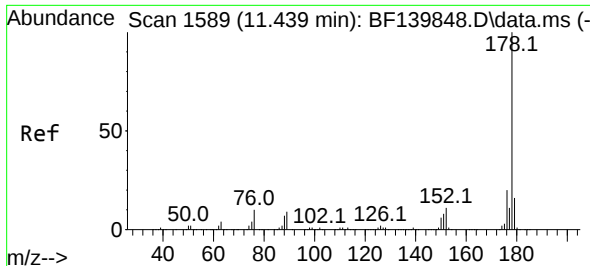
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:188 Resp: 280135
Ion Ratio Lower Upper
188 100
94 9.4 7.9 11.9
80 10.5 9.0 13.4





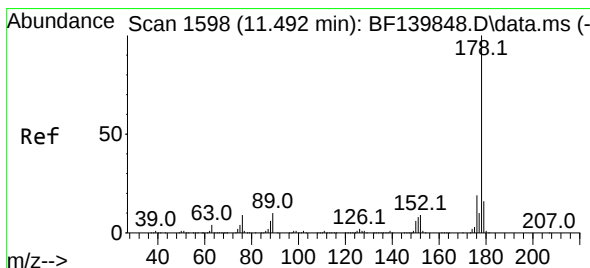
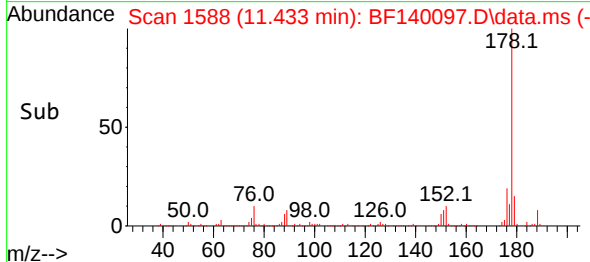
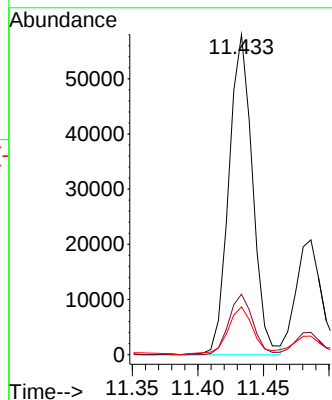
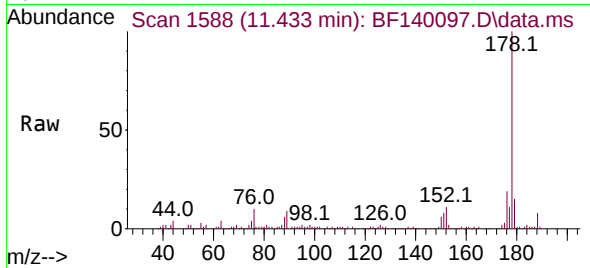
#71
Phenanthrene
Concen: 5.502 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-102524

Tgt Ion:178 Resp: 72805
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.6
179 14.9 12.6 18.8

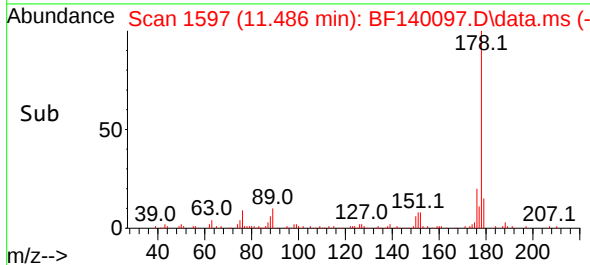
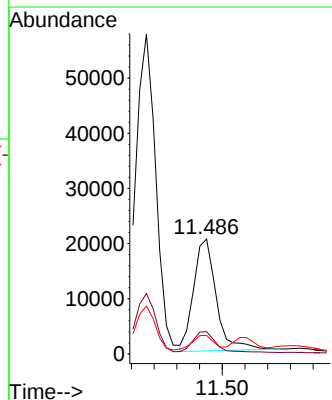
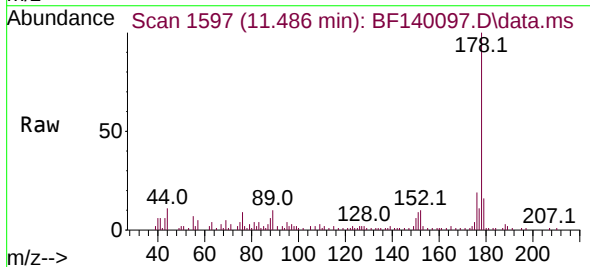
Manual Integrations
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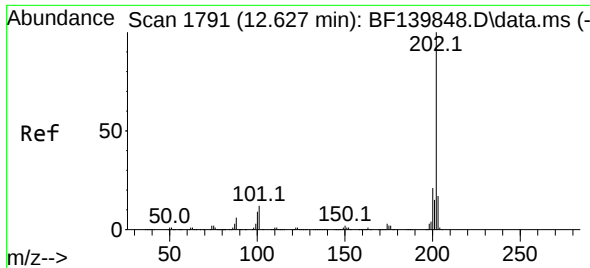
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#72
Anthracene
Concen: 2.177 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:178 Resp: 28108
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.0 12.4 18.6





#75
Fluoranthene
Concen: 20.340 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

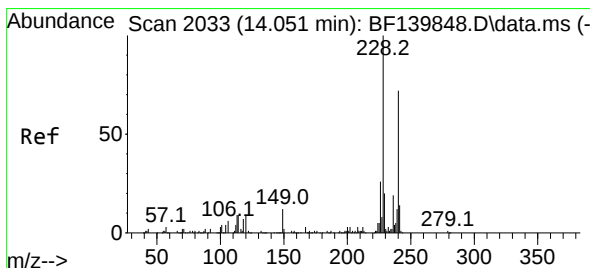
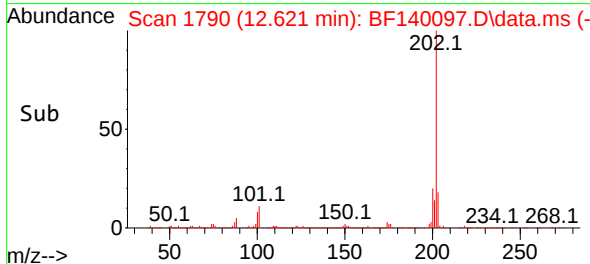
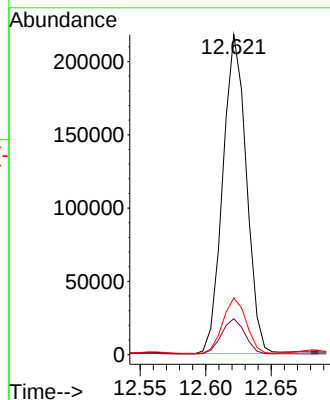
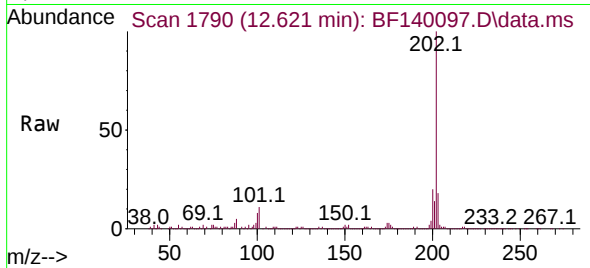
HD-01-102524

Tgt Ion:202 Resp: 272083
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 17.7 0.0 37.5

Manual Integrations

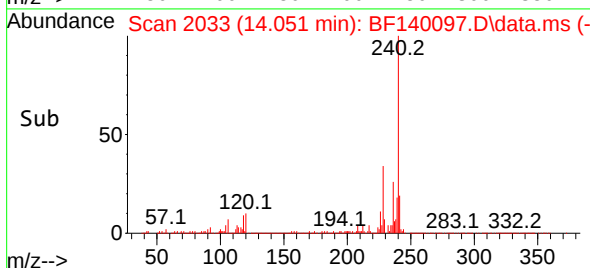
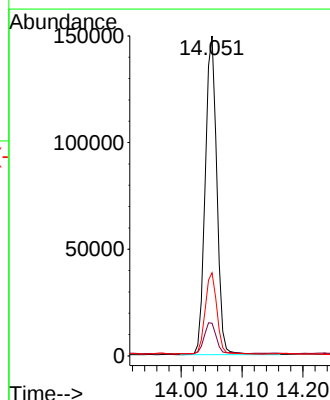
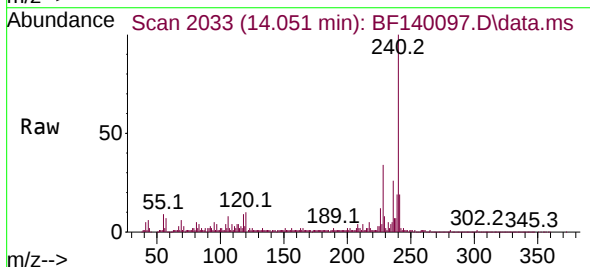
APPROVED

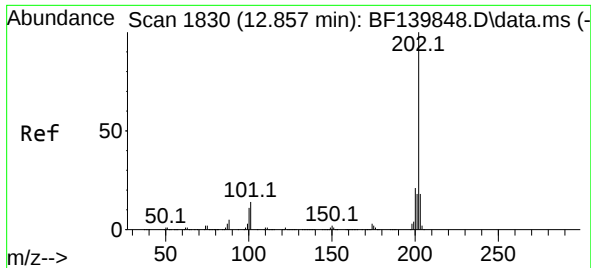
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:240 Resp: 196985
Ion Ratio Lower Upper
240 100
120 10.2 9.4 14.2
236 26.0 20.9 31.3





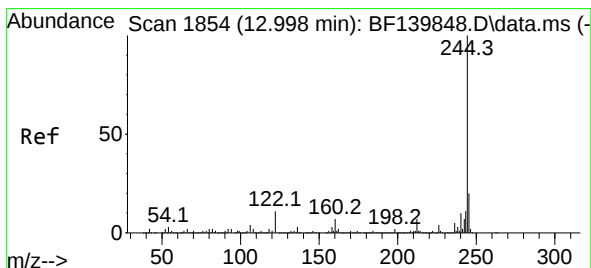
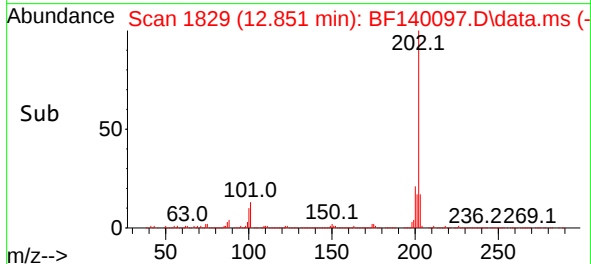
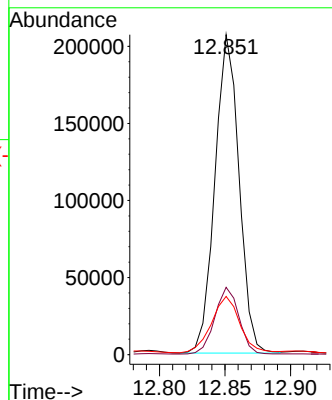
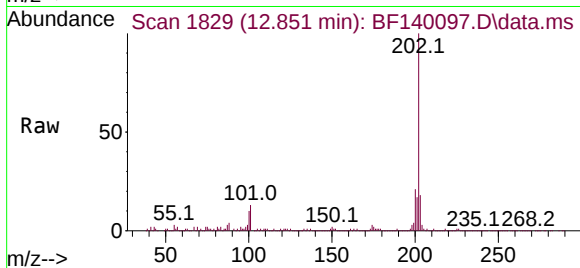
#78
Pyrene
Concen: 15.354 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-102524

Tgt Ion:202 Resp: 264736
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 18.2 14.2 21.4

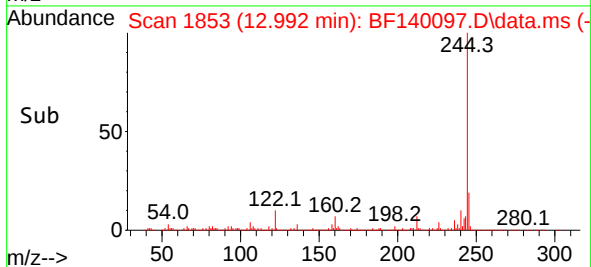
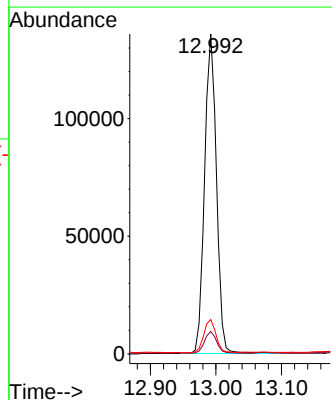
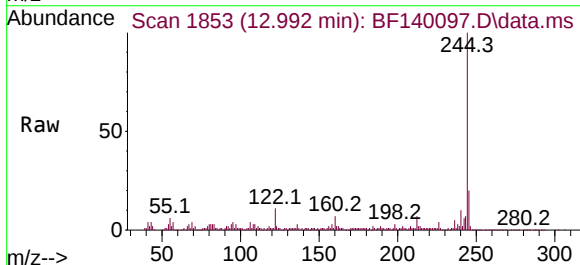
Manual Integrations
APPROVED

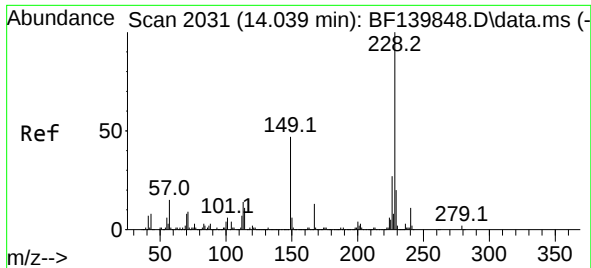
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#79
Terphenyl-d14
Concen: 14.037 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:244 Resp: 169689
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.7 8.6 13.0





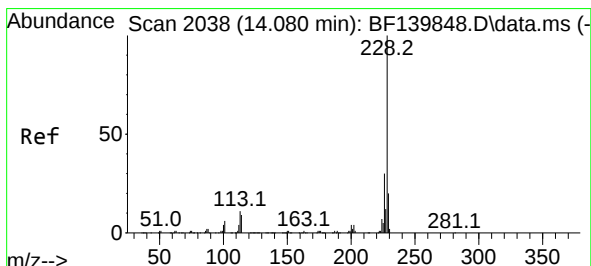
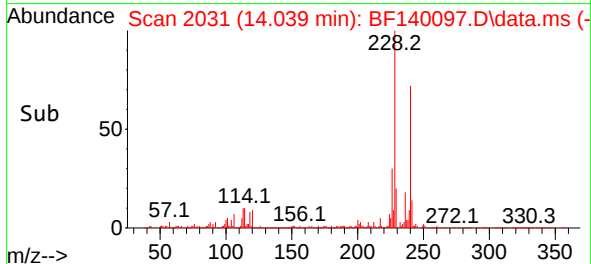
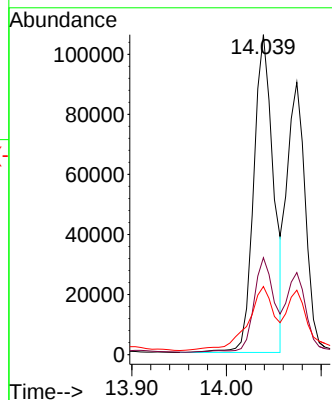
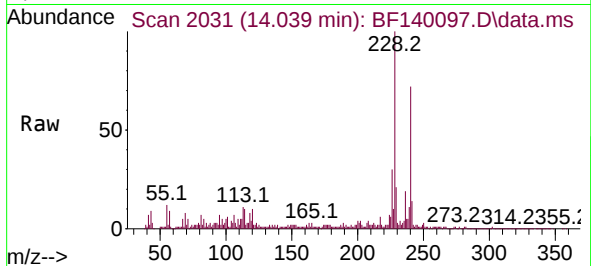
#81
Benzo(a)anthracene
Concen: 12.011 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-102524

Tgt Ion:228 Resp: 154018
Ion Ratio Lower Upper
228 100
226 30.3 21.6 32.4
229 21.3 16.1 24.1

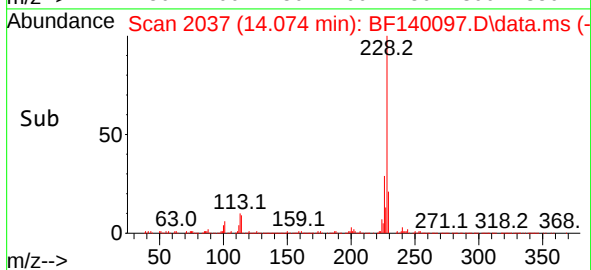
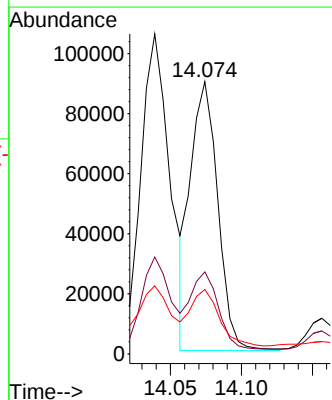
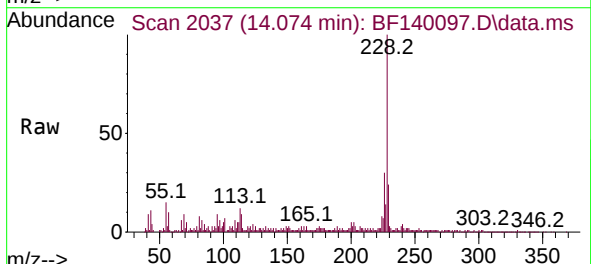
Manual Integrations
APPROVED

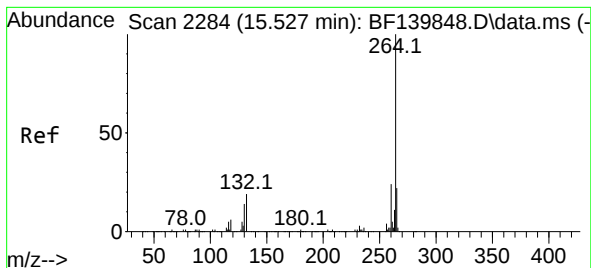
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#83
Chrysene
Concen: 10.183 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:228 Resp: 119728
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 23.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

Instrument :

BNA_F

ClientSampleId :

HD-01-102524

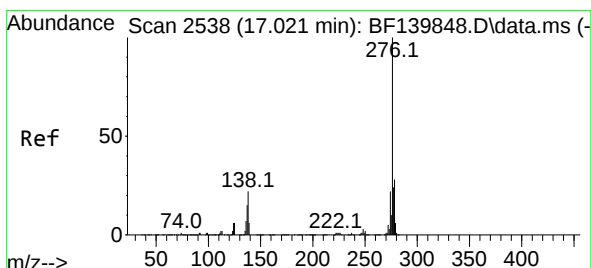
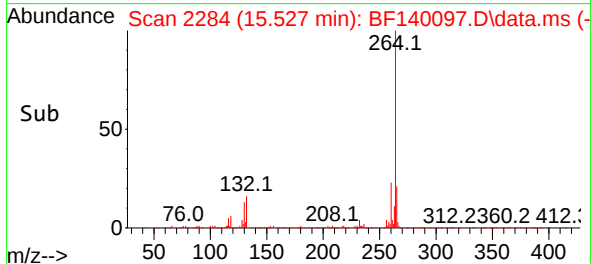
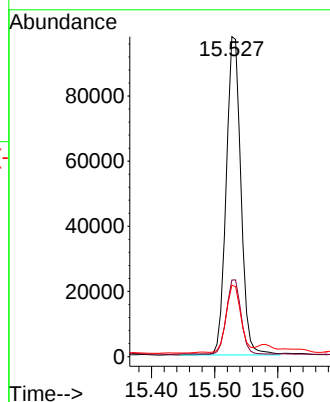
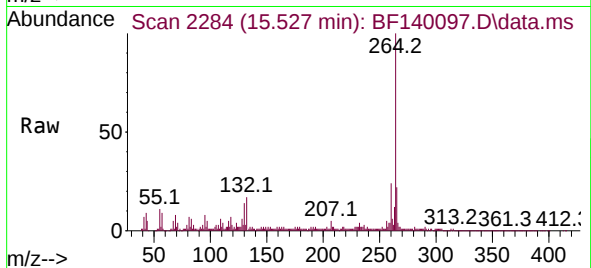
Tgt Ion:	264	Resp:	157680
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.4	29.2
265	22.4	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/30/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.067 ng

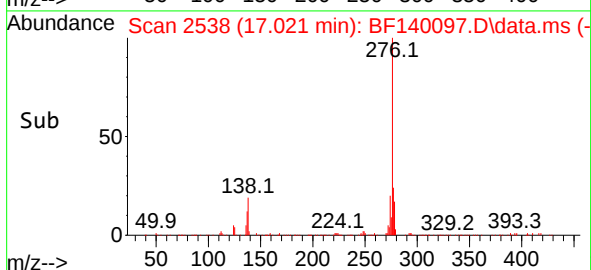
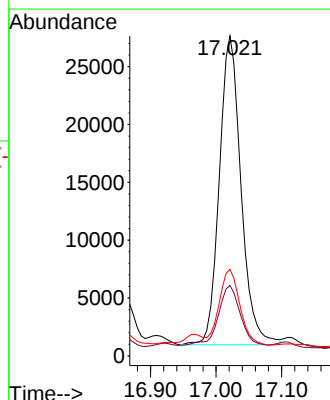
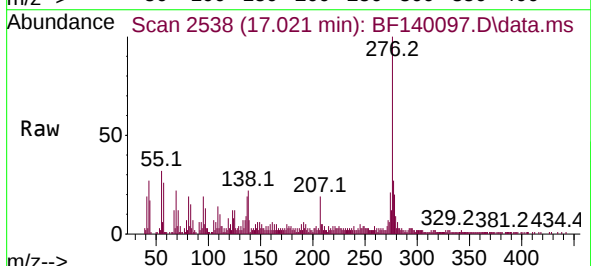
RT: 17.021 min Scan# 2538

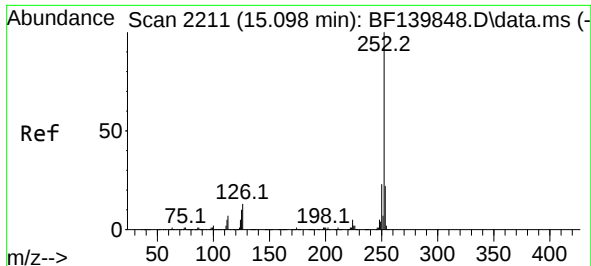
Delta R.T. 0.000 min

Lab File: BF140097.D

Acq: 28 Oct 2024 19:55

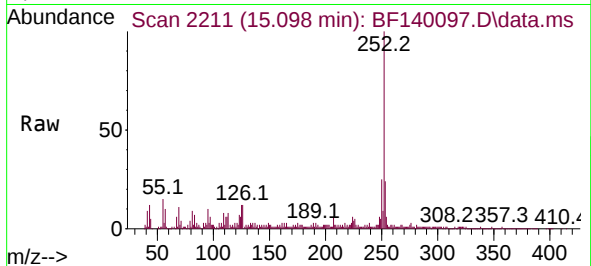
Tgt Ion:	276	Resp:	61546
Ion Ratio	Lower	Upper	
276	100		
138	20.1	20.4	30.6
277	23.1	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 15.233 ng m
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

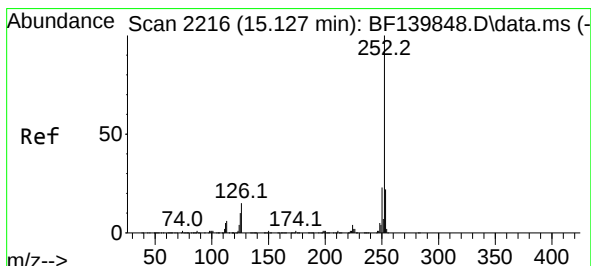
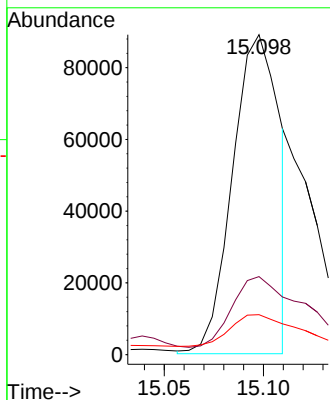
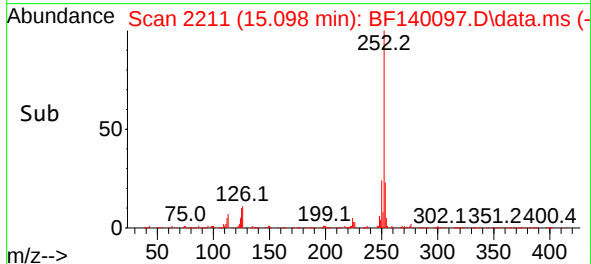
Instrument :
BNA_F
ClientSampleId :
HD-01-102524



Tgt Ion:252 Resp: 146312
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 12.5 7.9 11.9

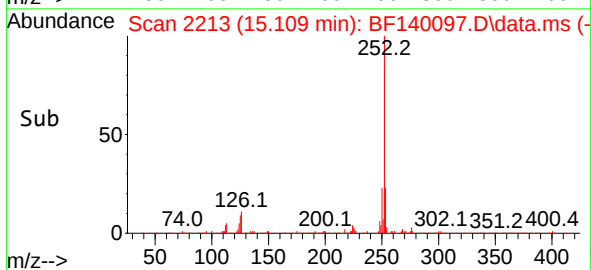
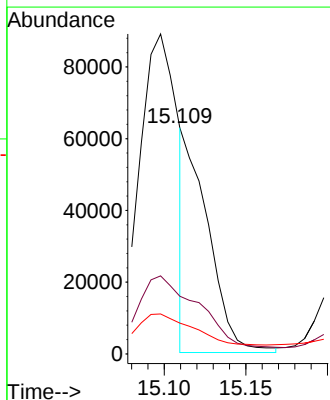
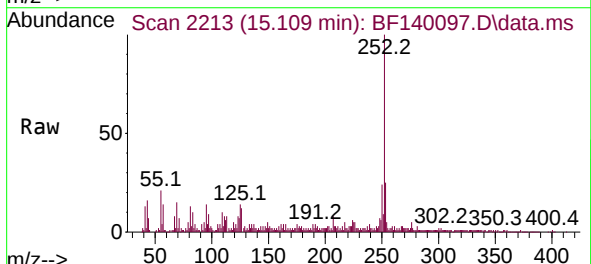
Manual Integrations
APPROVED

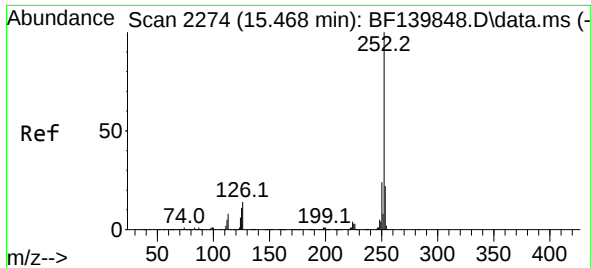
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#89
Benzo(k)fluoranthene
Concen: 7.486 ng m
RT: 15.109 min Scan# 2213
Delta R.T. -0.018 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:252 Resp: 62014
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 13.6 7.9 11.9





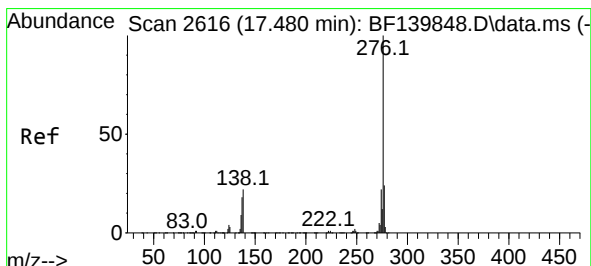
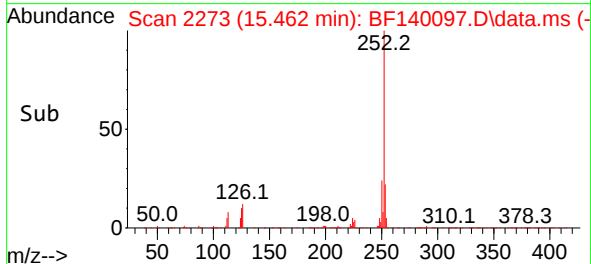
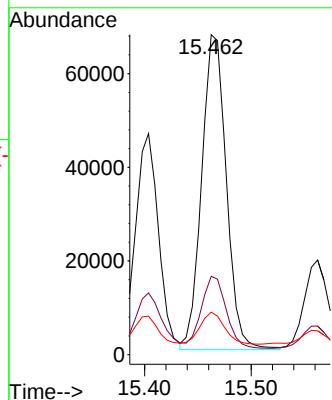
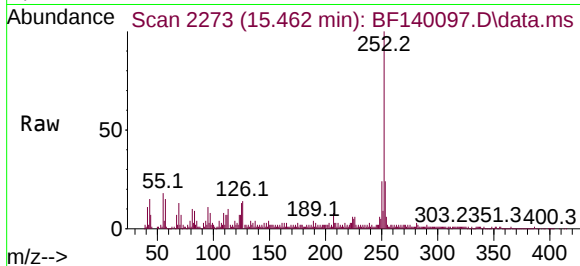
#90
Benzo(a)pyrene
Concen: 13.704 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Instrument :
BNA_F
ClientSampleId :
HD-01-102524

Tgt Ion:252 Resp: 108306
Ion Ratio Lower Upper
252 100
253 24.5 17.3 25.9
125 13.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/30/2024



#92
Benzo(g,h,i)perylene
Concen: 7.268 ng
RT: 17.474 min Scan# 2615
Delta R.T. -0.006 min
Lab File: BF140097.D
Acq: 28 Oct 2024 19:55

Tgt Ion:276 Resp: 61434
Ion Ratio Lower Upper
276 100
277 26.0 19.0 28.6
138 22.4 17.4 26.0

