

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140191.D
 Acq On : 31 Oct 2024 16:08
 Operator : RC/JU
 Sample : P4614-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-102924

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/04/2024
 Supervised By :mohammad ahmed 11/04/2024

Quant Time: Oct 31 16:52:11 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	6.881	152	99102	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	365271	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	174703	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	278498	20.000	ng	0.00
76) Chrysene-d12	14.080	240	168316	20.000	ng	0.03
86) Perylene-d12	15.610	264	134244	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	478266	75.550	ng	0.00
7) Phenol-d6	6.504	99	608093	74.167	ng	0.00
23) Nitrobenzene-d5	7.440	82	401567	60.931	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	126966	77.697	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	680825	64.406	ng	-0.01
79) Terphenyl-d14	13.010	244	591556	57.269	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	54176	4.118	ng	100
75) Fluoranthene	12.633	202	135875	10.217	ng	99
78) Pyrene	12.863	202	113608	7.711	ng	98
81) Benzo(a)anthracene	14.069	228	55608	5.075	ng	97
83) Chrysene	14.104	228	50027m	4.980	ng	
87) Indeno(1,2,3-cd)pyrene	17.139	276	20961	2.427	ng	94
88) Benzo(b)fluoranthene	15.163	252	54246m	6.634	ng	
89) Benzo(k)fluoranthene	15.180	252	19382m	2.748	ng	
90) Benzo(a)pyrene	15.539	252	31331	4.656	ng	# 85
92) Benzo(g,h,i)perylene	17.604	276	21370	2.970	ng	# 91

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

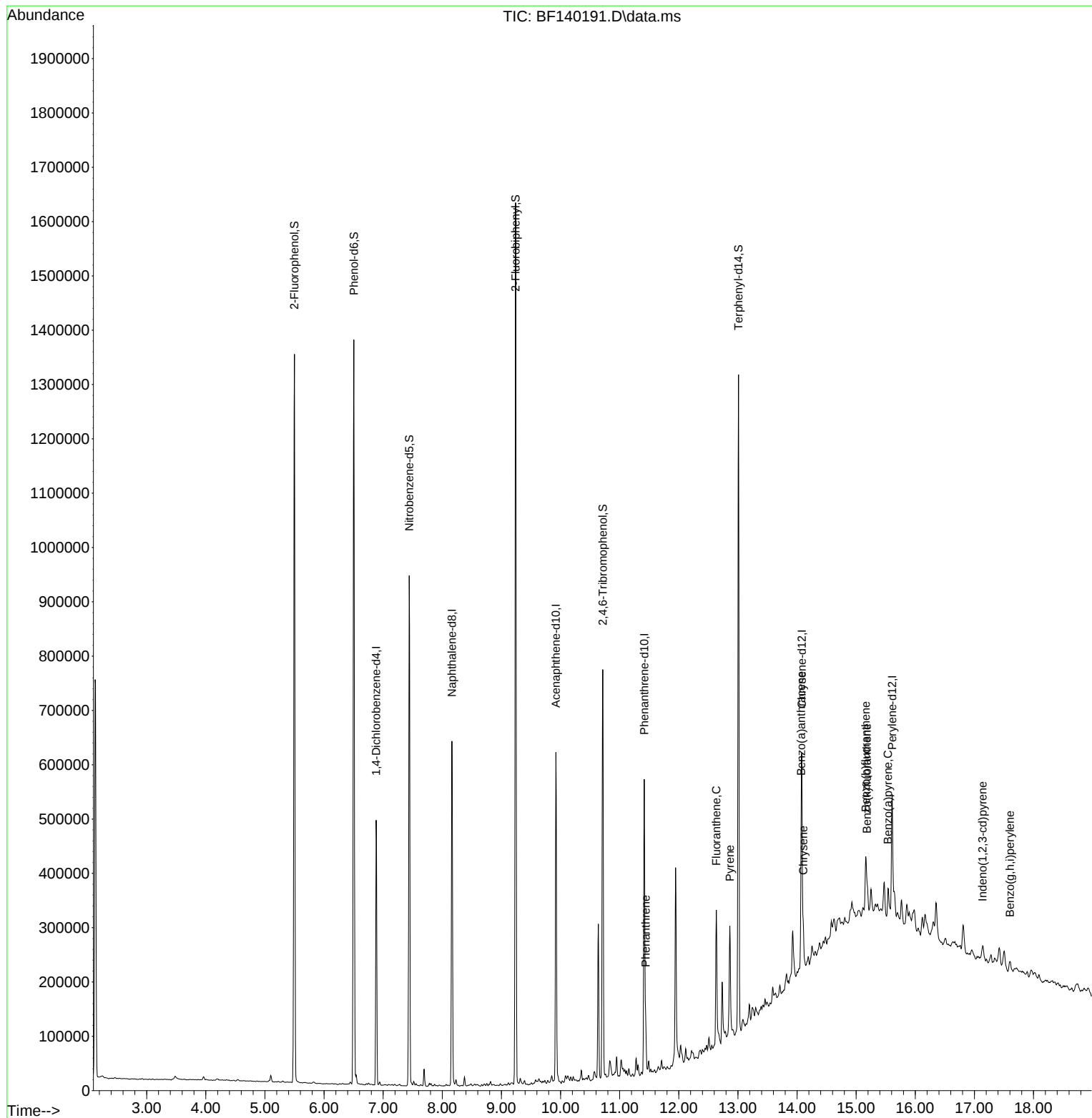
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
Data File : BF140191.D
Acq On : 31 Oct 2024 16:08
Operator : RC/JU
Sample : P4614-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

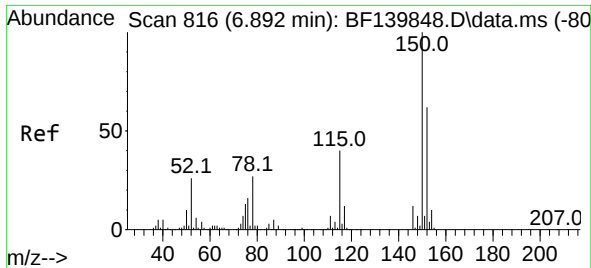
Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Quant Time: Oct 31 16:52:11 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
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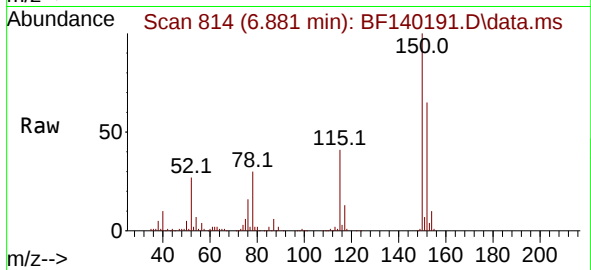
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

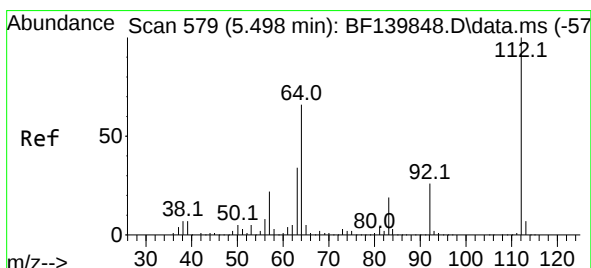
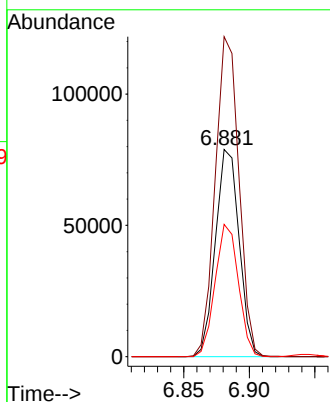
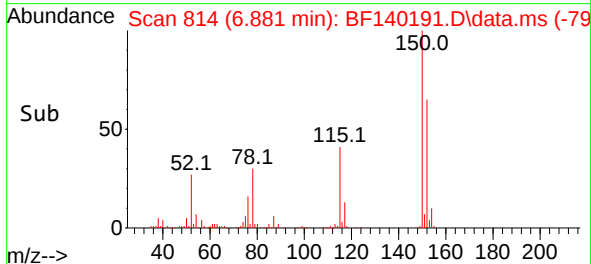


Tgt Ion:152 Resp: 9910
Ion Ratio Lower Upper
152 100
150 154.4 130.2 195.2
115 63.9 51.4 77.2

Manual Integrations

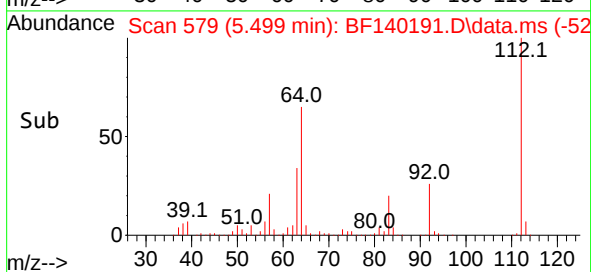
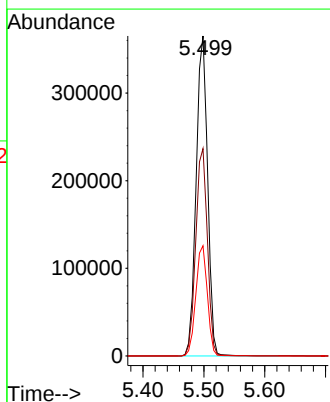
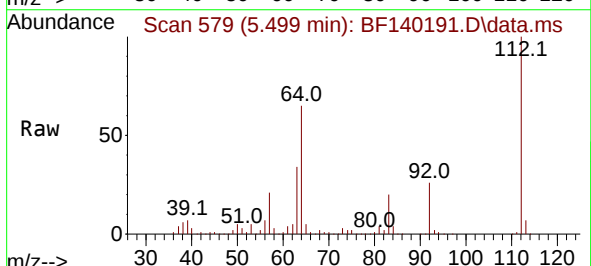
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 75.550 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

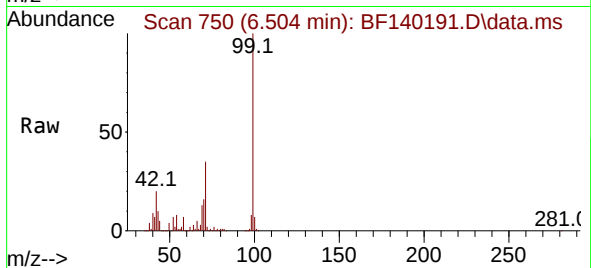
Tgt Ion:112 Resp: 478266
Ion Ratio Lower Upper
112 100
64 64.8 53.0 79.6
63 34.4 27.0 40.4





#7
Phenol-d6
Concen: 74.167 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

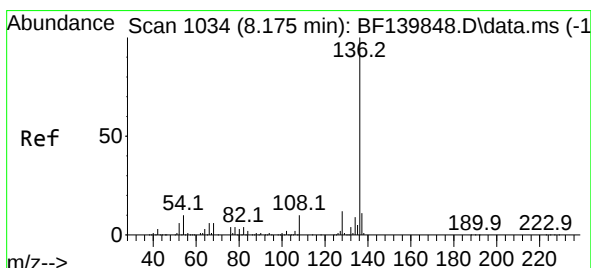
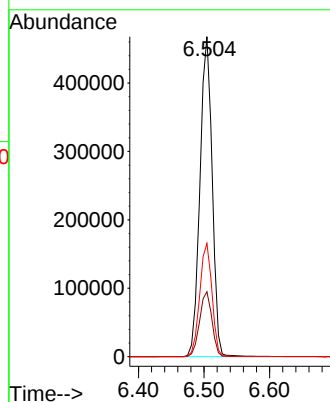
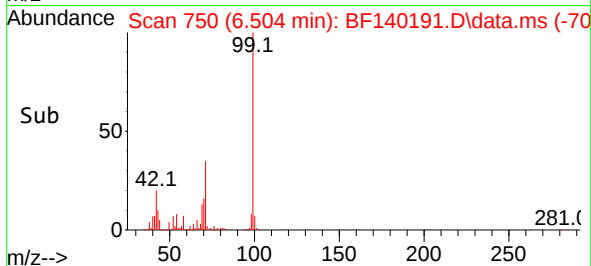
Instrument :
BNA_F
ClientSampleId :
NB-07-102924



Tgt Ion: 99 Resp: 60809
Ion Ratio Lower Upper
99 100
42 20.3 16.7 25.1
71 35.4 27.7 41.5

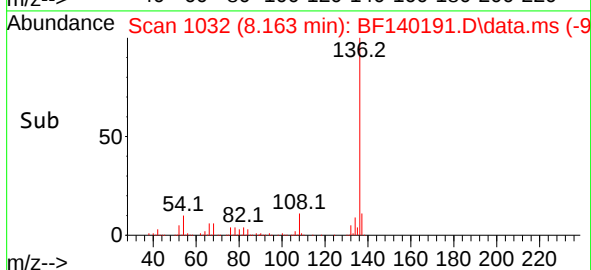
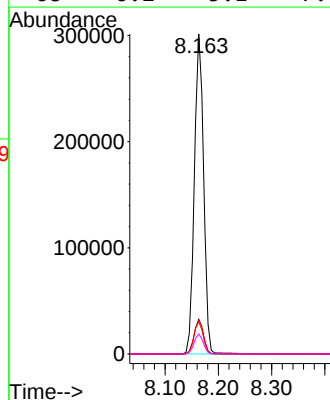
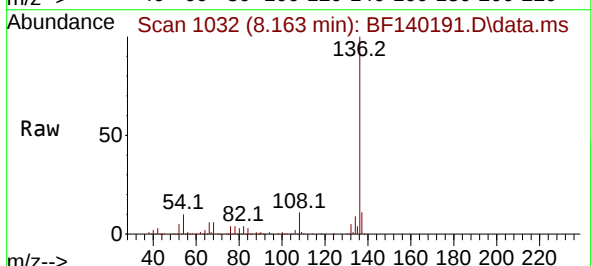
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:136 Resp: 365271
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.1 8.4 12.6
68 6.2 5.1 7.7





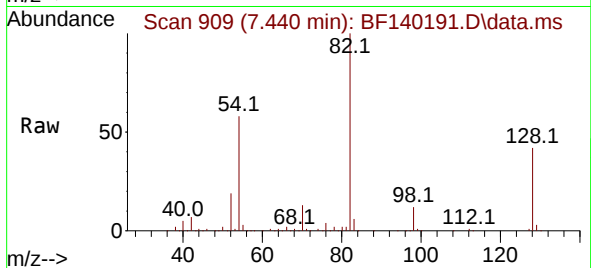
#23
Nitrobenzene-d5
Concen: 60.931 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

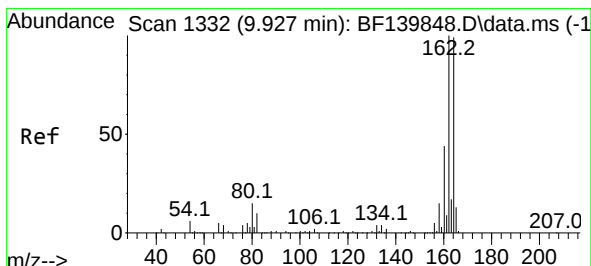
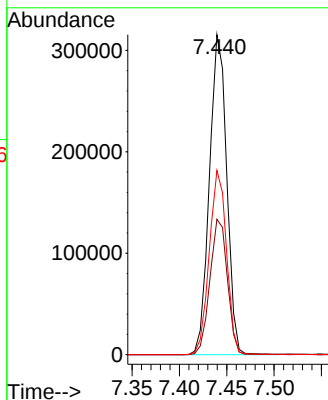
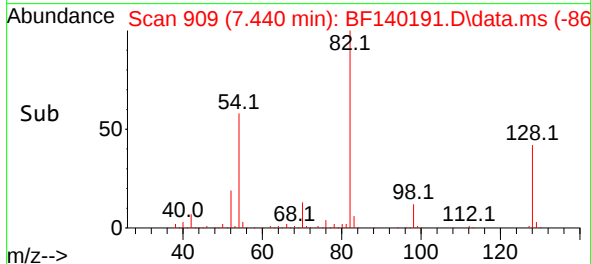


Tgt Ion: 82 Resp: 40156
Ion Ratio Lower Upper
82 100
128 42.3 33.4 50.0
54 57.6 47.8 71.8

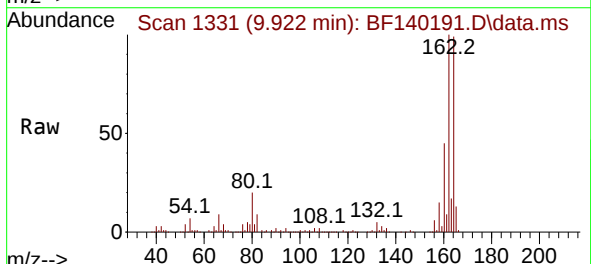
Manual Integrations

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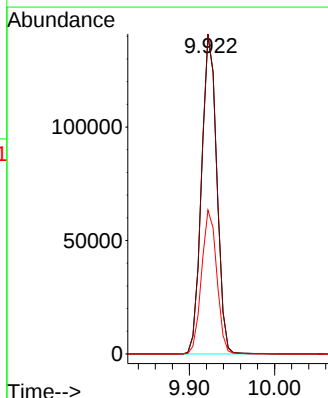
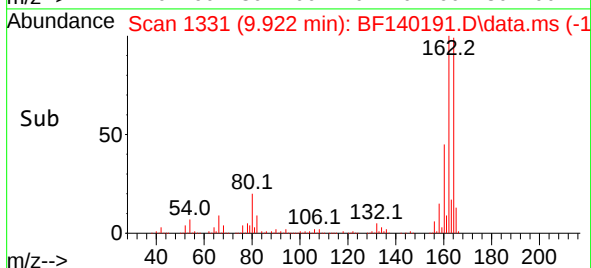
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08



Tgt Ion:164 Resp: 174703
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 45.3 35.4 53.0





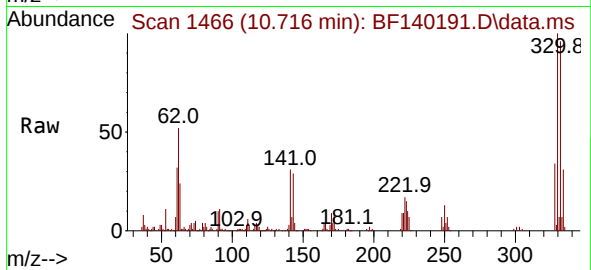
#42
2,4,6-Tribromophenol
Concen: 77.697 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924



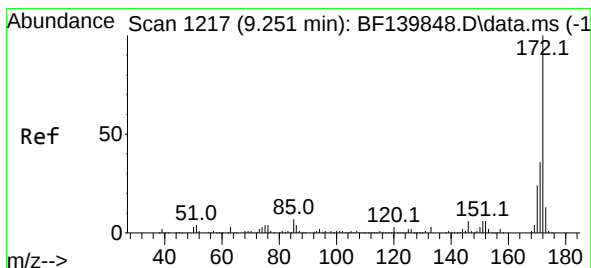
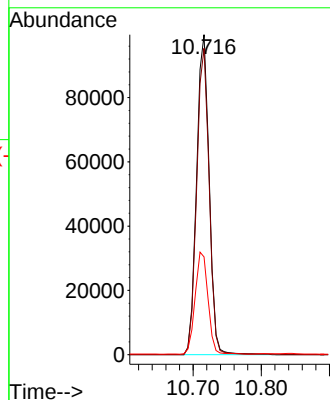
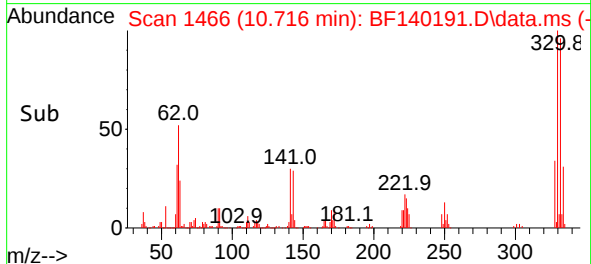
Tgt Ion: 330 Resp: 126960
Ion Ratio Lower Upper
330 100
332 94.8 78.1 117.1
141 32.5 26.6 39.8

Manual Integrations

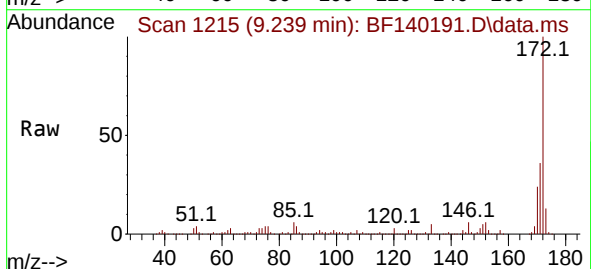
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Reviewed By : Yogesh Patel 11/04/2024

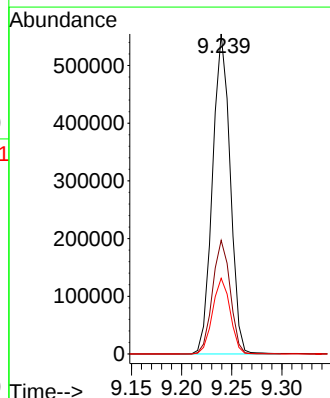
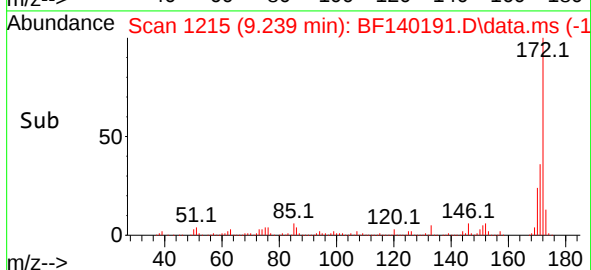
Supervised By : mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 64.406 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08



Tgt Ion: 172 Resp: 680825
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

Tgt Ion:188 Resp: 278498

Ion Ratio Lower Upper

188 100

94 9.5 7.9 11.9

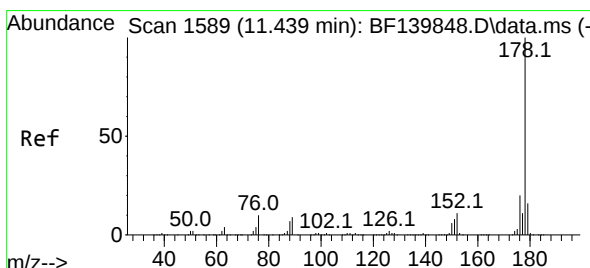
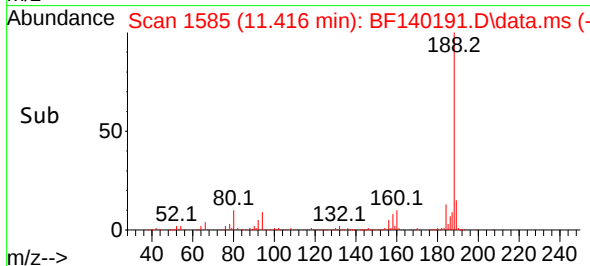
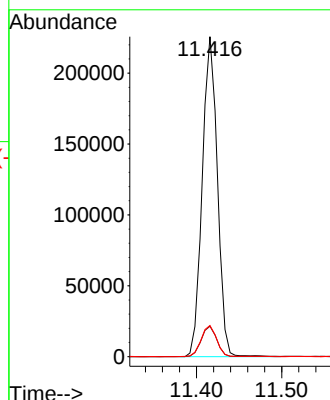
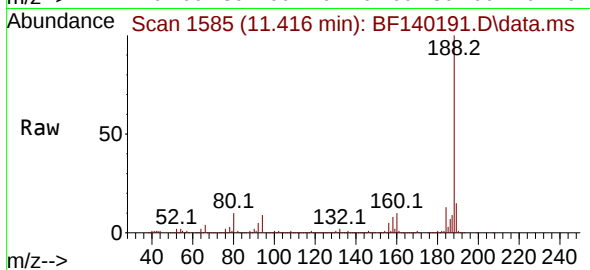
80 9.8 9.0 13.4

Manual Integrations

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Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#71

Phenanthrene

Concen: 4.118 ng

RT: 11.439 min Scan# 1589

Delta R.T. 0.000 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

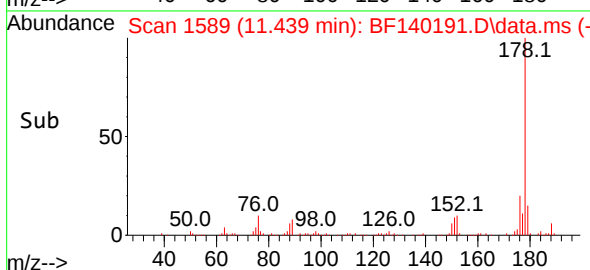
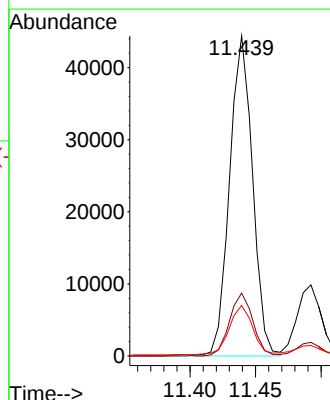
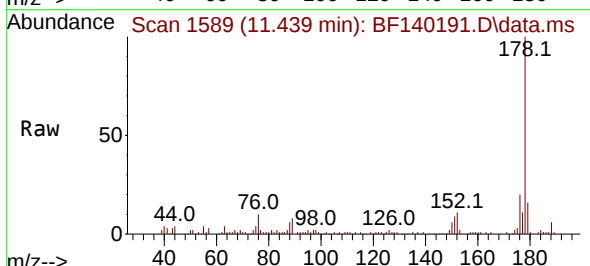
Tgt Ion:178 Resp: 54176

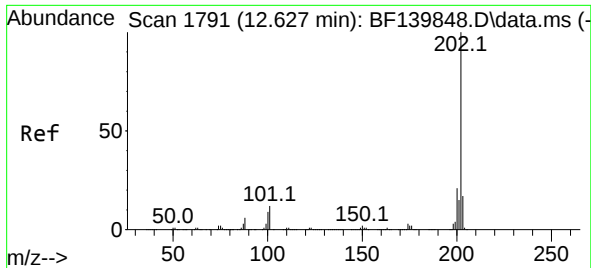
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.7 12.6 18.8





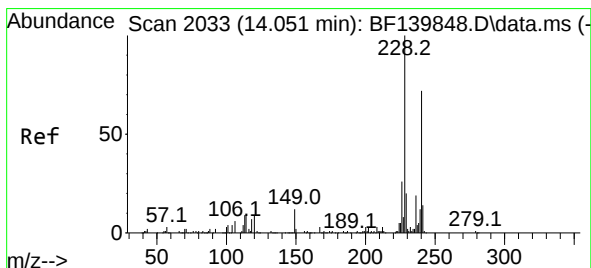
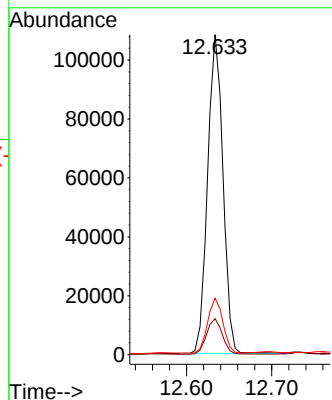
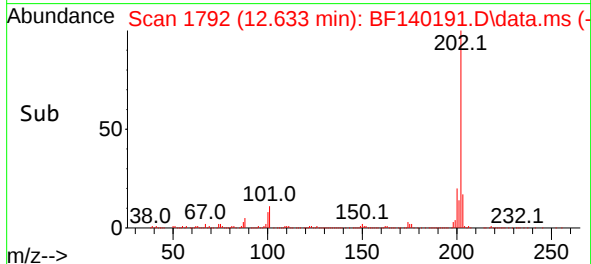
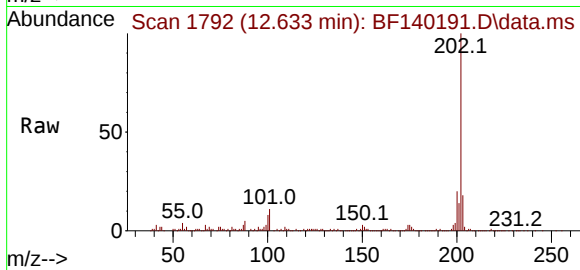
#75
Fluoranthene
Concen: 10.217 ng
RT: 12.633 min Scan# 1792
Delta R.T. 0.006 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Instrument :
BNA_F
ClientSampleId :
NB-07-102924

Tgt Ion:202 Resp: 135879
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.9
203 17.6 0.0 37.5

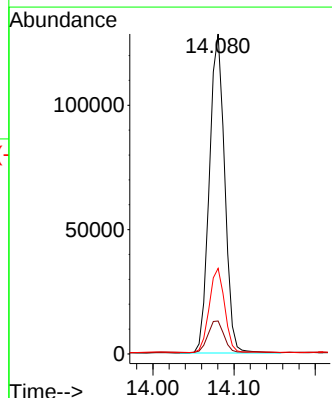
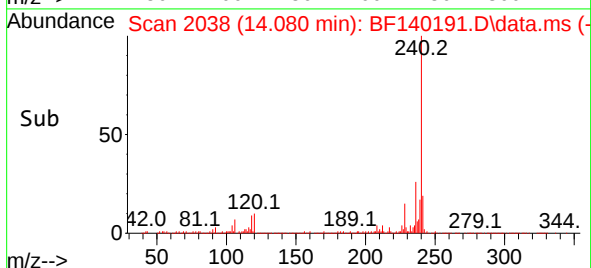
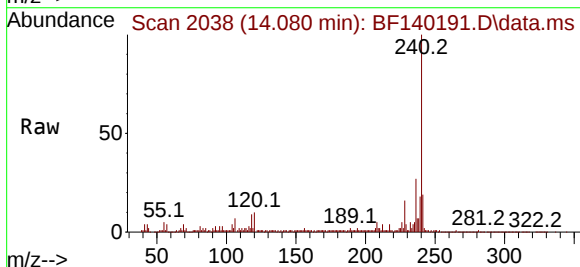
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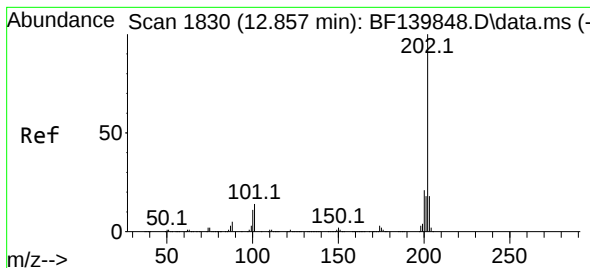
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.030 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:240 Resp: 168316
Ion Ratio Lower Upper
240 100
120 10.3 9.4 14.2
236 26.8 20.9 31.3





#78

Pyrene

Concen: 7.711 ng

RT: 12.863 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

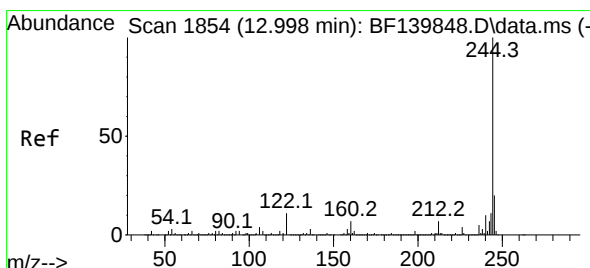
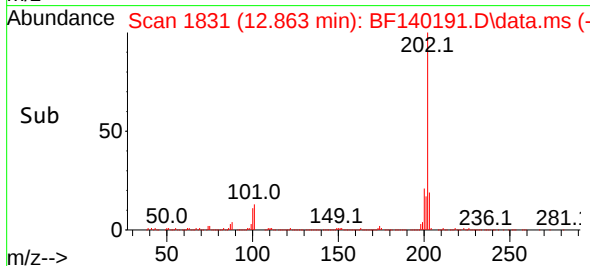
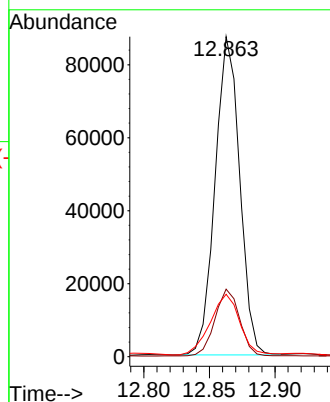
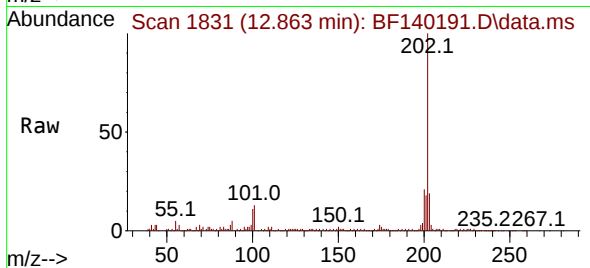
Tgt Ion:	202	Resp:	11360
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.2	25.8
203	19.5	14.2	21.4

Manual Integrations

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Supervised By :mohammad ahmed 11/04/2024



#79

Terphenyl-d14

Concen: 57.269 ng

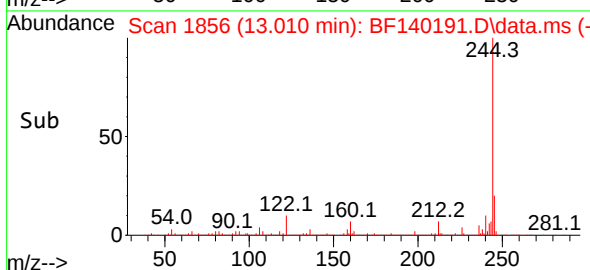
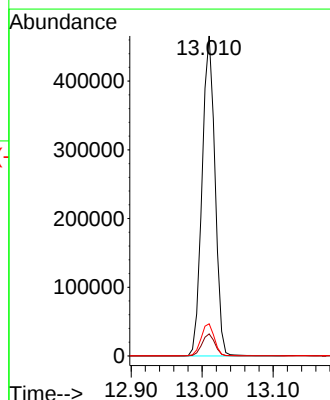
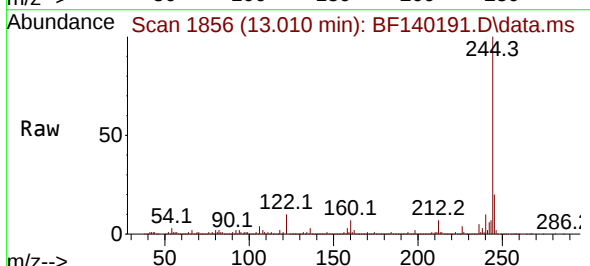
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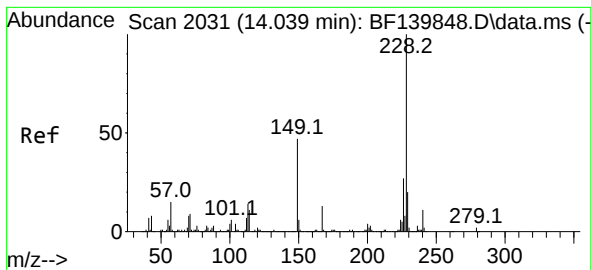
Delta R.T. 0.012 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Tgt Ion:	244	Resp:	591556
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.7	8.5
122	10.1	8.6	13.0





#81

Benzo(a)anthracene

Concen: 5.075 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.030 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

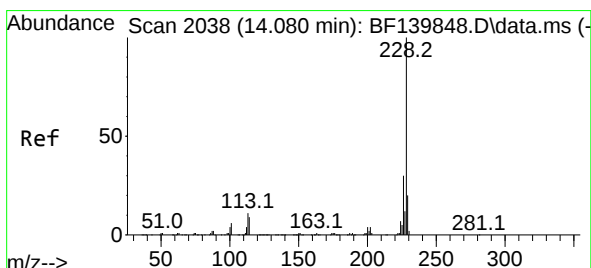
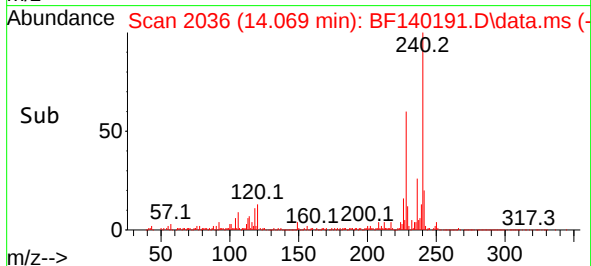
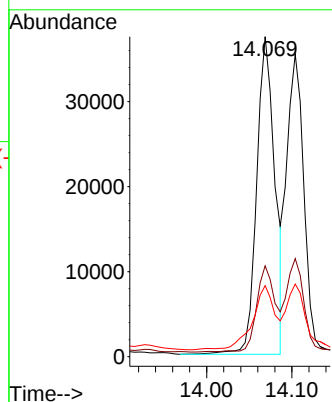
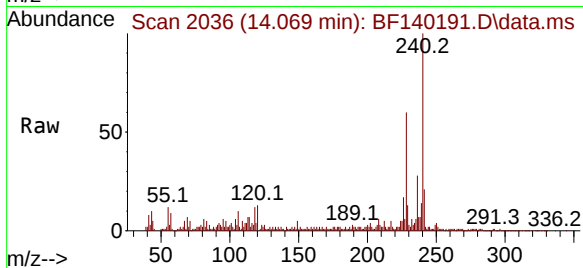
Tgt Ion:228 Resp: 55608
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.6 32.4
 229 22.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#83

Chrysene

Concen: 4.980 ng m

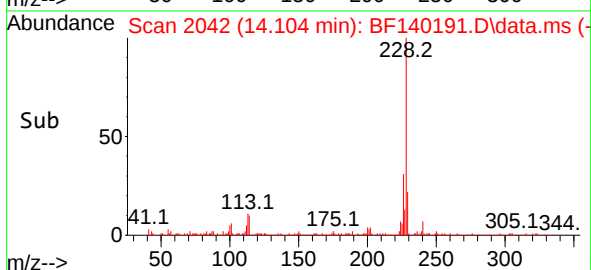
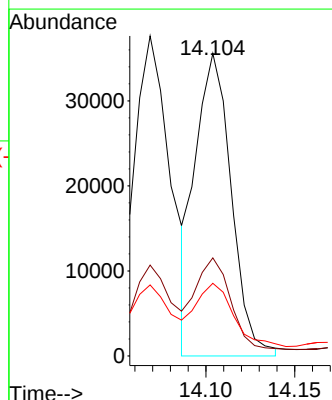
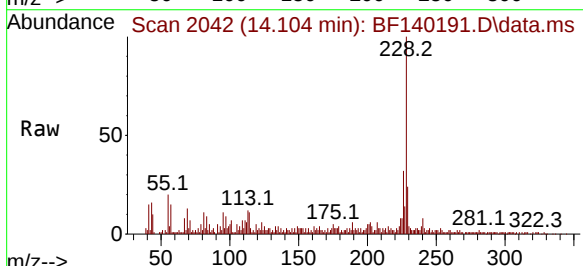
RT: 14.104 min Scan# 2042

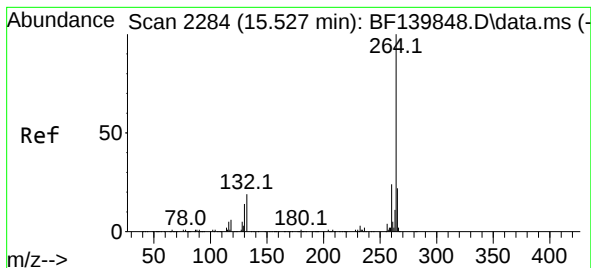
Delta R.T. 0.024 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Tgt Ion:228 Resp: 50027
 Ion Ratio Lower Upper
 228 100
 226 32.4 24.1 36.1
 229 24.0 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.610 min Scan# 21

Delta R.T. 0.083 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

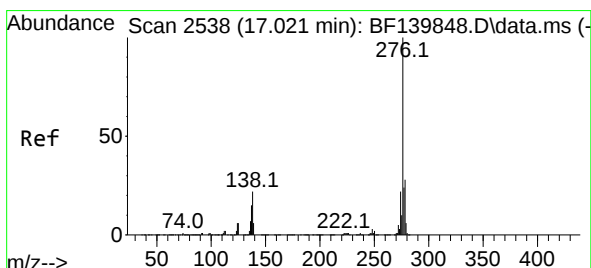
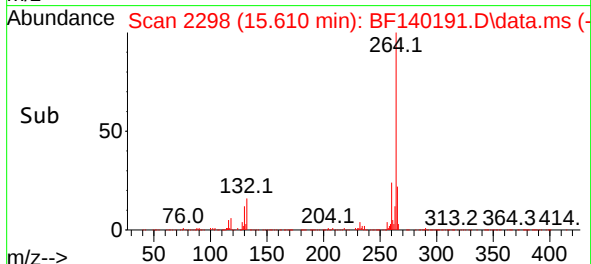
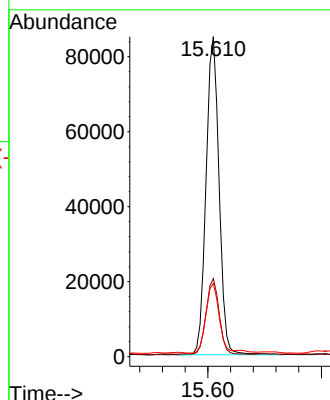
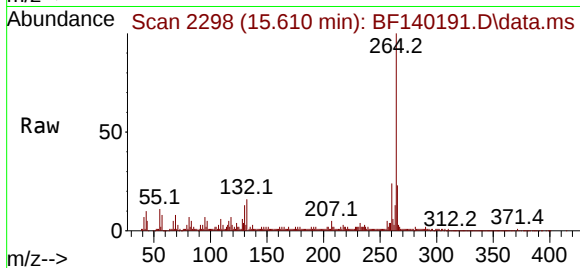
Tgt Ion:	264	Resp:	13424
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.2
265	22.9	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.427 ng

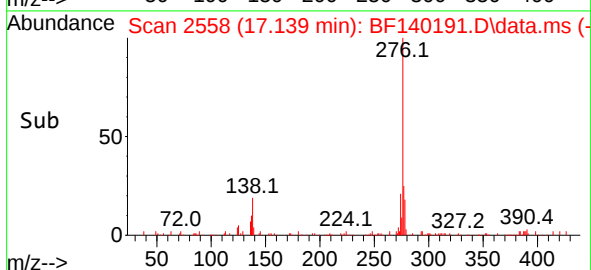
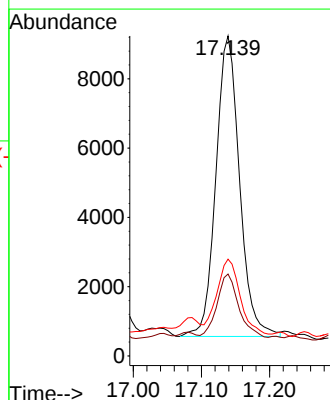
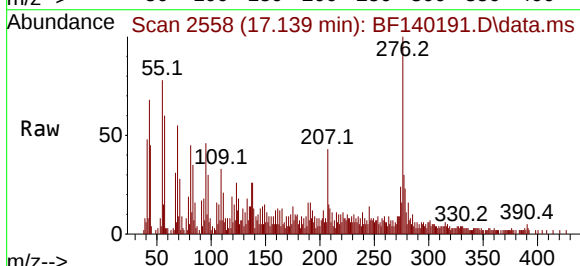
RT: 17.139 min Scan# 2558

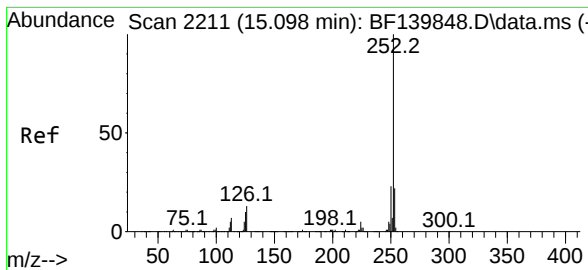
Delta R.T. 0.118 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Tgt Ion:	276	Resp:	20961
Ion Ratio	Lower	Upper	
276	100		
138	21.2	20.4	30.6
277	24.0	20.2	30.4





#88
Benzo(b)fluoranthene
Concen: 6.634 ng m
RT: 15.163 min Scan# 2211
Delta R.T. 0.065 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

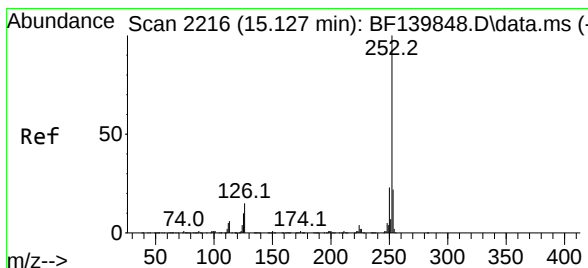
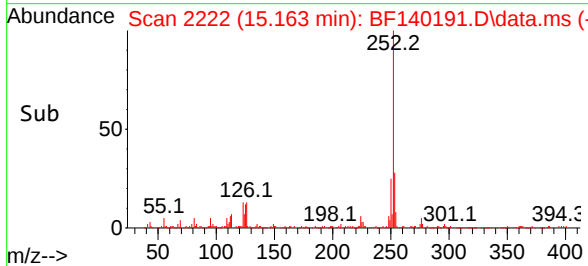
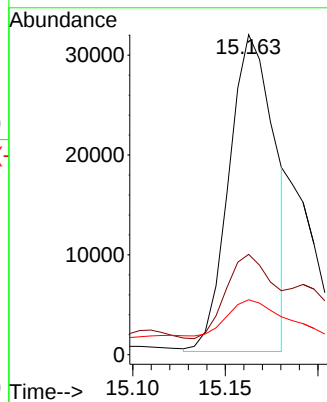
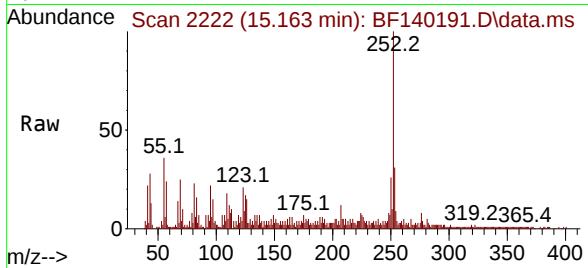
Tgt Ion:252 Resp: 54240
Ion Ratio Lower Upper
252 100
253 31.3 17.6 26.4#
125 17.1 7.9 11.9#

Manual Integrations

APPROVED

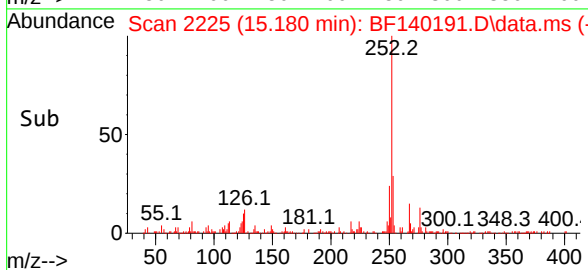
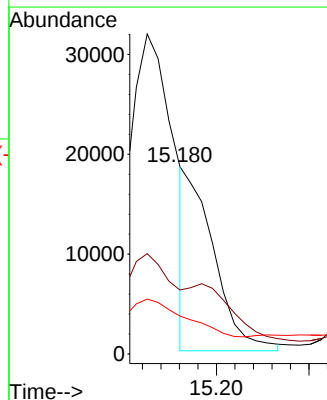
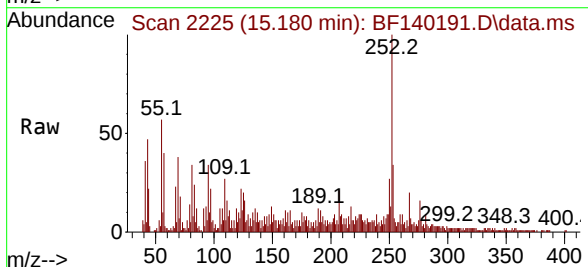
Reviewed By :Yogesh Patel 11/04/2024

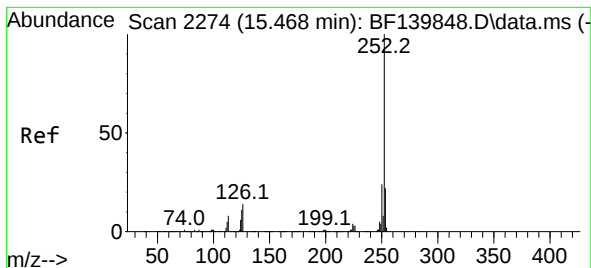
Supervised By :mohammad ahmed 11/04/2024



#89
Benzo(k)fluoranthene
Concen: 2.748 ng m
RT: 15.180 min Scan# 2225
Delta R.T. 0.053 min
Lab File: BF140191.D
Acq: 31 Oct 2024 16:08

Tgt Ion:252 Resp: 19382
Ion Ratio Lower Upper
252 100
253 34.1 17.6 26.4#
125 20.2 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 4.656 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.071 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Instrument :

BNA_F

ClientSampleId :

NB-07-102924

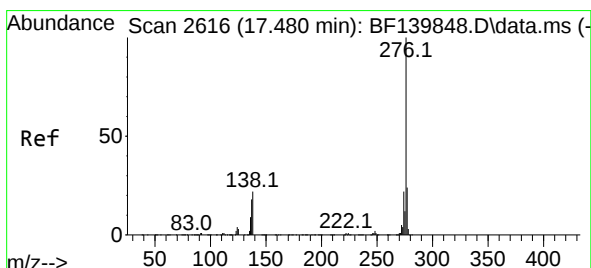
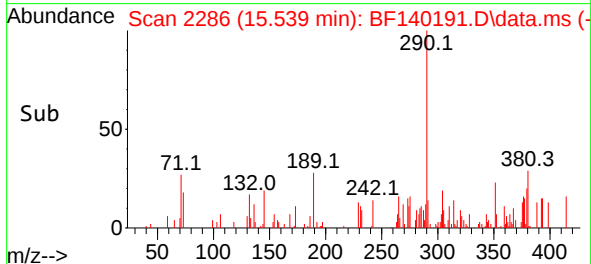
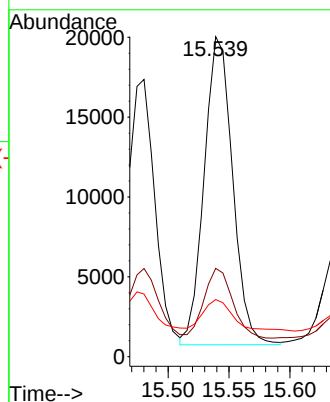
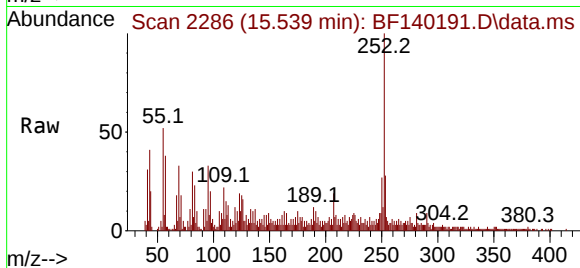
Tgt Ion:	252	Resp:	3133
Ion Ratio	Lower	Upper	
252	100		
253	27.6	17.3	25.9
125	17.8	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 2.970 ng

RT: 17.604 min Scan# 2637

Delta R.T. 0.124 min

Lab File: BF140191.D

Acq: 31 Oct 2024 16:08

Tgt Ion:	276	Resp:	21370
Ion Ratio	Lower	Upper	
276	100		
277	30.7	19.0	28.6
138	23.8	17.4	26.0

