

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
 Data File : BF140198.D
 Acq On : 31 Oct 2024 19:13
 Operator : RC/JU
 Sample : P4639-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-103024

Manual Integrations
 APPROVED

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

Quant Time: Nov 01 01:15:17 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	106403	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	407266	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	199904	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	307148	20.000	ng	0.00
76) Chrysene-d12	14.068	240	180193	20.000	ng	0.02
86) Perylene-d12	15.574	264	145832	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	120089	17.668	ng	0.00
7) Phenol-d6	6.498	99	164879	18.730	ng	-0.01
23) Nitrobenzene-d5	7.439	82	99007	13.474	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	33974	18.169	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	196528	16.248	ng	-0.01
79) Terphenyl-d14	13.004	244	174641	15.793	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.439	178	73567	5.071	ng	98
75) Fluoranthene	12.633	202	146728	10.004	ng	99
78) Pyrene	12.863	202	135666	8.601	ng	98
81) Benzo(a)anthracene	14.057	228	57523	4.904	ng	93
83) Chrysene	14.092	228	48473	4.507	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.098	276	21656	2.308	ng	93
88) Benzo(b)fluoranthene	15.133	252	56500m	6.360	ng	
89) Benzo(k)fluoranthene	15.151	252	16959m	2.214	ng	
90) Benzo(a)pyrene	15.509	252	38962	5.330	ng	# 92
92) Benzo(g,h,i)perylene	17.556	276	21716	2.778	ng	93

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

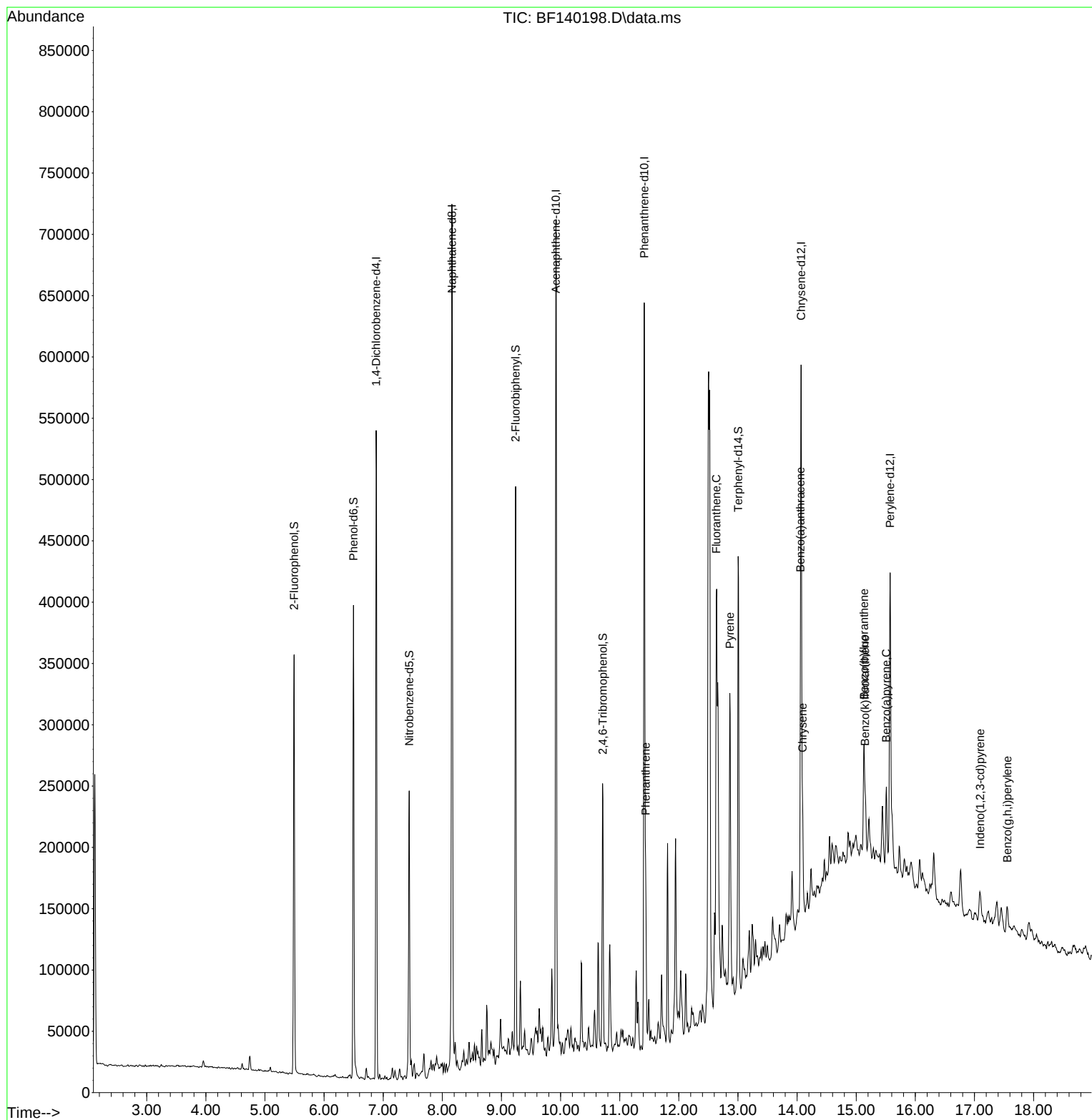
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103124\
Data File : BF140198.D
Acq On : 31 Oct 2024 19:13
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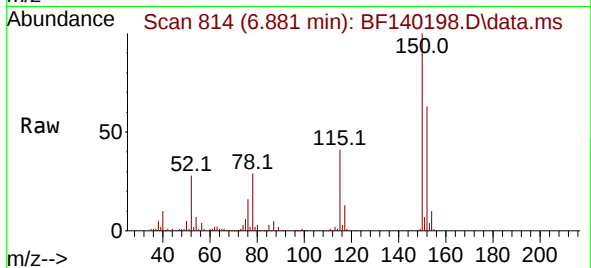
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 816
Delta R.T. -0.011 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024



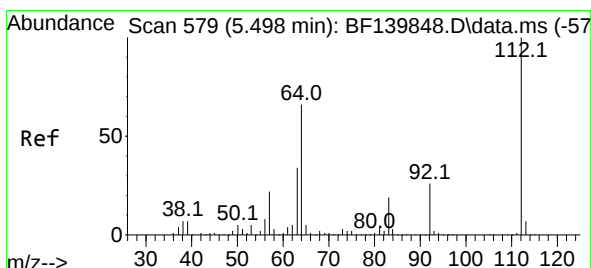
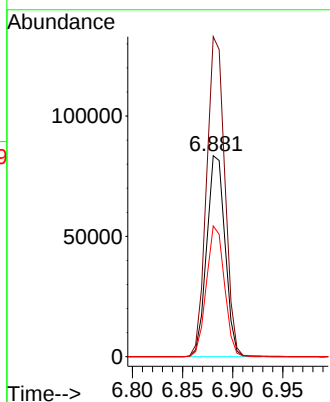
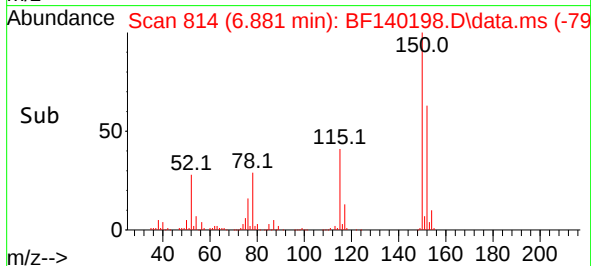
Tgt Ion:152 Resp: 106400
Ion Ratio Lower Upper
152 100
150 159.2 130.2 195.2
115 65.0 51.4 77.2

Manual Integrations

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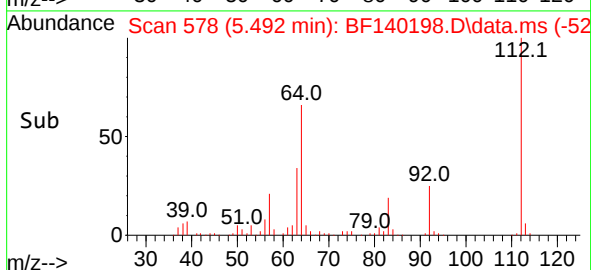
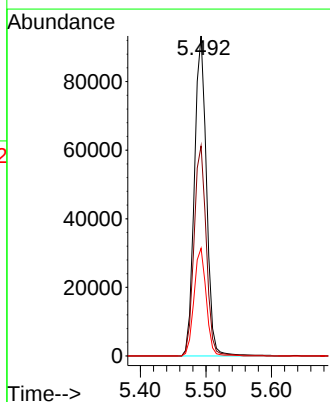
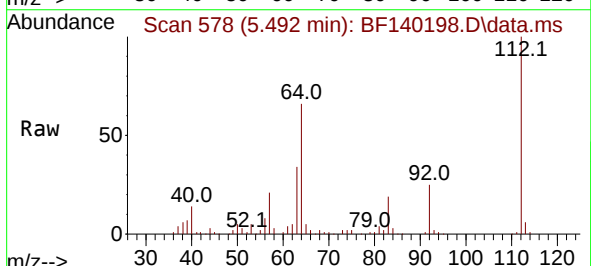
Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#5
2-Fluorophenol
Concen: 17.668 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

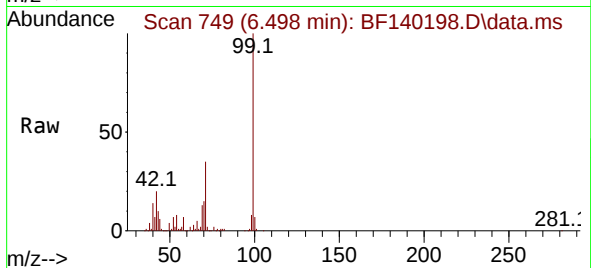
Tgt Ion:112 Resp: 120089
Ion Ratio Lower Upper
112 100
64 65.7 53.0 79.6
63 33.6 27.0 40.4





#7
Phenol-d6
Concen: 18.730 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

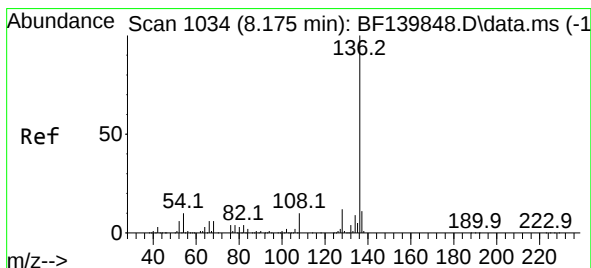
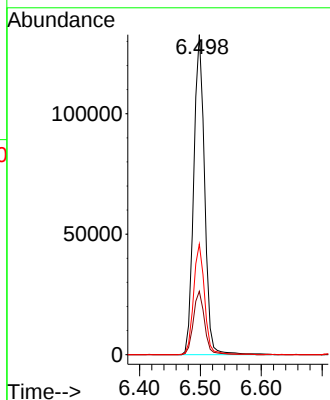
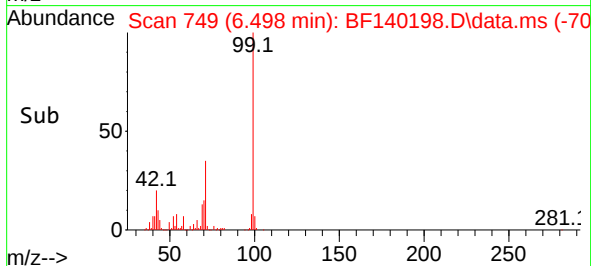
Instrument :
BNA_F
ClientSampleId :
EO-01-103024



Tgt Ion: 99 Resp: 164879
Ion Ratio Lower Upper
99 100
42 19.8 16.7 25.1
71 34.5 27.7 41.5

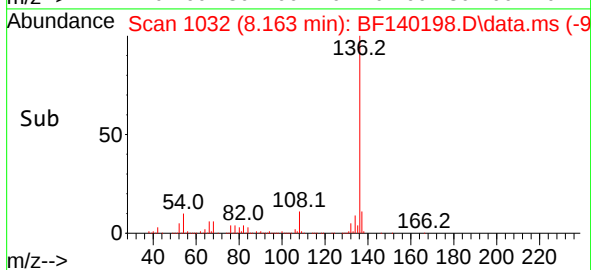
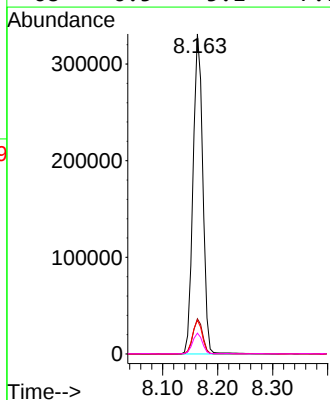
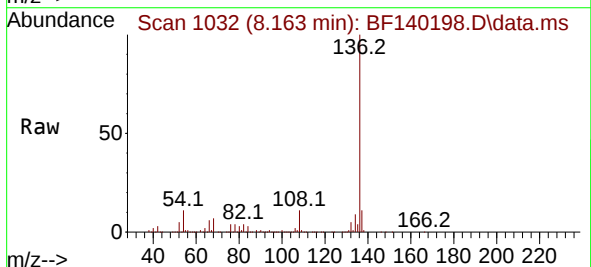
Manual Integrations
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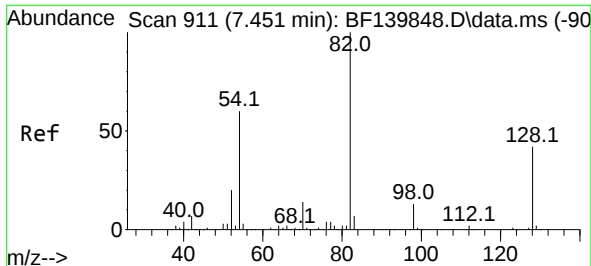
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:136 Resp: 407266
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.6 8.4 12.6
68 6.5 5.1 7.7





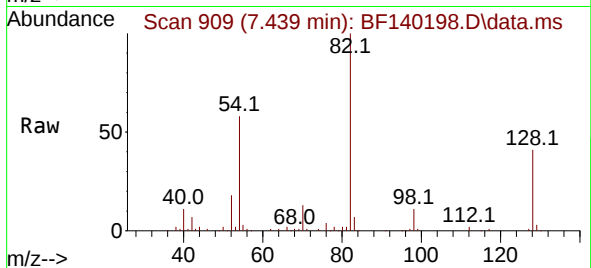
#23
Nitrobenzene-d5
Concen: 13.474 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

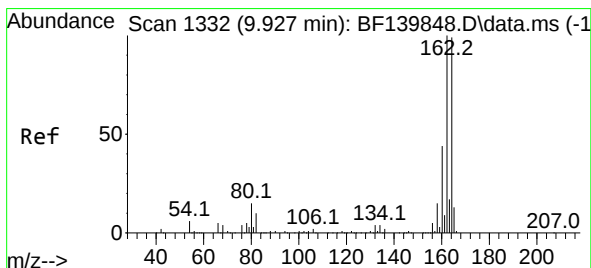
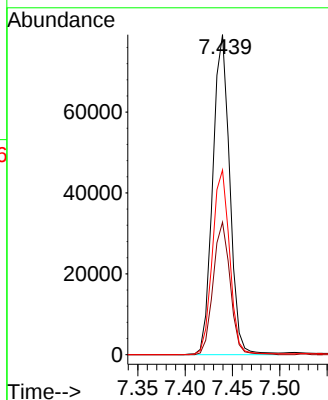
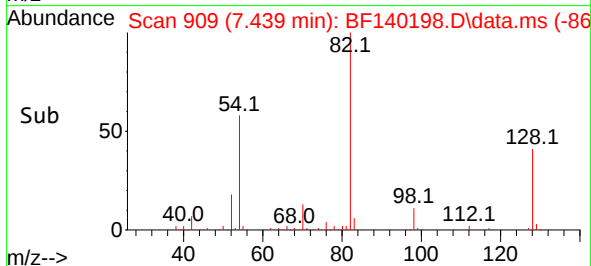


Tgt Ion: 82 Resp: 9900
Ion Ratio Lower Upper
82 100
128 41.4 33.4 50.0
54 57.7 47.8 71.8

Manual Integrations

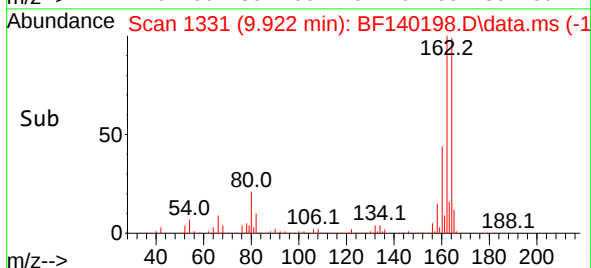
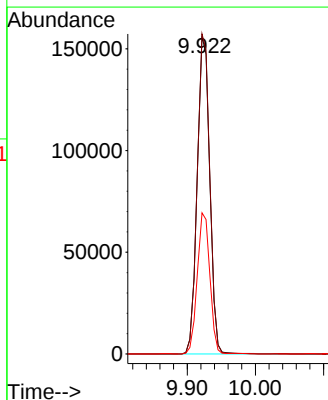
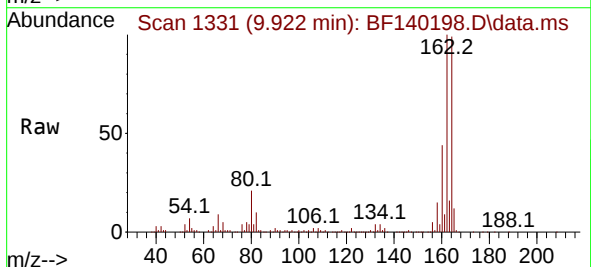
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Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:164 Resp: 199904
Ion Ratio Lower Upper
164 100
162 100.8 81.0 121.4
160 44.5 35.4 53.0





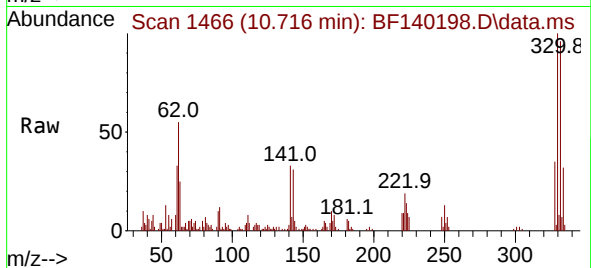
#42
2,4,6-Tribromophenol
Concen: 18.169 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024



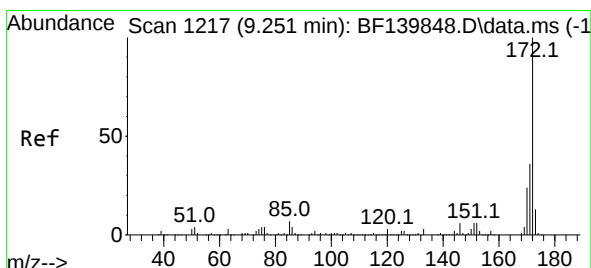
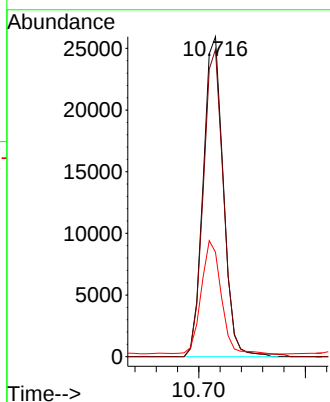
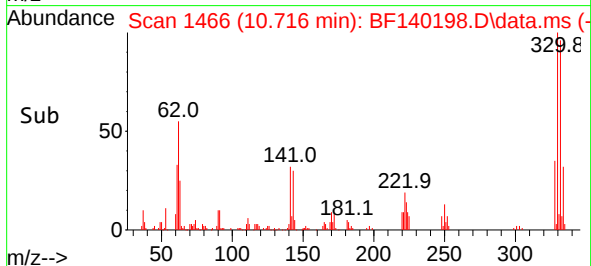
Tgt Ion: 330 Resp: 33974
Ion Ratio Lower Upper
330 100
332 96.9 78.1 117.1
141 35.2 26.6 39.8

Manual Integrations

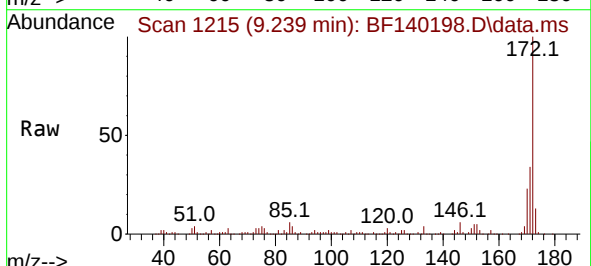
APPROVED

Reviewed By : Yogesh Patel 11/04/2024

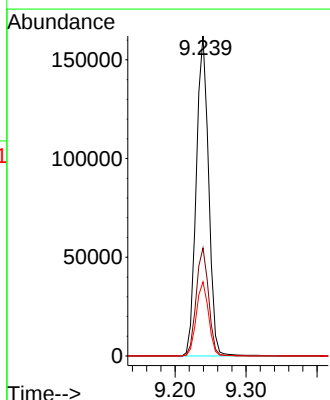
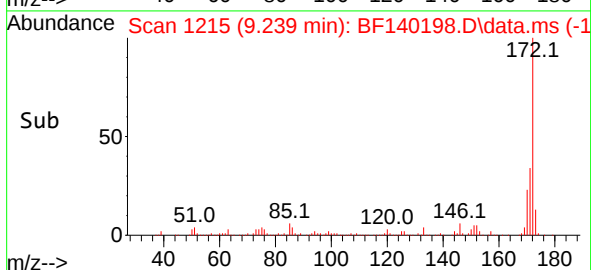
Supervised By : mohammad ahmed 11/04/2024



#45
2-Fluorobiphenyl
Concen: 16.248 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13



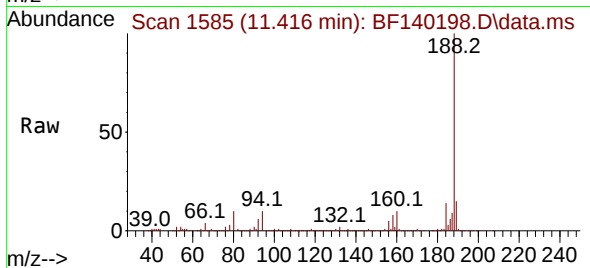
Tgt Ion: 172 Resp: 196528
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 23.1 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

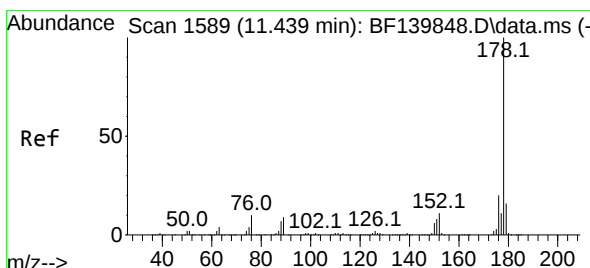
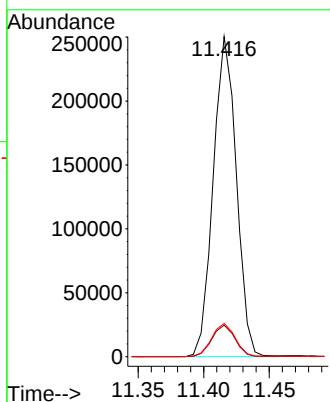
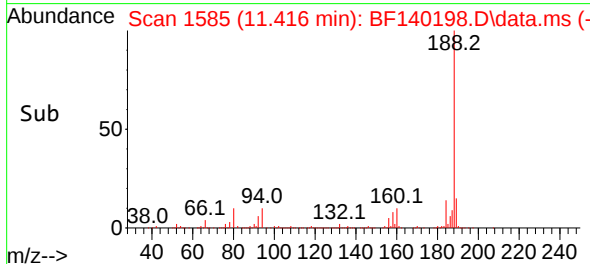
Instrument :
BNA_F
ClientSampleId :
EO-01-103024



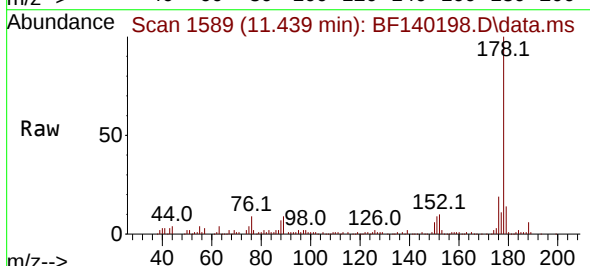
Tgt Ion:188 Resp: 30714
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.4 9.0 13.4

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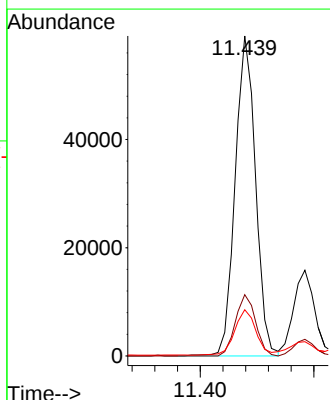
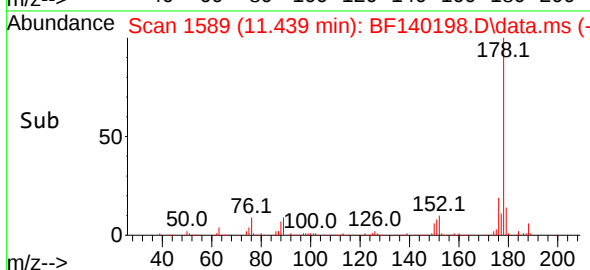
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

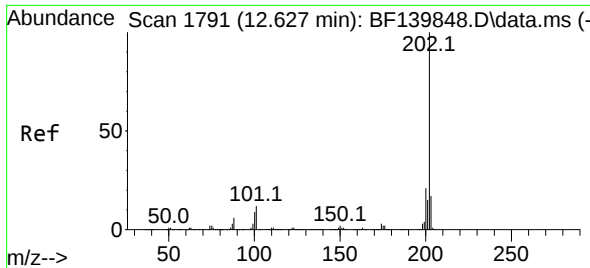


#71
Phenanthrene
Concen: 5.071 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13



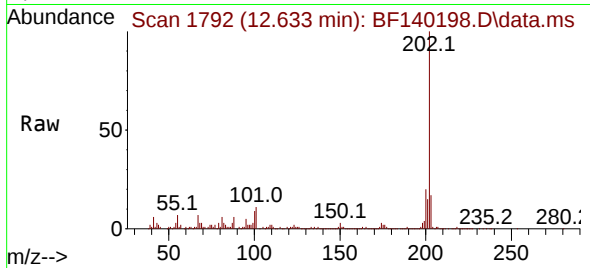
Tgt Ion:178 Resp: 73567
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 14.5 12.6 18.8





#75
Fluoranthene
Concen: 10.004 ng
RT: 12.633 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

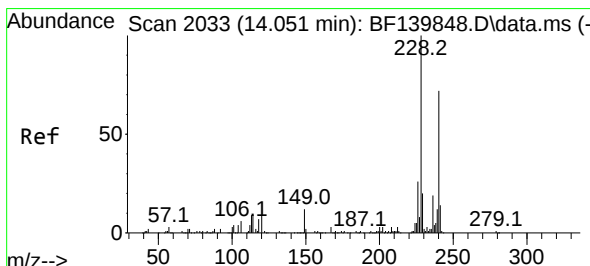
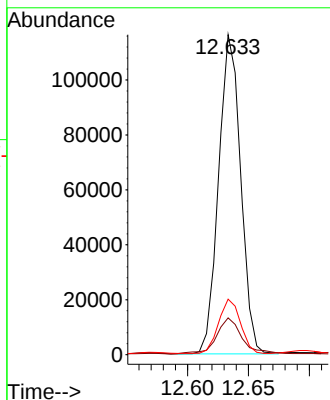
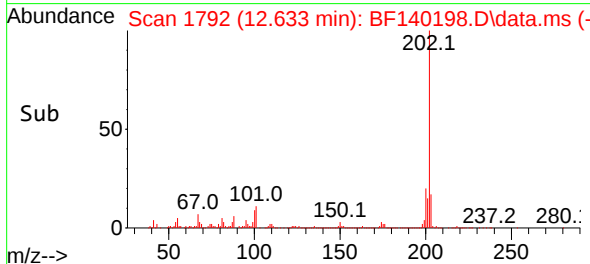
Instrument :
BNA_F
ClientSampleId :
EO-01-103024



Tgt Ion:202 Resp: 146728
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.9
203 17.4 0.0 37.5

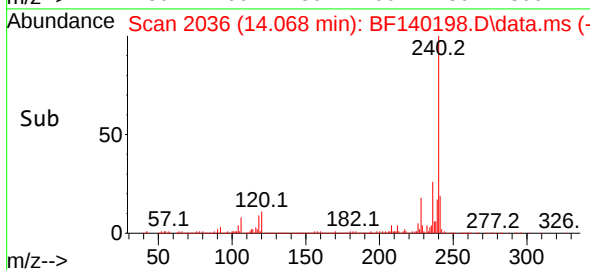
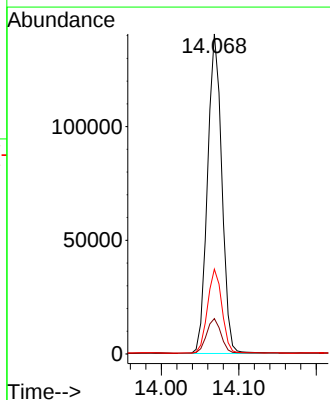
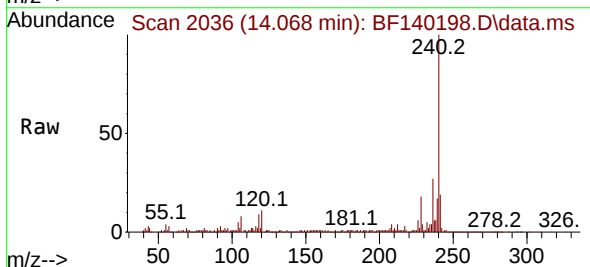
Manual Integrations
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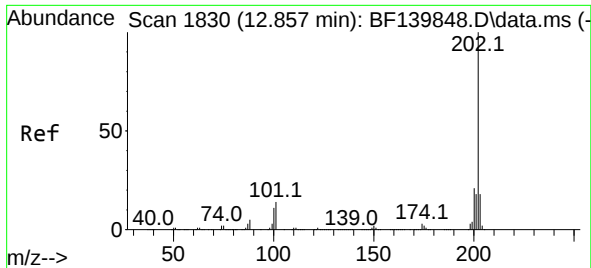
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

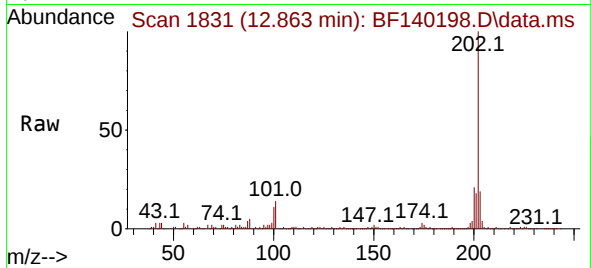
Tgt Ion:240 Resp: 180193
Ion Ratio Lower Upper
240 100
120 11.1 9.4 14.2
236 26.5 20.9 31.3





#78
Pyrene
Concen: 8.601 ng
RT: 12.863 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

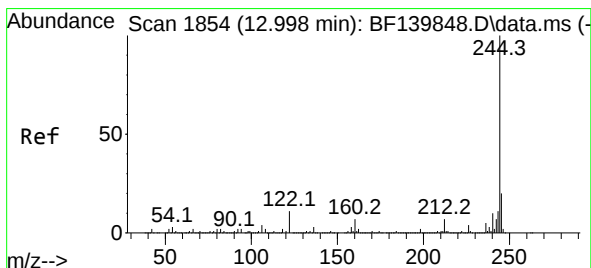
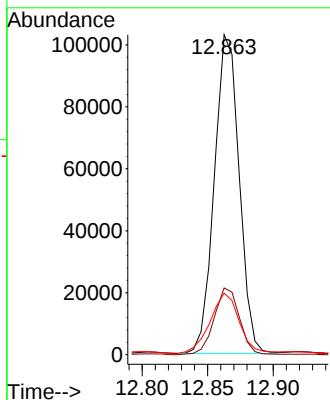
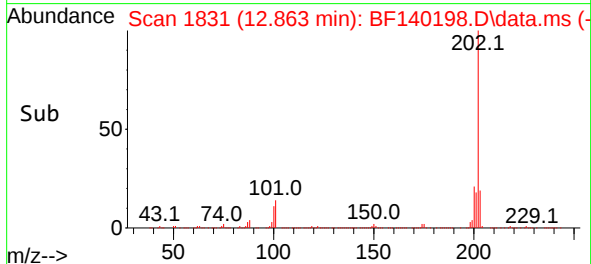
Instrument :
BNA_F
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EO-01-103024



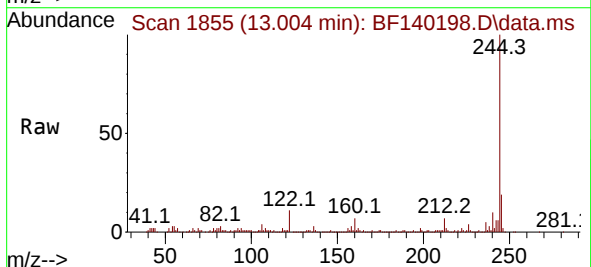
Tgt Ion:202 Resp: 13566
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 19.2 14.2 21.4

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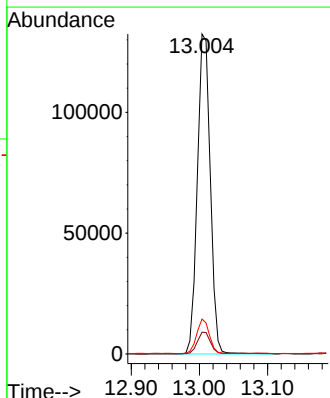
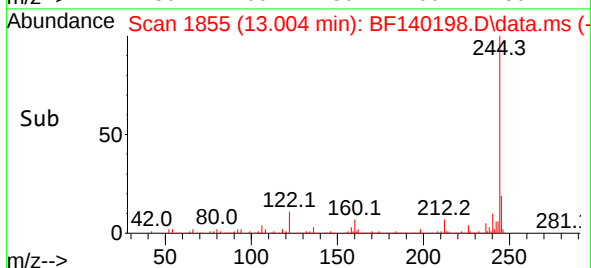
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024

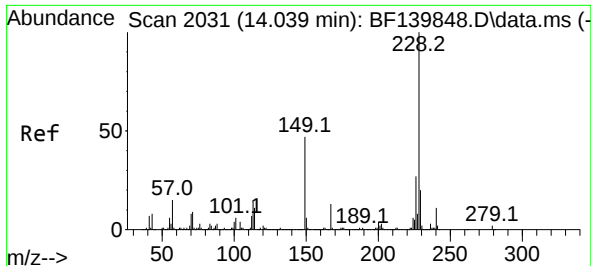


#79
Terphenyl-d14
Concen: 15.793 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13



Tgt Ion:244 Resp: 174641
Ion Ratio Lower Upper
244 100
212 6.8 5.7 8.5
122 10.9 8.6 13.0





#81
Benzo(a)anthracene
Concen: 4.904 ng
RT: 14.057 min Scan# 2031
Delta R.T. 0.018 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

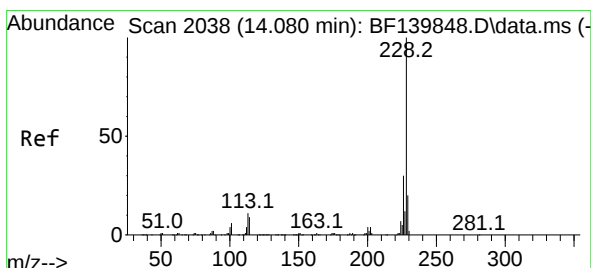
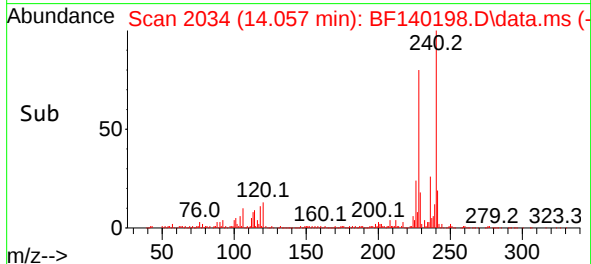
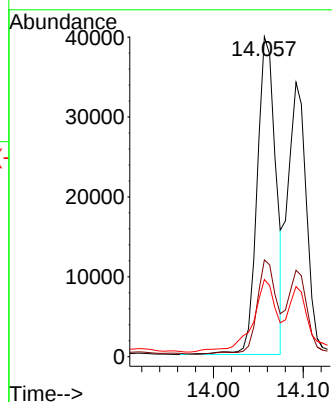
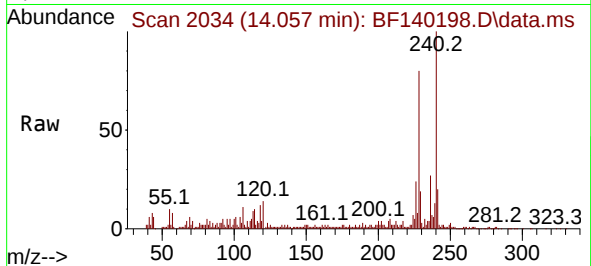
EO-01-103024

Tgt Ion:228 Resp: 5752
Ion Ratio Lower Upper
228 100
226 30.3 21.6 32.4
229 24.1 16.1 24.1

Manual Integrations

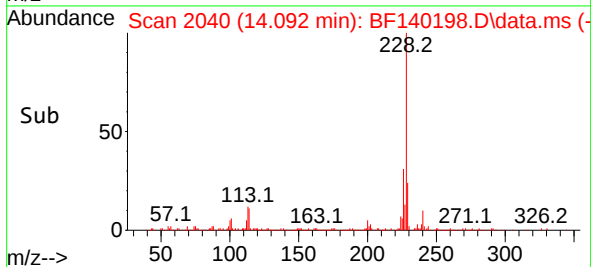
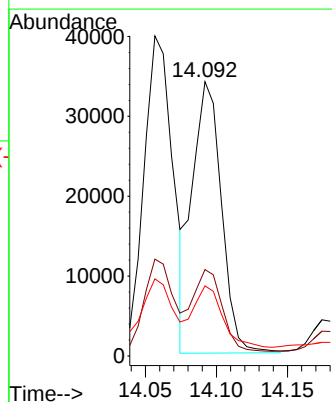
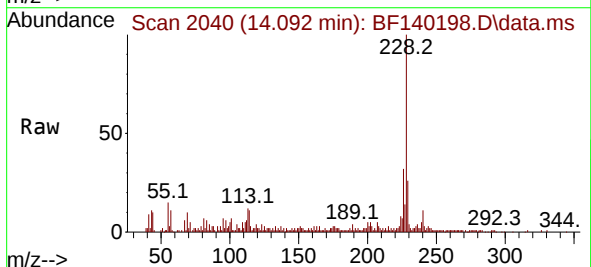
APPROVED

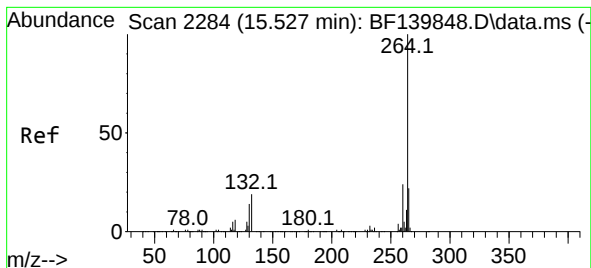
Reviewed By :Yogesh Patel 11/04/2024
Supervised By :mohammad ahmed 11/04/2024



#83
Chrysene
Concen: 4.507 ng
RT: 14.092 min Scan# 2040
Delta R.T. 0.012 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:228 Resp: 48473
Ion Ratio Lower Upper
228 100
226 31.5 24.1 36.1
229 25.6 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

Tgt Ion:264 Resp: 14583

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

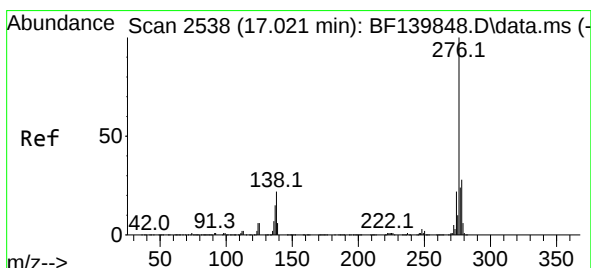
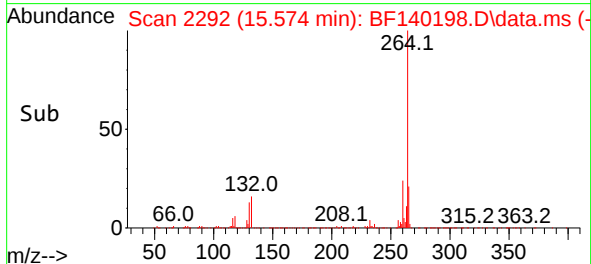
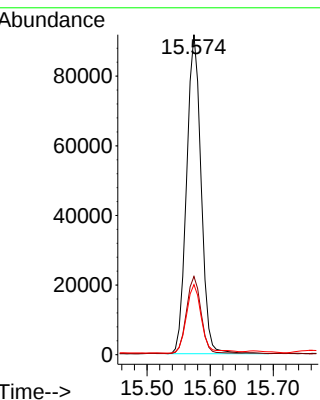
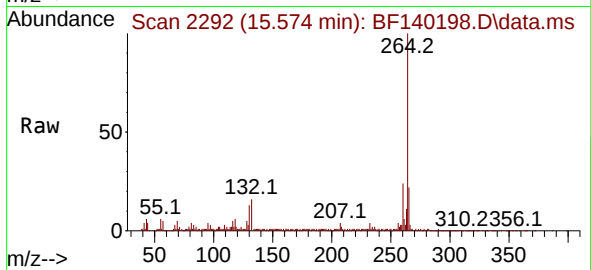
265 21.9 17.4 26.0

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: 2.308 ng

RT: 17.098 min Scan# 2551

Delta R.T. 0.076 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

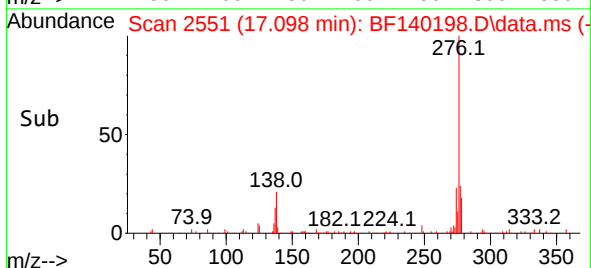
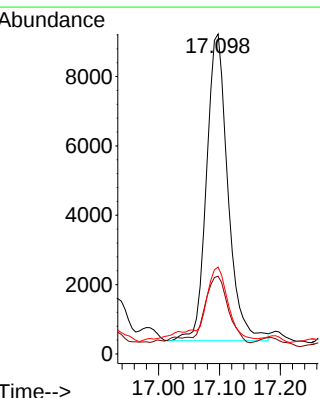
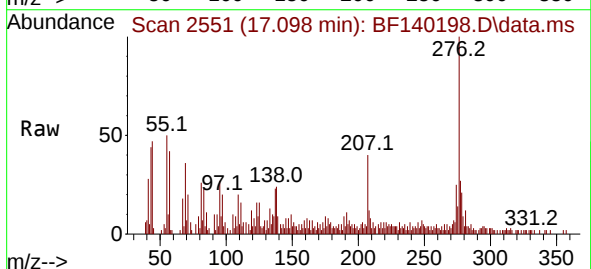
Tgt Ion:276 Resp: 21656

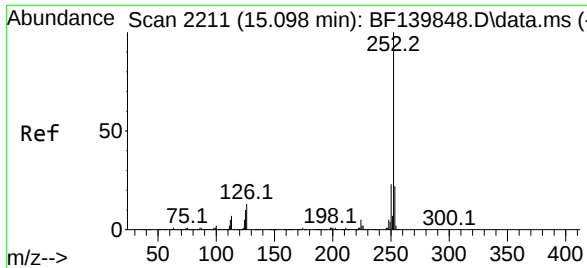
Ion Ratio Lower Upper

276 100

138 22.9 20.4 30.6

277 29.3 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 6.360 ng m
RT: 15.133 min Scan# 211
Delta R.T. 0.035 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

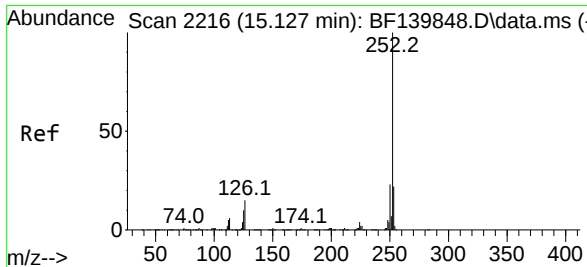
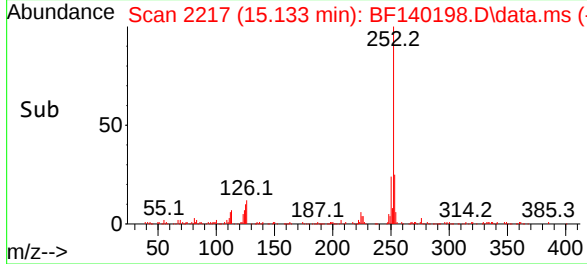
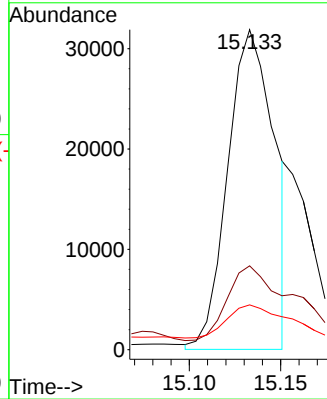
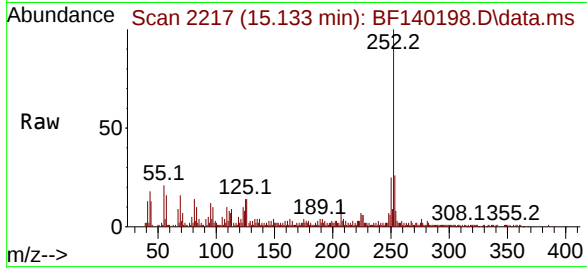
Tgt Ion:252 Resp: 56500
Ion Ratio Lower Upper
252 100
253 26.2 17.6 26.4
125 14.0 7.9 11.9

Manual Integrations

APPROVED

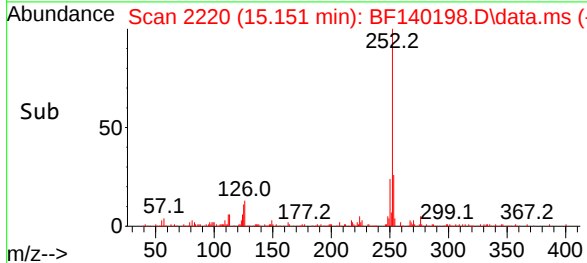
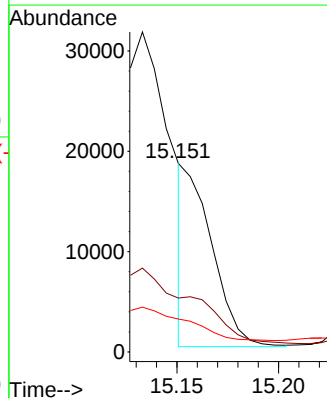
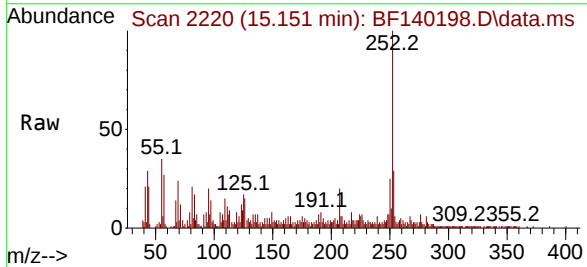
Reviewed By :Yogesh Patel 11/04/2024

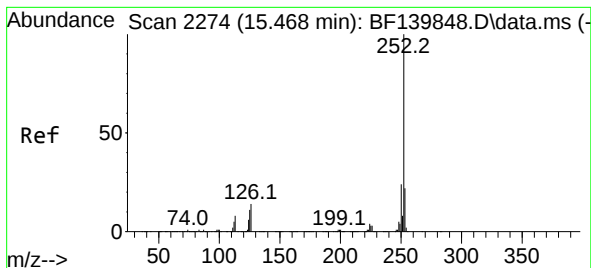
Supervised By :mohammad ahmed 11/04/2024



#89
Benzo(k)fluoranthene
Concen: 2.214 ng m
RT: 15.151 min Scan# 2220
Delta R.T. 0.024 min
Lab File: BF140198.D
Acq: 31 Oct 2024 19:13

Tgt Ion:252 Resp: 16959
Ion Ratio Lower Upper
252 100
253 28.6 17.6 26.4#
125 17.5 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 5.330 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Instrument :

BNA_F

ClientSampleId :

EO-01-103024

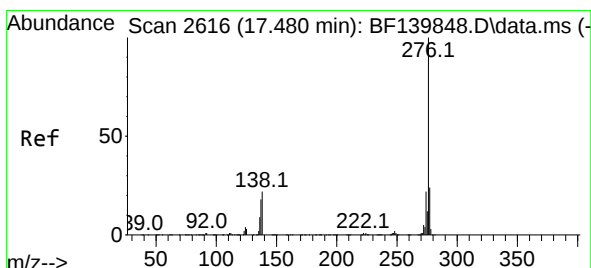
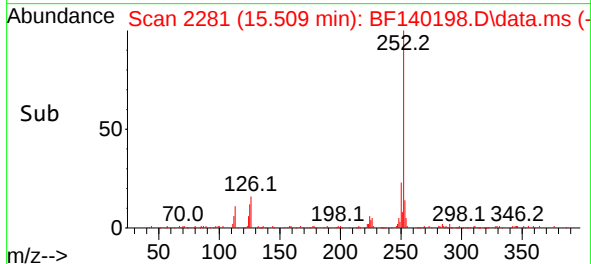
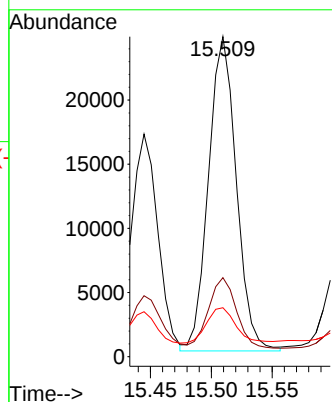
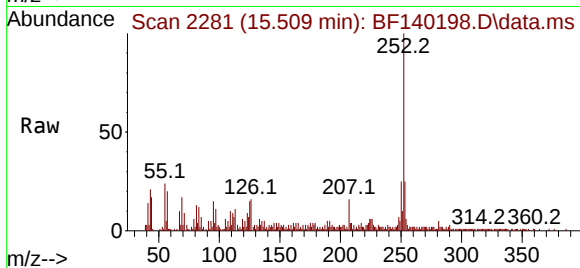
Tgt Ion:	252	Resp:	3896
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.3	25.9
125	15.3	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/04/2024

Supervised By :mohammad ahmed 11/04/2024



#92

Benzo(g,h,i)perylene

Concen: 2.778 ng

RT: 17.556 min Scan# 2629

Delta R.T. 0.077 min

Lab File: BF140198.D

Acq: 31 Oct 2024 19:13

Tgt Ion:	276	Resp:	21716
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.0	28.6
138	25.3	17.4	26.0

