

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138314.D
 Acq On : 24 Jun 2024 17:13
 Operator : CG\JU
 Sample : P2977-23
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OSTL-D5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 24 17:57:22 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	237521	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	871186	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	423924	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	597365	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	545027	20.000	ng	-0.01
86) Perylene-d12	15.515	264	473587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	813413	57.288	ng	-0.01
7) Phenol-d6	6.510	99	1076277	59.778	ng	-0.01
23) Nitrobenzene-d5	7.439	82	634014	42.368	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	247951	58.753	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1319690	49.502	ng	-0.01
79) Terphenyl-d14	12.986	244	1226059	35.629	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	93592	3.168	ng	97
75) Fluoranthene	12.616	202	261100	8.667	ng	97
78) Pyrene	12.845	202	228540	4.861	ng	97
81) Benzo(a)anthracene	14.033	228	141547m	4.048	ng	
83) Chrysene	14.068	228	155698	4.672	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	63225	2.048	ng	94
88) Benzo(b)fluoranthene	15.080	252	196297m	7.029	ng	
89) Benzo(k)fluoranthene	15.110	252	76842m	2.807	ng	
90) Benzo(a)pyrene	15.451	252	115211	4.802	ng	97
92) Benzo(g,h,i)perylene	17.433	276	58807	2.243	ng	98

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

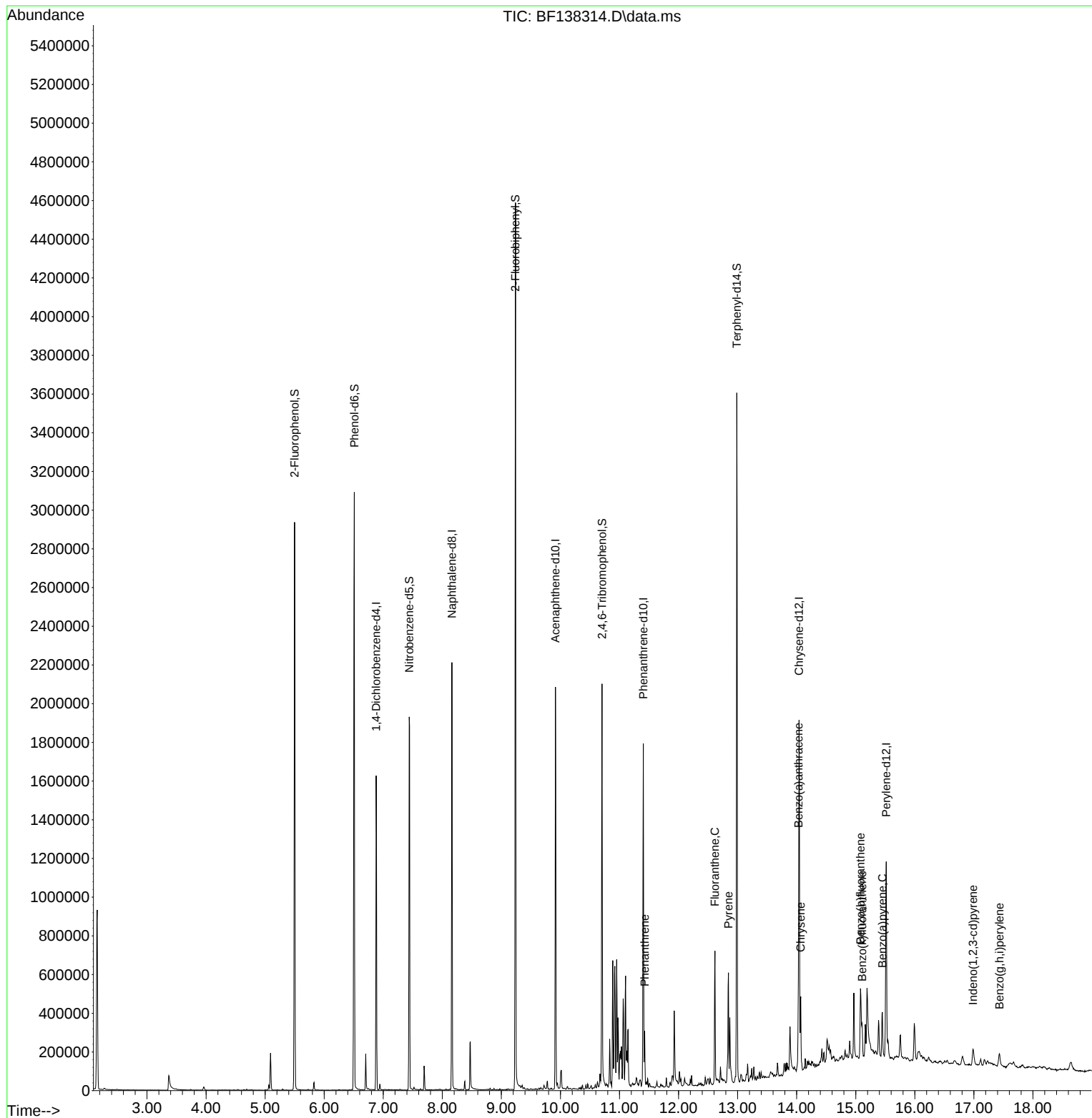
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138314.D
Acq On : 24 Jun 2024 17:13
Operator : CG\JU
Sample : P2977-23
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OSTL-D5

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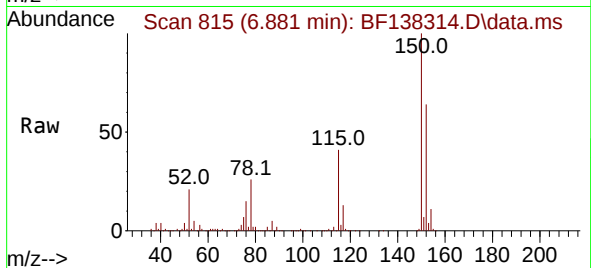
Quant Time: Jun 24 17:57:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

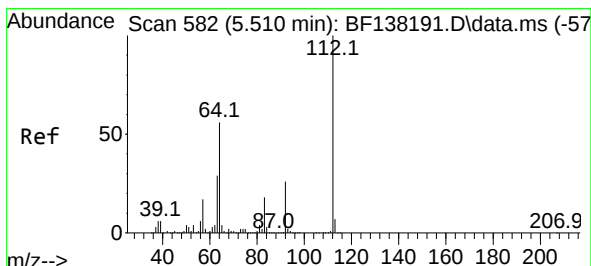
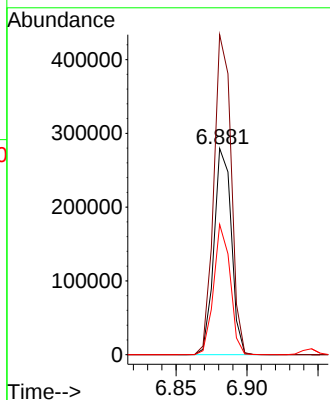
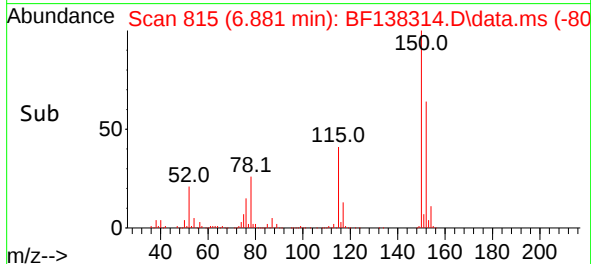
Instrument :
BNA_F
ClientSampleId :
OSTL-D5



Tgt Ion:152 Resp: 23752
Ion Ratio Lower Upper
152 100
150 155.2 125.0 187.4
115 63.2 48.4 72.6

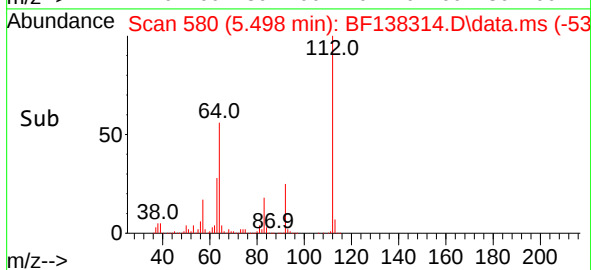
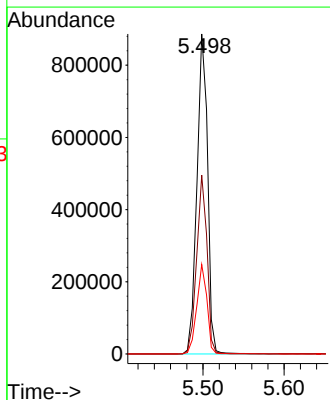
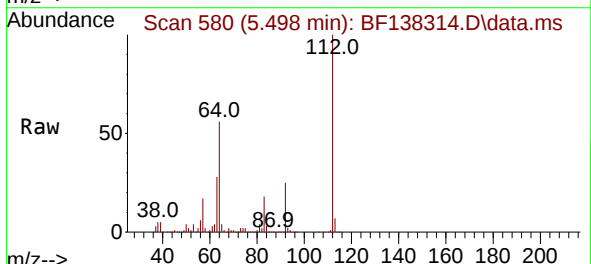
Manual Integrations
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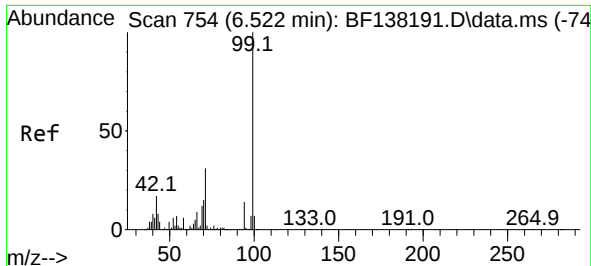
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#5
2-Fluorophenol
Concen: 57.288 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

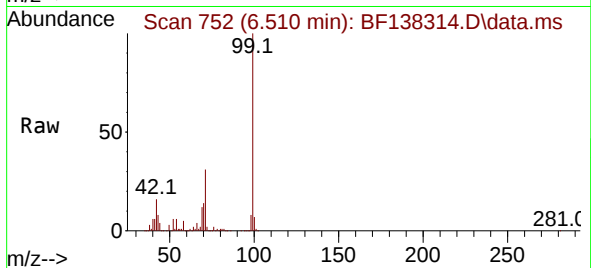
Tgt Ion:112 Resp: 813413
Ion Ratio Lower Upper
112 100
64 55.9 45.2 67.8
63 27.9 22.9 34.3





#7
Phenol-d6
Concen: 59.778 ng
RT: 6.510 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

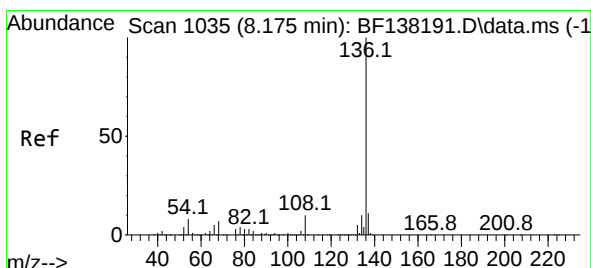
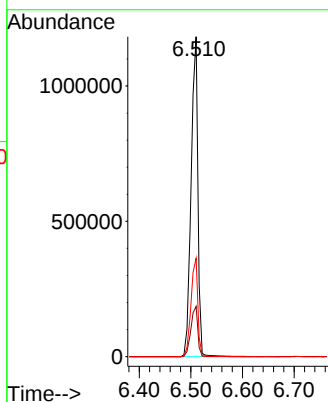
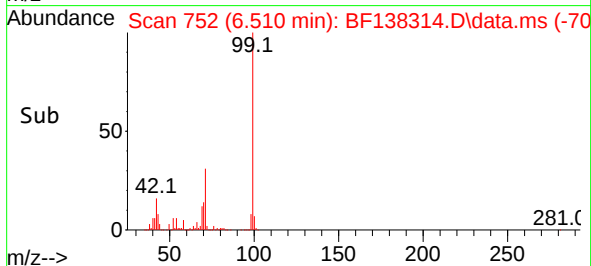
Instrument :
BNA_F
ClientSampleId :
OSTL-D5



Tgt Ion: 99 Resp: 107627
Ion Ratio Lower Upper
99 100
42 15.7 13.7 20.5
71 30.7 25.0 37.6

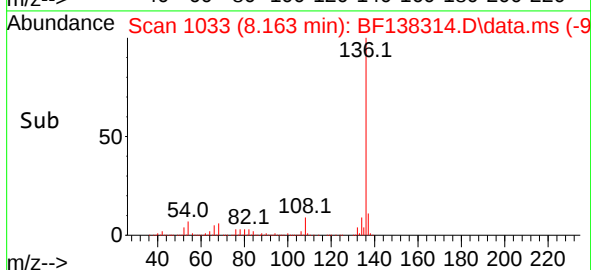
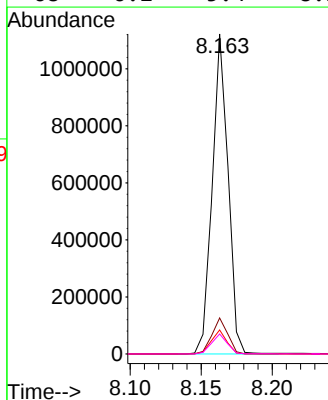
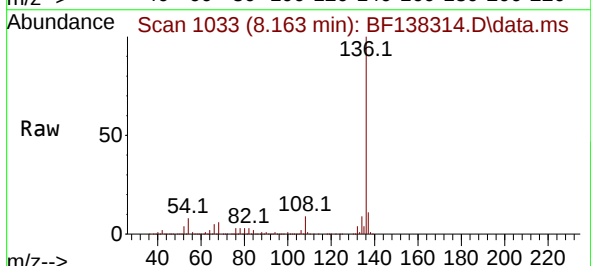
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

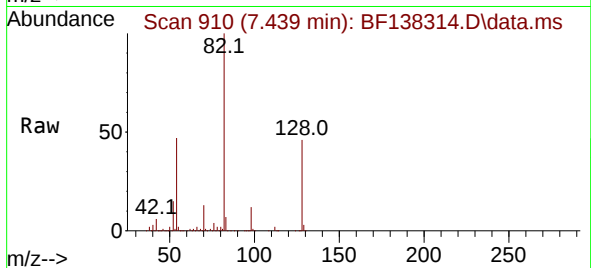
Tgt Ion:136 Resp: 871186
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.5 6.6 10.0
68 6.2 5.4 8.2





#23
Nitrobenzene-d5
Concen: 42.368 ng
RT: 7.439 min Scan# 913
Delta R.T. -0.018 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

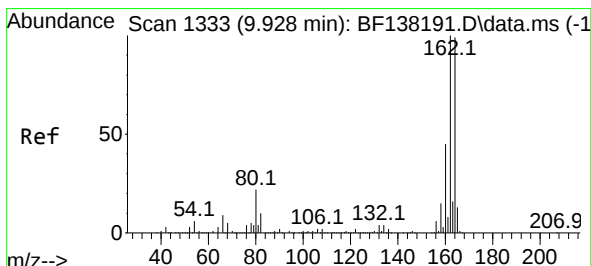
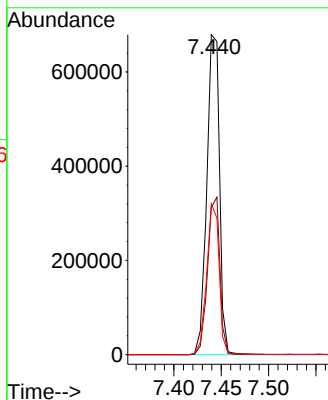
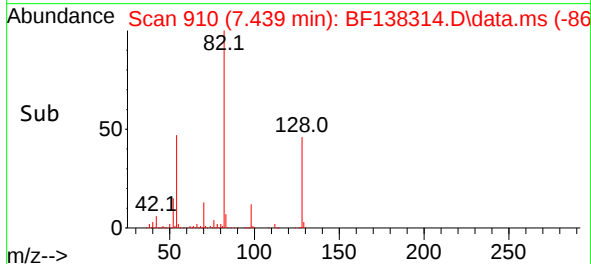
Instrument :
BNA_F
ClientSampleId :
OSTL-D5



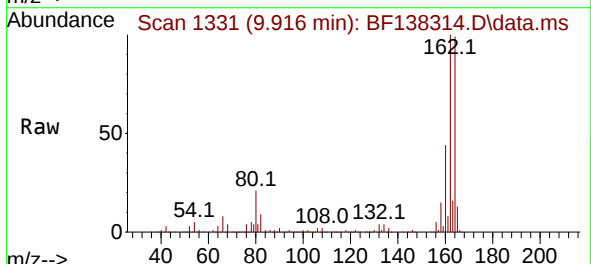
Tgt Ion: 82 Resp: 634014
Ion Ratio Lower Upper
82 100
128 46.0 37.2 55.8
54 47.2 39.8 59.6

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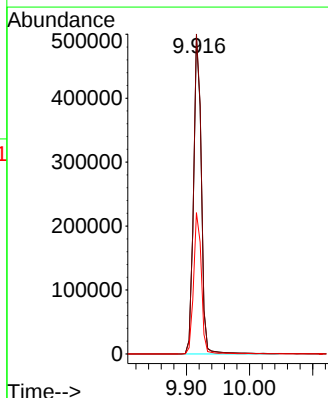
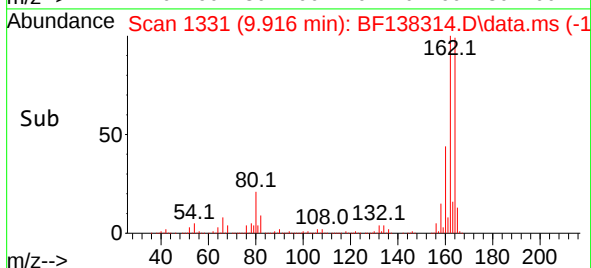
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13



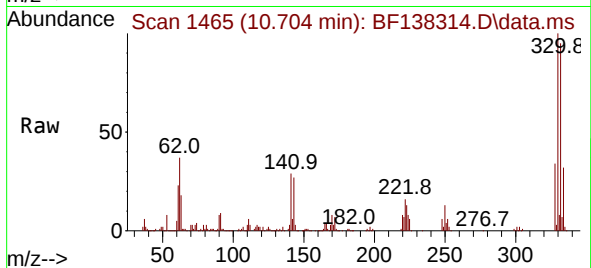
Tgt Ion:164 Resp: 423924
Ion Ratio Lower Upper
164 100
162 100.8 80.6 121.0
160 44.5 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 58.753 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

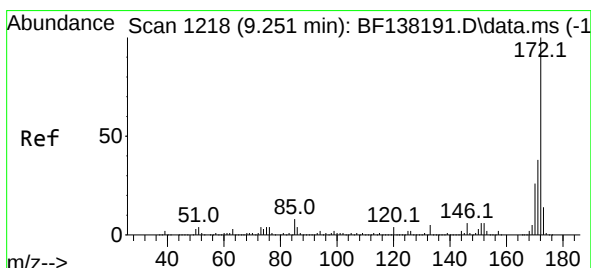
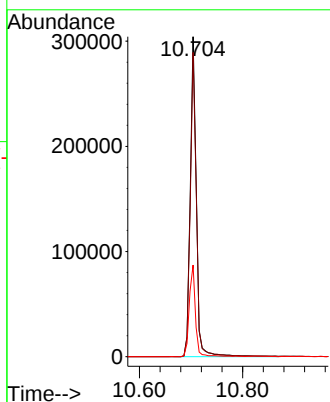
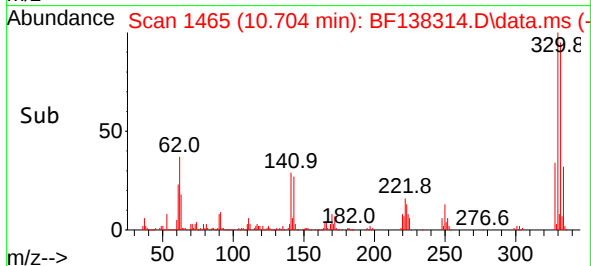
Instrument :
BNA_F
ClientSampleId :
OSTL-D5



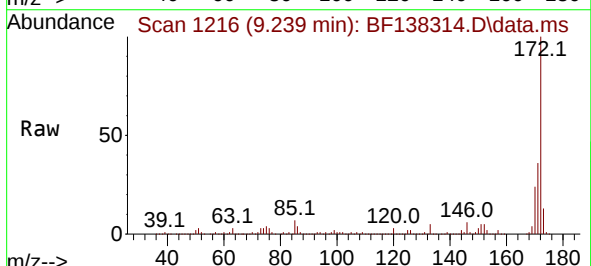
Tgt Ion: 330 Resp: 24795
Ion Ratio Lower Upper
330 100
332 95.6 76.6 115.0
141 29.4 23.9 35.9

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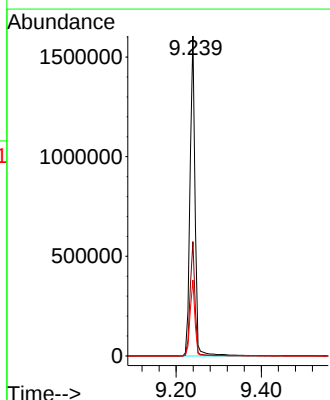
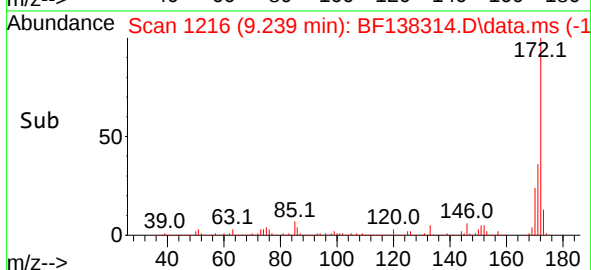
Reviewed By : Yogesh Patel 06/25/2024
Supervised By : mohammad ahmed 06/26/2024



#45
2-Fluorobiphenyl
Concen: 49.502 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13



Tgt Ion: 172 Resp: 1319690
Ion Ratio Lower Upper
172 100
171 35.7 30.3 45.5
170 23.7 20.6 30.8





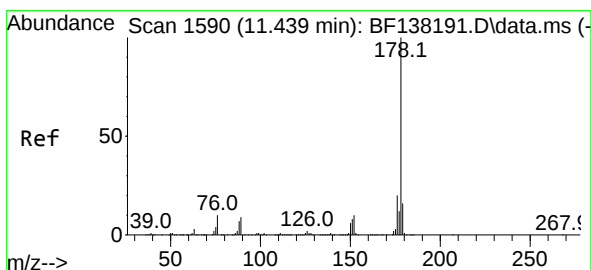
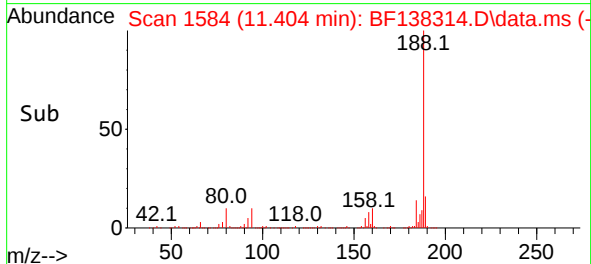
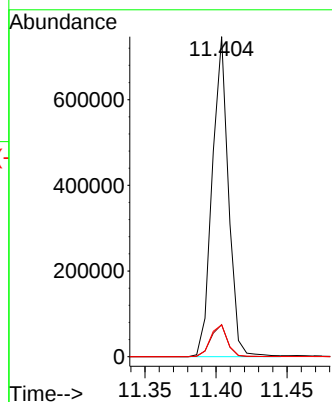
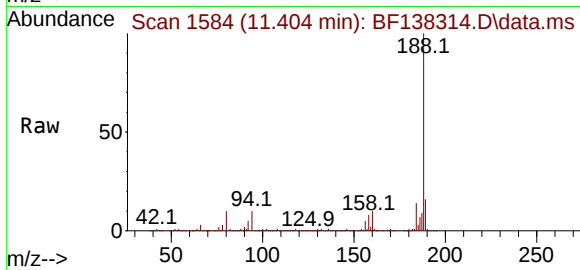
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Instrument :
BNA_F
ClientSampleId :
OSTL-D5

Tgt Ion:188 Resp: 59736
Ion Ratio Lower Upper
188 100
94 10.0 7.6 11.4
80 9.9 8.1 12.1

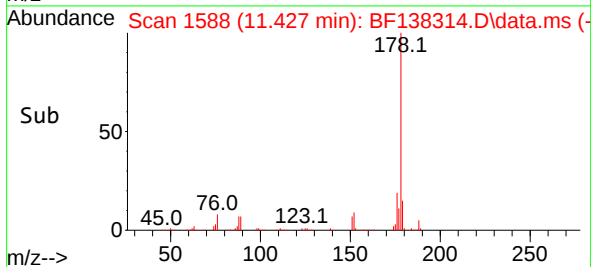
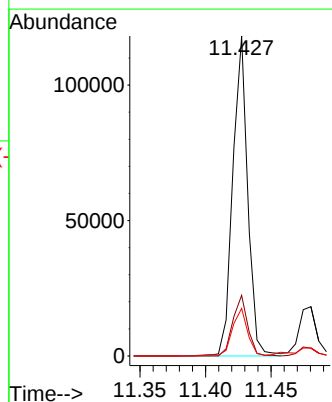
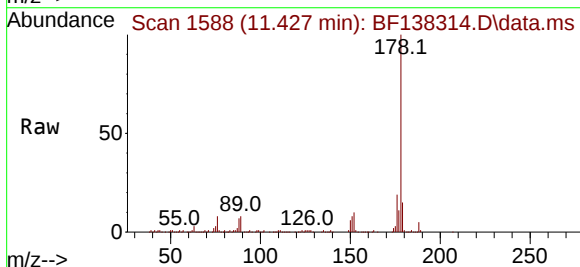
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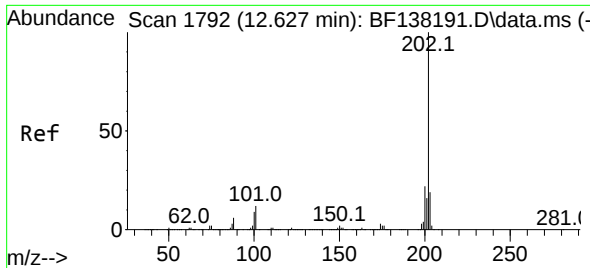
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#71
Phenanthrene
Concen: 3.168 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

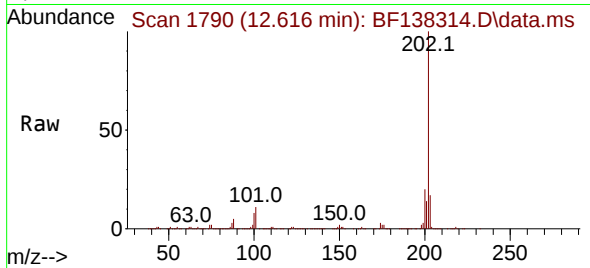
Tgt Ion:178 Resp: 93592
Ion Ratio Lower Upper
178 100
176 18.9 16.4 24.6
179 14.9 13.1 19.7





#75
Fluoranthene
Concen: 8.667 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

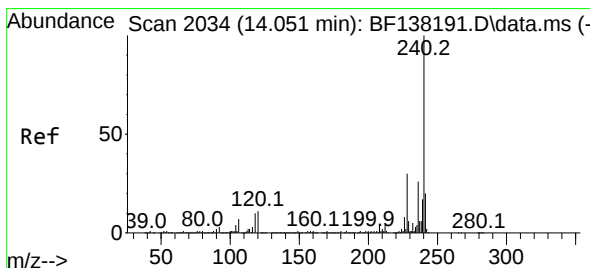
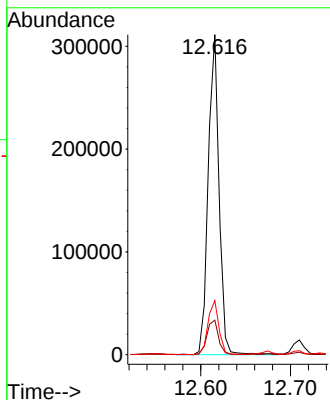
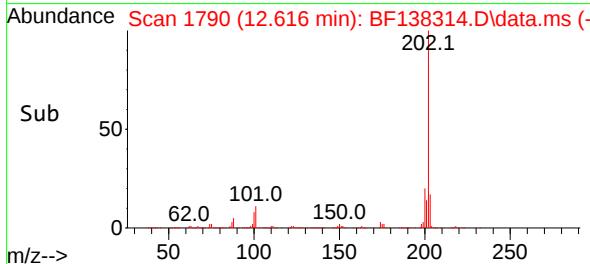
Instrument :
BNA_F
ClientSampleId :
OSTL-D5



Tgt Ion:202 Resp: 261100
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.8
203 16.9 0.0 38.6

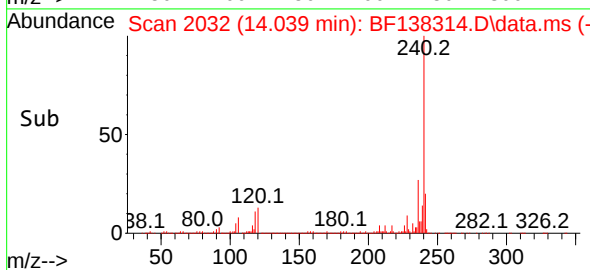
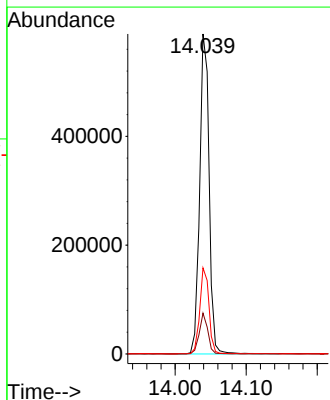
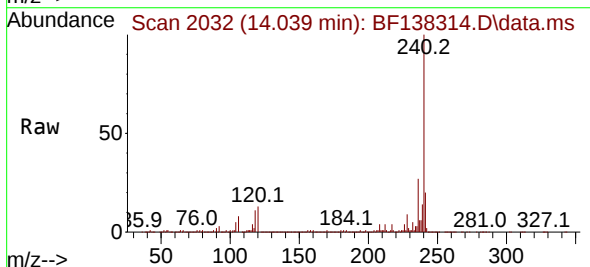
Manual Integrations
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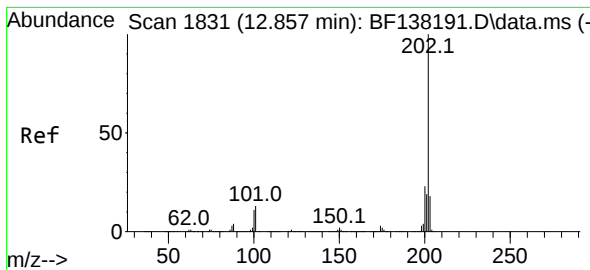
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Tgt Ion:240 Resp: 545027
Ion Ratio Lower Upper
240 100
120 12.8 9.2 13.8
236 26.9 21.0 31.6





#78

Pyrene

Concen: 4.861 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.012 min

Lab File: BF138314.D

Acq: 24 Jun 2024 17:13

Instrument :

BNA_F

ClientSampleId :

OSTL-D5

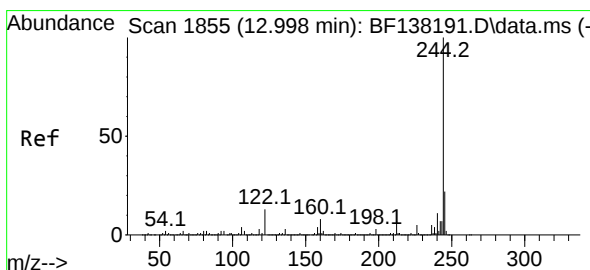
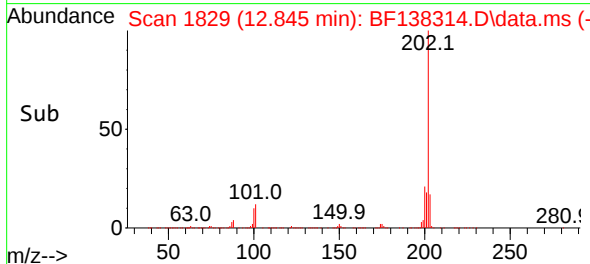
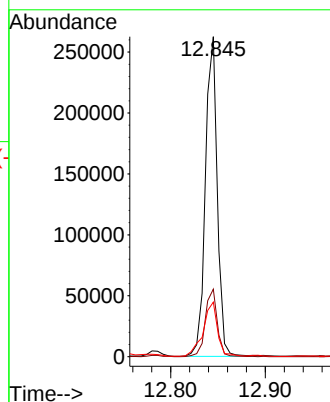
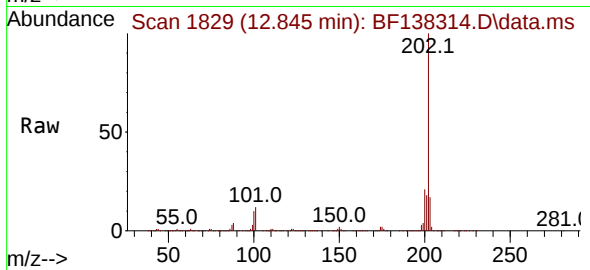
Tgt Ion:202 Resp: 228540
 Ion Ratio Lower Upper
 202 100
 200 21.1 18.0 27.0
 203 17.0 14.7 22.1

Manual Integrations

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Supervised By :mohammad ahmed 06/26/2024



#79

Terphenyl-d14

Concen: 35.629 ng

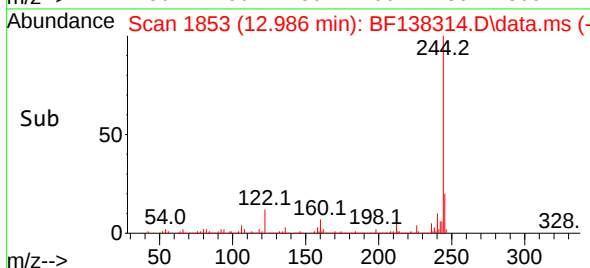
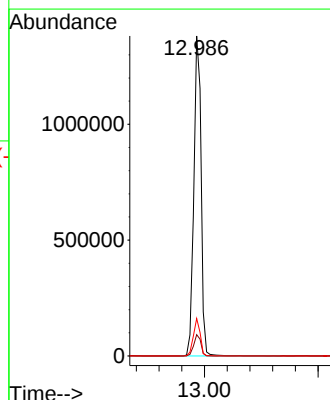
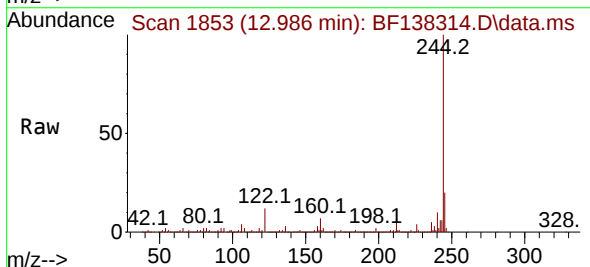
RT: 12.986 min Scan# 1853

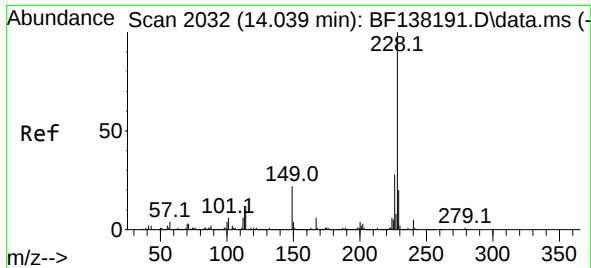
Delta R.T. -0.012 min

Lab File: BF138314.D

Acq: 24 Jun 2024 17:13

Tgt Ion:244 Resp: 1226059
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.9 8.9
 122 11.7 10.6 15.8





#81
Benzo(a)anthracene
Concen: 4.048 ng m
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Instrument :

BNA_F

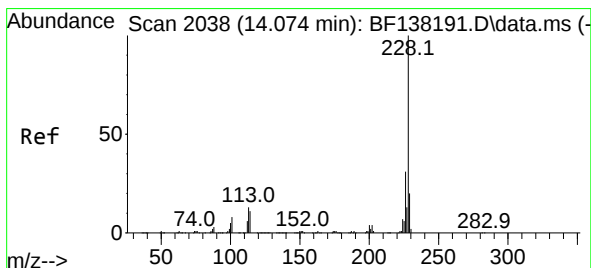
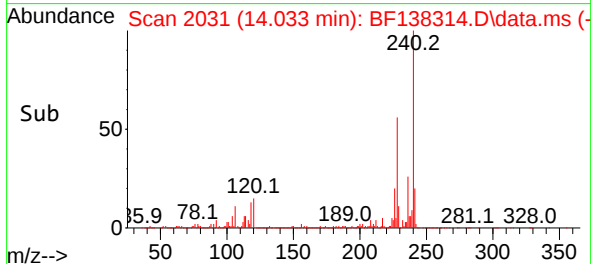
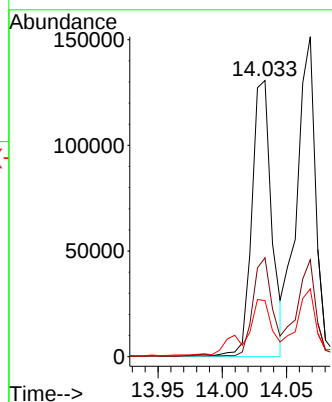
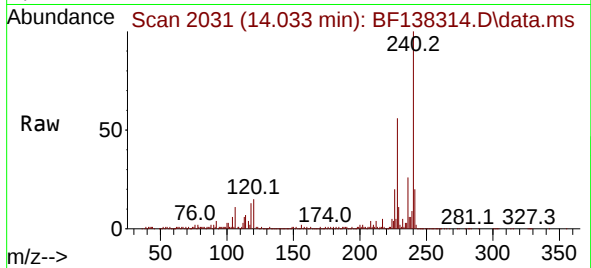
ClientSampleId :

OSTL-D5

Tgt Ion:228 Resp: 14154
Ion Ratio Lower Upper
228 100
226 35.8 22.5 33.7
229 20.3 16.3 24.5

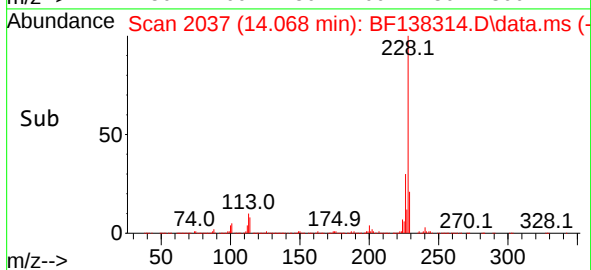
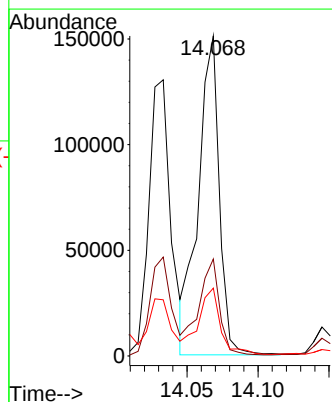
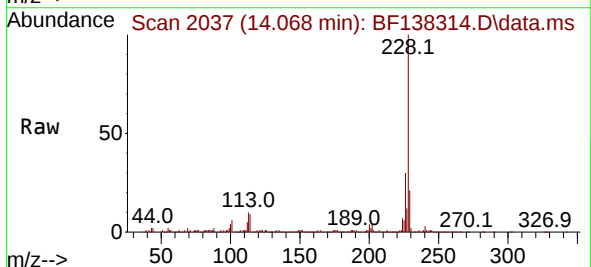
Manual Integrations
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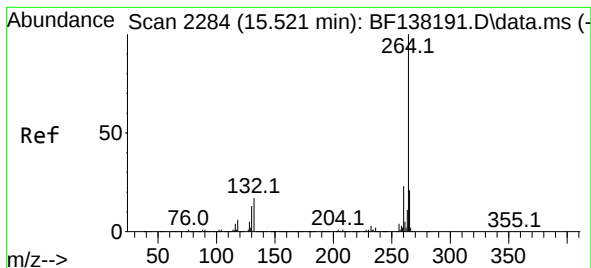
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#83
Chrysene
Concen: 4.672 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Tgt Ion:228 Resp: 155698
Ion Ratio Lower Upper
228 100
226 30.3 24.5 36.7
229 21.2 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138314.D

Acq: 24 Jun 2024 17:13

Instrument :

BNA_F

ClientSampleId :

OSTL-D5

Tgt Ion:264 Resp: 47358

Ion Ratio Lower Upper

264 100

260 24.4 18.7 28.1

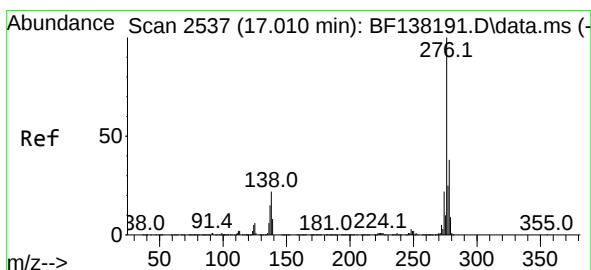
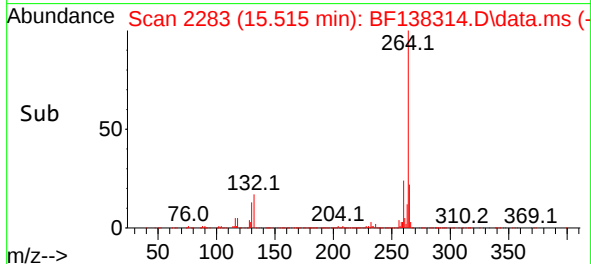
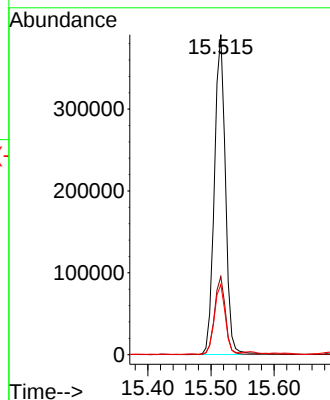
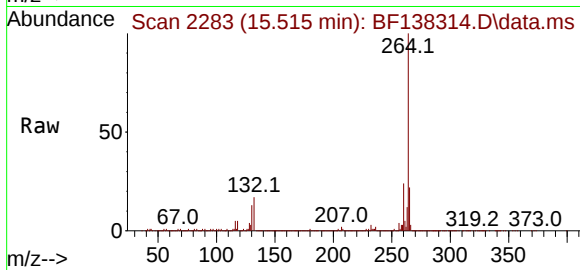
265 21.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.048 ng

RT: 16.986 min Scan# 2533

Delta R.T. -0.024 min

Lab File: BF138314.D

Acq: 24 Jun 2024 17:13

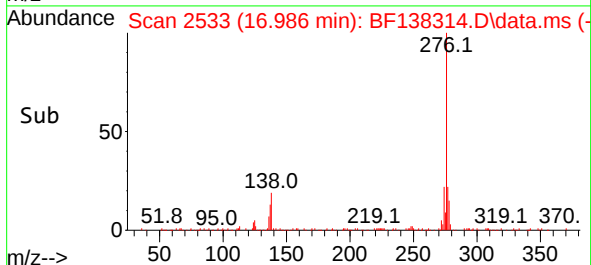
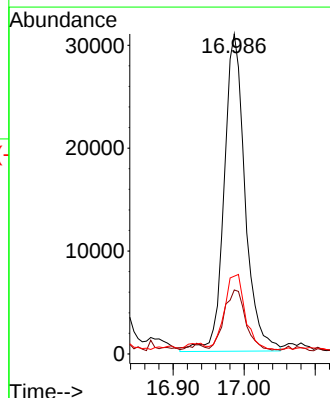
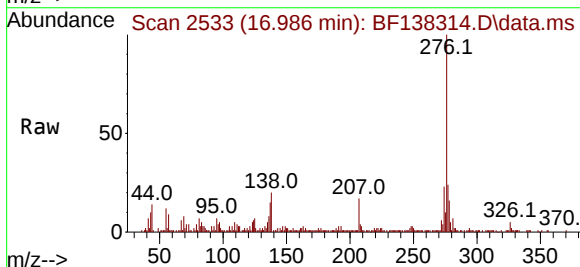
Tgt Ion:276 Resp: 63225

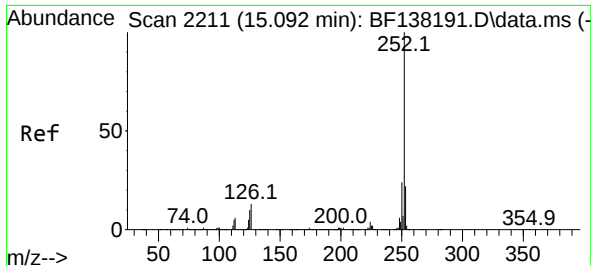
Ion Ratio Lower Upper

276 100

138 19.5 19.3 28.9

277 23.4 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 7.029 ng m
RT: 15.080 min Scan# 2114
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Instrument :

BNA_F

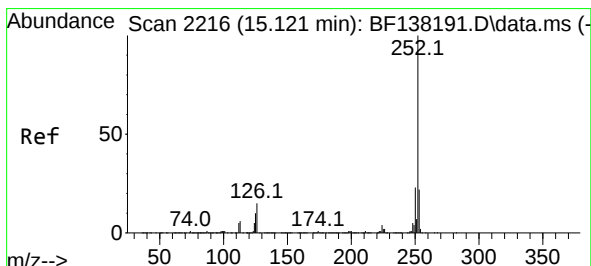
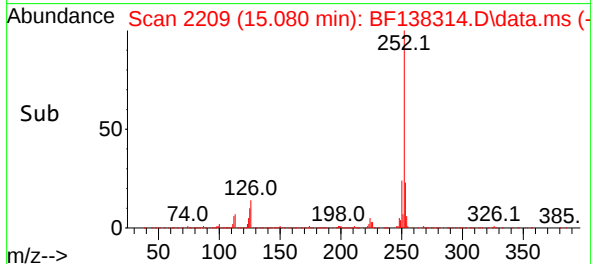
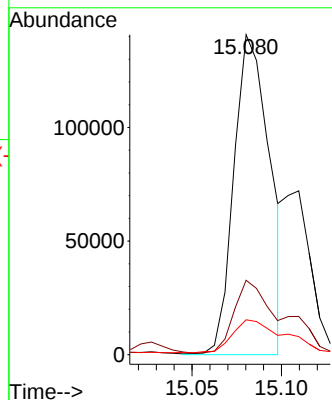
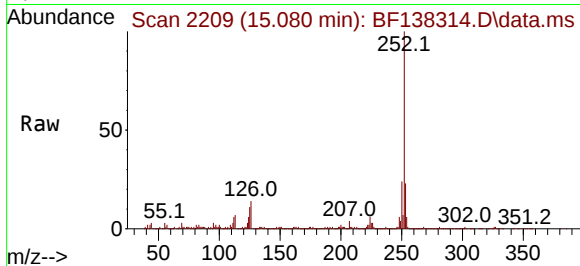
ClientSampleId :

OSTL-D5

Tgt Ion:252 Resp: 19629
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 10.9 7.8 11.8

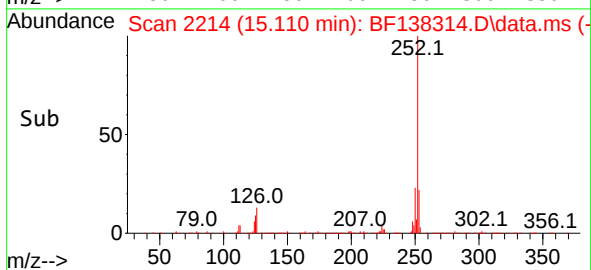
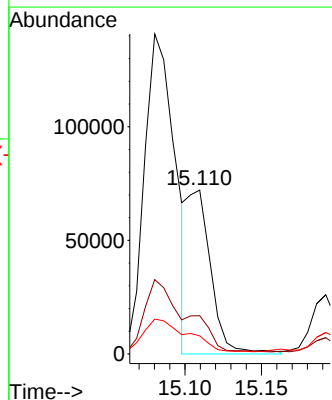
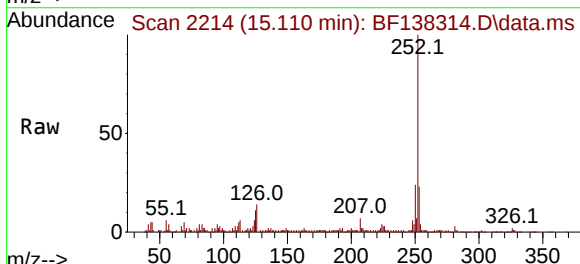
Manual Integrations
APPROVED

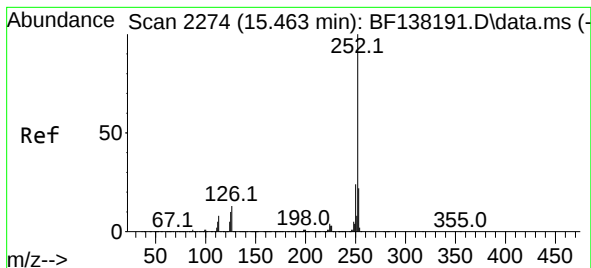
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#89
Benzo(k)fluoranthene
Concen: 2.807 ng m
RT: 15.110 min Scan# 2214
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Tgt Ion:252 Resp: 76842
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.0 8.0 12.0





#90
Benzo(a)pyrene
Concen: 4.802 ng
RT: 15.451 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Instrument :

BNA_F

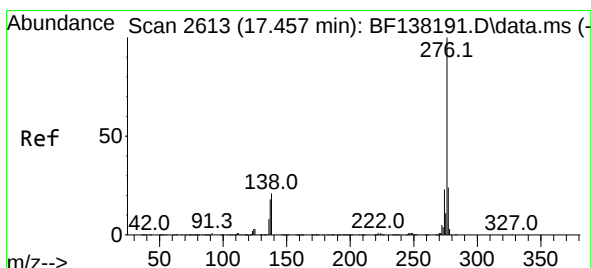
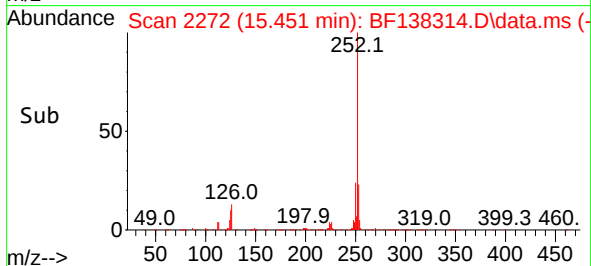
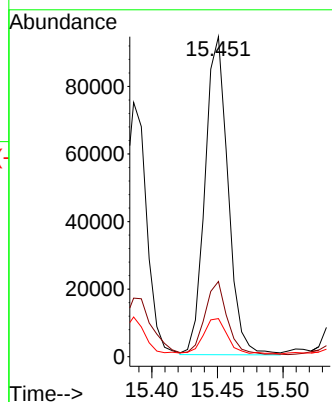
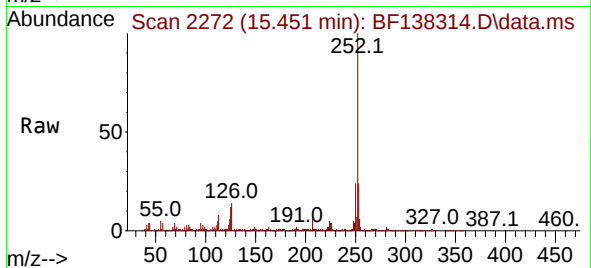
ClientSampleId :

OSTL-D5

Tgt Ion:252 Resp: 11521
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 11.9 8.2 12.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#92
Benzo(g,h,i)perylene
Concen: 2.243 ng
RT: 17.433 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF138314.D
Acq: 24 Jun 2024 17:13

Tgt Ion:276 Resp: 58807
Ion Ratio Lower Upper
276 100
277 26.0 19.5 29.3
138 21.2 16.6 24.8

