

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138312.D
 Acq On : 24 Jun 2024 16:13
 Operator : CG\JU
 Sample : P2847-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BKG-3

Manual Integrations
 APPROVED

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

Quant Time: Jun 24 16:40:10 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	264774	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	980945	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	446790	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	597949	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	485399	20.000	ng	0.00
86) Perylene-d12	15.515	264	428447	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1231461	77.803	ng	0.00
7) Phenol-d6	6.510	99	1583558	78.900	ng	-0.01
23) Nitrobenzene-d5	7.445	82	955211	56.689	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	305202	68.617	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1874741	66.723	ng	-0.01
79) Terphenyl-d14	12.992	244	1343689	43.844	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	287155	9.711	ng	96
75) Fluoranthene	12.616	202	721143	23.915	ng	98
78) Pyrene	12.845	202	631625	15.086	ng	98
81) Benzo(a)anthracene	14.033	228	374088	12.013	ng	99
83) Chrysene	14.068	228	429569	14.472	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	155707	5.575	ng	96
88) Benzo(b)fluoranthene	15.086	252	561410m	22.220	ng	
89) Benzo(k)fluoranthene	15.109	252	157598m	6.365	ng	
90) Benzo(a)pyrene	15.451	252	310755	14.317	ng	# 97
92) Benzo(g,h,i)perylene	17.433	276	153434	6.469	ng	99

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

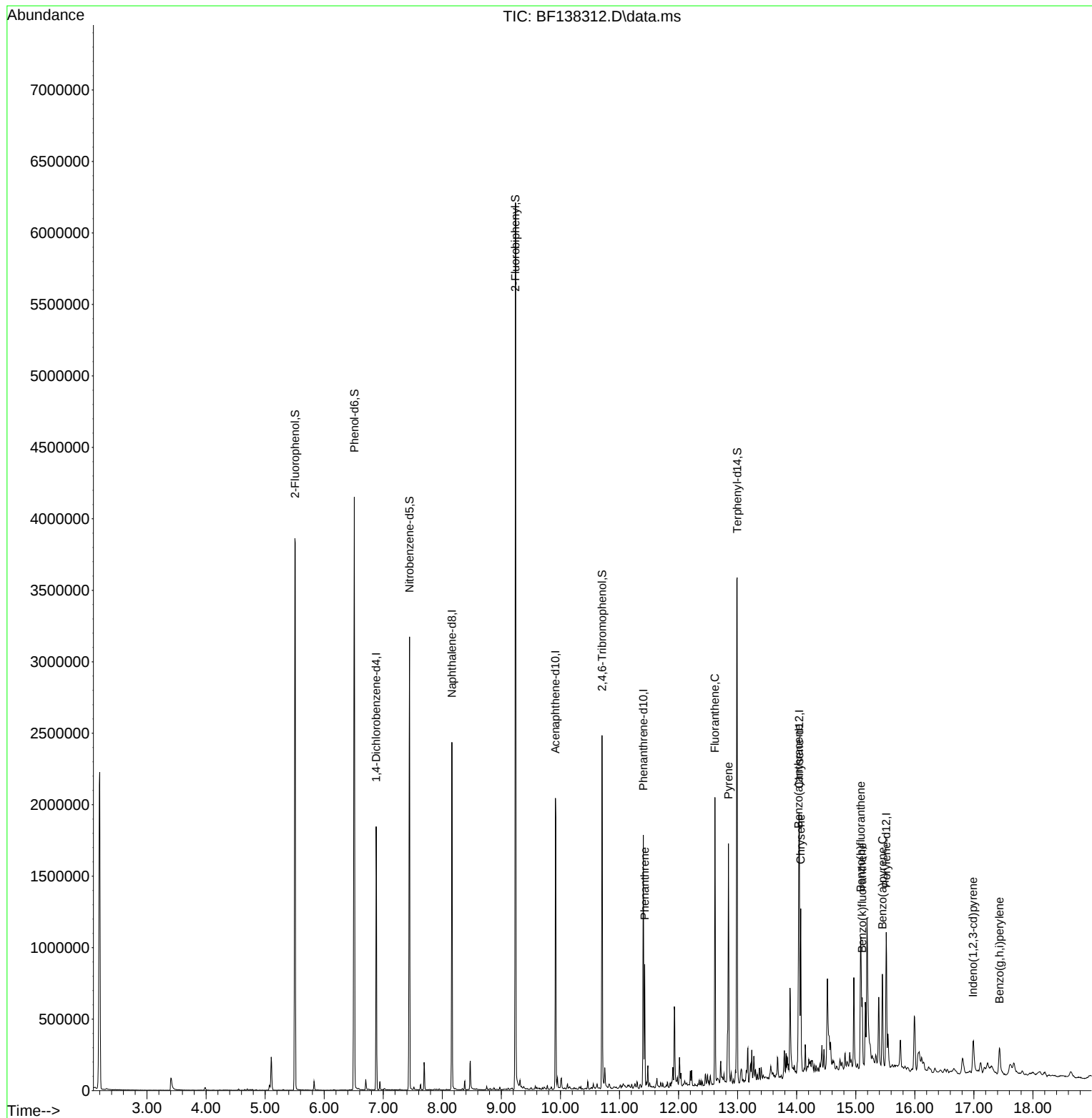
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138312.D
Acq On : 24 Jun 2024 16:13
Operator : CG\JU
Sample : P2847-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

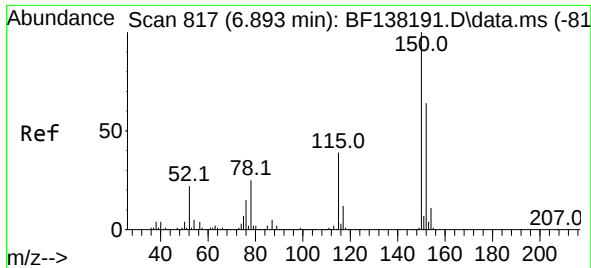
Instrument :
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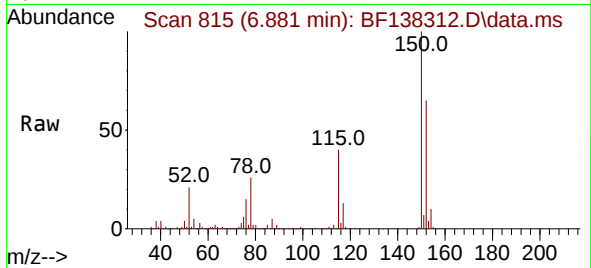
Quant Time: Jun 24 16:40:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 815
 Delta R.T. -0.012 min
 Lab File: BF138312.D
 Acq: 24 Jun 2024 16:13

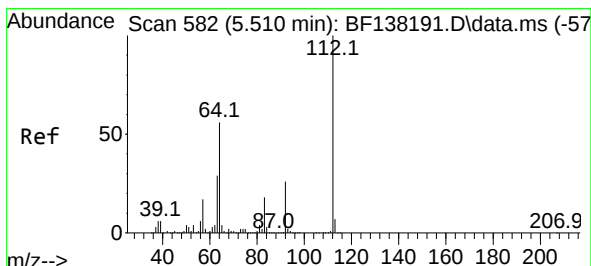
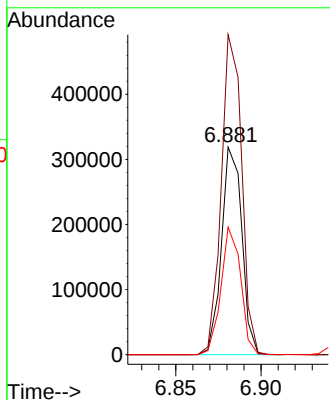
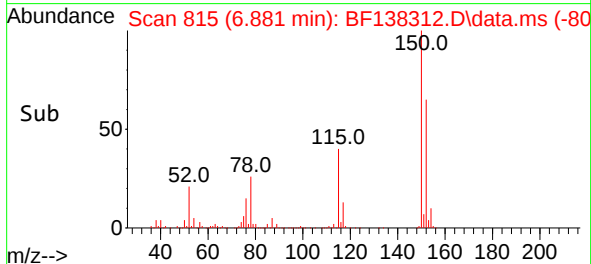
Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:152 Resp: 264774
 Ion Ratio Lower Upper
 152 100
 150 154.2 125.0 187.4
 115 61.4 48.4 72.6

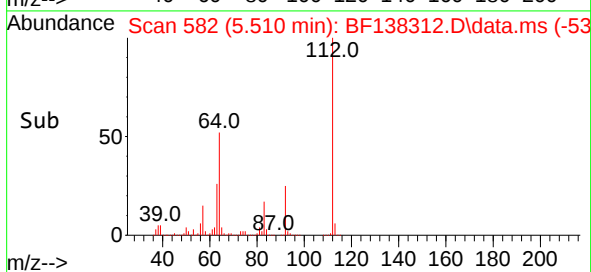
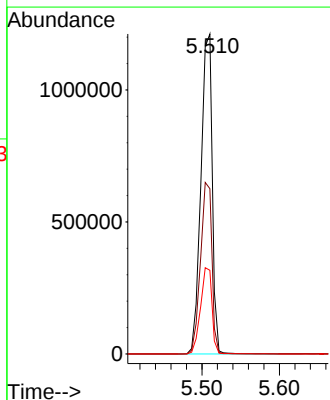
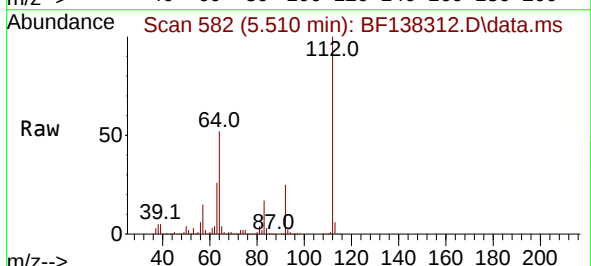
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#5
 2-Fluorophenol
 Concen: 77.803 ng
 RT: 5.510 min Scan# 582
 Delta R.T. -0.000 min
 Lab File: BF138312.D
 Acq: 24 Jun 2024 16:13

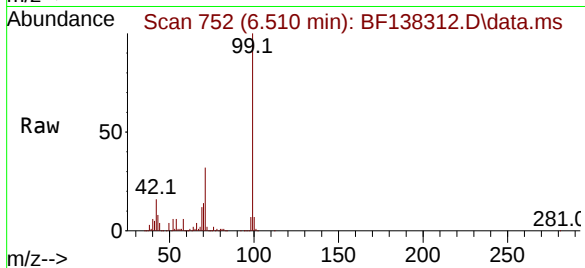
Tgt Ion:112 Resp: 1231461
 Ion Ratio Lower Upper
 112 100
 64 51.6 45.2 67.8
 63 26.1 22.9 34.3





#7
Phenol-d6
Concen: 78.900 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

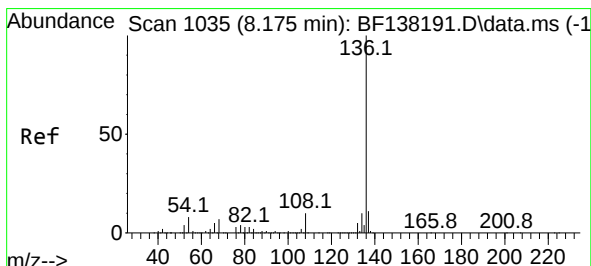
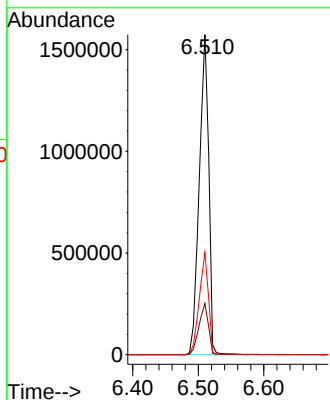
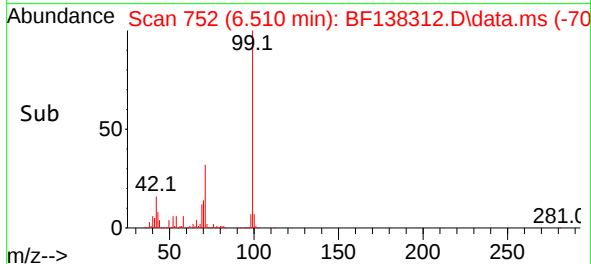
Instrument :
BNA_F
ClientSampleId :
BKG-3



Tgt Ion: 99 Resp: 1583558
Ion Ratio Lower Upper
99 100
42 16.0 13.7 20.5
71 31.9 25.0 37.6

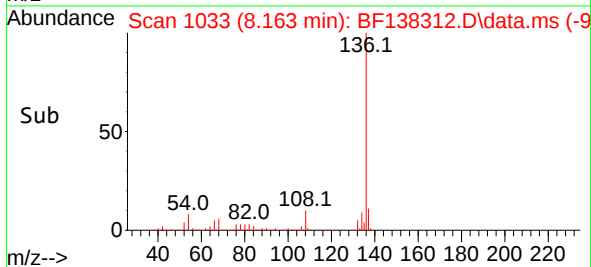
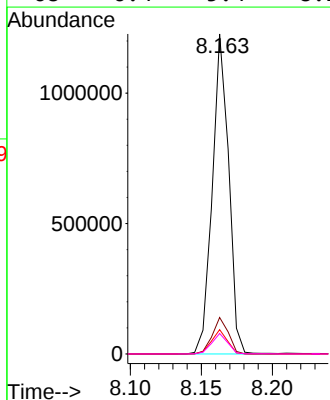
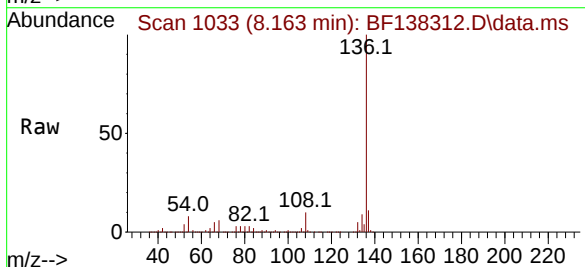
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Supervised By :mohammad ahmed 06/26/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:136 Resp: 980945
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.6 6.6 10.0
68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 56.689 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.012 min

Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

BKG-3

Tgt Ion: 82 Resp: 95521

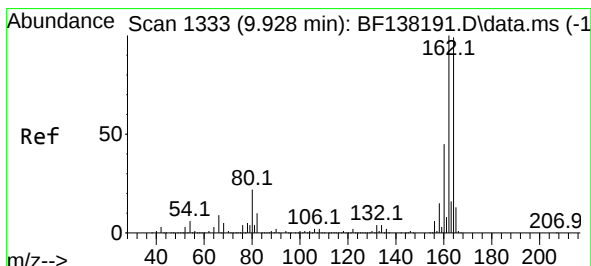
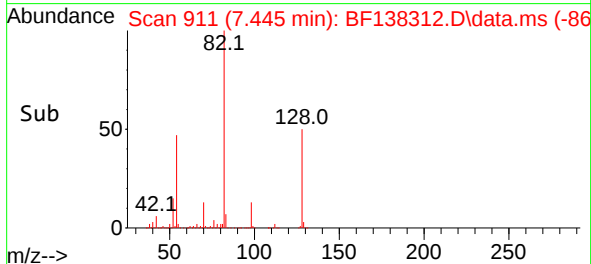
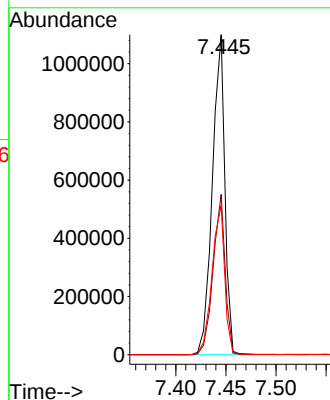
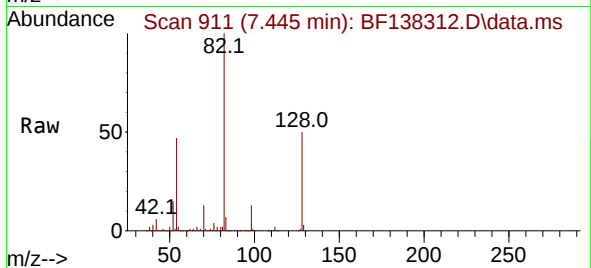
Ion	Ratio	Lower	Upper
82	100		
128	50.1	37.2	55.8
54	46.6	39.8	59.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1331

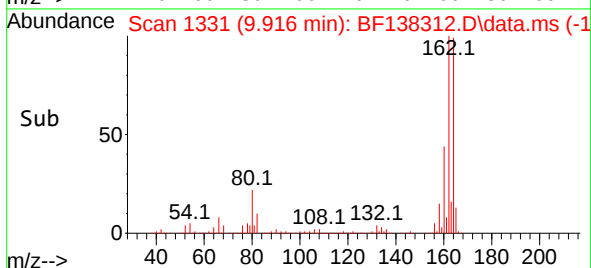
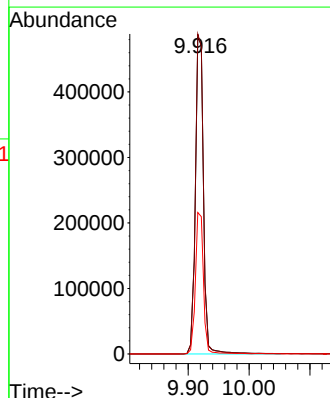
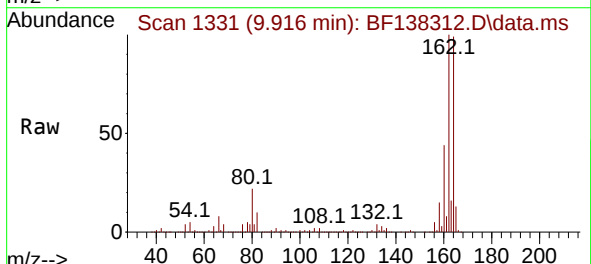
Delta R.T. -0.012 min

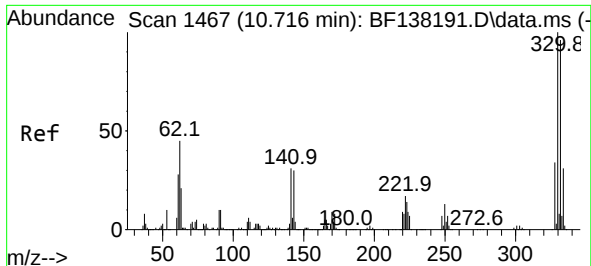
Lab File: BF138312.D

Acq: 24 Jun 2024 16:13

Tgt Ion:164 Resp: 446790

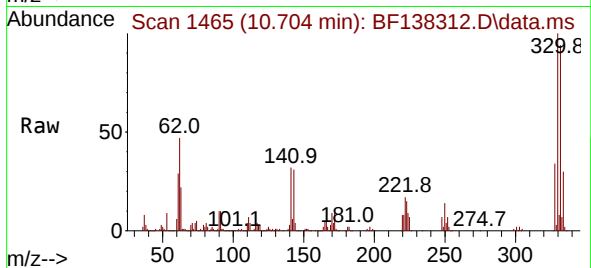
Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	44.6	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 68.617 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

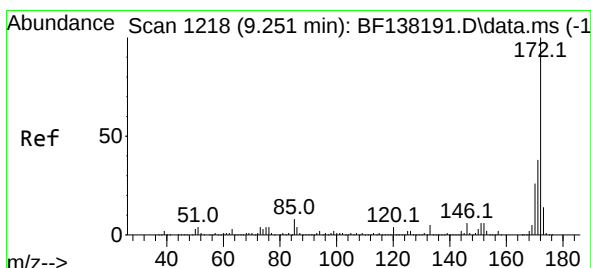
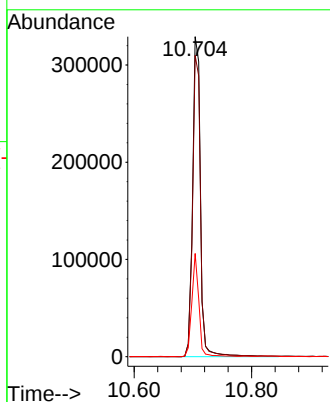
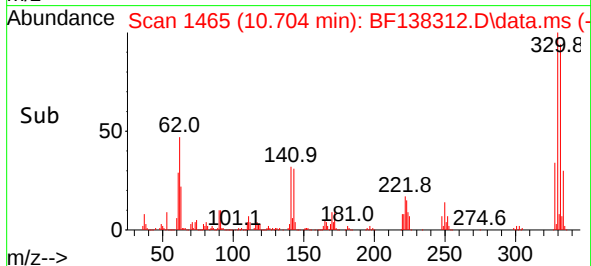
Instrument :
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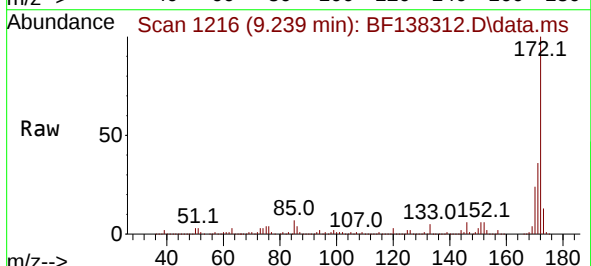
Tgt Ion: 330 Resp: 30520
Ion Ratio Lower Upper
330 100
332 95.5 76.6 115.0
141 29.0 23.9 35.9

Manual Integrations
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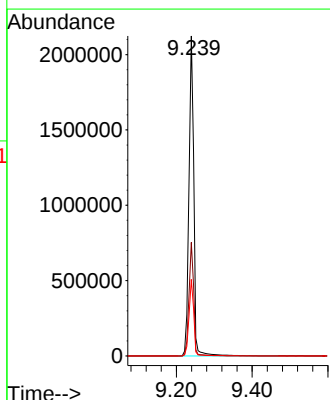
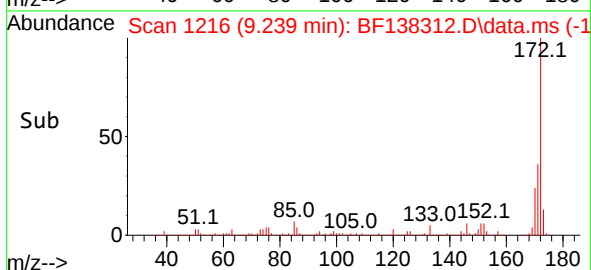
Reviewed By : Yogesh Patel 06/25/2024
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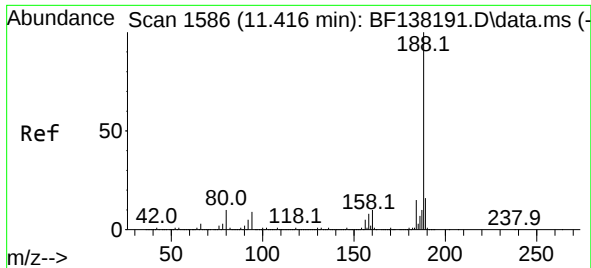


#45
2-Fluorobiphenyl
Concen: 66.723 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13



Tgt Ion: 172 Resp: 1874741
Ion Ratio Lower Upper
172 100
171 35.5 30.3 45.5
170 23.9 20.6 30.8





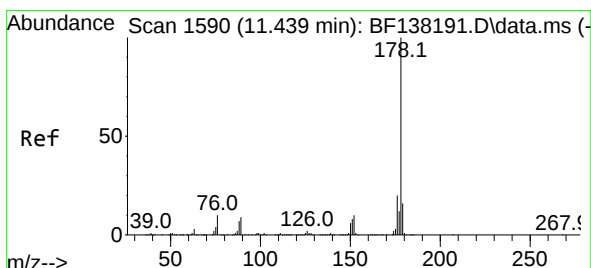
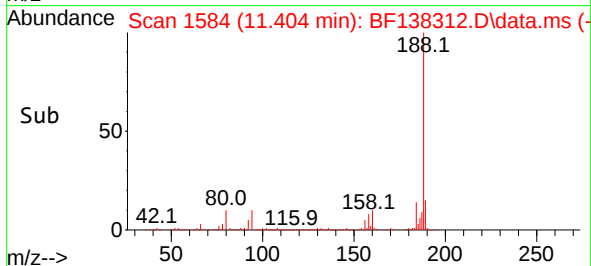
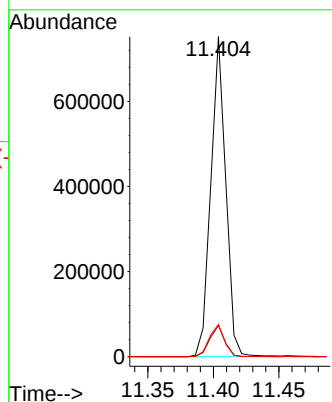
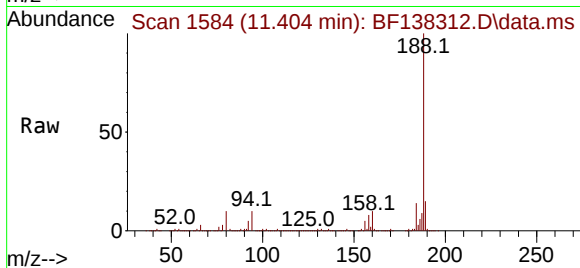
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Instrument :
BNA_F
ClientSampleId :
BKG-3

Tgt Ion:188 Resp: 597949
Ion Ratio Lower Upper
188 100
94 9.7 7.6 11.4
80 10.1 8.1 12.1

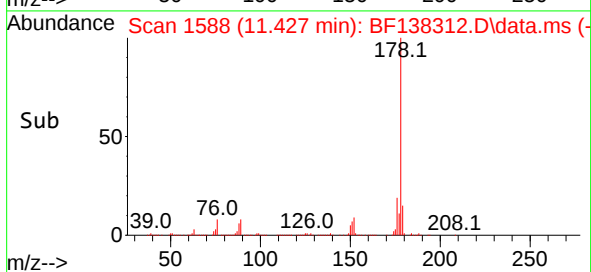
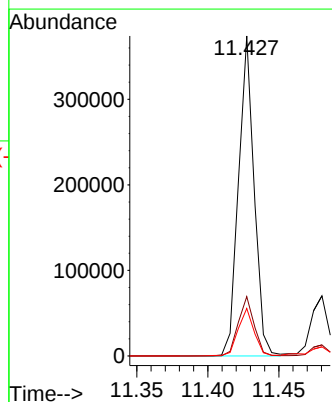
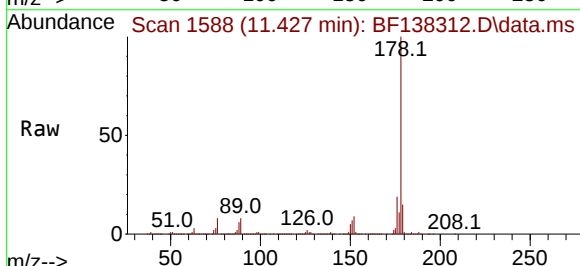
Manual Integrations
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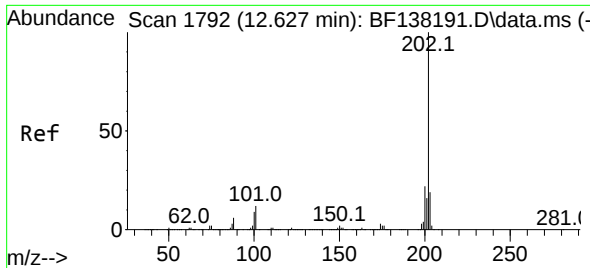
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#71
Phenanthrene
Concen: 9.711 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

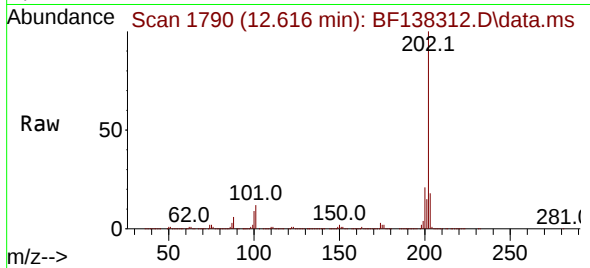
Tgt Ion:178 Resp: 287155
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 14.9 13.1 19.7





#75
Fluoranthene
Concen: 23.915 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

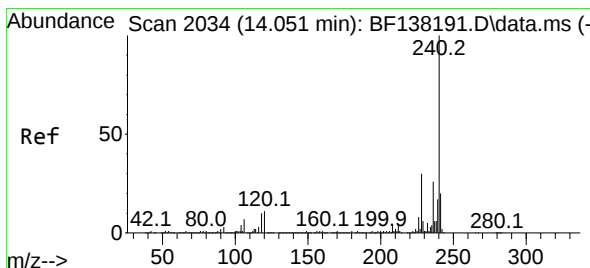
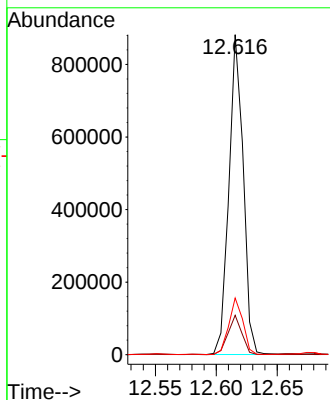
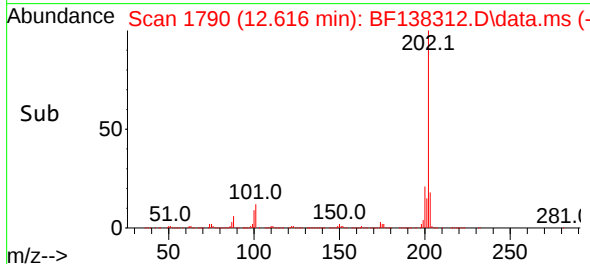
Instrument :
BNA_F
ClientSampleId :
BKG-3



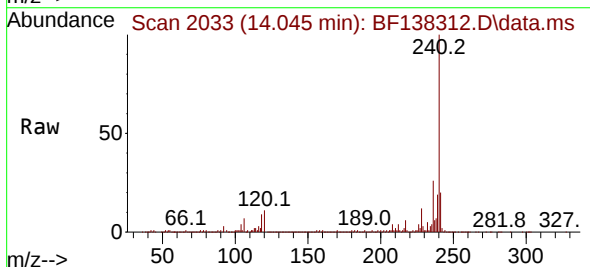
Tgt Ion:202 Resp: 72114
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.8
203 17.7 0.0 38.6

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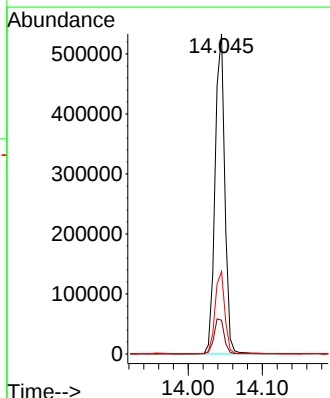
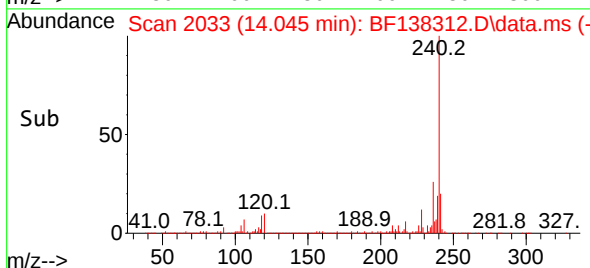
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

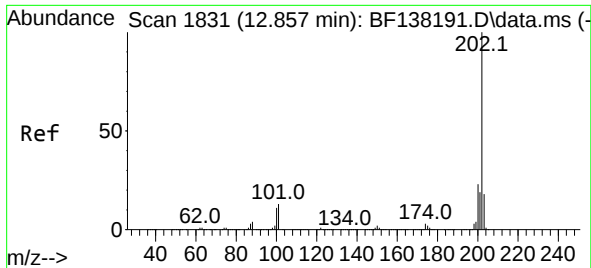


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13



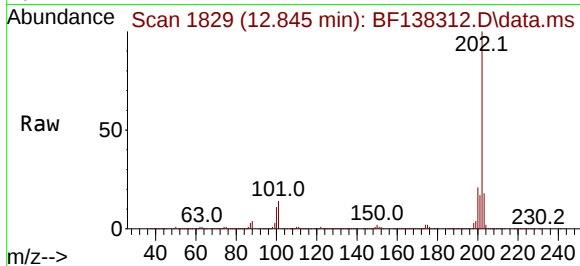
Tgt Ion:240 Resp: 485399
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 25.7 21.0 31.6





#78
Pyrene
Concen: 15.086 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

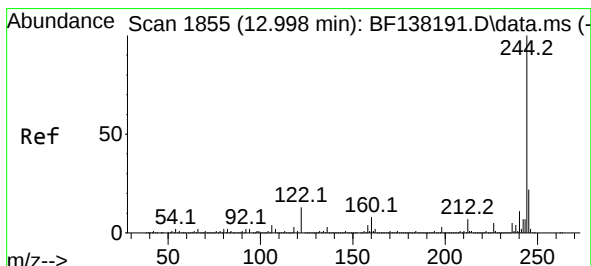
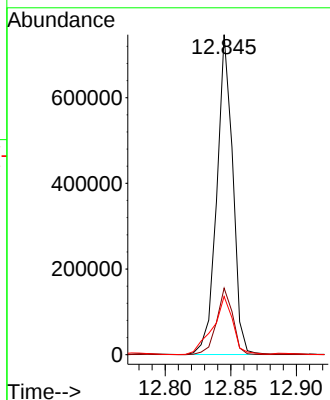
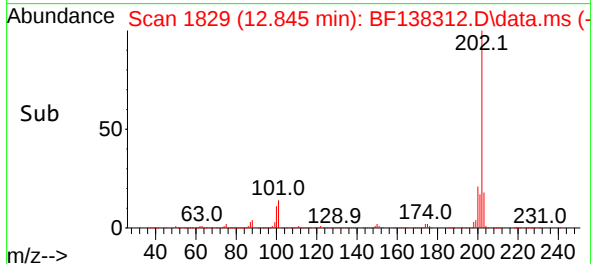
Instrument :
BNA_F
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BKG-3



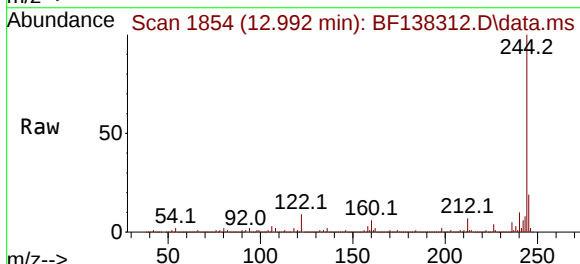
Tgt Ion:202 Resp: 631629
Ion Ratio Lower Upper
202 100
200 20.8 18.0 27.0
203 18.2 14.7 22.1

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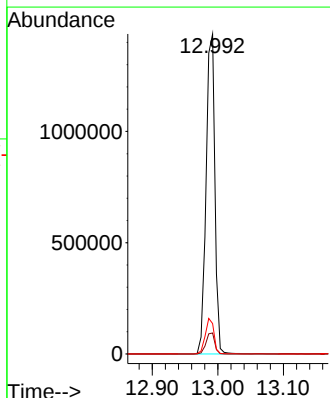
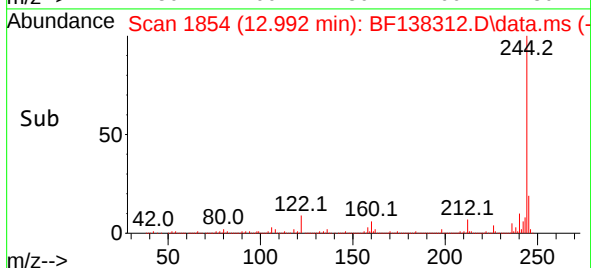
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

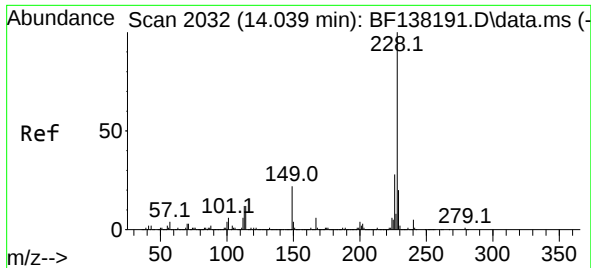


#79
Terphenyl-d14
Concen: 43.844 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13



Tgt Ion:244 Resp: 1343689
Ion Ratio Lower Upper
244 100
212 6.5 5.9 8.9
122 9.5 10.6 15.8#





#81
Benzo(a)anthracene
Concen: 12.013 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

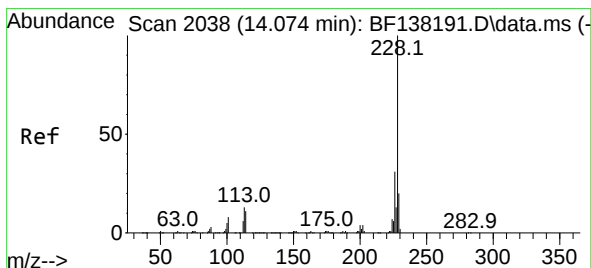
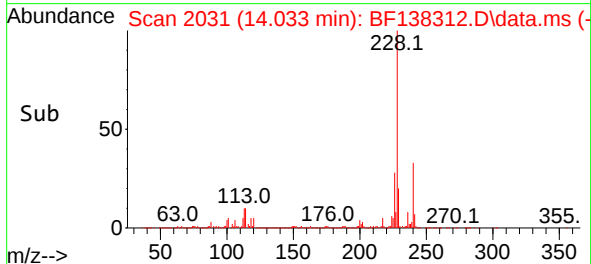
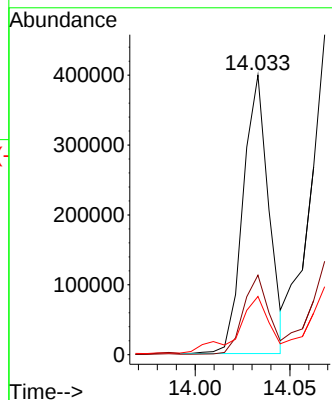
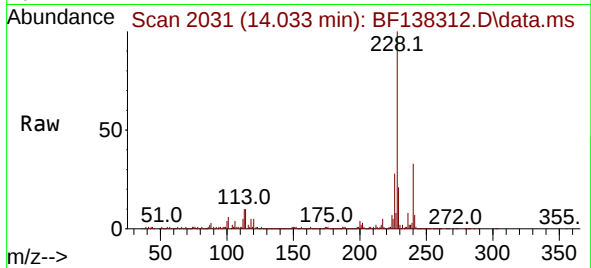
BKG-3

Tgt Ion:228 Resp: 374088
Ion Ratio Lower Upper
228 100
226 28.4 22.5 33.7
229 20.8 16.3 24.5

Manual Integrations

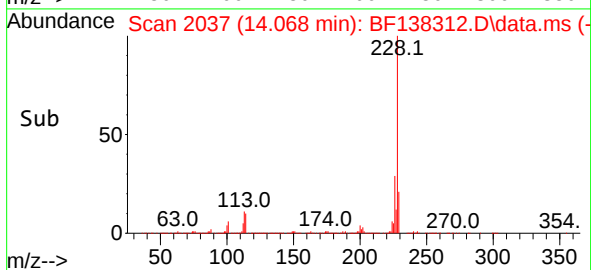
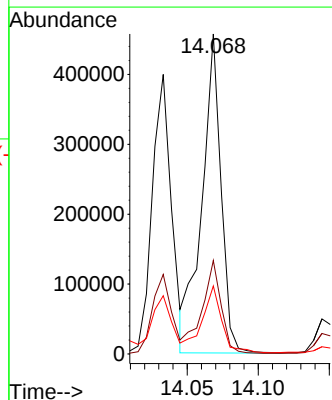
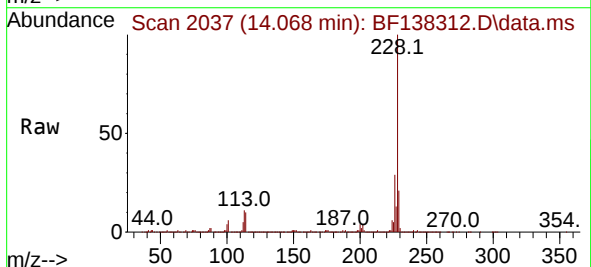
APPROVED

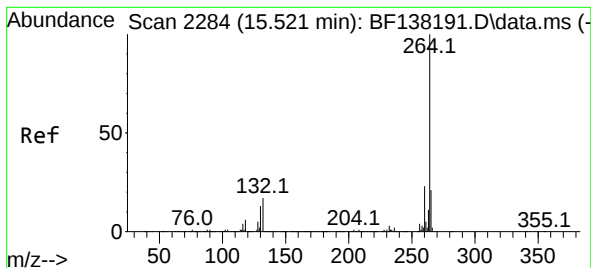
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#83
Chrysene
Concen: 14.472 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

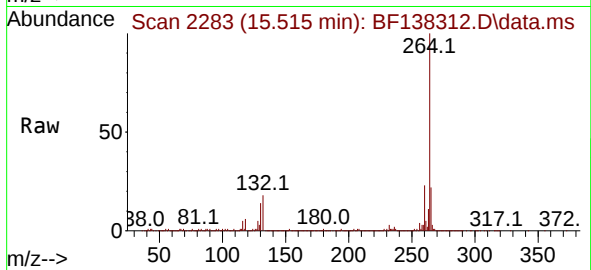
Tgt Ion:228 Resp: 429569
Ion Ratio Lower Upper
228 100
226 29.2 24.5 36.7
229 21.2 16.3 24.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

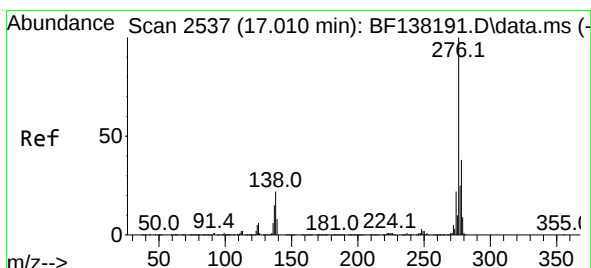
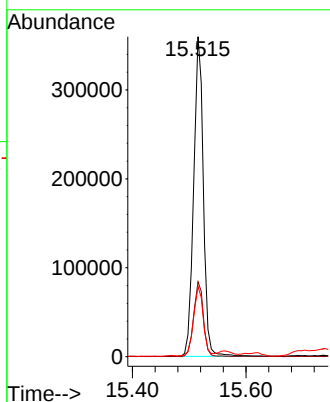
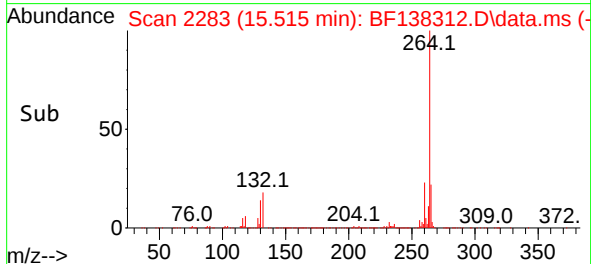
Instrument :
BNA_F
ClientSampleId :
BKG-3



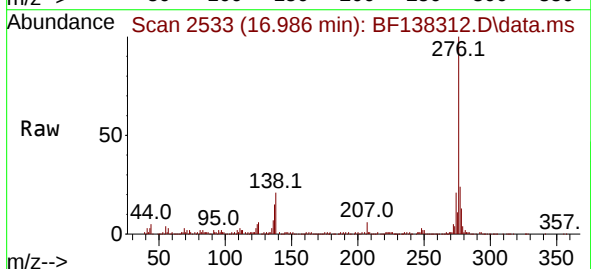
Tgt Ion:264 Resp: 42844
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.9 17.0 25.6

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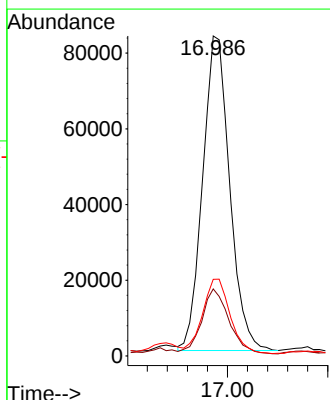
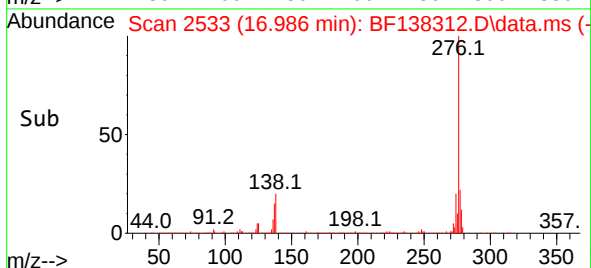
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

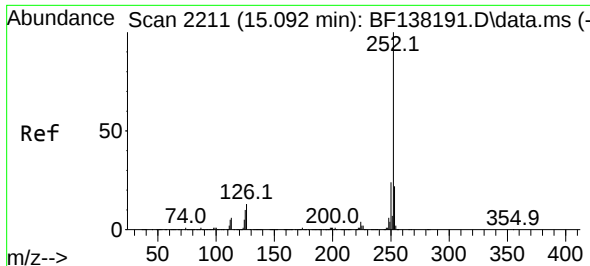


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.575 ng
RT: 16.986 min Scan# 2533
Delta R.T. -0.024 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13



Tgt Ion:276 Resp: 155707
Ion Ratio Lower Upper
276 100
138 20.8 19.3 28.9
277 24.2 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 22.220 ng m
RT: 15.086 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

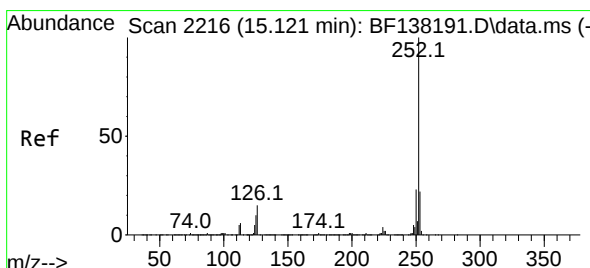
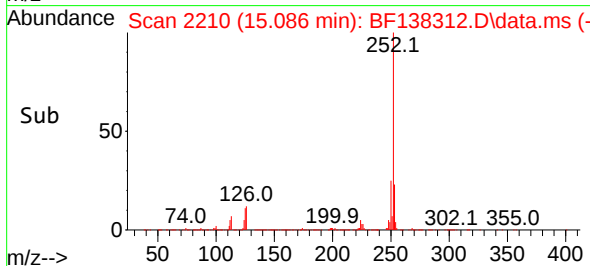
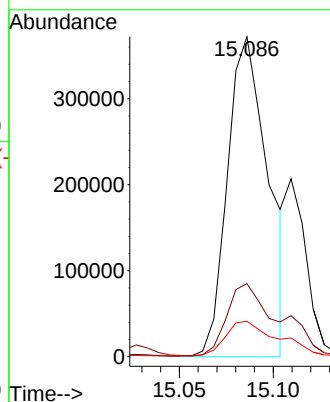
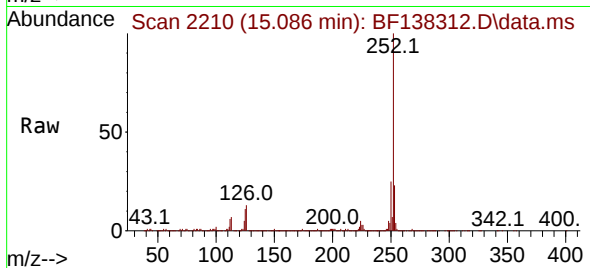
BKG-3

Tgt Ion:252 Resp: 561410
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.0 7.8 11.8

Manual Integrations

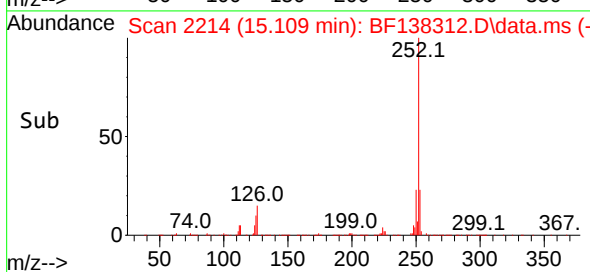
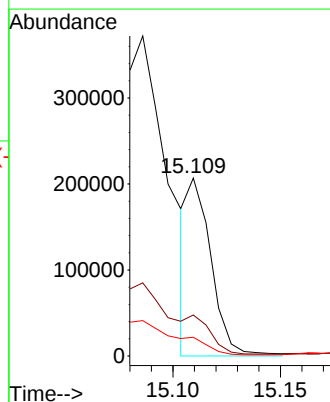
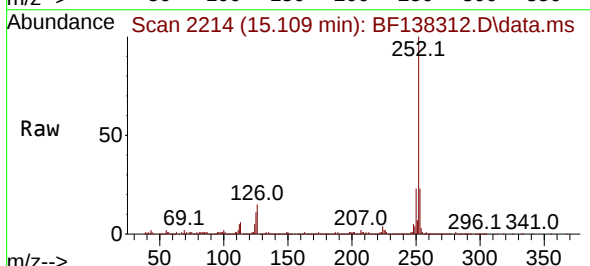
APPROVED

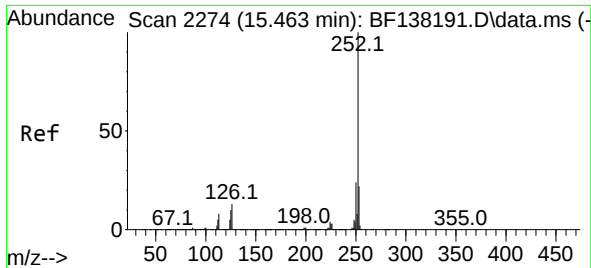
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#89
Benzo(k)fluoranthene
Concen: 6.365 ng m
RT: 15.109 min Scan# 2214
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:252 Resp: 157598
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.5 8.0 12.0





#90
Benzo(a)pyrene
Concen: 14.317 ng
RT: 15.451 min Scan# 210
Delta R.T. -0.012 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Instrument :

BNA_F

ClientSampleId :

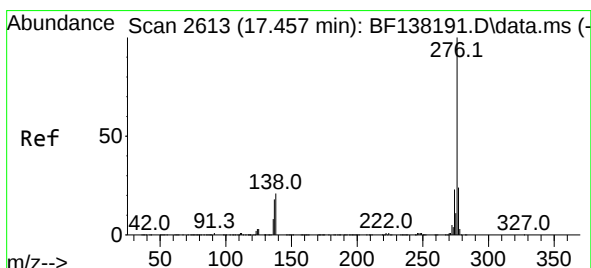
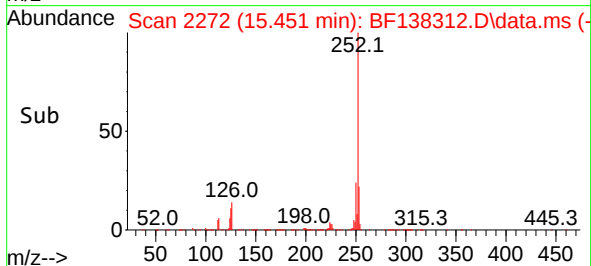
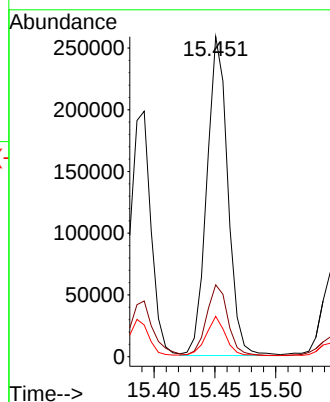
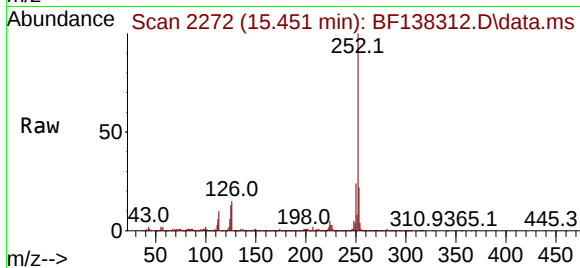
BKG-3

Tgt Ion:252 Resp: 31075
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 12.6 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: 6.469 ng
RT: 17.433 min Scan# 2609
Delta R.T. -0.024 min
Lab File: BF138312.D
Acq: 24 Jun 2024 16:13

Tgt Ion:276 Resp: 153434
Ion Ratio Lower Upper
276 100
277 23.6 19.5 29.3
138 20.3 16.6 24.8

