

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138343.D
 Acq On : 25 Jun 2024 19:39
 Operator : CG\JU
 Sample : P3021-04 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0018

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

Quant Time: Jun 26 01:02:04 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	6.887	152	208026	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	740886	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	359443	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	564426	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	415456	20.000	ng	0.00
86) Perylene-d12	15.521	264	328279	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	94386	7.590	ng	-0.01
7) Phenol-d6	6.504	99	114687	7.273	ng	-0.02
23) Nitrobenzene-d5	7.440	82	66044	5.190	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	23916	6.684	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	140067	6.196	ng	-0.01
79) Terphenyl-d14	12.986	244	160105	6.104	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.187	128	73763	2.013	ng	98
71) Phenanthrene	11.433	178	529374	18.965	ng	97
72) Anthracene	11.480	178	116814	4.215	ng	98
75) Fluoranthene	12.622	202	836643	29.394	ng	99
78) Pyrene	12.851	202	751515	20.971	ng	98
81) Benzo(a)anthracene	14.039	228	383942	14.405	ng	98
83) Chrysene	14.074	228	343189	13.508	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	139354	6.512	ng	95
88) Benzo(b)fluoranthene	15.092	252	335519m	17.331	ng	
89) Benzo(k)fluoranthene	15.116	252	90601m	4.775	ng	
90) Benzo(a)pyrene	15.457	252	211929	12.743	ng	# 96
91) Dibenzo(a,h)anthracene	17.010	278	36493	2.078	ng	# 90
92) Benzo(g,h,i)perylene	17.445	276	120046	6.606	ng	99

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

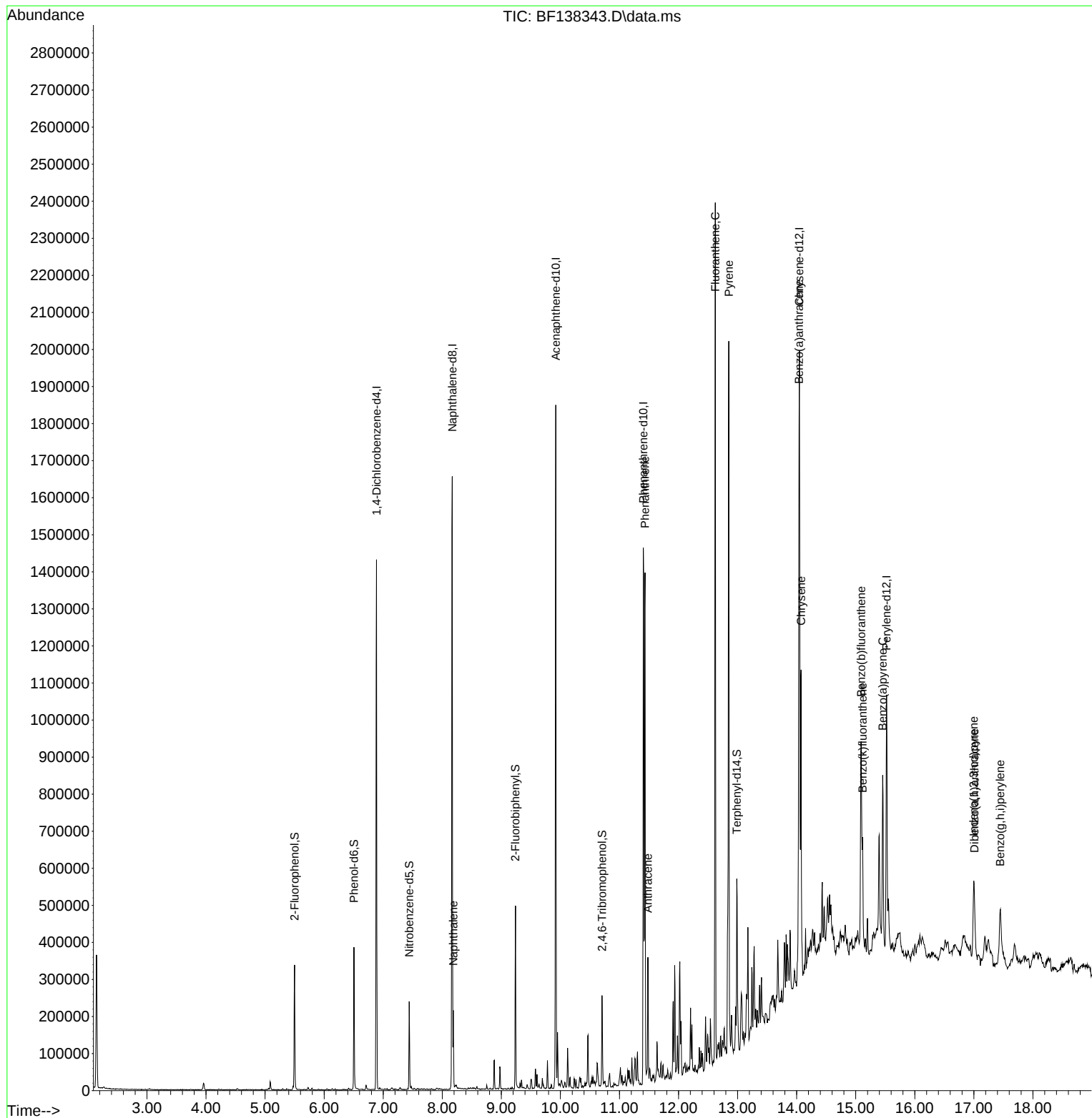
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
Data File : BF138343.D
Acq On : 25 Jun 2024 19:39
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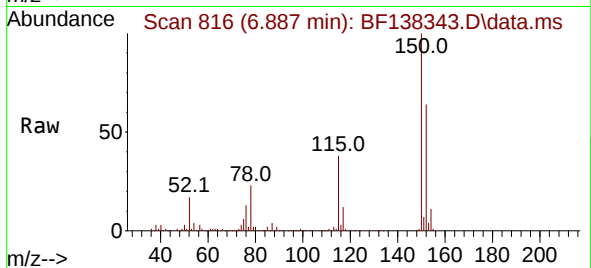
Quant Time: Jun 26 01:02:04 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

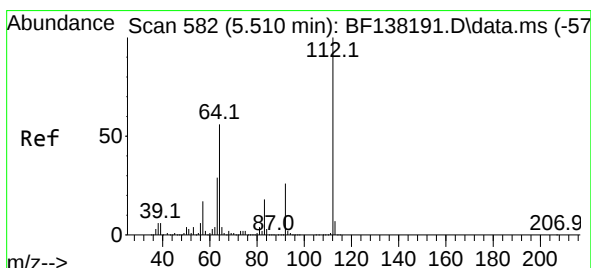
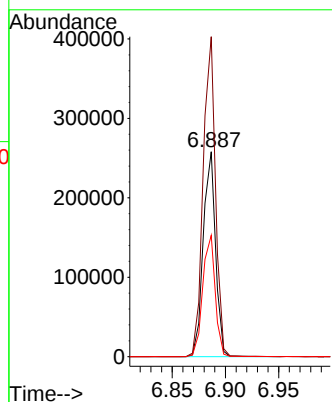
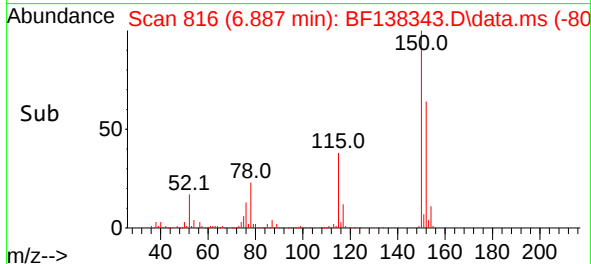
Instrument :
BNA_F
ClientSampleId :
ARS20-0018



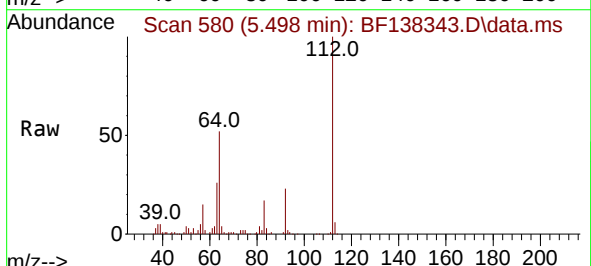
Tgt Ion:152 Resp: 208020
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.4
115 59.2 48.4 72.6

Manual Integrations
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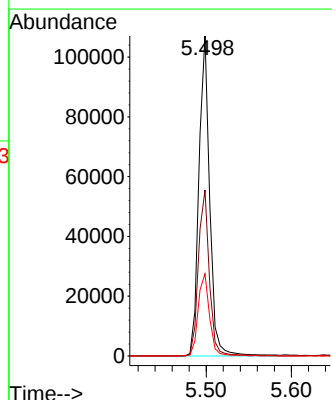
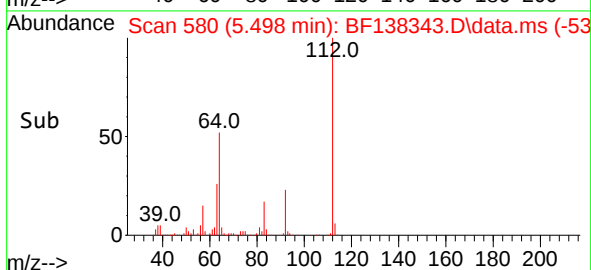
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#5
2-Fluorophenol
Concen: 7.590 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39



Tgt Ion:112 Resp: 94386
Ion Ratio Lower Upper
112 100
64 51.9 45.2 67.8
63 25.7 22.9 34.3





#7

Phenol-d6

Concen: 7.273 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138343.D

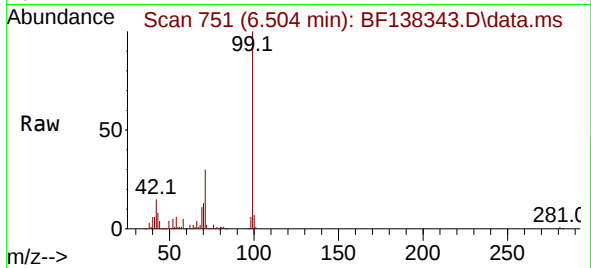
Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018



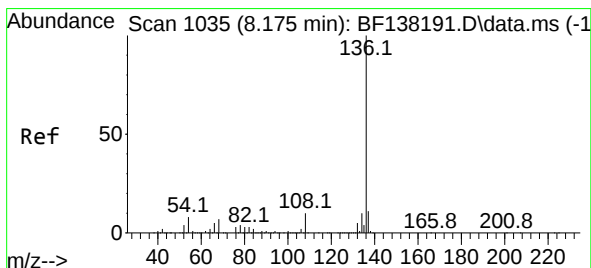
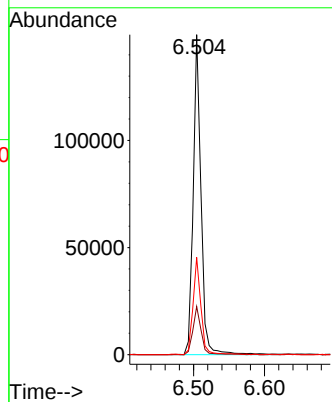
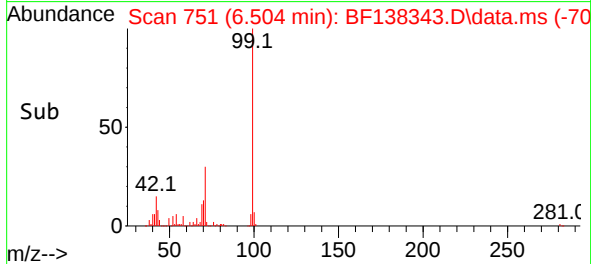
Tgt Ion:	99	Resp:	11468
Ion	Ratio	Lower	Upper
99	100		
42	15.0	13.7	20.5
71	30.4	25.0	37.6

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#21

Naphthalene-d8

Concen: 20.000 ng

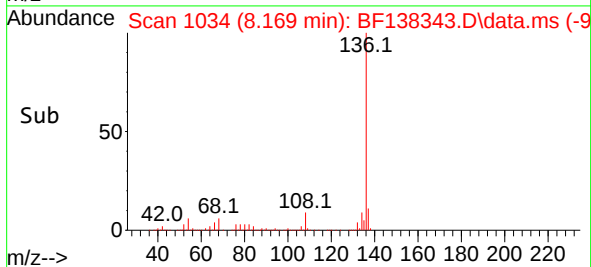
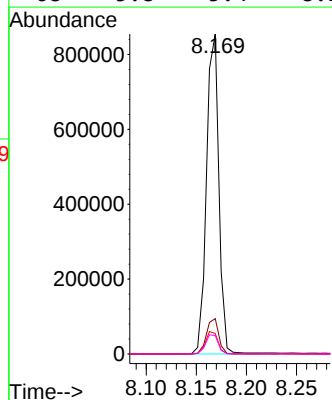
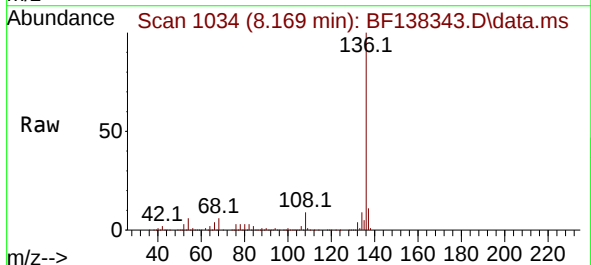
RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:	136	Resp:	740886
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	6.4	6.6	10.0
68	5.8	5.4	8.2





#23

Nitrobenzene-d5

Concen: 5.190 ng

RT: 7.440 min Scan# 91

Delta R.T. -0.018 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

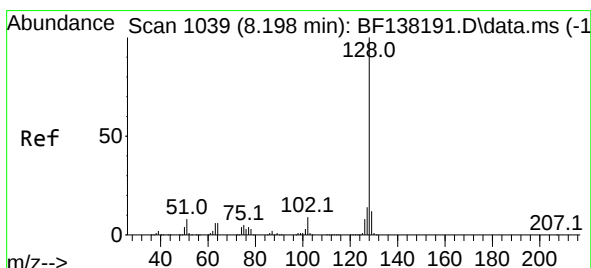
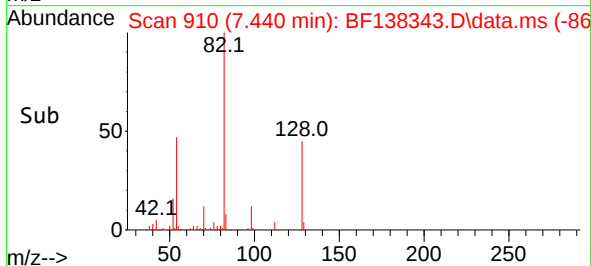
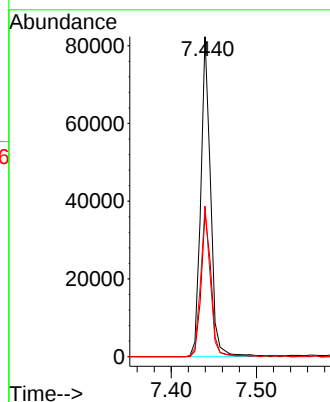
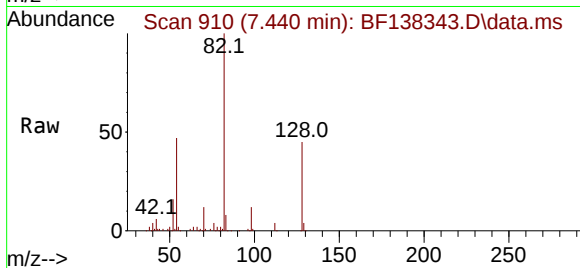
ClientSampleId :

ARS20-0018

Tgt Ion: 82 Resp: 66044
 Ion Ratio Lower Upper
 82 100
 128 44.9 37.2 55.8
 54 47.1 39.8 59.6

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#31

Naphthalene

Concen: 2.013 ng

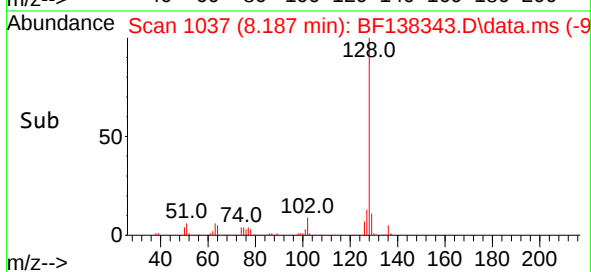
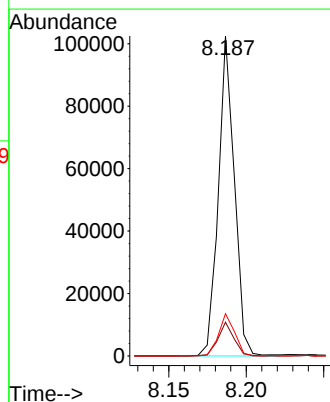
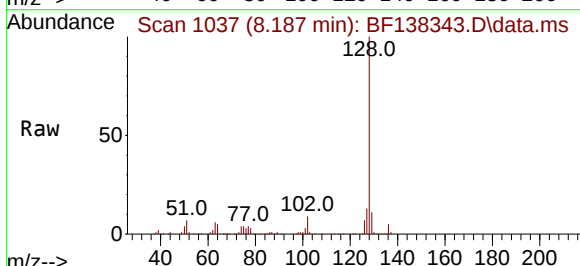
RT: 8.187 min Scan# 1037

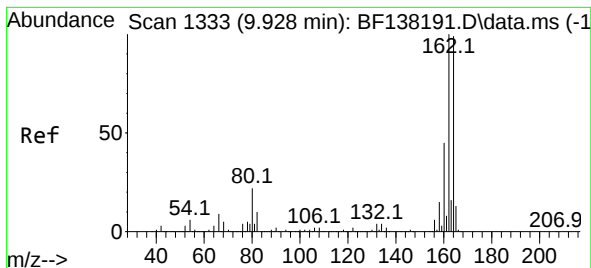
Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:128 Resp: 73763
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.5 14.3
 127 13.2 11.0 16.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

Tgt Ion:164 Resp: 35944

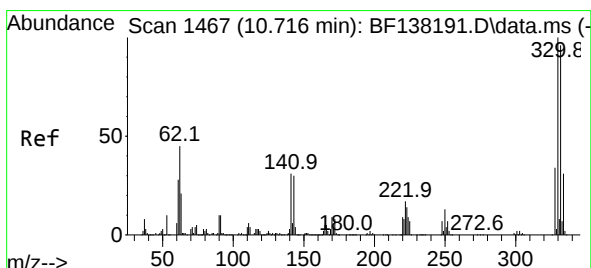
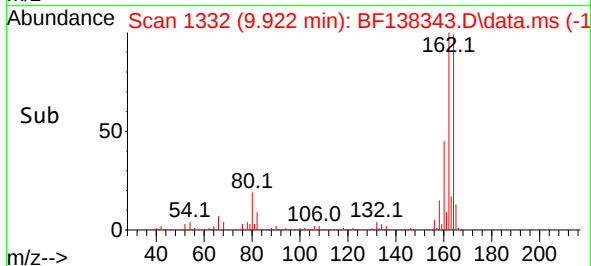
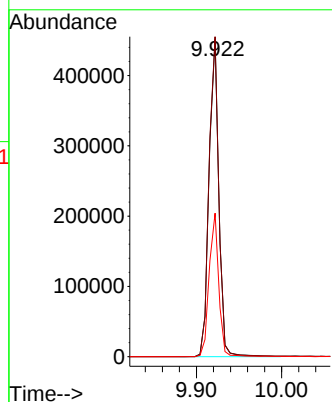
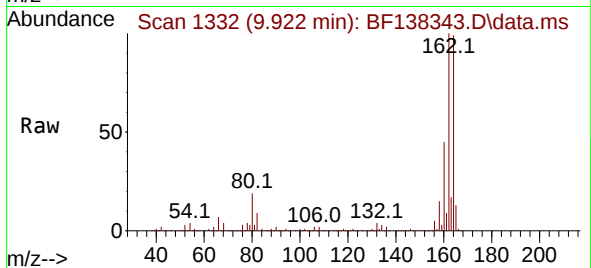
Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	121.0
160	45.3	36.3	54.5

Manual Integrations

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#42

2,4,6-Tribromophenol

Concen: 6.684 ng

RT: 10.704 min Scan# 1465

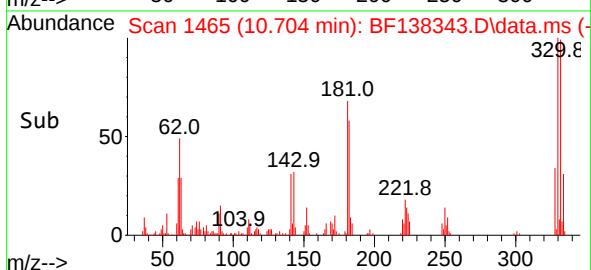
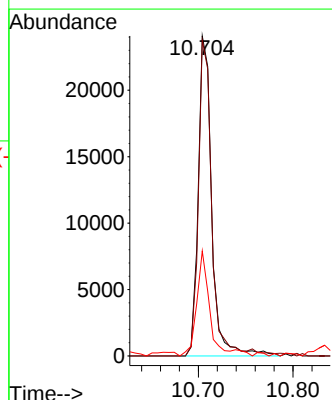
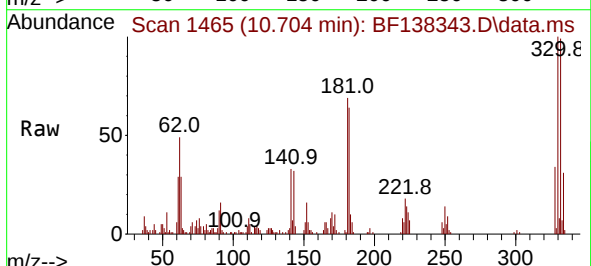
Delta R.T. -0.012 min

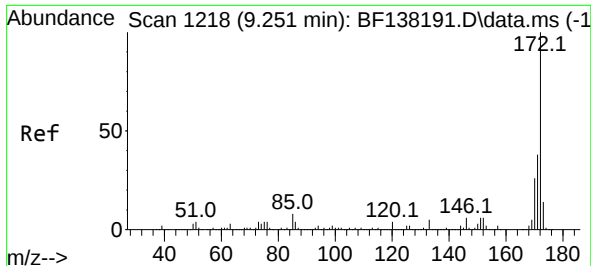
Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:330 Resp: 23916

Ion	Ratio	Lower	Upper
330	100		
332	98.7	76.6	115.0
141	30.2	23.9	35.9





#45

2-Fluorobiphenyl

Concen: 6.196 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

Tgt Ion:172 Resp: 14006

Ion Ratio Lower Upper

172 100

171 34.5 30.3 45.5

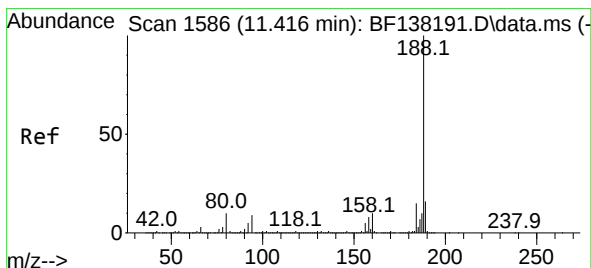
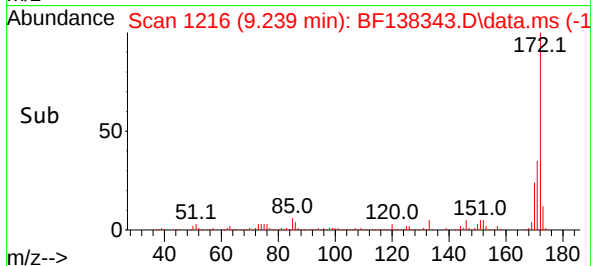
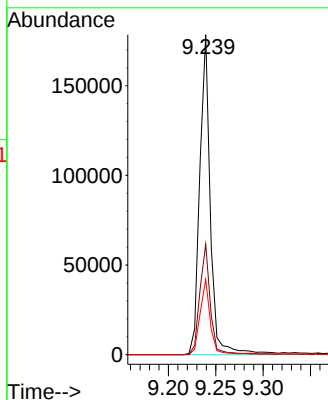
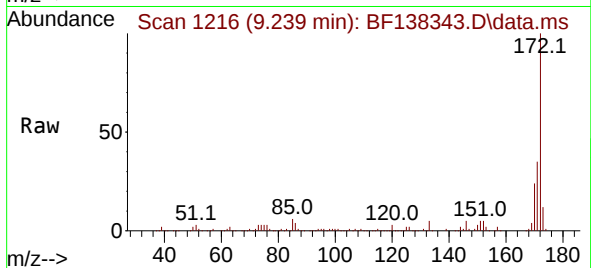
170 23.5 20.6 30.8

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

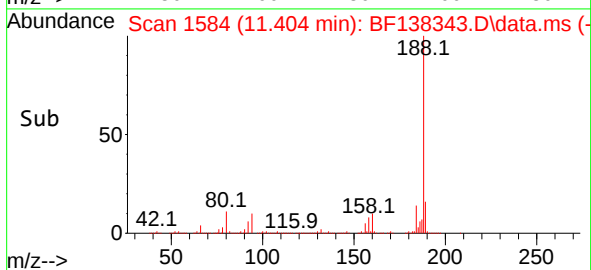
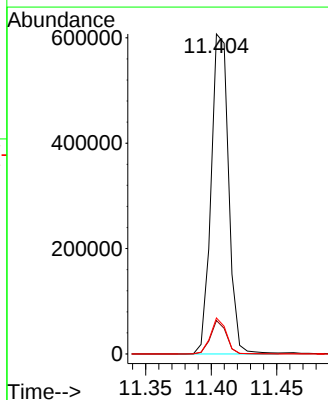
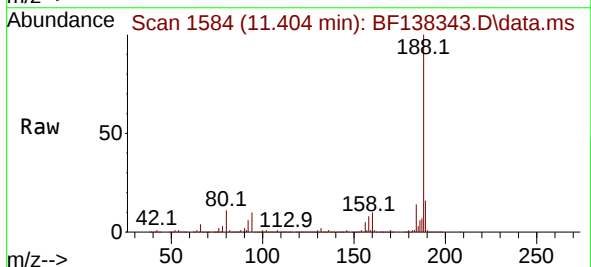
Tgt Ion:188 Resp: 564426

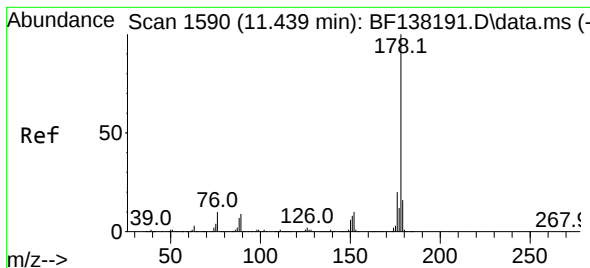
Ion Ratio Lower Upper

188 100

94 10.5 7.6 11.4

80 11.2 8.1 12.1





#71

Phenanthrene

Concen: 18.965 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

Tgt Ion:178 Resp: 529374

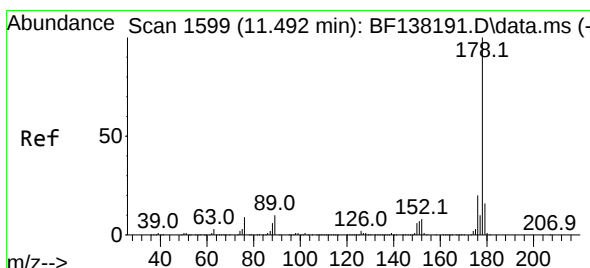
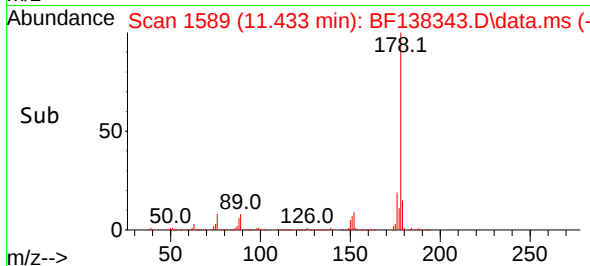
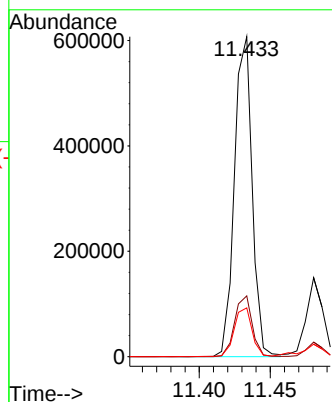
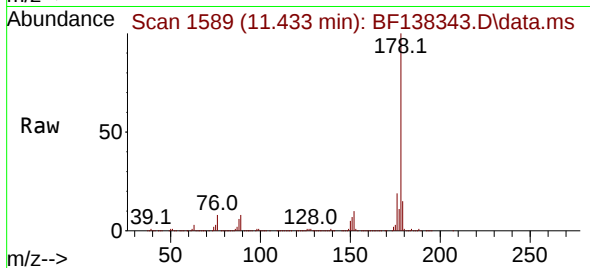
Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.3	13.1	19.7

Manual Integrations

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Supervised By :mohammad ahmed 06/27/2024



#72

Anthracene

Concen: 4.215 ng

RT: 11.480 min Scan# 1597

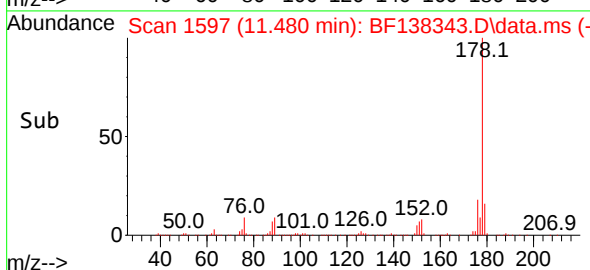
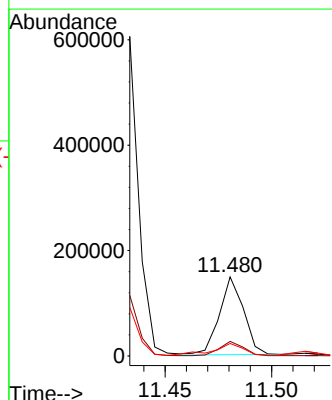
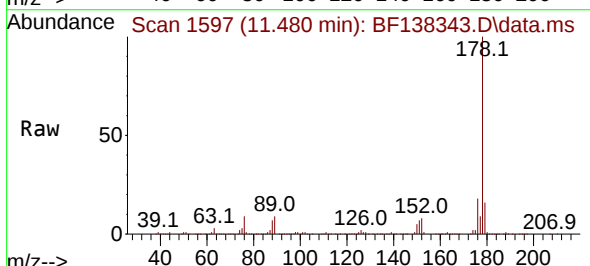
Delta R.T. -0.012 min

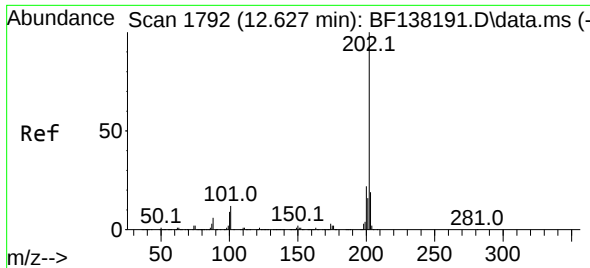
Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:178 Resp: 116814

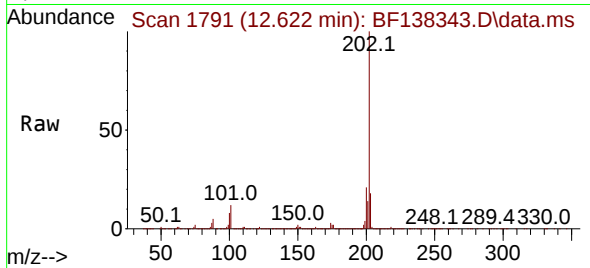
Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.8	13.0	19.6





#75
Fluoranthene
Concen: 29.394 ng
RT: 12.622 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39

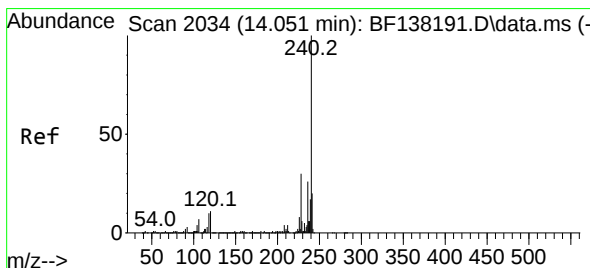
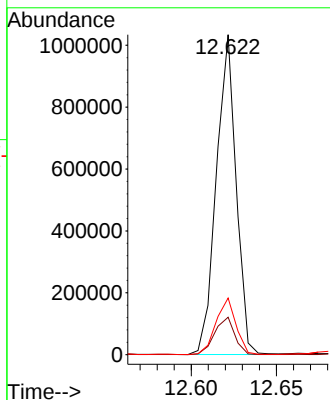
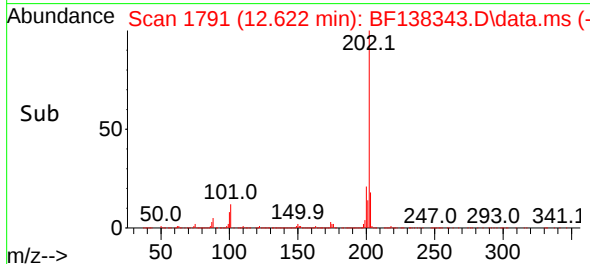
Instrument :
BNA_F
ClientSampleId :
ARS20-0018



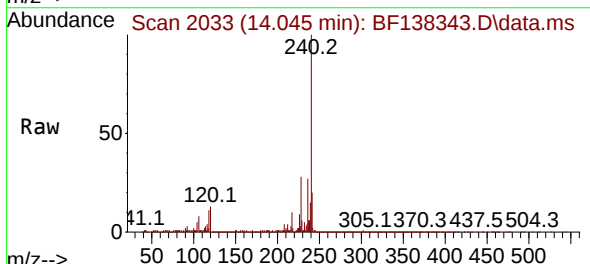
Tgt Ion:202 Resp: 83664
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.8
203 17.7 0.0 38.6

Manual Integrations
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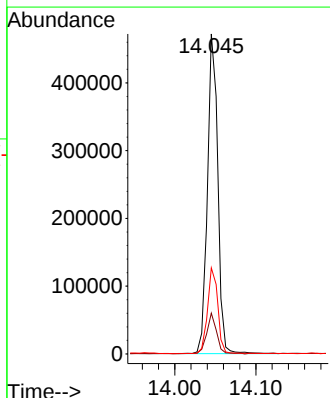
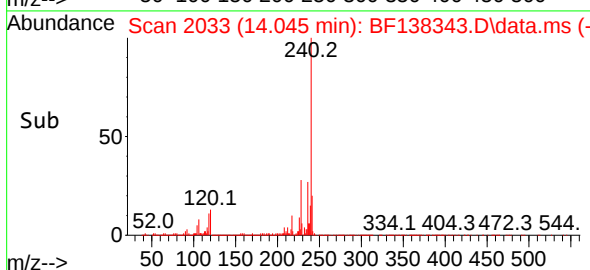
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

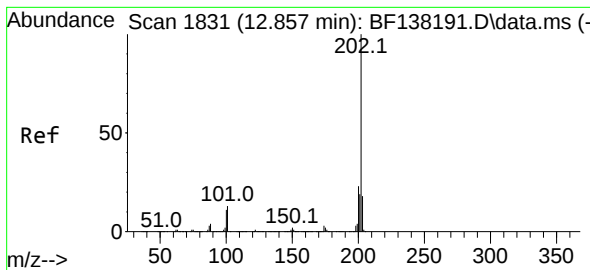


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138343.D
Acq: 25 Jun 2024 19:39



Tgt Ion:240 Resp: 415456
Ion Ratio Lower Upper
240 100
120 12.7 9.2 13.8
236 26.9 21.0 31.6





#78

Pyrene

Concen: 20.971 ng

RT: 12.851 min Scan# 1831

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

Tgt Ion:202 Resp: 751515

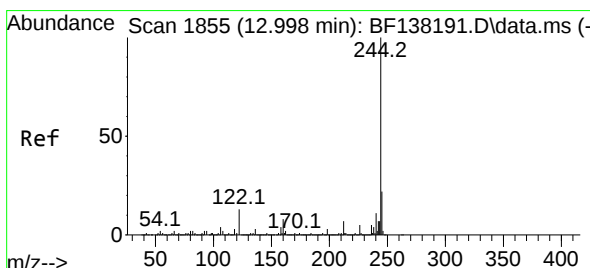
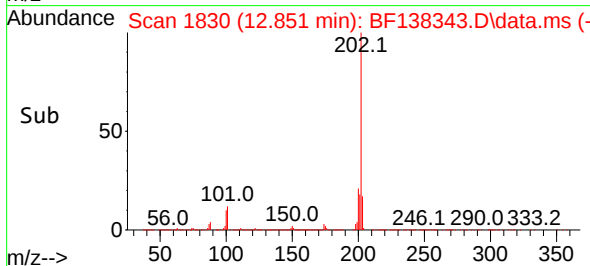
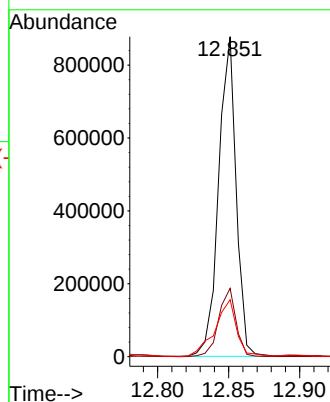
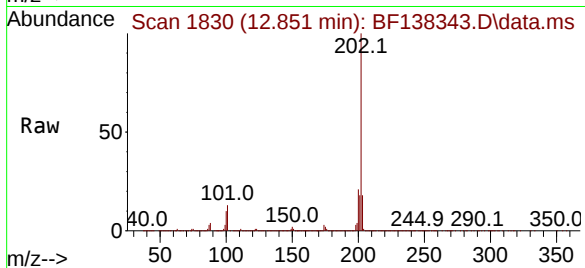
Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.0	27.0
203	17.8	14.7	22.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#79

Terphenyl-d14

Concen: 6.104 ng

RT: 12.986 min Scan# 1853

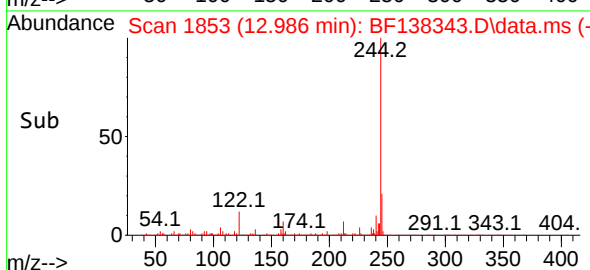
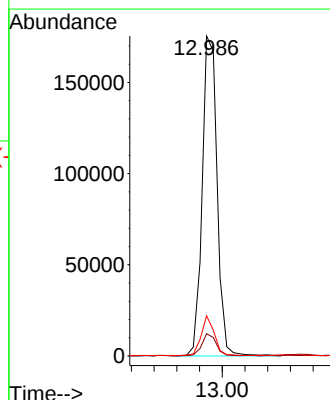
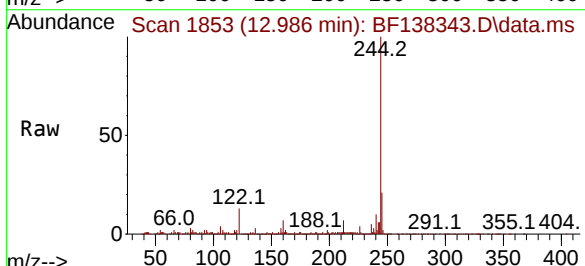
Delta R.T. -0.012 min

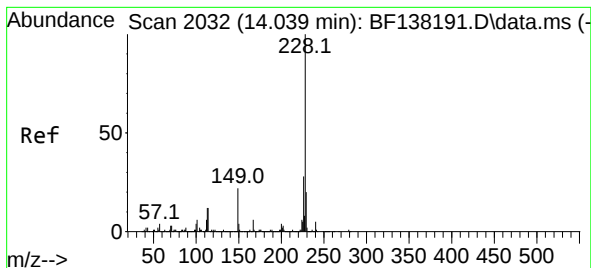
Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:244 Resp: 160105

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	12.5	10.6	15.8





#81

Benzo(a)anthracene

Concen: 14.405 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

Tgt Ion:228 Resp: 38394

Ion Ratio Lower Upper

228 100

226 28.9 22.5 33.7

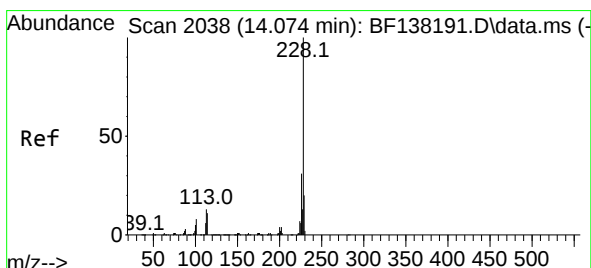
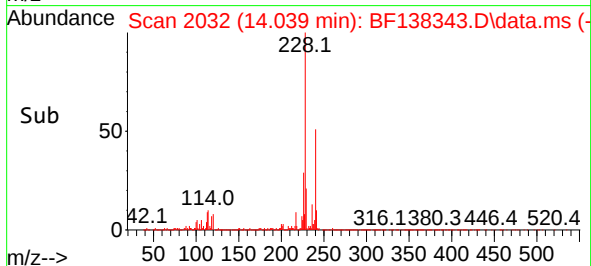
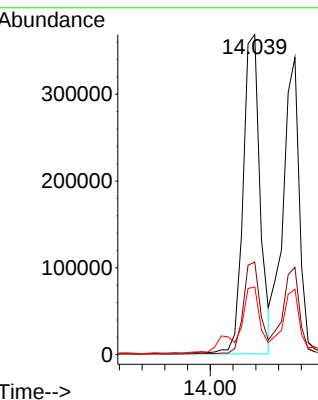
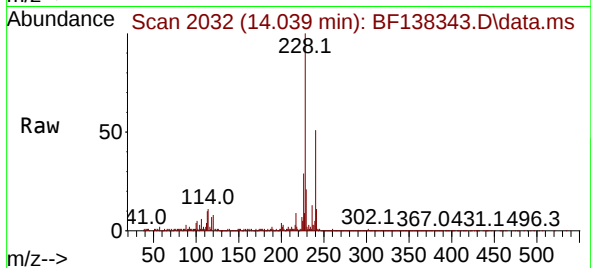
229 21.1 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#83

Chrysene

Concen: 13.508 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

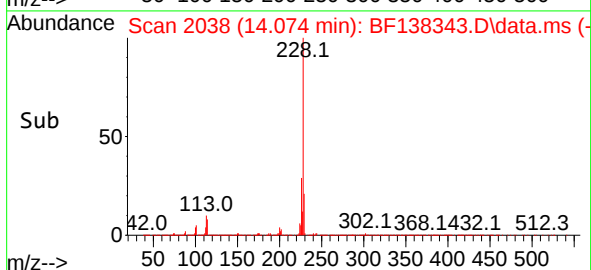
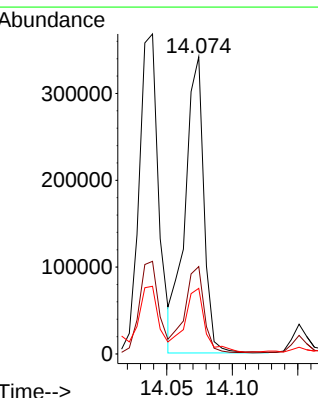
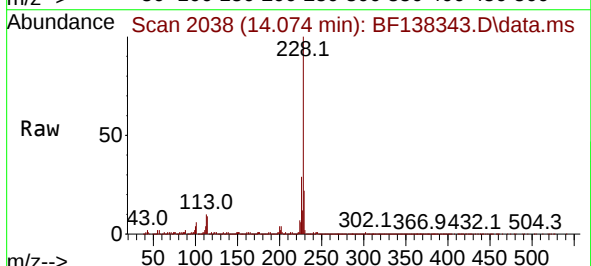
Tgt Ion:228 Resp: 343189

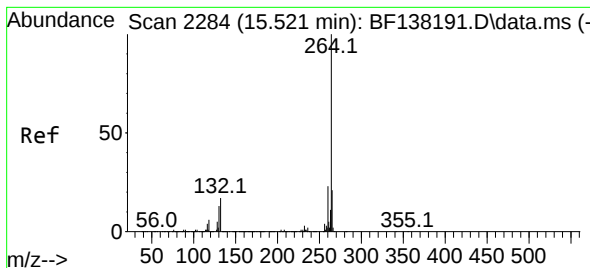
Ion Ratio Lower Upper

228 100

226 29.4 24.5 36.7

229 22.1 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

ARS20-0018

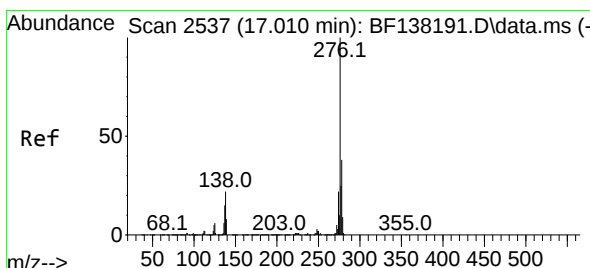
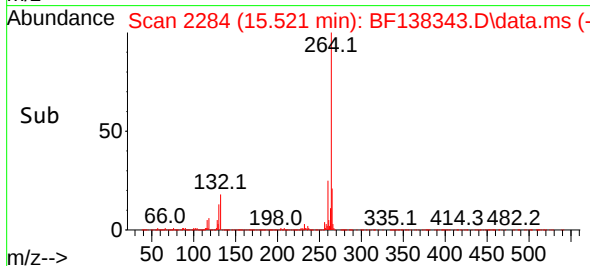
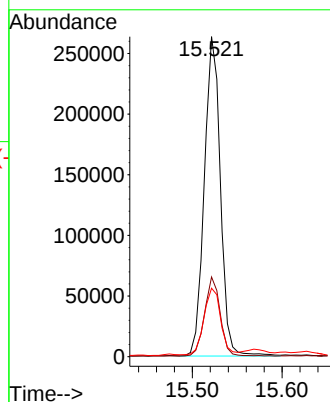
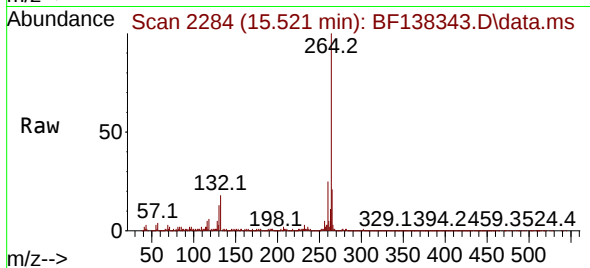
Tgt Ion:	264	Resp:	328279
Ion Ratio	Lower	Upper	
264	100		
260	24.9	18.7	28.1
265	21.4	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.512 ng

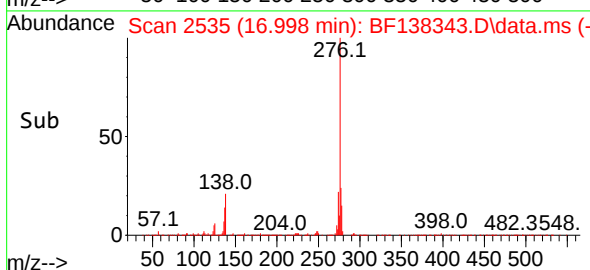
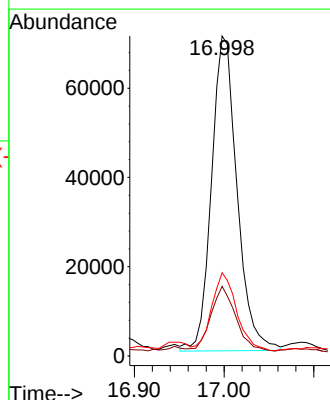
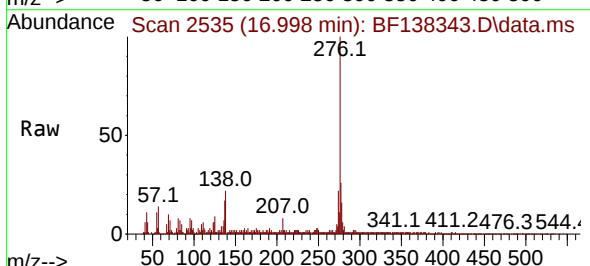
RT: 16.998 min Scan# 2535

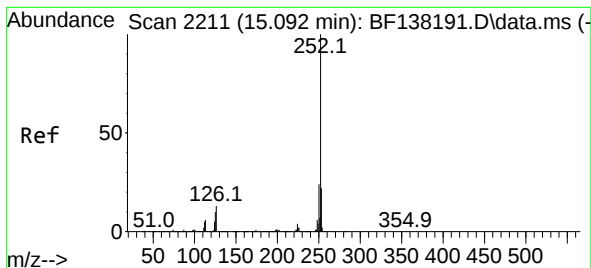
Delta R.T. -0.012 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:	276	Resp:	139354
Ion Ratio	Lower	Upper	
276	100		
138	20.4	19.3	28.9
277	24.1	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 17.331 ng m

RT: 15.092 min Scan# 2211

Delta R.T. -0.000 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNA_F

ClientSampleId :

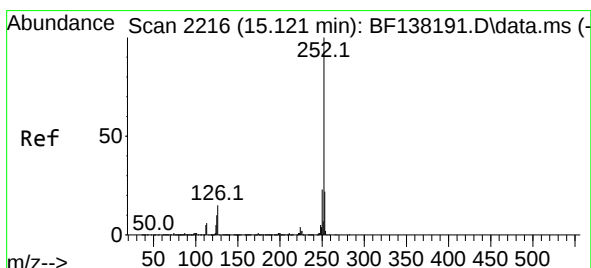
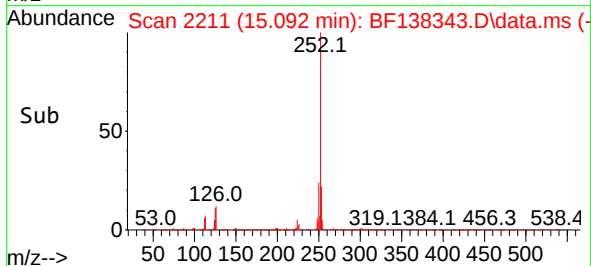
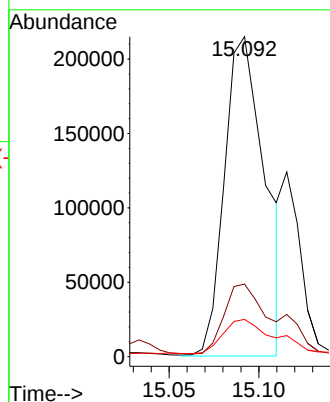
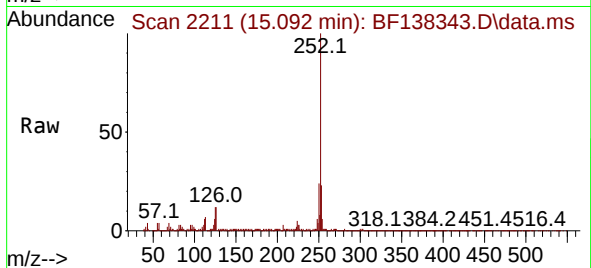
ARS20-0018

Tgt Ion:252 Resp: 335519
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.7 26.5
 125 11.6 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



#89

Benzo(k)fluoranthene

Concen: 4.775 ng m

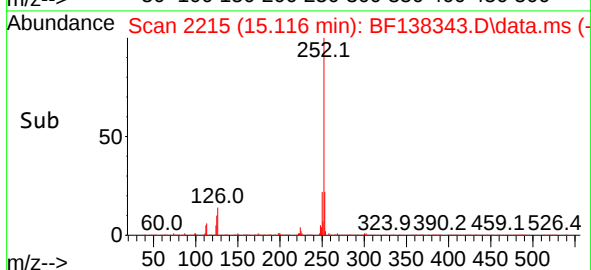
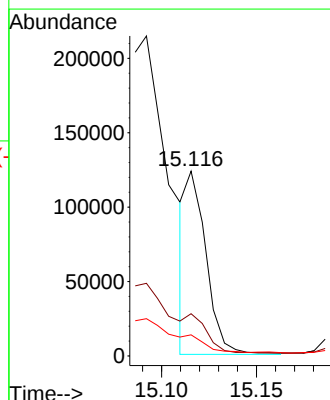
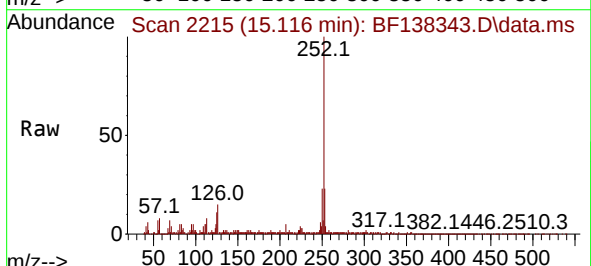
RT: 15.116 min Scan# 2215

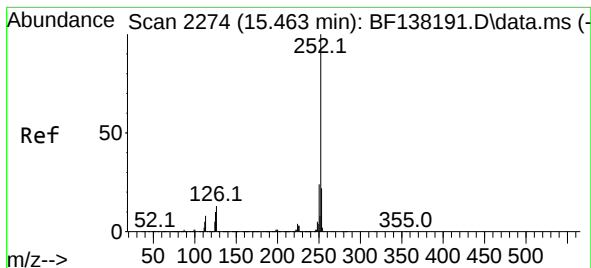
Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:252 Resp: 90601
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.8 26.8
 125 11.4 8.0 12.0





#90

Benzo(a)pyrene

Concen: 12.743 ng

RT: 15.457 min Scan# 211929

Delta R.T. -0.006 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Instrument :

BNF

ClientSampleId :

ARS20-0018

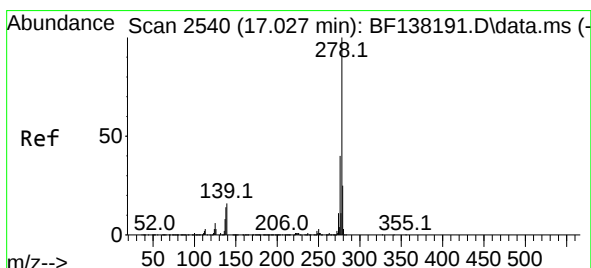
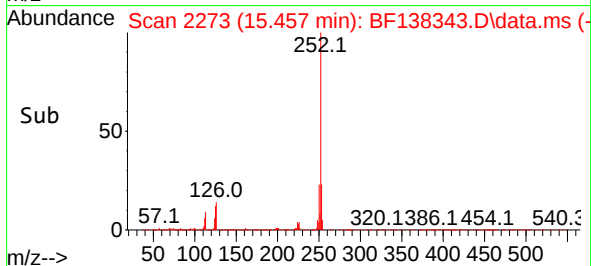
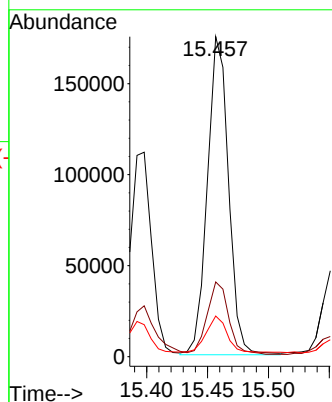
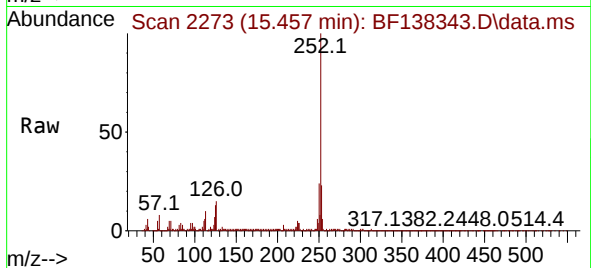
Tgt Ion:	252	Resp:	211929
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	12.7	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.078 ng

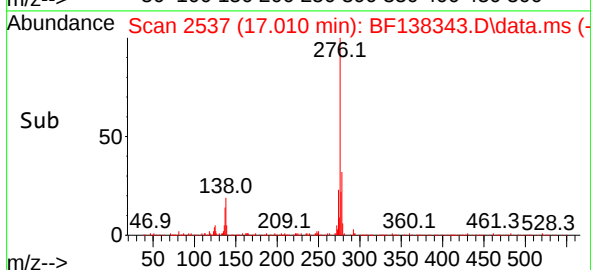
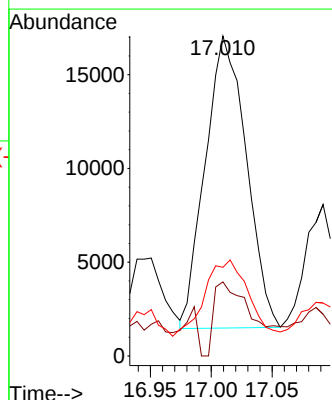
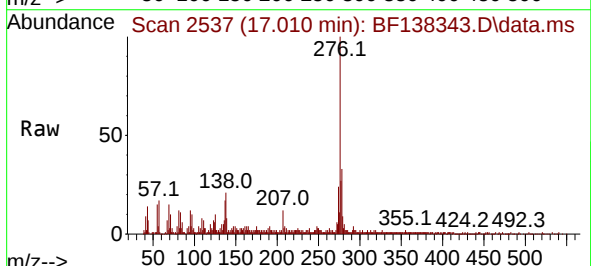
RT: 17.010 min Scan# 2537

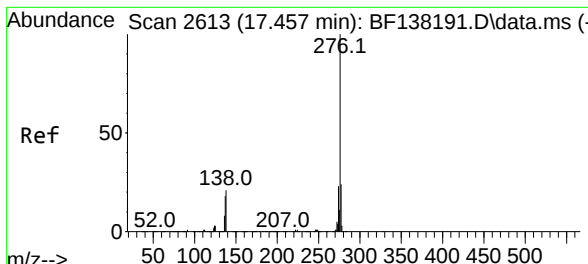
Delta R.T. -0.018 min

Lab File: BF138343.D

Acq: 25 Jun 2024 19:39

Tgt Ion:	278	Resp:	36493
Ion Ratio	Lower	Upper	
278	100		
139	23.1	12.9	19.3
279	27.7	19.9	29.9





#92
 Benzo(g,h,i)perylene
 Concen: 6.606 ng
 RT: 17.445 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF138343.D
 Acq: 25 Jun 2024 19:39

Instrument : BNA_F
 ClientSampleId : ARS20-0018

Tgt Ion: 276 Resp: 120040

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.5	29.3
138	21.3	16.6	24.8

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

