

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
 Data File : BF138344.D
 Acq On : 25 Jun 2024 20:08
 Operator : CG\JU
 Sample : P3021-10 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0015

Manual Integrations
 APPROVED

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

Quant Time: Jun 26 01:02:22 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	6.887	152	203257	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	713796	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	329097	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	531329	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	412707	20.000	ng	0.00
86) Perylene-d12	15.521	264	334390	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	110330	9.080	ng	-0.01
7) Phenol-d6	6.504	99	129952	8.434	ng	-0.02
23) Nitrobenzene-d5	7.439	82	72978	5.952	ng	-0.02
42) 2,4,6-Tribromophenol	10.704	330	25842	7.888	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	154185	7.450	ng	-0.01
79) Terphenyl-d14	12.986	244	167032	6.410	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	370380	14.096	ng	97
72) Anthracene	11.480	178	83814	3.213	ng	99
75) Fluoranthene	12.621	202	727646	27.157	ng	97
78) Pyrene	12.851	202	738279	20.739	ng	97
81) Benzo(a)anthracene	14.039	228	350695	13.245	ng	98
83) Chrysene	14.074	228	318390	12.616	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	121091	5.555	ng	96
88) Benzo(b)fluoranthene	15.086	252	326607m	16.563	ng	
89) Benzo(k)fluoranthene	15.115	252	81533m	4.219	ng	
90) Benzo(a)pyrene	15.457	252	214151	12.641	ng	96
92) Benzo(g,h,i)perylene	17.451	276	118416	6.397	ng	99

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

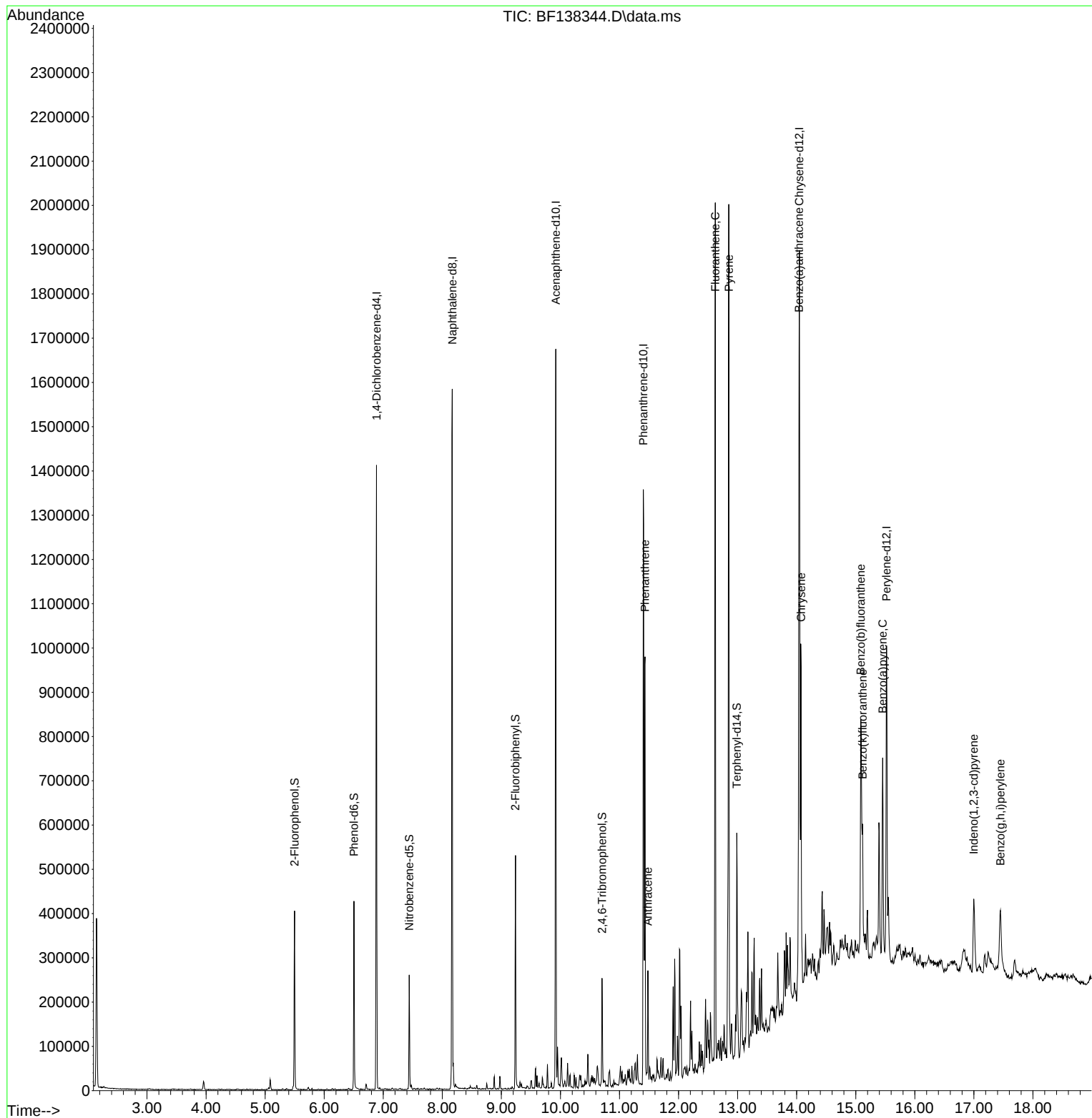
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062524\
Data File : BF138344.D
Acq On : 25 Jun 2024 20:08
Operator : CG\JU
Sample : P3021-10 10X
Misc :
ALS Vial : 21 Sample Multiplier: 1

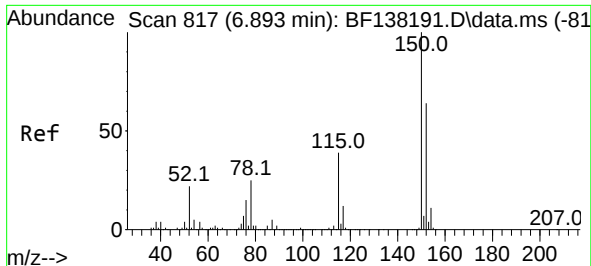
Instrument :
BNA_F
ClientSampleId :
ARS20-0015

Manual Integrations
APPROVED

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

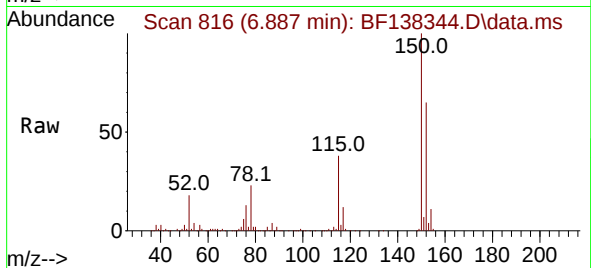
Quant Time: Jun 26 01:02:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

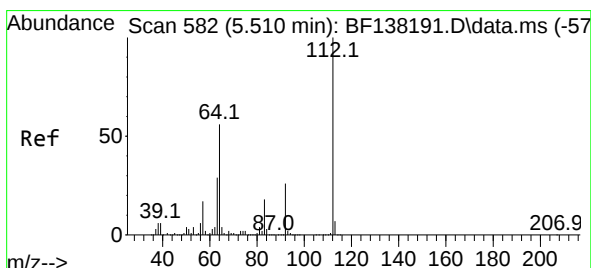
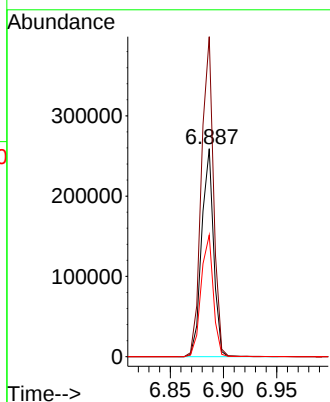
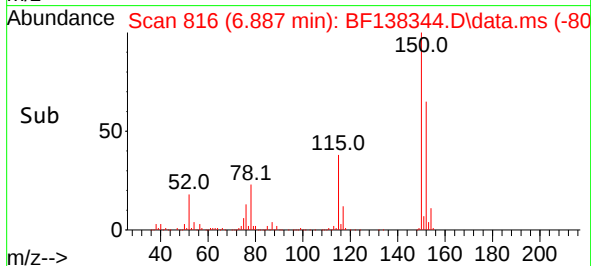
Instrument :
BNA_F
ClientSampleId :
ARS20-0015



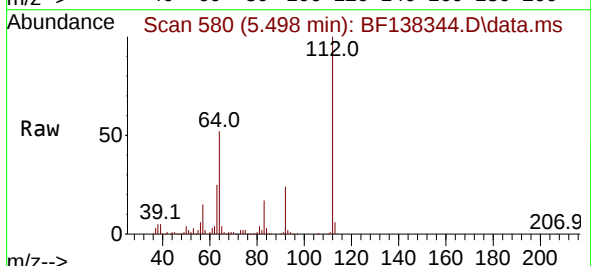
Tgt Ion:152 Resp: 20325
Ion Ratio Lower Upper
152 100
150 153.8 125.0 187.4
115 58.5 48.4 72.6

Manual Integrations
APPROVED

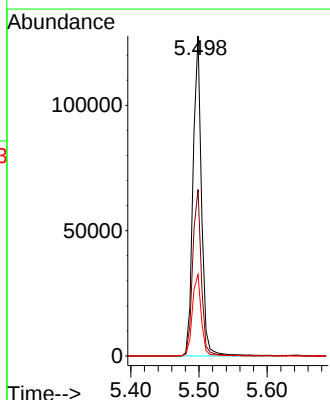
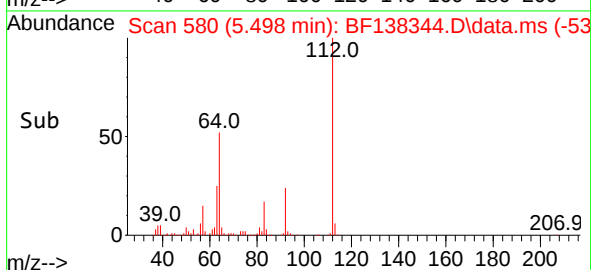
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024

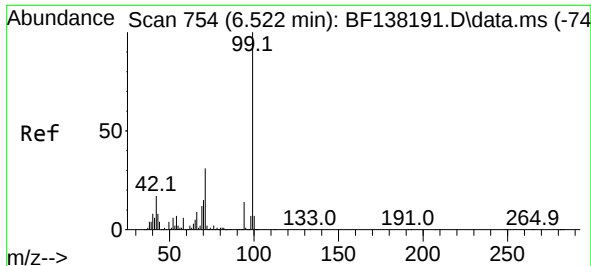


#5
2-Fluorophenol
Concen: 9.080 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08



Tgt Ion:112 Resp: 110330
Ion Ratio Lower Upper
112 100
64 52.0 45.2 67.8
63 25.4 22.9 34.3





#7

Phenol-d6

Concen: 8.434 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

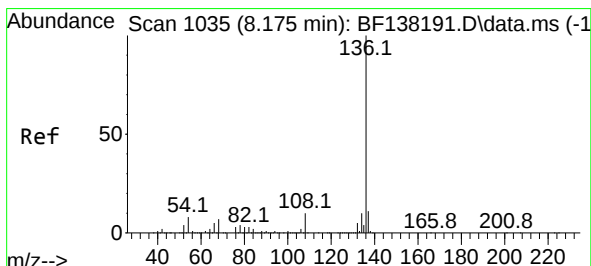
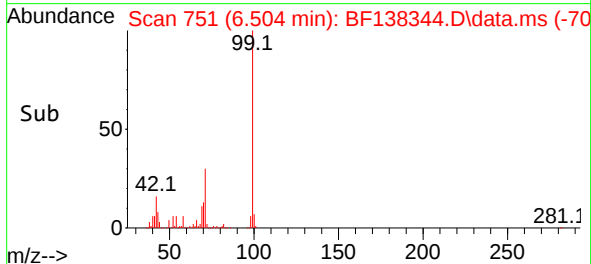
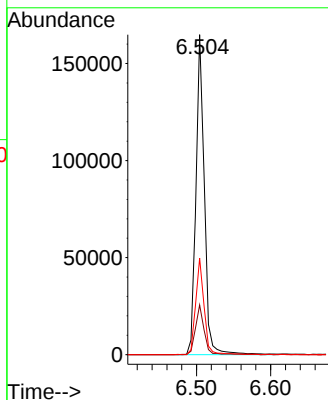
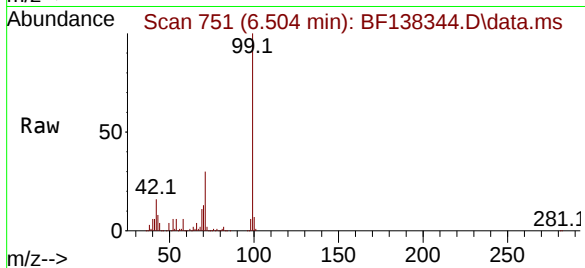
Tgt Ion:	99	Resp:	12995
Ion	Ratio	Lower	Upper
99	100		
42	15.6	13.7	20.5
71	30.2	25.0	37.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#21

Naphthalene-d8

Concen: 20.000 ng

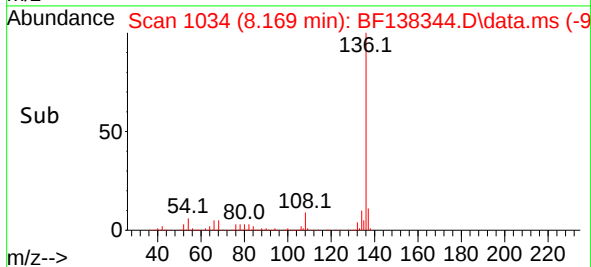
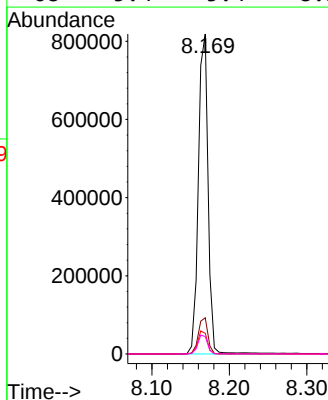
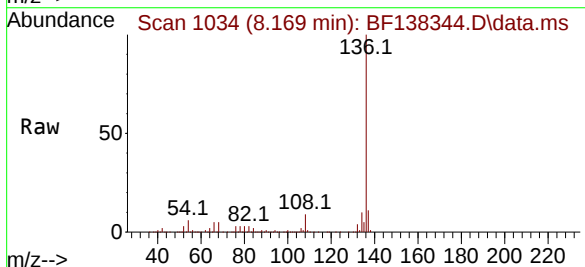
RT: 8.169 min Scan# 1034

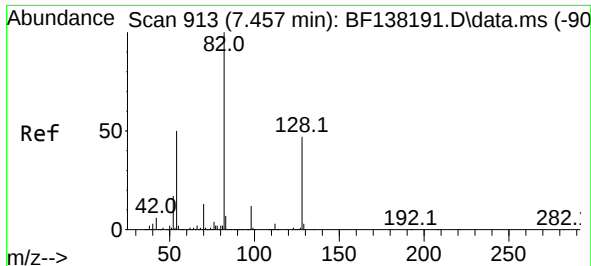
Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Tgt Ion:	136	Resp:	713796
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.4	6.6	10.0
68	5.4	5.4	8.2





#23

Nitrobenzene-d5

Concen: 5.952 ng

RT: 7.439 min Scan# 910

Delta R.T. -0.018 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

Tgt Ion: 82 Resp: 72978

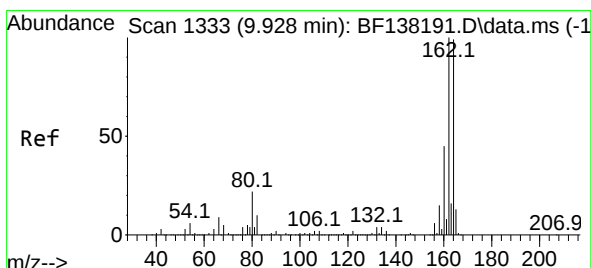
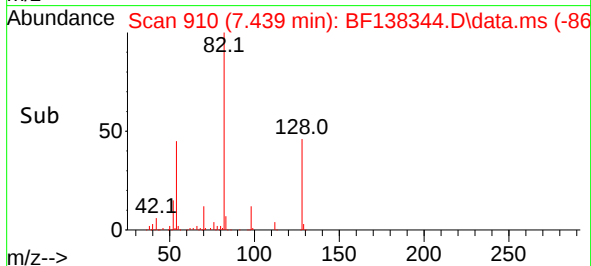
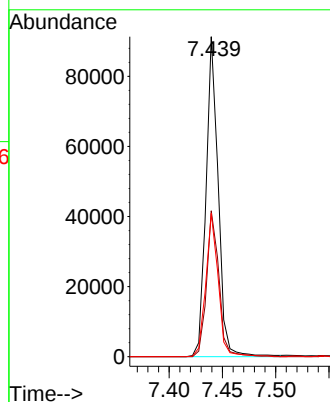
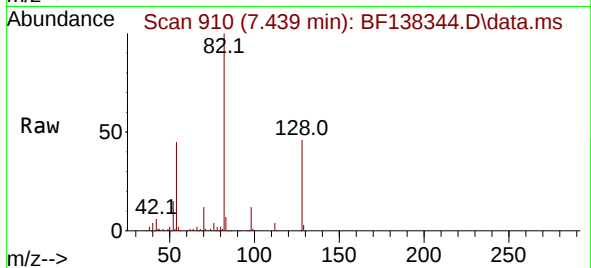
Ion	Ratio	Lower	Upper
82	100		
128	45.6	37.2	55.8
54	44.8	39.8	59.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

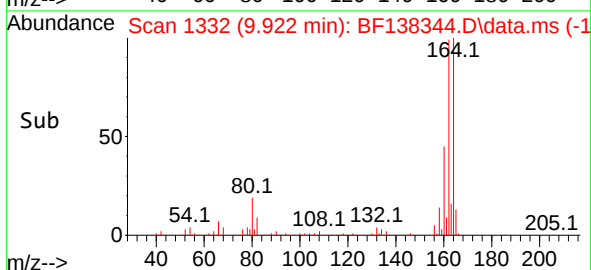
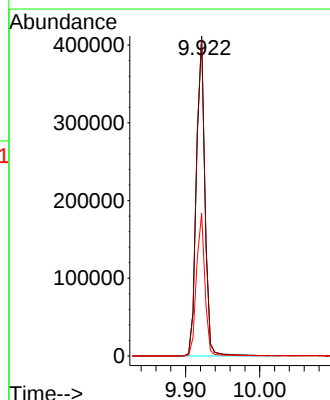
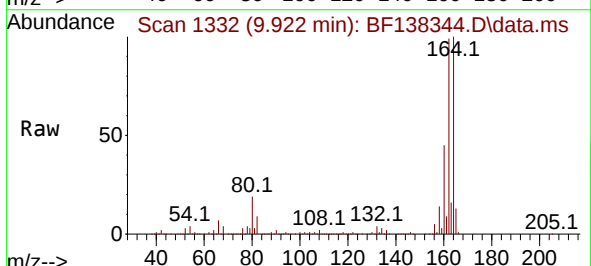
Delta R.T. -0.006 min

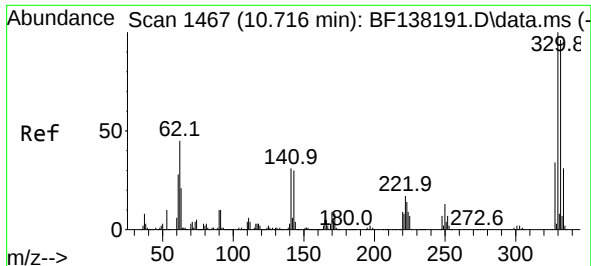
Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Tgt Ion:164 Resp: 329097

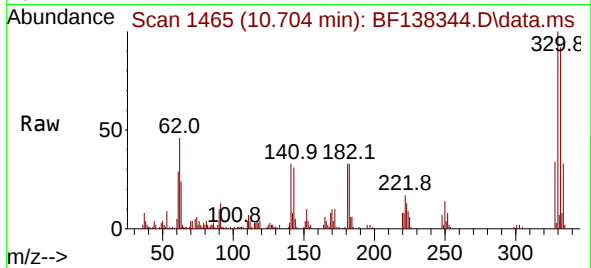
Ion	Ratio	Lower	Upper
164	100		
162	99.5	80.6	121.0
160	44.5	36.3	54.5





#42
2,4,6-Tribromophenol
Concen: 7.888 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.012 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

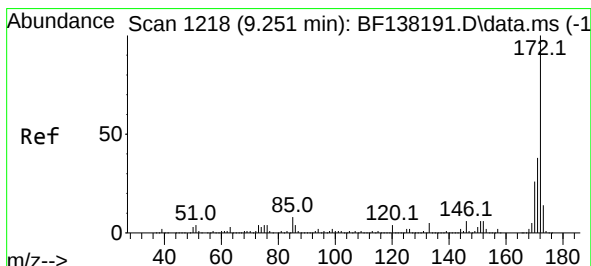
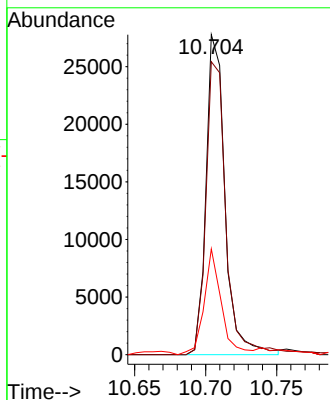
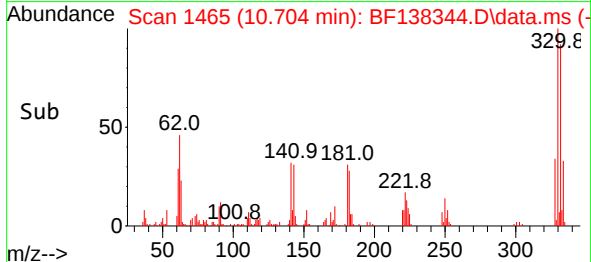
Instrument :
BNA_F
ClientSampleId :
ARS20-0015



Tgt Ion: 330 Resp: 2584
Ion Ratio Lower Upper
330 100
332 97.8 76.6 115.0
141 30.0 23.9 35.9

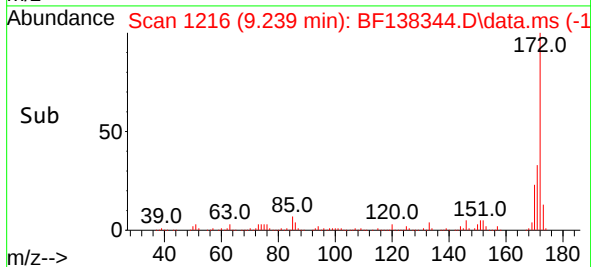
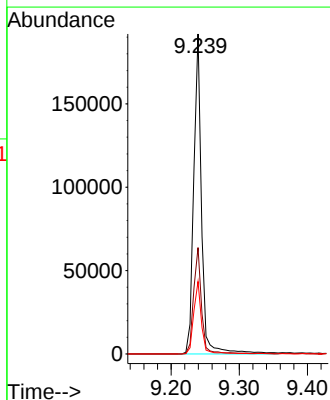
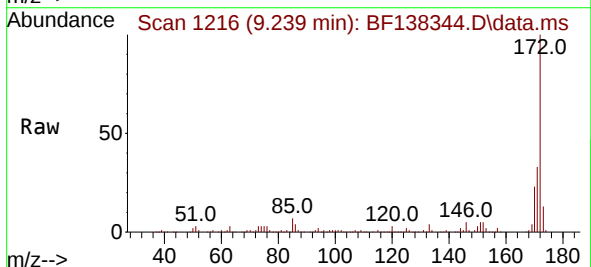
Manual Integrations
APPROVED

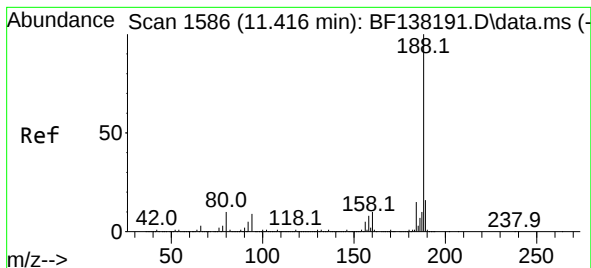
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#45
2-Fluorobiphenyl
Concen: 7.450 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.012 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Tgt Ion: 172 Resp: 154185
Ion Ratio Lower Upper
172 100
171 33.2 30.3 45.5
170 22.6 20.6 30.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

Tgt Ion:188 Resp: 531329

Ion Ratio Lower Upper

188 100

94 10.2 7.6 11.4

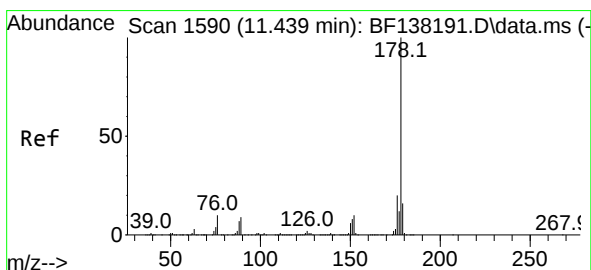
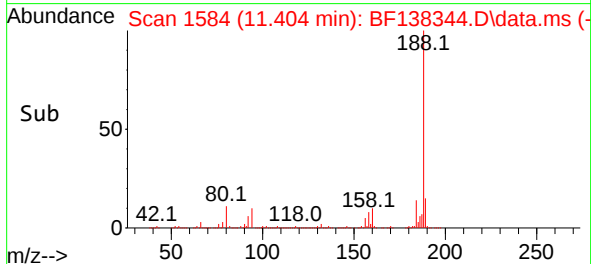
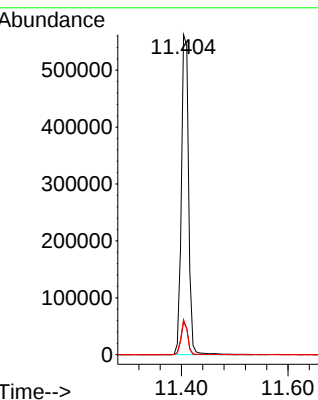
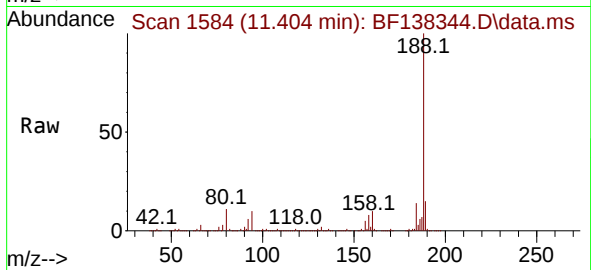
80 11.0 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#71

Phenanthrene

Concen: 14.096 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

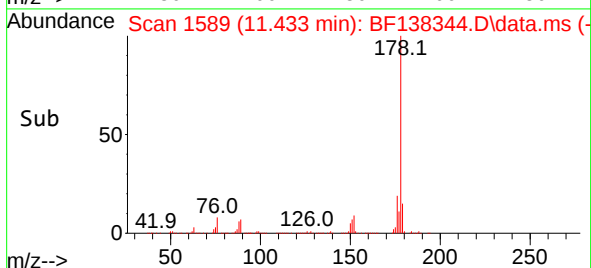
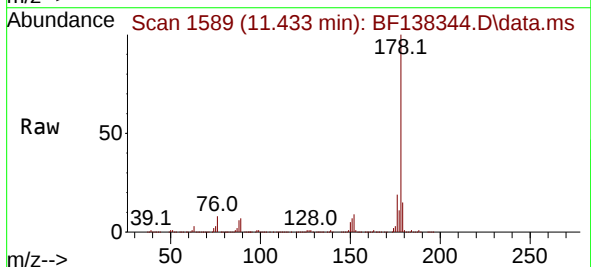
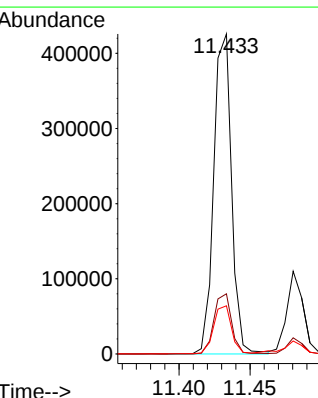
Tgt Ion:178 Resp: 370380

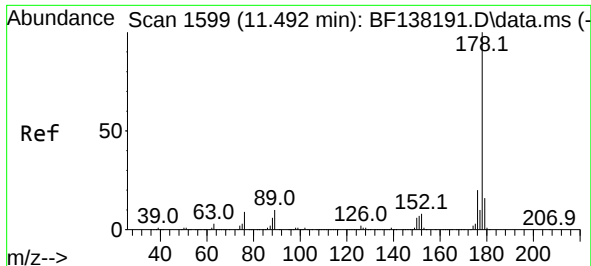
Ion Ratio Lower Upper

178 100

176 18.8 16.4 24.6

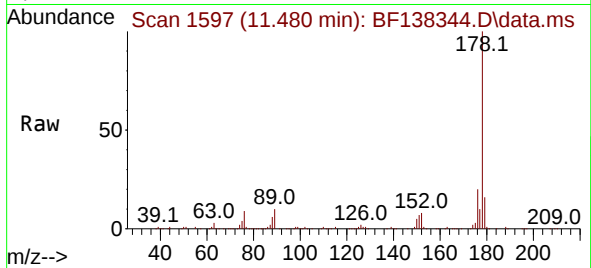
179 15.1 13.1 19.7





#72
 Anthracene
 Concen: 3.213 ng
 RT: 11.480 min Scan# 1599
 Delta R.T. -0.012 min
 Lab File: BF138344.D
 Acq: 25 Jun 2024 20:08

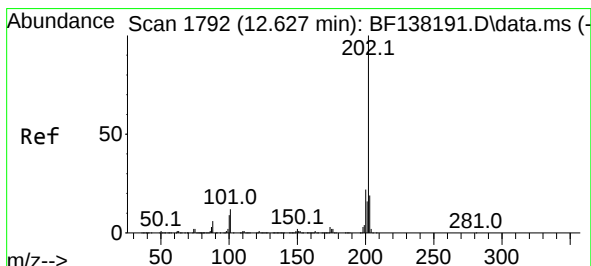
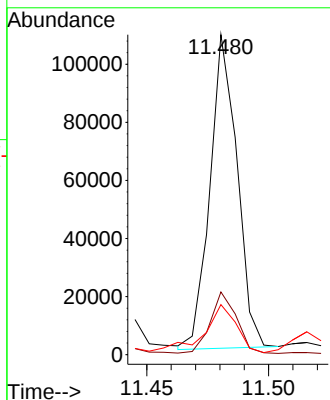
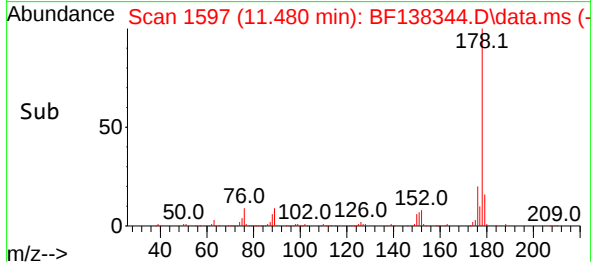
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0015



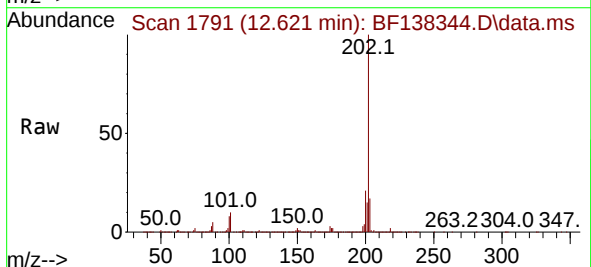
Tgt Ion:178 Resp: 83814
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.7 23.5
 179 15.6 13.0 19.6

Manual Integrations
 APPROVED

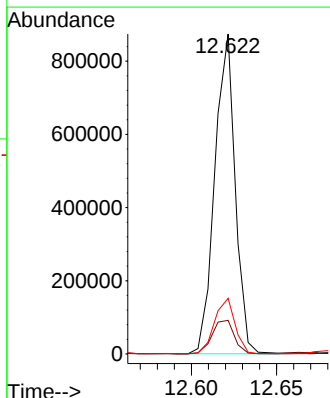
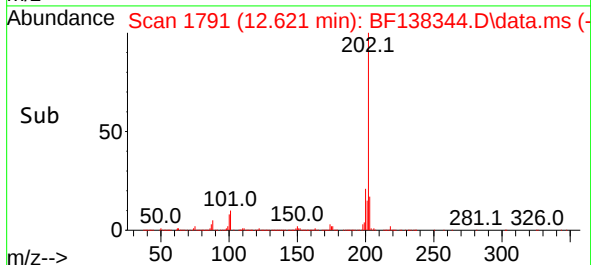
Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024

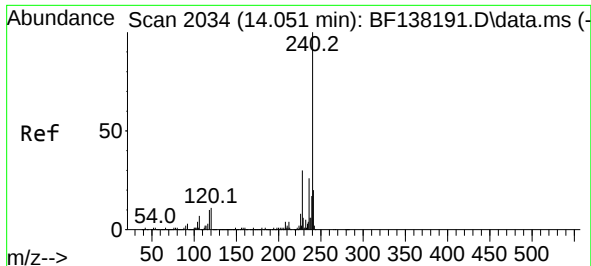


#75
 Fluoranthene
 Concen: 27.157 ng
 RT: 12.621 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: BF138344.D
 Acq: 25 Jun 2024 20:08



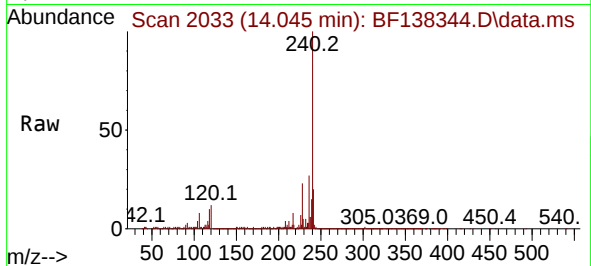
Tgt Ion:202 Resp: 727646
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 31.8
 203 17.4 0.0 38.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

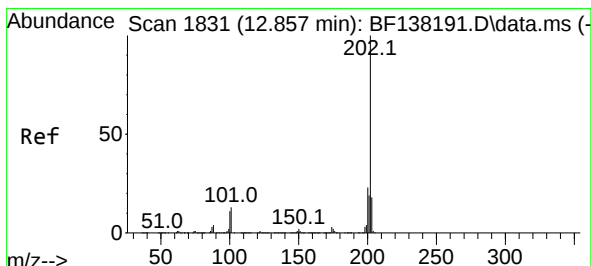
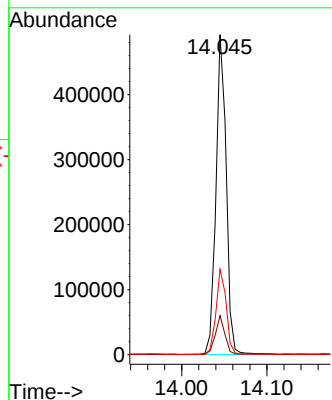
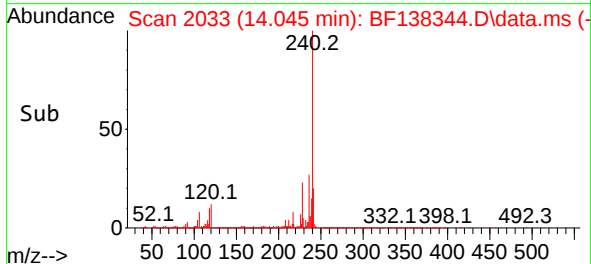
Instrument :
BNA_F
ClientSampleId :
ARS20-0015



Tgt Ion:240 Resp: 41270
Ion Ratio Lower Upper
240 100
120 12.2 9.2 13.8
236 26.6 21.0 31.6

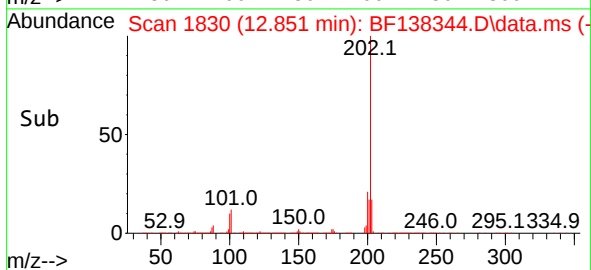
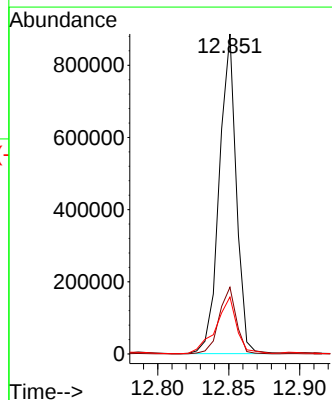
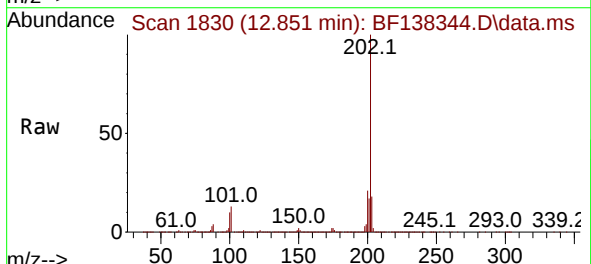
Manual Integrations
APPROVED

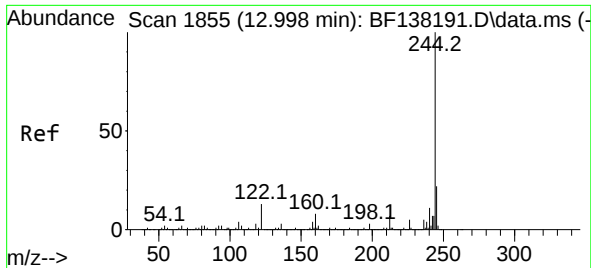
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#78
Pyrene
Concen: 20.739 ng
RT: 12.851 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Tgt Ion:202 Resp: 738279
Ion Ratio Lower Upper
202 100
200 20.8 18.0 27.0
203 17.8 14.7 22.1





#79
 Terphenyl-d14
 Concen: 6.410 ng
 RT: 12.986 min Scan# 1853
 Delta R.T. -0.012 min
 Lab File: BF138344.D
 Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

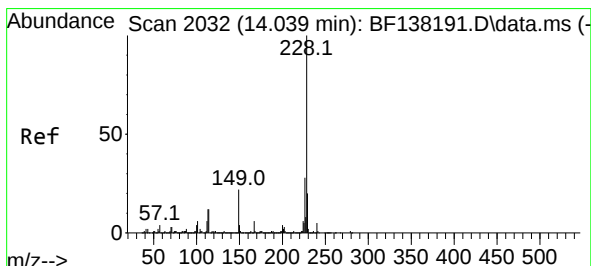
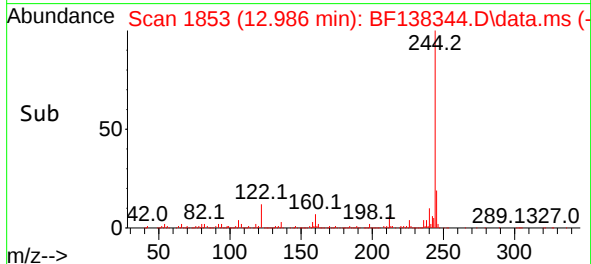
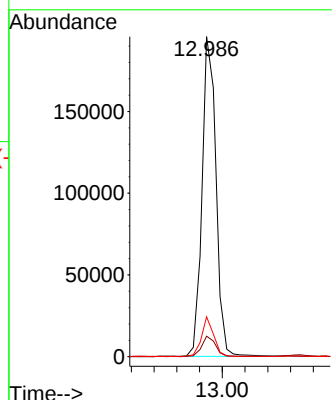
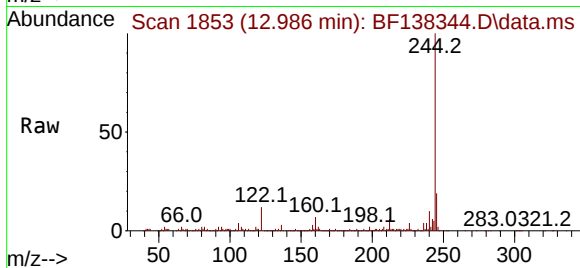
ClientSampleId :

ARS20-0015

Tgt Ion:244 Resp: 167032
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.9 8.9
 122 12.4 10.6 15.8

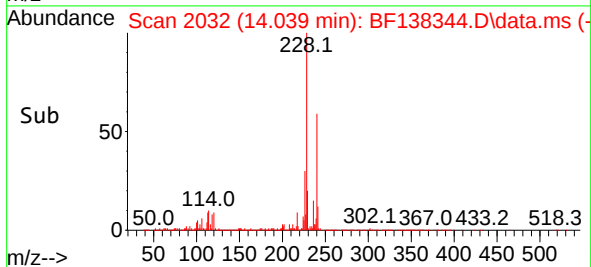
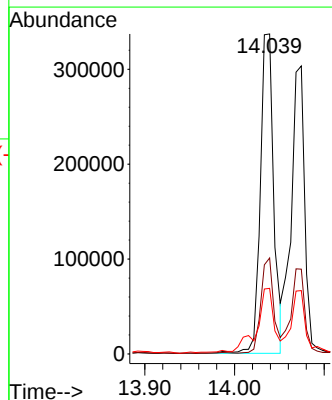
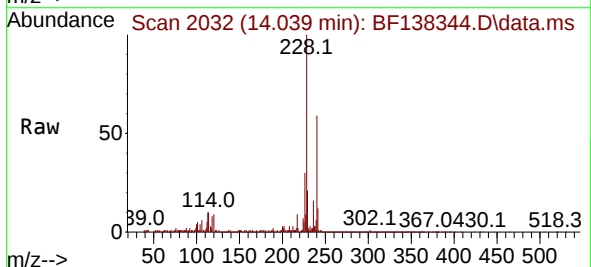
Manual Integrations
 APPROVED

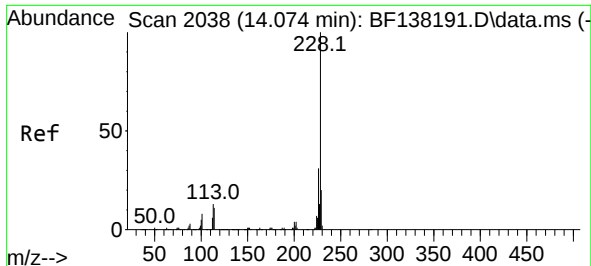
Reviewed By :Yogesh Patel 06/26/2024
 Supervised By :mohammad ahmed 06/27/2024



#81
 Benzo(a)anthracene
 Concen: 13.245 ng
 RT: 14.039 min Scan# 2032
 Delta R.T. -0.000 min
 Lab File: BF138344.D
 Acq: 25 Jun 2024 20:08

Tgt Ion:228 Resp: 350695
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.5 33.7
 229 20.5 16.3 24.5





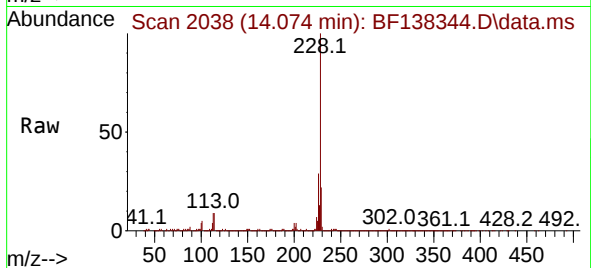
#83
Chrysene
Concen: 12.616 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015



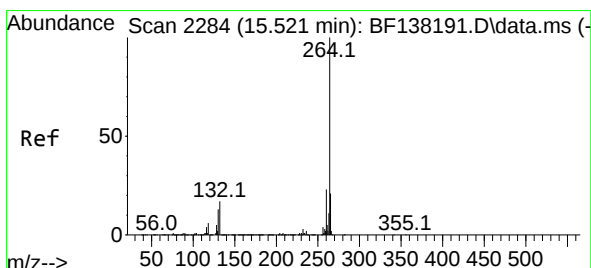
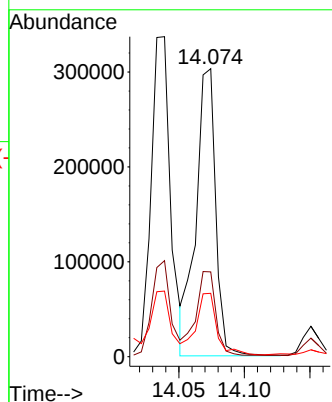
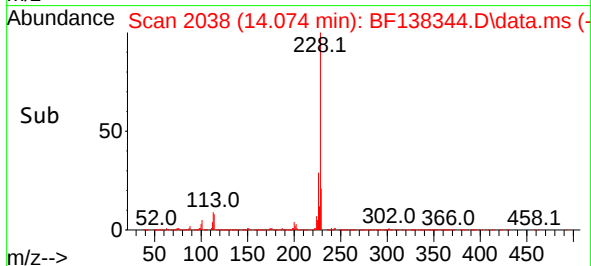
Tgt Ion:228 Resp: 318390
Ion Ratio Lower Upper
228 100
226 29.5 24.5 36.7
229 22.0 16.3 24.5

Manual Integrations

APPROVED

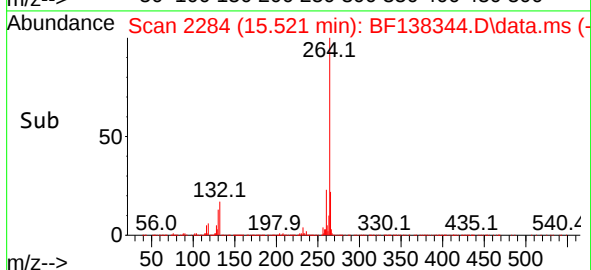
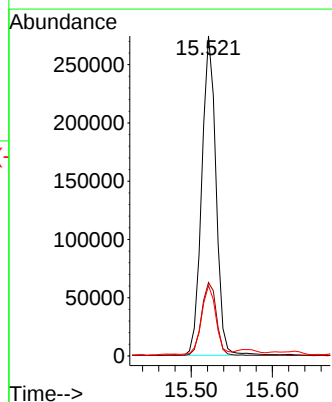
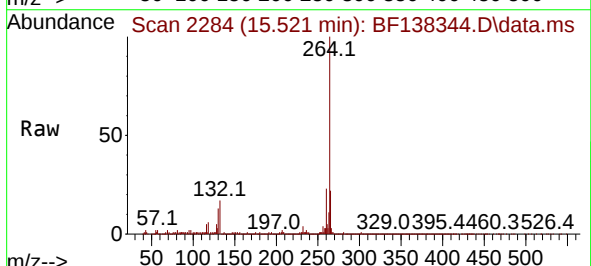
Reviewed By :Yogesh Patel 06/26/2024

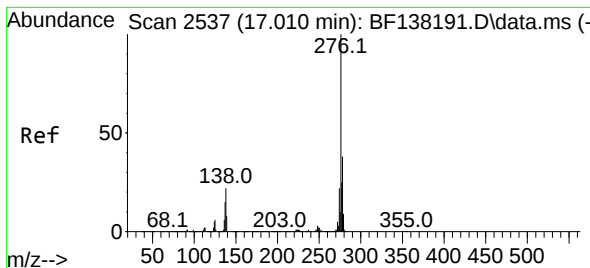
Supervised By :mohammad ahmed 06/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Tgt Ion:264 Resp: 334390
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.555 ng

RT: 16.998 min Scan# 2110

Delta R.T. -0.012 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

Instrument :

BNA_F

ClientSampleId :

ARS20-0015

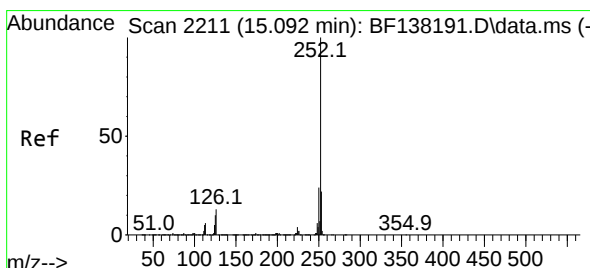
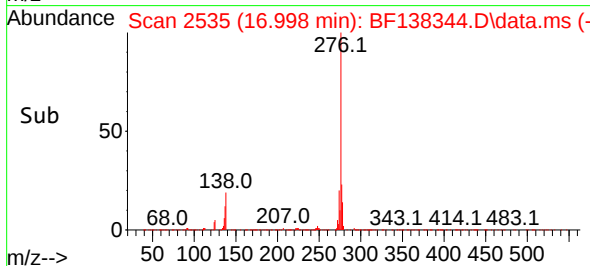
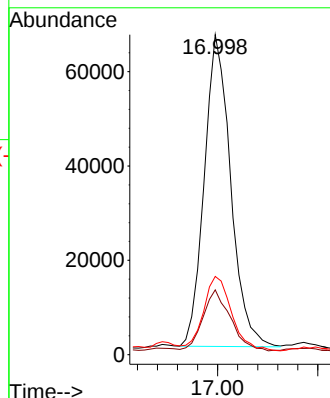
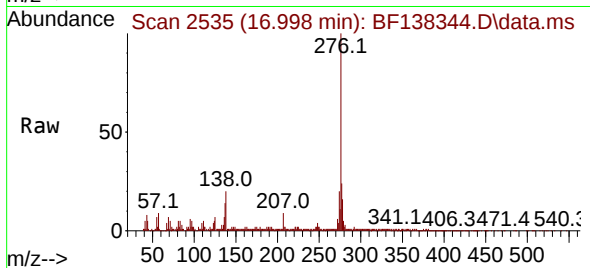
Tgt Ion:	276	Resp:	12109
Ion Ratio	Lower	Upper	
276	100		
138	20.8	19.3	28.9
277	25.6	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/26/2024

Supervised By :mohammad ahmed 06/27/2024



#88

Benzo(b)fluoranthene

Concen: 16.563 ng m

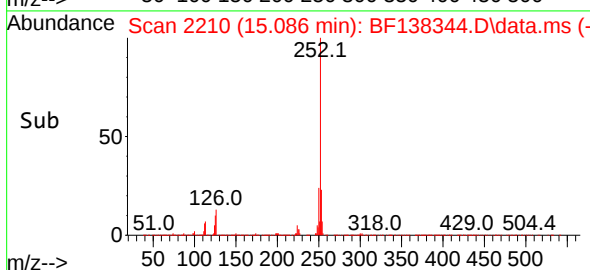
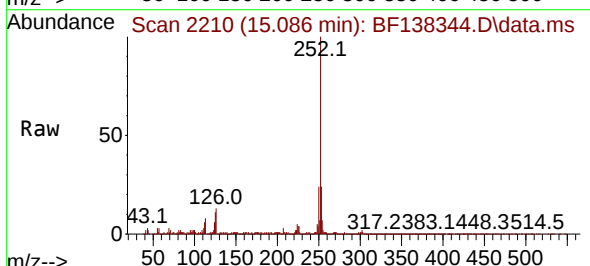
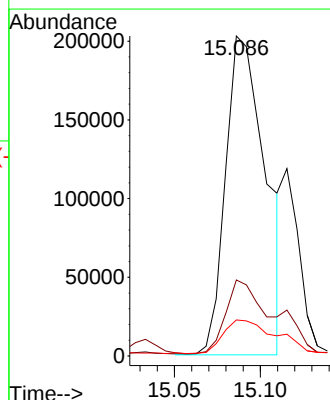
RT: 15.086 min Scan# 2210

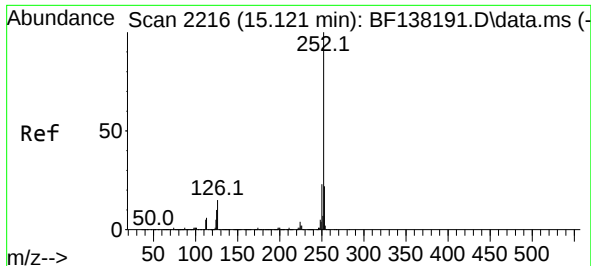
Delta R.T. -0.006 min

Lab File: BF138344.D

Acq: 25 Jun 2024 20:08

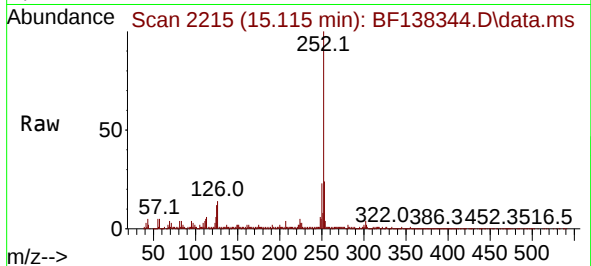
Tgt Ion:	252	Resp:	326607
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.7	26.5
125	11.2	7.8	11.8





#89
Benzo(k)fluoranthene
Concen: 4.219 ng m
RT: 15.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

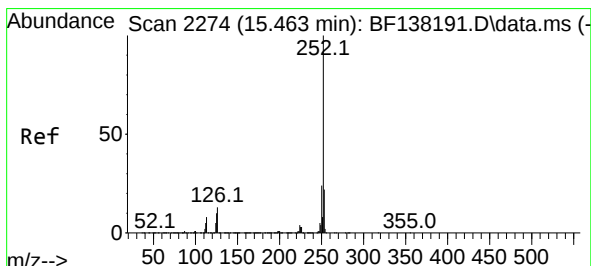
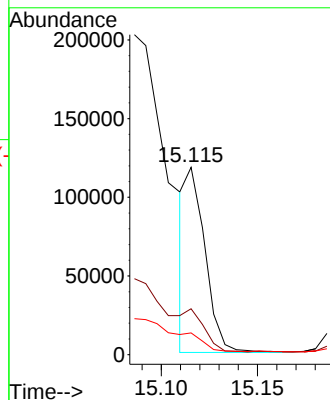
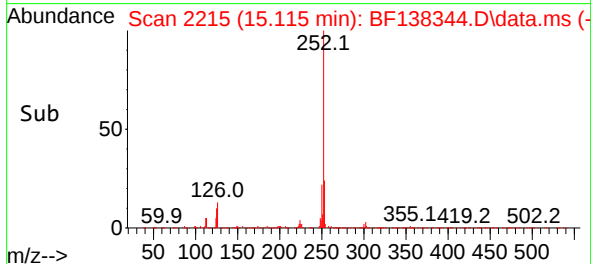
Instrument :
BNA_F
ClientSampleId :
ARS20-0015



Tgt Ion:252 Resp: 8153
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 11.7 8.0 12.0

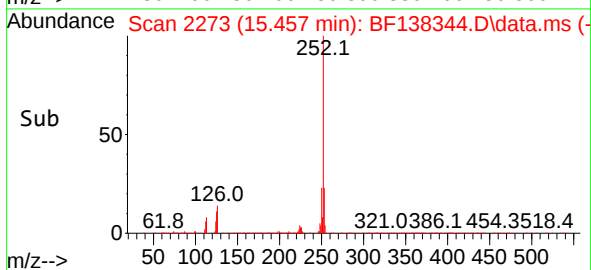
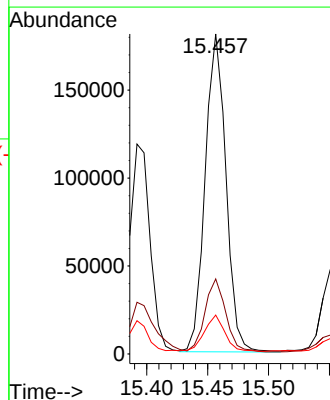
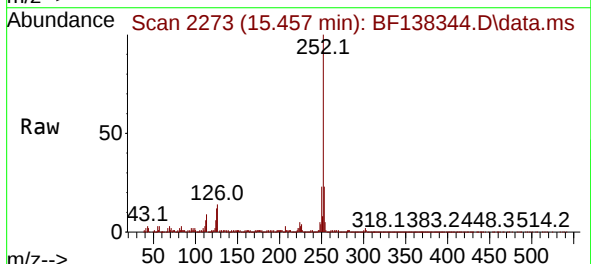
Manual Integrations
APPROVED

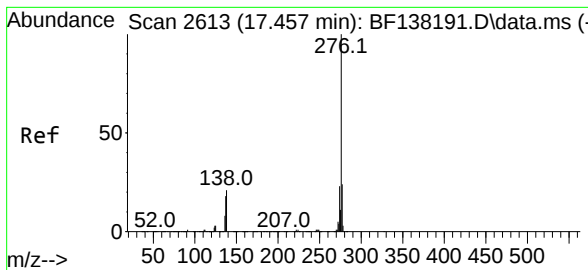
Reviewed By :Yogesh Patel 06/26/2024
Supervised By :mohammad ahmed 06/27/2024



#90
Benzo(a)pyrene
Concen: 12.641 ng
RT: 15.457 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

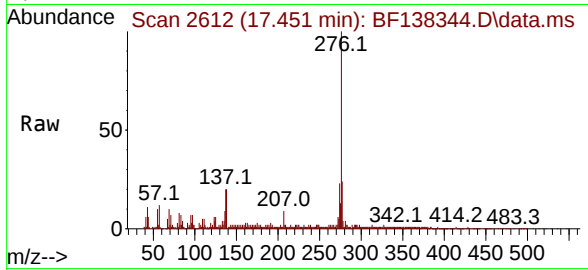
Tgt Ion:252 Resp: 214151
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 12.1 8.2 12.2





#92
Benzo(g,h,i)perylene
Concen: 6.397 ng
RT: 17.451 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138344.D
Acq: 25 Jun 2024 20:08

Instrument :
BNA_F
ClientSampleId :
ARS20-0015



Tgt Ion:276 Resp: 118410
Ion Ratio Lower Upper
276 100
277 24.0 19.5 29.3
138 19.9 16.6 24.8

Manual Integrations
APPROVED

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

