

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
 Data File : BF138599.D
 Acq On : 19 Jul 2024 20:03
 Operator : RC/JU
 Sample : P3294-05 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-071724

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/22/2024
 Supervised By :mohammad ahmed 07/22/2024

Quant Time: Jul 19 23:19:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	76016	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	282553	20.000	ng	-0.01
39) Acenaphthene-d10	9.892	164	126001	20.000	ng	-0.01
64) Phenanthrene-d10	11.380	188	187550	20.000	ng	0.00
76) Chrysene-d12	14.015	240	132401	20.000	ng	-0.01
86) Perylene-d12	15.480	264	110043	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	40923	8.526	ng	-0.01
7) Phenol-d6	6.487	99	52630	8.243	ng	-0.02
23) Nitrobenzene-d5	7.416	82	33952	5.900	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	7951	6.752	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	54133	6.715	ng	-0.02
79) Terphenyl-d14	12.963	244	49469	6.087	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.404	178	77416	8.170	ng	98
72) Anthracene	11.457	178	22610m	2.404	ng	
75) Fluoranthene	12.592	202	76022	7.863	ng	96
78) Pyrene	12.821	202	64301	4.784	ng	97
81) Benzo(a)anthracene	14.004	228	28191	3.173	ng	# 91
83) Chrysene	14.039	228	23597	2.808	ng	# 92
88) Benzo(b)fluoranthene	15.057	252	22164m	3.576	ng	
90) Benzo(a)pyrene	15.415	252	14940	2.744	ng	# 75

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

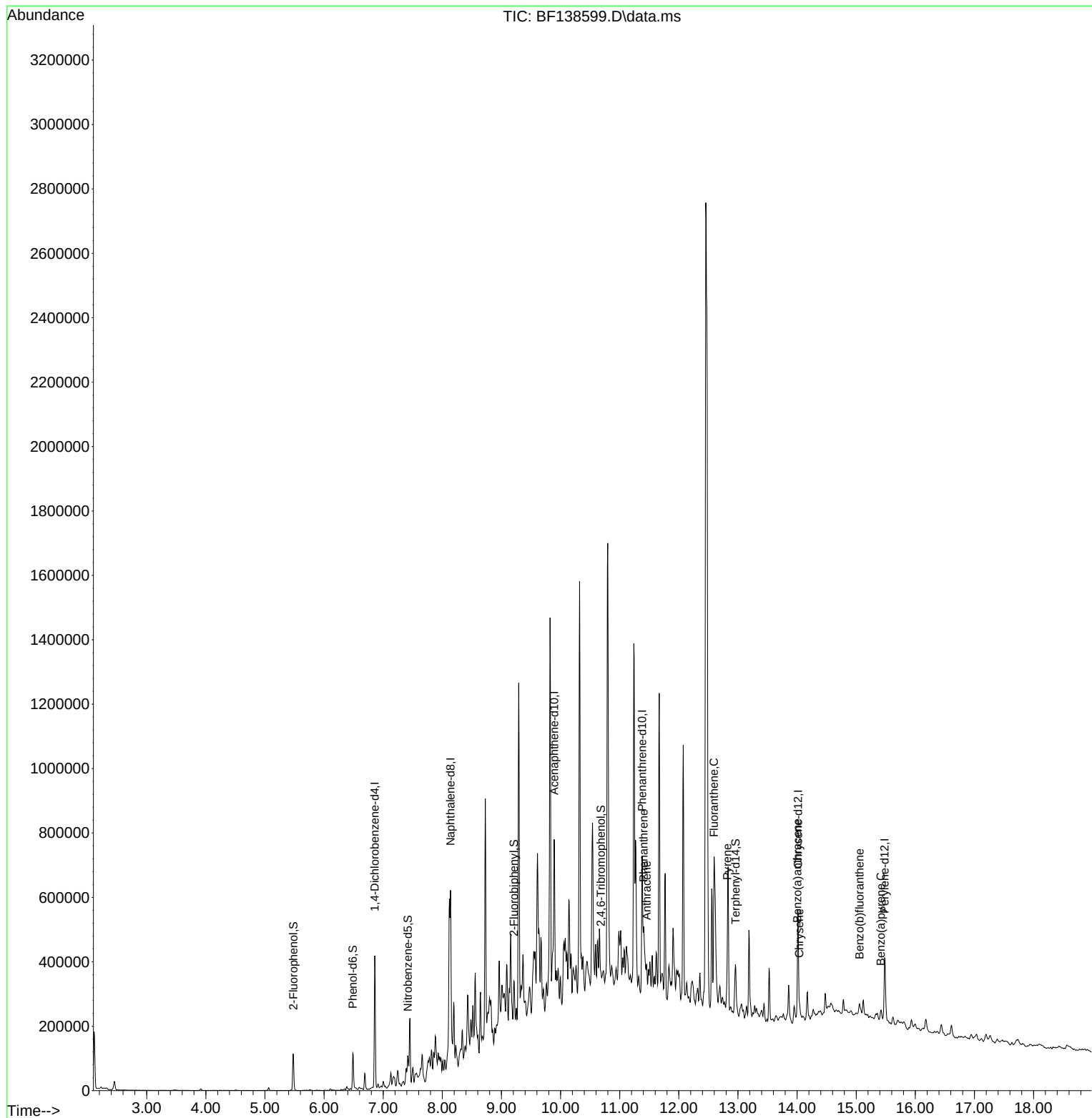
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071924\
Data File : BF138599.D
Acq On : 19 Jul 2024 20:03
Operator : RC/JU
Sample : P3294-05 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

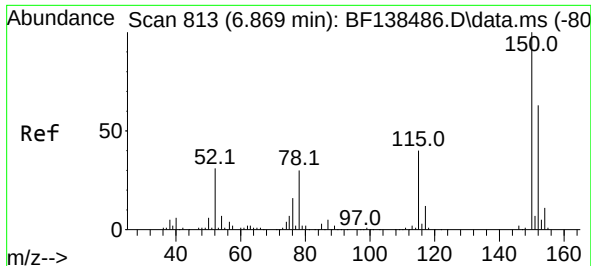
Instrument :
BNA_F
ClientSampleId :
HR-4-071724

Quant Time: Jul 19 23:19:40 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 09 16:58:40 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

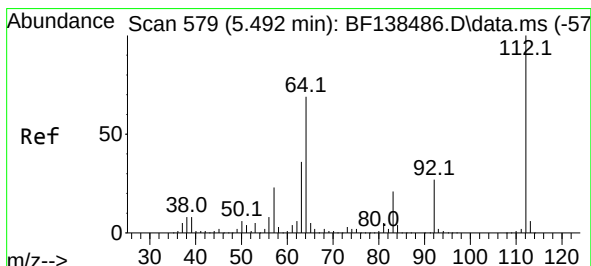
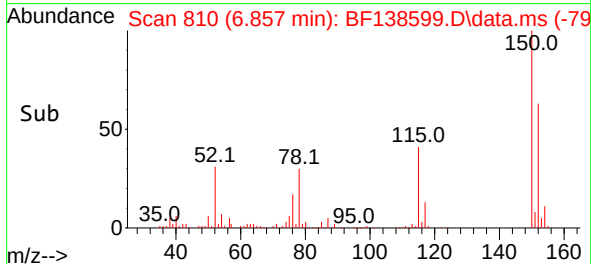
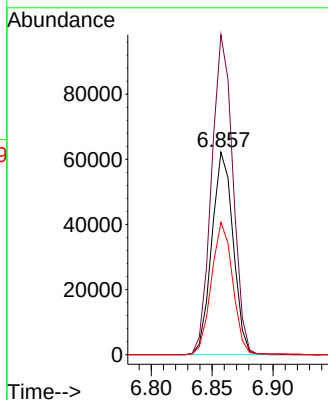
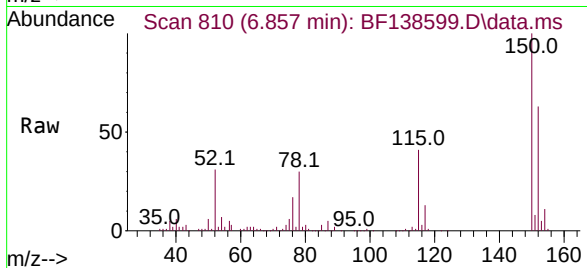
HR-4-071724

Tgt Ion:152 Resp: 76010
Ion Ratio Lower Upper
152 100
150 158.1 126.2 189.4
115 65.4 50.3 75.5

Manual Integrations

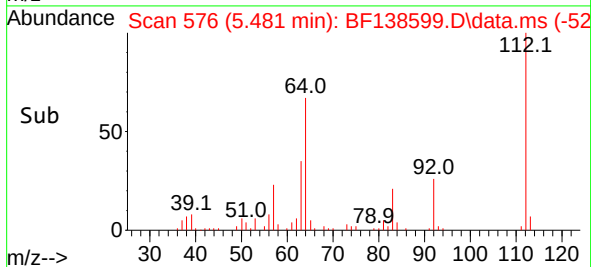
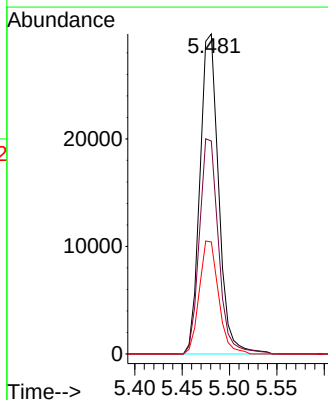
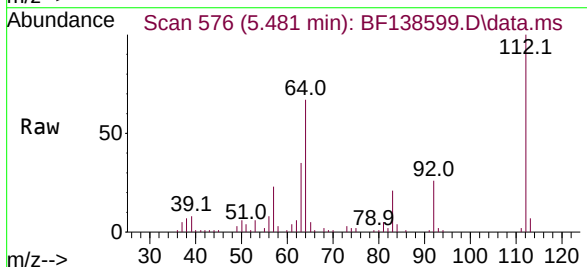
APPROVED

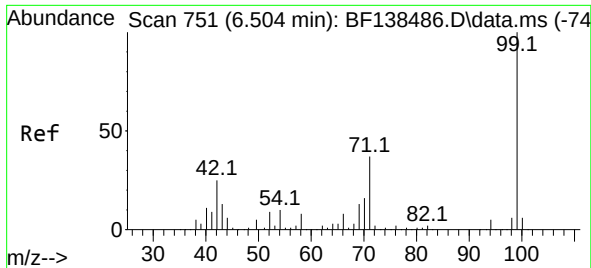
Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



#5
2-Fluorophenol
Concen: 8.526 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

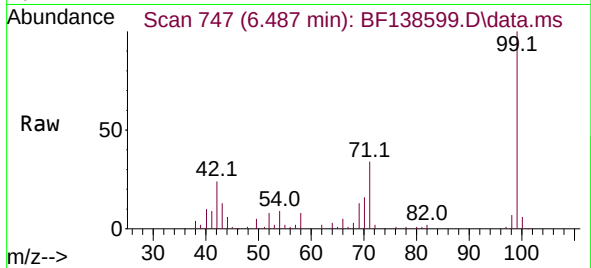
Tgt Ion:112 Resp: 40923
Ion Ratio Lower Upper
112 100
64 66.5 55.1 82.7
63 35.0 29.0 43.6





#7
Phenol-d6
Concen: 8.243 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

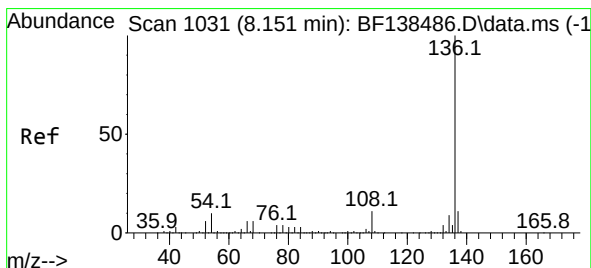
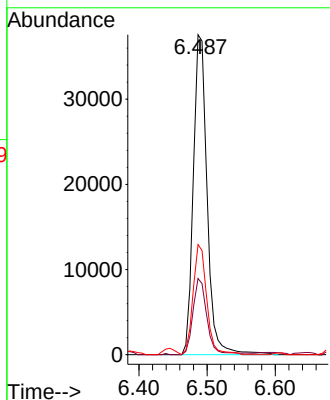
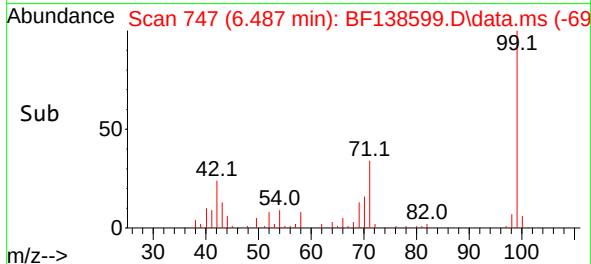
Instrument :
BNA_F
ClientSampleId :
HR-4-071724



Tgt Ion: 99 Resp: 52630
Ion Ratio Lower Upper
99 100
42 23.8 19.7 29.5
71 34.4 29.9 44.9

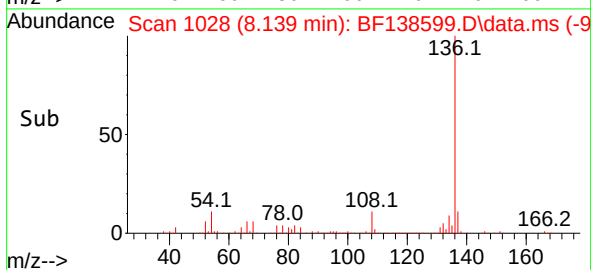
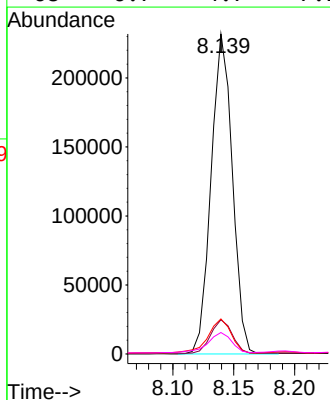
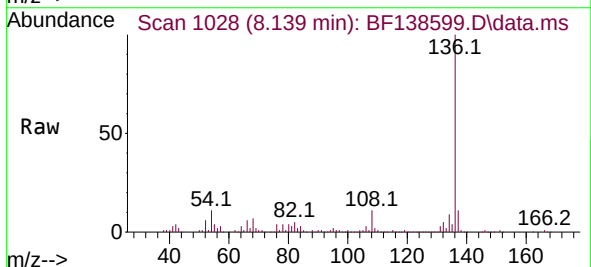
Manual Integrations
APPROVED

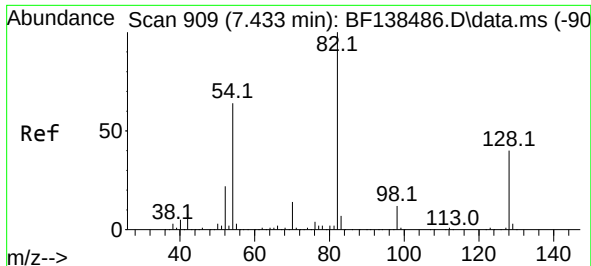
Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1028
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Tgt Ion:136 Resp: 282553
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.9 8.1 12.1
68 6.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 5.900 ng

RT: 7.416 min Scan# 909

Delta R.T. -0.018 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

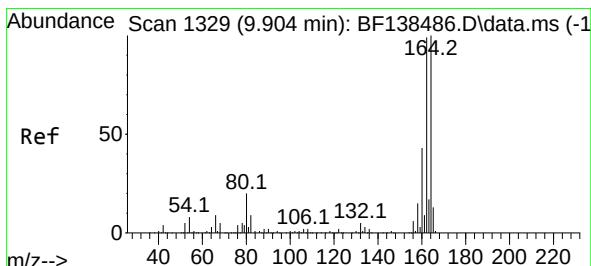
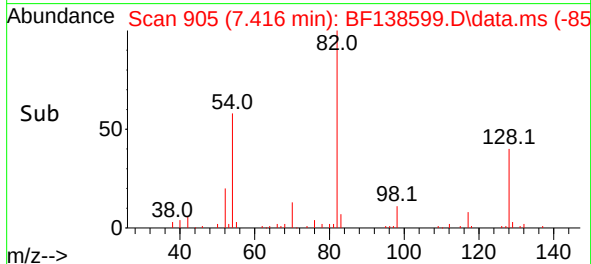
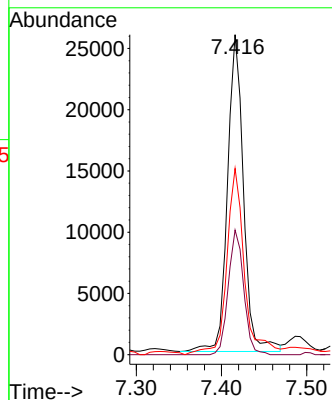
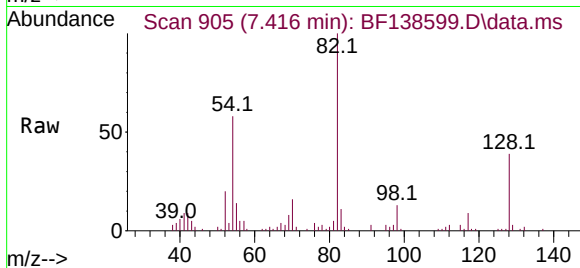
Tgt Ion: 82	Resp: 3395
Ion Ratio	Lower Upper
82 100	
128 38.9	32.3 48.5
54 58.2	51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2024

Supervised By :mohammad ahmed 07/22/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

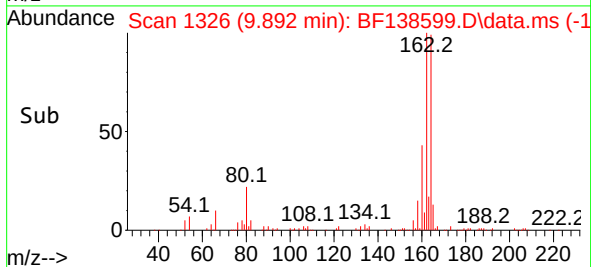
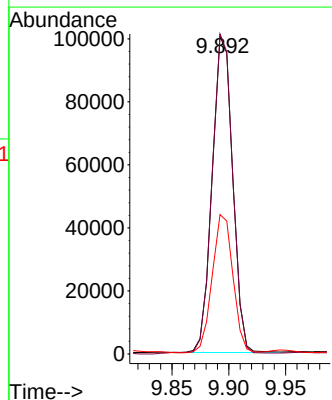
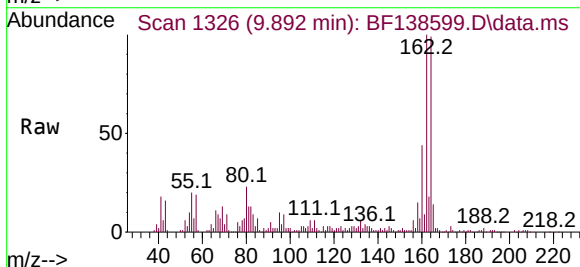
RT: 9.892 min Scan# 1326

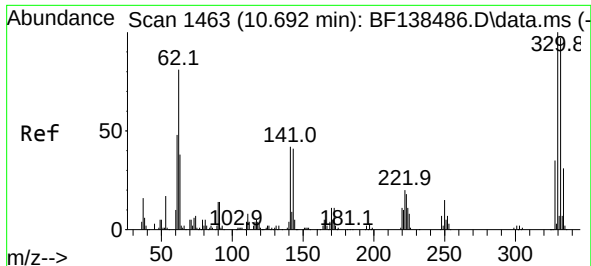
Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

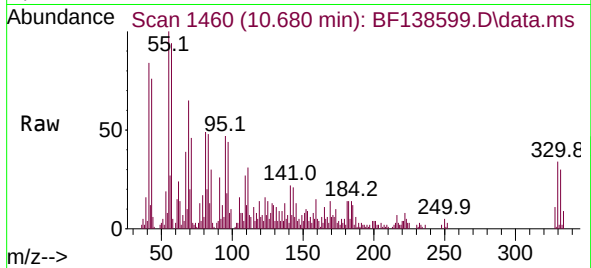
Tgt Ion:164	Resp: 126001
Ion Ratio	Lower Upper
164 100	
162 100.7	79.0 118.6
160 43.8	34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 6.752 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

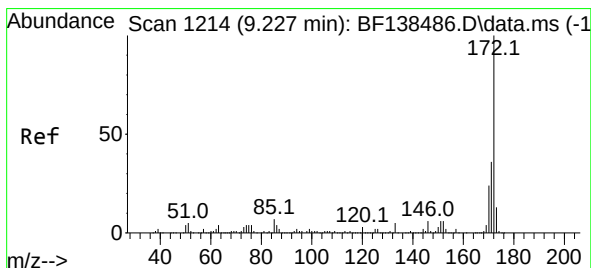
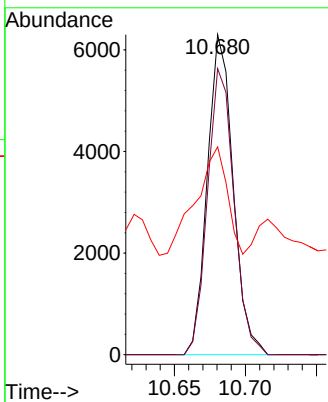
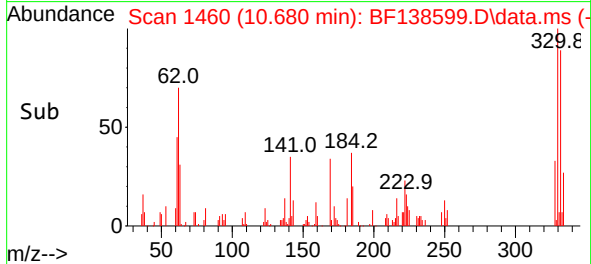
Instrument :
BNA_F
ClientSampleId :
HR-4-071724



Tgt Ion: 330 Resp: 795
Ion Ratio Lower Upper
330 100
332 91.6 76.8 115.2
141 41.1 29.4 44.2

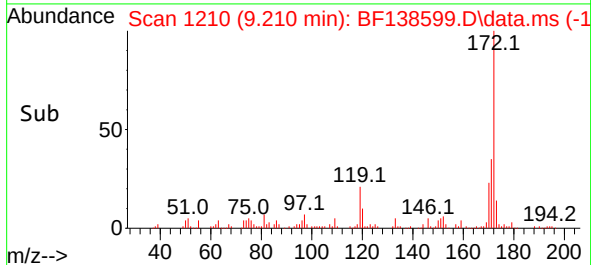
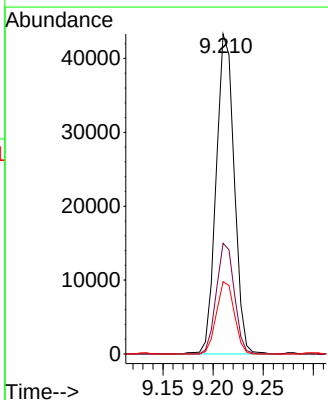
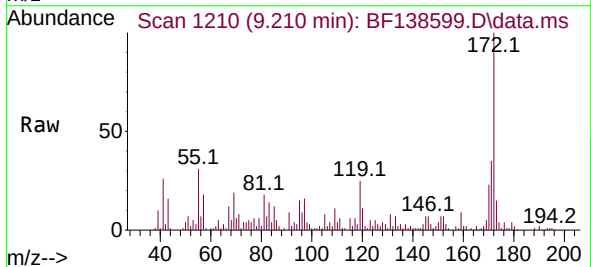
Manual Integrations
APPROVED

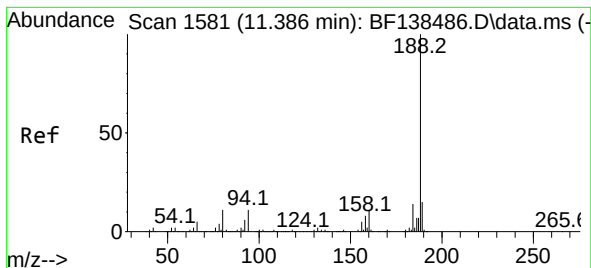
Reviewed By : Yogesh Patel 07/22/2024
Supervised By : mohammad ahmed 07/22/2024



#45
2-Fluorobiphenyl
Concen: 6.715 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.018 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Tgt Ion: 172 Resp: 54133
Ion Ratio Lower Upper
172 100
171 34.6 28.9 43.3
170 22.6 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

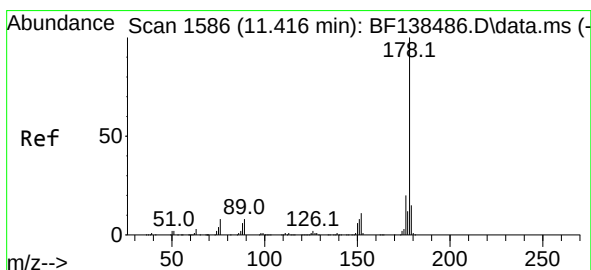
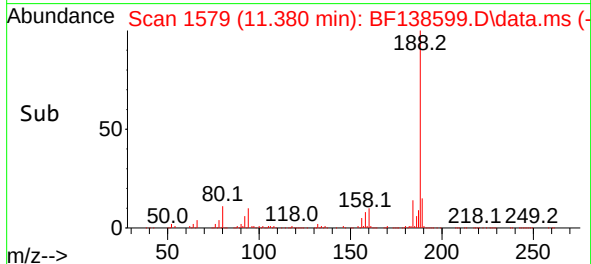
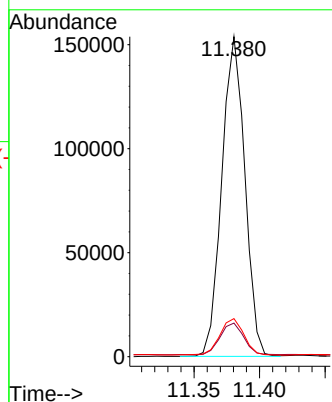
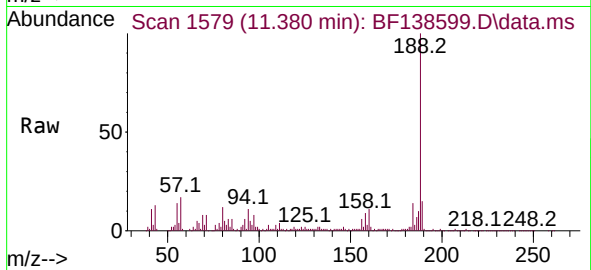
HR-4-071724

Tgt Ion:188 Resp: 187550
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 11.9 9.0 13.4

Manual Integrations

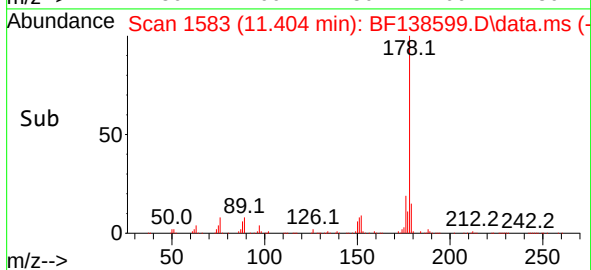
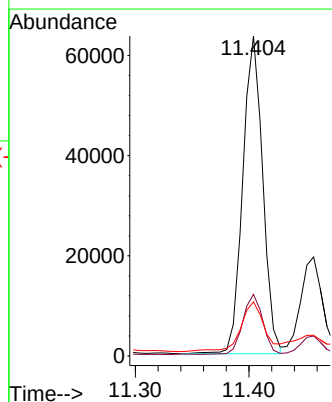
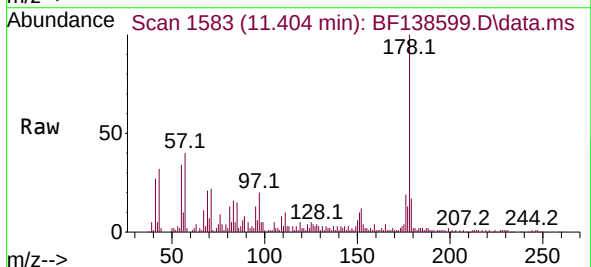
APPROVED

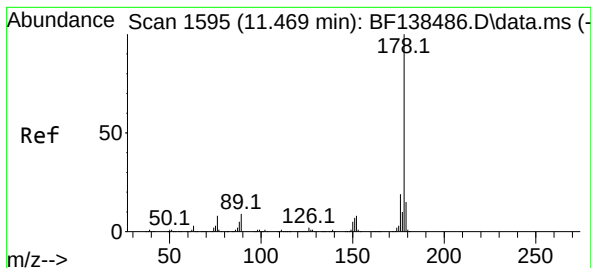
Reviewed By :Yogesh Patel 07/22/2024
Supervised By :mohammad ahmed 07/22/2024



#71
Phenanthrene
Concen: 8.170 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF138599.D
Acq: 19 Jul 2024 20:03

Tgt Ion:178 Resp: 77416
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 16.9 12.2 18.2





#72

Anthracene

Concen: 2.404 ng m

RT: 11.457 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

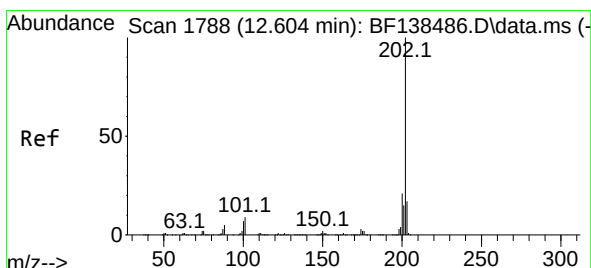
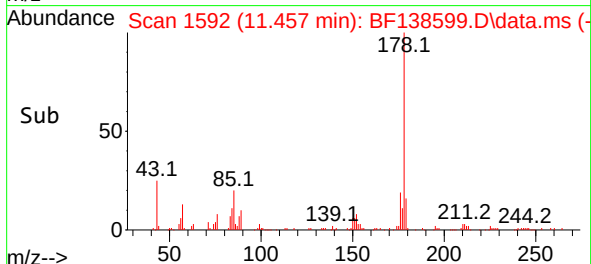
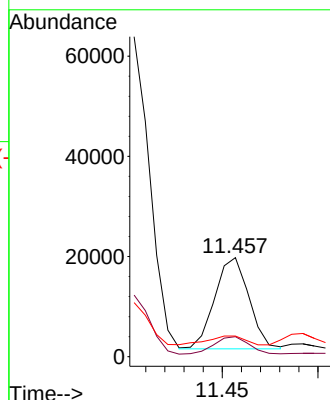
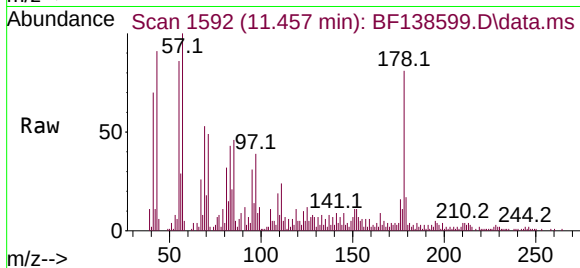
Tgt Ion:	178	Resp:	22610
Ion Ratio	Lower	Upper	
178	100		
176	20.1	14.8	22.2
179	20.9	12.2	18.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2024

Supervised By :mohammad ahmed 07/22/2024



#75

Fluoranthene

Concen: 7.863 ng

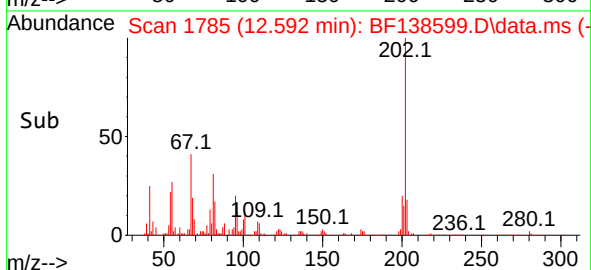
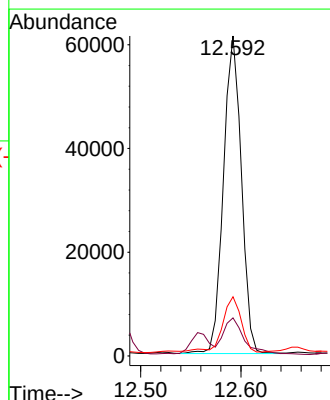
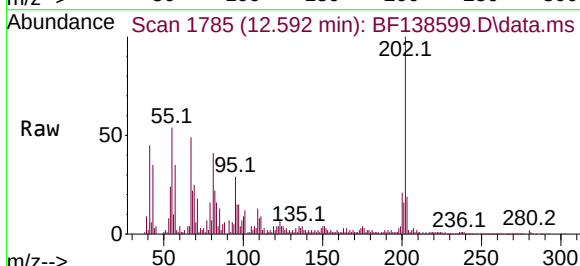
RT: 12.592 min Scan# 1785

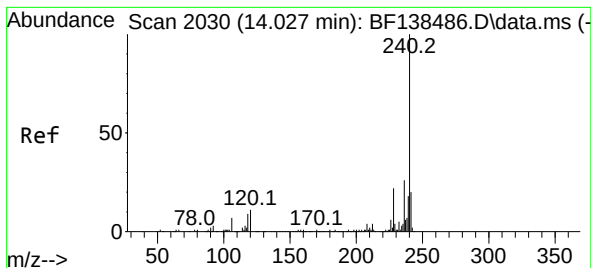
Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Tgt Ion:	202	Resp:	76022
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	29.2
203	18.5	0.0	37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

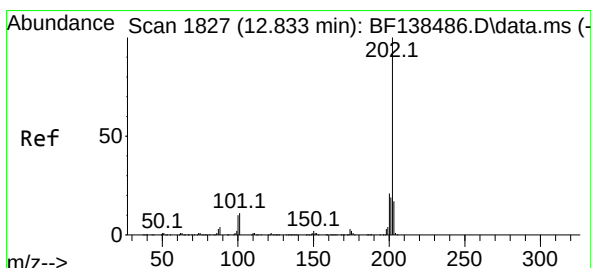
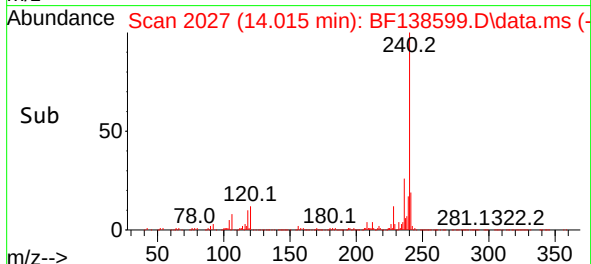
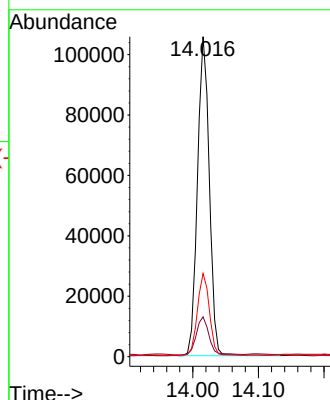
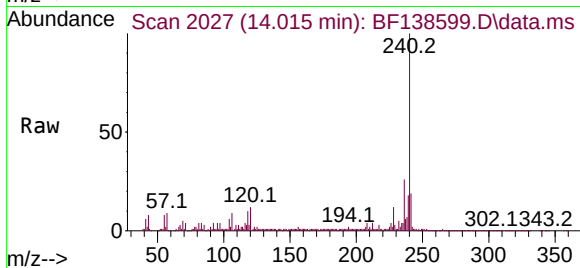
Tgt Ion:240 Resp: 13240
 Ion Ratio Lower Upper
 240 100
 120 12.5 8.6 12.8
 236 26.0 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2024

Supervised By :mohammad ahmed 07/22/2024



#78

Pyrene

Concen: 4.784 ng

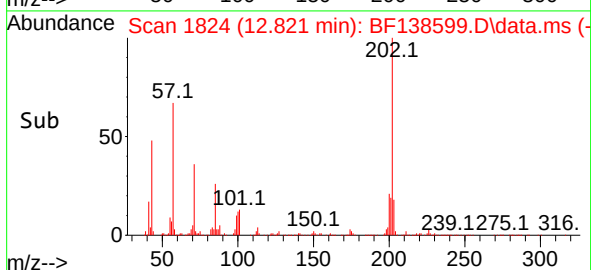
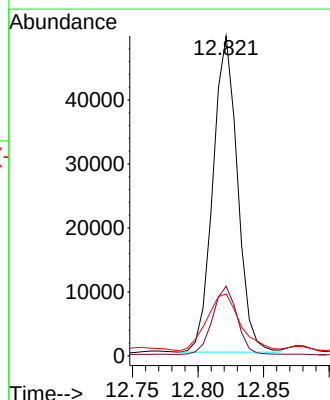
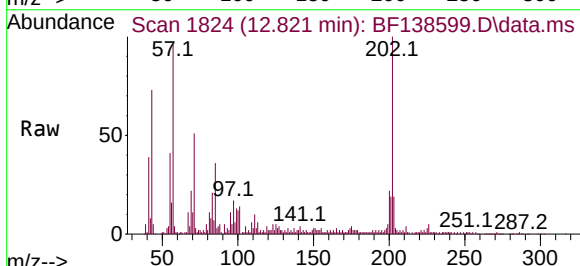
RT: 12.821 min Scan# 1824

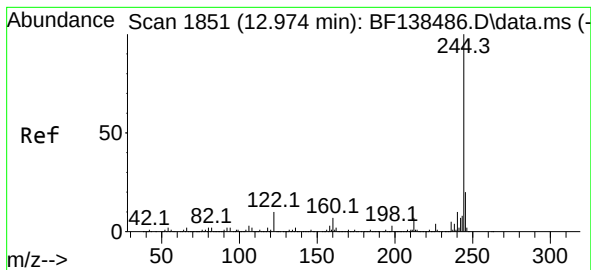
Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Tgt Ion:202 Resp: 64301
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.0 25.6
 203 19.4 13.7 20.5





#79

Terphenyl-d14

Concen: 6.087 ng

RT: 12.963 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

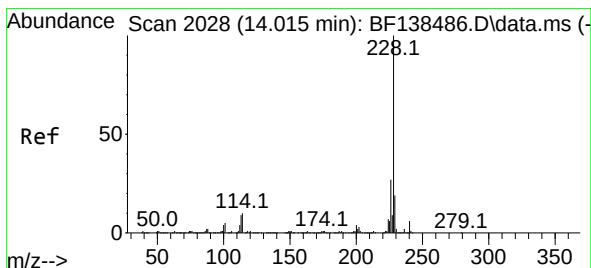
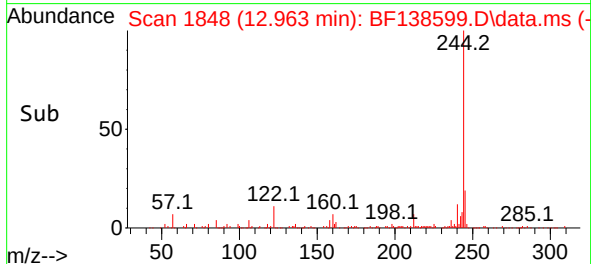
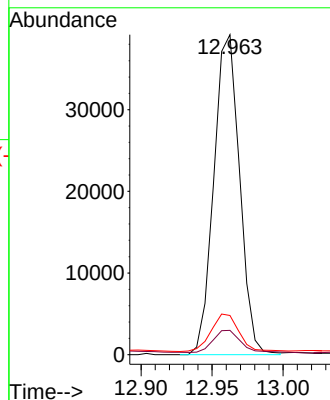
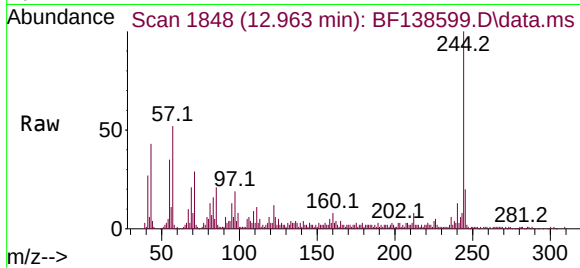
Tgt Ion:244 Resp: 49469
Ion Ratio Lower Upper
244 100
212 7.6 5.5 8.3
122 12.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2024

Supervised By :mohammad ahmed 07/22/2024



#81

Benzo(a)anthracene

Concen: 3.173 ng

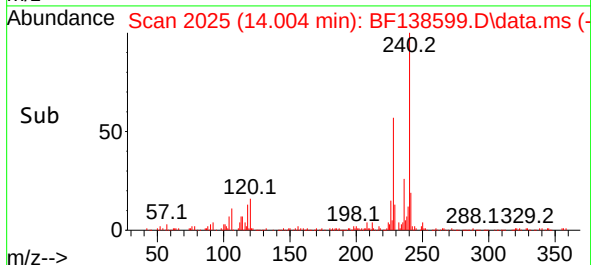
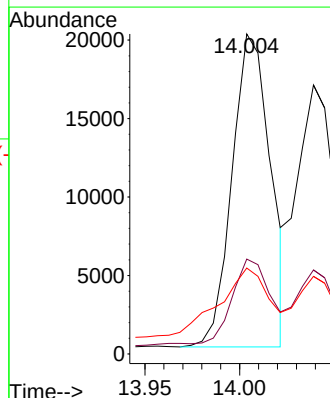
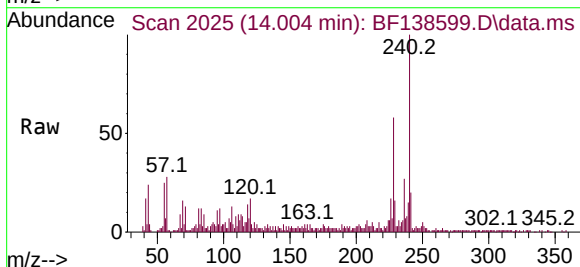
RT: 14.004 min Scan# 2025

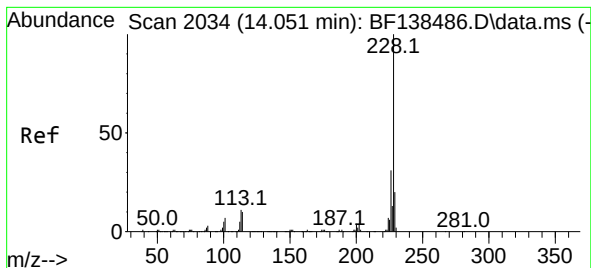
Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Tgt Ion:228 Resp: 28191
Ion Ratio Lower Upper
228 100
226 29.6 21.9 32.9
229 26.9 15.5 23.3





#83

Chrysene

Concen: 2.808 ng

RT: 14.039 min Scan# 2034

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

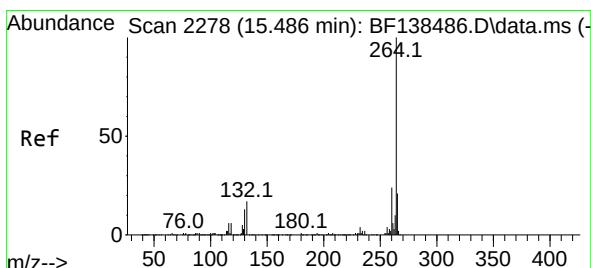
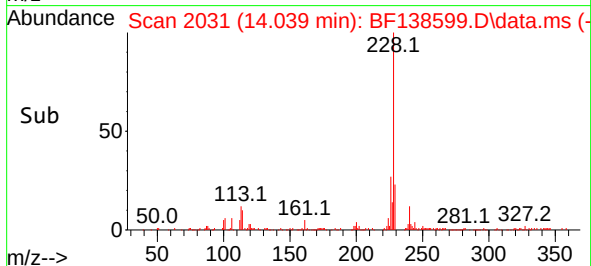
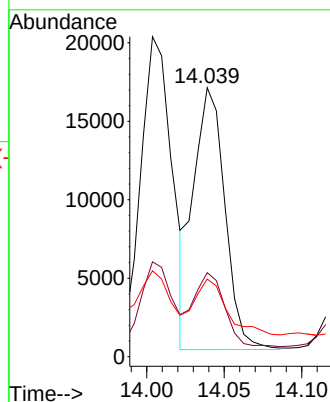
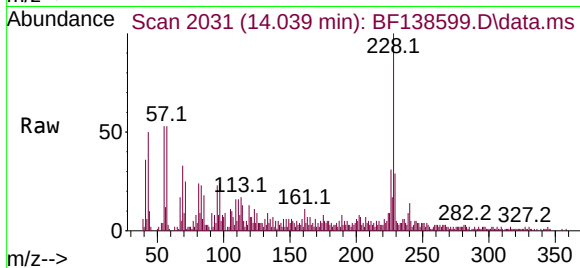
Tgt Ion:	228	Resp:	2359
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.4	36.6
229	28.8	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2024

Supervised By :mohammad ahmed 07/22/2024



#86

Perylene-d12

Concen: 20.000 ng

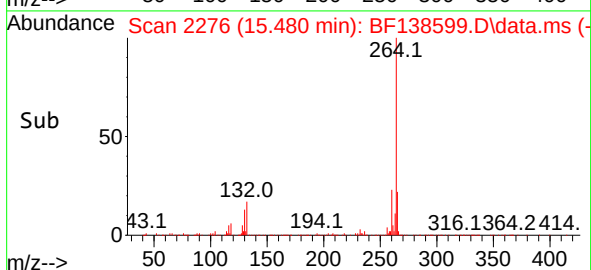
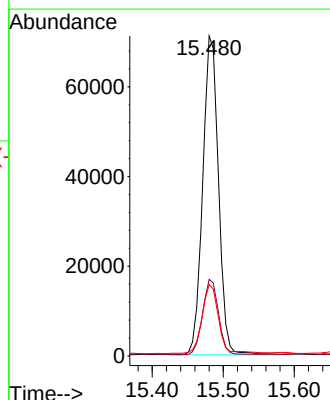
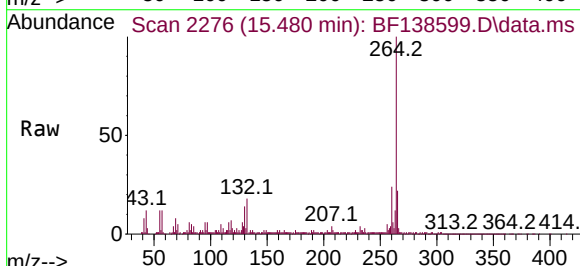
RT: 15.480 min Scan# 2276

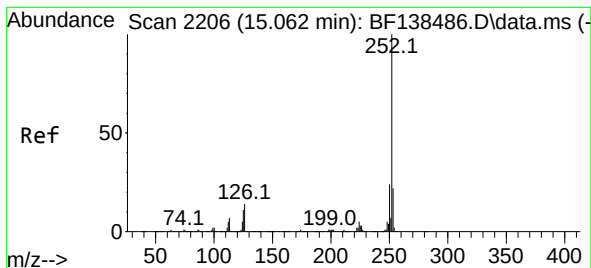
Delta R.T. -0.006 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Tgt Ion:	264	Resp:	110043
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.0	28.6
265	22.4	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 3.576 ng m

RT: 15.057 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Instrument :

BNA_F

ClientSampleId :

HR-4-071724

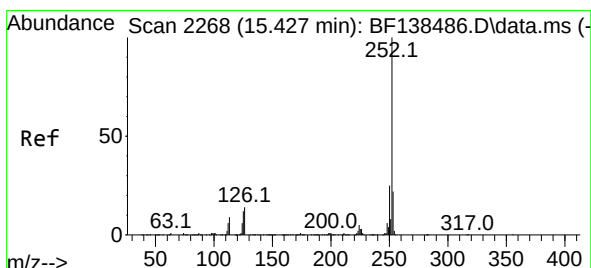
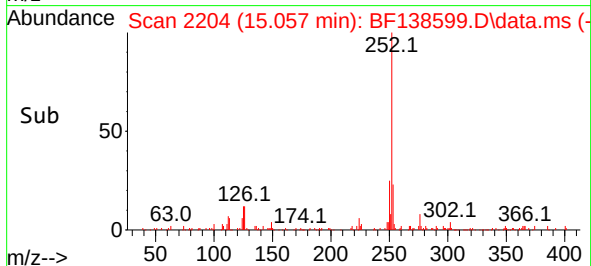
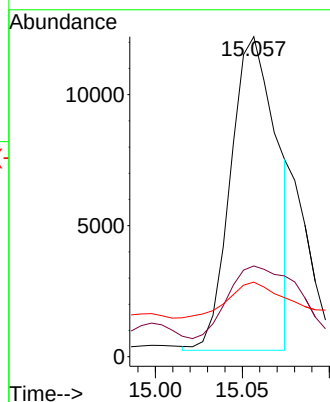
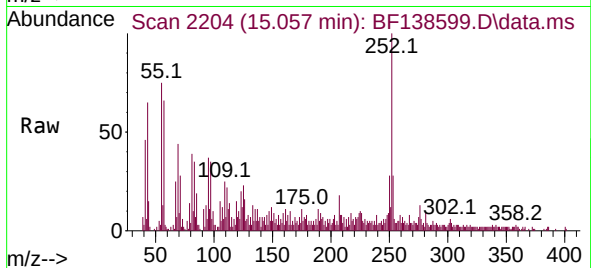
Tgt Ion:	252	Resp:	22164
Ion Ratio	Lower	Upper	
252	100		
253	28.4	17.3	25.9
125	23.3	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/22/2024

Supervised By :mohammad ahmed 07/22/2024



#90

Benzo(a)pyrene

Concen: 2.744 ng

RT: 15.415 min Scan# 2265

Delta R.T. -0.012 min

Lab File: BF138599.D

Acq: 19 Jul 2024 20:03

Tgt Ion:	252	Resp:	14940
Ion Ratio	Lower	Upper	
252	100		
253	31.1	17.4	26.0
125	25.0	9.4	14.2

