

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
 Data File : BF138997.D
 Acq On : 14 Aug 2024 16:42
 Operator : RC/JU
 Sample : P3548-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200036

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

Quant Time: Aug 14 17:28:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	36638	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	143446	20.000	ng	#-0.01
39) Acenaphthene-d10	9.863	164	67062	20.000	ng	-0.02
64) Phenanthrene-d10	11.351	188	89927	20.000	ng	-0.02
76) Chrysene-d12	13.998	240	70837	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	56621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	209473	88.256	ng	0.00
7) Phenol-d6	6.481	99	289361	90.805	ng	0.00
23) Nitrobenzene-d5	7.398	82	175679	59.877	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	40057	72.920	ng	-0.01
45) 2-Fluorobiphenyl	9.187	172	232413	52.071	ng	-0.02
79) Terphenyl-d14	12.933	244	176086	41.619	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.375	178	74594	16.109	ng	99
72) Anthracene	11.433	178	14856	3.257	ng	97
75) Fluoranthene	12.569	202	88634	20.503	ng	98
78) Pyrene	12.798	202	71204	10.676	ng	98
81) Benzo(a)anthracene	13.986	228	44984	9.222	ng	95
83) Chrysene	14.022	228	34370	7.810	ng	97
84) Bis(2-ethylhexyl)phtha...	13.957	149	18804	6.013	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.939	276	11574	2.852	ng	# 89
88) Benzo(b)fluoranthene	15.039	252	40283m	11.477	ng	
89) Benzo(k)fluoranthene	15.057	252	11182m	3.680	ng	
90) Benzo(a)pyrene	15.404	252	24069m	8.152	ng	
92) Benzo(g,h,i)perylene	17.386	276	10167	2.941	ng	# 94

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

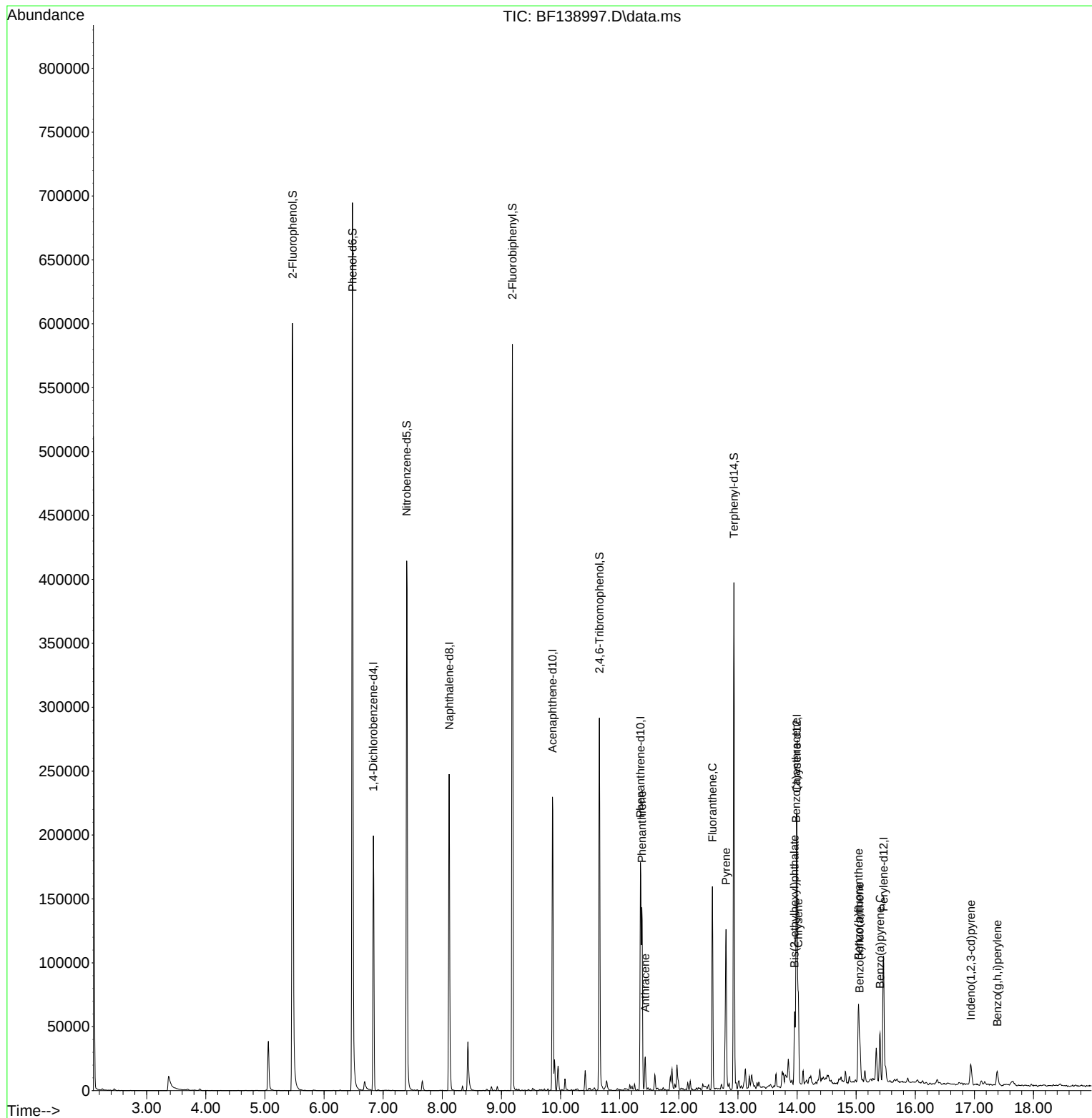
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081424\
Data File : BF138997.D
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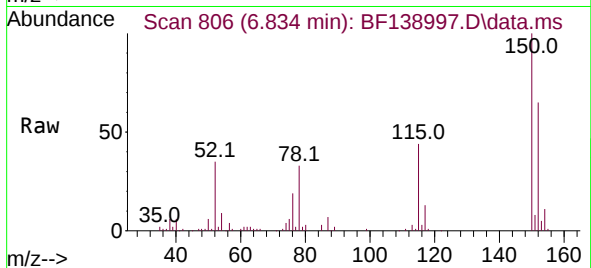
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036



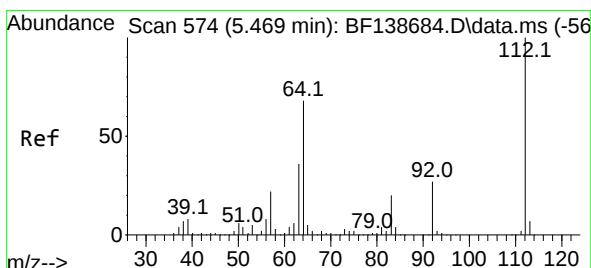
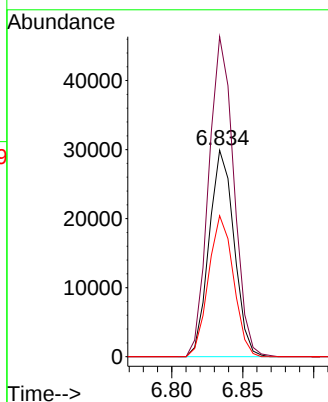
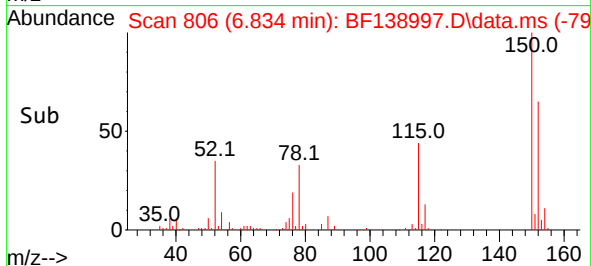
Tgt Ion:152 Resp: 36638
Ion Ratio Lower Upper
152 100
150 155.0 126.0 189.0
115 68.3 51.7 77.5

Manual Integrations

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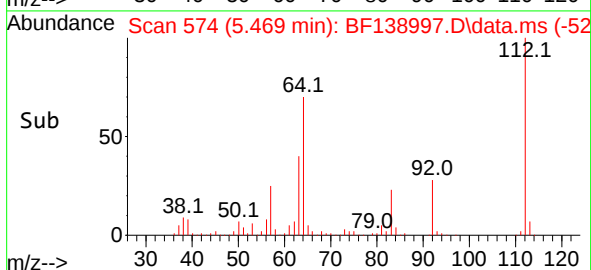
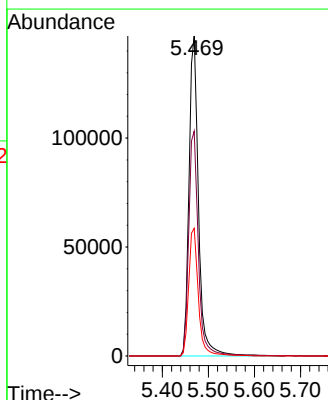
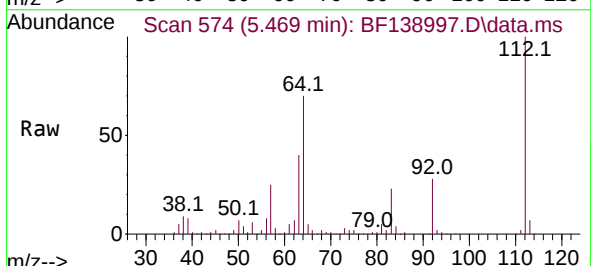
Reviewed By :Yogesh Patel 08/15/2024

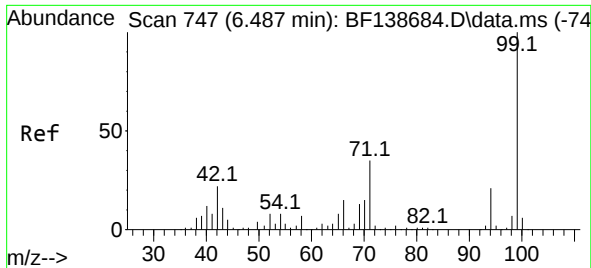
Supervised By :mohammad ahmed 08/16/2024



#5
2-Fluorophenol
Concen: 88.256 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

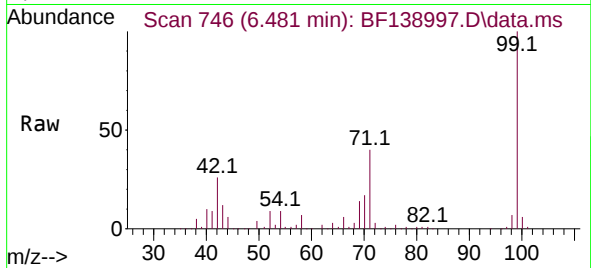
Tgt Ion:112 Resp: 209473
Ion Ratio Lower Upper
112 100
64 70.3 54.2 81.4
63 39.9 28.7 43.1





#7
Phenol-d6
Concen: 90.805 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

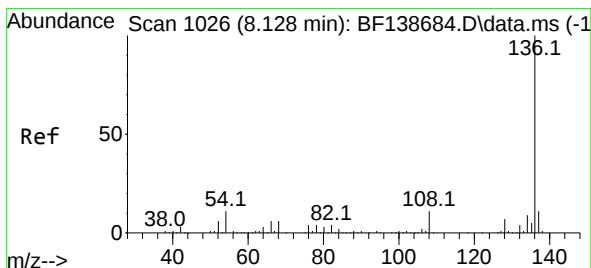
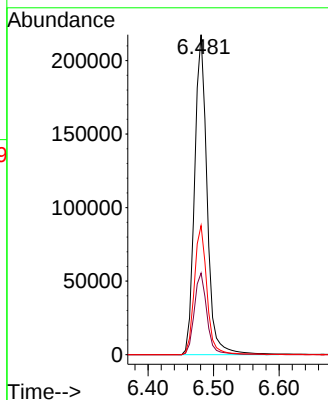
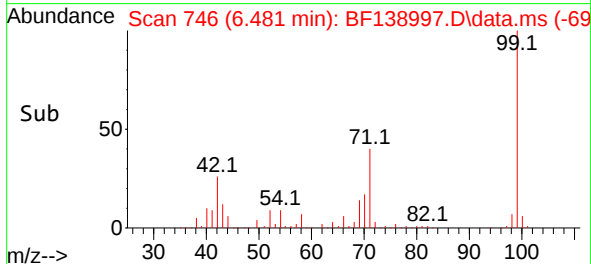
Instrument :
BNA_F
ClientSampleId :
RBR200036



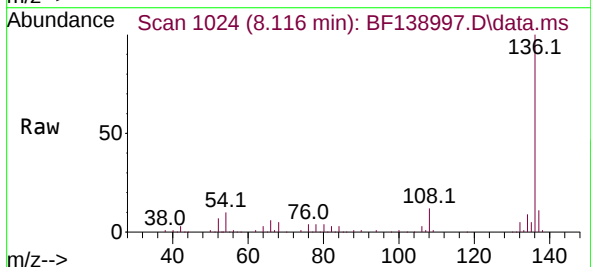
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Ion Ratio Lower Upper
99 100
42 25.5 17.4 26.0
71 40.4 28.1 42.1

Manual Integrations
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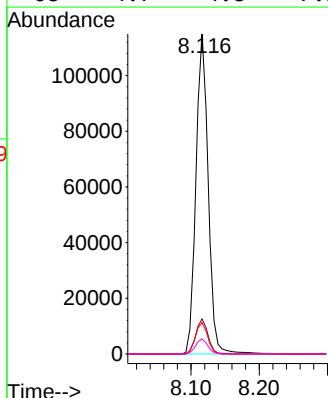
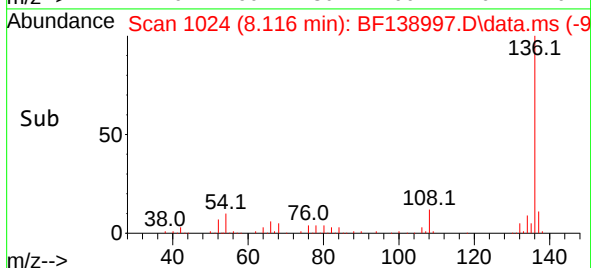
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42



Tgt Ion:136 Resp: 143446
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.8 8.6 12.8
68 4.7 4.8 7.2#





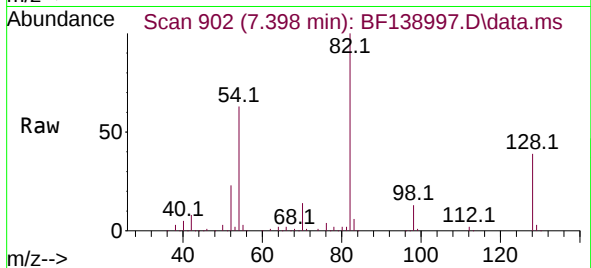
#23
Nitrobenzene-d5
Concen: 59.877 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

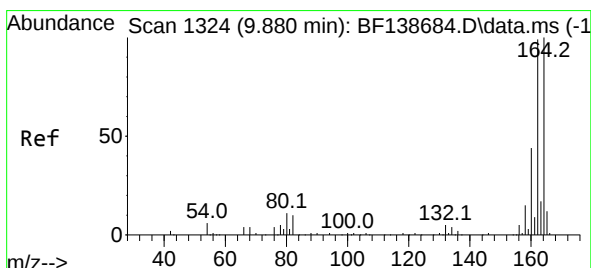
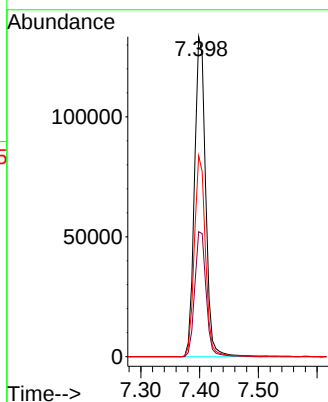
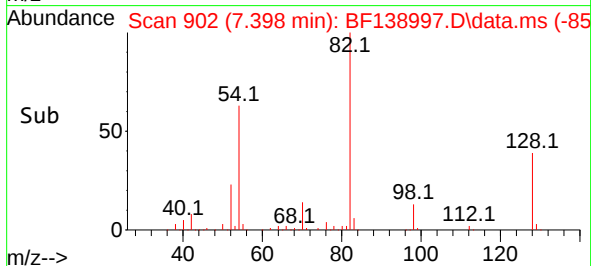


Tgt Ion: 82 Resp: 175679
Ion Ratio Lower Upper
82 100
128 39.0 32.8 49.2
54 62.8 48.3 72.5

Manual Integrations

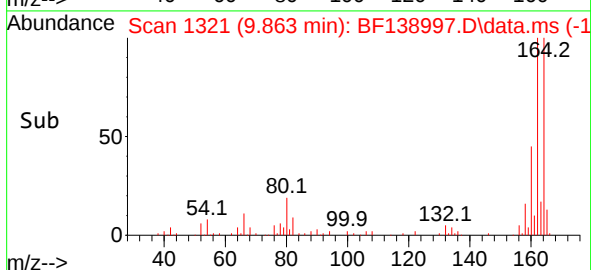
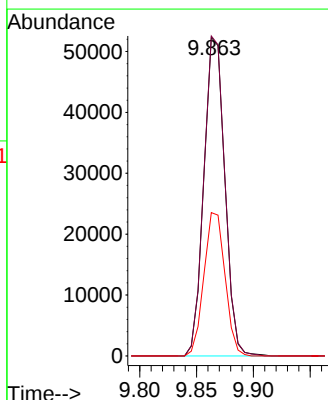
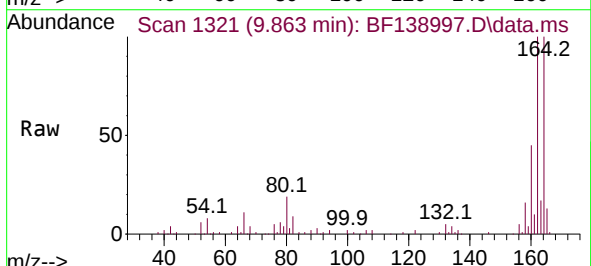
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.017 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Tgt Ion:164 Resp: 67062
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 45.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 72.920 ng
RT: 10.657 min Scan# 1458
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

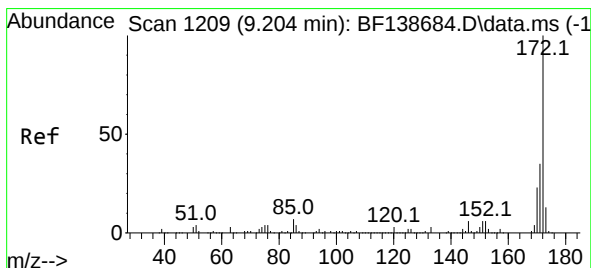
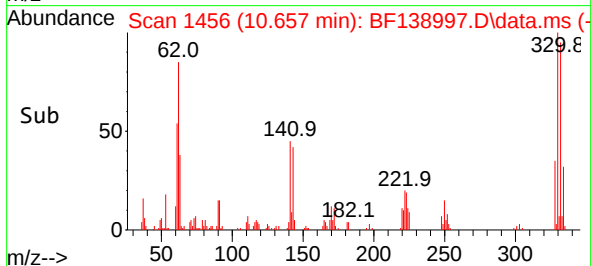
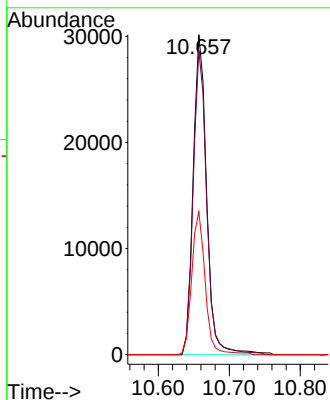
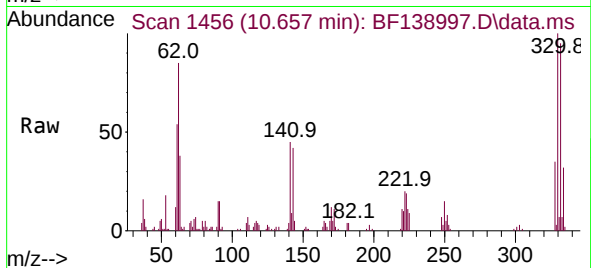
Tgt Ion:330 Resp: 4005
Ion Ratio Lower Upper
330 100
332 94.7 76.4 114.6
141 44.5 31.1 46.7

Manual Integrations

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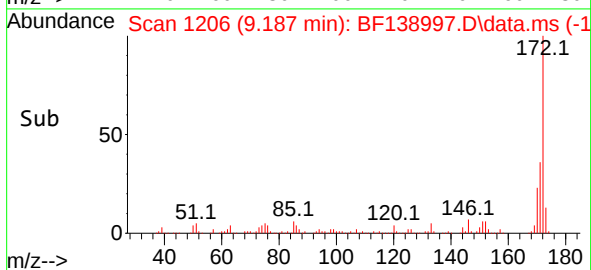
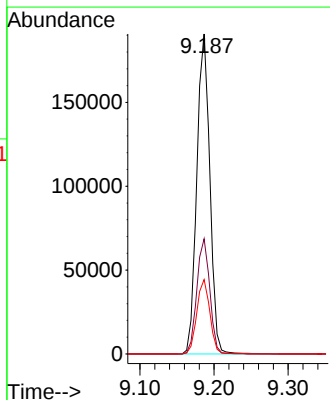
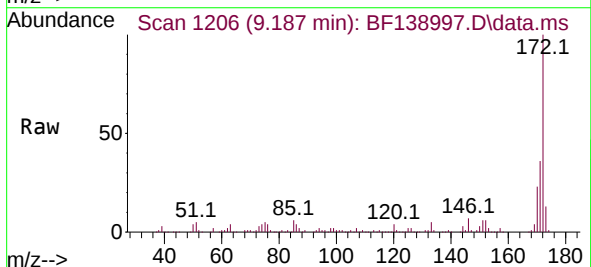
Reviewed By :Yogesh Patel 08/15/2024

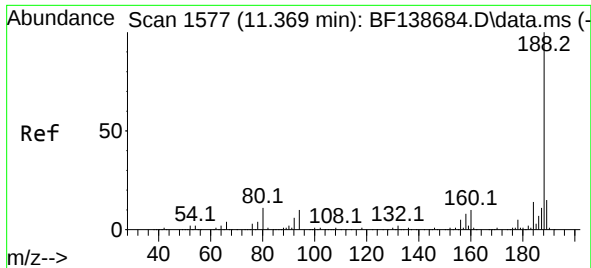
Supervised By :mohammad ahmed 08/16/2024



#45
2-Fluorobiphenyl
Concen: 52.071 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.018 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

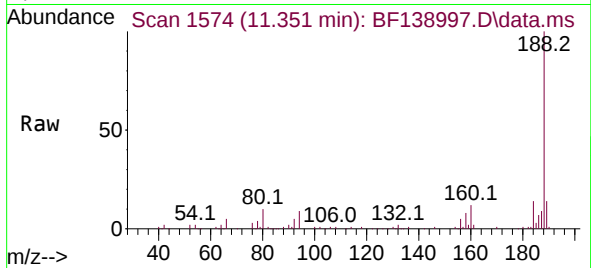
Tgt Ion:172 Resp: 232413
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.3 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1577
Delta R.T. -0.018 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

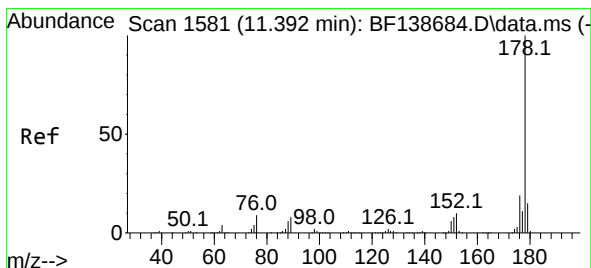
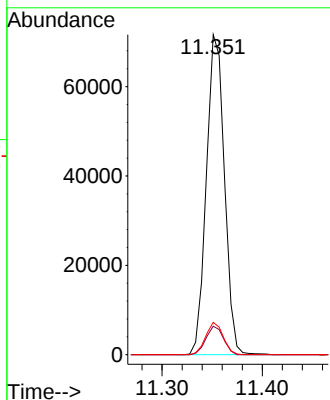
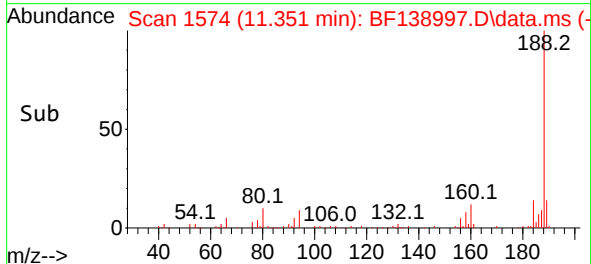
Instrument :
BNA_F
ClientSampleId :
RBR200036



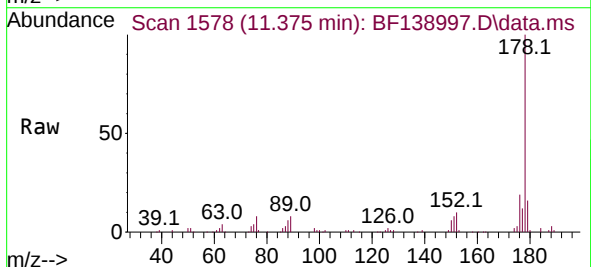
Tgt Ion:188 Resp: 8992
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 10.1 8.6 12.8

Manual Integrations
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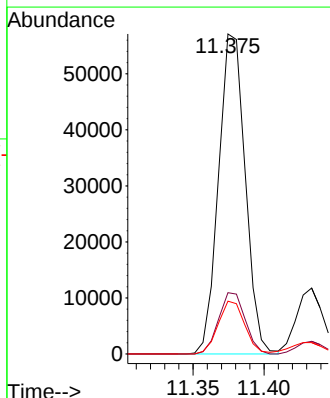
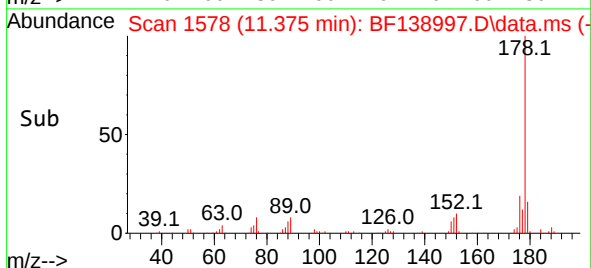
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024

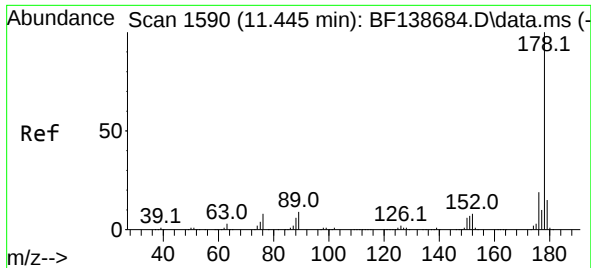


#71
Phenanthrene
Concen: 16.109 ng
RT: 11.375 min Scan# 1578
Delta R.T. -0.018 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42



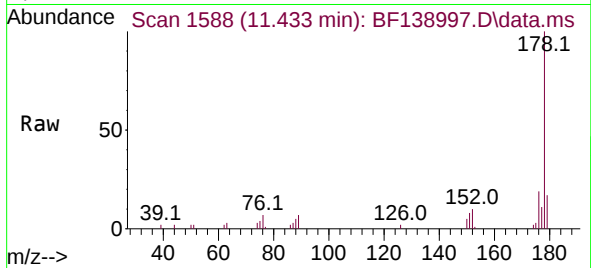
Tgt Ion:178 Resp: 74594
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.5 12.2 18.2





#72
 Anthracene
 Concen: 3.257 ng
 RT: 11.433 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

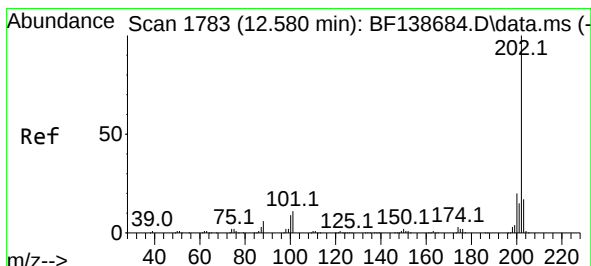
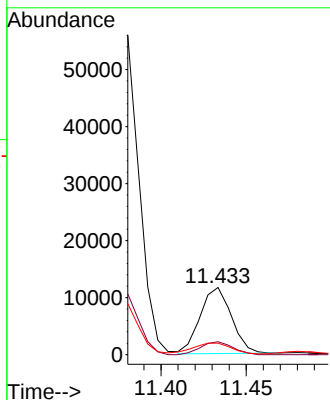
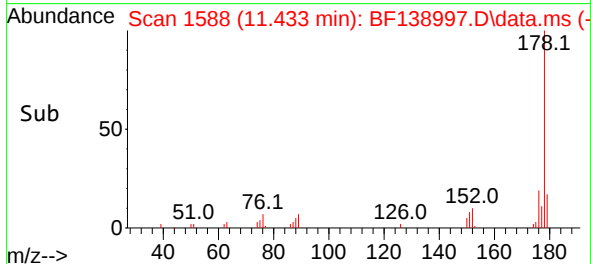
Instrument :
 BNA_F
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Tgt Ion:178 Resp: 14850
 Ion Ratio Lower Upper
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 176 19.2 14.9 22.3
 179 17.3 12.4 18.6

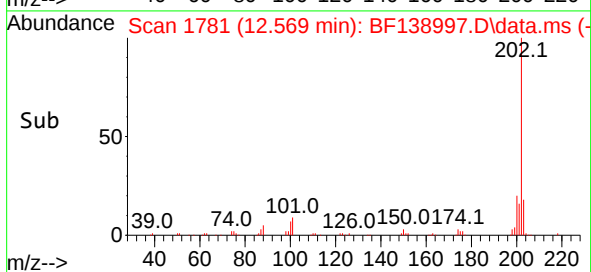
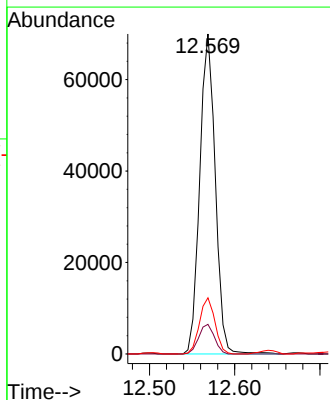
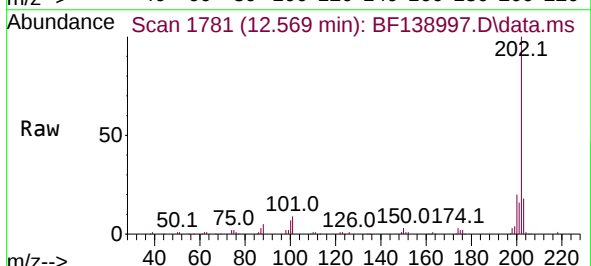
Manual Integrations
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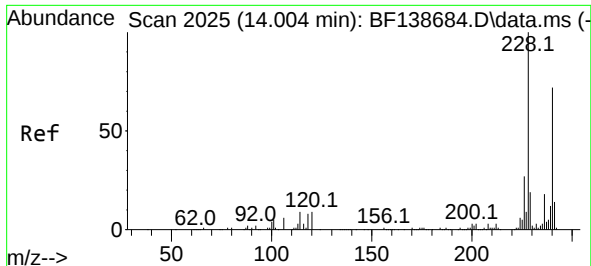
Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024



#75
 Fluoranthene
 Concen: 20.503 ng
 RT: 12.569 min Scan# 1781
 Delta R.T. -0.012 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

Tgt Ion:202 Resp: 88634
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 31.2
 203 17.5 0.0 37.3





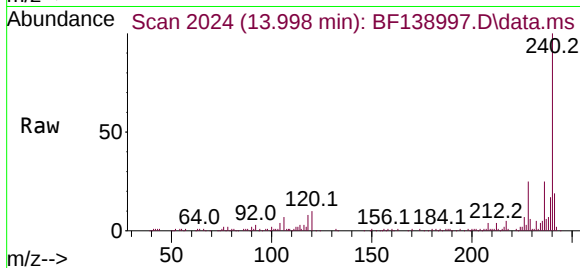
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

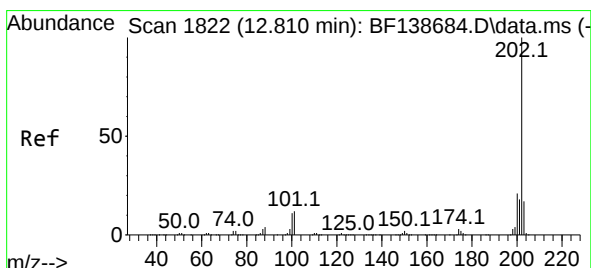
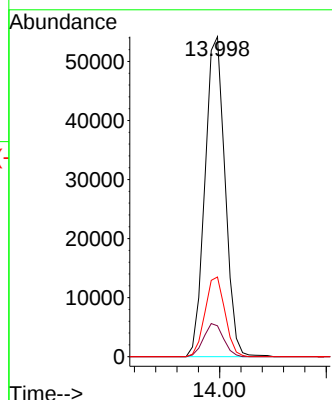
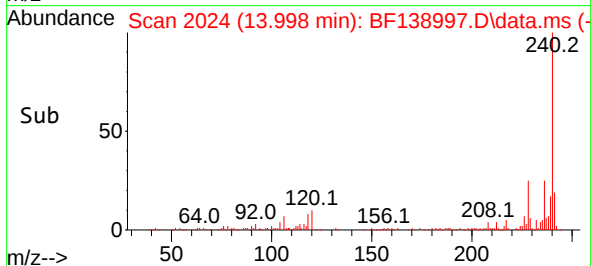


Tgt Ion:240 Resp: 7083
Ion Ratio Lower Upper
240 100
120 9.6 10.2 15.4
236 24.9 19.8 29.8

Manual Integrations

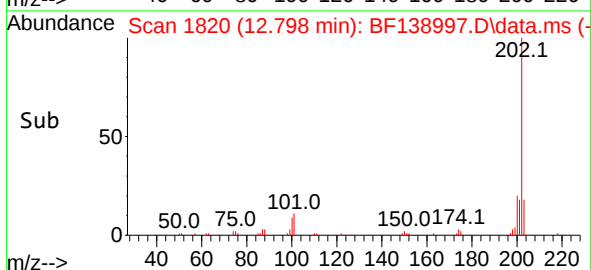
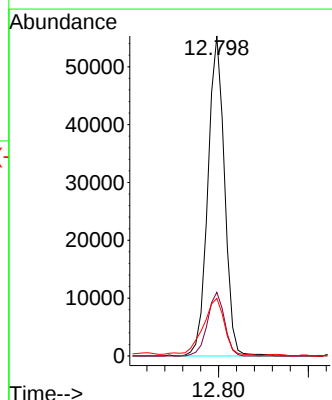
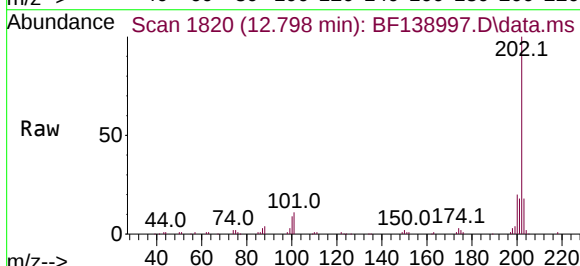
APPROVED

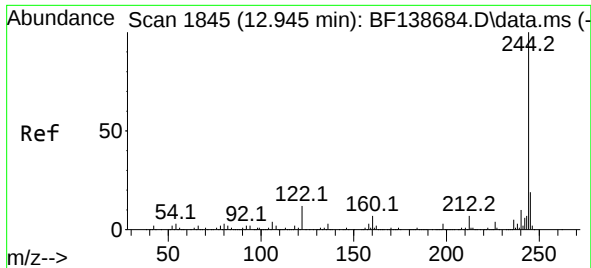
Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#78
Pyrene
Concen: 10.676 ng
RT: 12.798 min Scan# 1820
Delta R.T. -0.012 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

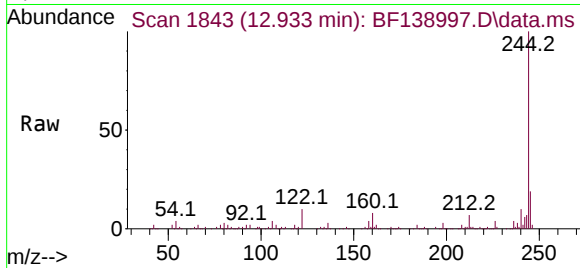
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Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 18.0 13.8 20.6





#79
 Terphenyl-d14
 Concen: 41.619 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.012 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42

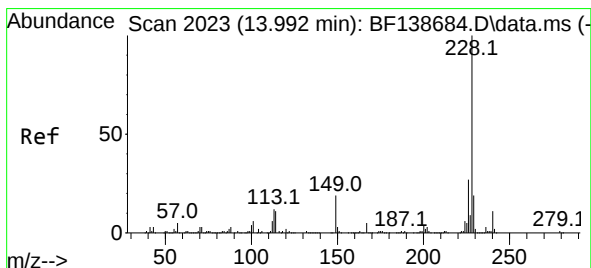
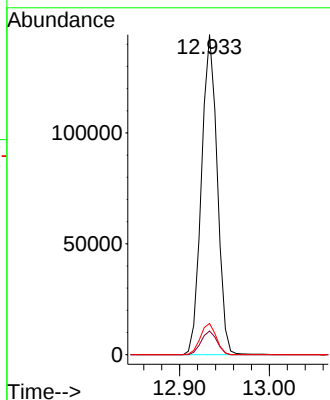
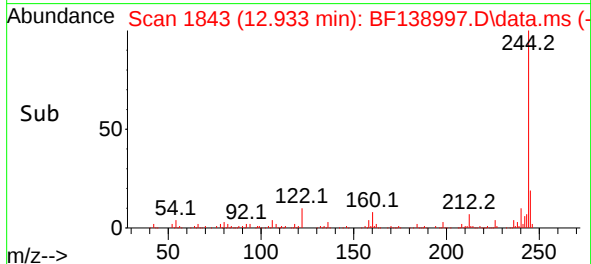
Instrument :
 BNA_F
 ClientSampleId :
 RBR200036



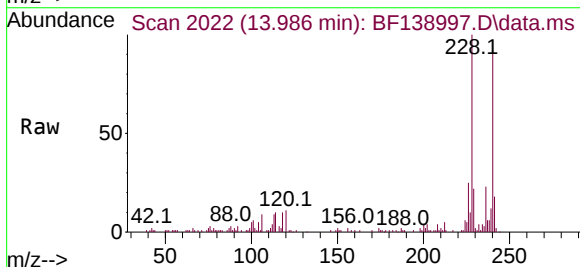
Tgt Ion:244 Resp: 176080
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 9.7 9.6 14.4

Manual Integrations
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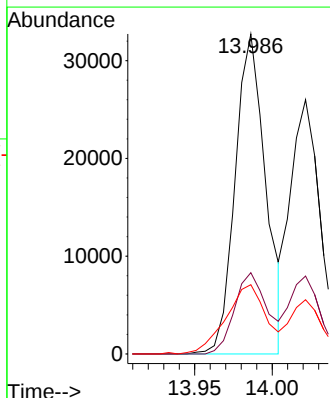
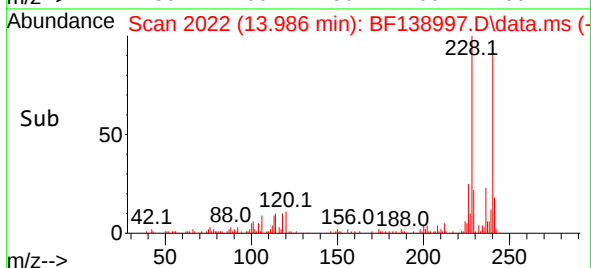
Reviewed By :Yogesh Patel 08/15/2024
 Supervised By :mohammad ahmed 08/16/2024

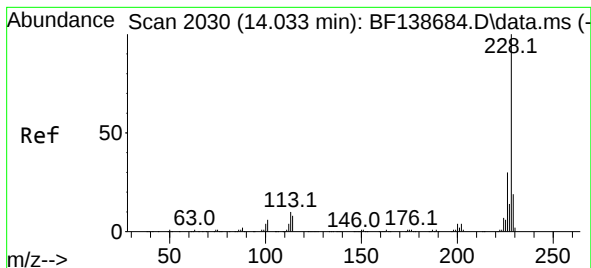


#81
 Benzo(a)anthracene
 Concen: 9.222 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF138997.D
 Acq: 14 Aug 2024 16:42



Tgt Ion:228 Resp: 44984
 Ion Ratio Lower Upper
 228 100
 226 25.4 22.1 33.1
 229 21.7 15.4 23.0





#83

Chrysene

Concen: 7.810 ng

RT: 14.022 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

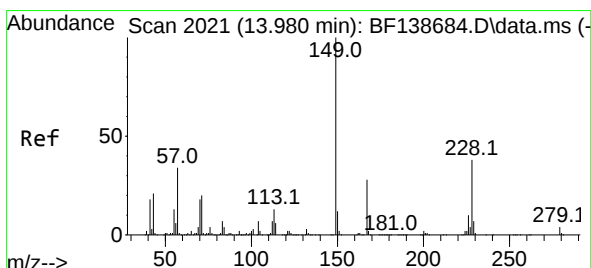
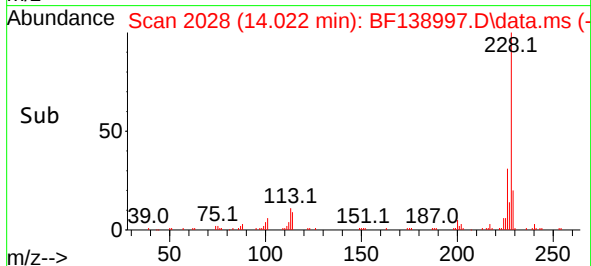
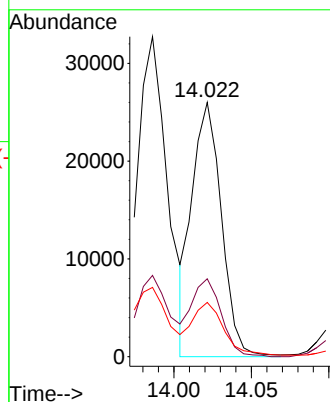
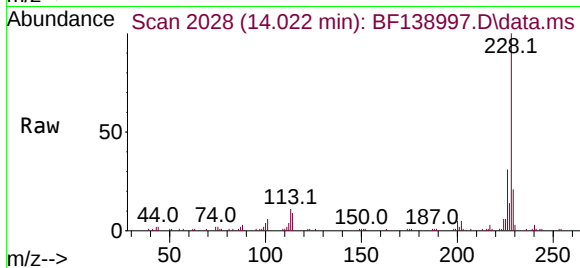
Tgt Ion:	228	Resp:	34370
Ion Ratio	Lower	Upper	
228	100		
226	30.7	23.7	35.5
229	21.3	15.0	22.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.013 ng

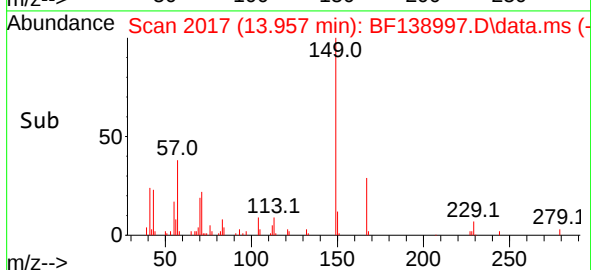
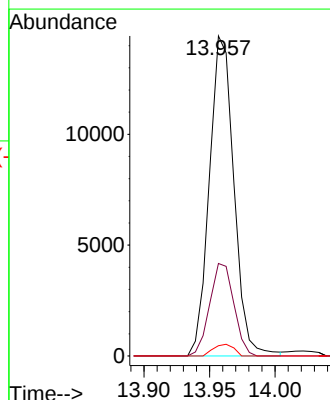
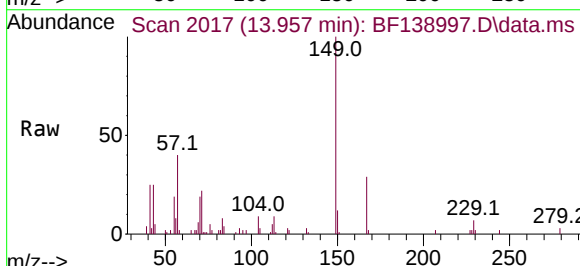
RT: 13.957 min Scan# 2017

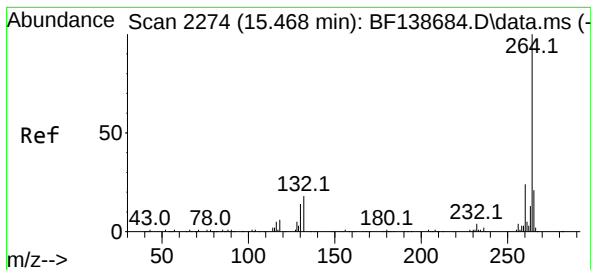
Delta R.T. -0.023 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Tgt Ion:	149	Resp:	18804
Ion Ratio	Lower	Upper	
149	100		
167	28.9	22.2	33.4
279	3.2	3.4	5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

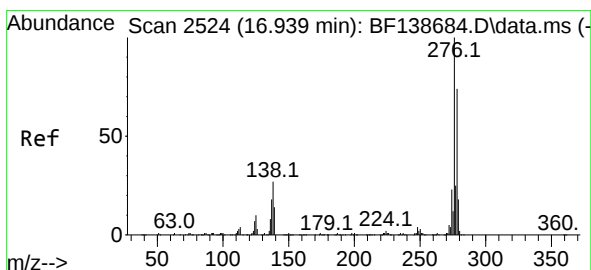
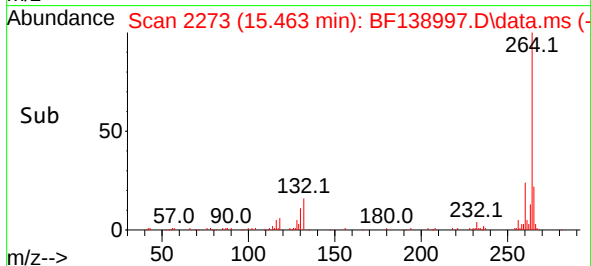
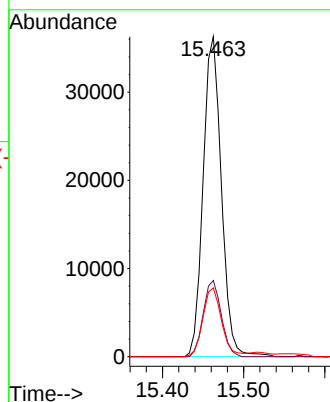
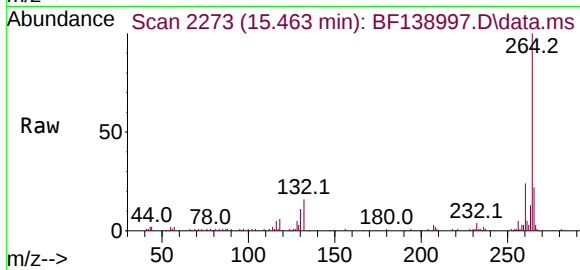
Tgt Ion:264	Resp:	5662
Ion Ratio	Lower	Upper
264	100	
260	23.8	19.0 28.6
265	21.5	17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.852 ng

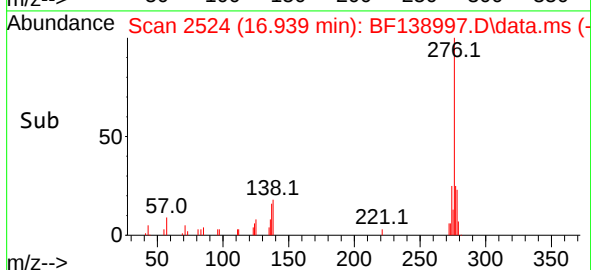
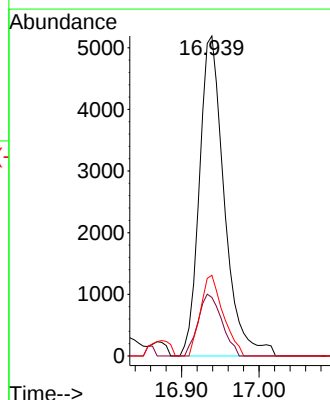
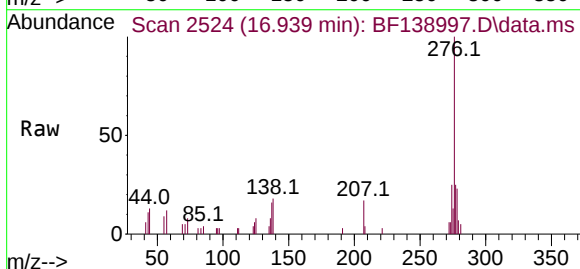
RT: 16.939 min Scan# 2524

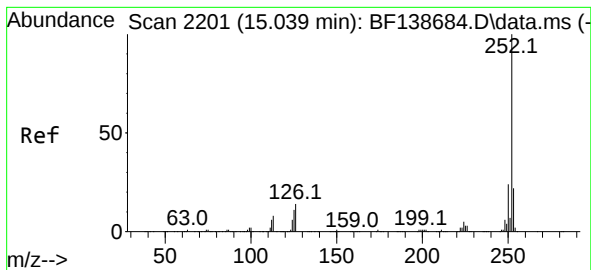
Delta R.T. 0.000 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Tgt Ion:276	Resp:	11574
Ion Ratio	Lower	Upper
276	100	
138	18.4	21.8 32.8#
277	22.9	20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 11.477 ng m

RT: 15.039 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

Instrument :

BNA_F

ClientSampleId :

RBR200036

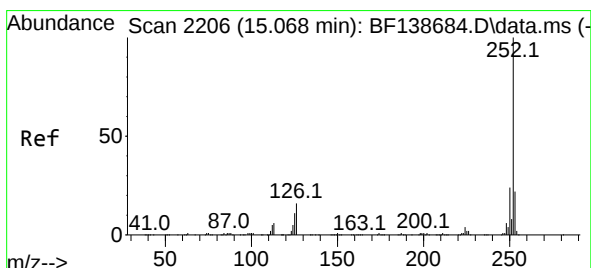
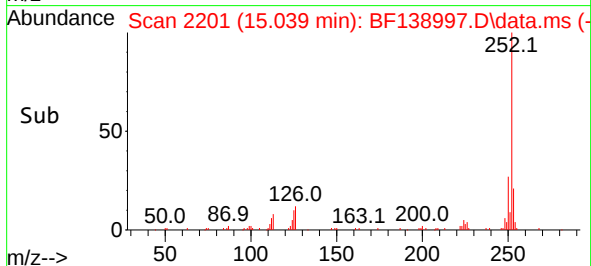
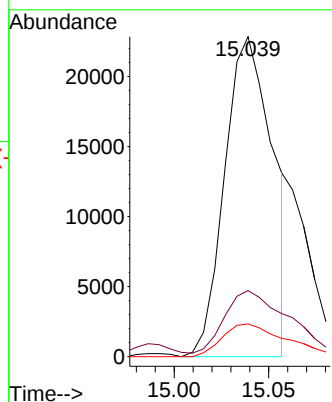
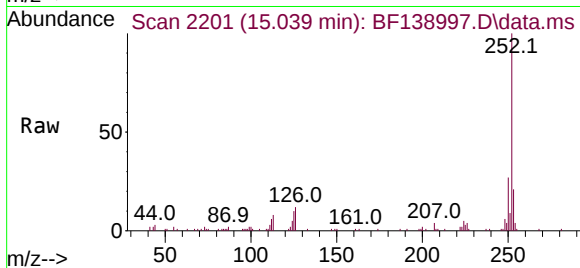
Tgt Ion:	252	Resp:	4028
Ion Ratio	Lower	Upper	
252	100		
253	20.7	17.5	26.3
125	10.3	8.9	13.3

Manual Integrations

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Reviewed By :Yogesh Patel 08/15/2024

Supervised By :mohammad ahmed 08/16/2024



#89

Benzo(k)fluoranthene

Concen: 3.680 ng m

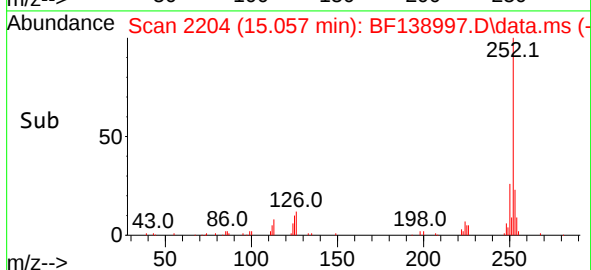
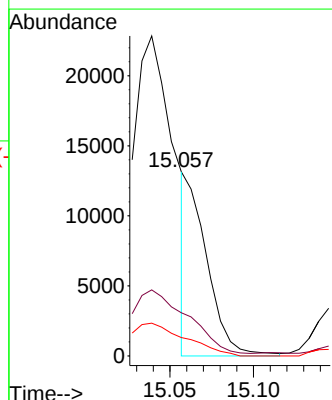
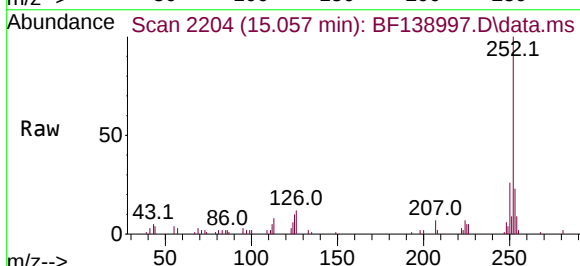
RT: 15.057 min Scan# 2204

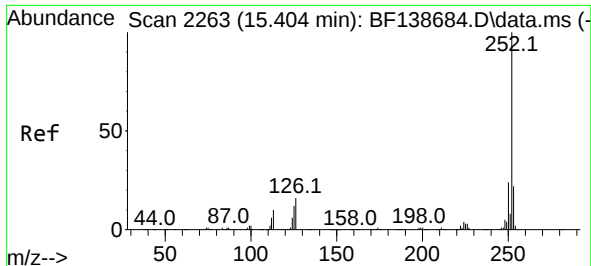
Delta R.T. -0.012 min

Lab File: BF138997.D

Acq: 14 Aug 2024 16:42

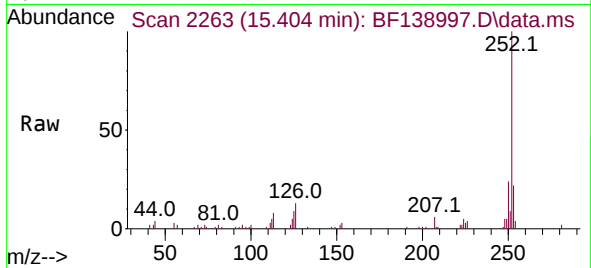
Tgt Ion:	252	Resp:	11182
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.0
125	10.0	8.6	13.0





#90
Benzo(a)pyrene
Concen: 8.152 ng m
RT: 15.404 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42

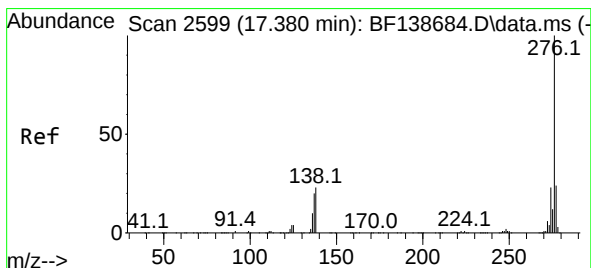
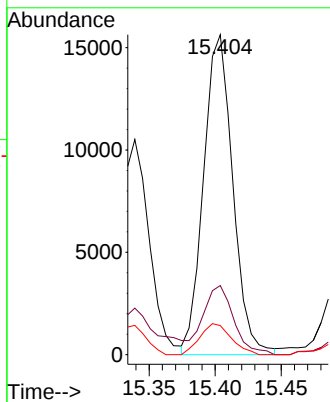
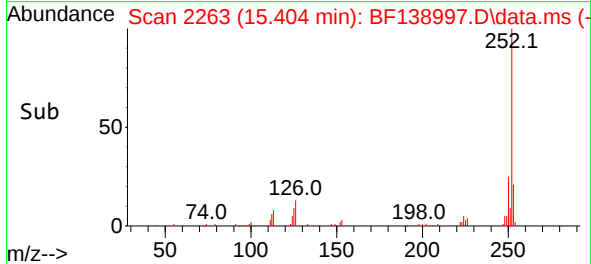
Instrument :
BNA_F
ClientSampleId :
RBR200036



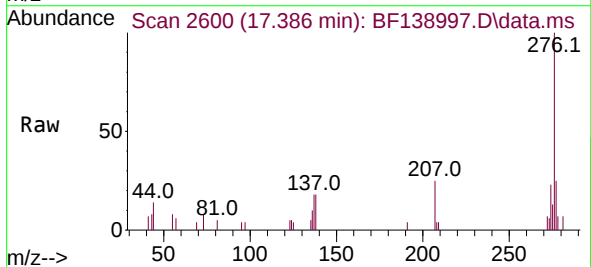
Tgt Ion:252 Resp: 24069
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 9.1 9.5 14.3

Manual Integrations
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Reviewed By :Yogesh Patel 08/15/2024
Supervised By :mohammad ahmed 08/16/2024



#92
Benzo(g,h,i)perylene
Concen: 2.941 ng
RT: 17.386 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BF138997.D
Acq: 14 Aug 2024 16:42



Tgt Ion:276 Resp: 10167
Ion Ratio Lower Upper
276 100
277 24.5 19.0 28.4
138 18.3 18.5 27.7#

