

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138789.D
 Acq On : 05 Aug 2024 17:02
 Operator : RC/JU
 Sample : P3463-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-082024

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024

Quant Time: Aug 05 17:31:43 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	6.845	152	45343	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	163946	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	69702	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	98729	20.000	ng	0.00
76) Chrysene-d12	14.010	240	64006	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	51308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	14752	5.022	ng	0.00
7) Phenol-d6	6.481	99	36501	9.255	ng	0.00
23) Nitrobenzene-d5	7.404	82	24020	7.163	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	420	0.736	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	41660	8.980	ng	-0.01
79) Terphenyl-d14	12.945	244	34017	8.898	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	72224	14.207	ng	99
72) Anthracene	11.439	178	19389	3.871	ng	97
75) Fluoranthene	12.580	202	162892	34.322	ng	97
78) Pyrene	12.810	202	234417	38.899	ng	99
81) Benzo(a)anthracene	13.998	228	87684m	19.894	ng	
83) Chrysene	14.033	228	75152	18.899	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.945	276	25868	7.035	ng	# 93
88) Benzo(b)fluoranthene	15.051	252	61077m	19.203	ng	
89) Benzo(k)fluoranthene	15.063	252	21677m	7.872	ng	
90) Benzo(a)pyrene	15.410	252	53110	19.852	ng	97
91) Dibenzo(a,h)anthracene	16.951	278	7022	2.326	ng	# 86
92) Benzo(g,h,i)perylene	17.392	276	27618	8.818	ng	95

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

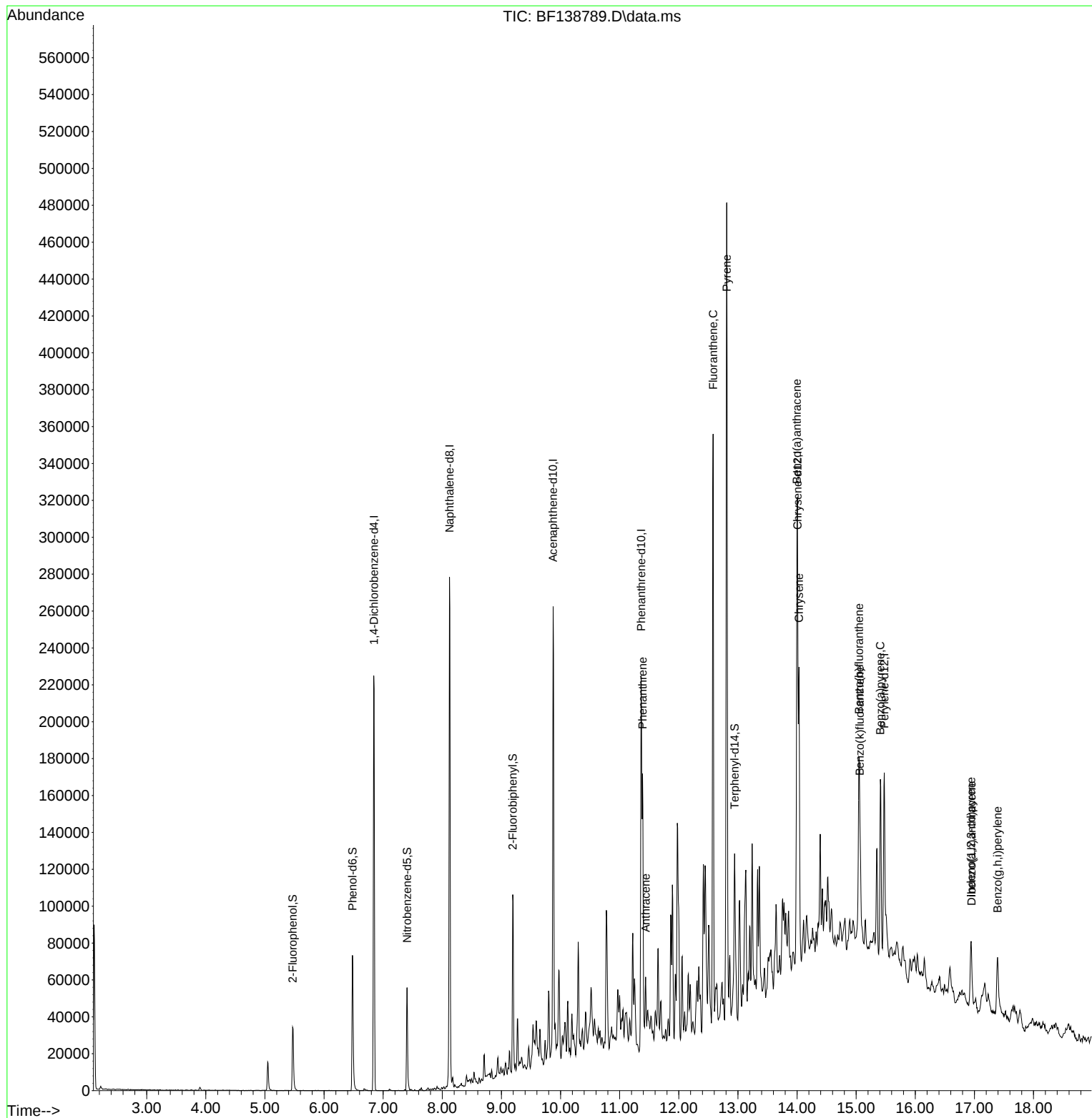
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138789.D
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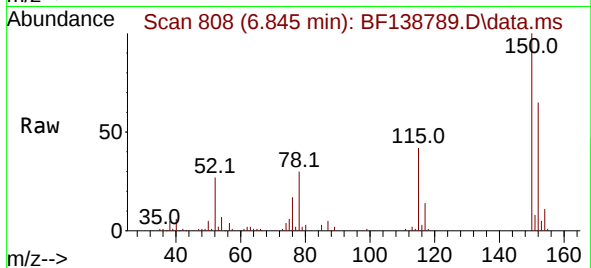
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

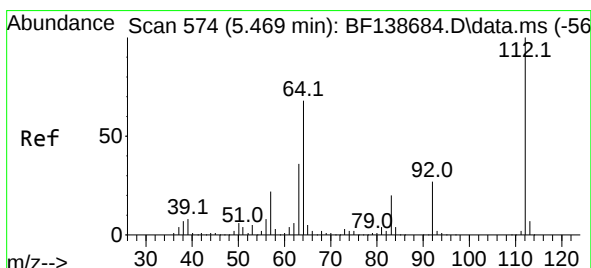
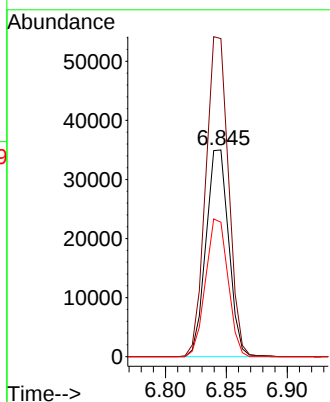
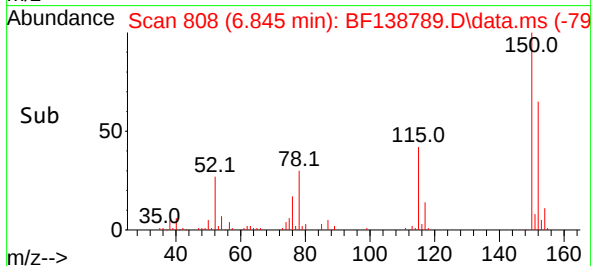


Tgt Ion:152 Resp: 4534
Ion Ratio Lower Upper
152 100
150 153.9 126.0 189.0
115 65.0 51.7 77.5

Manual Integrations

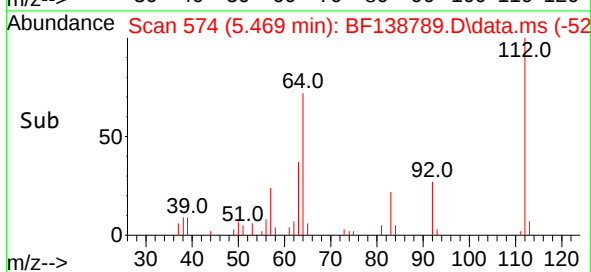
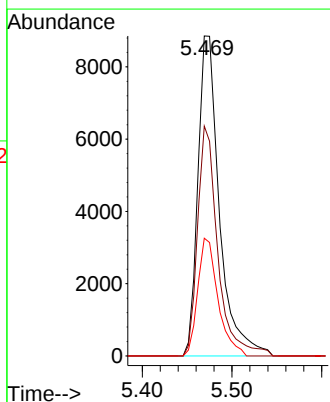
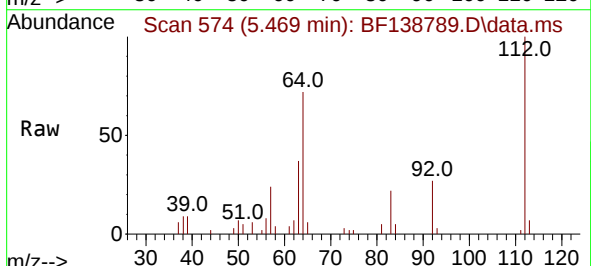
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Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 5.022 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

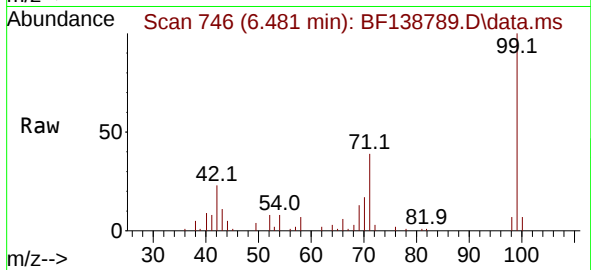
Tgt Ion:112 Resp: 14752
Ion Ratio Lower Upper
112 100
64 71.9 54.2 81.4
63 36.8 28.7 43.1





#7
Phenol-d6
Concen: 9.255 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

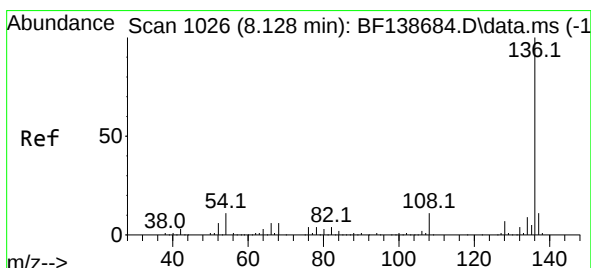
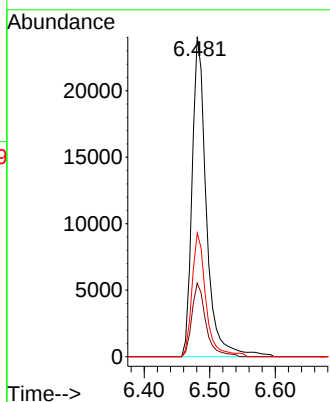
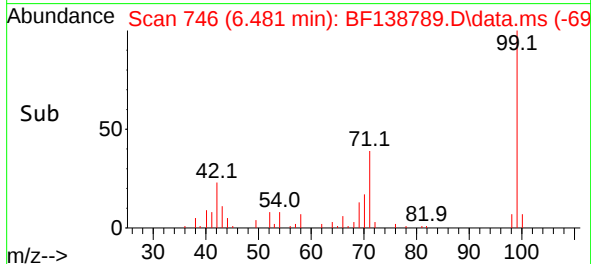
Instrument :
BNA_F
ClientSampleId :
TR-05-082024



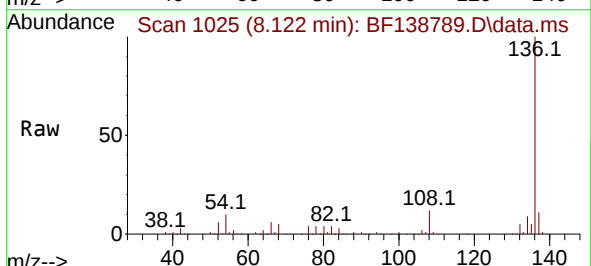
Tgt Ion: 99 Resp: 3650
Ion Ratio Lower Upper
99 100
42 23.0 17.4 26.0
71 38.7 28.1 42.1

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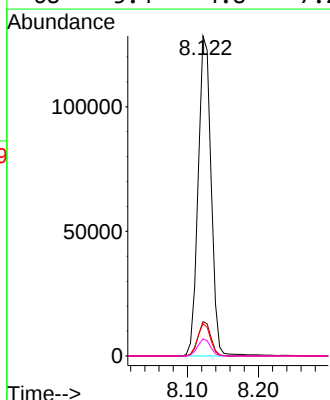
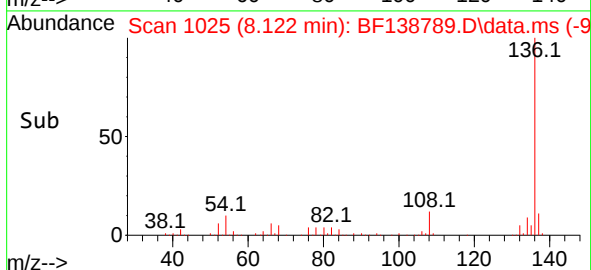
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02



Tgt Ion:136 Resp: 163946
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 10.1 8.6 12.8
68 5.4 4.8 7.2





#23
Nitrobenzene-d5
Concen: 7.163 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

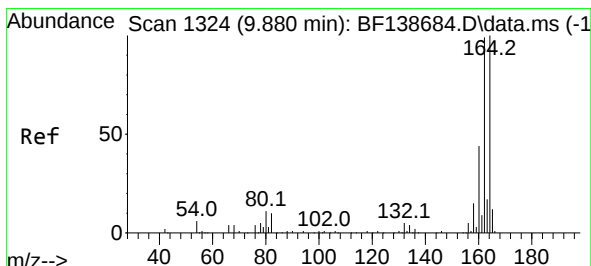
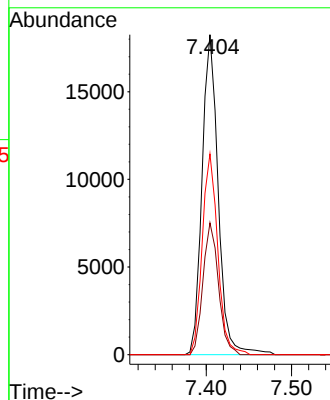
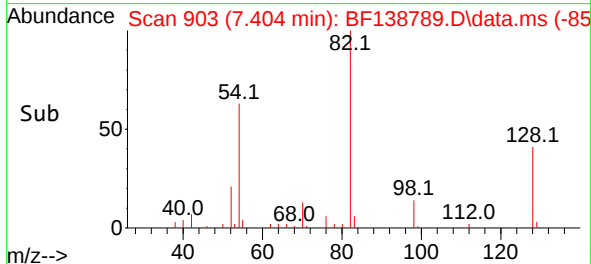
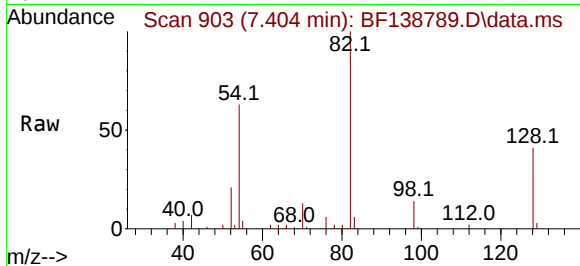
ClientSampleId :

TR-05-082024

Tgt Ion: 82 Resp: 24020
Ion Ratio Lower Upper
82 100
128 41.2 32.8 49.2
54 62.7 48.3 72.5

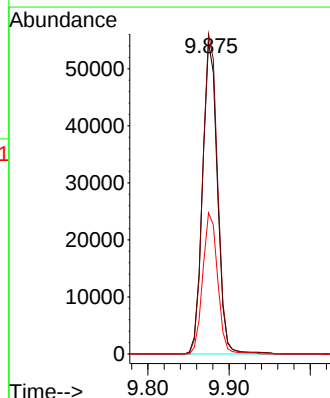
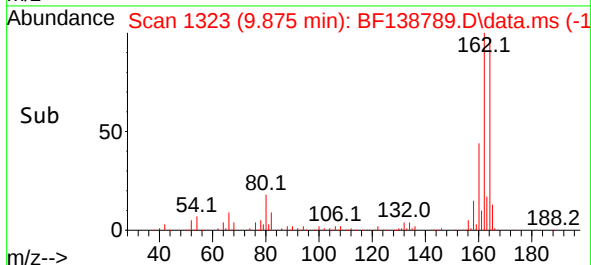
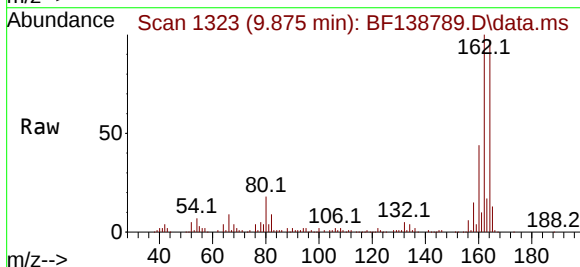
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Supervised By :mohammad ahmed 08/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1323
Delta R.T. -0.005 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:164 Resp: 69702
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 45.3 35.1 52.7





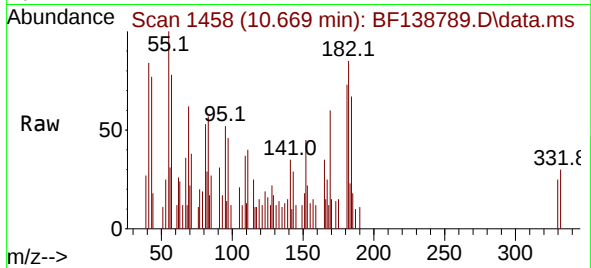
#42
2,4,6-Tribromophenol
Concen: 0.736 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

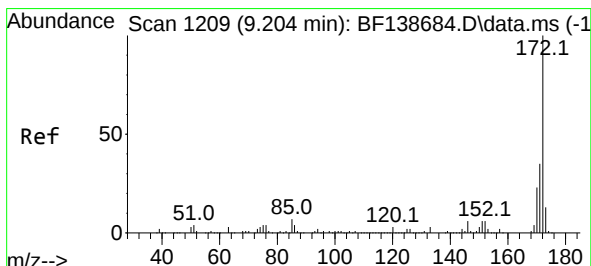
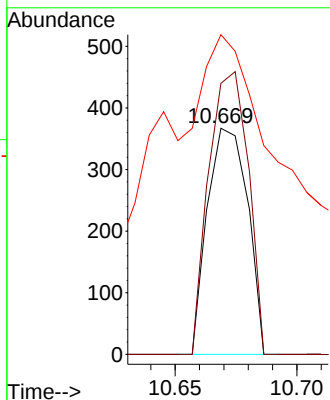
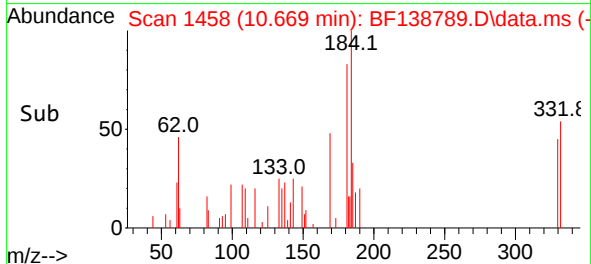


Tgt Ion: 330 Resp: 420
Ion Ratio Lower Upper
330 100
332 123.3 76.4 114.6
141 220.5 31.1 46.7

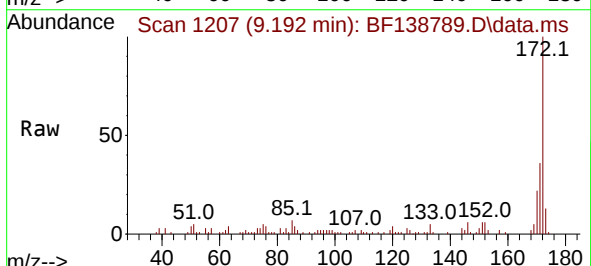
Manual Integrations

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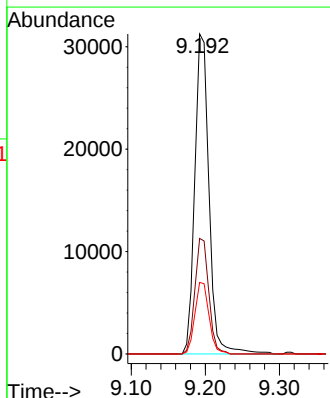
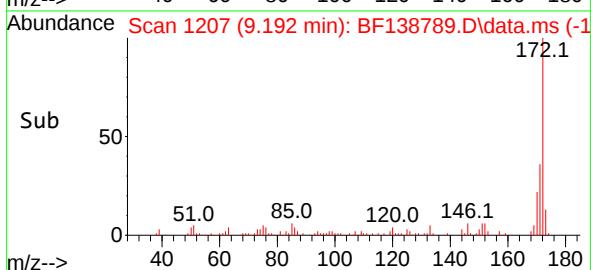
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

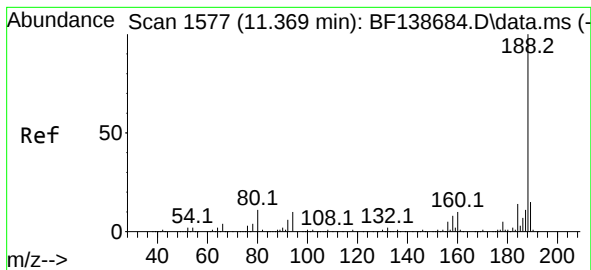


#45
2-Fluorobiphenyl
Concen: 8.980 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.012 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02



Tgt Ion: 172 Resp: 41660
Ion Ratio Lower Upper
172 100
171 36.1 28.3 42.5
170 22.4 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

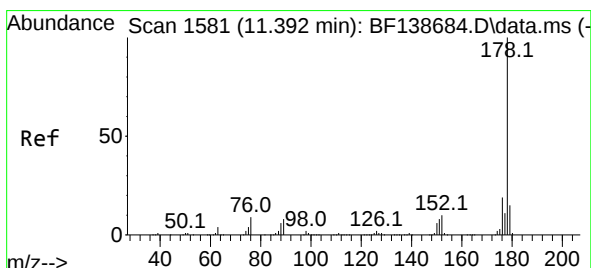
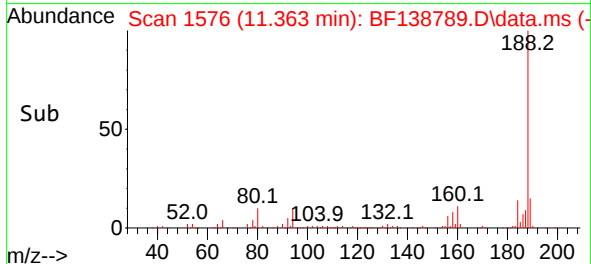
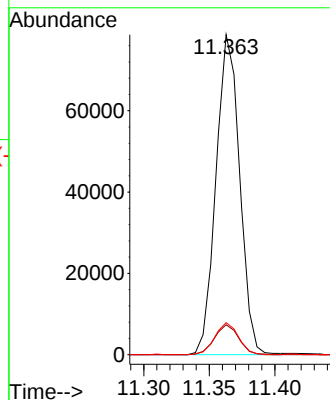
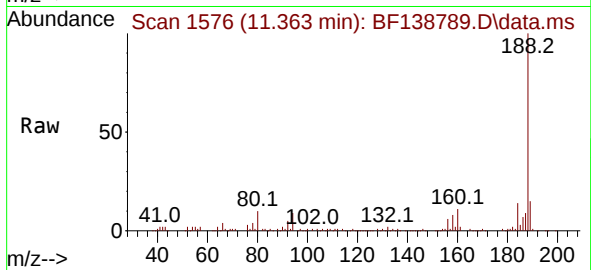
Tgt Ion:188 Resp: 98729

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.6	11.4
80	10.0	8.6	12.8

Manual Integrations

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Supervised By :mohammad ahmed 08/07/2024



#71

Phenanthrene

Concen: 14.207 ng

RT: 11.386 min Scan# 1580

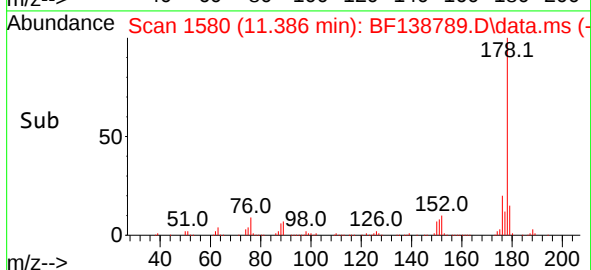
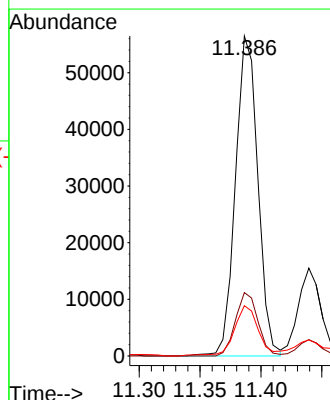
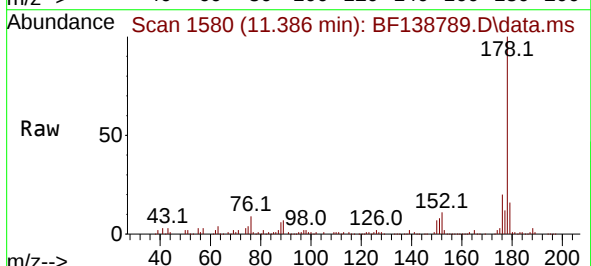
Delta R.T. -0.006 min

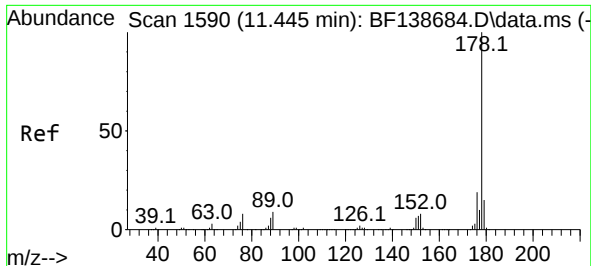
Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

Tgt Ion:178 Resp: 72224

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.4	23.0
179	15.7	12.2	18.2





#72
 Anthracene
 Concen: 3.871 ng
 RT: 11.439 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF138789.D
 Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

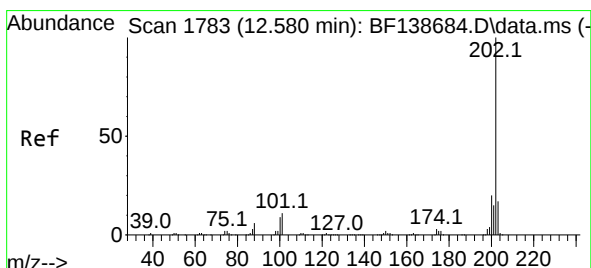
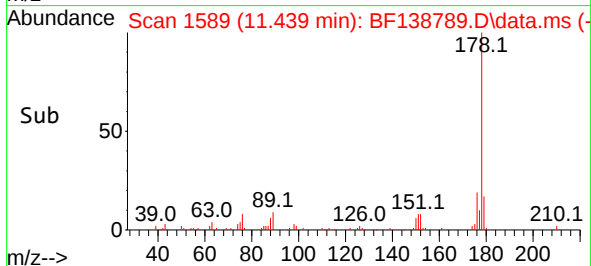
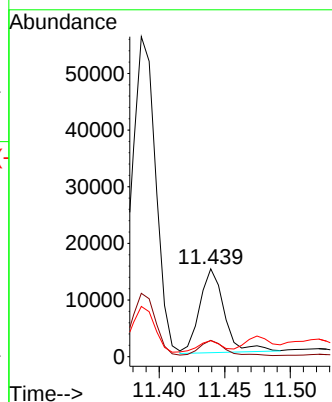
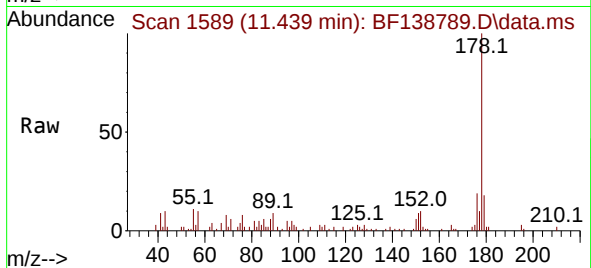
TR-05-082024

Tgt Ion:178 Resp: 19389
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.9 22.3
 179 18.2 12.4 18.6

Manual Integrations

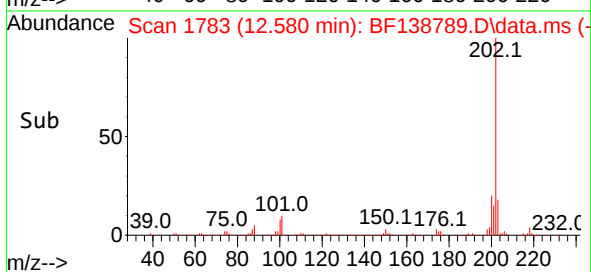
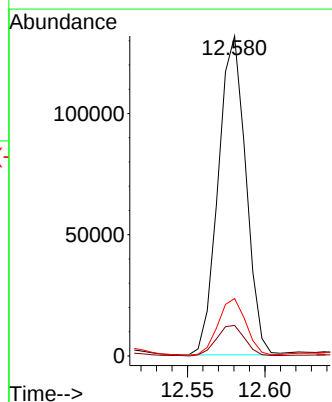
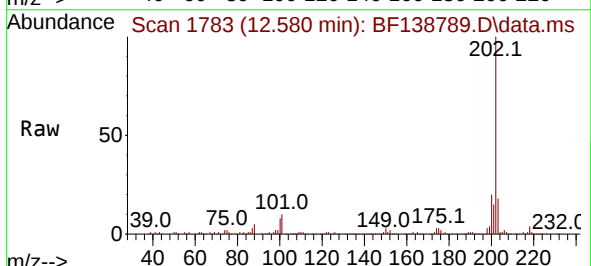
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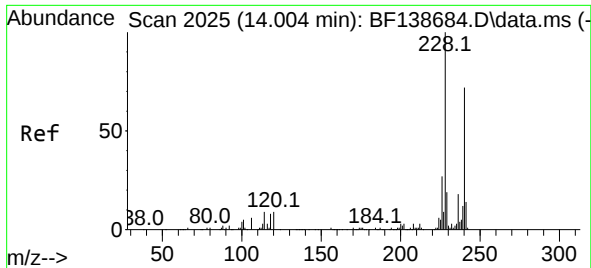
Reviewed By :Jagrut Upadhyay 08/06/2024
 Supervised By :mohammad ahmed 08/07/2024



#75
 Fluoranthene
 Concen: 34.322 ng
 RT: 12.580 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BF138789.D
 Acq: 05 Aug 2024 17:02

Tgt Ion:202 Resp: 162892
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.2
 203 18.0 0.0 37.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

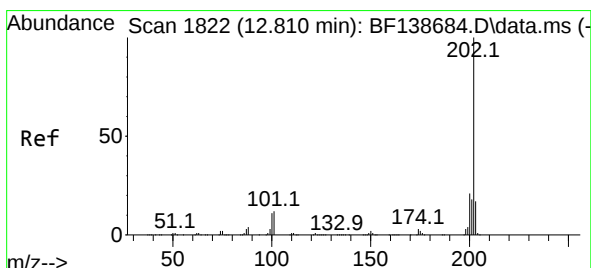
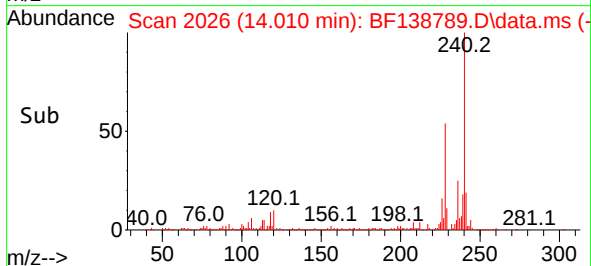
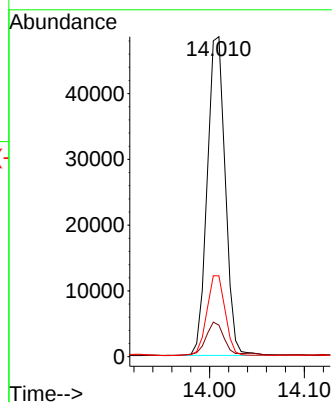
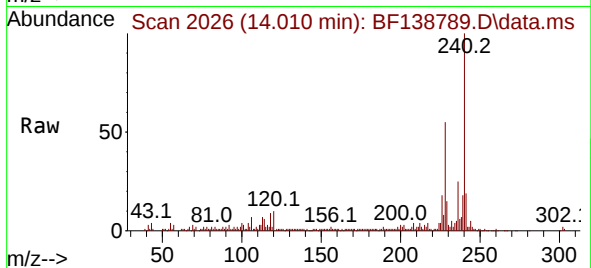
TR-05-082024

Tgt Ion:240 Resp: 64000
Ion Ratio Lower Upper
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120 9.9 10.2 15.4
236 25.3 19.8 29.8

Manual Integrations

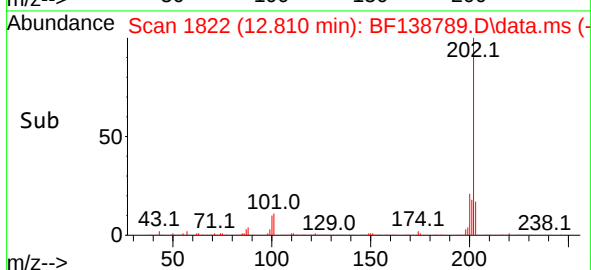
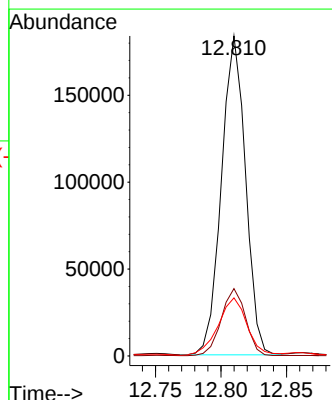
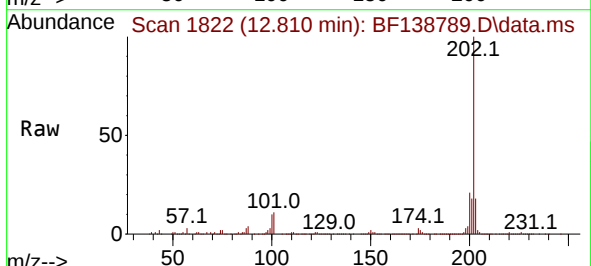
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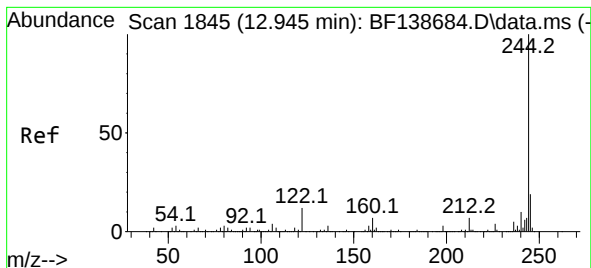
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#78
Pyrene
Concen: 38.899 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:202 Resp: 234417
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.1 13.8 20.6





#79

Terphenyl-d14

Concen: 8.898 ng

RT: 12.945 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138789.D

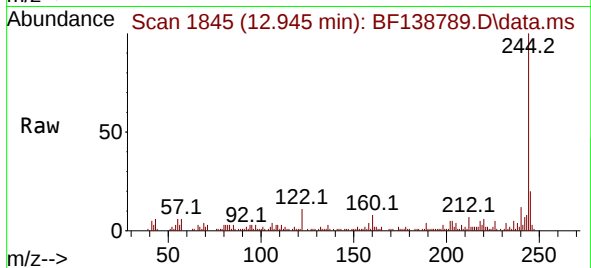
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

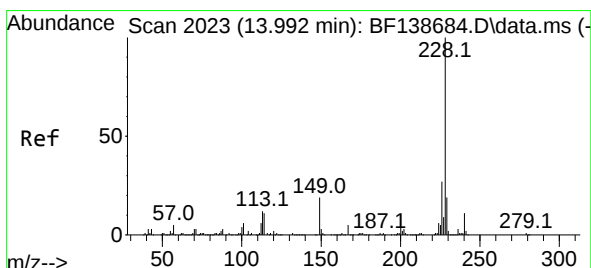
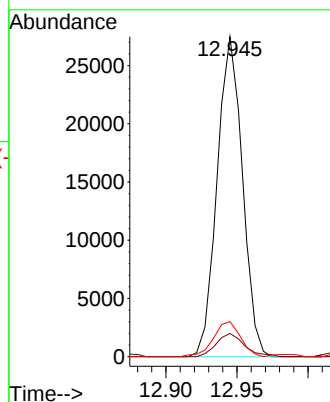
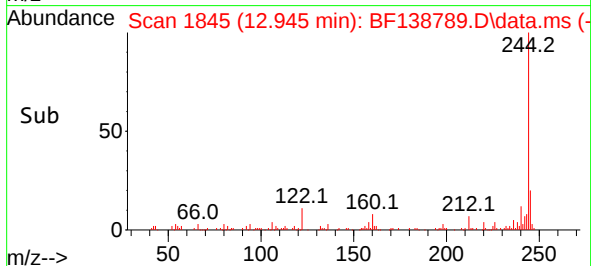


Tgt Ion:	244	Resp:	3401
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.2
122	10.9	9.6	14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#81

Benzo(a)anthracene

Concen: 19.894 ng m

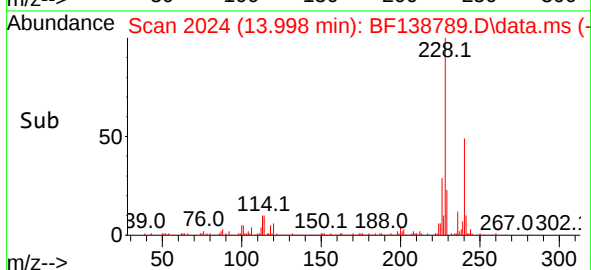
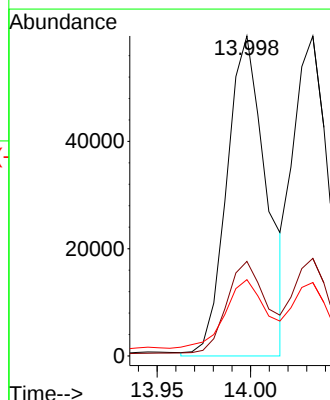
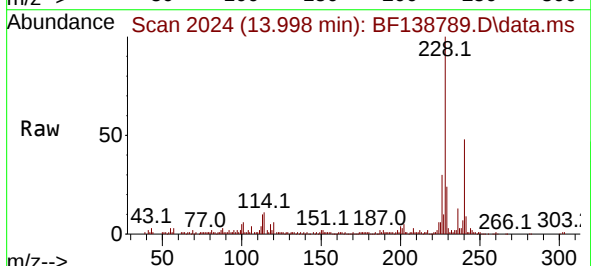
RT: 13.998 min Scan# 2024

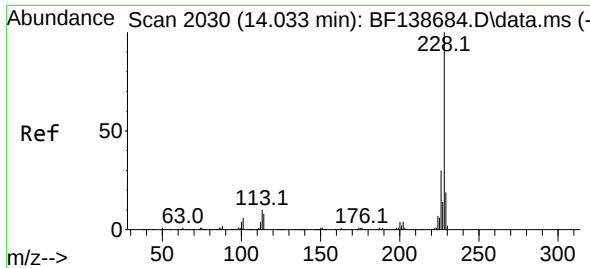
Delta R.T. 0.006 min

Lab File: BF138789.D

Acq: 05 Aug 2024 17:02

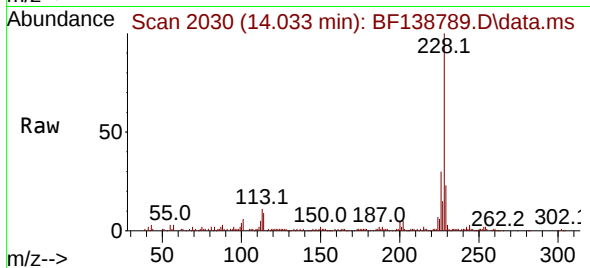
Tgt Ion:	228	Resp:	87684
Ion Ratio	Lower	Upper	
228	100		
226	29.6	22.1	33.1
229	23.8	15.4	23.0





#83
Chrysene
Concen: 18.899 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

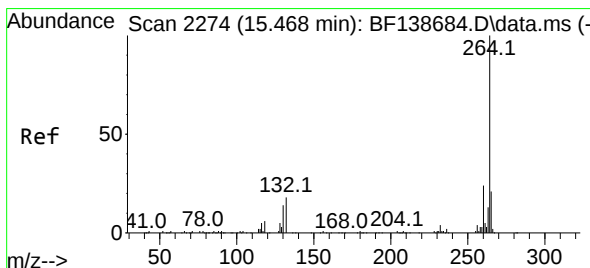
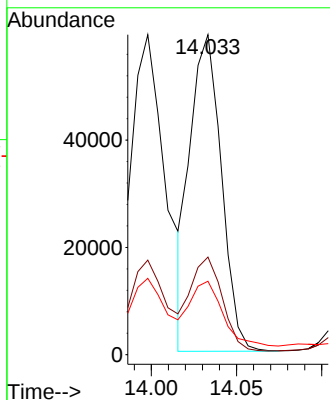
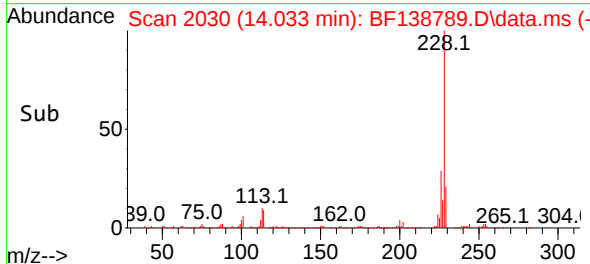
Instrument :
BNA_F
ClientSampleId :
TR-05-082024



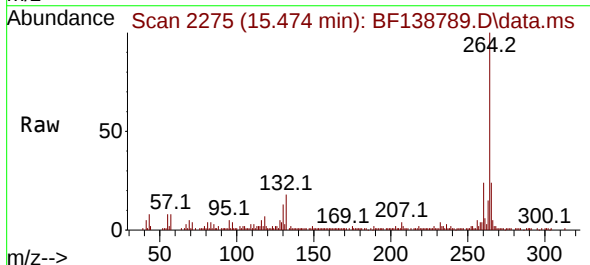
Tgt Ion:228 Resp: 75152
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 22.9 15.0 22.6

Manual Integrations
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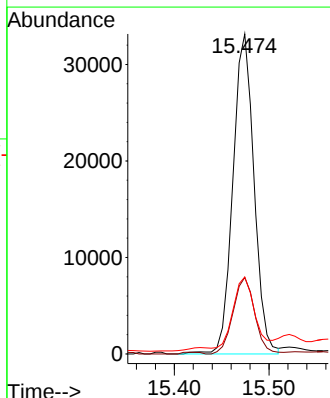
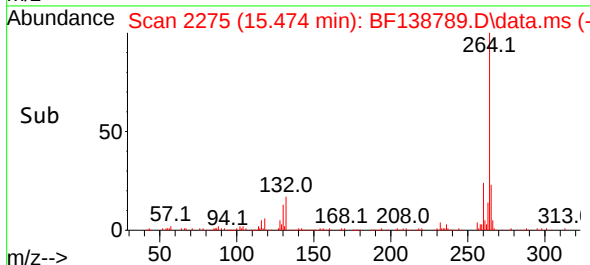
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

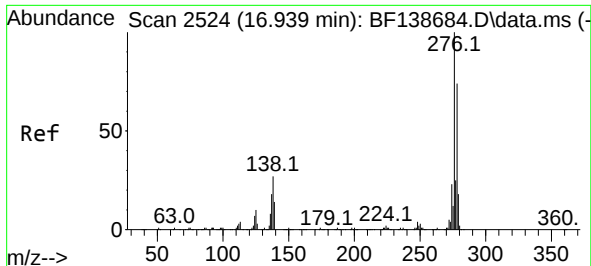


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02



Tgt Ion:264 Resp: 51308
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 24.1 17.0 25.6





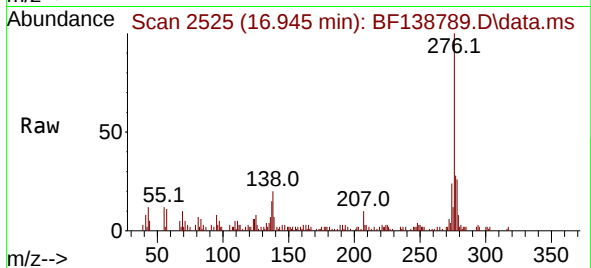
#87
Indeno(1,2,3-cd)pyrene
Concen: 7.035 ng
RT: 16.945 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

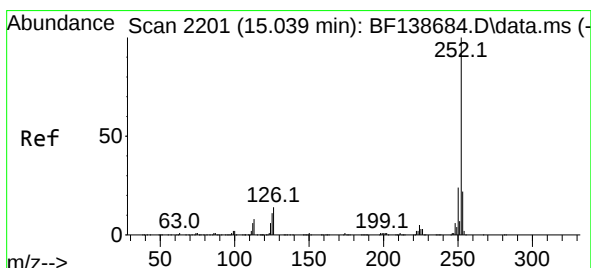
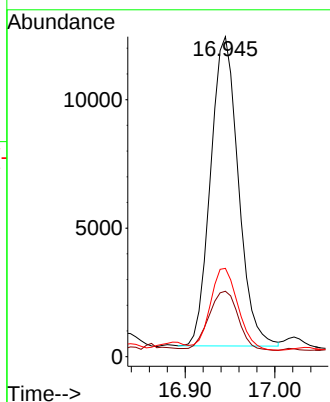
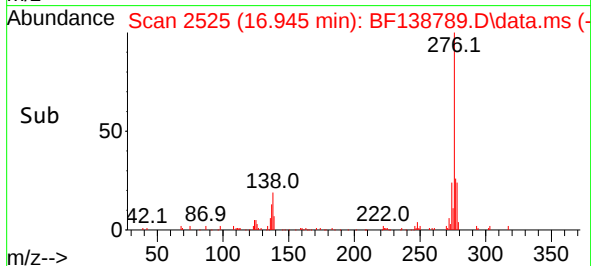


Tgt Ion:276 Resp: 2586
Ion Ratio Lower Upper
276 100
138 20.8 21.8 32.8
277 26.5 20.6 30.8

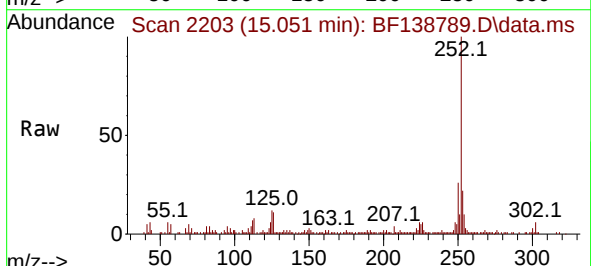
Manual Integrations

APPROVED

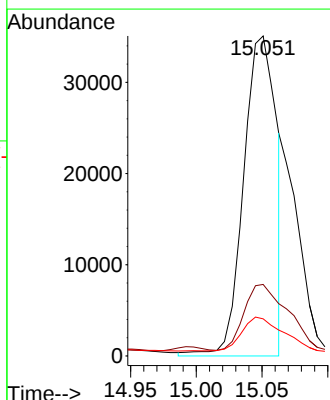
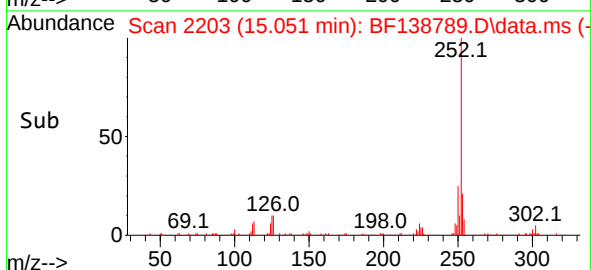
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024

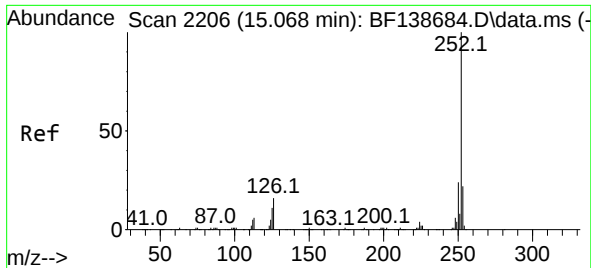


#88
Benzo(b)fluoranthene
Concen: 19.203 ng m
RT: 15.051 min Scan# 2203
Delta R.T. 0.012 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02



Tgt Ion:252 Resp: 61077
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.6 8.9 13.3





#89
Benzo(k)fluoranthene
Concen: 7.872 ng m
RT: 15.063 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

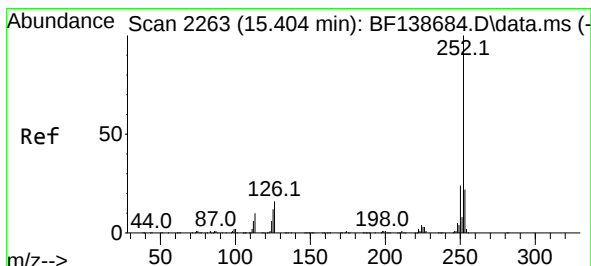
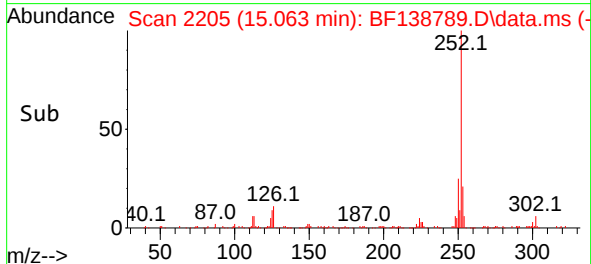
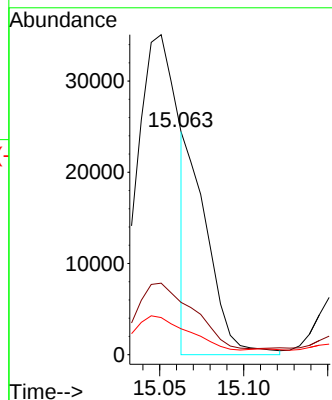
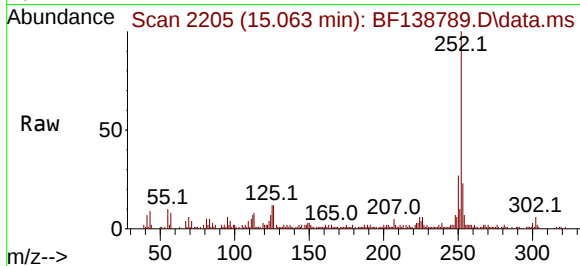
TR-05-082024

Tgt Ion:252 Resp: 2167
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.6 8.6 13.0

Manual Integrations

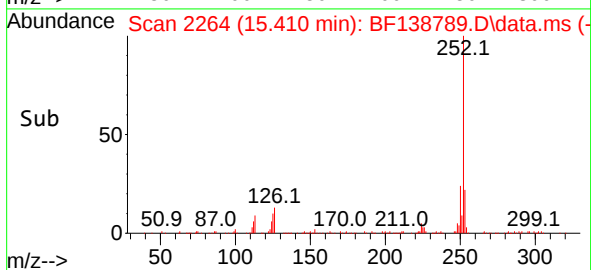
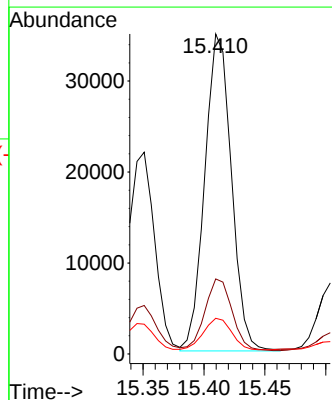
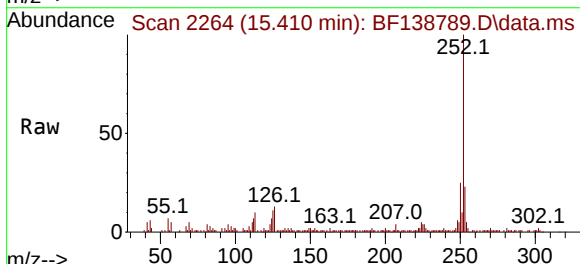
APPROVED

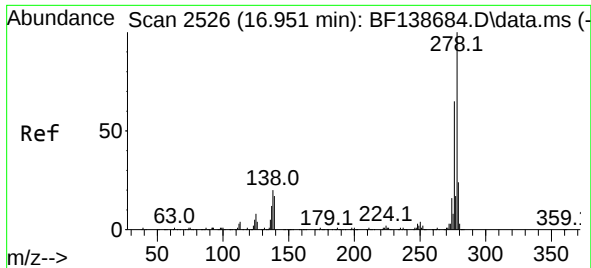
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#90
Benzo(a)pyrene
Concen: 19.852 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.006 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Tgt Ion:252 Resp: 53110
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 11.2 9.5 14.3





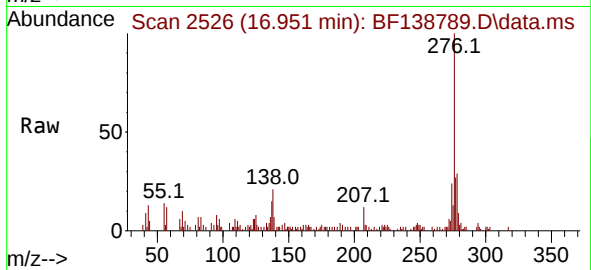
#91
Dibenzo(a,h)anthracene
Concen: 2.326 ng
RT: 16.951 min Scan# 210
Delta R.T. 0.000 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02

Instrument :

BNA_F

ClientSampleId :

TR-05-082024

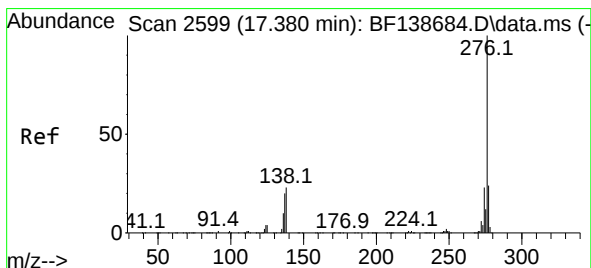
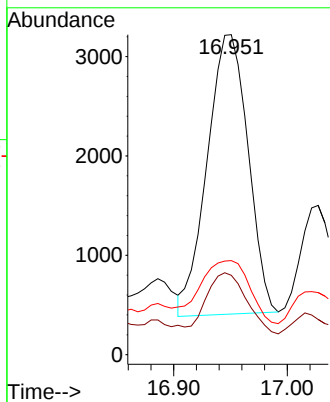
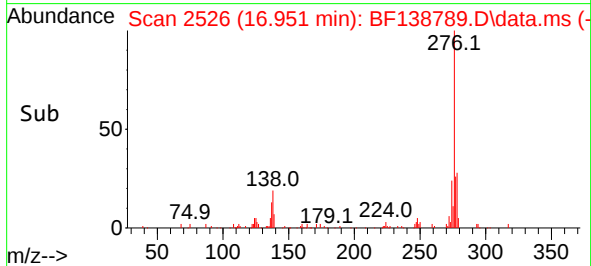


Tgt Ion: 278 Resp: 702
Ion Ratio Lower Upper
278 100
139 24.8 14.0 21.0
279 29.4 19.0 28.4

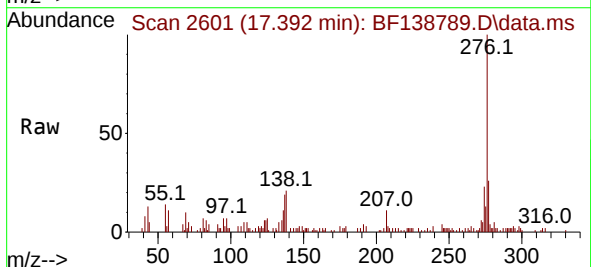
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#92
Benzo(g,h,i)perylene
Concen: 8.818 ng
RT: 17.392 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BF138789.D
Acq: 05 Aug 2024 17:02



Tgt Ion: 276 Resp: 27618
Ion Ratio Lower Upper
276 100
277 26.5 19.0 28.4
138 20.6 18.5 27.7

