

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138792.D
 Acq On : 05 Aug 2024 18:43
 Operator : RC/JU
 Sample : P3442-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-080124

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 00:55:37 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	41837	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	147454	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	62340	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	99235	20.000	ng	0.00
76) Chrysene-d12	14.004	240	56420	20.000	ng	0.00
86) Perylene-d12	15.474	264	49543	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	112446	41.489	ng	0.00
7) Phenol-d6	6.481	99	141936	39.006	ng	0.00
23) Nitrobenzene-d5	7.404	82	86355	28.633	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	19565	38.314	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	124583	30.027	ng	0.00
79) Terphenyl-d14	12.945	244	107390	31.868	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.386	178	12040	2.356	ng	97
75) Fluoranthene	12.580	202	41937	8.791	ng	98
78) Pyrene	12.810	202	39724	7.478	ng	98
81) Benzo(a)anthracene	13.998	228	21277	5.476	ng	94
83) Chrysene	14.033	228	14686m	4.190	ng	
87) Indeno(1,2,3-cd)pyrene	16.951	276	7410	2.087	ng	94
88) Benzo(b)fluoranthene	15.051	252	18367m	5.980	ng	
89) Benzo(k)fluoranthene	15.063	252	6912m	2.599	ng	
90) Benzo(a)pyrene	15.410	252	13812	5.347	ng	# 90
92) Benzo(g,h,i)perylene	17.398	276	6971	2.305	ng	# 87

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

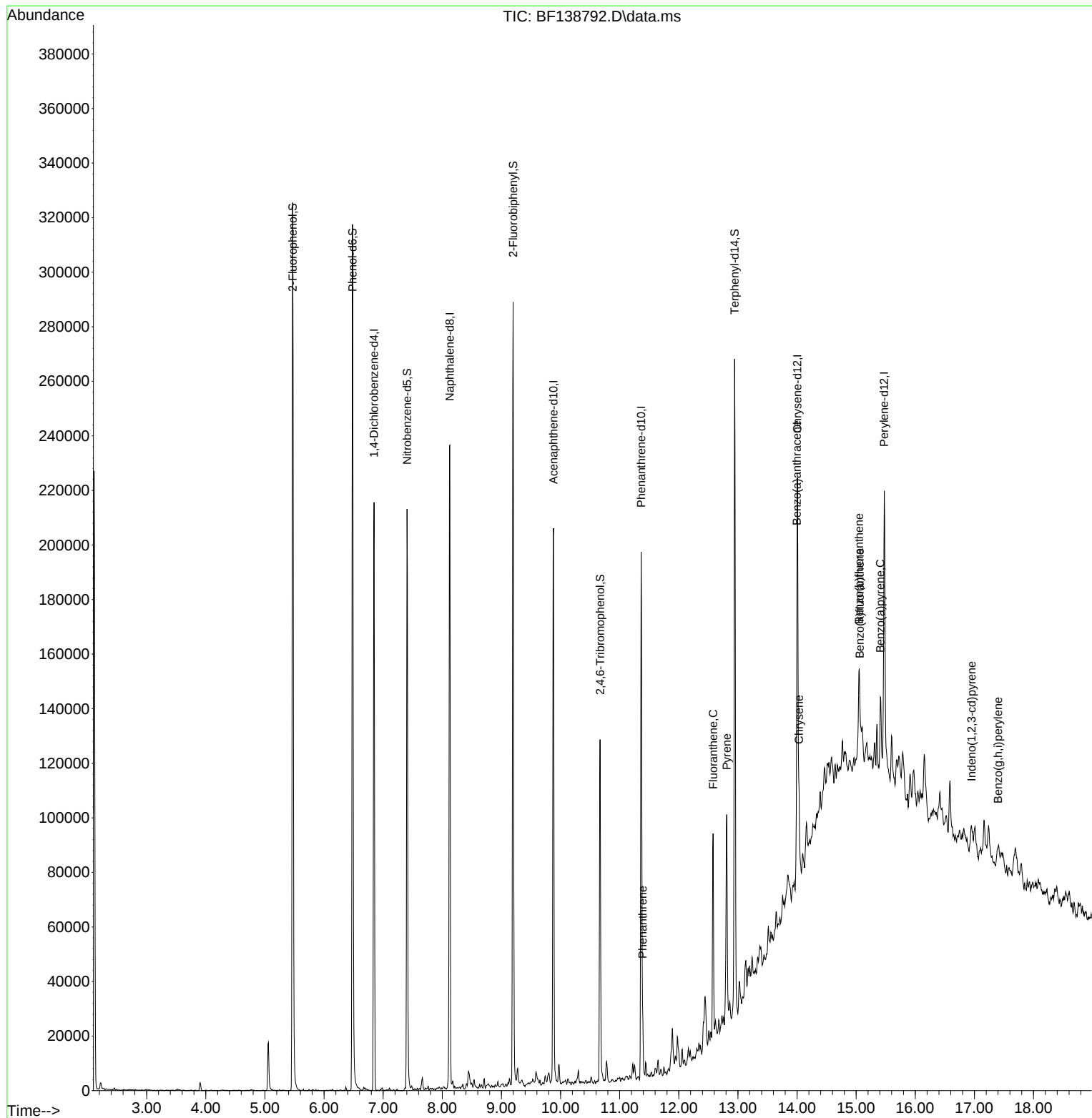
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
Data File : BF138792.D
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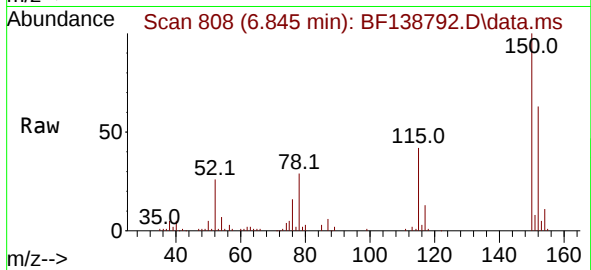
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

CL-02-080124

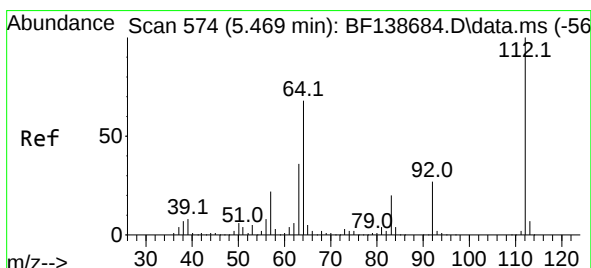
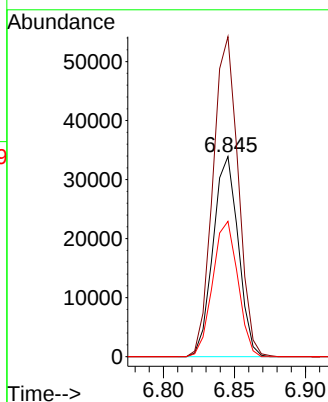
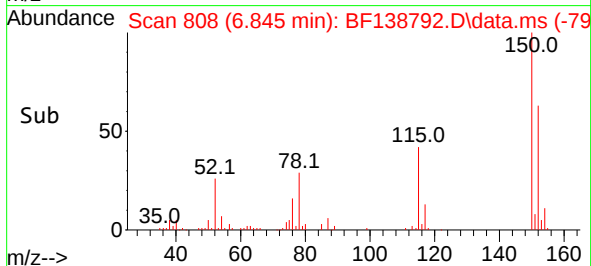


Tgt Ion:152 Resp: 4183
Ion Ratio Lower Upper
152 100
150 159.9 126.0 189.0
115 67.6 51.7 77.5

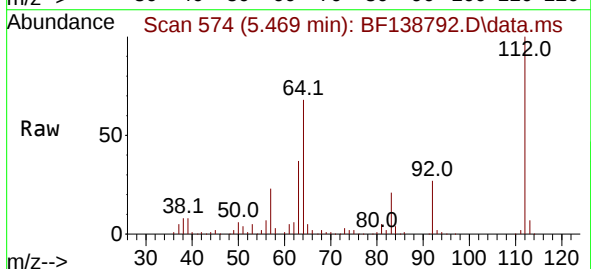
Manual Integrations

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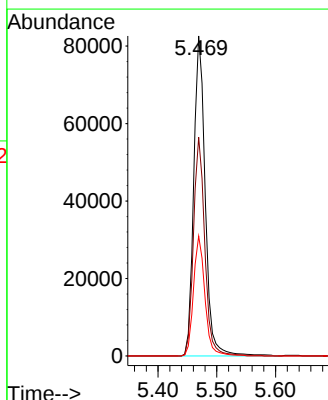
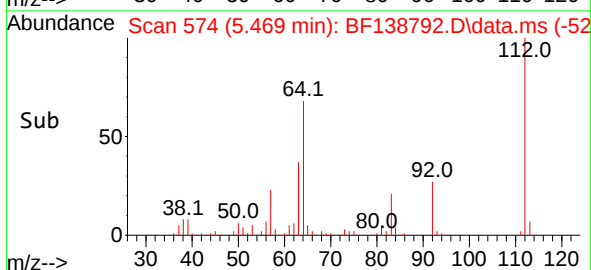
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#5
2-Fluorophenol
Concen: 41.489 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43



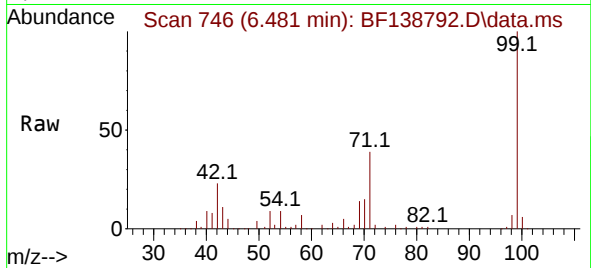
Tgt Ion:112 Resp: 112446
Ion Ratio Lower Upper
112 100
64 68.4 54.2 81.4
63 37.4 28.7 43.1





#7
Phenol-d6
Concen: 39.006 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

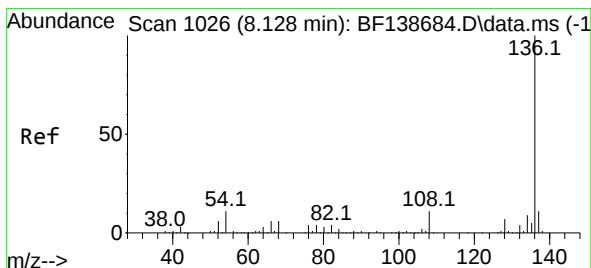
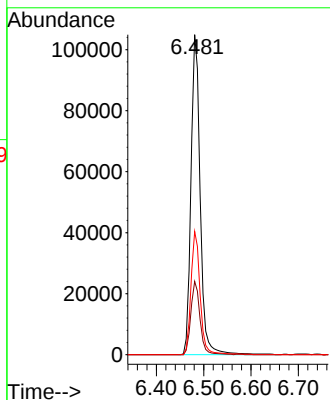
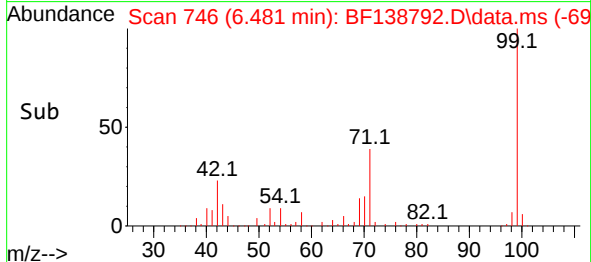
Instrument :
BNA_F
ClientSampleId :
CL-02-080124



Tgt Ion: 99 Resp: 141936
Ion Ratio Lower Upper
99 100
42 22.9 17.4 26.0
71 38.5 28.1 42.1

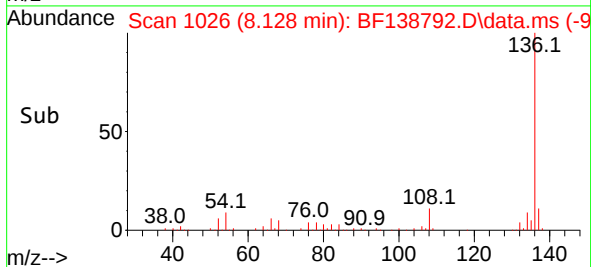
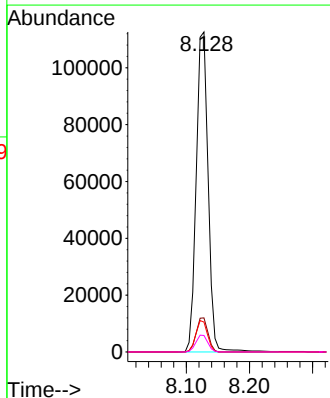
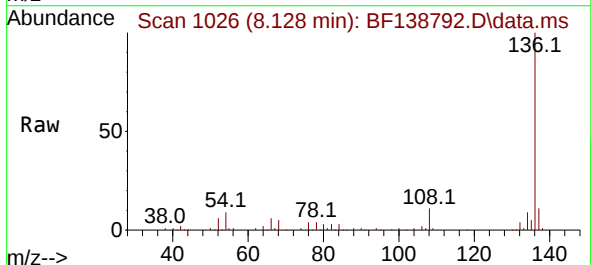
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Supervised By :mohammad ahmed 08/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Tgt Ion:136 Resp: 147454
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 9.4 8.6 12.8
68 5.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 28.633 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.006 min

Lab File: BF138792.D

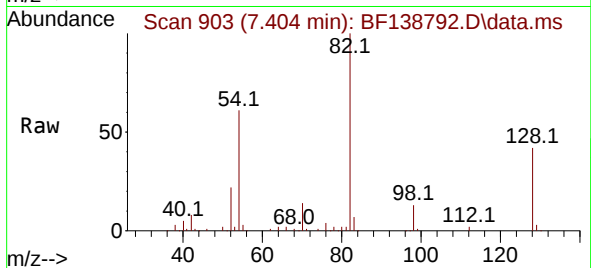
Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

CL-02-080124



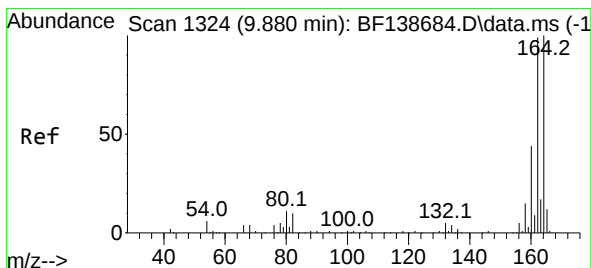
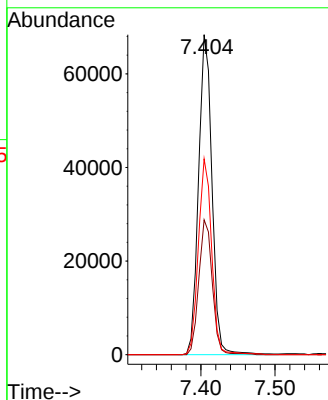
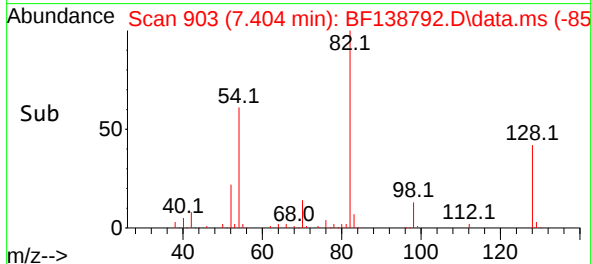
Tgt Ion: 82 Resp: 8635

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.8	49.2
54	61.2	48.3	72.5

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Supervised By :mohammad ahmed 08/07/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1324

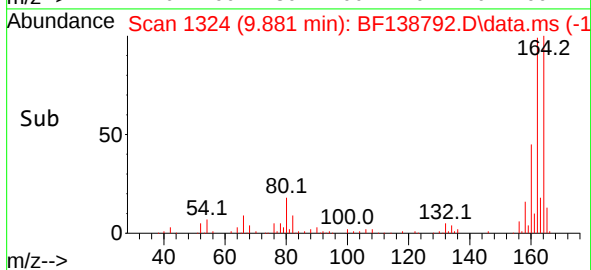
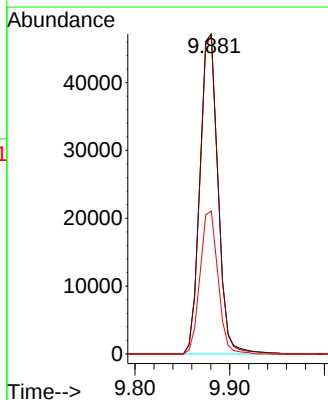
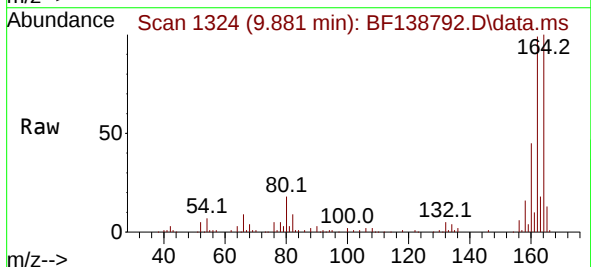
Delta R.T. 0.001 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Tgt Ion:164 Resp: 62340

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	44.7	35.1	52.7





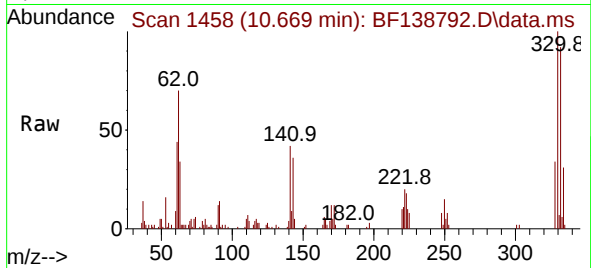
#42
2,4,6-Tribromophenol
Concen: 38.314 ng
RT: 10.669 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

CL-02-080124

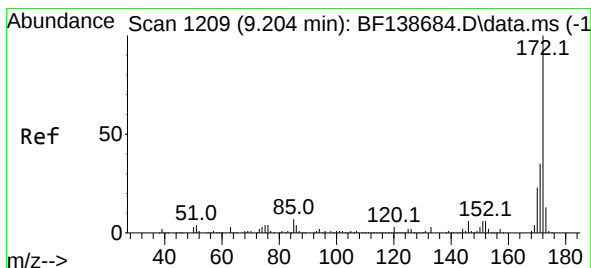
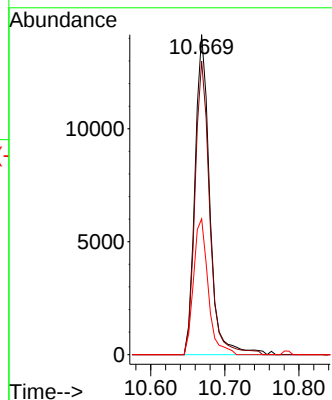
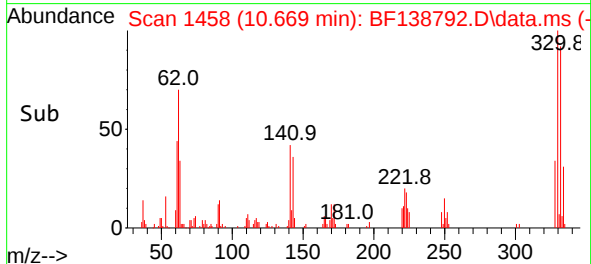


Tgt Ion:330 Resp: 1956
Ion Ratio Lower Upper
330 100
332 91.4 76.4 114.6
141 42.1 31.1 46.7

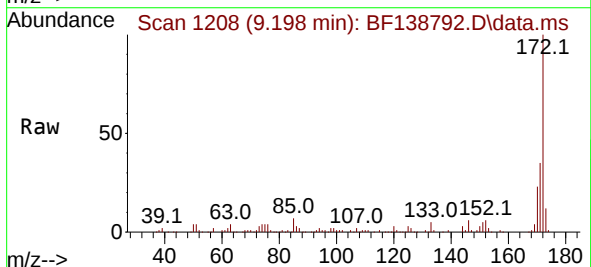
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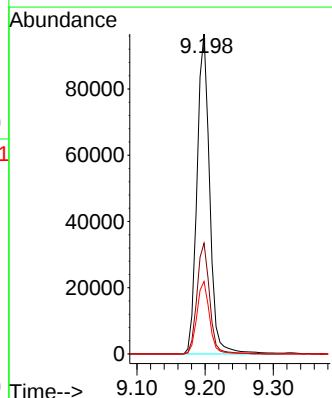
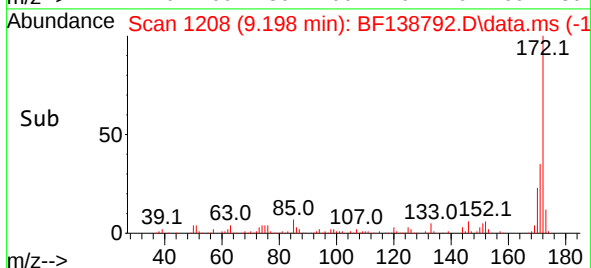
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#45
2-Fluorobiphenyl
Concen: 30.027 ng
RT: 9.198 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43



Tgt Ion:172 Resp: 124583
Ion Ratio Lower Upper
172 100
171 34.6 28.3 42.5
170 22.7 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

CL-02-080124

Tgt Ion:188 Resp: 9923

Ion Ratio Lower Upper

188 100

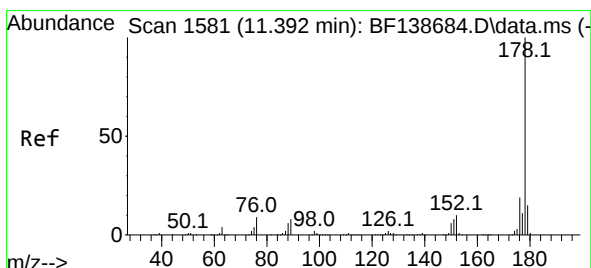
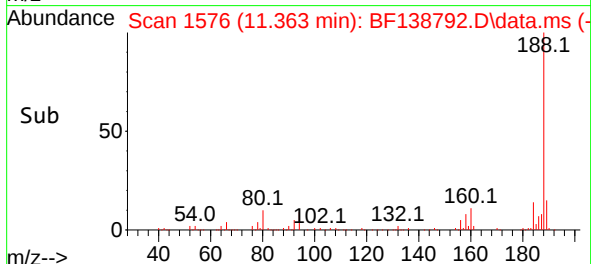
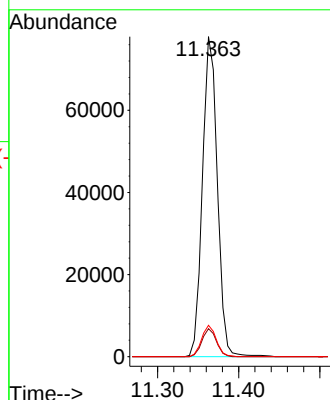
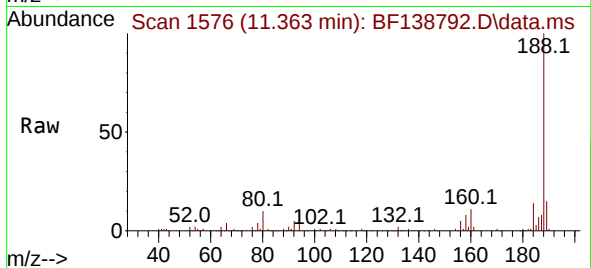
94 8.8 7.6 11.4

80 9.8 8.6 12.8

Manual Integrations

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



#71

Phenanthrene

Concen: 2.356 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

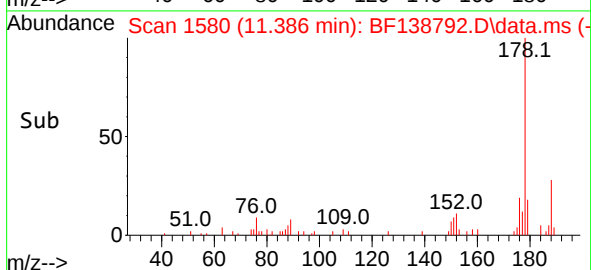
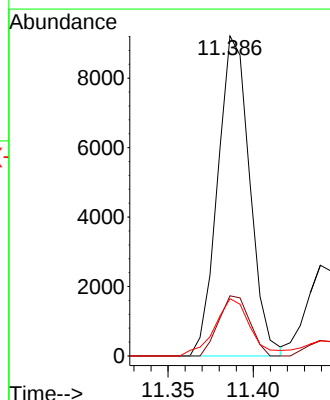
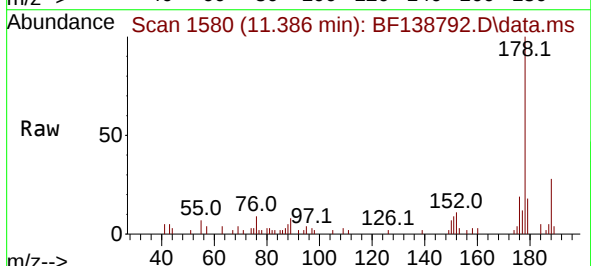
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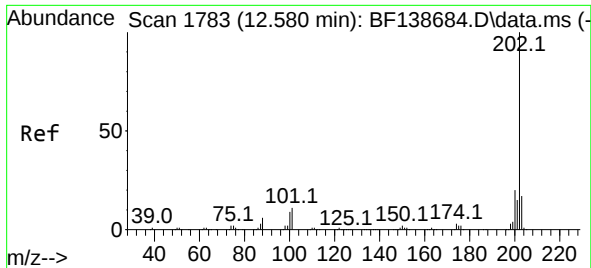
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.0

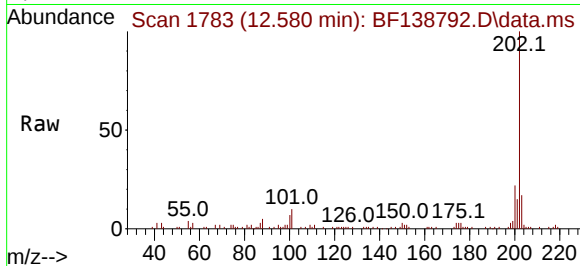
179 17.9 12.2 18.2





#75
Fluoranthene
Concen: 8.791 ng
RT: 12.580 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

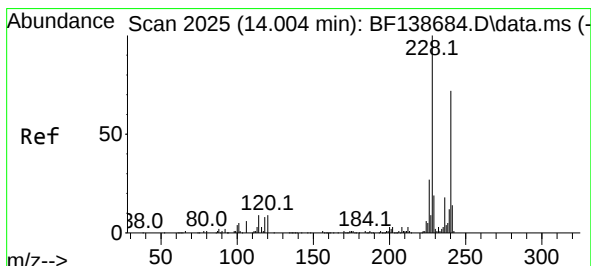
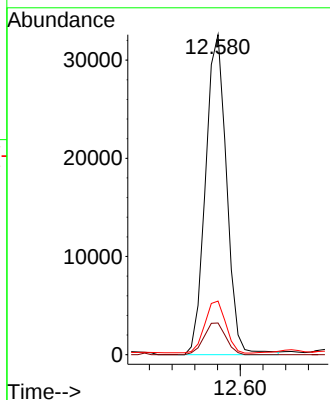
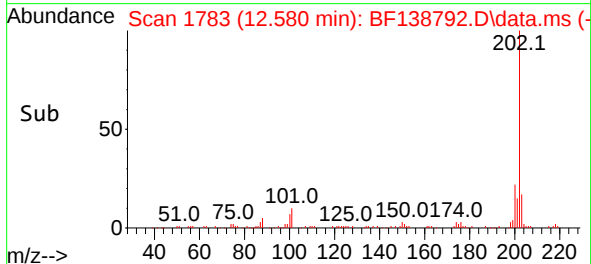
Instrument :
BNA_F
ClientSampleId :
CL-02-080124



Tgt Ion:202 Resp: 4193
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.2
203 16.7 0.0 37.3

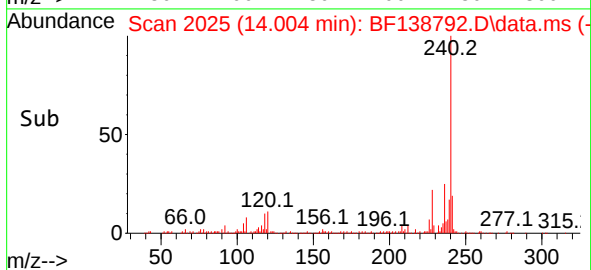
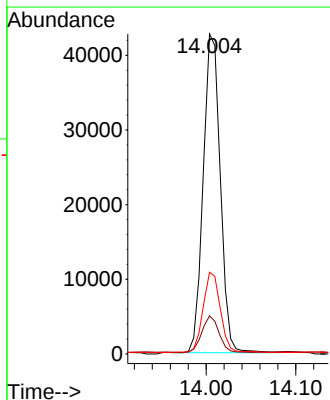
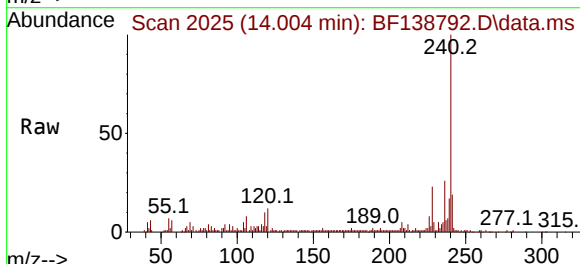
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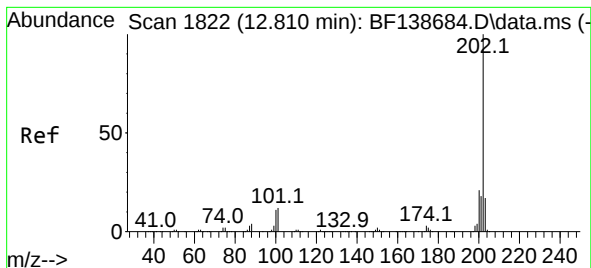
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Tgt Ion:240 Resp: 56420
Ion Ratio Lower Upper
240 100
120 11.9 10.2 15.4
236 25.6 19.8 29.8





#78

Pyrene

Concen: 7.478 ng

RT: 12.810 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

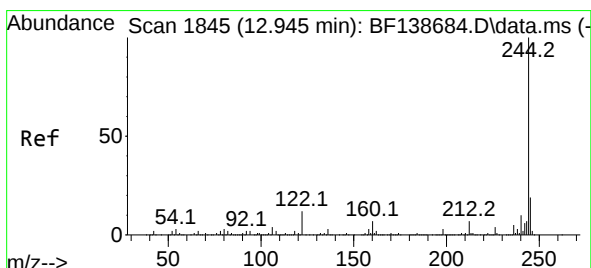
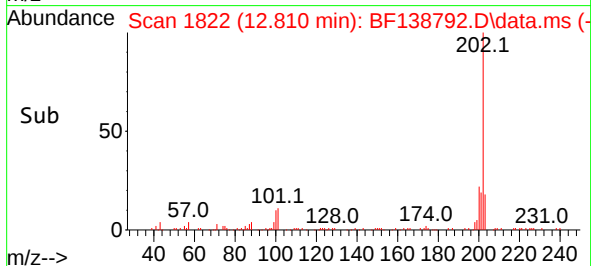
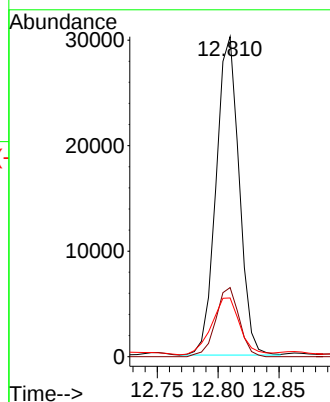
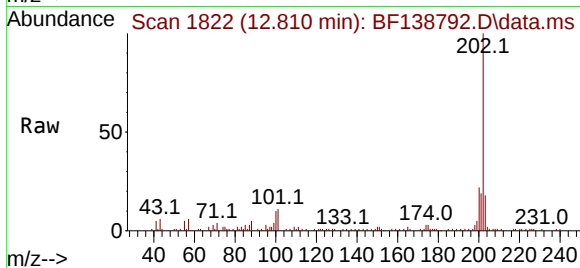
CL-02-080124

Tgt Ion:	202	Resp:	39724
Ion Ratio	Lower	Upper	
202	100		
200	21.6	16.8	25.2
203	18.4	13.8	20.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 31.868 ng

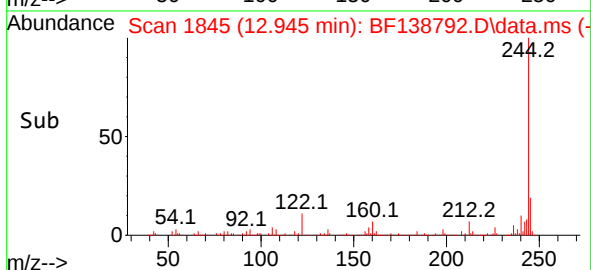
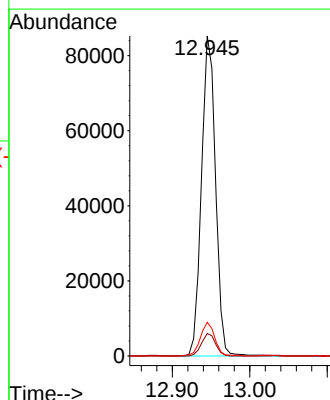
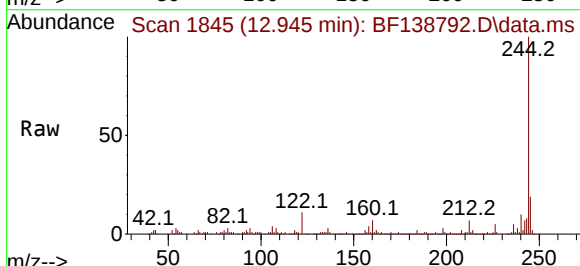
RT: 12.945 min Scan# 1845

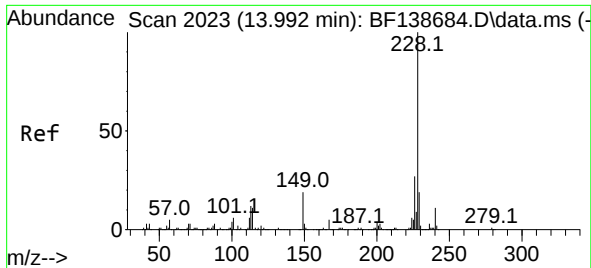
Delta R.T. 0.000 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Tgt Ion:	244	Resp:	107390
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.2
122	10.5	9.6	14.4





#81
Benzo(a)anthracene
Concen: 5.476 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138792.D
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Instrument :

BNA_F

ClientSampleId :

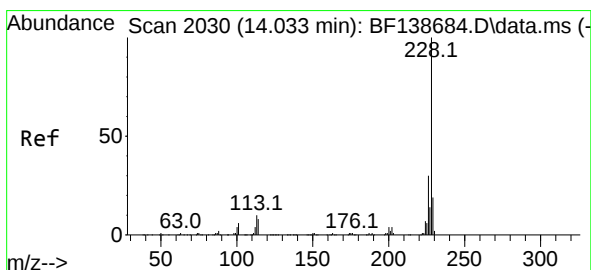
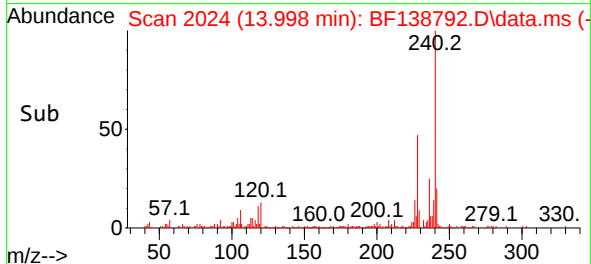
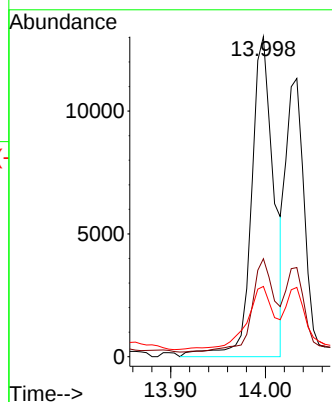
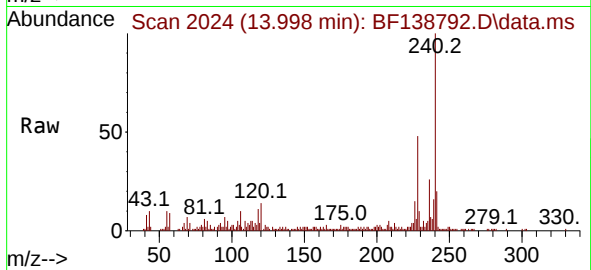
CL-02-080124

Tgt Ion:228 Resp: 2127
Ion Ratio Lower Upper
228 100
226 30.6 22.1 33.1
229 21.9 15.4 23.0

Manual Integrations

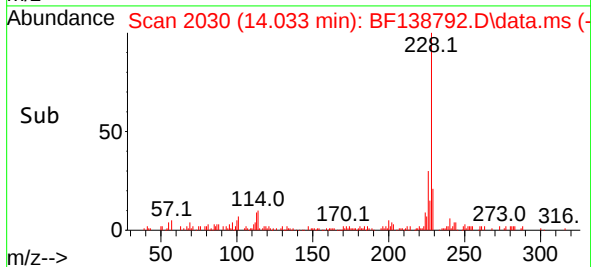
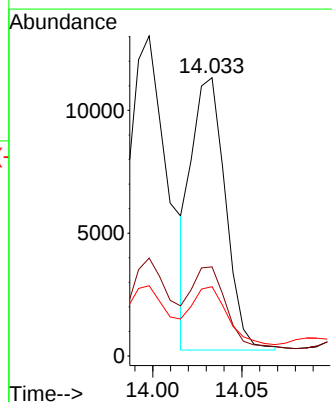
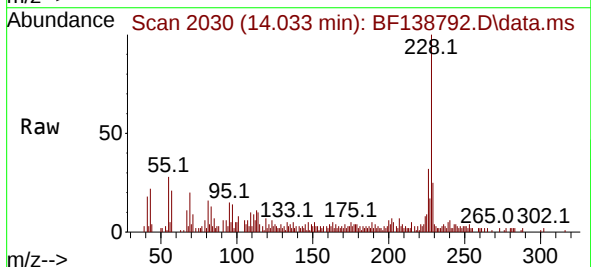
APPROVED

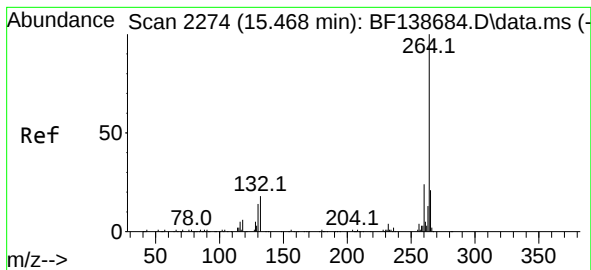
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#83
Chrysene
Concen: 4.190 ng m
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Tgt Ion:228 Resp: 14686
Ion Ratio Lower Upper
228 100
226 32.0 23.7 35.5
229 24.9 15.0 22.6#





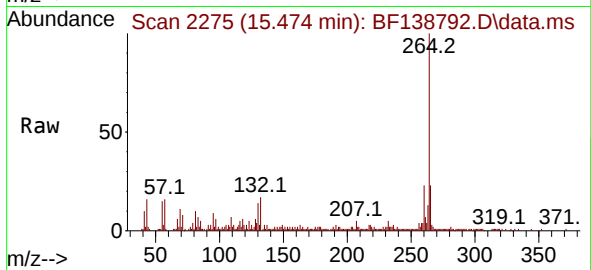
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

CL-02-080124

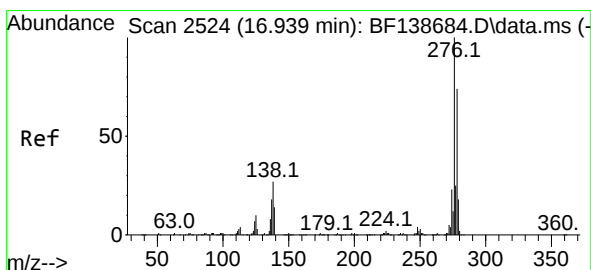
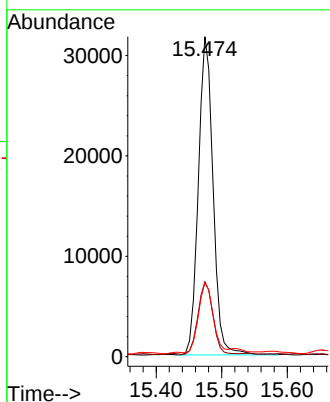
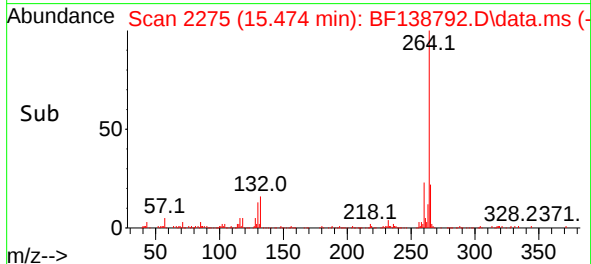


Tgt Ion:264 Resp: 4954
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 23.1 17.0 25.6

Manual Integrations

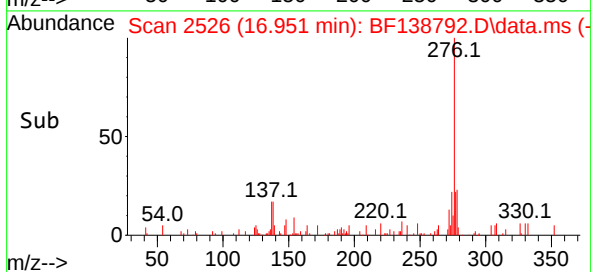
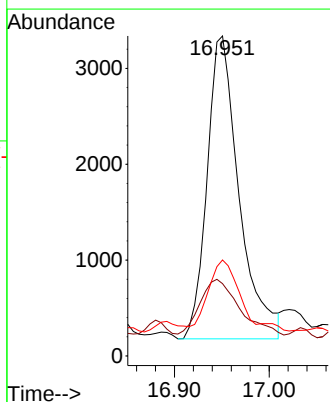
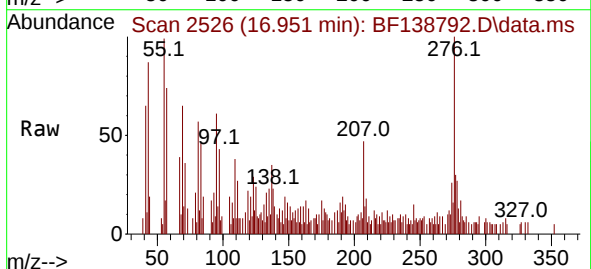
APPROVED

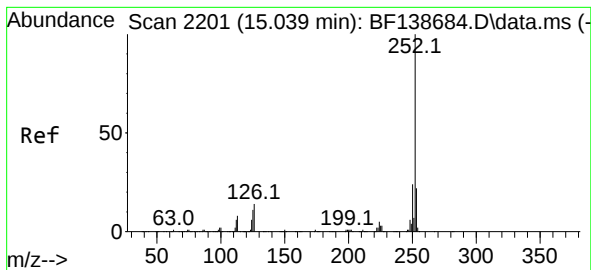
Reviewed By :Jagrut Upadhyay 08/06/2024
Supervised By :mohammad ahmed 08/07/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.087 ng
RT: 16.951 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF138792.D
Acq: 05 Aug 2024 18:43

Tgt Ion:276 Resp: 7410
Ion Ratio Lower Upper
276 100
138 22.5 21.8 32.8
277 24.7 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 5.980 ng m

RT: 15.051 min Scan# 2201

Delta R.T. 0.012 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

CL-02-080124

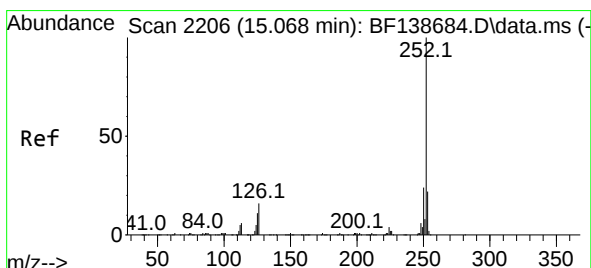
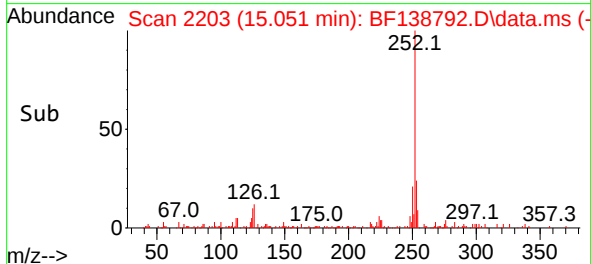
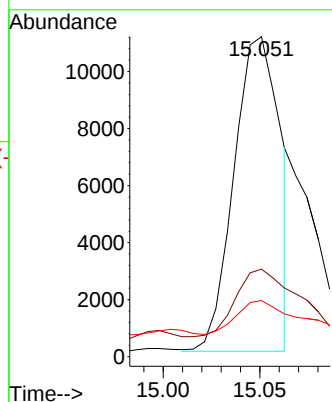
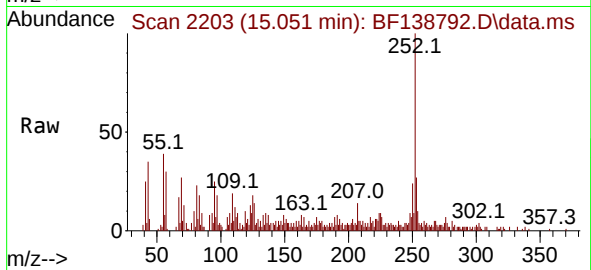
Tgt Ion:252 Resp: 1836

Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.5	26.3
125	17.6	8.9	13.3

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 2.599 ng m

RT: 15.063 min Scan# 2205

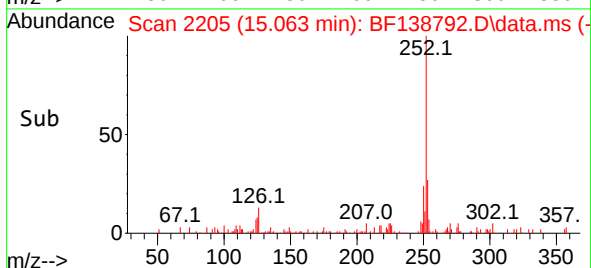
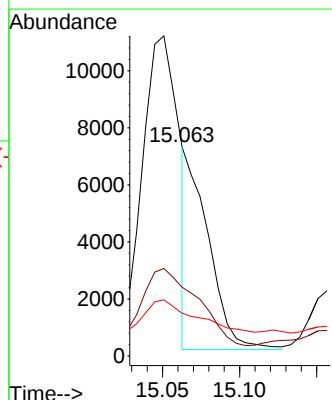
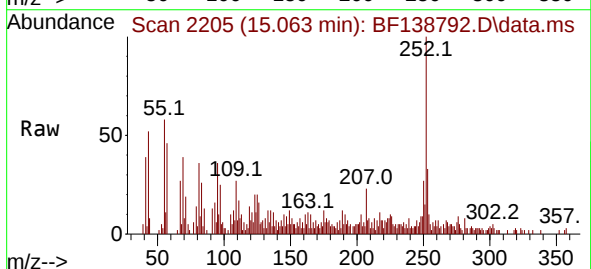
Delta R.T. -0.006 min

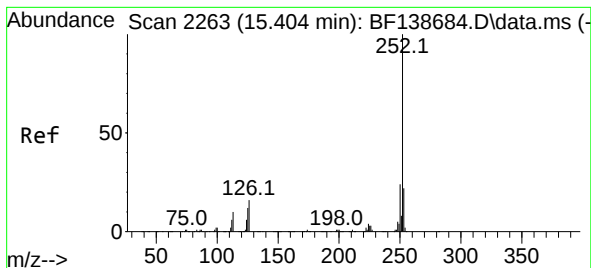
Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Tgt Ion:252 Resp: 6912

Ion	Ratio	Lower	Upper
252	100		
253	32.9	17.4	26.0
125	20.4	8.6	13.0





#90

Benzo(a)pyrene

Concen: 5.347 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Instrument :

BNA_F

ClientSampleId :

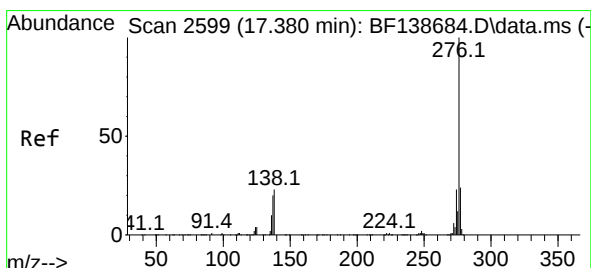
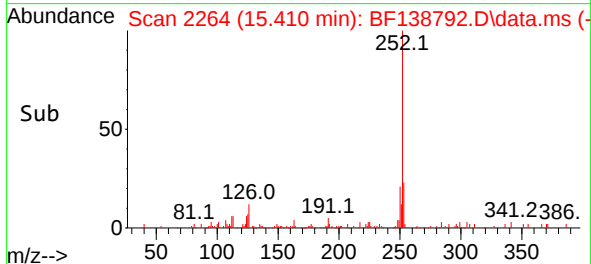
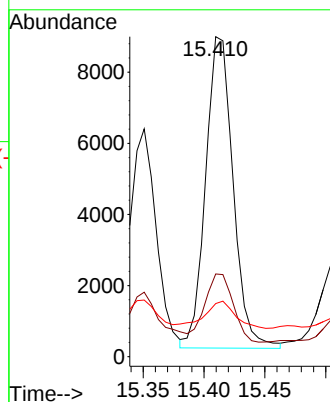
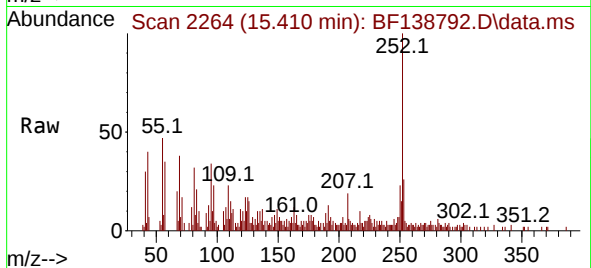
CL-02-080124

Tgt Ion:	252	Resp:	1381
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.3	25.9
125	16.6	9.5	14.3

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 2.305 ng

RT: 17.398 min Scan# 2602

Delta R.T. 0.018 min

Lab File: BF138792.D

Acq: 05 Aug 2024 18:43

Tgt Ion:	276	Resp:	6971
Ion Ratio	Lower	Upper	
276	100		
277	30.1	19.0	28.4#
138	29.4	18.5	27.7#

