

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071524\
 Data File : BF138574.D
 Acq On : 15 Jul 2024 18:14
 Operator : CG\JU
 Sample : P3228-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-DIS-01-07112024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 19:00:50 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	6.863	152	93624	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	339896	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	150968	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	227792	20.000	ng	0.00
76) Chrysene-d12	14.021	240	146633	20.000	ng	0.00
86) Perylene-d12	15.492	264	120086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	312143	52.803	ng	0.00
7) Phenol-d6	6.498	99	401847	51.099	ng	0.00
23) Nitrobenzene-d5	7.428	82	257413	37.183	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	64649	45.820	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	415449	43.010	ng	0.00
79) Terphenyl-d14	12.968	244	355451	39.491	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.410	178	35478	3.083	ng	98
75) Fluoranthene	12.598	202	62135	5.291	ng	98
78) Pyrene	12.827	202	62168	4.176	ng	96
81) Benzo(a)anthracene	14.009	228	28052	2.851	ng #	85
83) Chrysene	14.045	228	27539	2.959	ng #	92
88) Benzo(b)fluoranthene	15.062	252	26766m	3.958	ng	
90) Benzo(a)pyrene	15.427	252	18443	3.104	ng #	85
92) Benzo(g,h,i)perylene	17.415	276	14146m	2.022	ng	

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

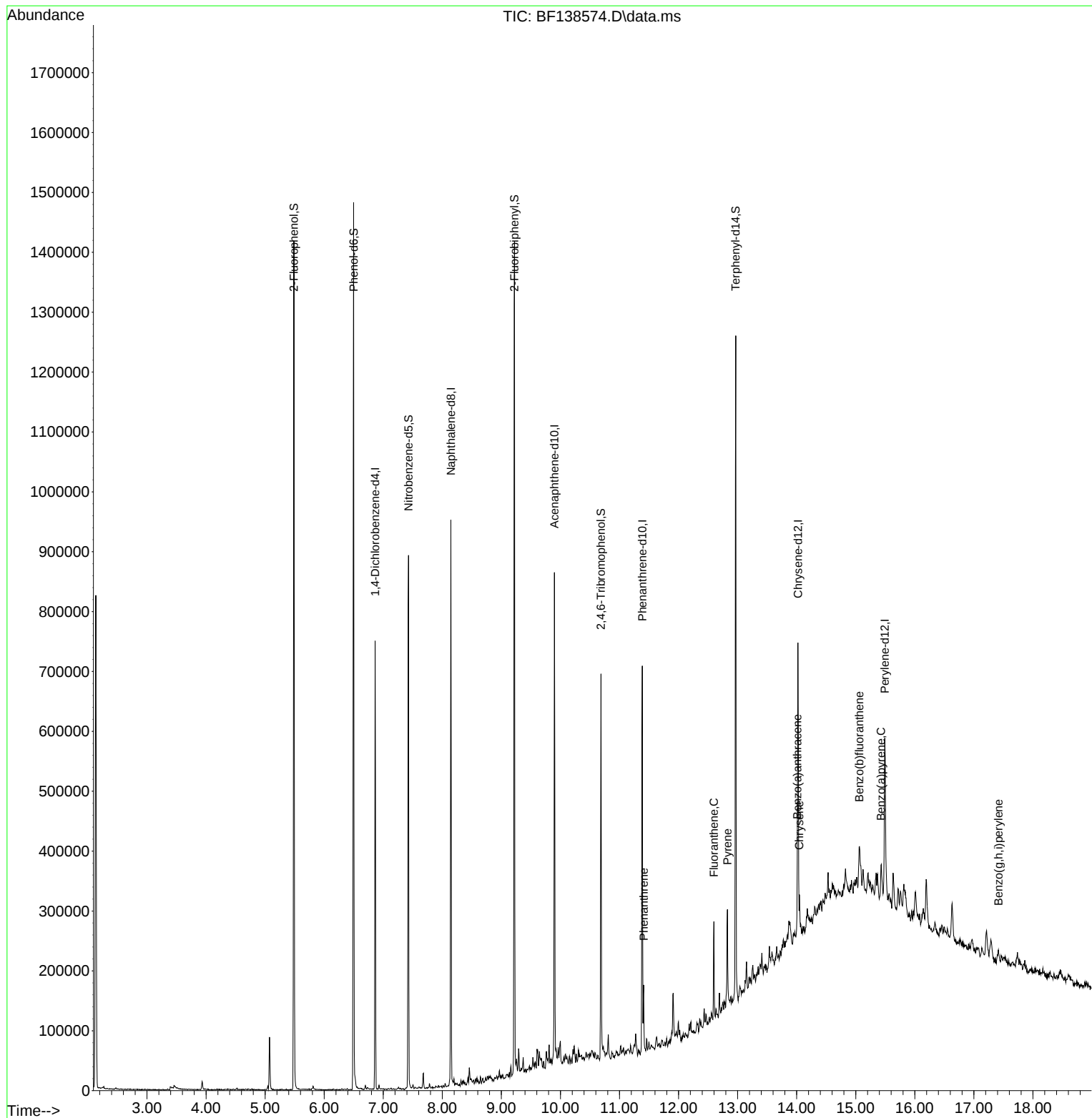
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071524\
Data File : BF138574.D
Acq On : 15 Jul 2024 18:14
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Misc :
ALS Vial : 12 Sample Multiplier: 1

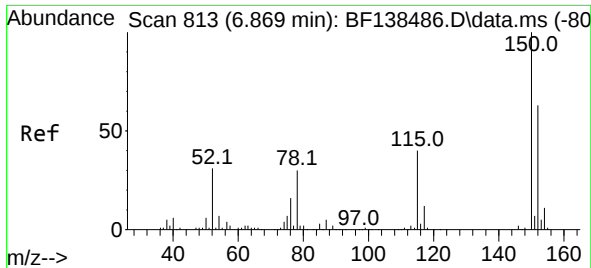
Instrument :
BNA_F
ClientSampleId :
PAT-DIS-01-07112024

Quant Time: Jul 15 19:00:50 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

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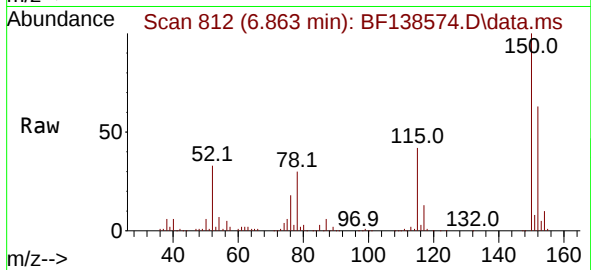
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

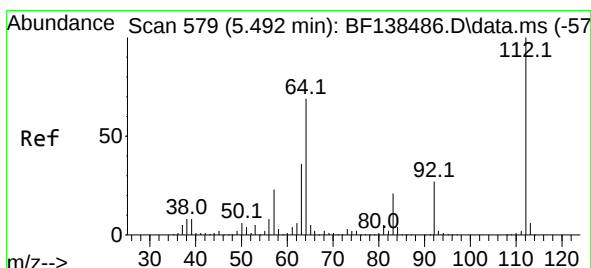
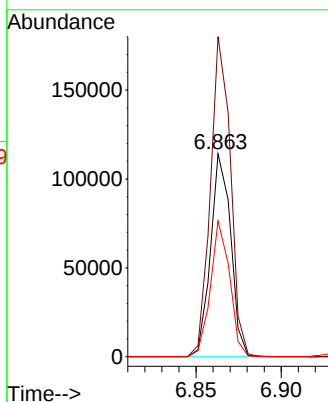
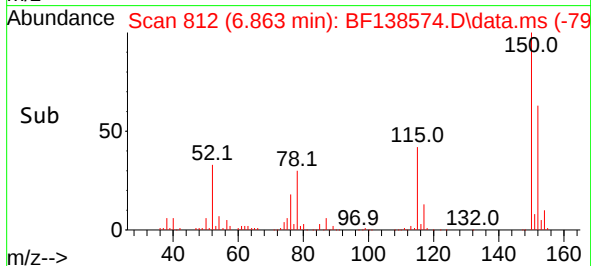
Instrument :
BNA_F
ClientSampleId :
PAT-DIS-01-07112024



Tgt Ion:152 Resp: 93624
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.4
115 66.9 50.3 75.5

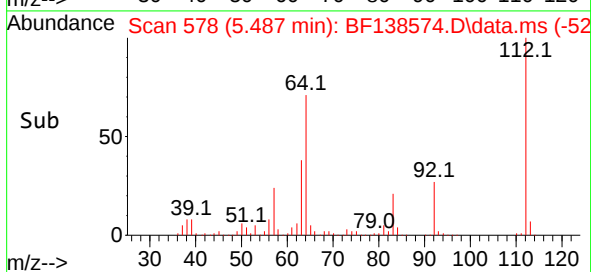
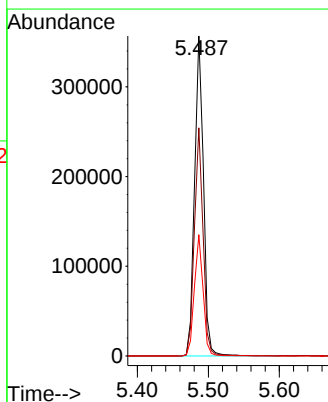
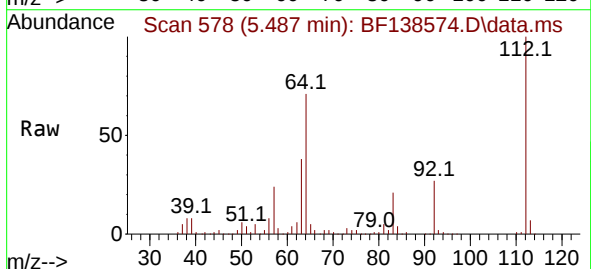
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#5
2-Fluorophenol
Concen: 52.803 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

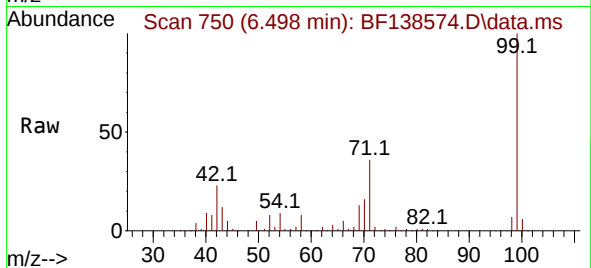
Tgt Ion:112 Resp: 312143
Ion Ratio Lower Upper
112 100
64 71.3 55.1 82.7
63 37.9 29.0 43.6





#7
Phenol-d6
Concen: 51.099 ng
RT: 6.498 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

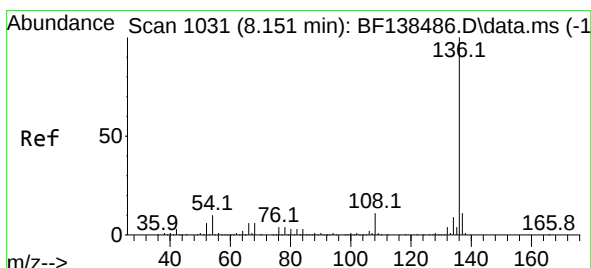
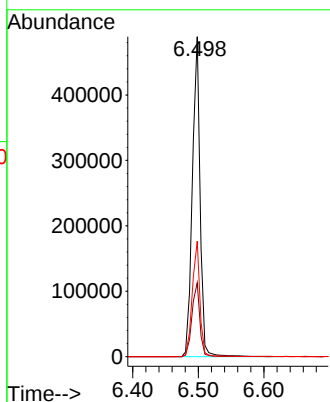
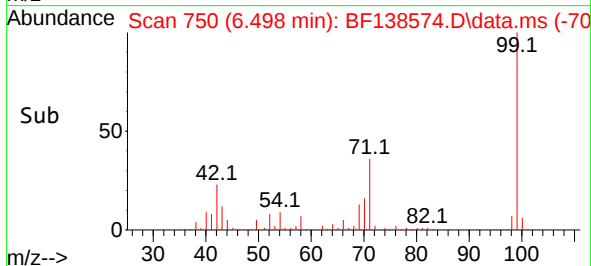
Instrument :
BNA_F
ClientSampleId :
PAT-DIS-01-07112024



Tgt Ion: 99 Resp: 40184
Ion Ratio Lower Upper
99 100
42 23.1 19.7 29.5
71 36.1 29.9 44.9

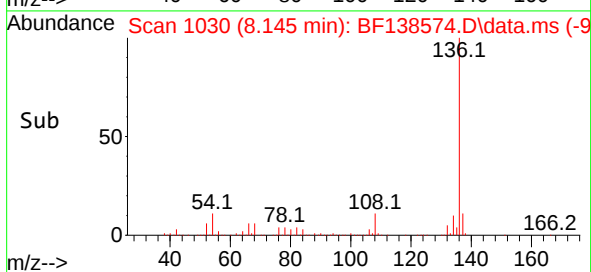
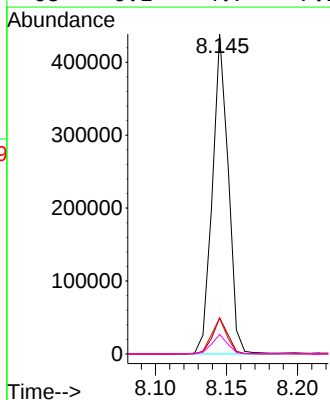
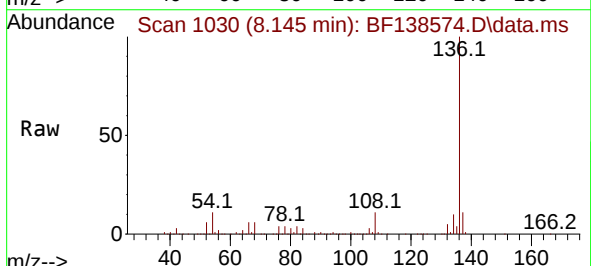
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Supervised By :mohammad ahmed 07/16/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

Tgt Ion:136 Resp: 339896
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 11.2 8.1 12.1
68 6.1 4.7 7.1





#23

Nitrobenzene-d5

Concen: 37.183 ng

RT: 7.428 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF138574.D

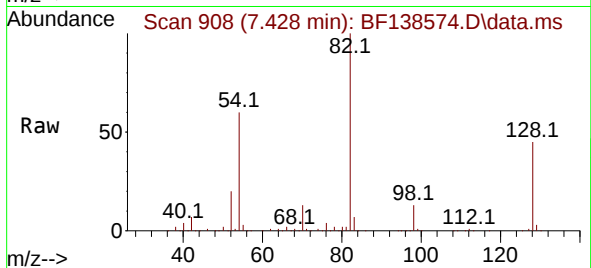
Acq: 15 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

PAT-DIS-01-07112024



Tgt Ion: 82 Resp: 25741

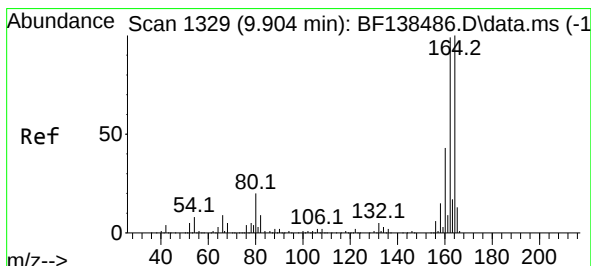
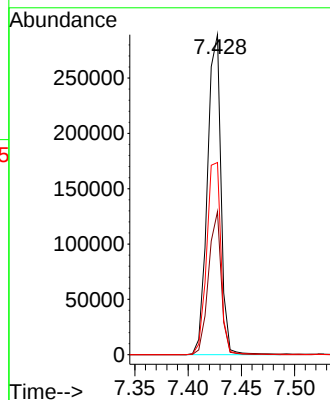
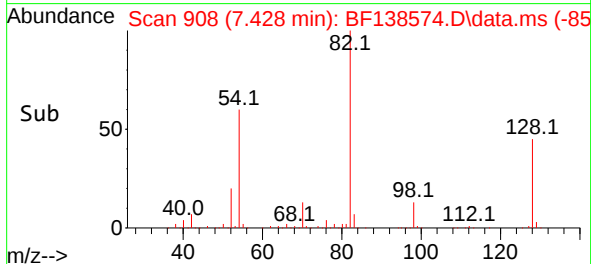
Ion	Ratio	Lower	Upper
82	100		
128	44.7	32.3	48.5
54	60.0	51.4	77.0

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Supervised By :mohammad ahmed 07/16/2024



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1328

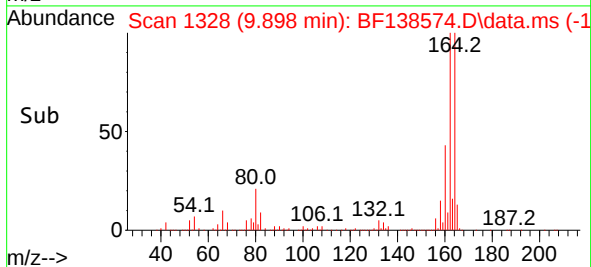
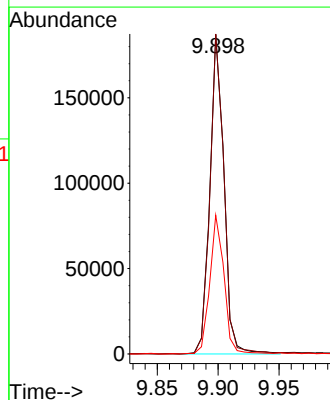
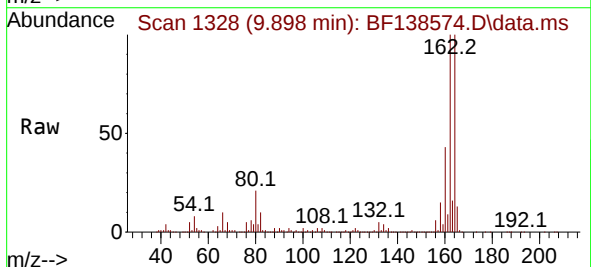
Delta R.T. -0.006 min

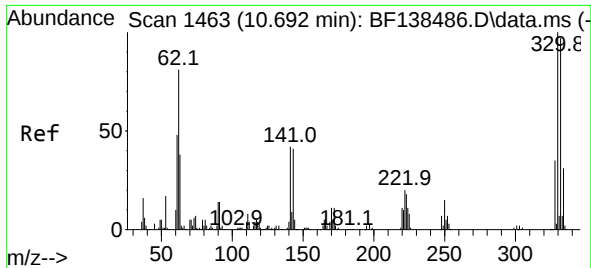
Lab File: BF138574.D

Acq: 15 Jul 2024 18:14

Tgt Ion:164 Resp: 150968

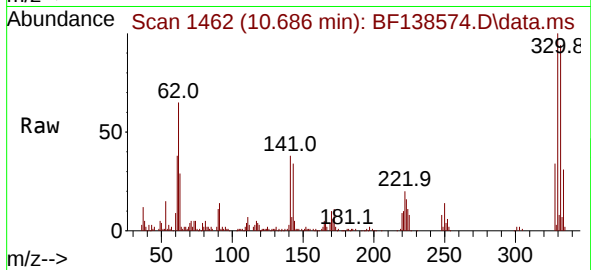
Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.0	118.6
160	43.4	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 45.820 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

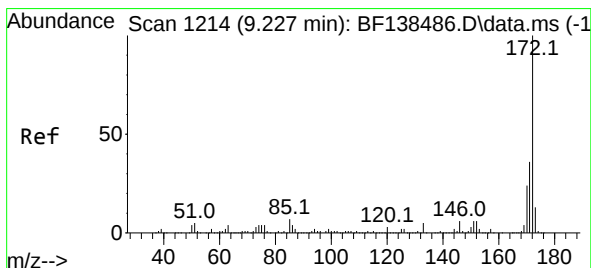
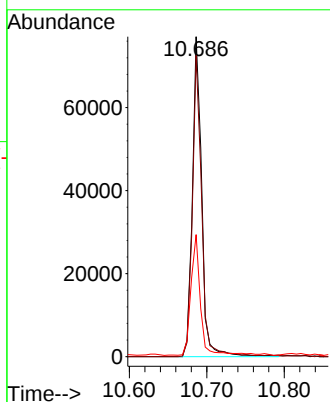
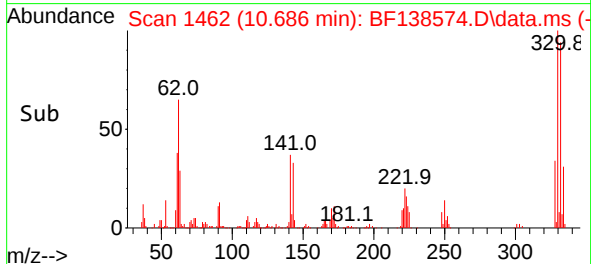
Instrument :
BNA_F
ClientSampleId :
PAT-DIS-01-07112024



Tgt Ion:330 Resp: 64649
Ion Ratio Lower Upper
330 100
332 93.3 76.8 115.2
141 39.3 29.4 44.2

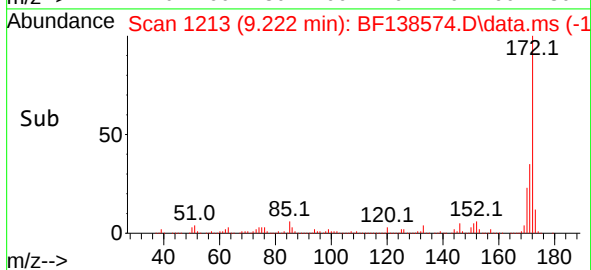
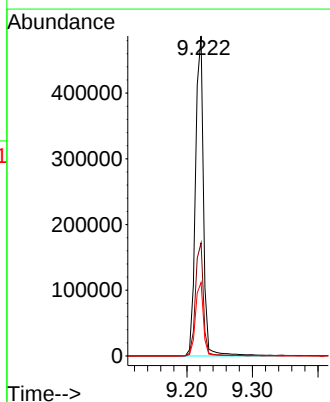
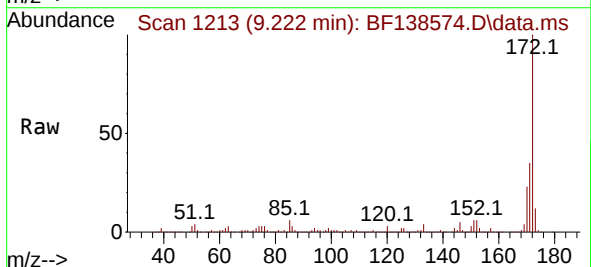
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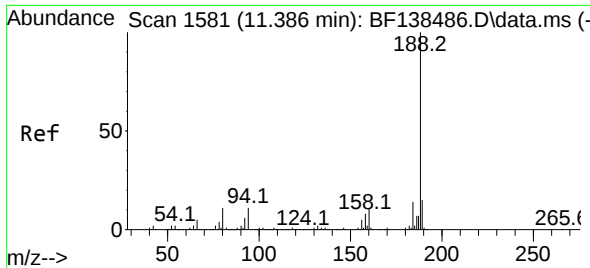
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#45
2-Fluorobiphenyl
Concen: 43.010 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

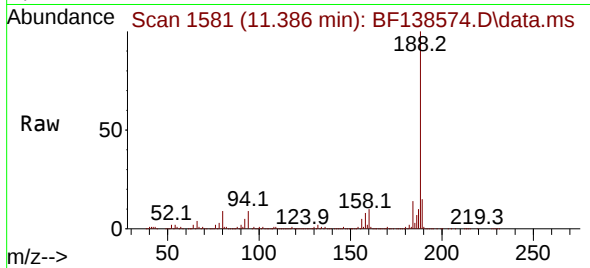
Tgt Ion:172 Resp: 415449
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 22.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

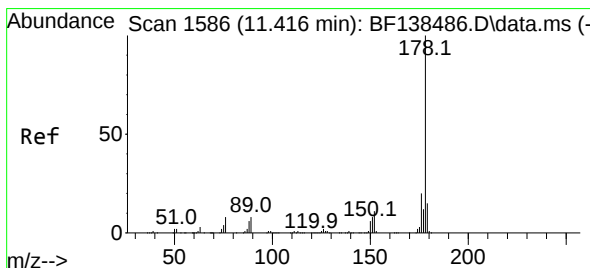
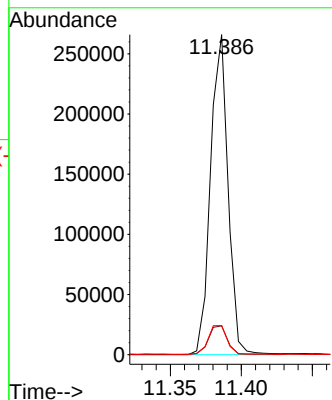
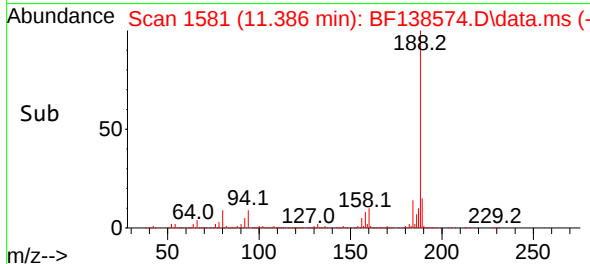
Instrument :
BNA_F
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PAT-DIS-01-07112024



Tgt Ion:188 Resp: 227792
Ion Ratio Lower Upper
188 100
94 9.0 8.7 13.1
80 9.1 9.0 13.4

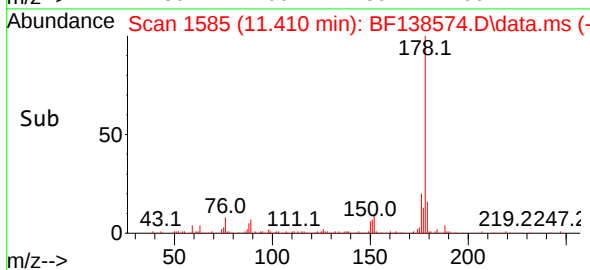
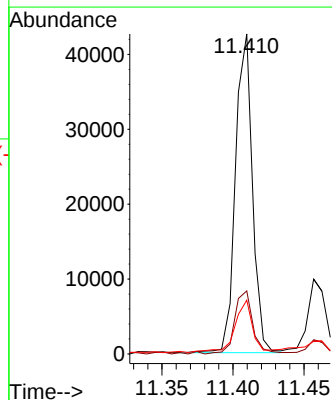
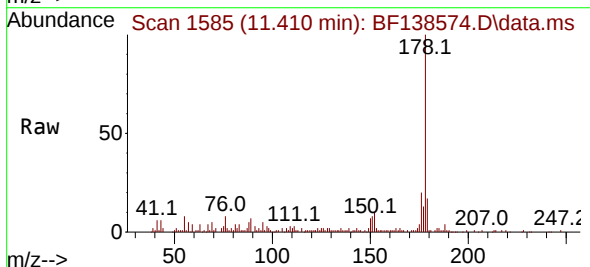
Manual Integrations
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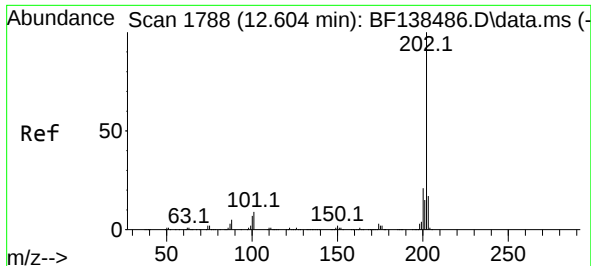
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#71
Phenanthrene
Concen: 3.083 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

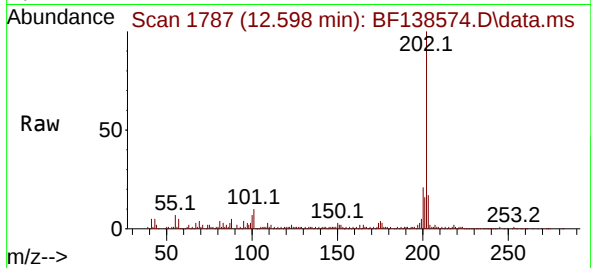
Tgt Ion:178 Resp: 35478
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 16.8 12.2 18.2





#75
Fluoranthene
Concen: 5.291 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

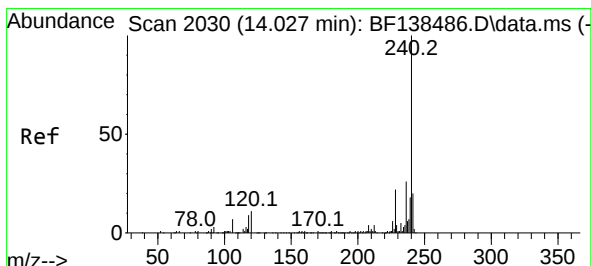
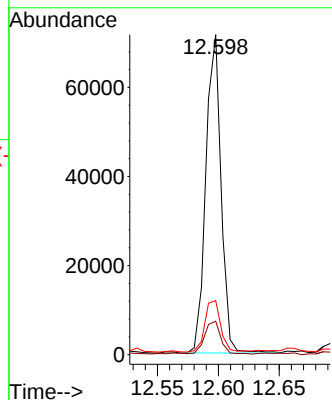
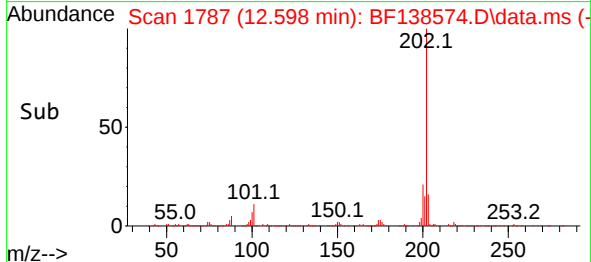
Instrument :
BNA_F
ClientSampleId :
PAT-DIS-01-07112024



Tgt Ion:202 Resp: 62135
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.2
203 16.9 0.0 37.3

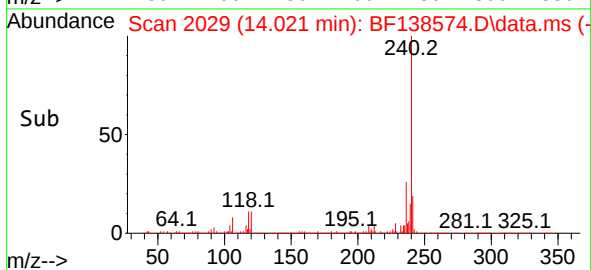
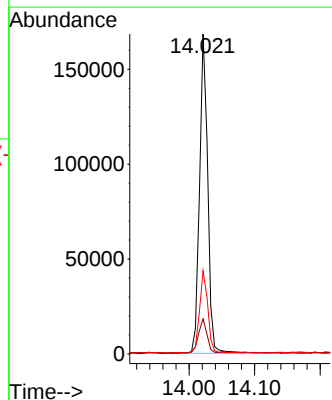
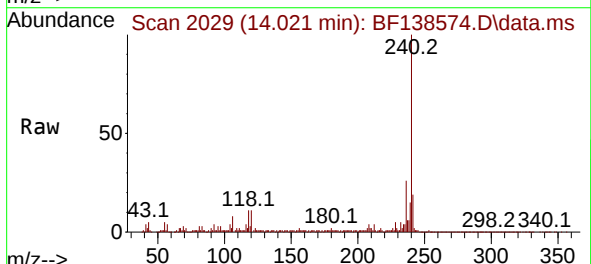
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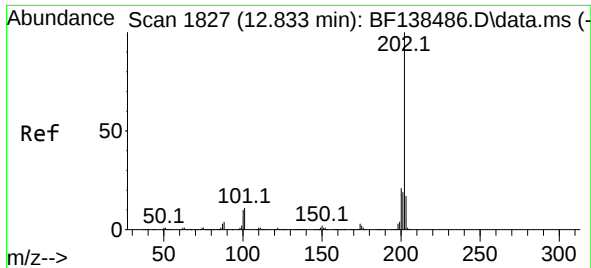
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

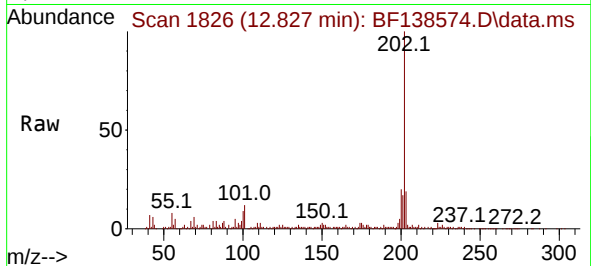
Tgt Ion:240 Resp: 146633
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 26.0 21.0 31.6





#78
Pyrene
Concen: 4.176 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

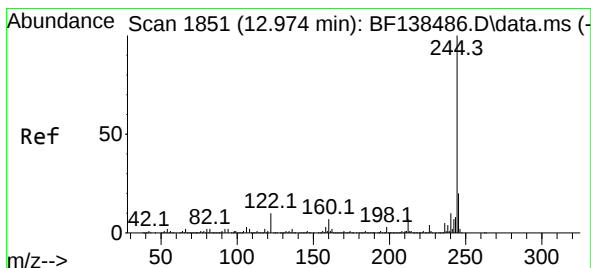
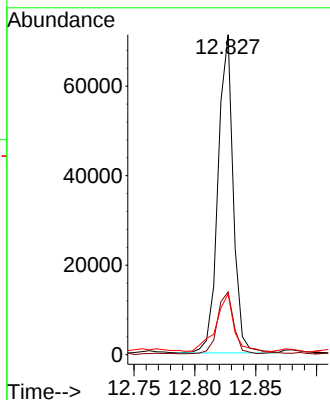
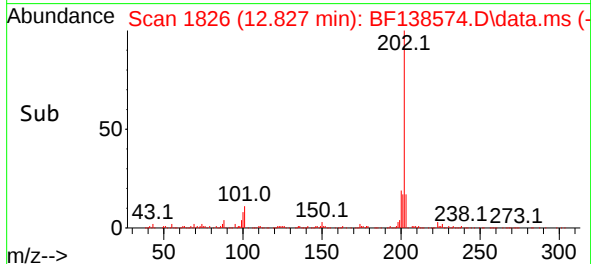
Instrument :
BNA_F
ClientSampleId :
PAT-DIS-01-07112024



Tgt Ion:202 Resp: 6216
Ion Ratio Lower Upper
202 100
200 19.6 17.0 25.6
203 18.9 13.7 20.5

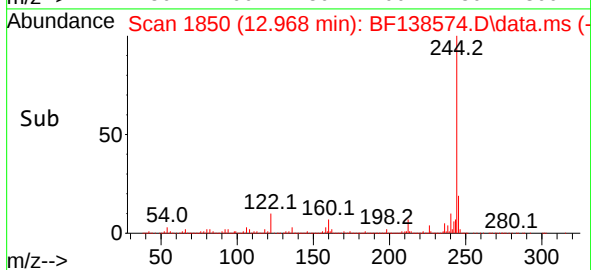
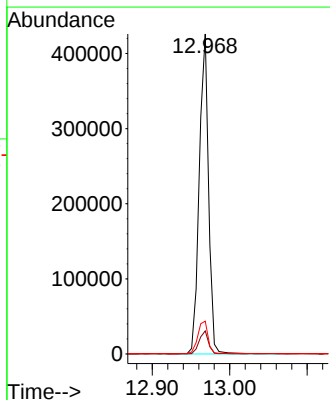
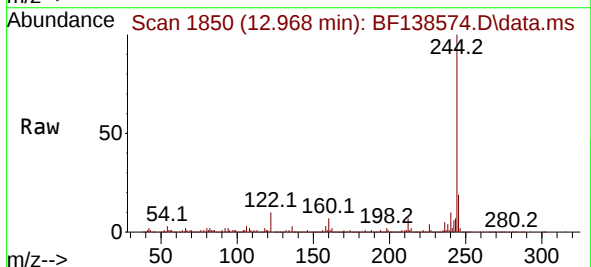
Manual Integrations
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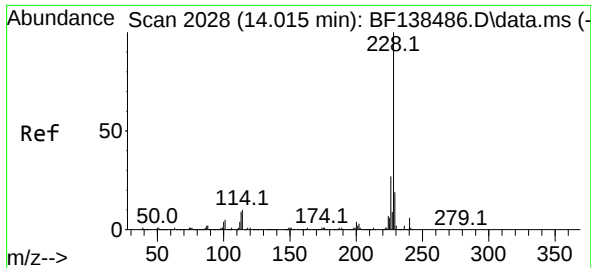
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#79
Terphenyl-d14
Concen: 39.491 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

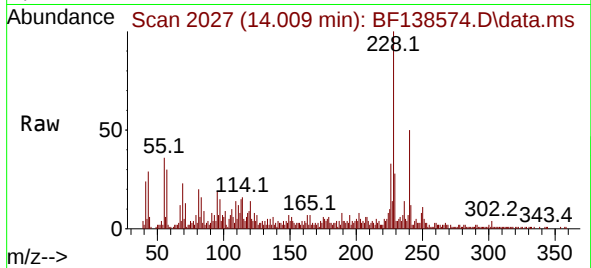
Tgt Ion:244 Resp: 355451
Ion Ratio Lower Upper
244 100
212 7.2 5.5 8.3
122 10.3 7.8 11.8





#81
Benzo(a)anthracene
Concen: 2.851 ng
RT: 14.009 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

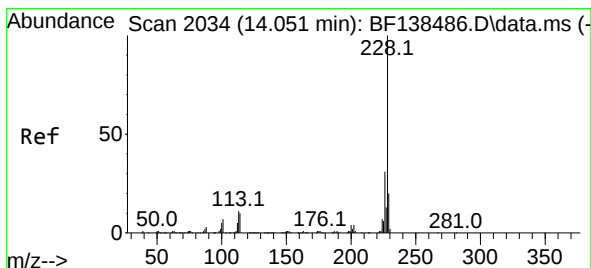
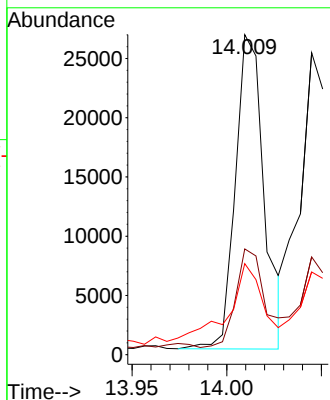
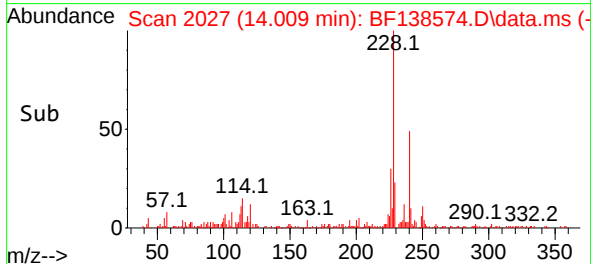
Instrument : BNA_F
ClientSampleId : PAT-DIS-01-07112024



Tgt Ion:228 Resp: 2805
Ion Ratio Lower Upper
228 100
226 33.1 21.9 32.9
229 28.5 15.5 23.3

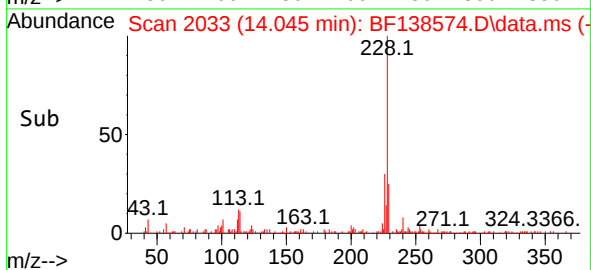
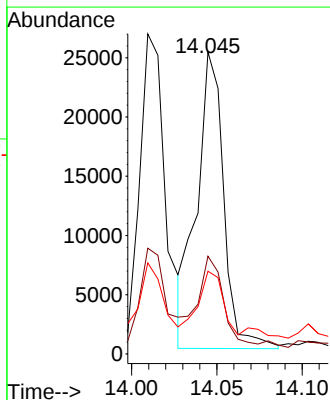
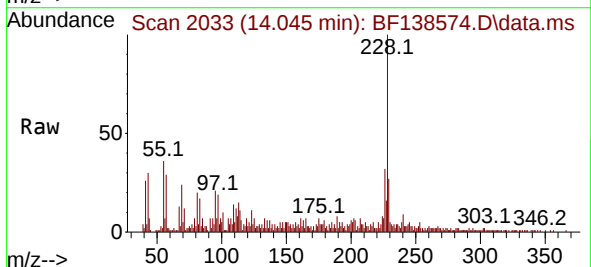
Manual Integrations
APPROVED

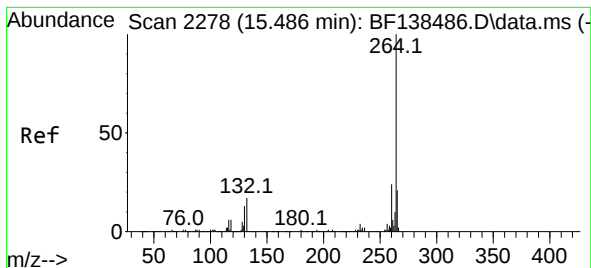
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#83
Chrysene
Concen: 2.959 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138574.D
Acq: 15 Jul 2024 18:14

Tgt Ion:228 Resp: 27539
Ion Ratio Lower Upper
228 100
226 32.4 24.4 36.6
229 27.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138574.D

Acq: 15 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

PAT-DIS-01-07112024

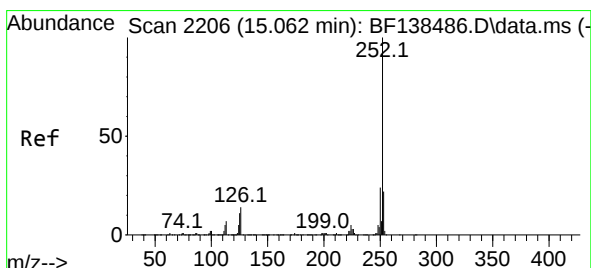
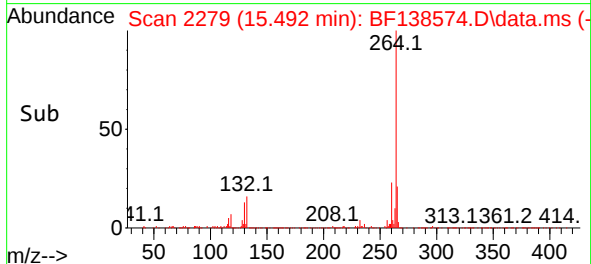
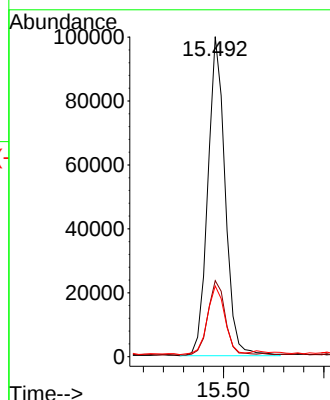
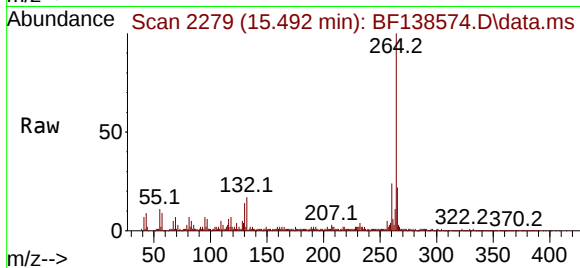
Tgt Ion:264 Resp: 120080
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.6
 265 22.1 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#88

Benzo(b)fluoranthene

Concen: 3.958 ng m

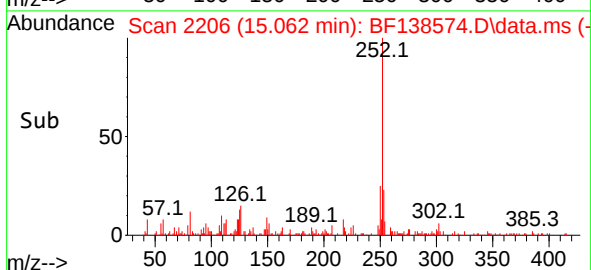
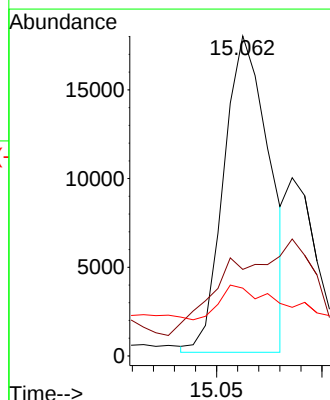
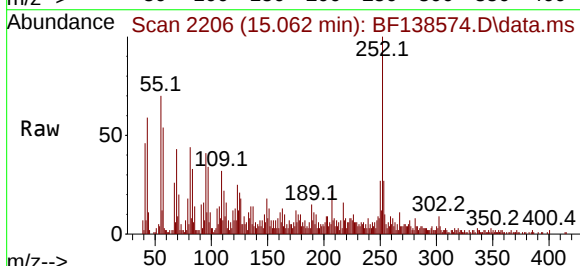
RT: 15.062 min Scan# 2206

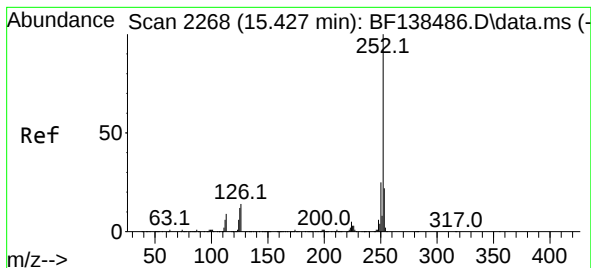
Delta R.T. -0.000 min

Lab File: BF138574.D

Acq: 15 Jul 2024 18:14

Tgt Ion:252 Resp: 26766
 Ion Ratio Lower Upper
 252 100
 253 27.0 17.3 25.9#
 125 21.2 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 3.104 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138574.D

Acq: 15 Jul 2024 18:14

Instrument :

BNA_F

ClientSampleId :

PAT-DIS-01-07112024

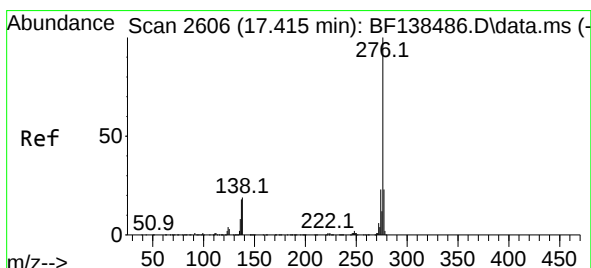
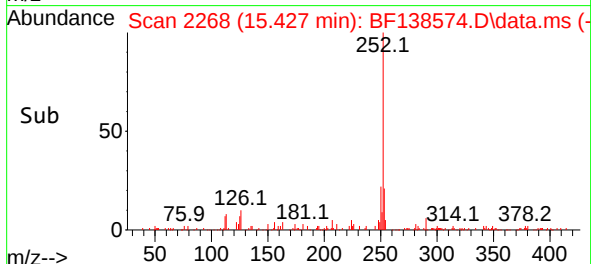
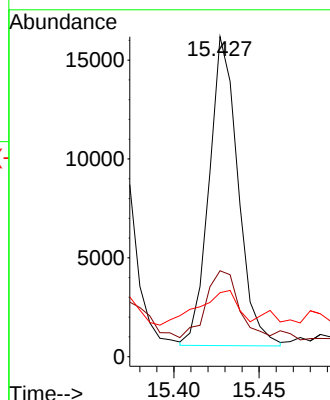
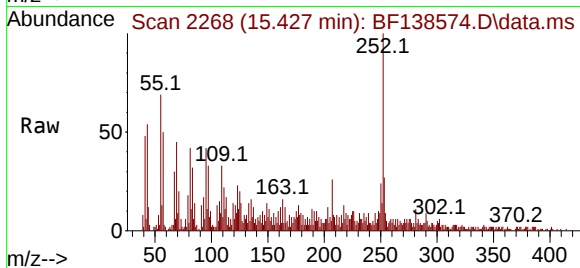
Tgt Ion:	252	Resp:	1844
Ion Ratio	Lower	Upper	
252	100		
253	26.9	17.4	26.0
125	20.0	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#92

Benzo(g,h,i)perylene

Concen: 2.022 ng m

RT: 17.415 min Scan# 2606

Delta R.T. -0.000 min

Lab File: BF138574.D

Acq: 15 Jul 2024 18:14

Tgt Ion:	276	Resp:	14146
Ion Ratio	Lower	Upper	
276	100		
277	28.3	18.0	27.0
138	32.2	15.5	23.3

