

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
 Data File : BF139831.D
 Acq On : 16 Oct 2024 16:09
 Operator : RC/JU
 Sample : P4410-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-101524

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024

Quant Time: Oct 16 16:36:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	80726	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	298825	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	153213	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	261292	20.000	ng	0.00
76) Chrysene-d12	14.015	240	155423	20.000	ng	0.00
86) Perylene-d12	15.480	264	110241	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	113696	23.764	ng	-0.01
7) Phenol-d6	6.481	99	147823	23.232	ng	-0.01
23) Nitrobenzene-d5	7.410	82	92105	15.864	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	30032	23.241	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	185609	18.119	ng	0.00
79) Terphenyl-d14	12.957	244	169507	12.781	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.398	178	28009	2.244	ng	98
75) Fluoranthene	12.586	202	46104	3.915	ng	97
78) Pyrene	12.816	202	66821	4.373	ng	98
81) Benzo(a)anthracene	14.004	228	26453	2.562	ng	# 88
83) Chrysene	14.039	228	22703	2.413	ng	# 91
88) Benzo(b)fluoranthene	15.051	252	19137m	3.026	ng	
90) Benzo(a)pyrene	15.415	252	15292	2.769	ng	# 76

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

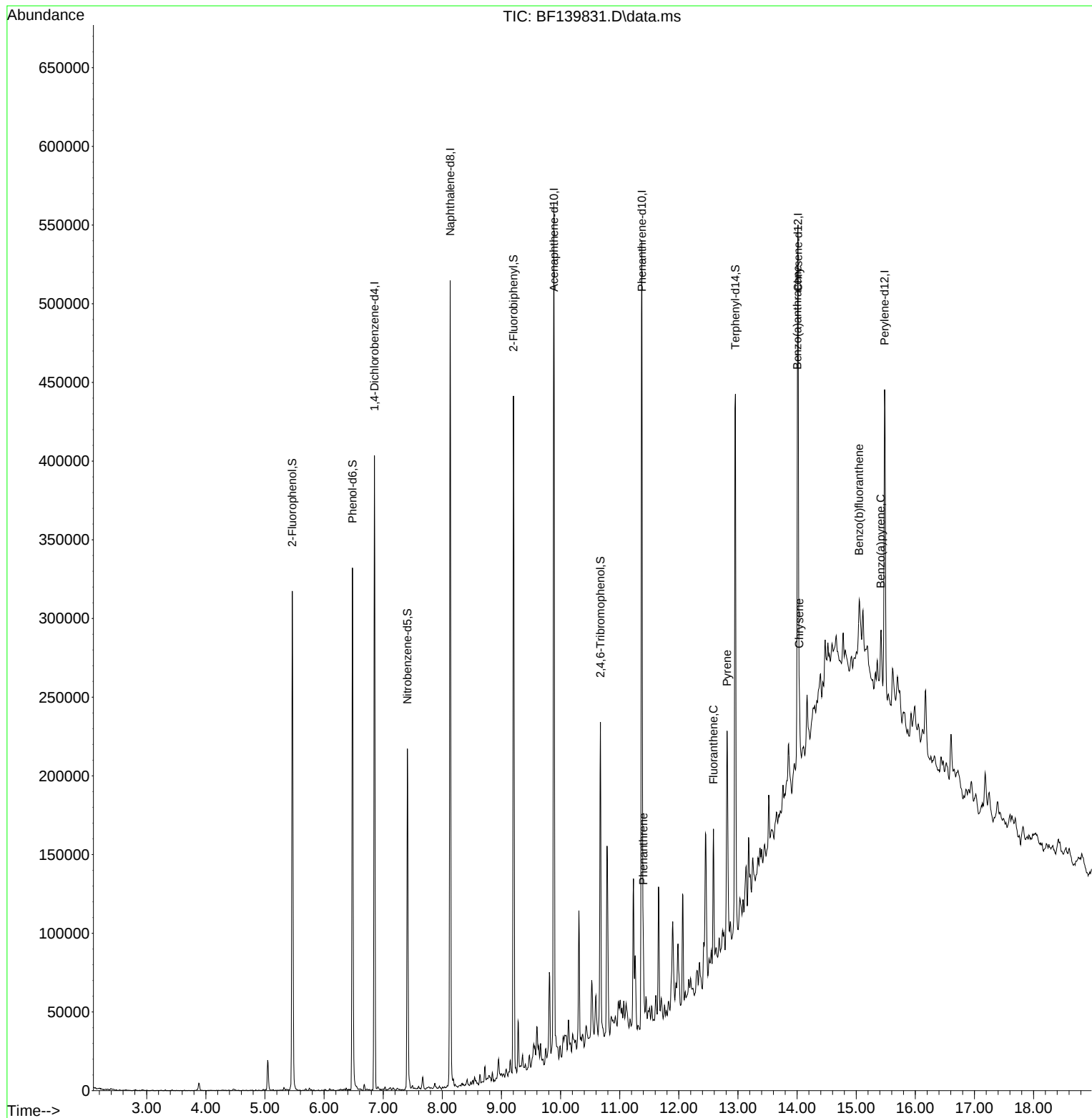
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101624\
Data File : BF139831.D
Acq On : 16 Oct 2024 16:09
Operator : RC/JU
Sample : P4410-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

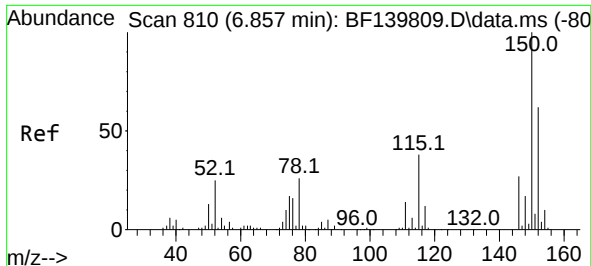
Instrument :
BNA_F
ClientSampleId :
TR-04-101524

Quant Time: Oct 16 16:36:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
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Supervised By :mohammad ahmed 10/17/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

ClientSampleId :

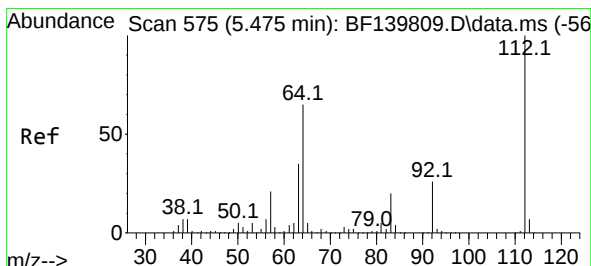
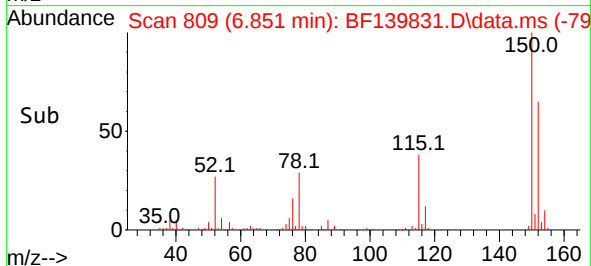
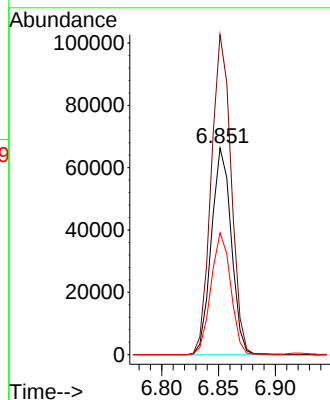
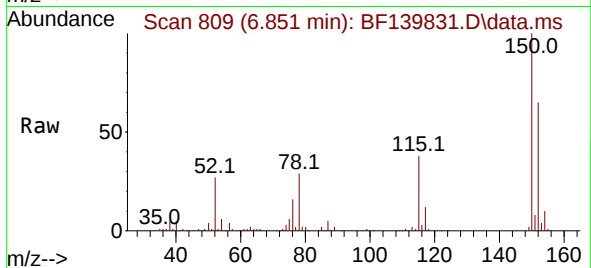
TR-04-101524

Tgt Ion:152 Resp: 80720
Ion Ratio Lower Upper
152 100
150 154.8 128.2 192.2
115 59.0 48.1 72.1

Manual Integrations

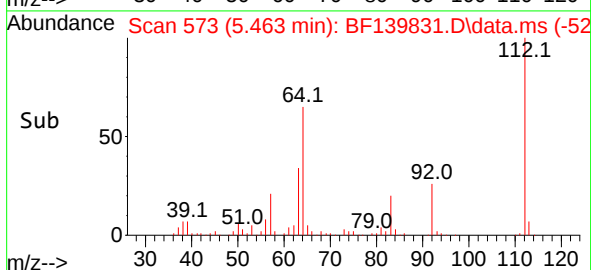
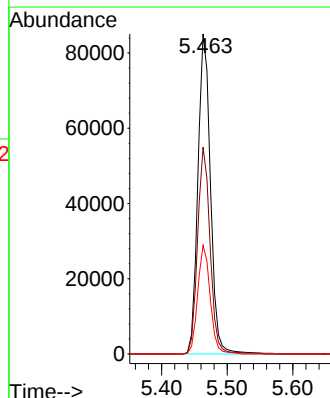
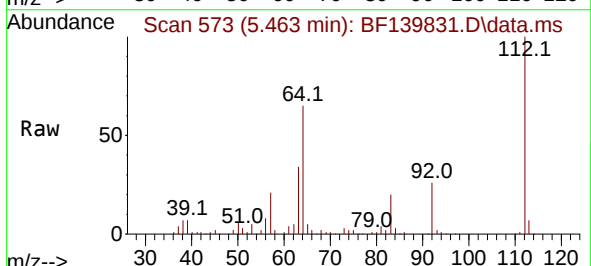
APPROVED

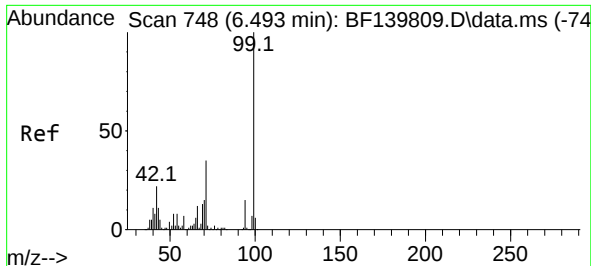
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#5
2-Fluorophenol
Concen: 23.764 ng
RT: 5.463 min Scan# 573
Delta R.T. -0.012 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

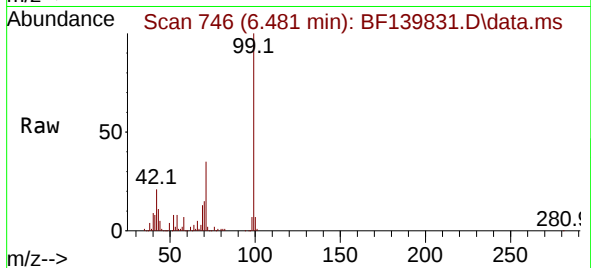
Tgt Ion:112 Resp: 113696
Ion Ratio Lower Upper
112 100
64 64.6 52.1 78.1
63 33.9 27.6 41.4





#7
Phenol-d6
Concen: 23.232 ng
RT: 6.481 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

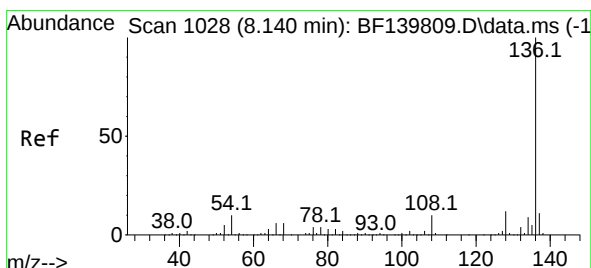
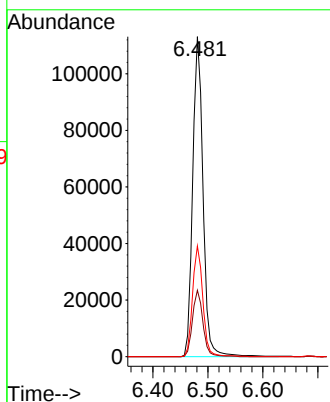
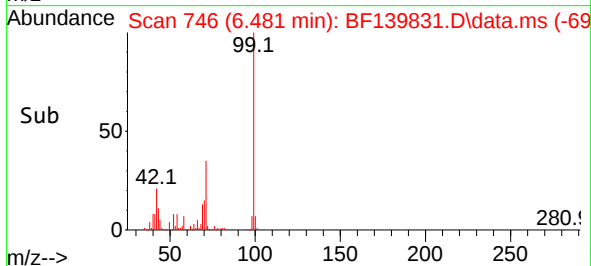
Instrument :
BNA_F
ClientSampleId :
TR-04-101524



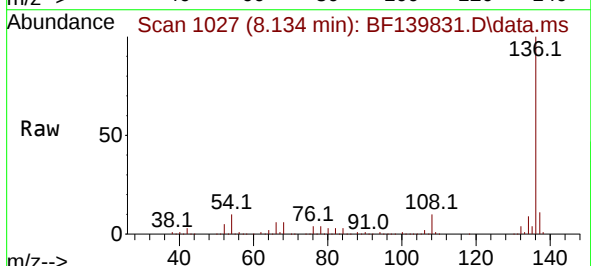
Tgt Ion: 99 Resp: 147825
Ion Ratio Lower Upper
99 100
42 20.8 17.3 25.9
71 34.6 27.8 41.6

Manual Integrations
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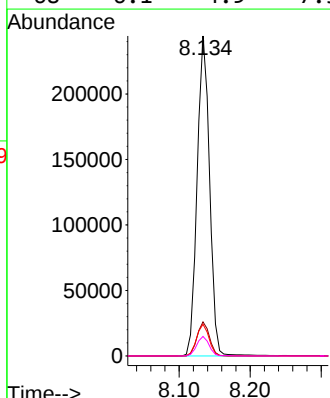
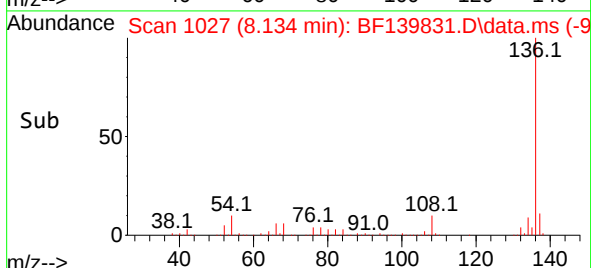
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

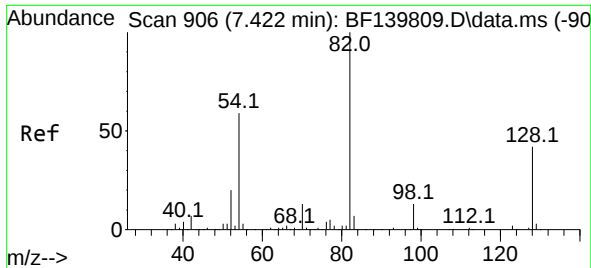


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09



Tgt Ion:136 Resp: 298825
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 9.9 7.7 11.5
68 6.1 4.9 7.3





#23
Nitrobenzene-d5
Concen: 15.864 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

ClientSampleId :

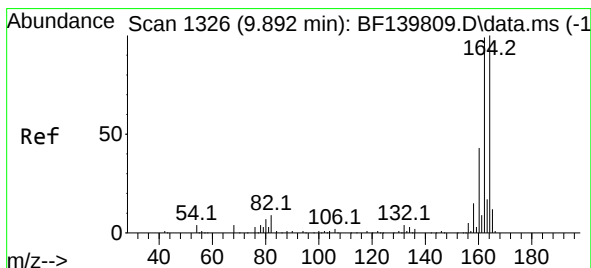
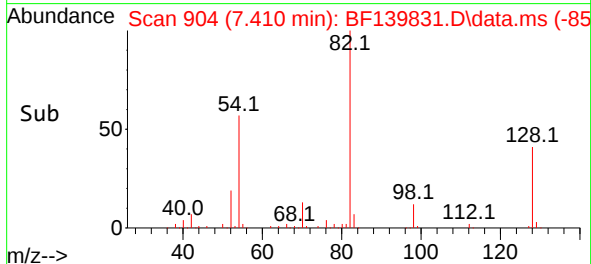
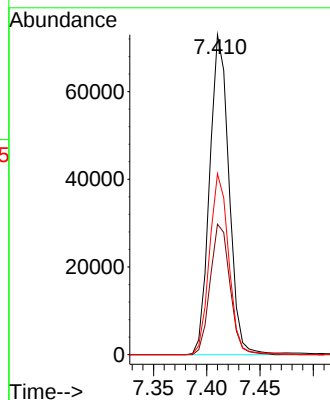
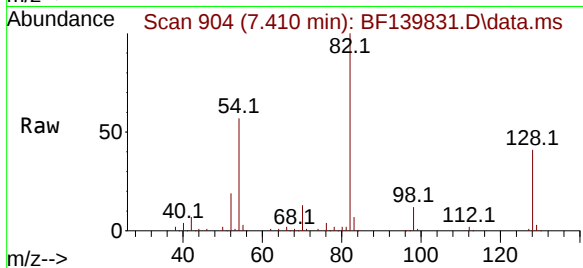
TR-04-101524

Tgt Ion: 82 Resp: 9210
Ion Ratio Lower Upper
82 100
128 40.8 33.9 50.9
54 56.6 46.9 70.3

Manual Integrations

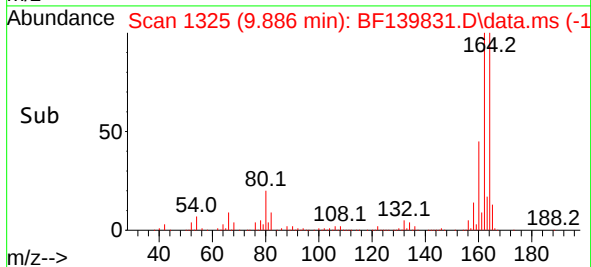
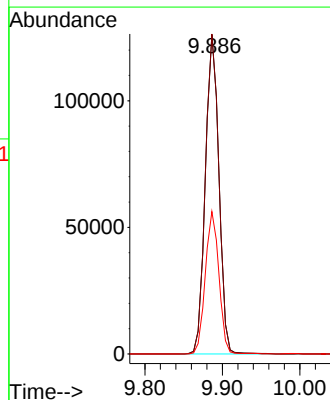
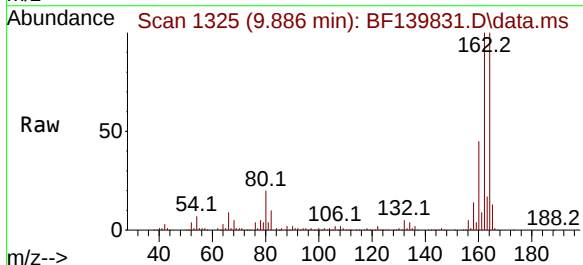
APPROVED

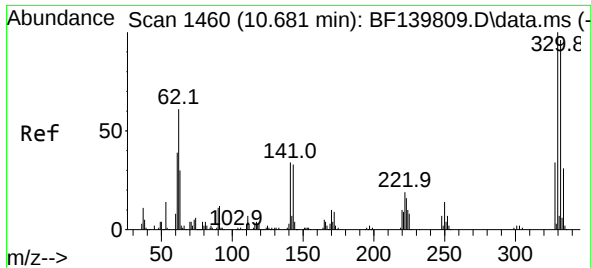
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:164 Resp: 153213
Ion Ratio Lower Upper
164 100
162 100.2 79.1 118.7
160 44.6 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 23.241 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

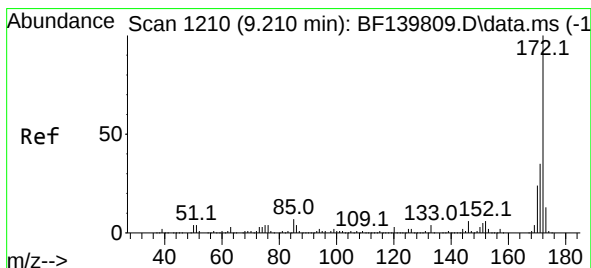
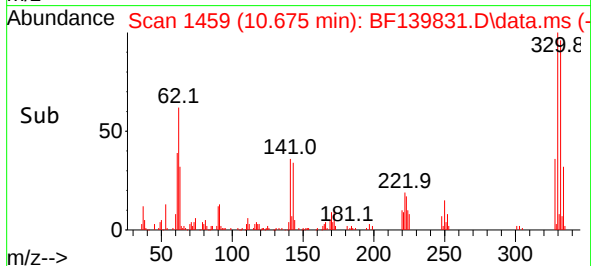
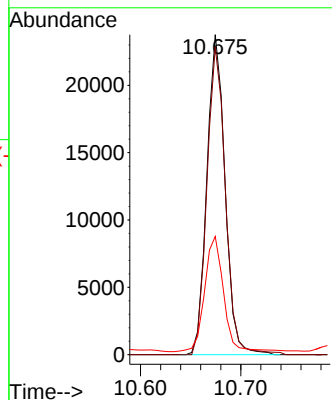
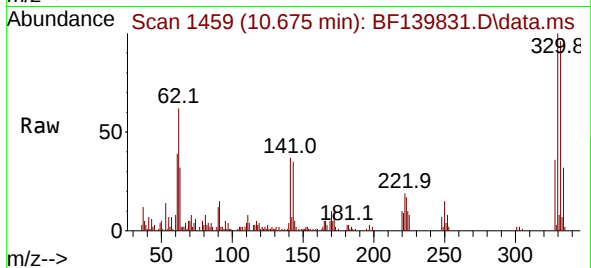
ClientSampleId :

TR-04-101524

Tgt Ion: 330 Resp: 3003
Ion Ratio Lower Upper
330 100
332 97.6 76.6 114.8
141 38.5 27.8 41.6

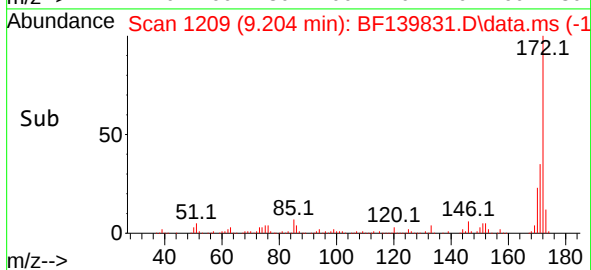
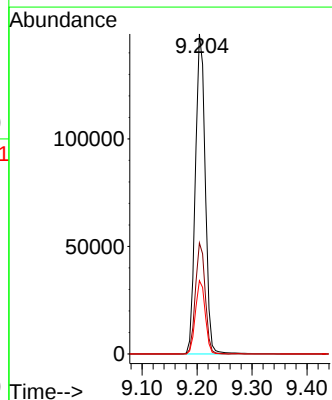
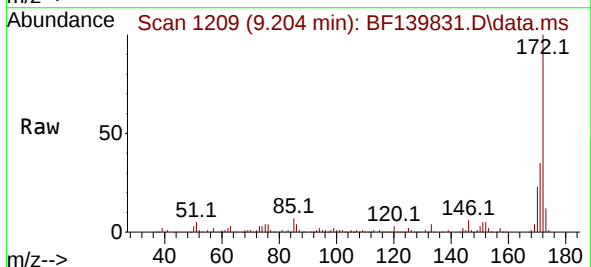
Manual Integrations
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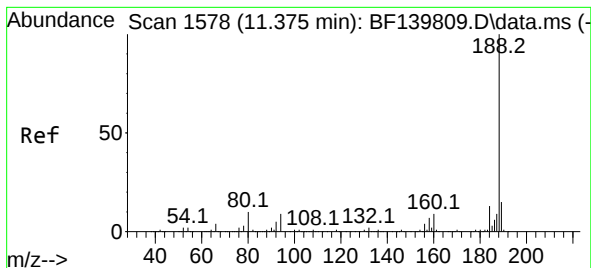
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#45
2-Fluorobiphenyl
Concen: 18.119 ng
RT: 9.204 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion: 172 Resp: 185609
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 22.9 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

ClientSampleId :

TR-04-101524

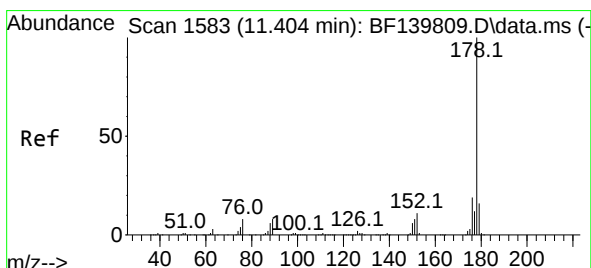
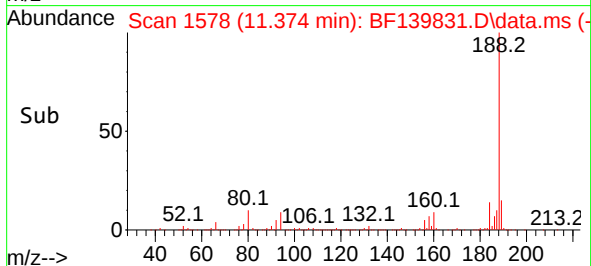
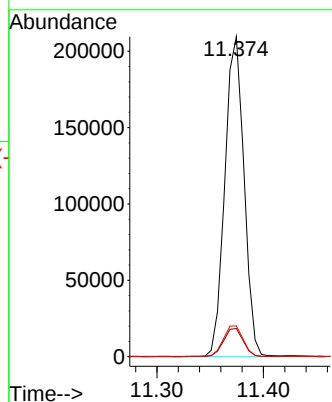
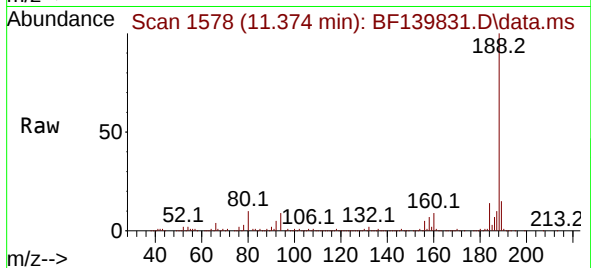
Tgt Ion:188 Resp: 261292
Ion Ratio Lower Upper
188 100
94 8.8 7.3 10.9
80 9.6 7.8 11.8

Manual Integrations

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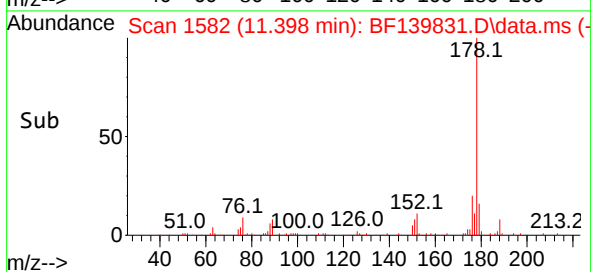
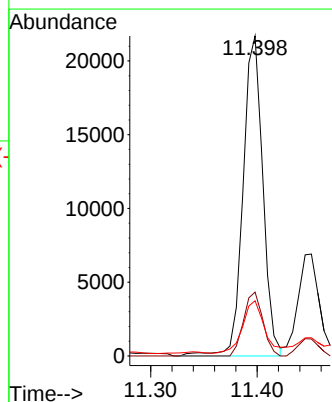
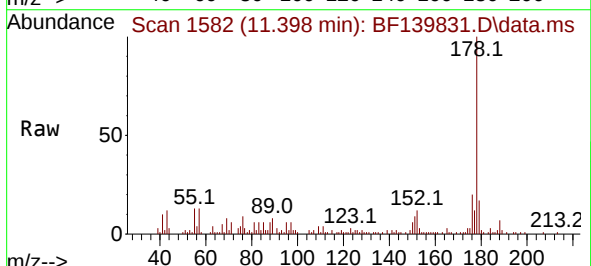
Reviewed By :Yogesh Patel 10/17/2024

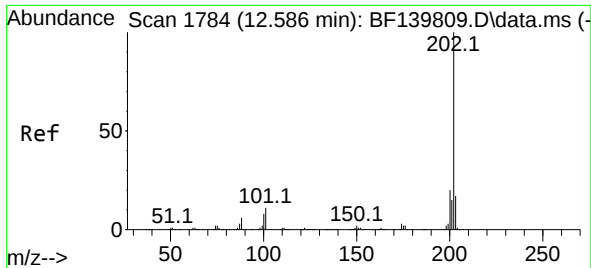
Supervised By :mohammad ahmed 10/17/2024



#71
Phenanthrene
Concen: 2.244 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

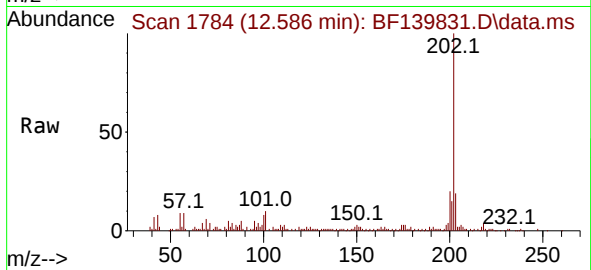
Tgt Ion:178 Resp: 28009
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 17.3 12.5 18.7





#75
Fluoranthene
Concen: 3.915 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

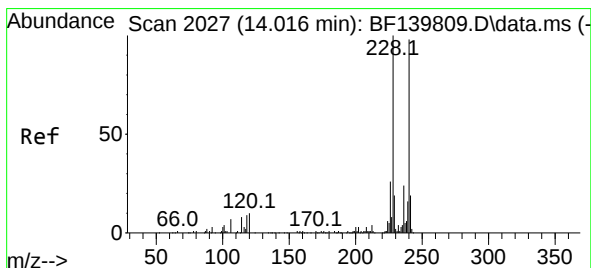
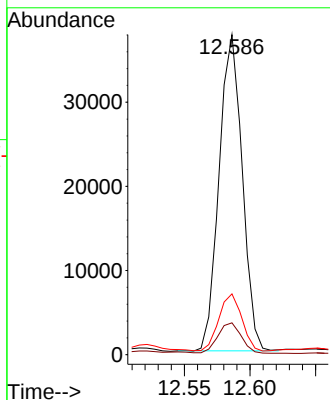
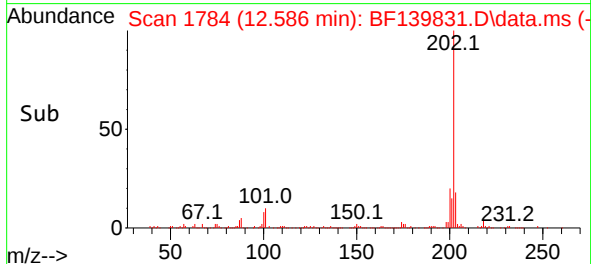
Instrument :
BNA_F
ClientSampleId :
TR-04-101524



Tgt Ion:202 Resp: 46104
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.8
203 19.0 0.0 37.5

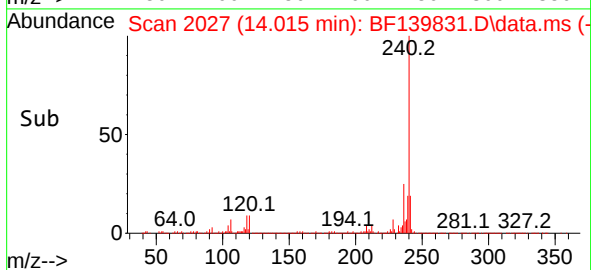
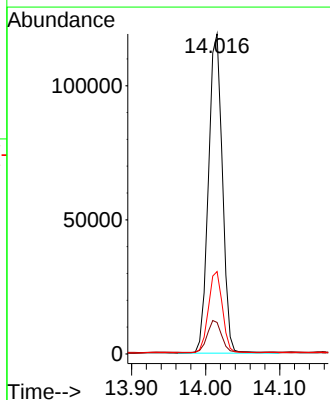
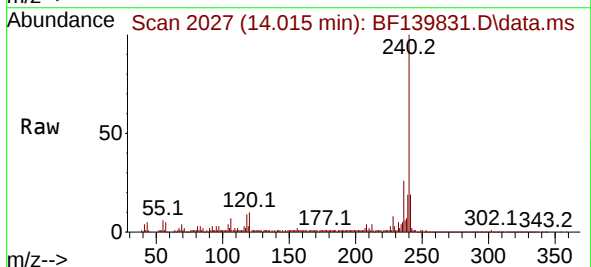
Manual Integrations
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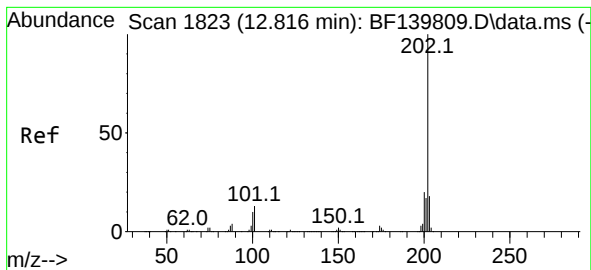
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.001 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:240 Resp: 155423
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 25.8 20.0 30.0





#78

Pyrene

Concen: 4.373 ng

RT: 12.816 min Scan# 1823

Delta R.T. -0.000 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

ClientSampleId :

TR-04-101524

Tgt Ion:202 Resp: 6682

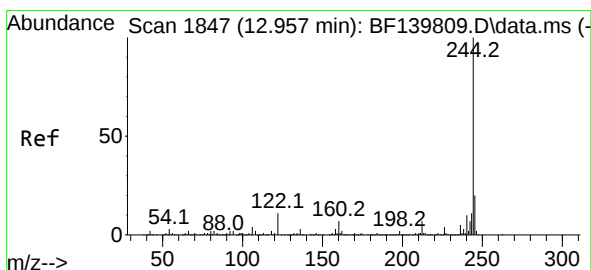
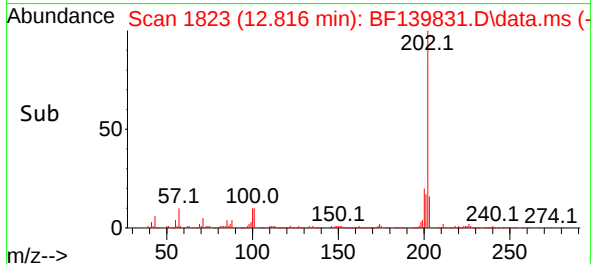
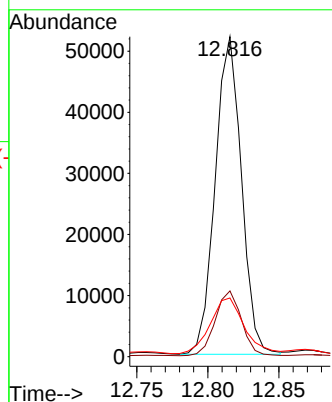
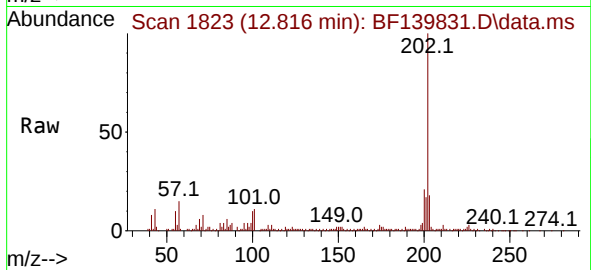
Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.9	23.9
203	18.3	14.0	21.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/17/2024

Supervised By :mohammad ahmed 10/17/2024



#79

Terphenyl-d14

Concen: 12.781 ng

RT: 12.957 min Scan# 1847

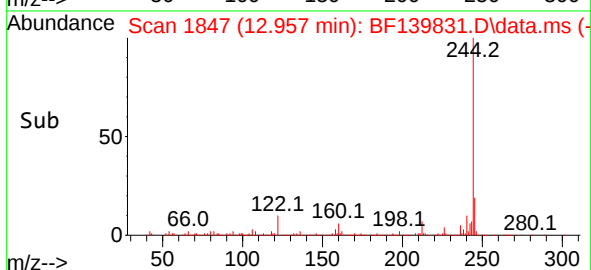
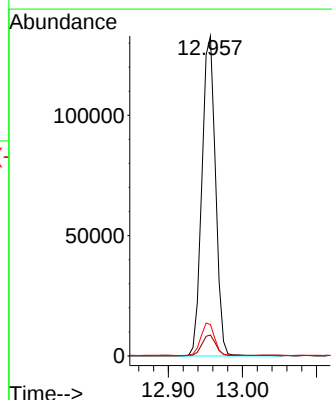
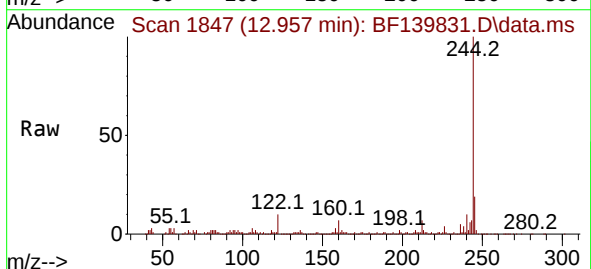
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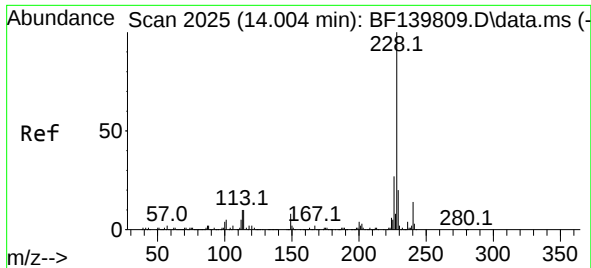
Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

Tgt Ion:244 Resp: 169507

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	9.8	8.9	13.3





#81
Benzo(a)anthracene
Concen: 2.562 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

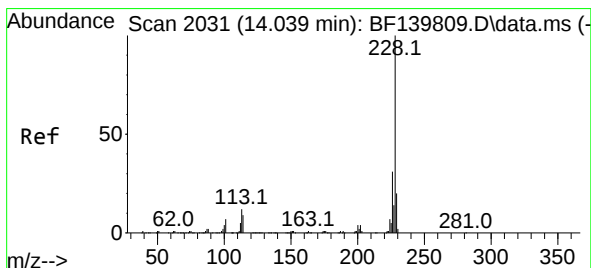
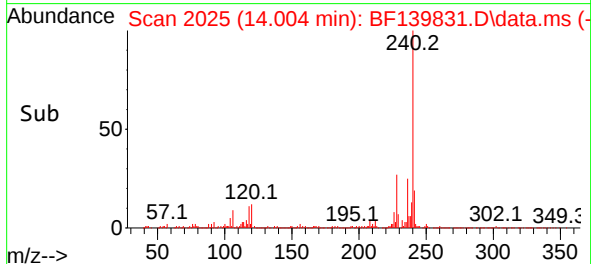
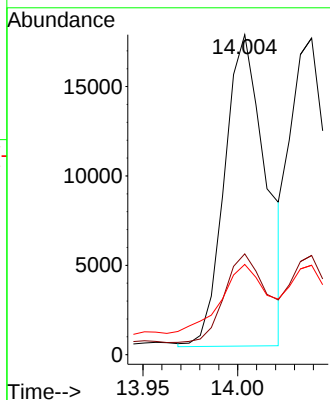
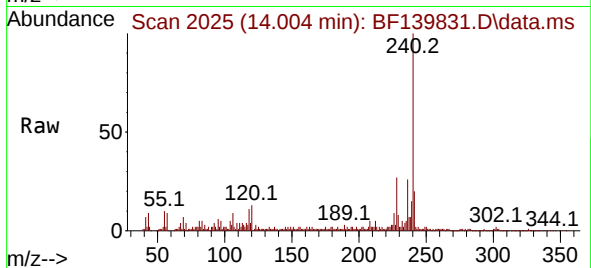
ClientSampleId :

TR-04-101524

Tgt Ion:228 Resp: 2645
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.8
229 28.2 15.8 23.8

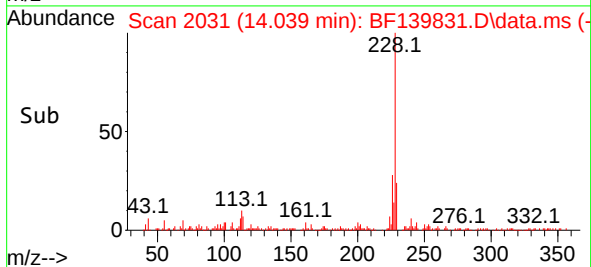
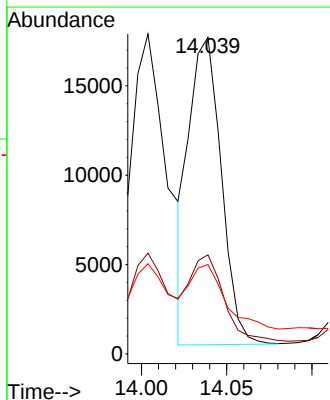
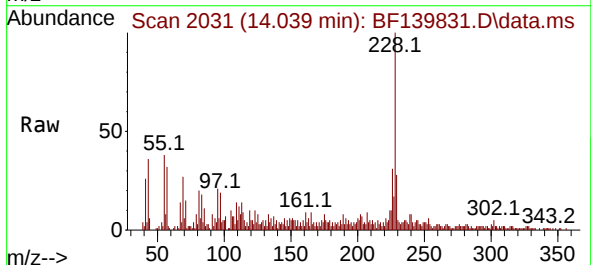
Manual Integrations
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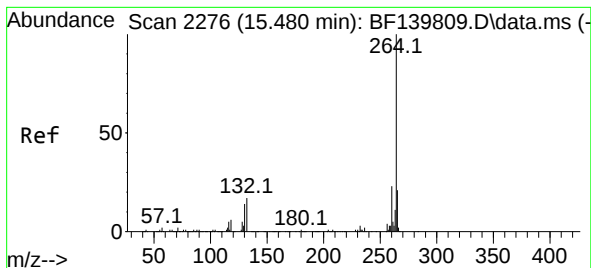
Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024



#83
Chrysene
Concen: 2.413 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Tgt Ion:228 Resp: 22703
Ion Ratio Lower Upper
228 100
226 31.3 24.1 36.1
229 28.3 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

Instrument :

BNA_F

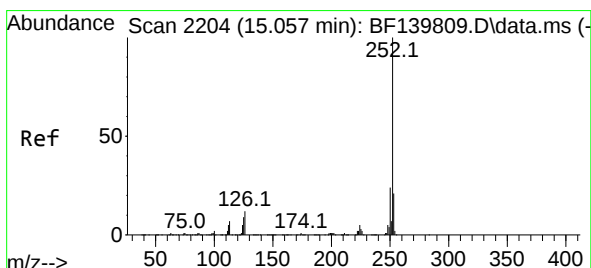
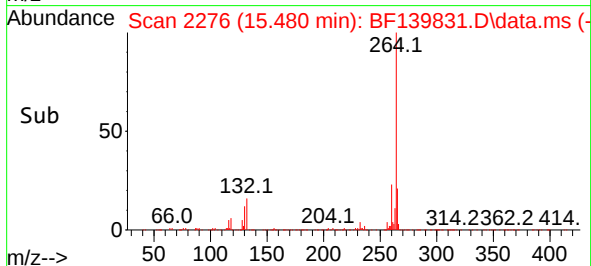
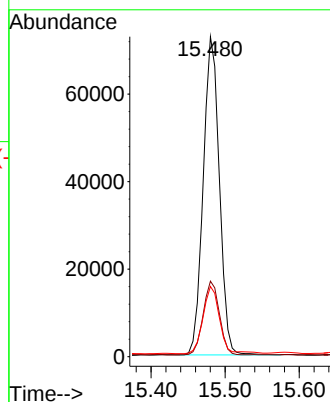
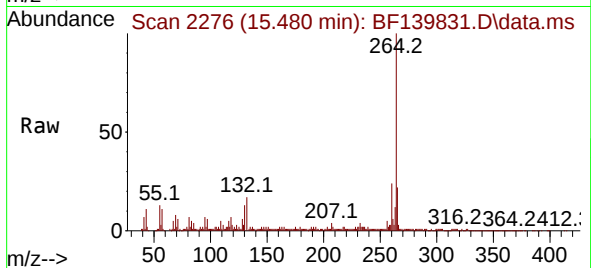
ClientSampleId :

TR-04-101524

Tgt Ion:264 Resp: 11024
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.8 28.2
 265 21.9 17.2 25.8

Manual Integrations
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Reviewed By :Yogesh Patel 10/17/2024
 Supervised By :mohammad ahmed 10/17/2024



#88

Benzo(b)fluoranthene

Concen: 3.026 ng m

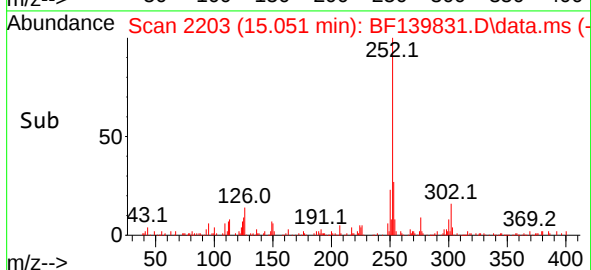
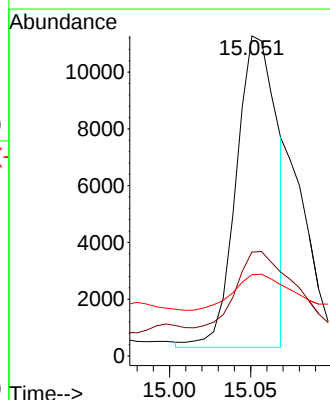
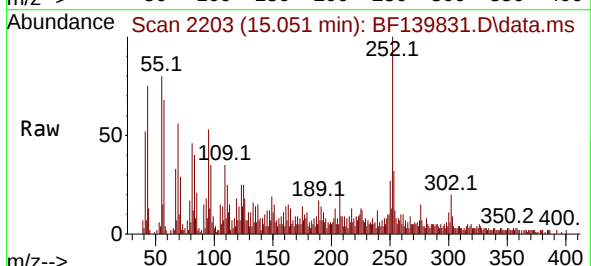
RT: 15.051 min Scan# 2203

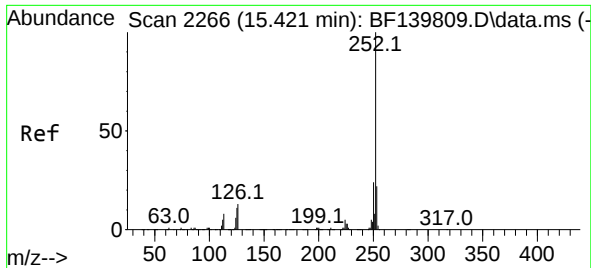
Delta R.T. -0.006 min

Lab File: BF139831.D

Acq: 16 Oct 2024 16:09

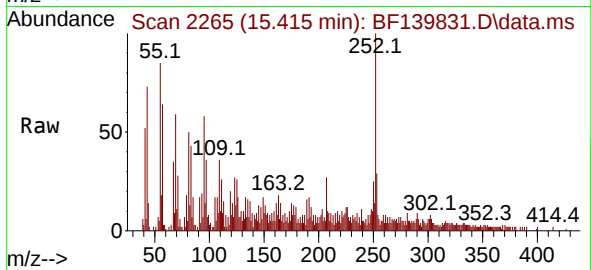
Tgt Ion:252 Resp: 19137
 Ion Ratio Lower Upper
 252 100
 253 32.5 17.1 25.7#
 125 25.4 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.769 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139831.D
Acq: 16 Oct 2024 16:09

Instrument :
BNA_F
ClientSampleId :
TR-04-101524



Tgt Ion:252 Resp: 15292
Ion Ratio Lower Upper
252 100
253 28.9 17.4 26.0
125 26.4 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/17/2024
Supervised By :mohammad ahmed 10/17/2024

