

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141013.D
 Acq On : 27 Dec 2024 22:36
 Operator : RC/JU
 Sample : P5383-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-12232024

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 23:22:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	255269	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	958451	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	430506	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	611838	20.000	ng	0.00
76) Chrysene-d12	13.980	240	451431	20.000	ng	0.00
86) Perylene-d12	15.433	264	351430	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1505838	88.921	ng	0.00
7) Phenol-d6	6.439	99	1865395	85.508	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1134789	75.749	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	353527	84.510	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	1832788	67.829	ng	0.00
79) Terphenyl-d14	12.927	244	1536334	56.528	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	99814	3.100	ng	98
75) Fluoranthene	12.551	202	162118	4.642	ng	99
78) Pyrene	12.780	202	176159	4.462	ng	99
81) Benzo(a)anthracene	13.968	228	76246	2.423	ng	# 89
83) Chrysene	14.004	228	63749	2.248	ng	# 95
88) Benzo(b)fluoranthene	15.009	252	66757m	2.724	ng	
90) Benzo(a)pyrene	15.368	252	50811	2.671	ng	# 88

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

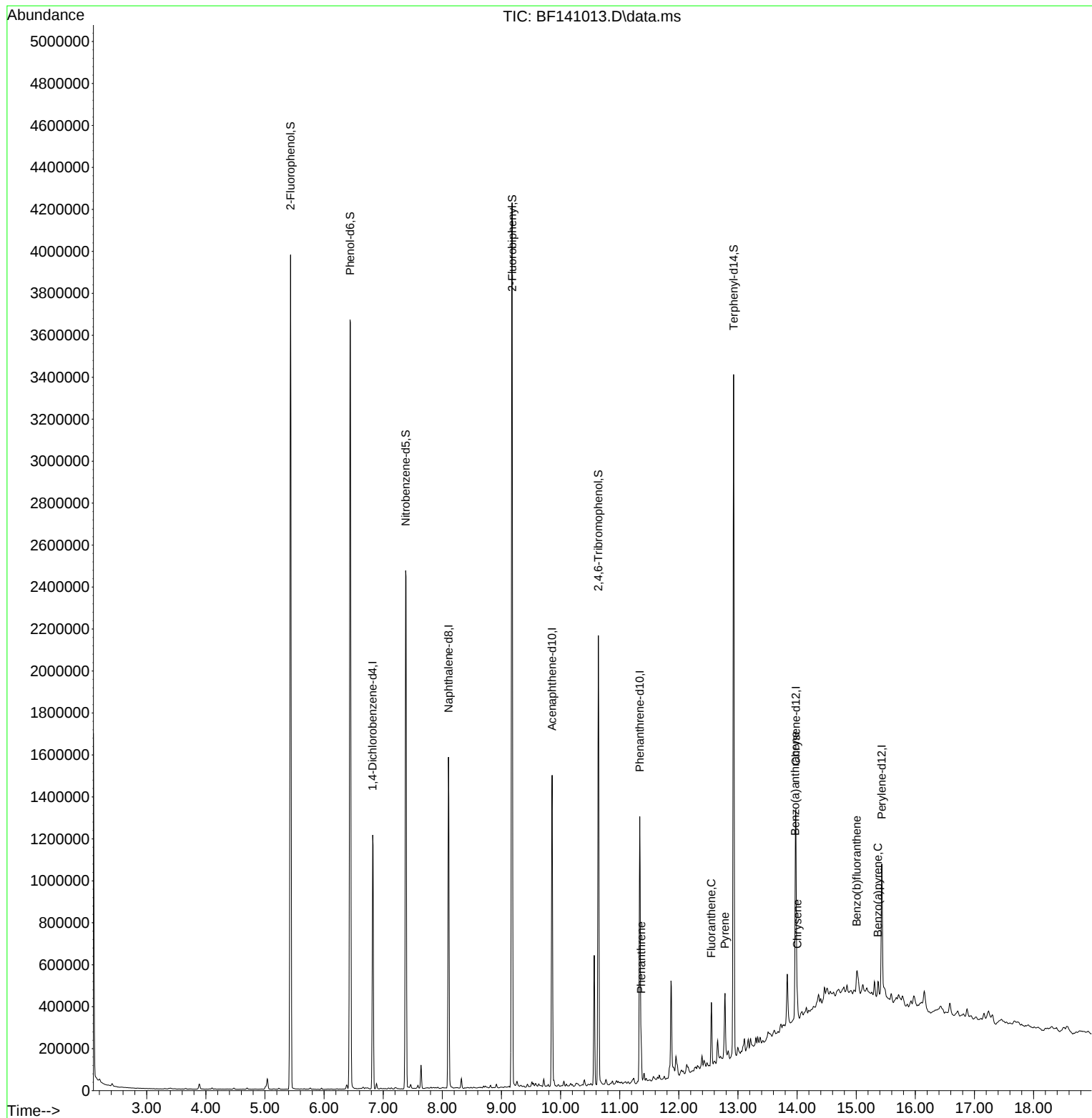
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141013.D
Acq On : 27 Dec 2024 22:36
Operator : RC/JU
Sample : P5383-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

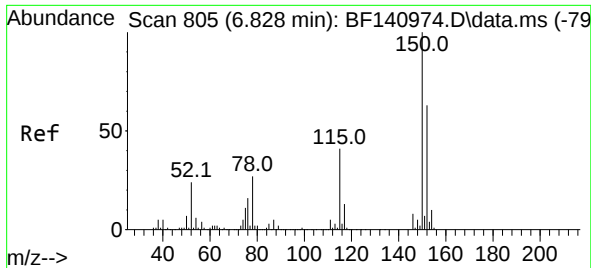
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024

Quant Time: Dec 27 23:22:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
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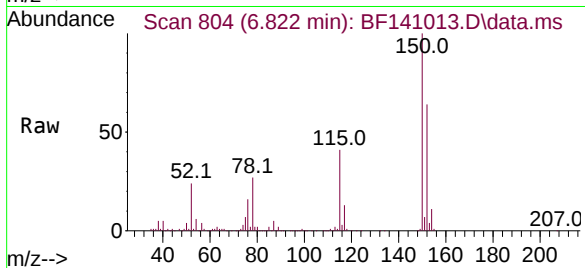
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024



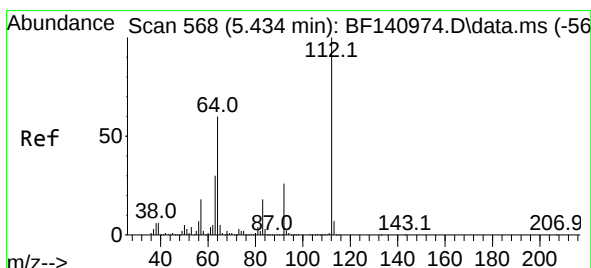
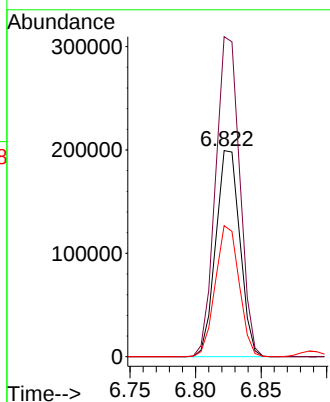
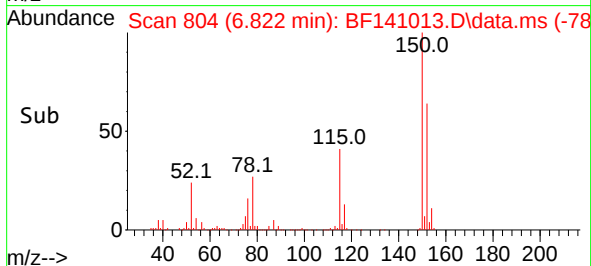
Tgt Ion:152 Resp: 255269
Ion Ratio Lower Upper
152 100
150 155.3 127.0 190.6
115 63.6 51.7 77.5

Manual Integrations

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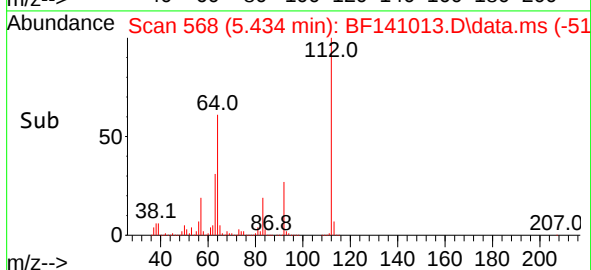
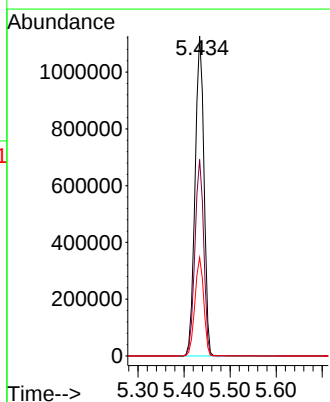
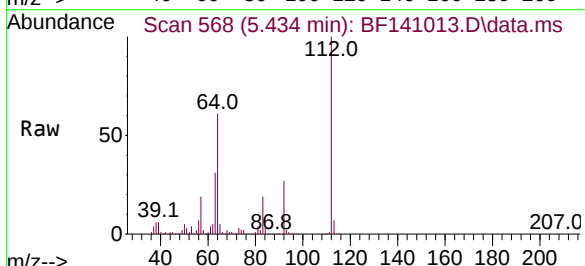
Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#5
2-Fluorophenol
Concen: 88.921 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

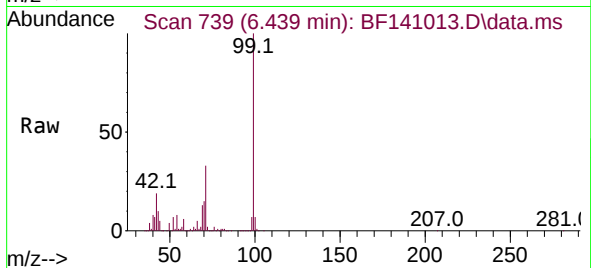
Tgt Ion:112 Resp: 1505838
Ion Ratio Lower Upper
112 100
64 61.4 47.7 71.5
63 30.7 24.2 36.2





#7
Phenol-d6
Concen: 85.508 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

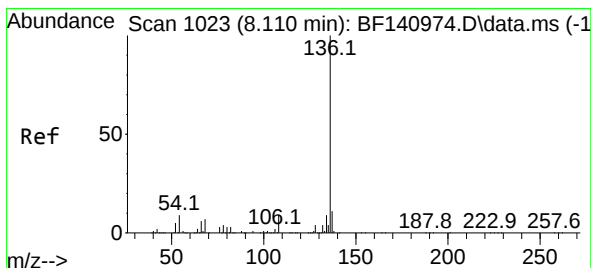
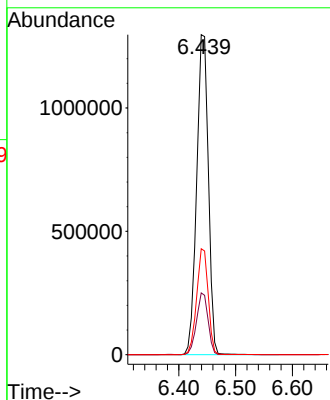
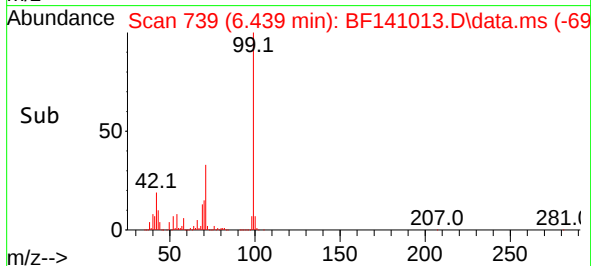
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024



Tgt Ion: 99 Resp: 186539
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 33.1 26.2 39.2

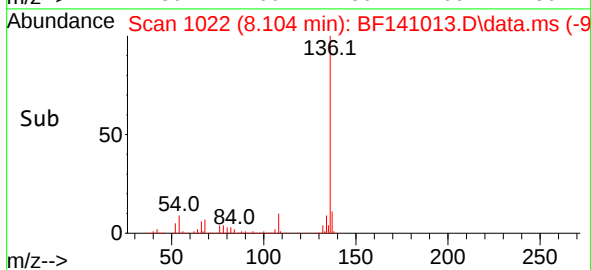
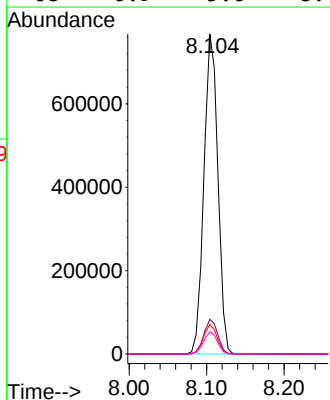
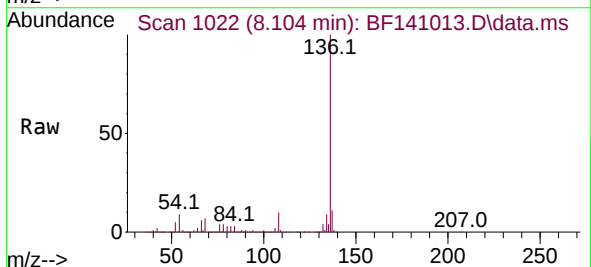
Manual Integrations
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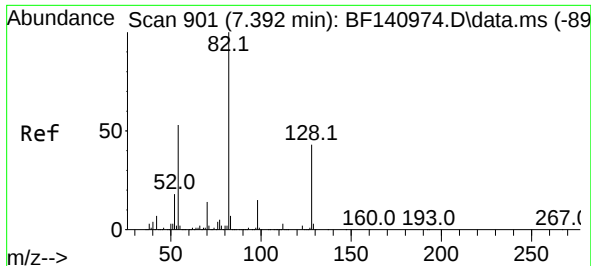
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:136 Resp: 958451
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 9.2 7.6 11.4
68 6.9 5.6 8.4





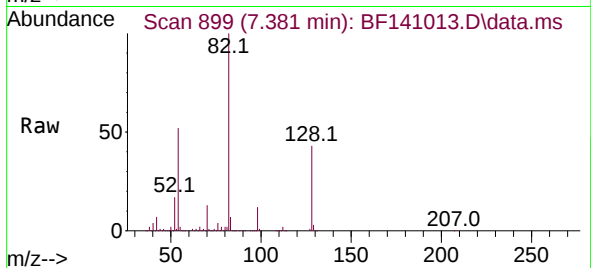
#23
Nitrobenzene-d5
Concen: 75.749 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

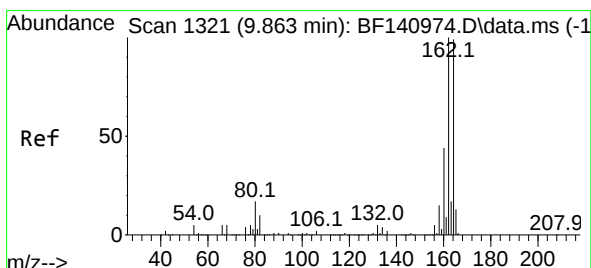
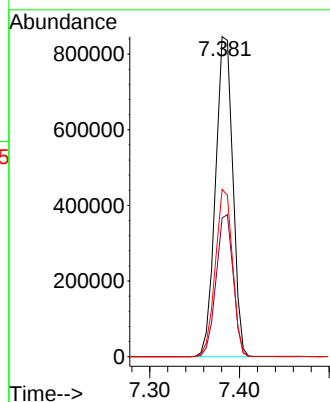
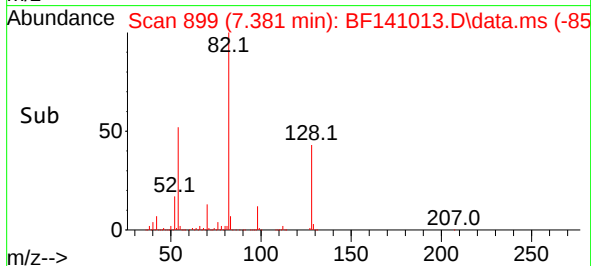
OK-02-12232024



Tgt Ion: 82 Resp: 1134789
Ion Ratio Lower Upper
82 100
128 43.3 34.4 51.6
54 52.2 42.4 63.6

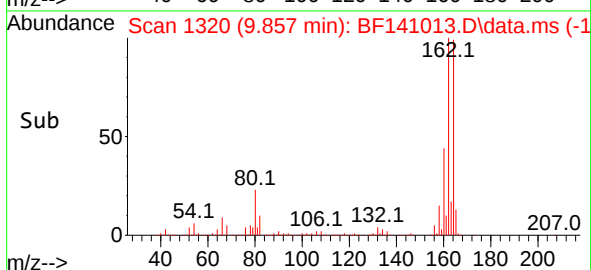
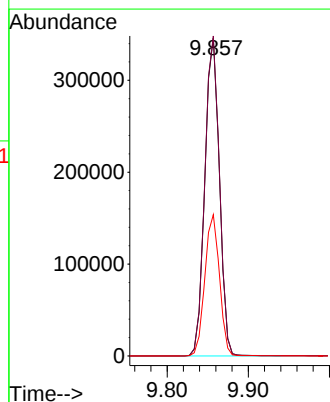
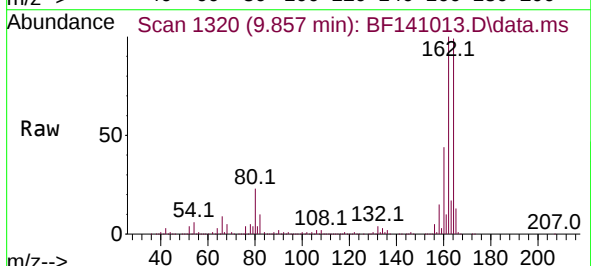
Manual Integrations
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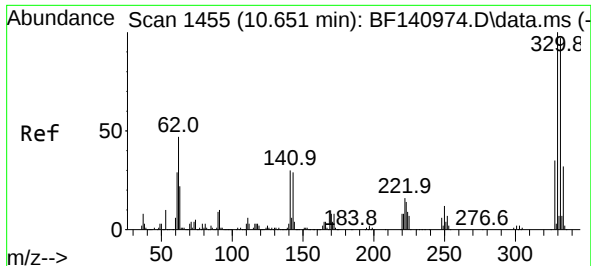
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:164 Resp: 430506
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.5 35.7 53.5





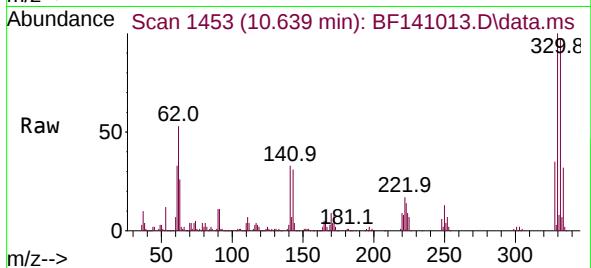
#42
2,4,6-Tribromophenol
Concen: 84.510 ng
RT: 10.639 min Scan# 1455
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024



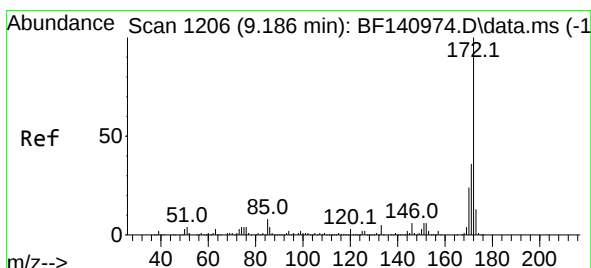
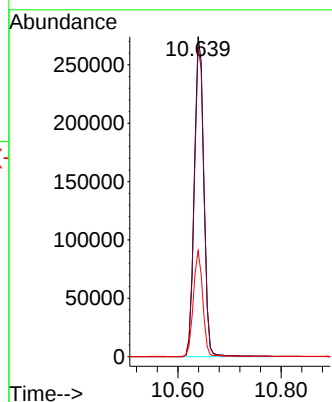
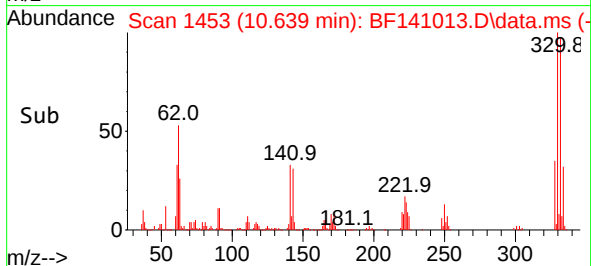
Tgt Ion:330 Resp: 353527
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 32.2 26.4 39.6

Manual Integrations

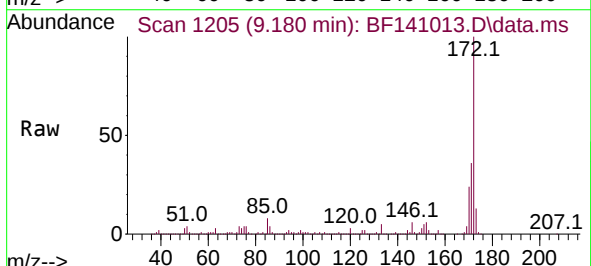
APPROVED

Reviewed By :Yogesh Patel 12/30/2024

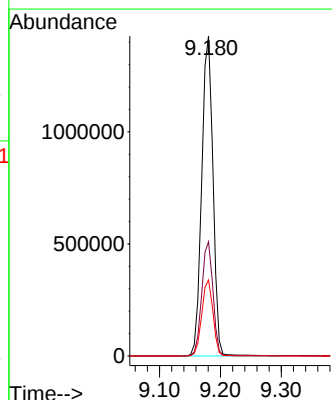
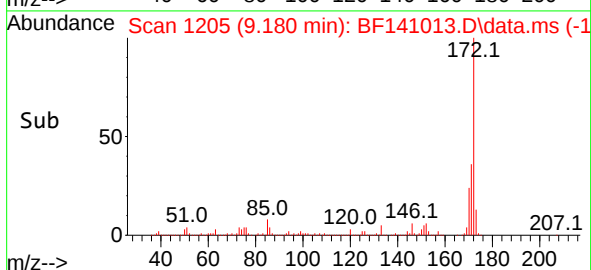
Supervised By :mohammad ahmed 12/30/2024

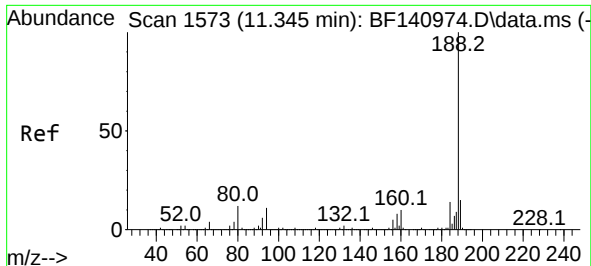


#45
2-Fluorobiphenyl
Concen: 67.829 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36



Tgt Ion:172 Resp: 1832788
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.8 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

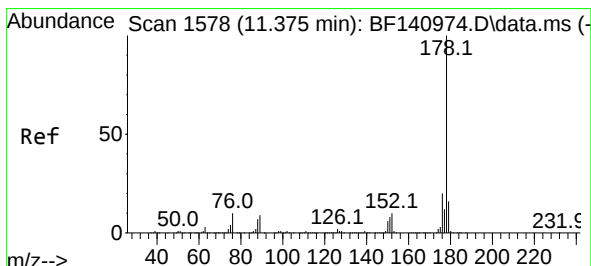
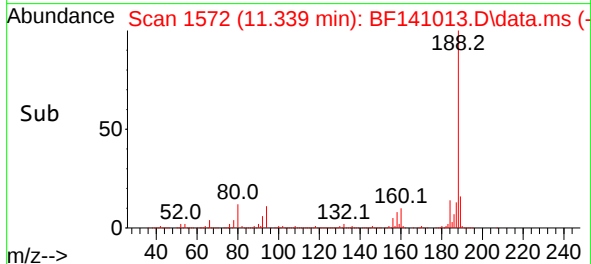
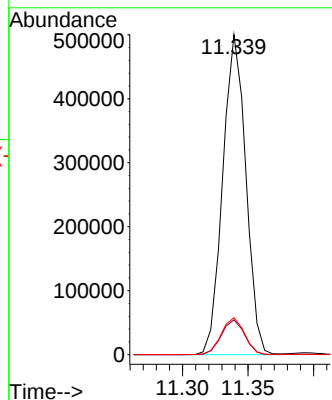
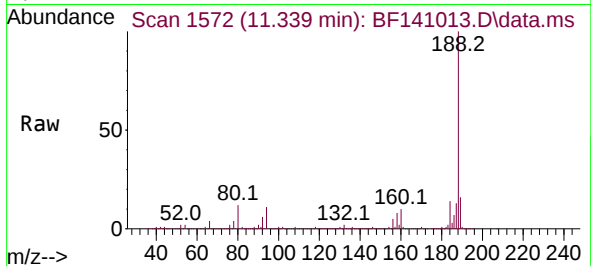
ClientSampleId :

OK-02-12232024

Tgt Ion:188 Resp: 611838
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 11.6 9.8 14.6

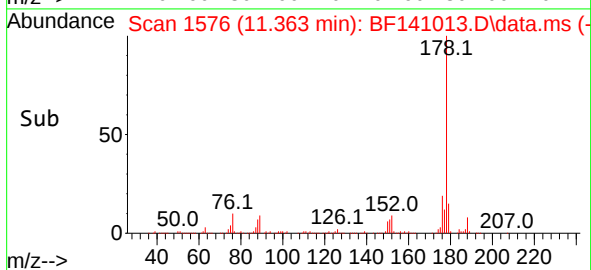
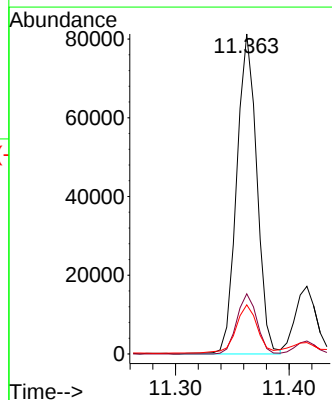
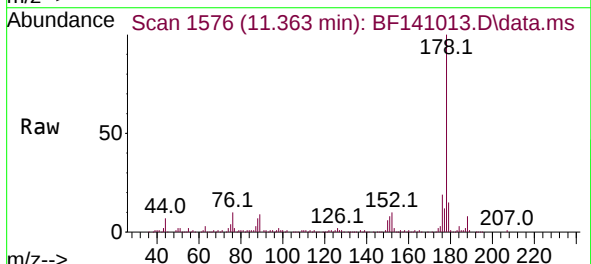
Manual Integrations
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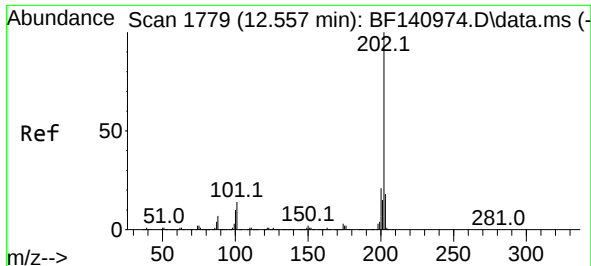
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#71
Phenanthrene
Concen: 3.100 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

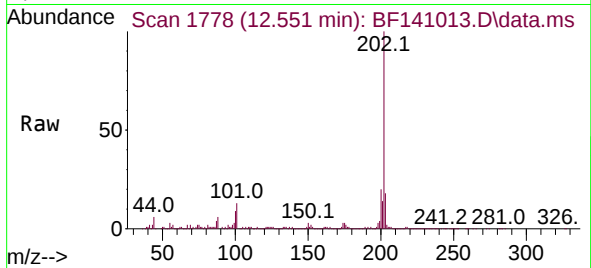
Tgt Ion:178 Resp: 99814
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.4 12.6 19.0





#75
Fluoranthene
Concen: 4.642 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

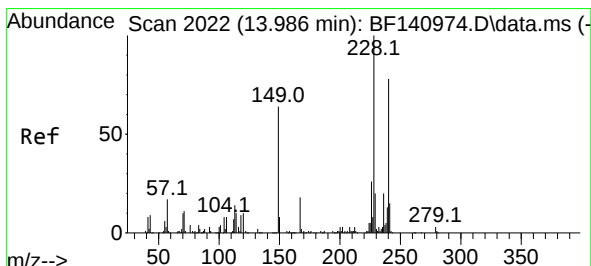
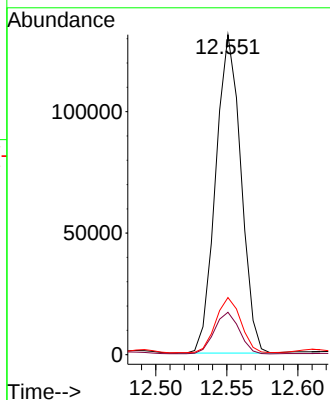
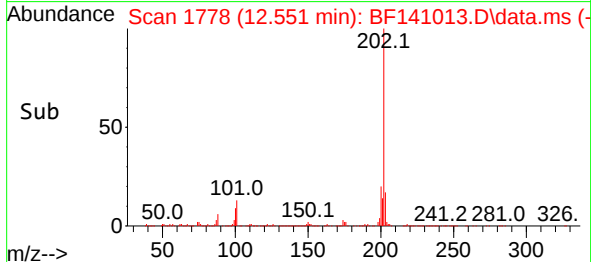
Instrument :
BNA_F
ClientSampleId :
OK-02-12232024



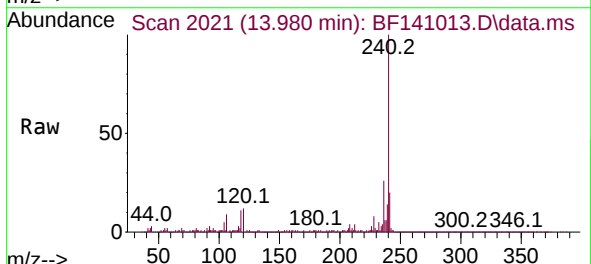
Tgt Ion:202 Resp: 162118
Ion Ratio Lower Upper
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101 13.3 0.0 33.7
203 17.9 0.0 38.1

Manual Integrations
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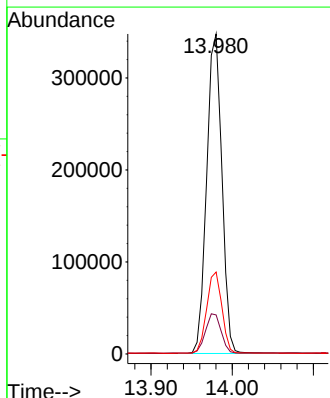
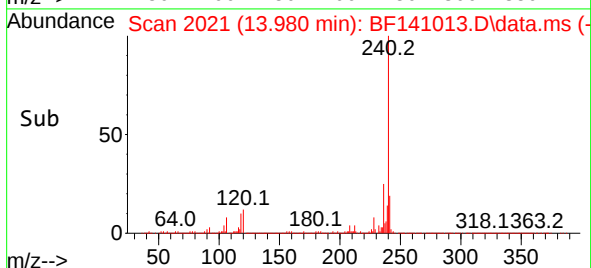
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

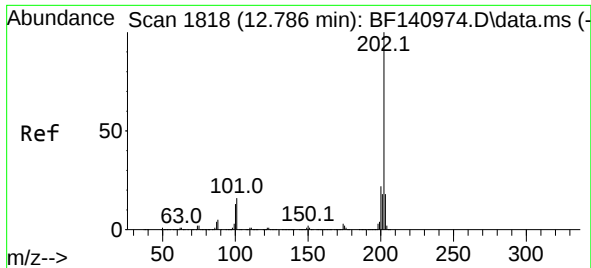


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36



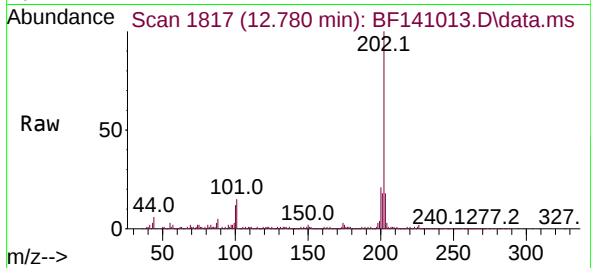
Tgt Ion:240 Resp: 451431
Ion Ratio Lower Upper
240 100
120 12.2 10.7 16.1
236 25.6 20.6 31.0





#78
 Pyrene
 Concen: 4.462 ng
 RT: 12.780 min Scan# 1818
 Delta R.T. -0.006 min
 Lab File: BF141013.D
 Acq: 27 Dec 2024 22:36

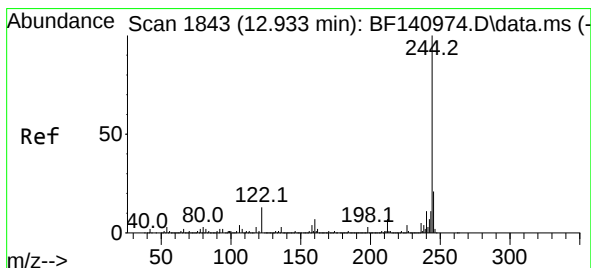
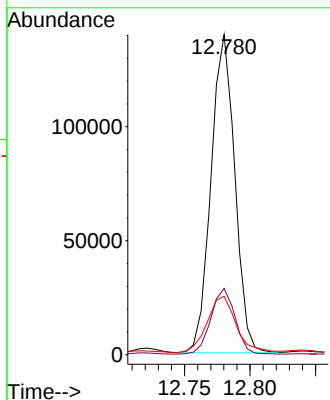
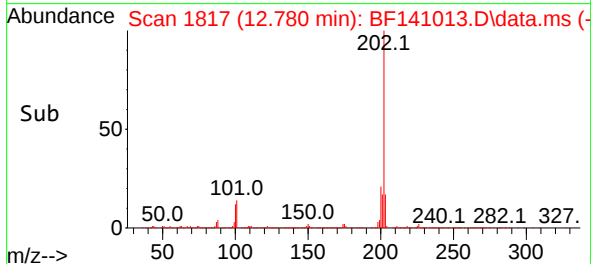
Instrument :
 BNA_F
 ClientSampleId :
 OK-02-12232024



Tgt Ion:202 Resp: 176159
 Ion Ratio Lower Upper
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 200 20.7 17.3 25.9
 203 18.2 14.6 21.8

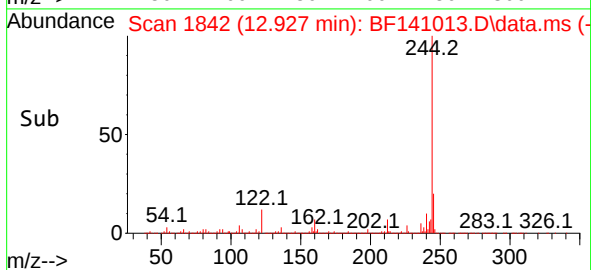
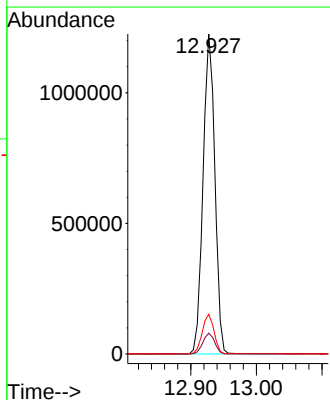
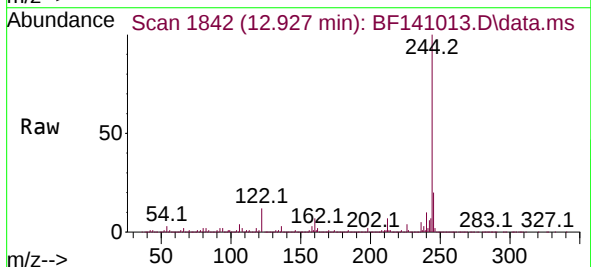
Manual Integrations
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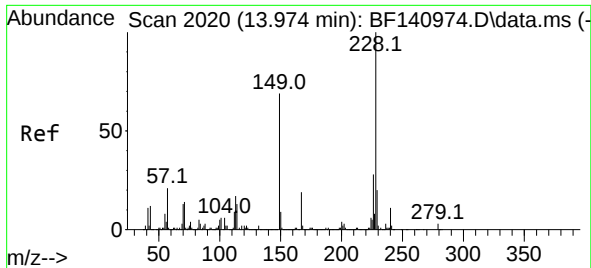
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024



#79
 Terphenyl-d14
 Concen: 56.528 ng
 RT: 12.927 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF141013.D
 Acq: 27 Dec 2024 22:36

Tgt Ion:244 Resp: 1536334
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 12.4 10.2 15.2





#81
Benzo(a)anthracene
Concen: 2.423 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

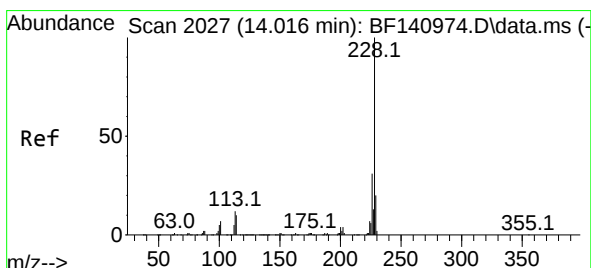
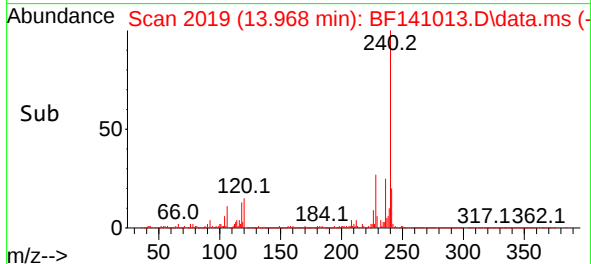
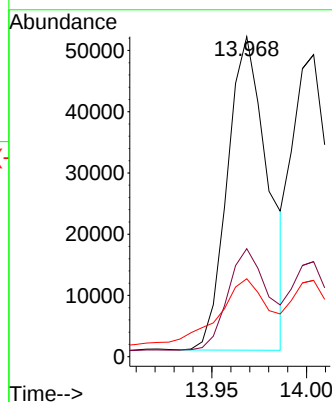
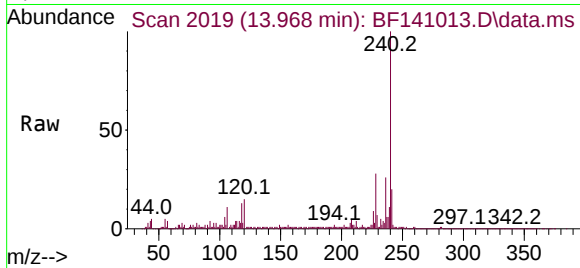
Tgt Ion:228 Resp: 76240
Ion Ratio Lower Upper
228 100
226 33.7 22.1 33.1
229 24.4 16.2 24.2

Manual Integrations

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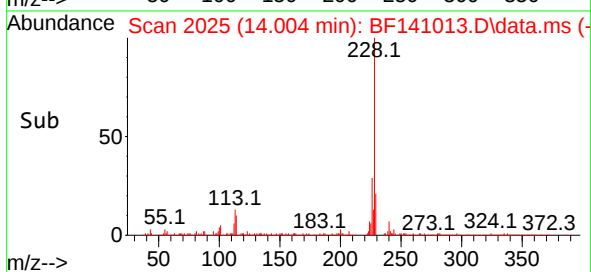
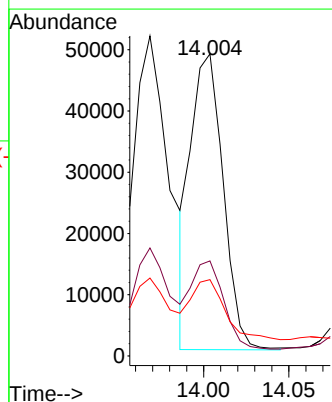
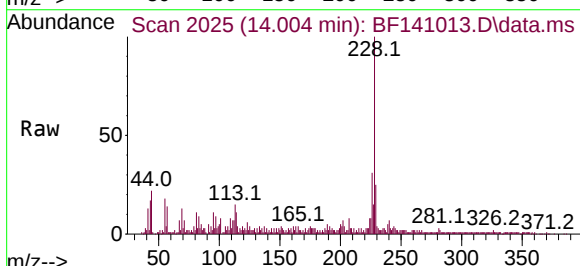
Reviewed By :Yogesh Patel 12/30/2024

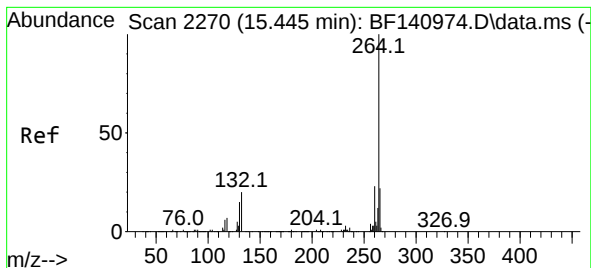
Supervised By :mohammad ahmed 12/30/2024



#83
Chrysene
Concen: 2.248 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Tgt Ion:228 Resp: 63749
Ion Ratio Lower Upper
228 100
226 31.5 24.5 36.7
229 25.3 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

Instrument :

BNA_F

ClientSampleId :

OK-02-12232024

Tgt Ion:264 Resp: 351430

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

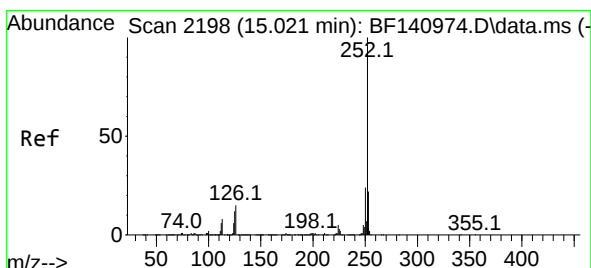
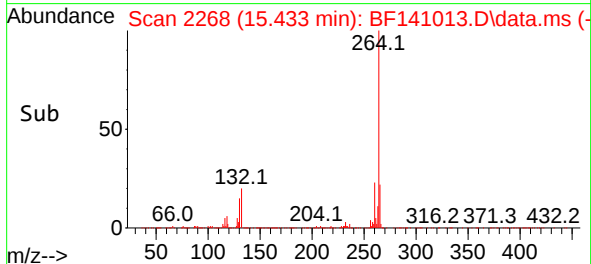
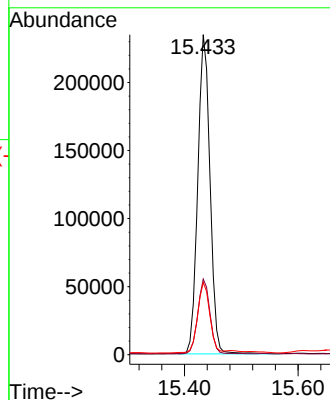
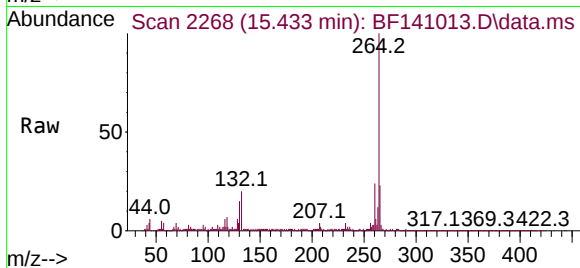
265 22.6 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#88

Benzo(b)fluoranthene

Concen: 2.724 ng m

RT: 15.009 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141013.D

Acq: 27 Dec 2024 22:36

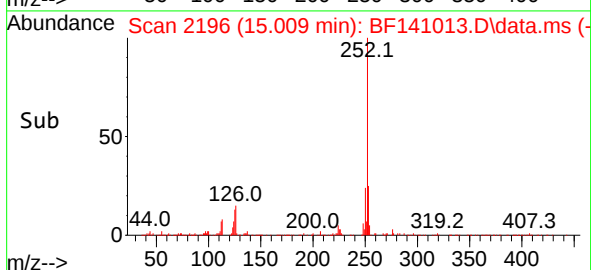
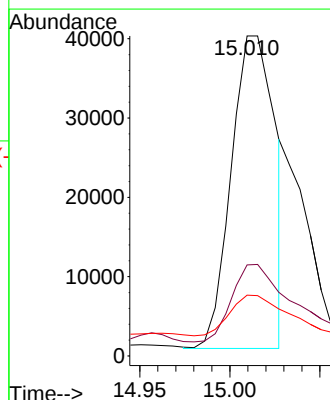
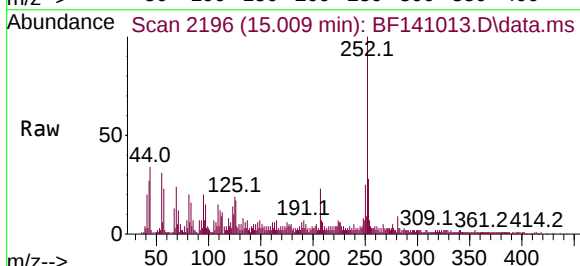
Tgt Ion:252 Resp: 66757

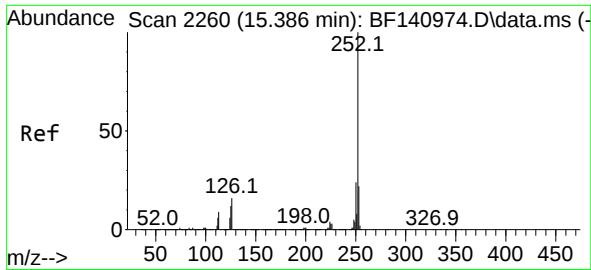
Ion Ratio Lower Upper

252 100

253 28.4 17.7 26.5#

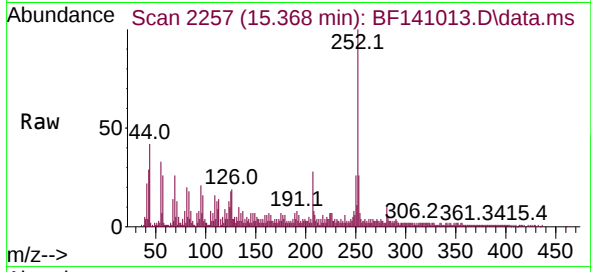
125 19.0 9.3 13.9#





#90
Benzo(a)pyrene
Concen: 2.671 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141013.D
Acq: 27 Dec 2024 22:36

Instrument :
BNA_F
ClientSampleId :
OK-02-12232024



Tgt Ion:252 Resp: 5081
Ion Ratio Lower Upper
252 100
253 26.2 17.2 25.8
125 18.4 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

