

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141007.D
 Acq On : 27 Dec 2024 19:58
 Operator : RC/JU
 Sample : P5382-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

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

Quant Time: Dec 27 22:21:20 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	251588	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	996554	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	526548	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	804705	20.000	ng	0.00
76) Chrysene-d12	13.974	240	502976	20.000	ng	-0.01
86) Perylene-d12	15.433	264	505972	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1627005	97.481	ng	0.00
7) Phenol-d6	6.439	99	2086451	97.040	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1297392	83.291	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	518546	101.348	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	2275994	68.867	ng	0.00
79) Terphenyl-d14	12.927	244	1915517	63.257	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	148631	3.509	ng	98
75) Fluoranthene	12.551	202	220704	4.805	ng	97
78) Pyrene	12.780	202	181359	4.123	ng	98
81) Benzo(a)anthracene	13.968	228	104209	2.973	ng	98
83) Chrysene	13.998	228	79533	2.517	ng	97
88) Benzo(b)fluoranthene	15.009	252	112779m	3.196	ng	
90) Benzo(a)pyrene	15.368	252	70867	2.587	ng	# 95

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

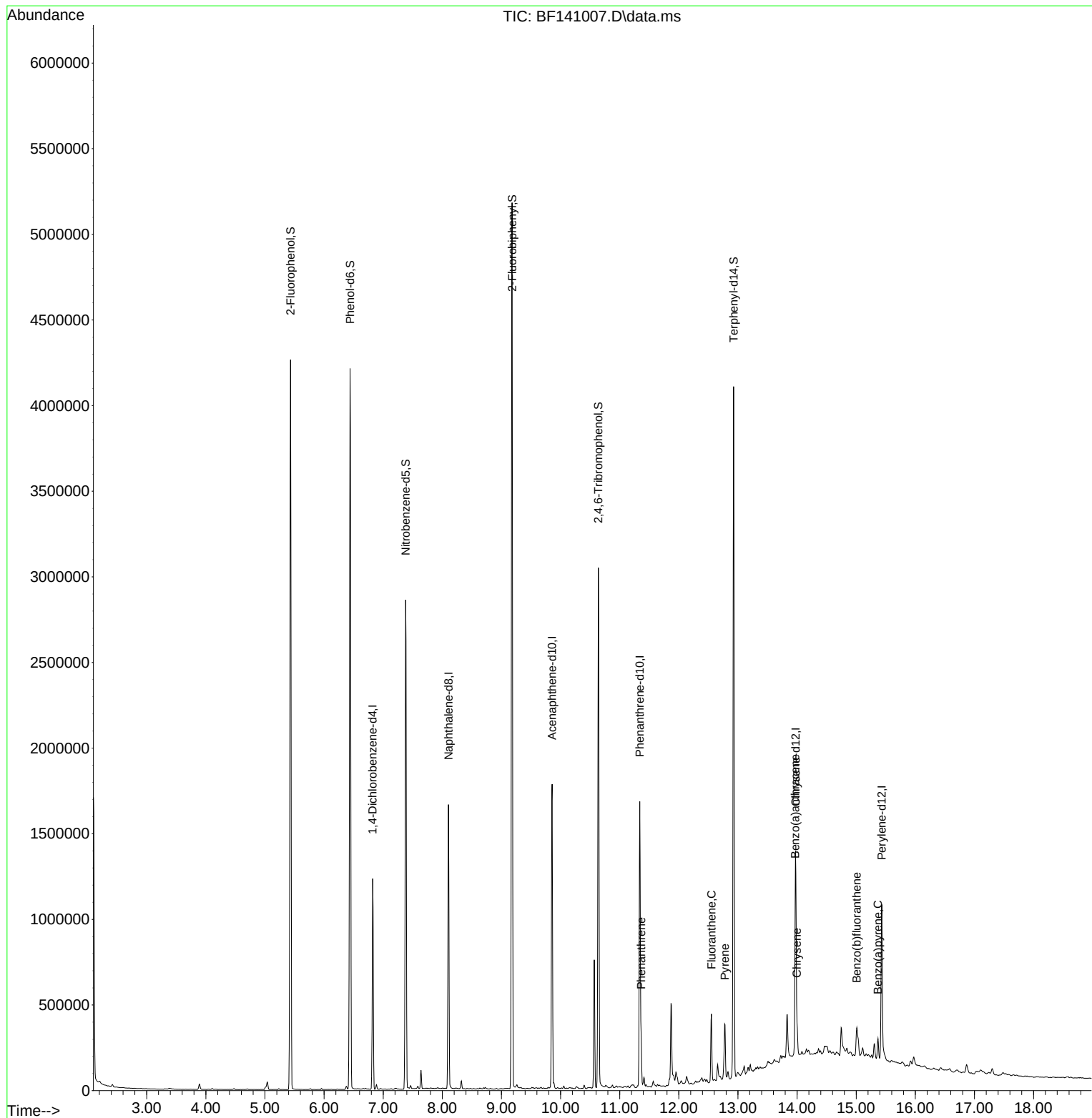
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141007.D
Acq On : 27 Dec 2024 19:58
Operator : RC/JU
Sample : P5382-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

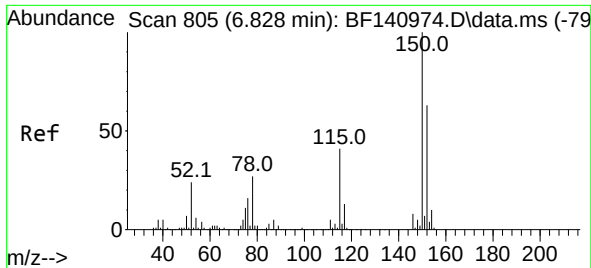
Instrument :
BNA_F
ClientSampleId :
COMP-2

Quant Time: Dec 27 22:21:20 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

Manual Integrations
APPROVED

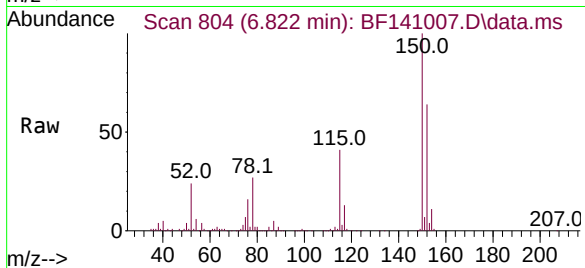
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

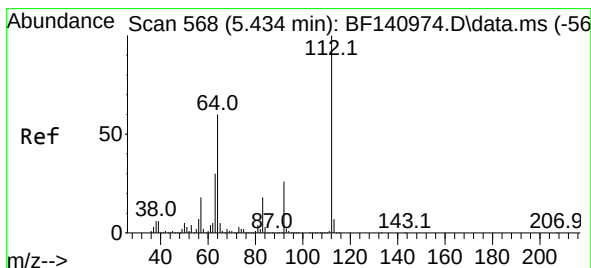
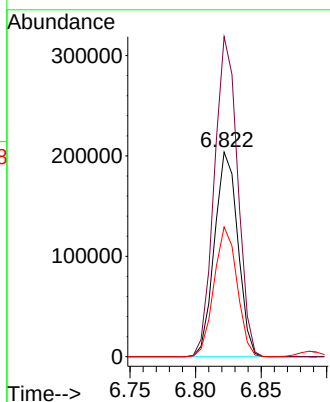
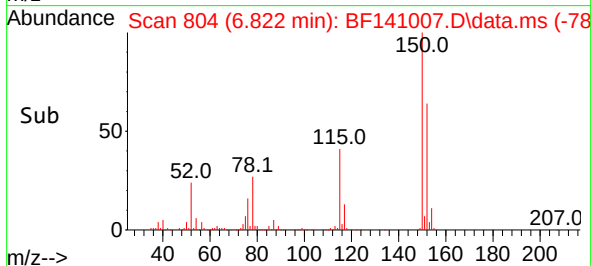
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:152 Resp: 251588
Ion Ratio Lower Upper
152 100
150 156.4 127.0 190.6
115 63.4 51.7 77.5

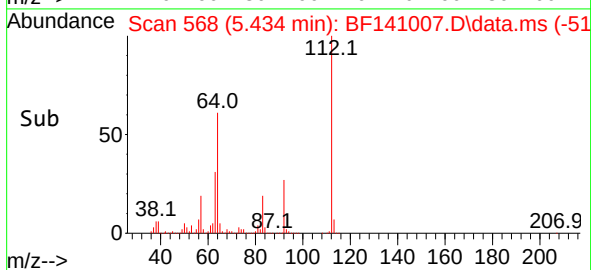
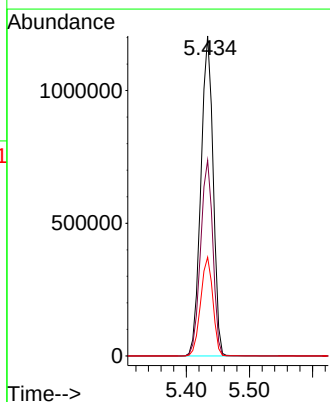
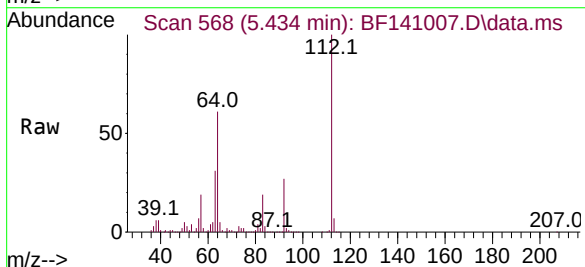
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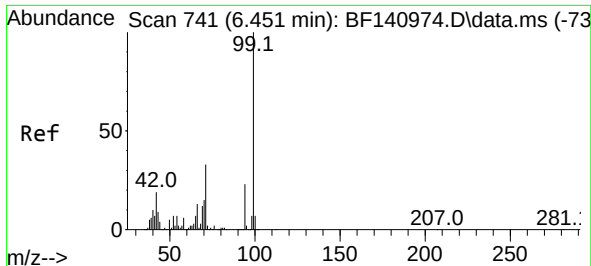
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#5
2-Fluorophenol
Concen: 97.481 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

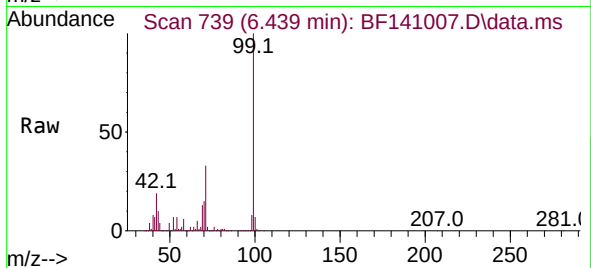
Tgt Ion:112 Resp: 1627005
Ion Ratio Lower Upper
112 100
64 61.1 47.7 71.5
63 30.8 24.2 36.2





#7
Phenol-d6
Concen: 97.040 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

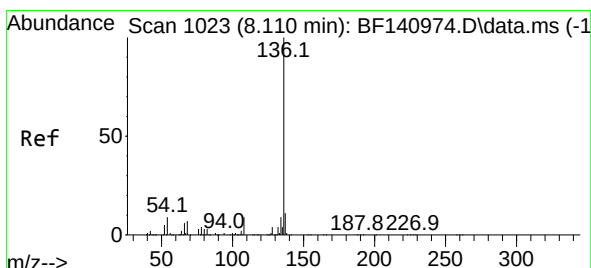
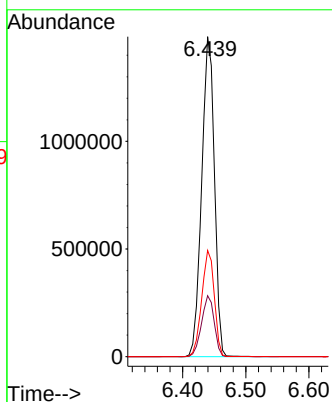
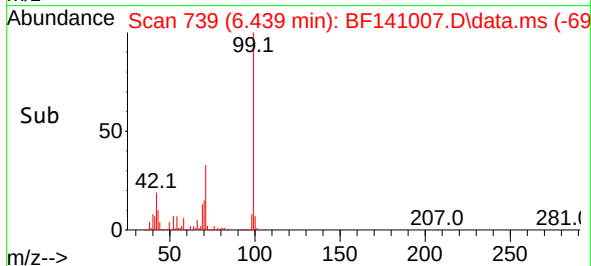
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion: 99 Resp: 208645
Ion Ratio Lower Upper
99 100
42 19.1 15.0 22.4
71 33.2 26.2 39.2

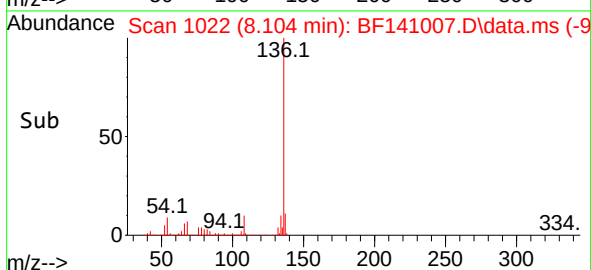
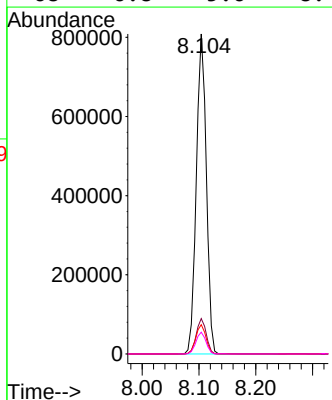
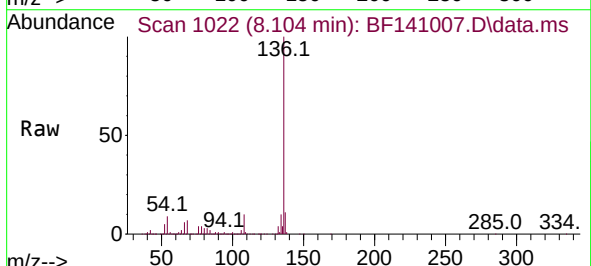
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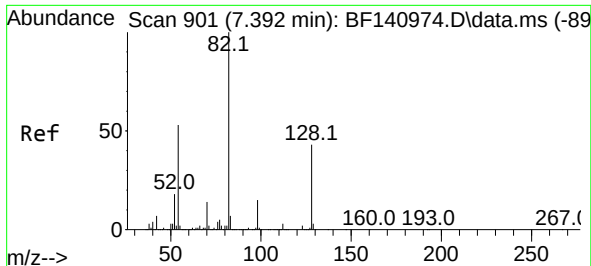
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:136 Resp: 996554
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.2 7.6 11.4
68 6.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 83.291 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion: 82 Resp: 1297392

Ion Ratio Lower Upper

82 100

128 43.8 34.4 51.6

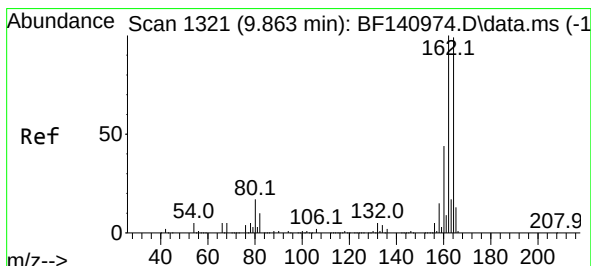
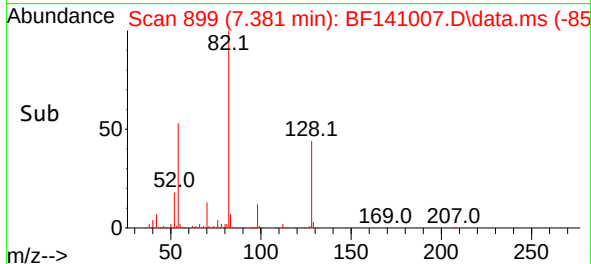
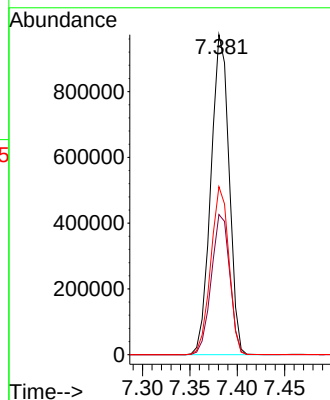
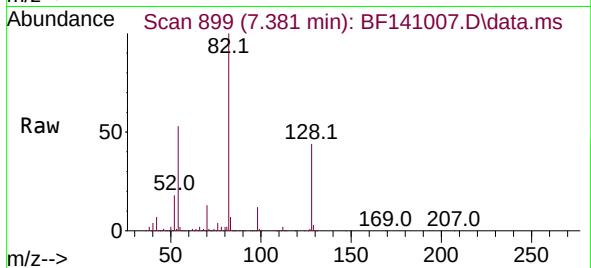
54 52.5 42.4 63.6

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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: BF141007.D

Acq: 27 Dec 2024 19:58

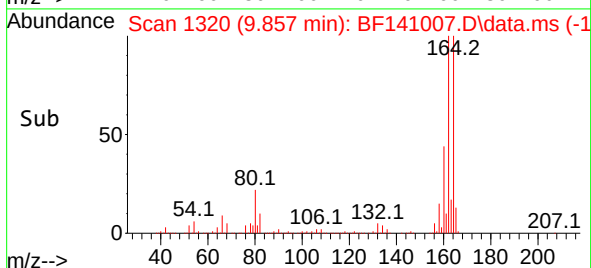
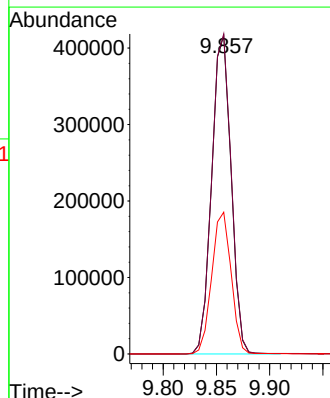
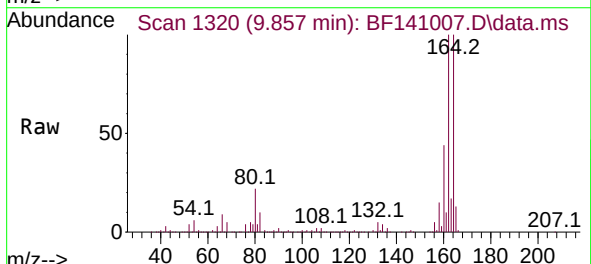
Tgt Ion:164 Resp: 526548

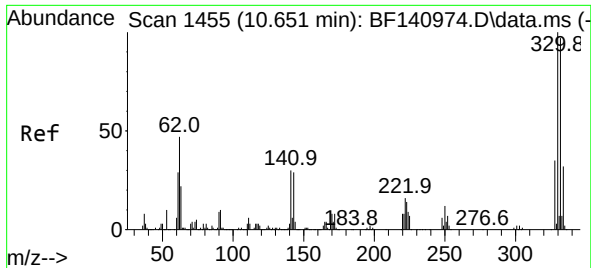
Ion Ratio Lower Upper

164 100

162 100.5 80.6 120.8

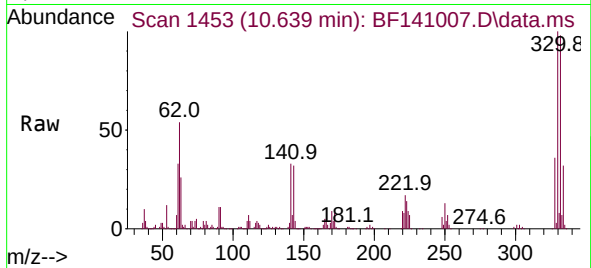
160 44.5 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 101.348 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

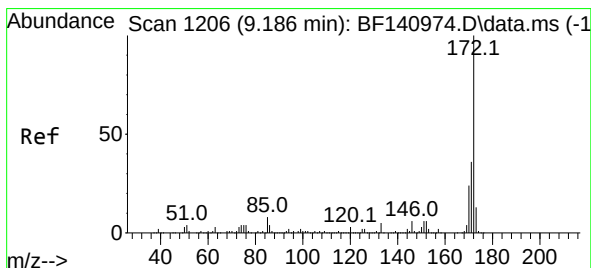
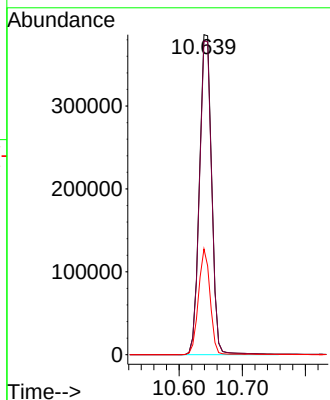
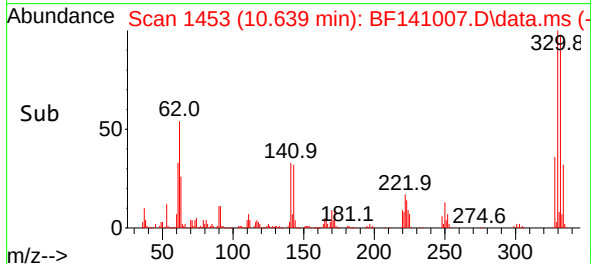
Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:330 Resp: 518540
Ion Ratio Lower Upper
330 100
332 98.1 78.0 117.0
141 31.6 26.4 39.6

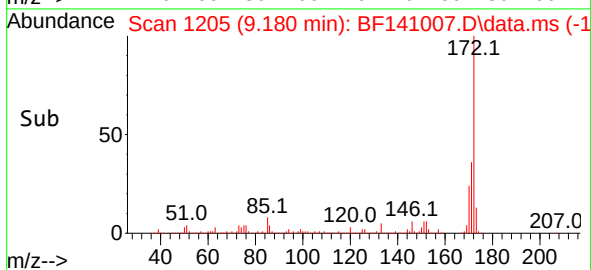
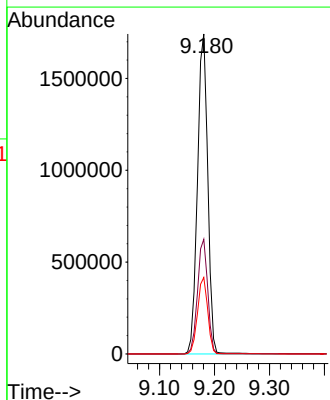
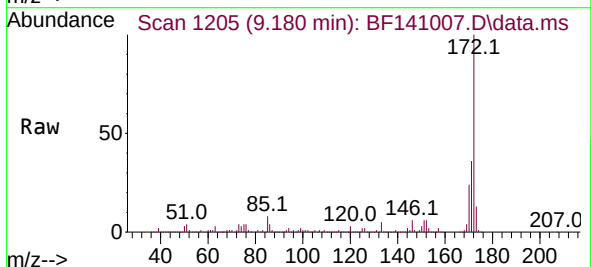
Manual Integrations
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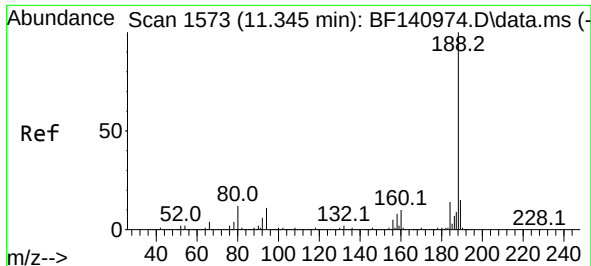
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#45
2-Fluorobiphenyl
Concen: 68.867 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

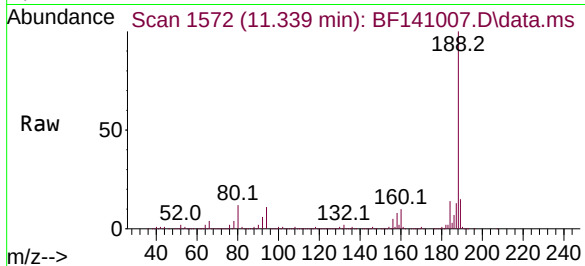
Tgt Ion:172 Resp: 2275994
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.9 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

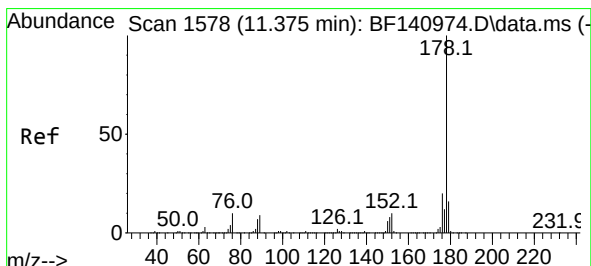
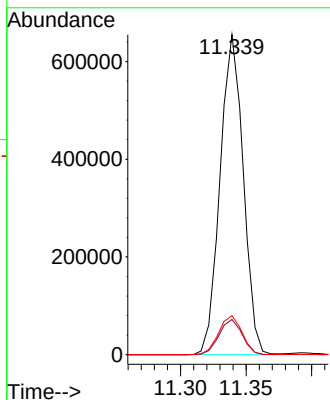
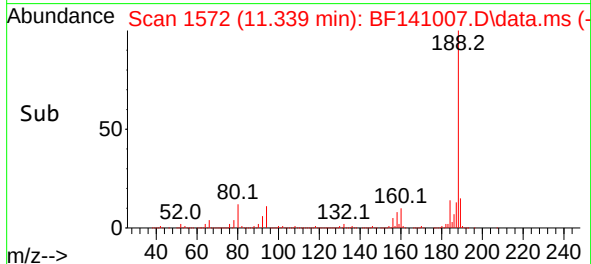
Instrument :
BNA_F
ClientSampleId :
COMP-2



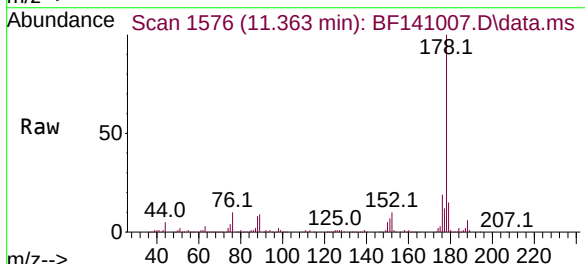
Tgt Ion:188 Resp: 80470
Ion Ratio Lower Upper
188 100
94 11.0 9.0 13.6
80 12.2 9.8 14.6

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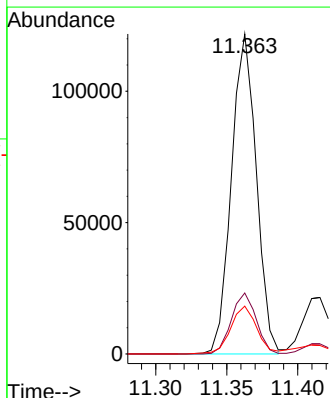
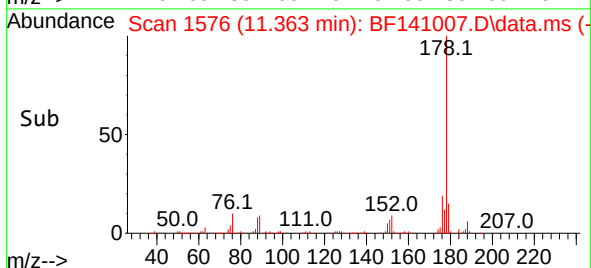
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

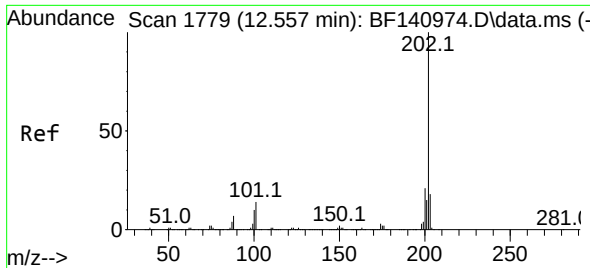


#71
Phenanthrene
Concen: 3.509 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58



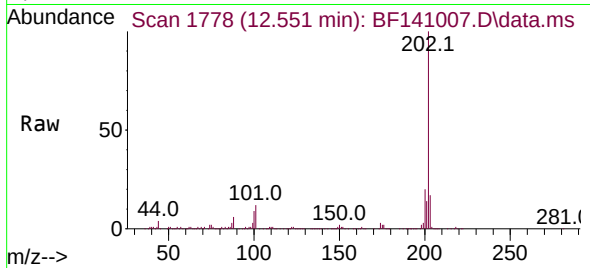
Tgt Ion:178 Resp: 148631
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 4.805 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

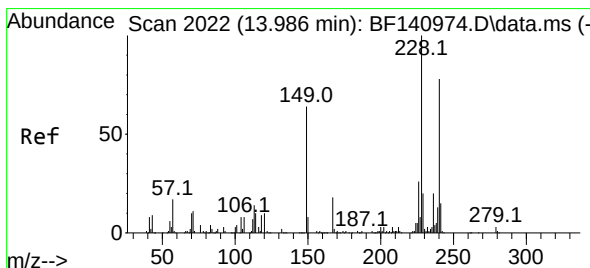
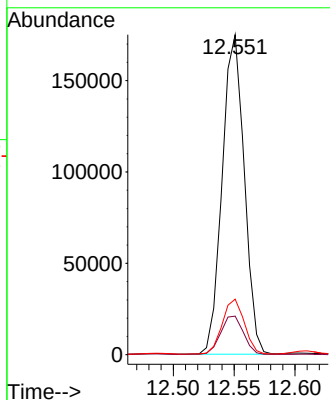
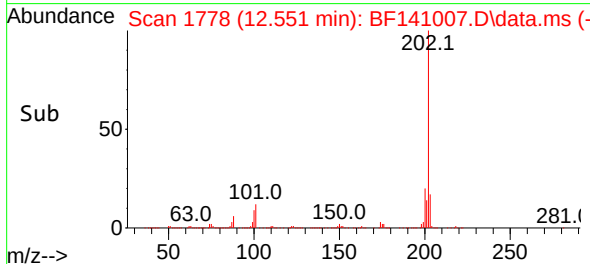
Instrument :
BNA_F
ClientSampleId :
COMP-2



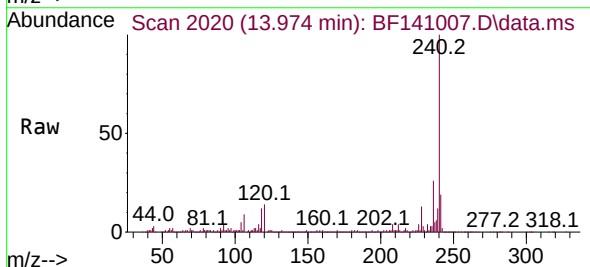
Tgt Ion:202 Resp: 220704
Ion Ratio Lower Upper
202 100
101 12.1 0.0 33.7
203 17.4 0.0 38.1

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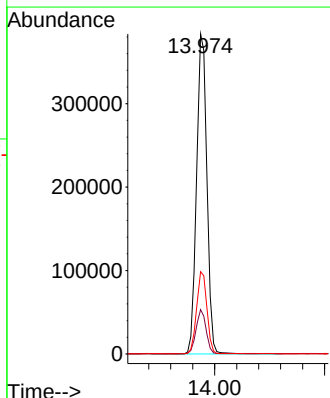
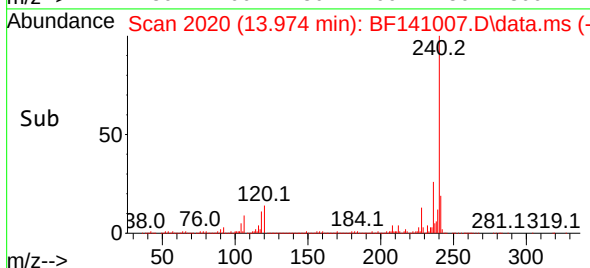
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

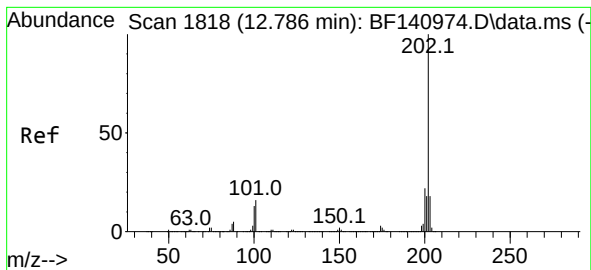


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58



Tgt Ion:240 Resp: 502976
Ion Ratio Lower Upper
240 100
120 13.8 10.7 16.1
236 25.7 20.6 31.0





#78

Pyrene

Concen: 4.123 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tgt Ion:202 Resp: 18135

Ion Ratio Lower Upper

202 100

200 20.4 17.3 25.9

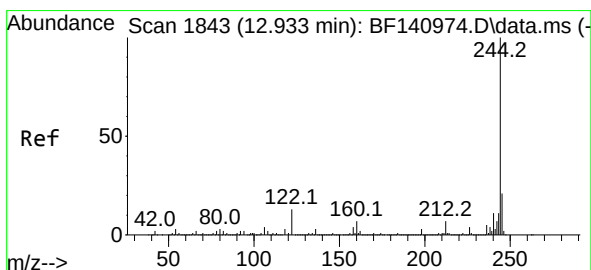
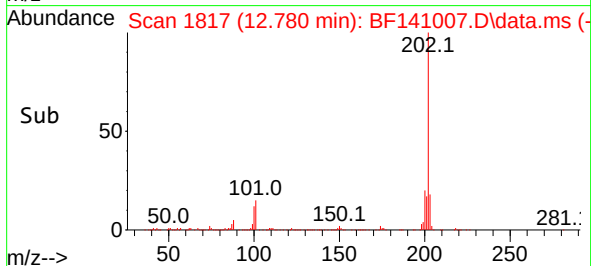
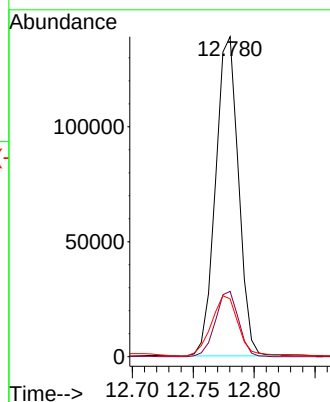
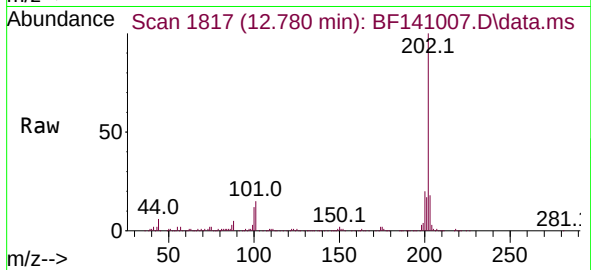
203 18.0 14.6 21.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#79

Terphenyl-d14

Concen: 63.257 ng

RT: 12.927 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

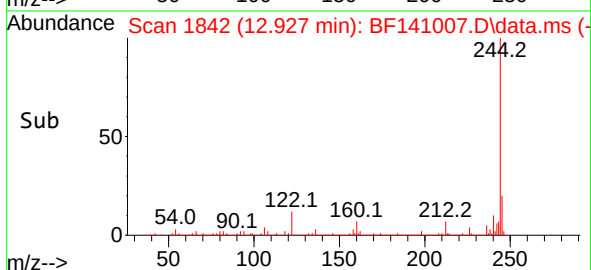
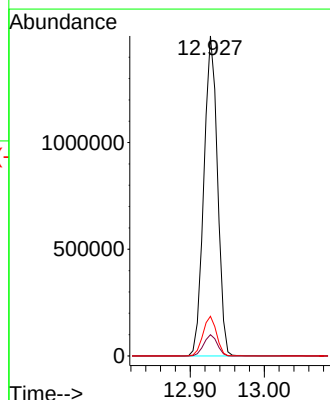
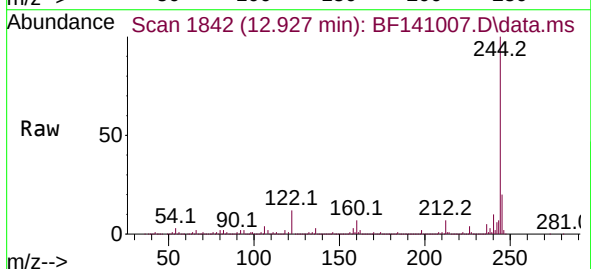
Tgt Ion:244 Resp: 1915517

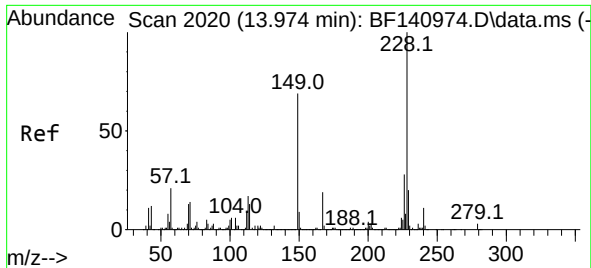
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 12.4 10.2 15.2





#81
Benzo(a)anthracene
Concen: 2.973 ng
RT: 13.968 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

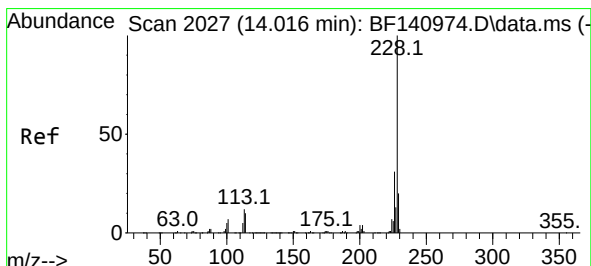
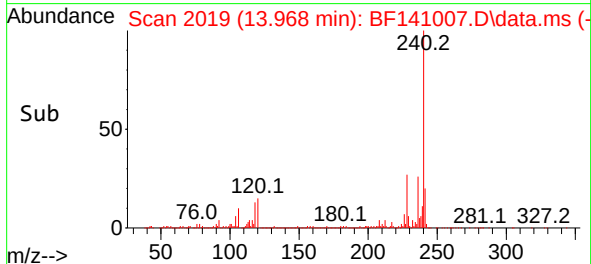
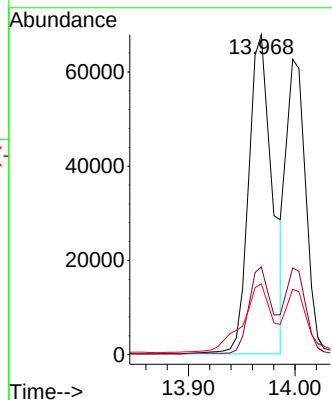
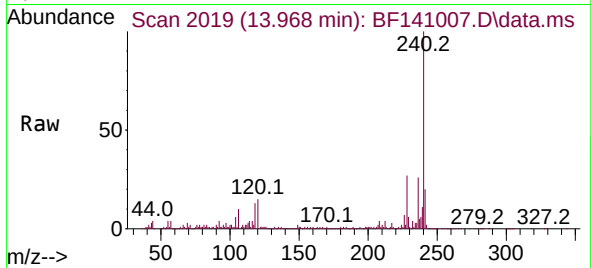
Tgt Ion:228 Resp: 104209
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 22.2 16.2 24.2

Manual Integrations

APPROVED

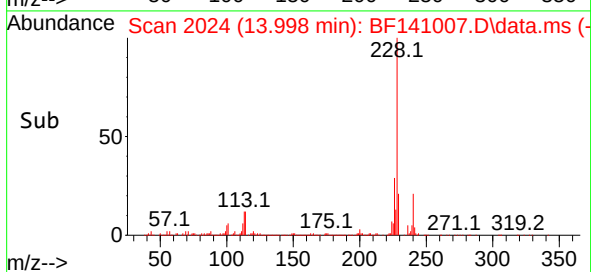
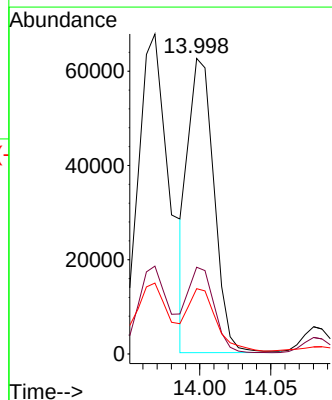
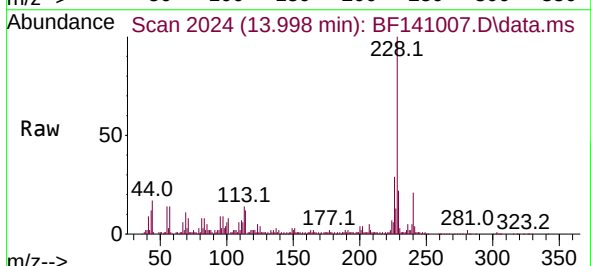
Reviewed By :Yogesh Patel 12/30/2024

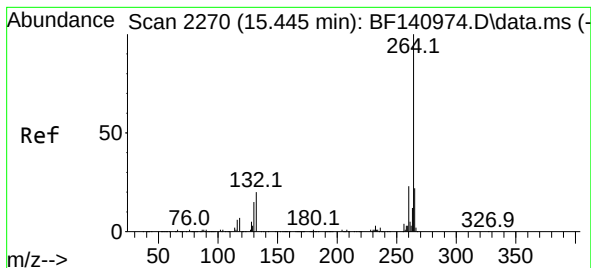
Supervised By :mohammad ahmed 12/30/2024



#83
Chrysene
Concen: 2.517 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Tgt Ion:228 Resp: 79533
Ion Ratio Lower Upper
228 100
226 29.3 24.5 36.7
229 22.1 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: BF141007.D

Acq: 27 Dec 2024 19:58

Instrument :

BNA_F

ClientSampleId :

COMP-2

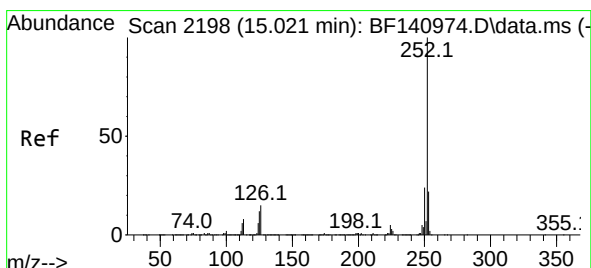
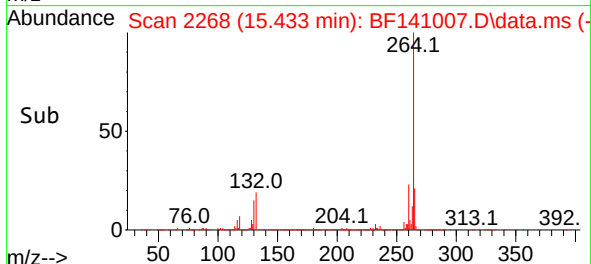
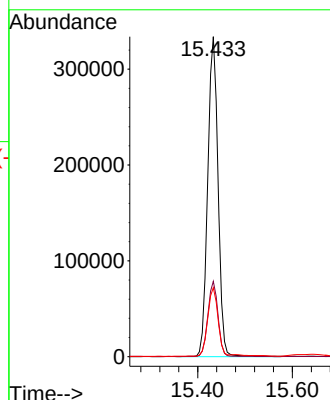
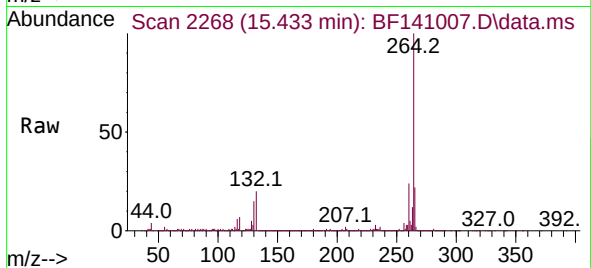
Tgt Ion:264 Resp: 505972
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.7 28.1
 265 21.6 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#88

Benzo(b)fluoranthene

Concen: 3.196 ng m

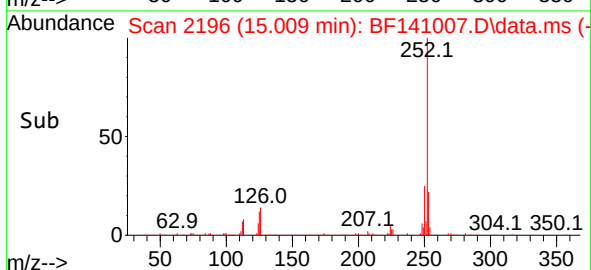
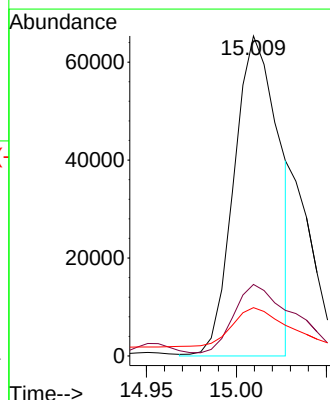
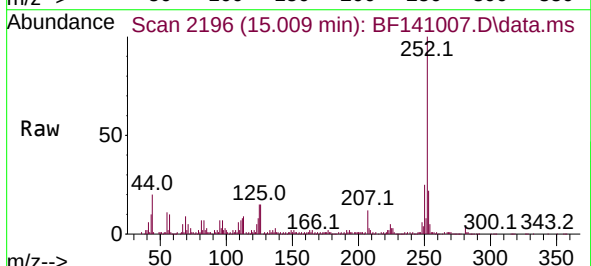
RT: 15.009 min Scan# 2196

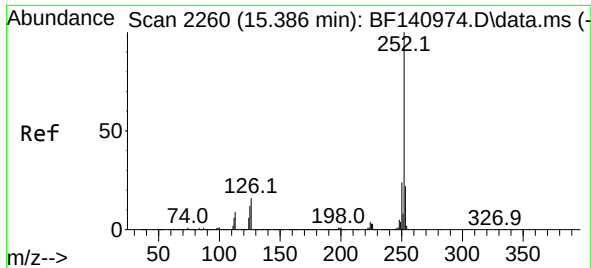
Delta R.T. -0.012 min

Lab File: BF141007.D

Acq: 27 Dec 2024 19:58

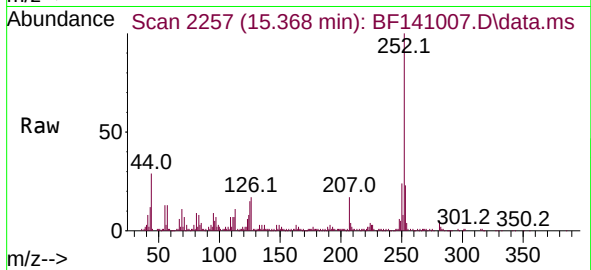
Tgt Ion:252 Resp: 112779
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 15.1 9.3 13.9#





#90
Benzo(a)pyrene
Concen: 2.587 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141007.D
Acq: 27 Dec 2024 19:58

Instrument :
BNA_F
ClientSampleId :
COMP-2



Tgt Ion:252 Resp: 7086
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 15.4 9.8 14.8

Manual Integrations
APPROVED

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

