

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012125\
 Data File : BF141231.D
 Acq On : 21 Jan 2025 13:09
 Operator : RC/JU
 Sample : Q1123-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

Quant Time: Jan 21 13:37:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	164727	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	632881	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	329701	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	496523	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	385189	20.000	ng	-0.02
86) Perylene-d12	15.433	264	418572	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	986997	92.560	ng	-0.01
7) Phenol-d6	6.434	99	1234594	91.402	ng	-0.01
23) Nitrobenzene-d5	7.363	82	795571	66.635	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	351490	93.563	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1458550	67.554	ng	-0.02
79) Terphenyl-d14	12.915	244	1364807	52.663	ng	-0.02
Target Compounds						Qvalue
58) Fluorene	10.386	166	53490	2.543	ng	99
71) Phenanthrene	11.351	178	374617	14.053	ng	99
72) Anthracene	11.398	178	89990	3.472	ng	98
75) Fluoranthene	12.539	202	435199	16.360	ng	99
78) Pyrene	12.768	202	394849	10.732	ng	99
81) Benzo(a)anthracene	13.962	228	232865	8.883	ng	96
83) Chrysene	13.992	228	178351	7.271	ng	97
87) Indeno(1,2,3-cd)pyrene	16.874	276	103629	3.379	ng	97
88) Benzo(b)fluoranthene	15.015	252	277951m	10.298	ng	
89) Benzo(k)fluoranthene	15.027	252	102709m	4.503	ng	
90) Benzo(a)pyrene	15.374	252	190047	8.534	ng	100
92) Benzo(g,h,i)perylene	17.309	276	97199	3.768	ng	98

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

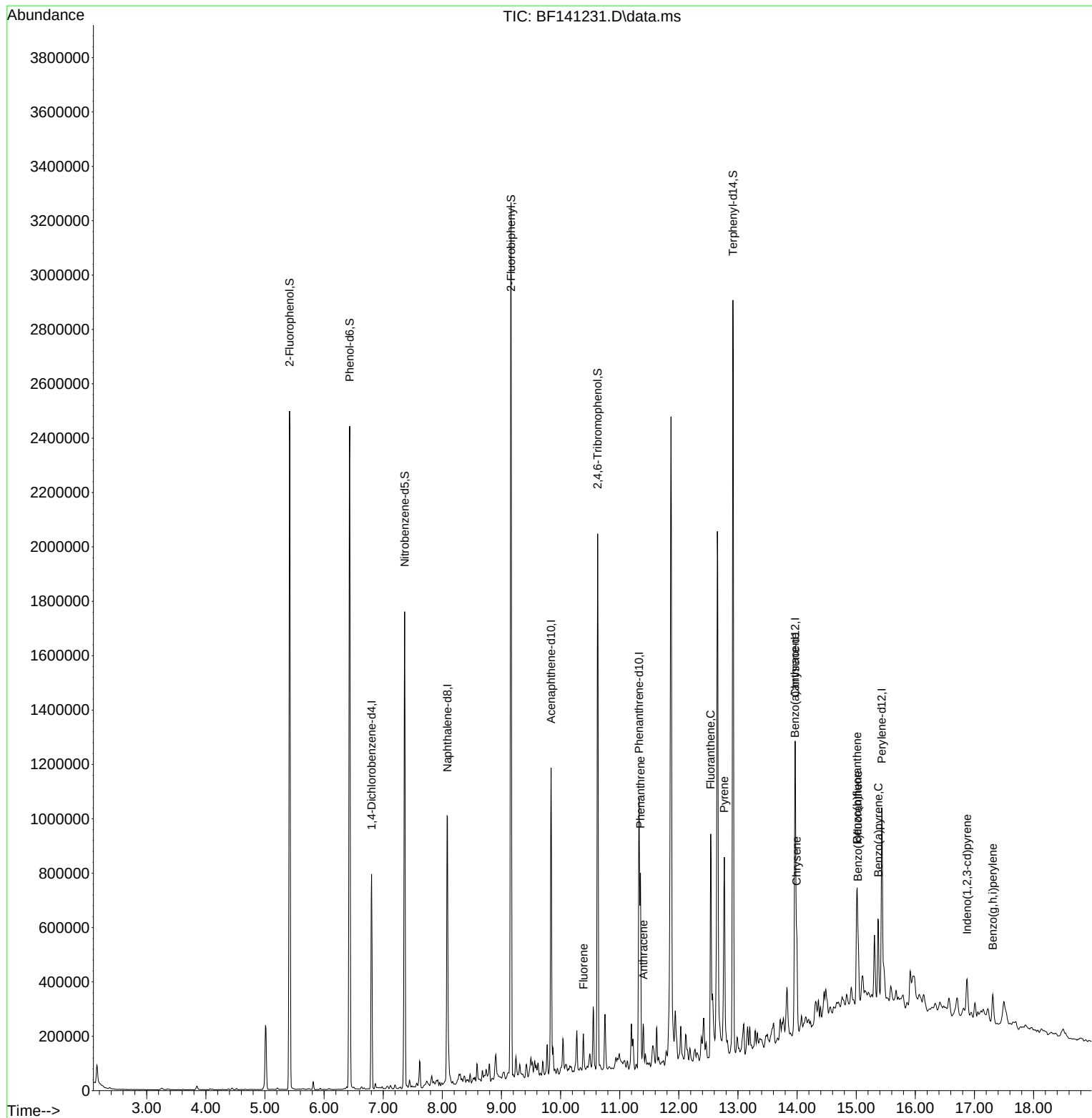
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012125\
Data File : BF141231.D
Acq On : 21 Jan 2025 13:09
Operator : RC/JU
Sample : Q1123-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

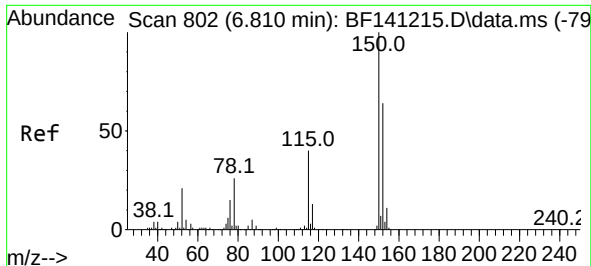
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025

Quant Time: Jan 21 13:37:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

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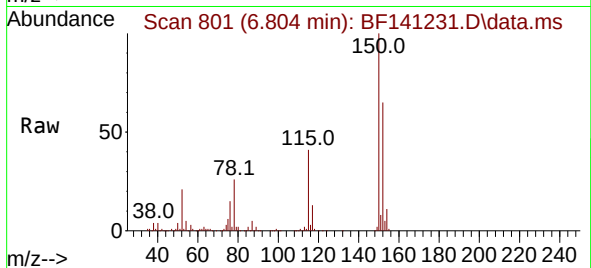
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

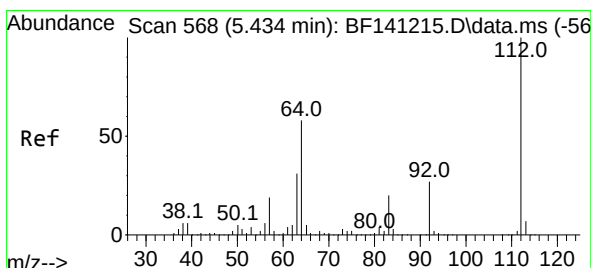
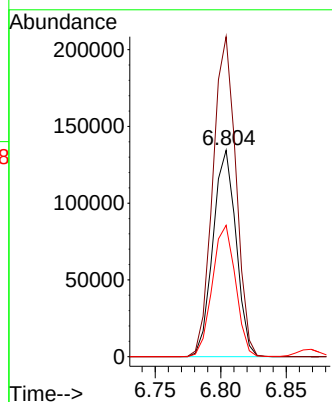
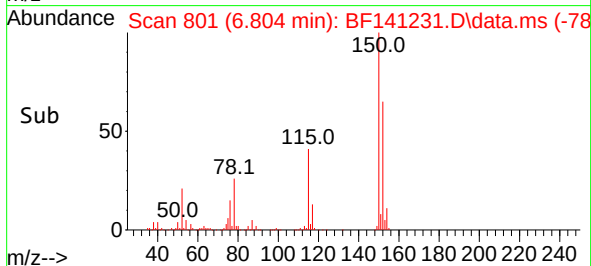
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion:152 Resp: 16472
Ion Ratio Lower Upper
152 100
150 155.0 125.8 188.8
115 63.7 51.4 77.2

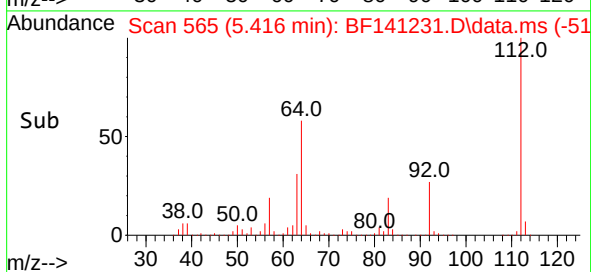
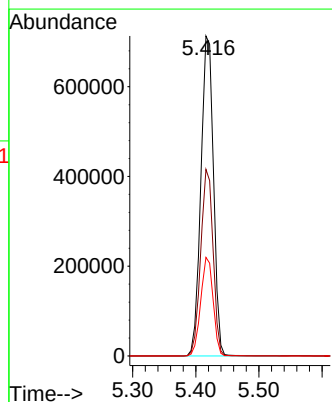
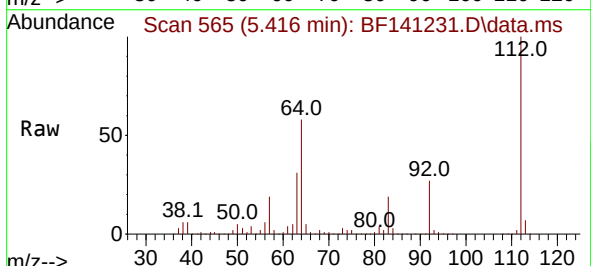
Manual Integrations
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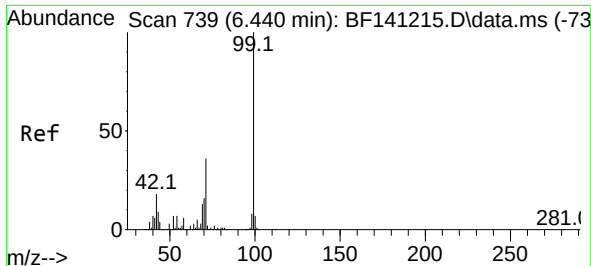
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#5
2-Fluorophenol
Concen: 92.560 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

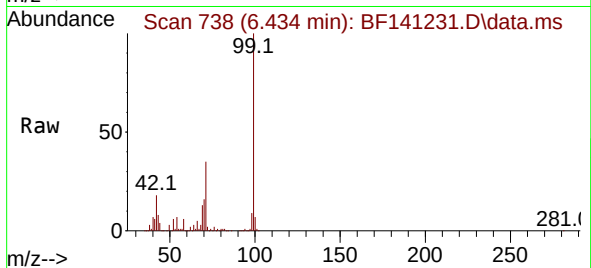
Tgt Ion:112 Resp: 986997
Ion Ratio Lower Upper
112 100
64 58.3 47.3 70.9
63 30.8 24.2 36.2





#7
Phenol-d6
Concen: 91.402 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

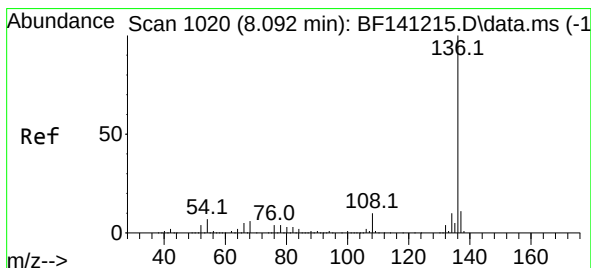
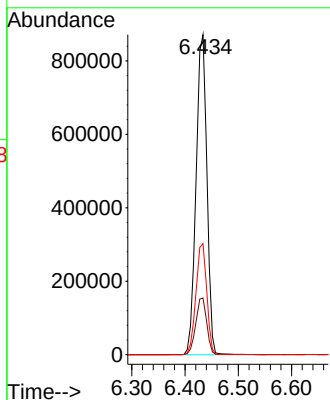
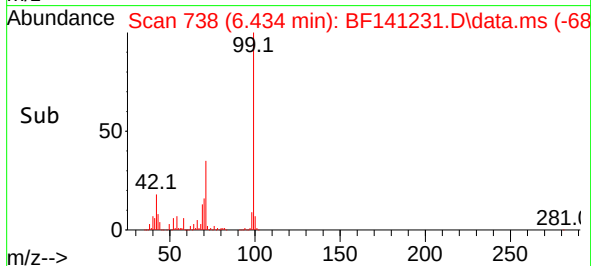
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion: 99 Resp: 1234594
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.4
71 34.7 27.6 41.4

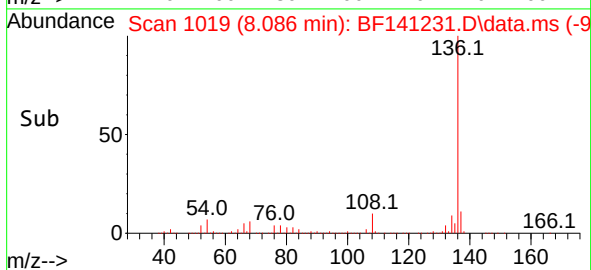
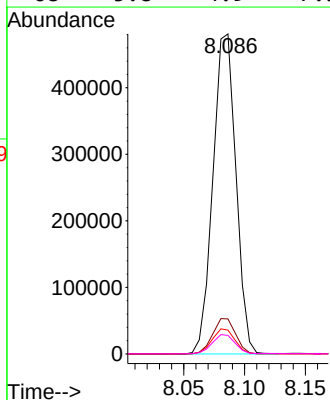
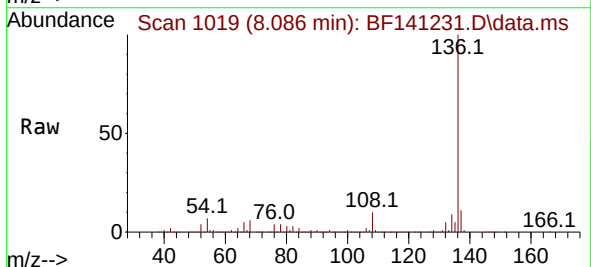
Manual Integrations
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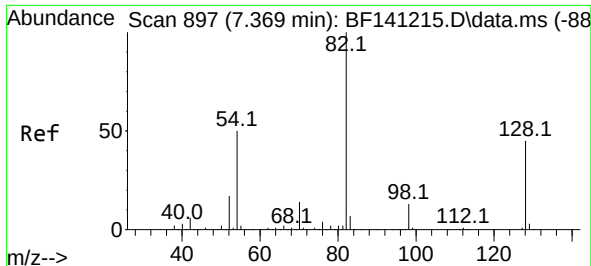
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

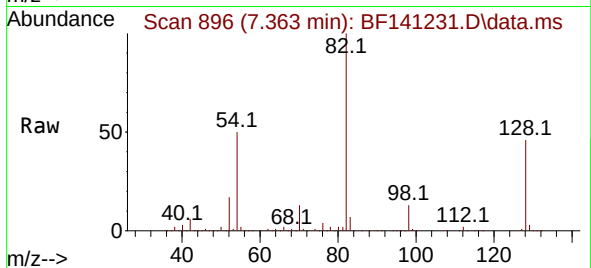
Tgt Ion:136 Resp: 632881
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.4 6.3 9.5
68 5.8 4.9 7.3





#23
Nitrobenzene-d5
Concen: 66.635 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

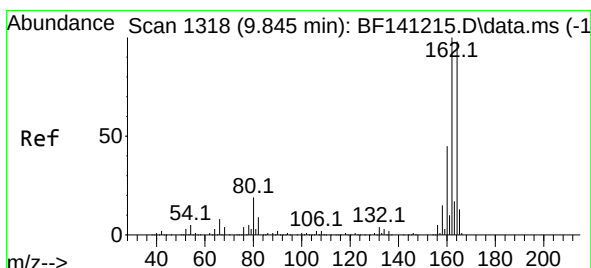
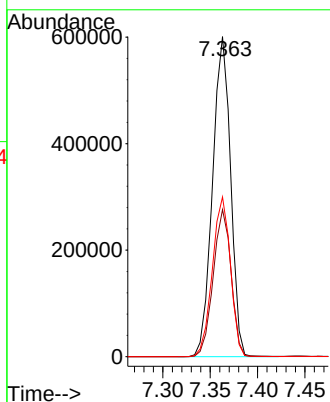
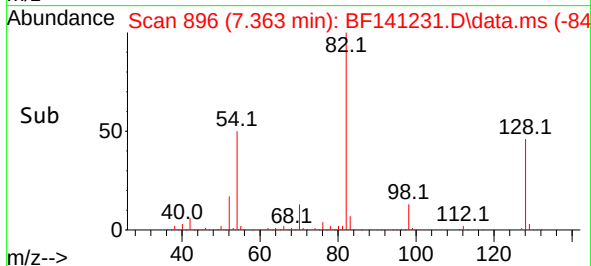
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion: 82 Resp: 79557
Ion Ratio Lower Upper
82 100
128 45.9 36.1 54.1
54 49.9 41.0 61.4

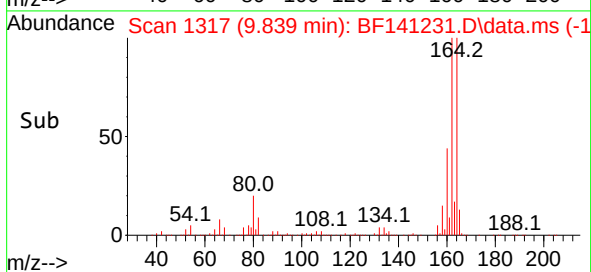
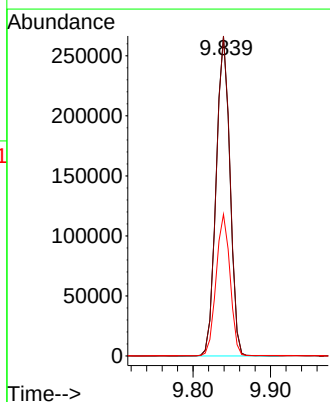
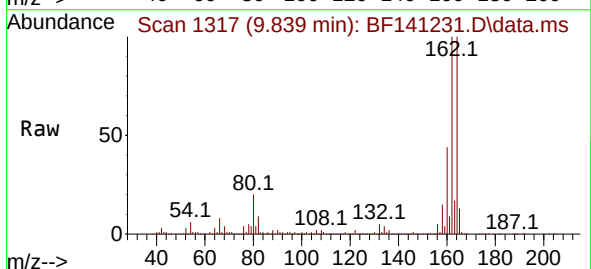
Manual Integrations
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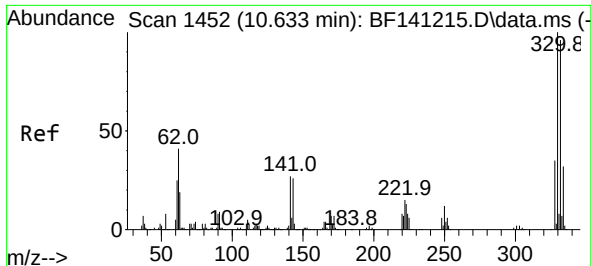
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

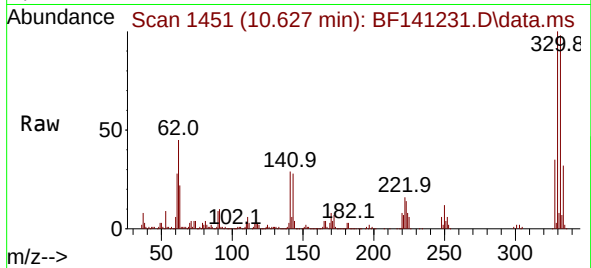
Tgt Ion:164 Resp: 329701
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 44.3 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 93.563 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

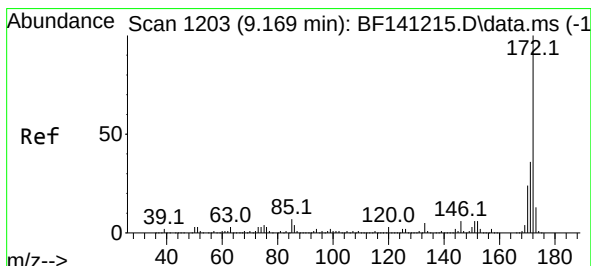
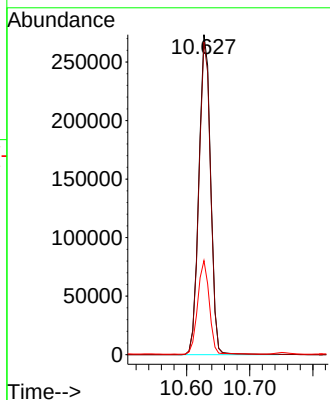
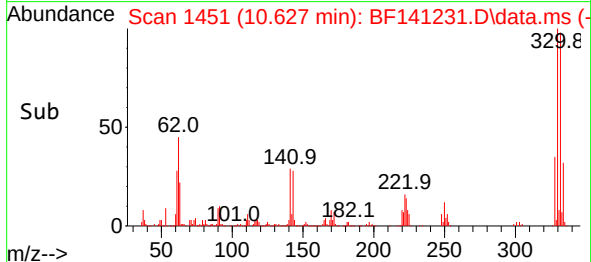
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



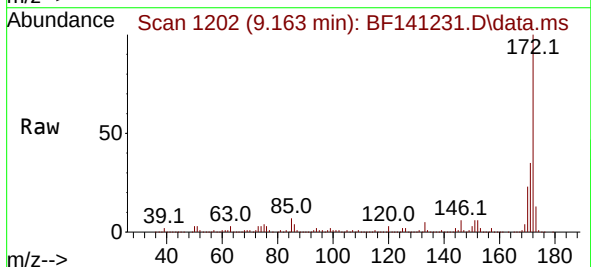
Tgt Ion: 330 Resp: 351490
Ion Ratio Lower Upper
330 100
332 97.6 76.9 115.3
141 28.9 25.2 37.8

Manual Integrations
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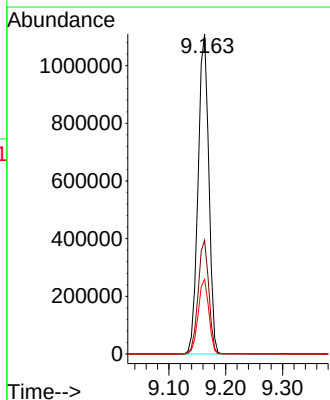
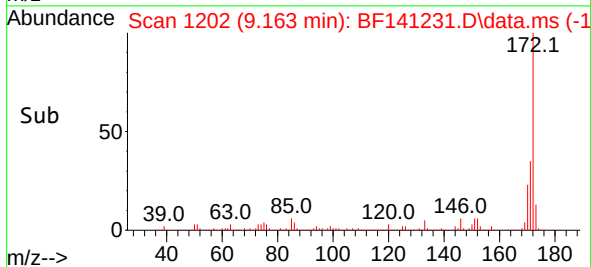
Reviewed By : Yogesh Patel 01/22/2025
Supervised By : mohammad ahmed 01/22/2025

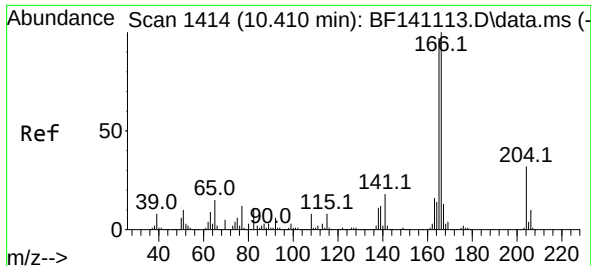


#45
2-Fluorobiphenyl
Concen: 67.554 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09



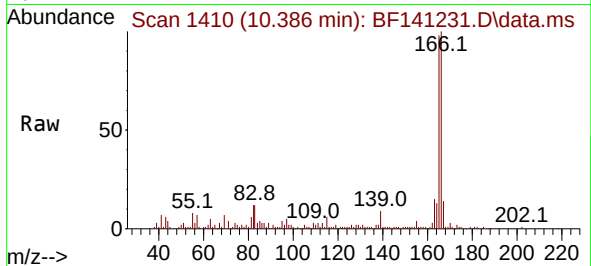
Tgt Ion: 172 Resp: 1458550
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.3 19.0 28.6





#58
Fluorene
Concen: 2.543 ng
RT: 10.386 min Scan# 1414
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

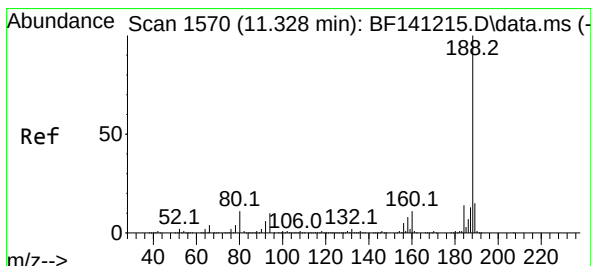
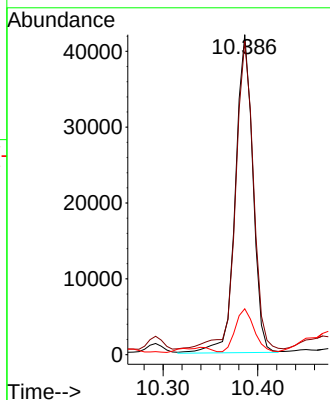
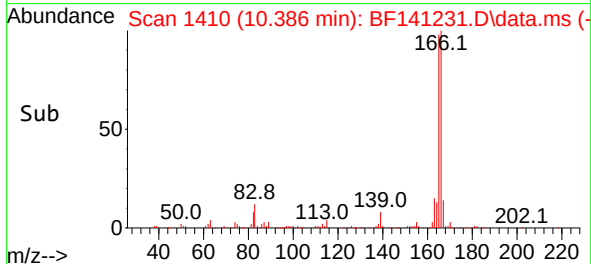
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion:166 Resp: 53490
Ion Ratio Lower Upper
166 100
165 97.9 77.8 116.8
167 14.4 10.8 16.2

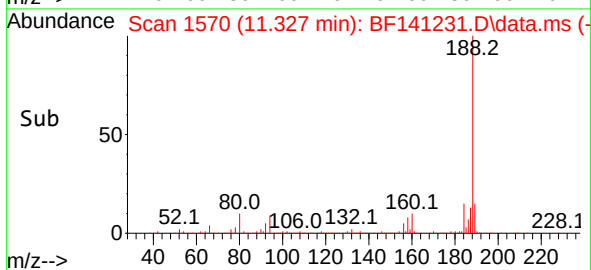
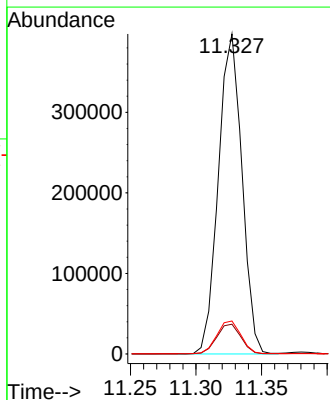
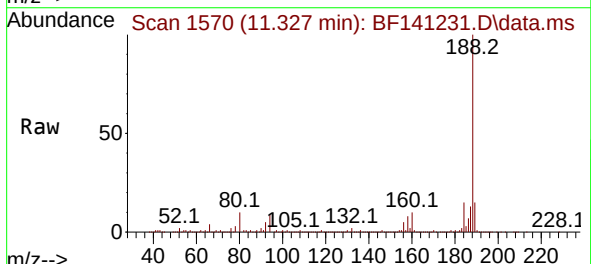
Manual Integrations
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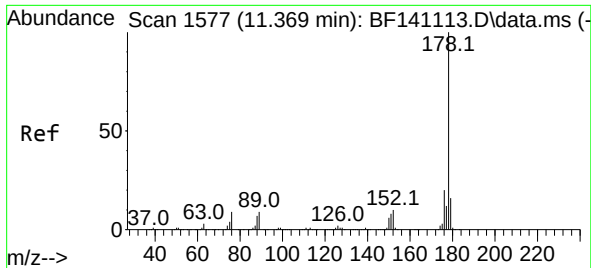
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

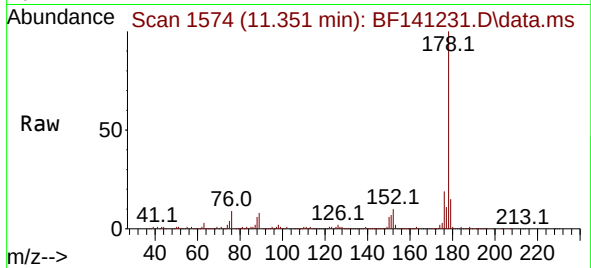
Tgt Ion:188 Resp: 496523
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.3 9.0 13.4





#71
Phenanthrene
Concen: 14.053 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

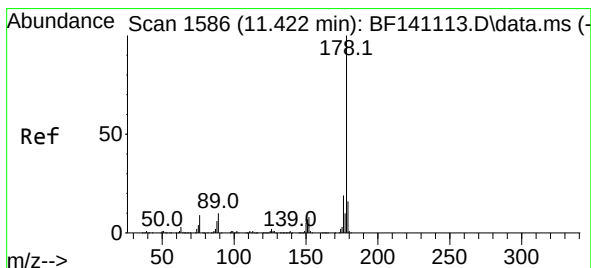
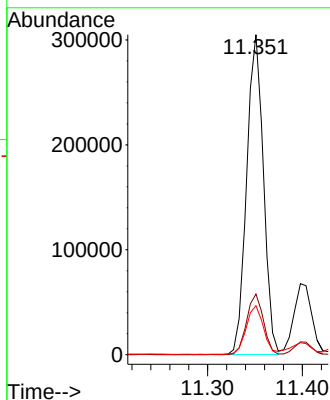
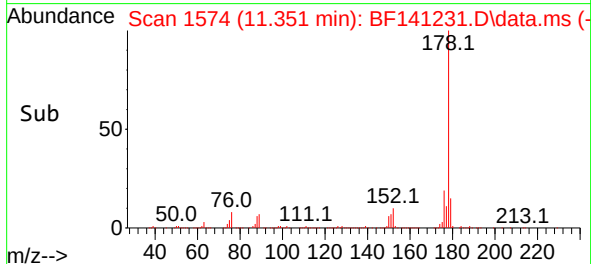
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



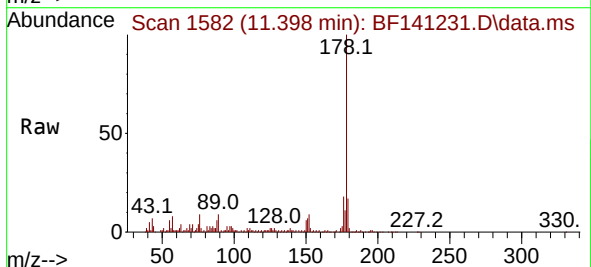
Tgt Ion:178 Resp: 37461
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.3 12.6 19.0

Manual Integrations
APPROVED

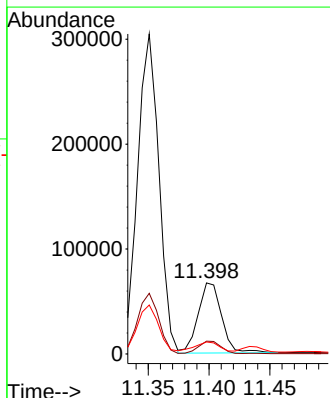
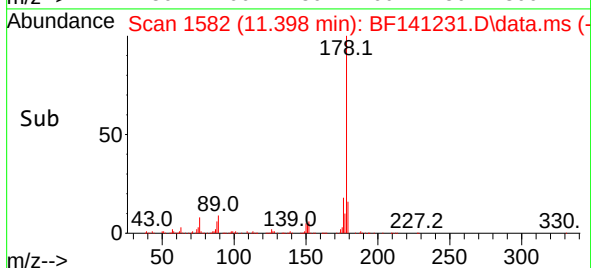
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

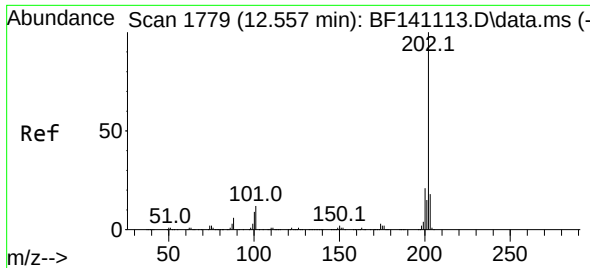


#72
Anthracene
Concen: 3.472 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09



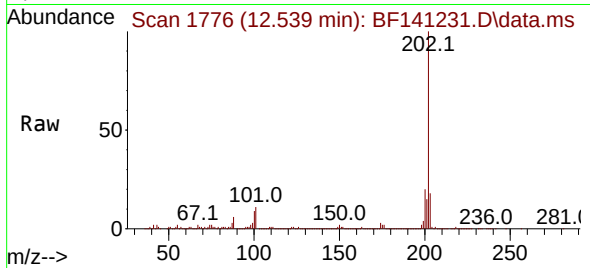
Tgt Ion:178 Resp: 89990
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 16.9 12.6 19.0





#75
Fluoranthene
Concen: 16.360 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

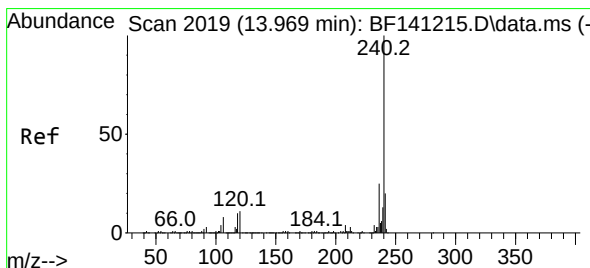
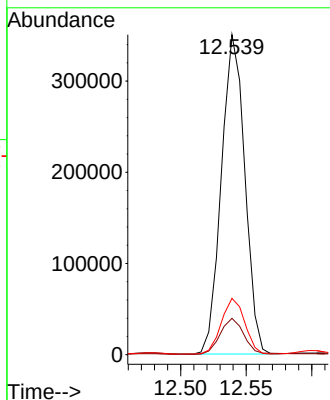
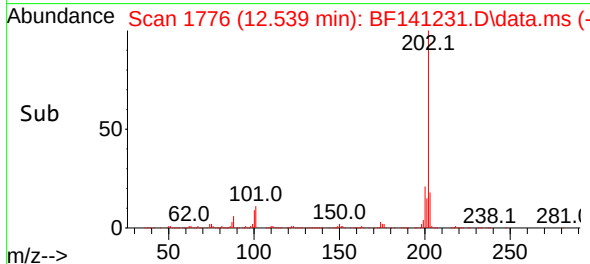
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion:202 Resp: 435199
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.3
203 17.6 0.0 37.7

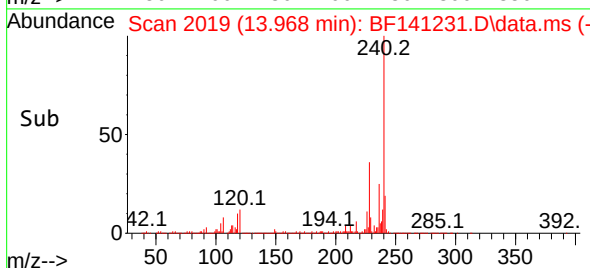
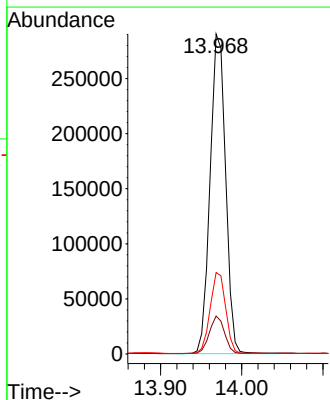
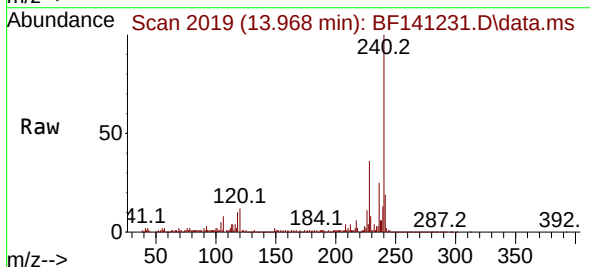
Manual Integrations
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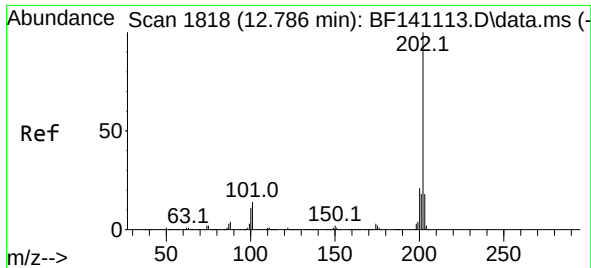
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

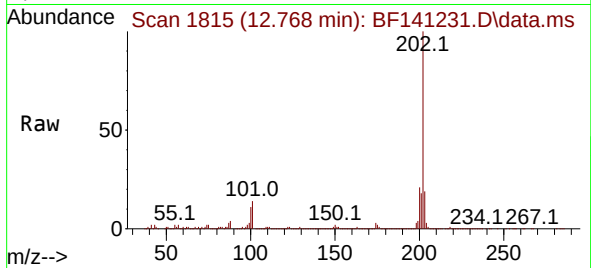
Tgt Ion:240 Resp: 385189
Ion Ratio Lower Upper
240 100
120 11.8 9.1 13.7
236 25.5 19.8 29.6





#78
Pyrene
Concen: 10.732 ng
RT: 12.768 min Scan# 1815
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

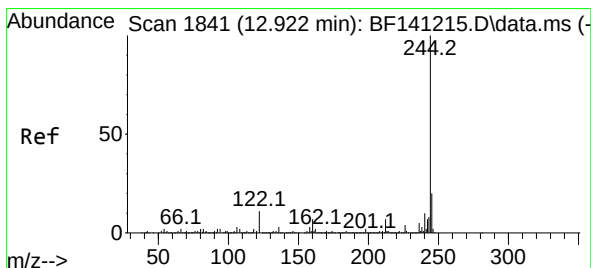
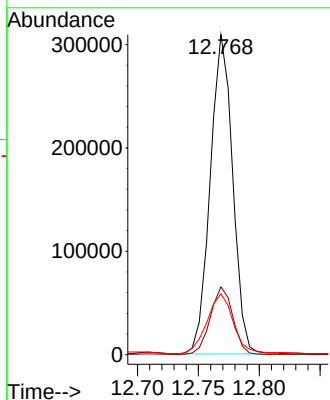
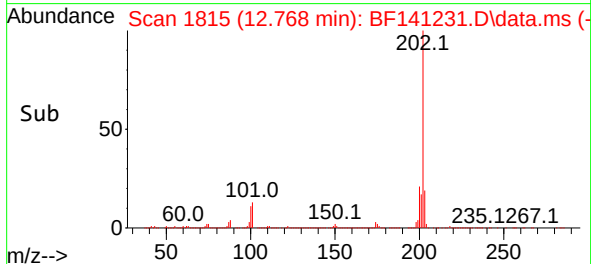
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion:202 Resp: 394849
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 19.0 14.3 21.5

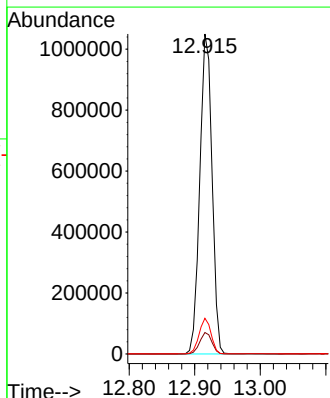
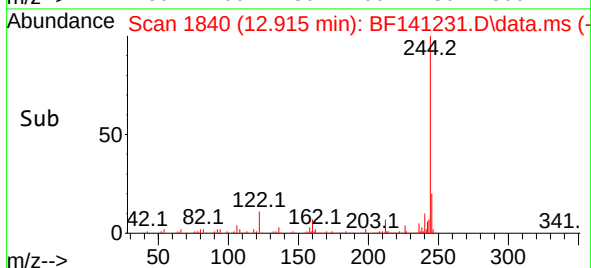
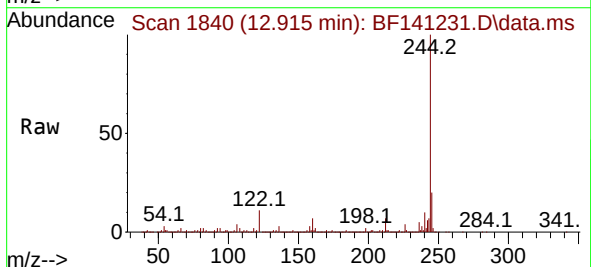
Manual Integrations
APPROVED

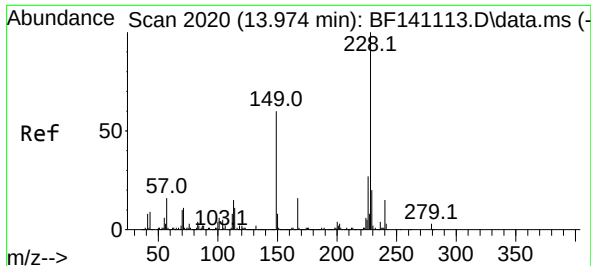
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#79
Terphenyl-d14
Concen: 52.663 ng
RT: 12.915 min Scan# 1840
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

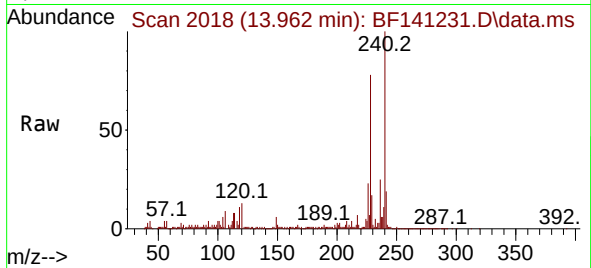
Tgt Ion:244 Resp: 1364807
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 11.1 8.8 13.2





#81
Benzo(a)anthracene
Concen: 8.883 ng
RT: 13.962 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

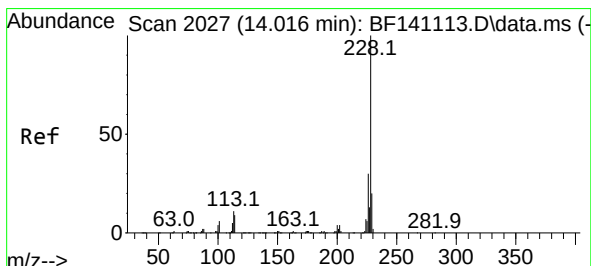
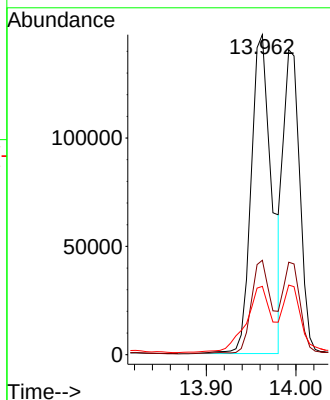
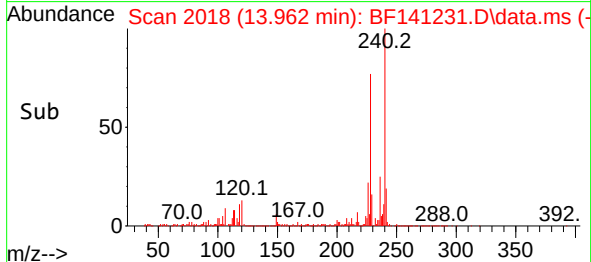
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



Tgt Ion:228 Resp: 23286
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 21.3 15.7 23.5

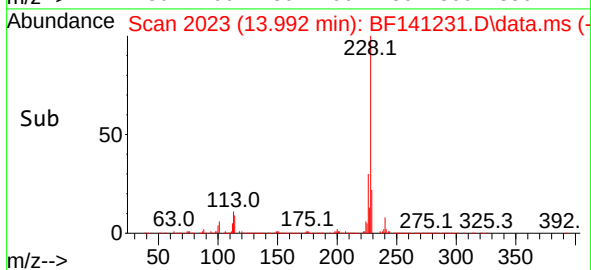
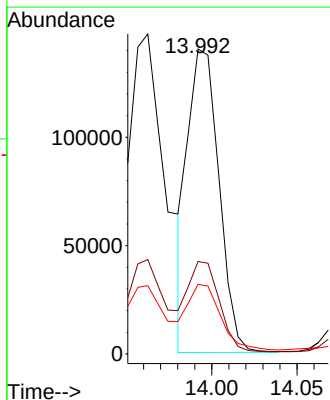
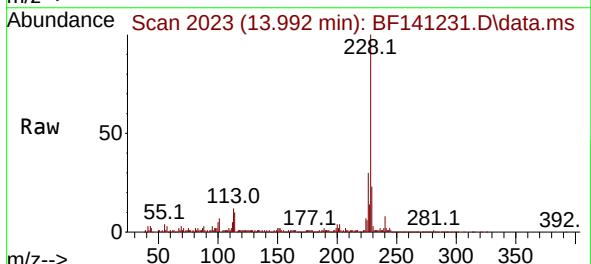
Manual Integrations
APPROVED

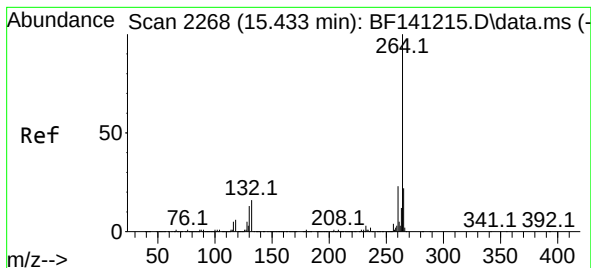
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#83
Chrysene
Concen: 7.271 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

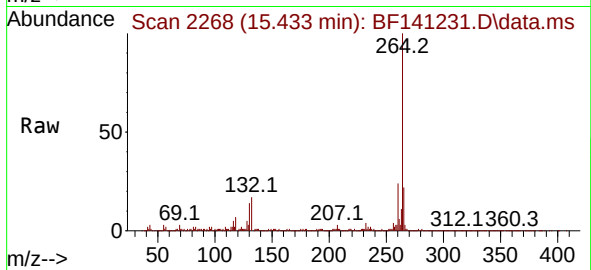
Tgt Ion:228 Resp: 178351
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 22.8 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

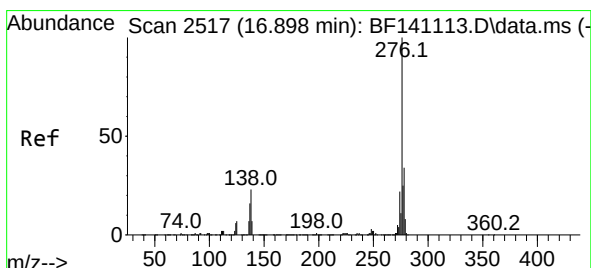
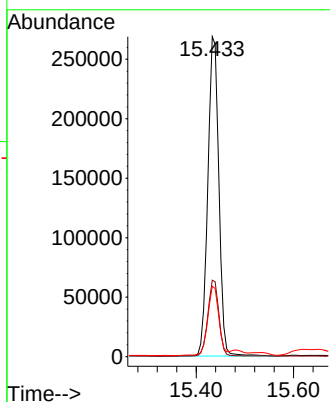
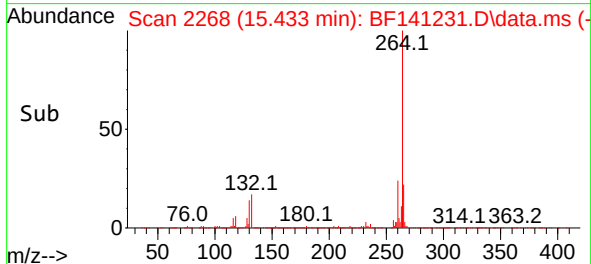
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



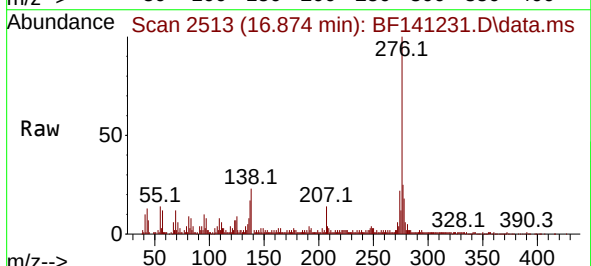
Tgt Ion:264 Resp: 418572
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.0 17.4 26.0

Manual Integrations
APPROVED

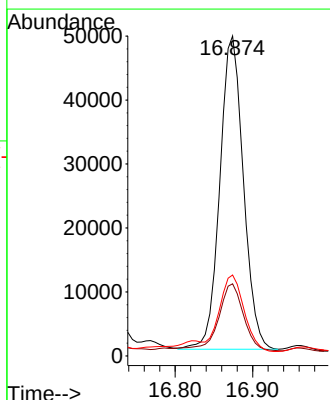
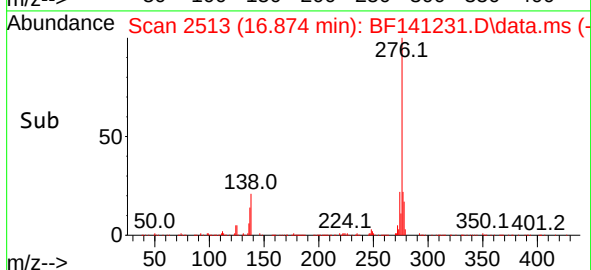
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

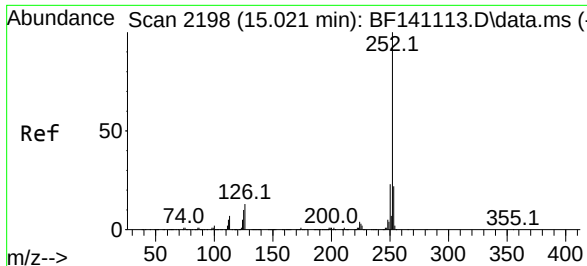


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.379 ng
RT: 16.874 min Scan# 2513
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09



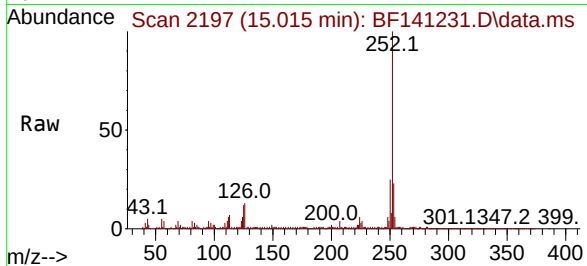
Tgt Ion:276 Resp: 103629
Ion Ratio Lower Upper
276 100
138 22.6 20.7 31.1
277 25.9 20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 10.298 ng m
RT: 15.015 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

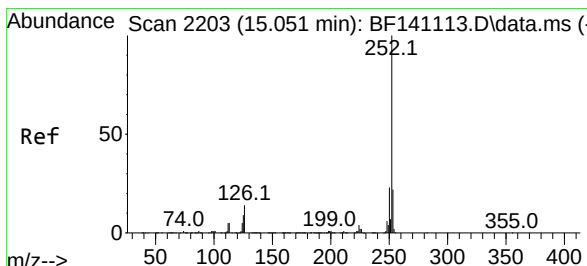
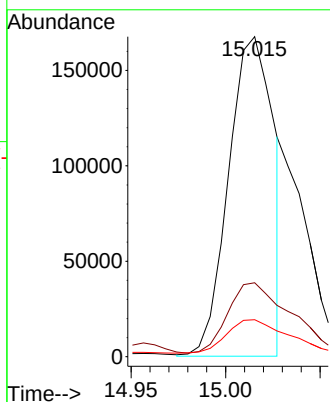
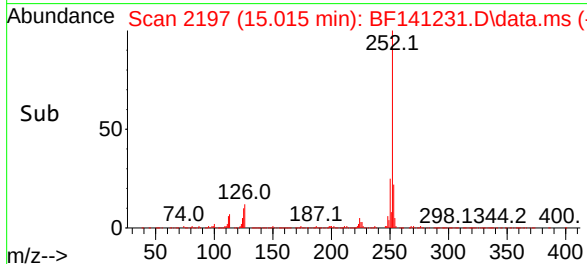
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025



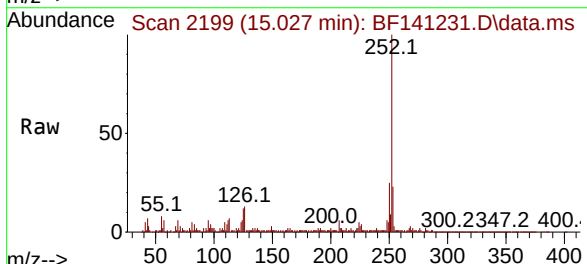
Tgt Ion:252 Resp: 27795
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.5 8.1 12.1

Manual Integrations
APPROVED

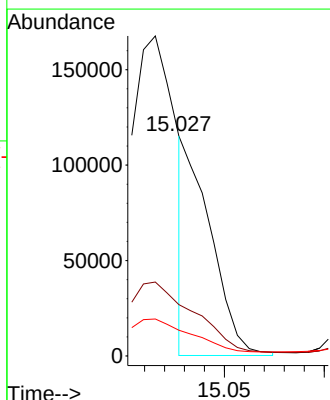
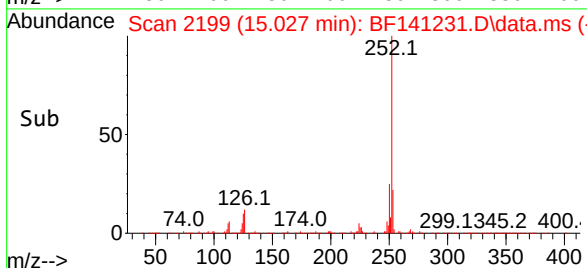
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

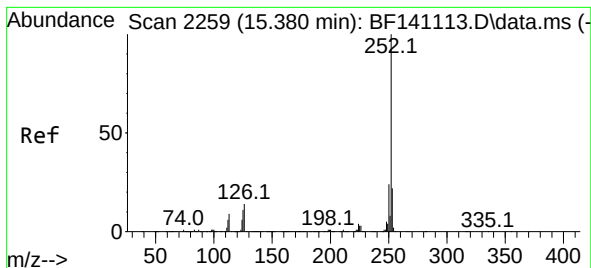


#89
Benzo(k)fluoranthene
Concen: 4.503 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09



Tgt Ion:252 Resp: 102709
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.7 7.9 11.9





#90

Benzo(a)pyrene

Concen: 8.534 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

Tgt Ion:252 Resp: 19004

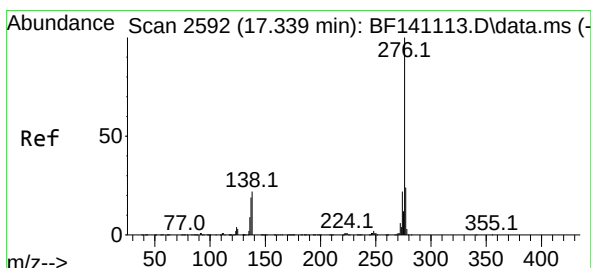
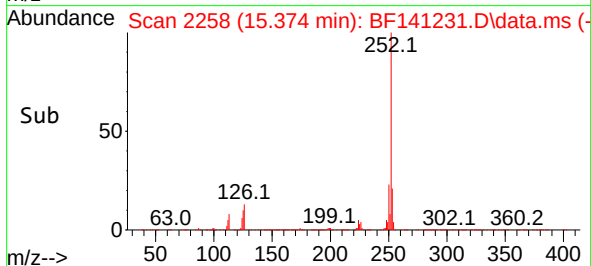
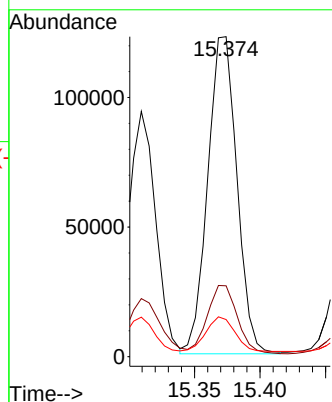
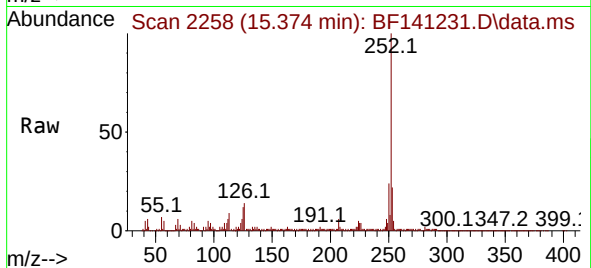
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.6	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#92

Benzo(g,h,i)perylene

Concen: 3.768 ng

RT: 17.309 min Scan# 2587

Delta R.T. -0.030 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Tgt Ion:276 Resp: 97199

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.0	28.4
138	21.1	17.4	26.2

