

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
 Data File : BF141223.D
 Acq On : 20 Jan 2025 15:32
 Operator : RC/JU
 Sample : Q1134-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-1-011725

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/21/2025
 Supervised By :mohammad ahmed 01/21/2025

Quant Time: Jan 20 16:03:44 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	6.810	152	176141	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	654737	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	312879	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	424926	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	330728	20.000	ng	-0.02
86) Perylene-d12	15.427	264	284129	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	180444	15.825	ng	-0.01
7) Phenol-d6	6.434	99	221391	15.328	ng	-0.01
23) Nitrobenzene-d5	7.369	82	138313	11.198	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	48505	13.606	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	266849	13.024	ng	-0.02
79) Terphenyl-d14	12.916	244	200200	8.997	ng	-0.02
Target Compounds						Qvalue
58) Fluorene	10.392	166	54855	2.748	ng	96
71) Phenanthrene	11.351	178	381250	16.712	ng	99
72) Anthracene	11.404	178	118249	5.331	ng	99
75) Fluoranthene	12.539	202	603223	26.498	ng	99
78) Pyrene	12.769	202	519596	16.449	ng	98
81) Benzo(a)anthracene	13.957	228	311045	13.819	ng	95
83) Chrysene	13.992	228	250788	11.908	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	121476	5.836	ng	# 94
88) Benzo(b)fluoranthene	15.010	252	347592m	18.972	ng	
89) Benzo(k)fluoranthene	15.027	252	91357m	5.900	ng	
90) Benzo(a)pyrene	15.368	252	222668	14.730	ng	98
92) Benzo(g,h,i)perylene	17.304	276	110797	6.327	ng	98

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

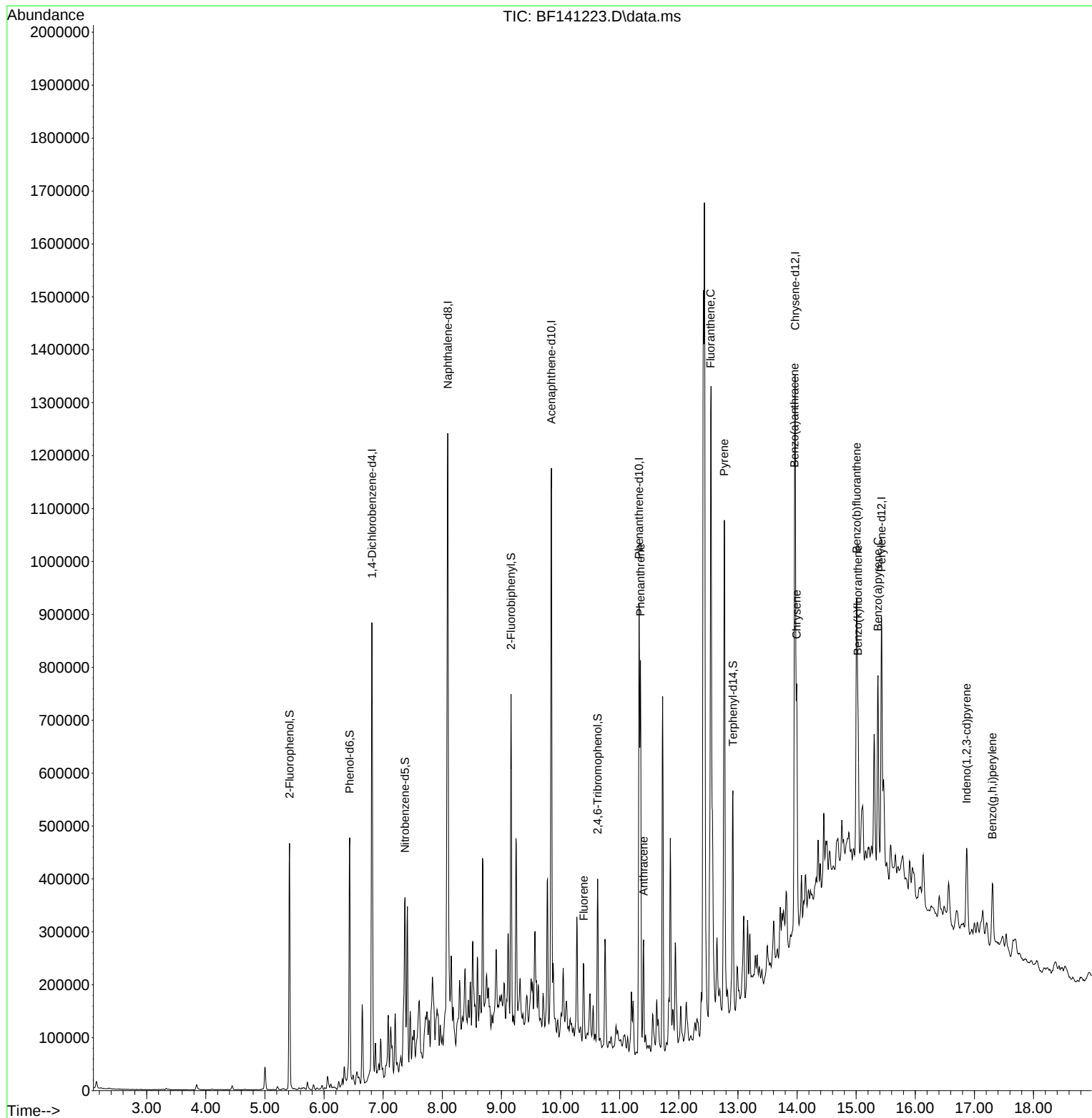
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141223.D
Acq On : 20 Jan 2025 15:32
Operator : RC/JU
Sample : Q1134-01 5X
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Instrument :
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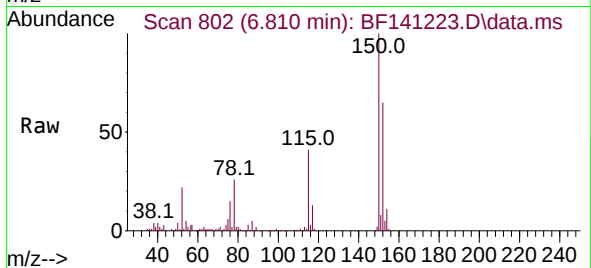
Quant Time: Jan 20 16:03:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 802
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

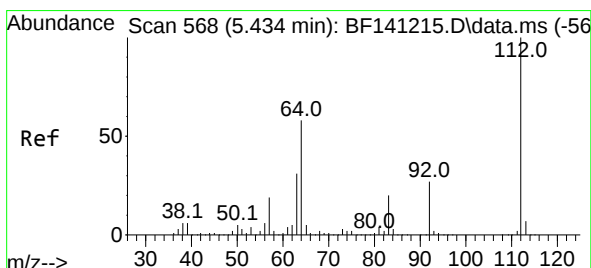
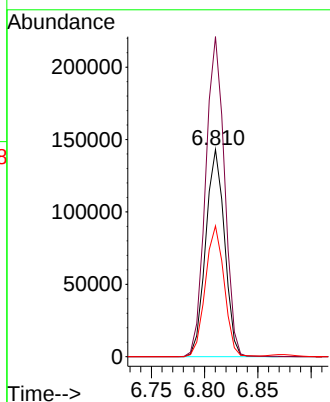
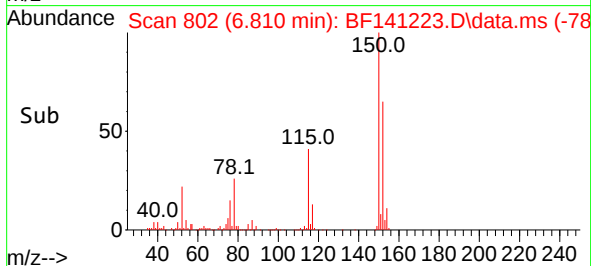
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



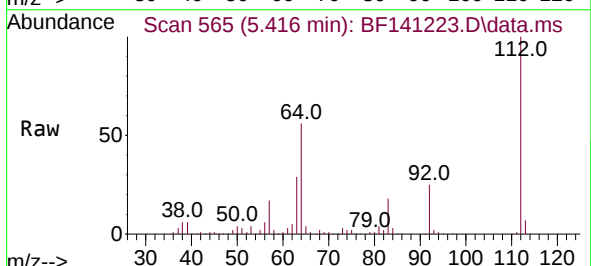
Tgt Ion:152 Resp: 17614
Ion Ratio Lower Upper
152 100
150 154.4 125.8 188.8
115 63.1 51.4 77.2

Manual Integrations
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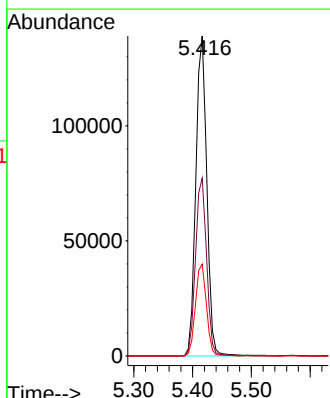
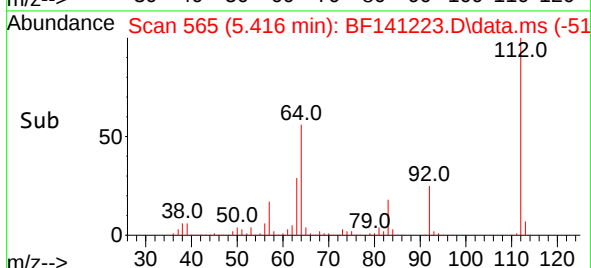
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

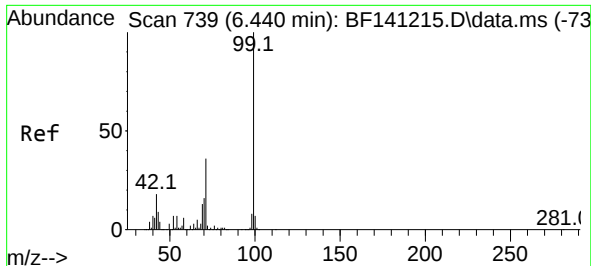


#5
2-Fluorophenol
Concen: 15.825 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32



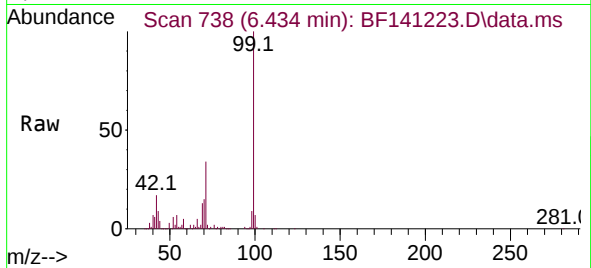
Tgt Ion:112 Resp: 180444
Ion Ratio Lower Upper
112 100
64 55.5 47.3 70.9
63 28.7 24.2 36.2





#7
Phenol-d6
Concen: 15.328 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

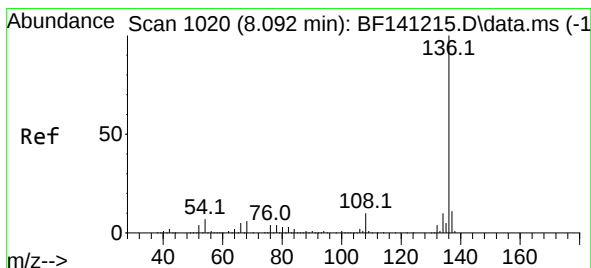
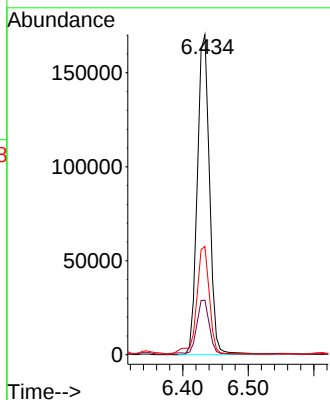
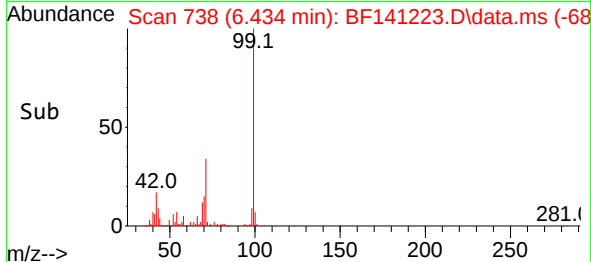
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



Tgt Ion: 99 Resp: 22139
Ion Ratio Lower Upper
99 100
42 17.0 15.0 22.4
71 33.9 27.6 41.4

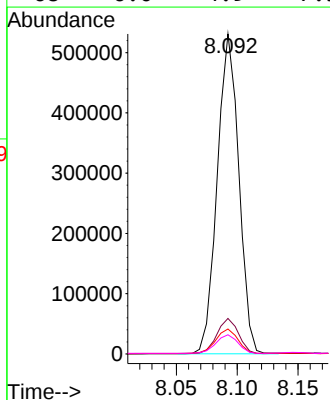
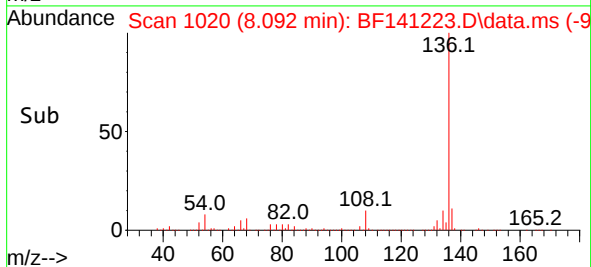
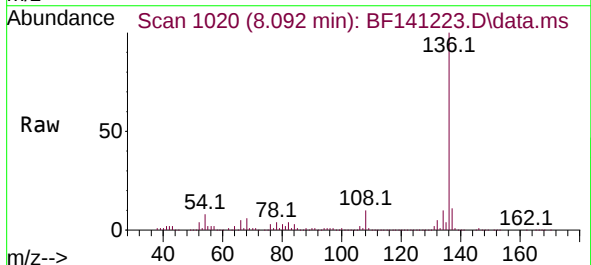
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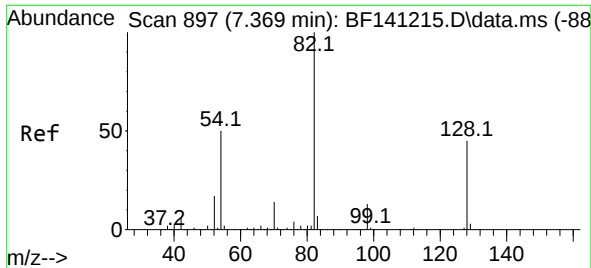
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:136 Resp: 654737
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.8 6.3 9.5
68 6.0 4.9 7.3





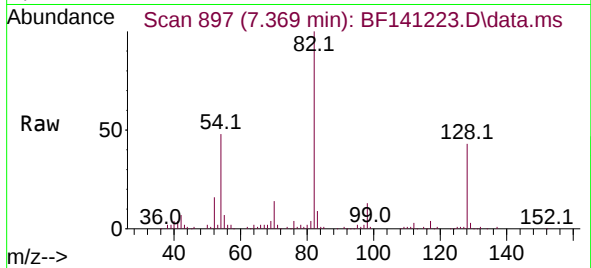
#23
Nitrobenzene-d5
Concen: 11.198 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

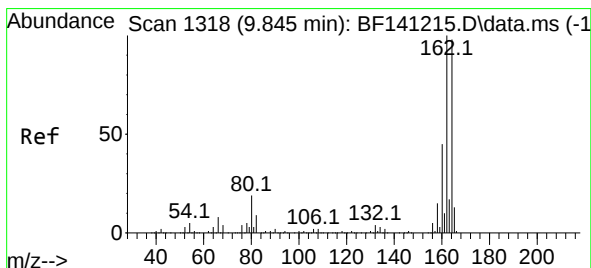
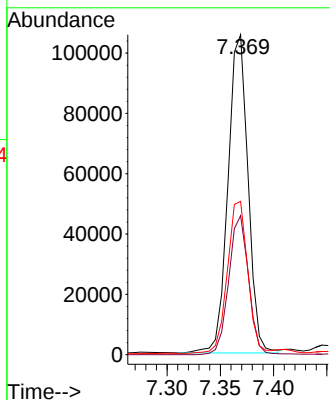
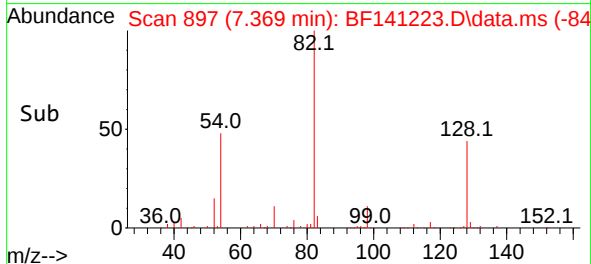
EO-1-011725



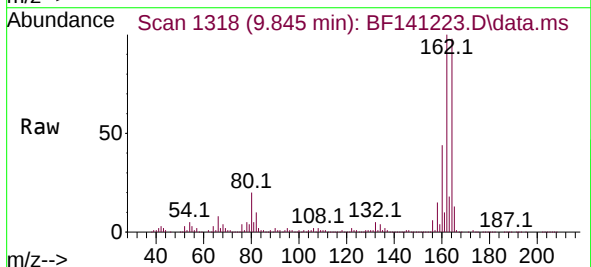
Tgt Ion: 82 Resp: 13831
Ion Ratio Lower Upper
82 100
128 43.4 36.1 54.1
54 47.9 41.0 61.4

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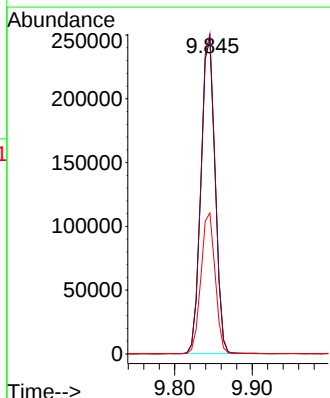
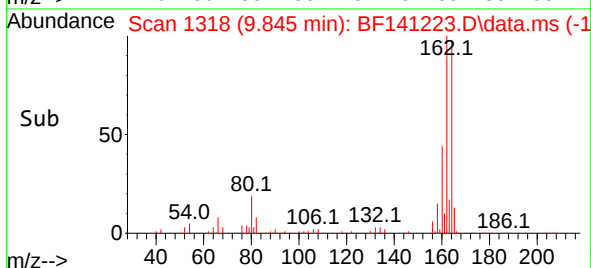
Reviewed By :Yogesh Patel 01/21/2025
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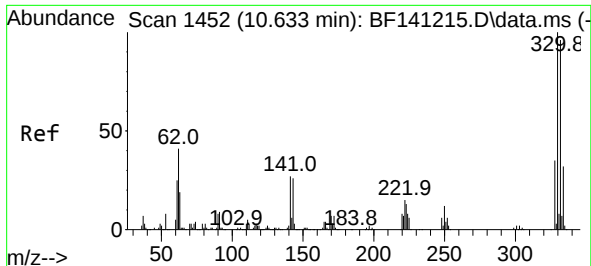


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32



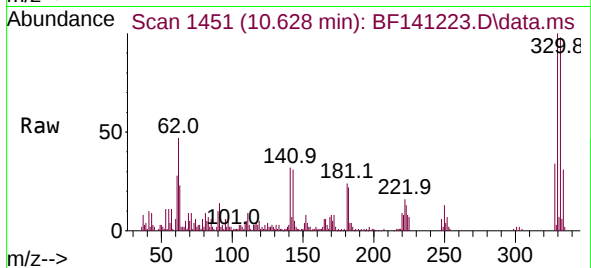
Tgt Ion:164 Resp: 312879
Ion Ratio Lower Upper
164 100
162 101.7 81.0 121.4
160 44.8 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 13.606 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.023 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

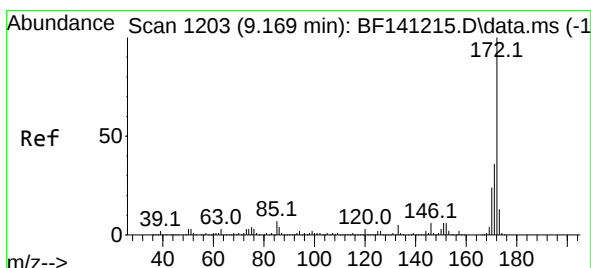
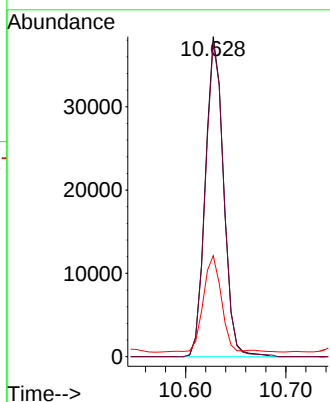
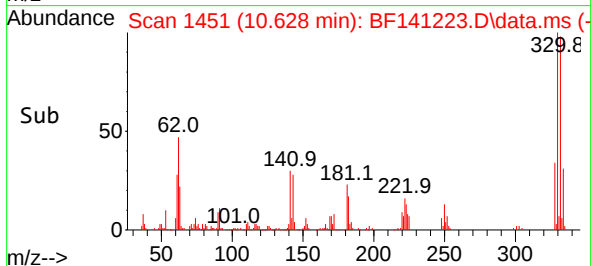
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



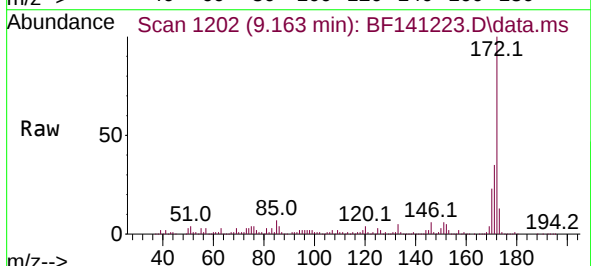
Tgt Ion: 330 Resp: 4850
Ion Ratio Lower Upper
330 100
332 99.0 76.9 115.3
141 30.0 25.2 37.8

Manual Integrations
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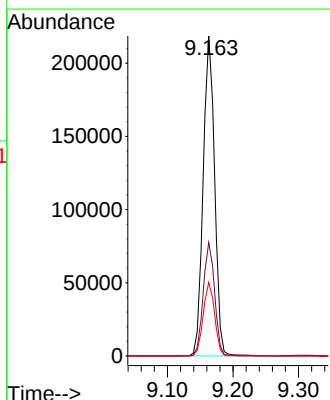
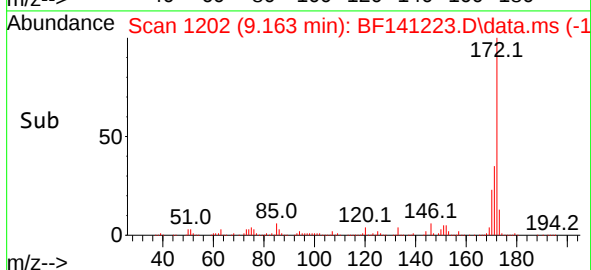
Reviewed By : Yogesh Patel 01/21/2025
Supervised By : mohammad ahmed 01/21/2025

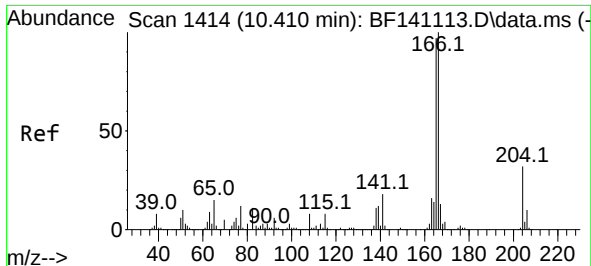


#45
2-Fluorobiphenyl
Concen: 13.024 ng
RT: 9.163 min Scan# 1202
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32



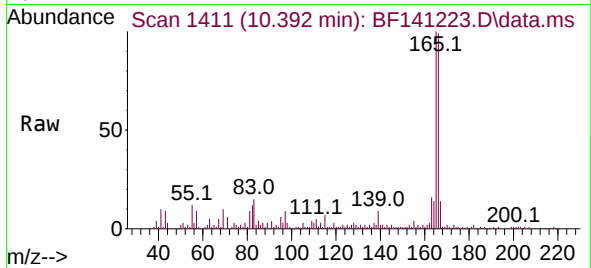
Tgt Ion: 172 Resp: 266849
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 22.9 19.0 28.6





#58
Fluorene
Concen: 2.748 ng
RT: 10.392 min Scan# 1414
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

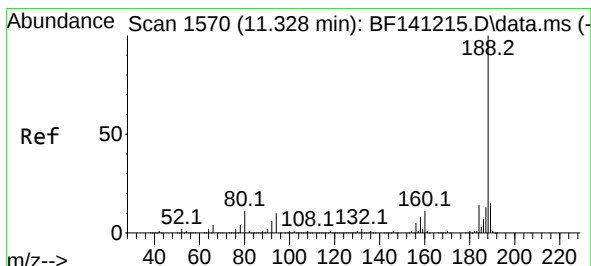
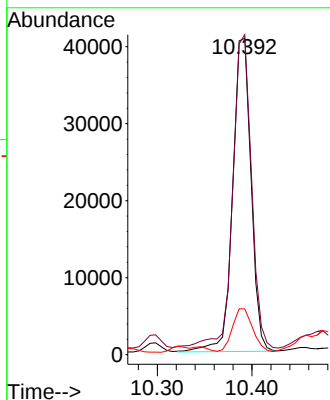
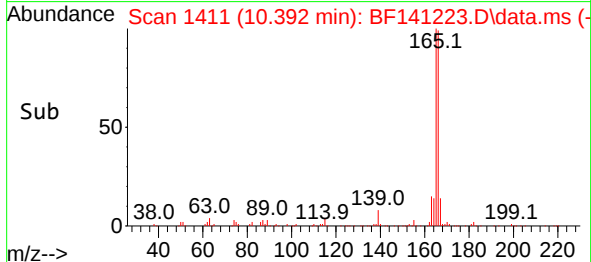
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



Tgt Ion:166 Resp: 5485
Ion Ratio Lower Upper
166 100
165 101.1 77.8 116.8
167 14.5 10.8 16.2

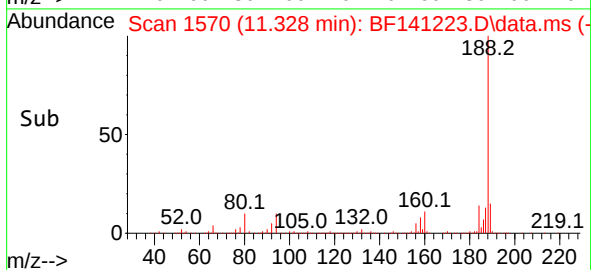
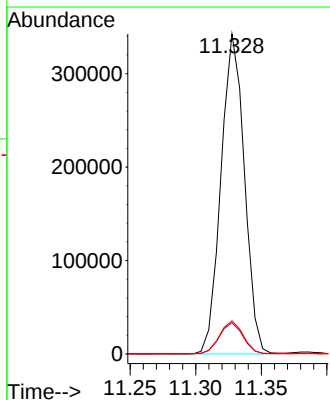
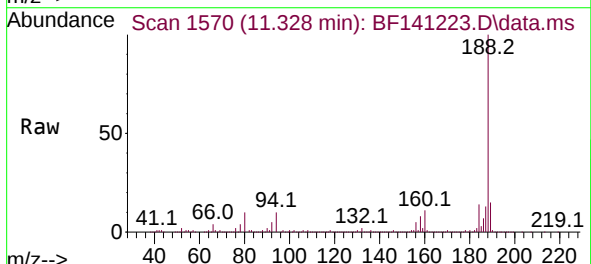
Manual Integrations
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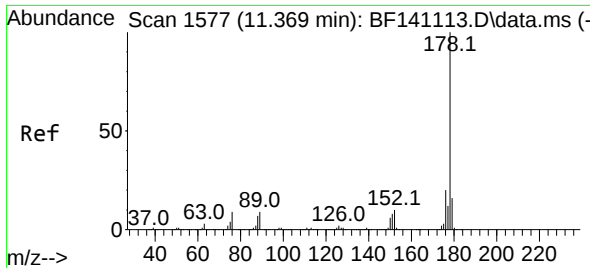
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

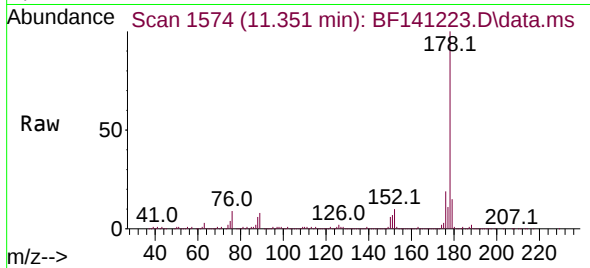
Tgt Ion:188 Resp: 424926
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.3 9.0 13.4





#71
Phenanthrene
Concen: 16.712 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

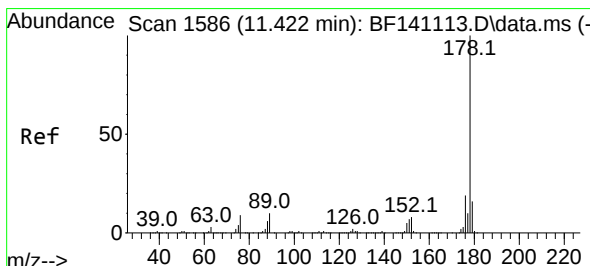
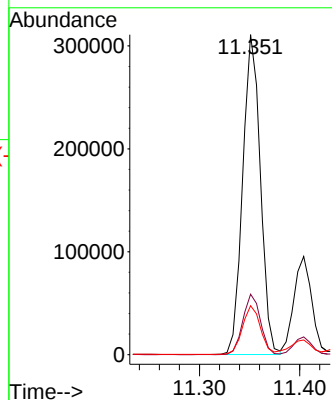
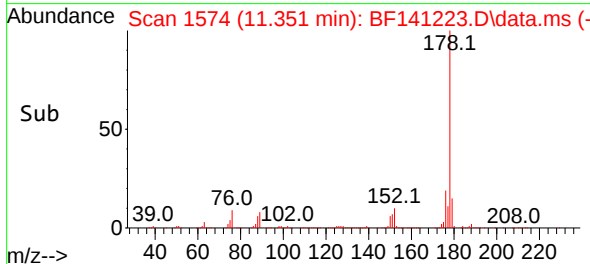
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



Tgt Ion:178 Resp: 381250
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.3 12.6 19.0

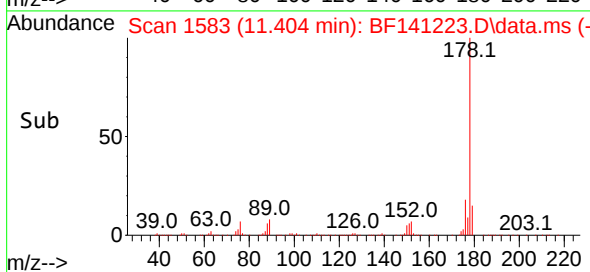
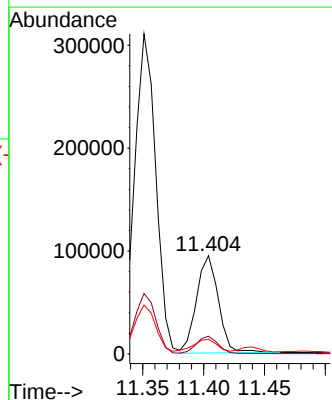
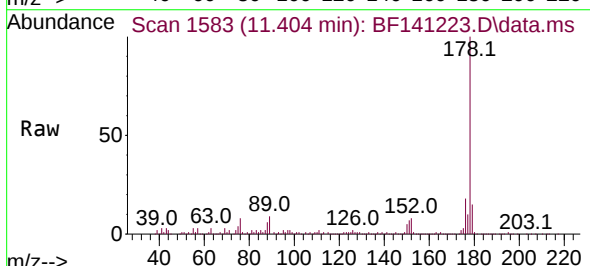
Manual Integrations
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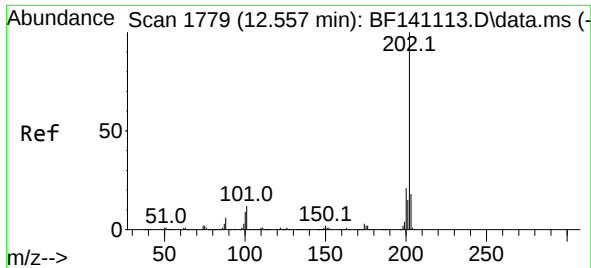
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#72
Anthracene
Concen: 5.331 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

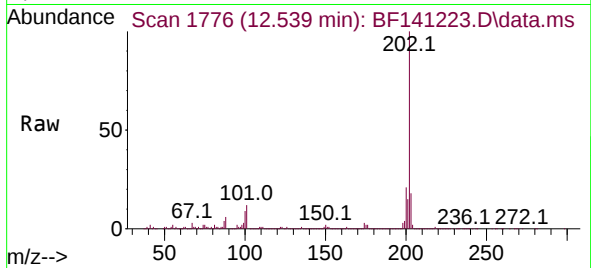
Tgt Ion:178 Resp: 118249
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 15.0 12.6 19.0





#75
Fluoranthene
Concen: 26.498 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

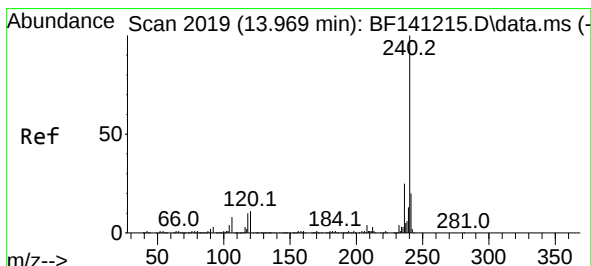
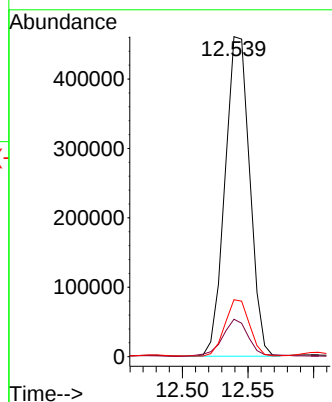
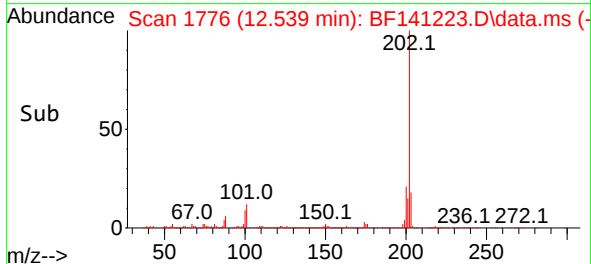
Instrument :
BNA_F
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EO-1-011725



Tgt Ion:202 Resp: 60322
Ion Ratio Lower Upper
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101 11.7 0.0 32.3
203 17.8 0.0 37.7

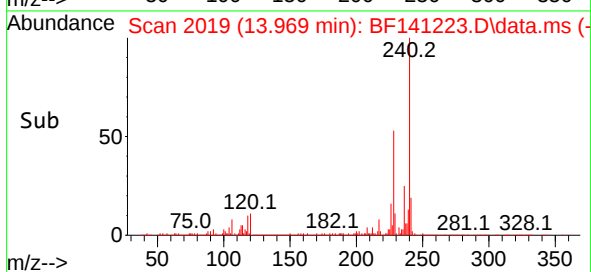
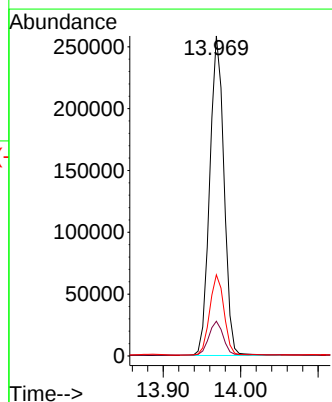
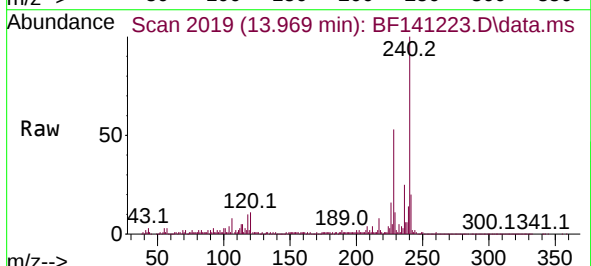
Manual Integrations
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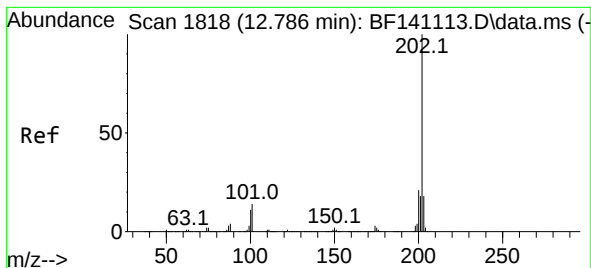
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:240 Resp: 330728
Ion Ratio Lower Upper
240 100
120 10.8 9.1 13.7
236 25.4 19.8 29.6





#78

Pyrene

Concen: 16.449 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

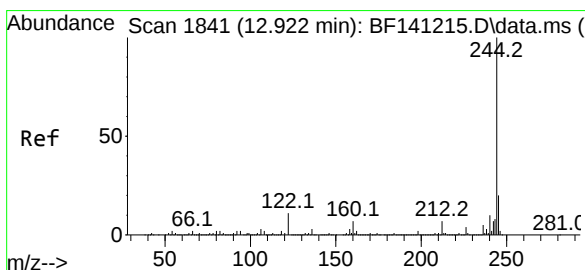
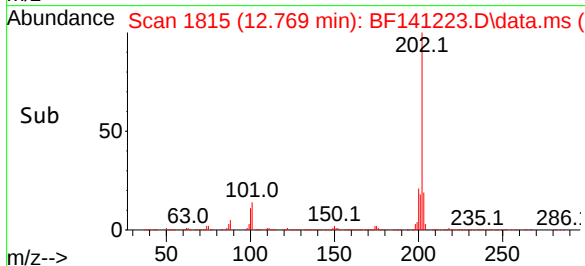
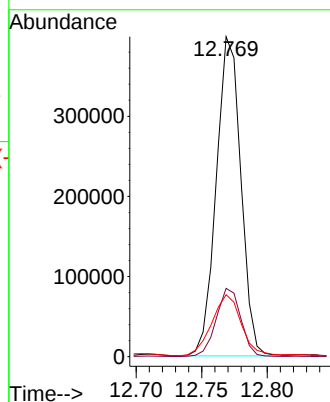
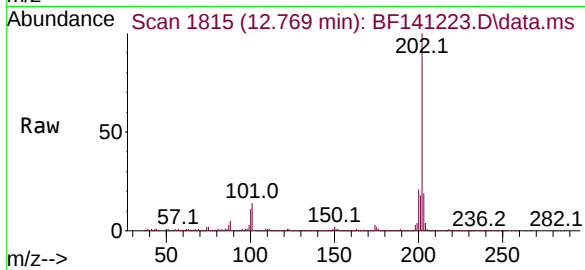
Tgt Ion:	202	Resp:	519590
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.8	25.2
203	19.4	14.3	21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#79

Terphenyl-d14

Concen: 8.997 ng

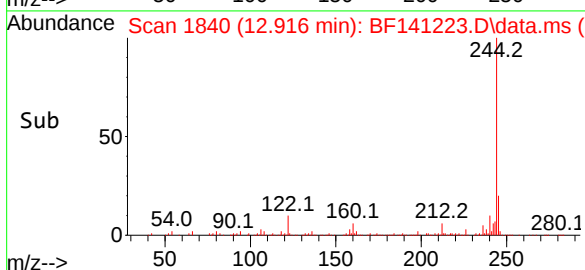
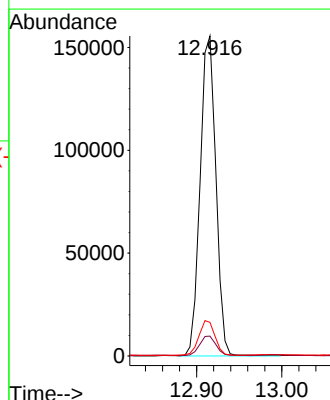
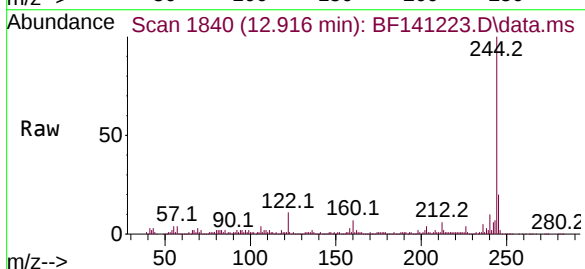
RT: 12.916 min Scan# 1840

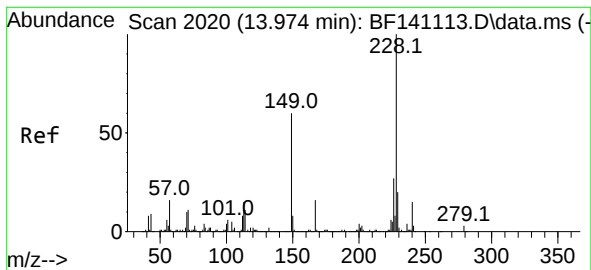
Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Tgt Ion:	244	Resp:	200200
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.2
122	10.5	8.8	13.2





#81

Benzo(a)anthracene

Concen: 13.819 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

Tgt Ion:228 Resp: 31104

Ion Ratio Lower Upper

228 100

226 29.6 21.7 32.5

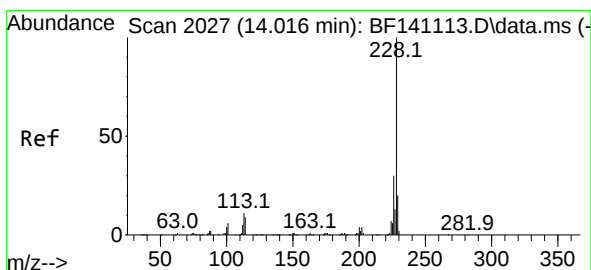
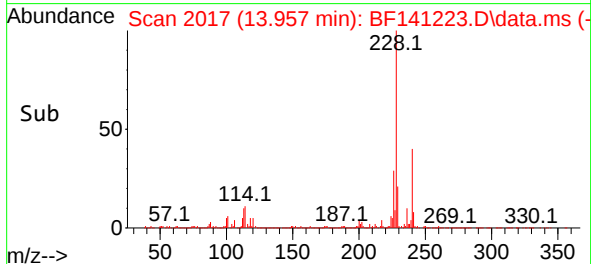
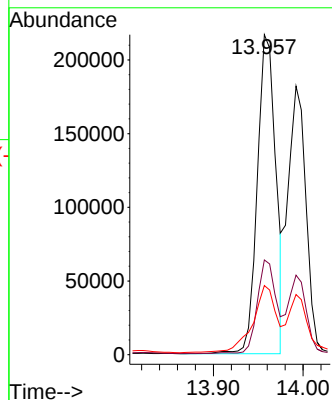
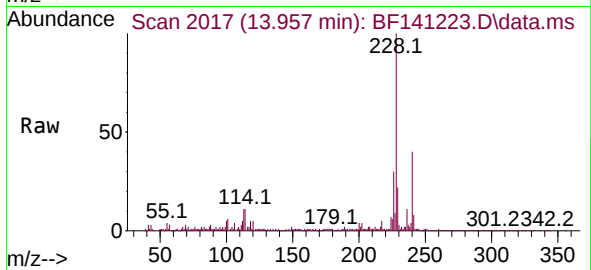
229 21.6 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#83

Chrysene

Concen: 11.908 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.023 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

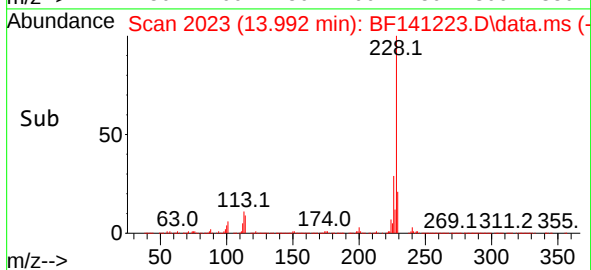
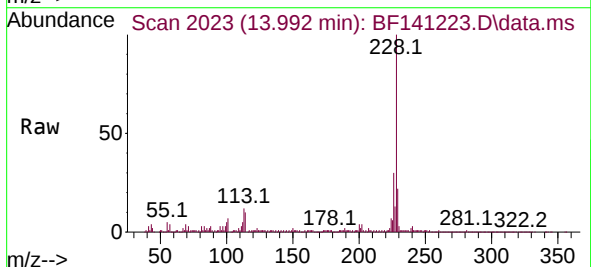
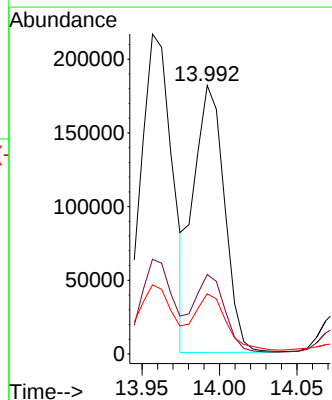
Tgt Ion:228 Resp: 250788

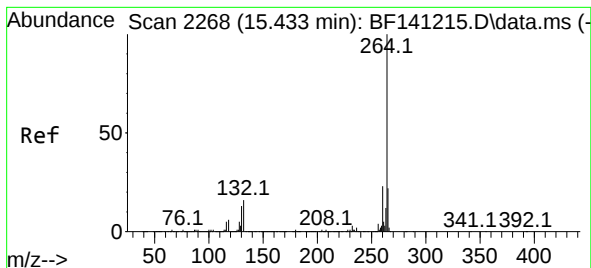
Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.8

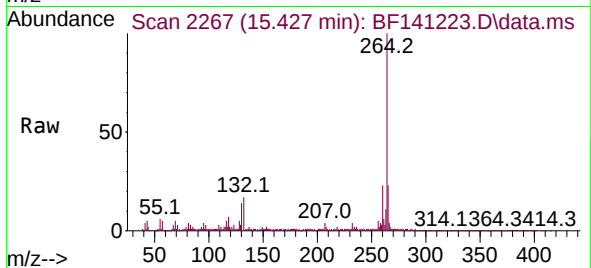
229 22.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

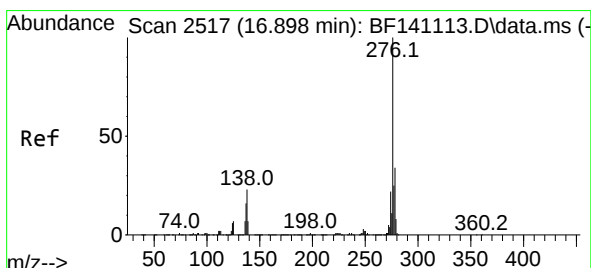
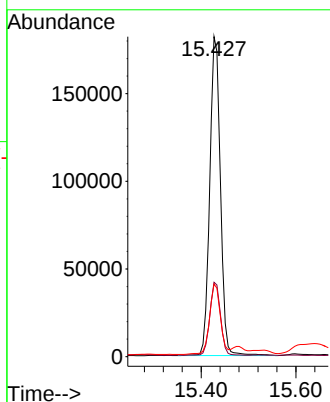
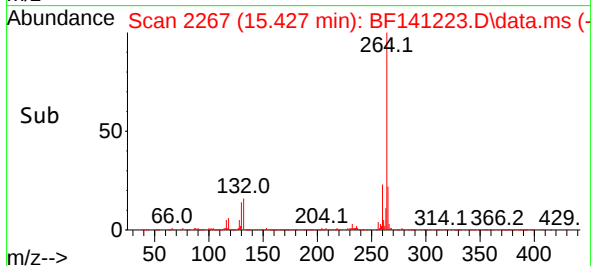
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



Tgt Ion:264 Resp: 284129
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 22.7 17.4 26.0

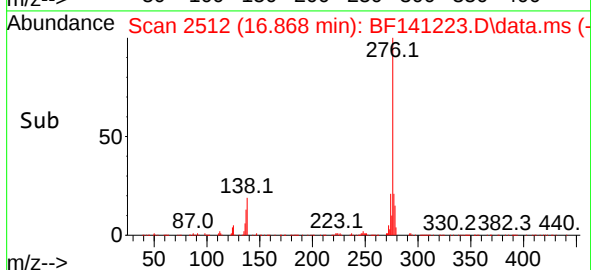
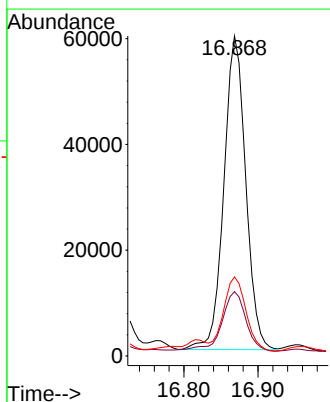
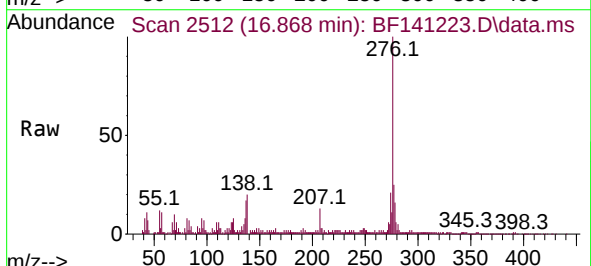
Manual Integrations
APPROVED

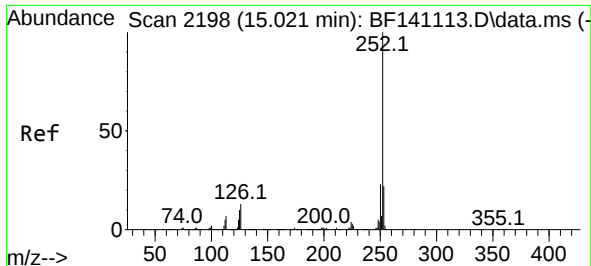
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.836 ng
RT: 16.868 min Scan# 2512
Delta R.T. -0.029 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

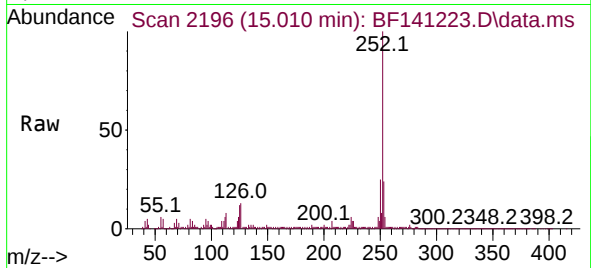
Tgt Ion:276 Resp: 121476
Ion Ratio Lower Upper
276 100
138 20.6 20.7 31.1#
277 24.4 20.6 30.8





#88
Benzo(b)fluoranthene
Concen: 18.972 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

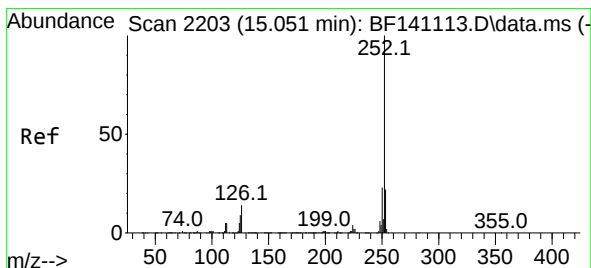
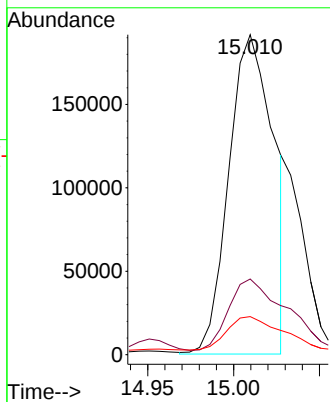
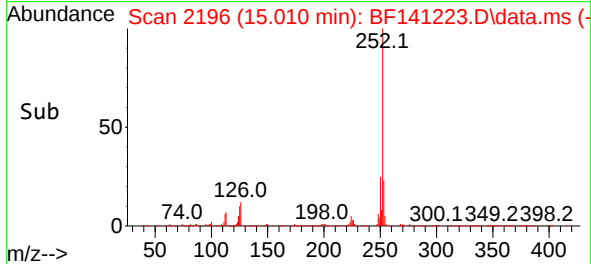
Instrument :
BNA_F
ClientSampleId :
EO-1-011725



Tgt Ion:252 Resp: 347592
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.6
125 11.9 8.1 12.1

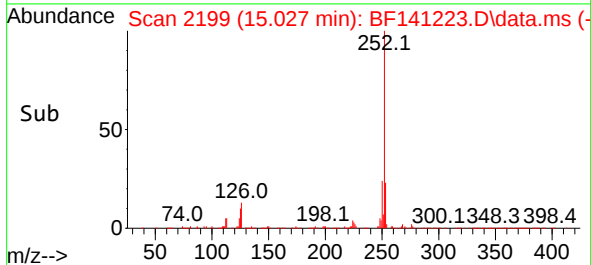
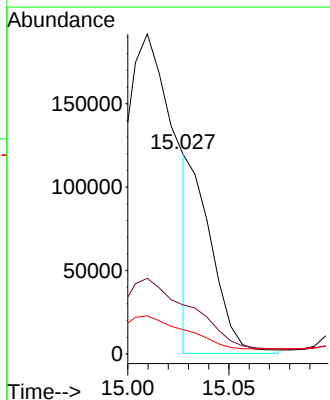
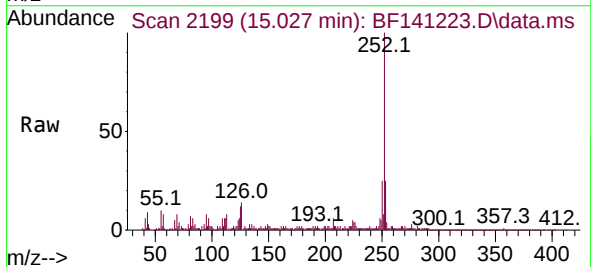
Manual Integrations
APPROVED

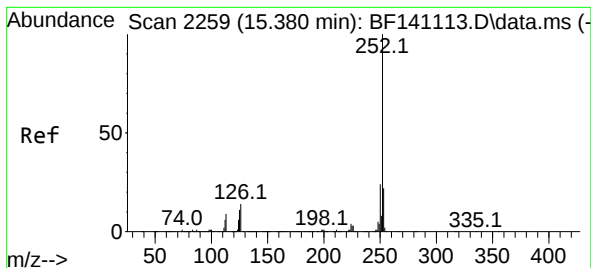
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#89
Benzo(k)fluoranthene
Concen: 5.900 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF141223.D
Acq: 20 Jan 2025 15:32

Tgt Ion:252 Resp: 91357
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.8
125 12.2 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 14.730 ng

RT: 15.368 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Instrument :

BNA_F

ClientSampleId :

EO-1-011725

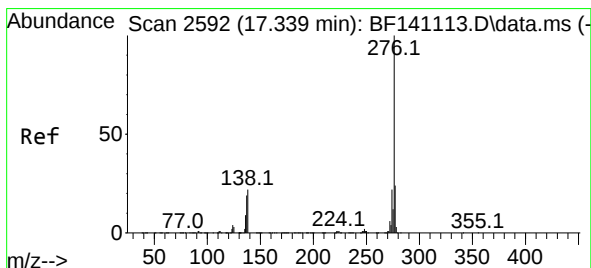
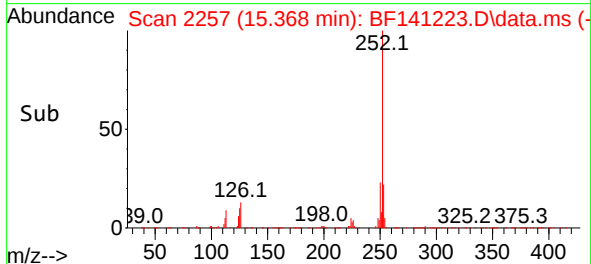
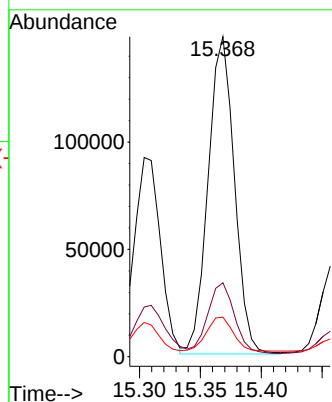
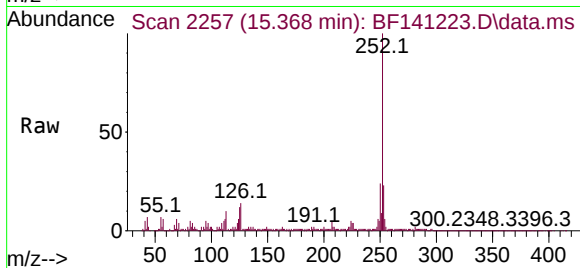
Tgt Ion:	252	Resp:	222668
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.7	26.5
125	12.4	9.1	13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/21/2025

Supervised By :mohammad ahmed 01/21/2025



#92

Benzo(g,h,i)perylene

Concen: 6.327 ng

RT: 17.304 min Scan# 2586

Delta R.T. -0.035 min

Lab File: BF141223.D

Acq: 20 Jan 2025 15:32

Tgt Ion:	276	Resp:	110797
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.0	28.4
138	22.7	17.4	26.2

