

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141157.D
 Acq On : 14 Jan 2025 20:23
 Operator : RC/JU
 Sample : Q1076-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/15/2025
 Supervised By :Jagrut Upadhyay 01/15/2025

Quant Time: Jan 15 00:14:25 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	6.822	152	163818	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	637241	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	301513	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	384971	20.000	ng	# 0.00
76) Chrysene-d12	13.986	240	319215	20.000	ng	0.00
86) Perylene-d12	15.451	264	356635	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	417696m	39.389	ng	0.05
7) Phenol-d6	6.475	99	785377m	58.467	ng	0.03
23) Nitrobenzene-d5	7.375	82	625993	52.073	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	223740	65.125	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1158085	58.652	ng	0.00
79) Terphenyl-d14	12.933	244	893496	41.602	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	494367	23.920	ng	97
72) Anthracene	11.421	178	220858m	10.990	ng	
75) Fluoranthene	12.563	202	1372112	66.528	ng	98
78) Pyrene	12.792	202	1224641	40.166	ng	97
81) Benzo(a)anthracene	13.980	228	657342	30.258	ng	97
83) Chrysene	14.015	228	485569	23.887	ng	97
84) Bis(2-ethylhexyl)phtha...	13.974	149	74468	6.105	ng	99
87) Indeno(1,2,3-cd)pyrene	16.892	276	127251	4.870	ng	96
88) Benzo(b)fluoranthene	15.027	252	499045m	21.700	ng	
89) Benzo(k)fluoranthene	15.039	252	249948m	12.861	ng	
90) Benzo(a)pyrene	15.386	252	345643	18.217	ng	97
92) Benzo(g,h,i)perylene	17.333	276	105947	4.		

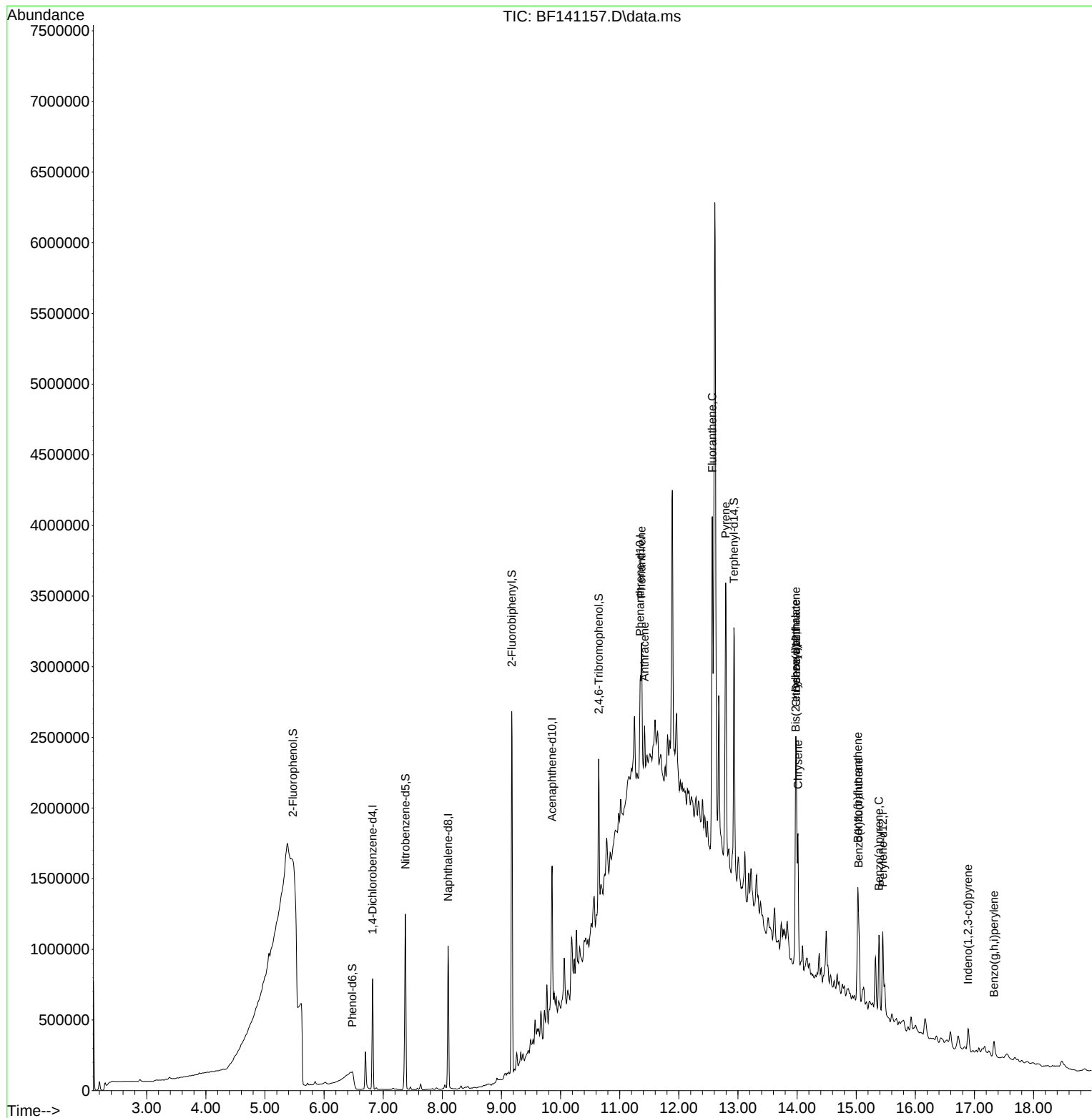
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Data File : BF141157.D
Acq On : 14 Jan 2025 20:23
Operator : RC/JU
Sample : Q1076-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

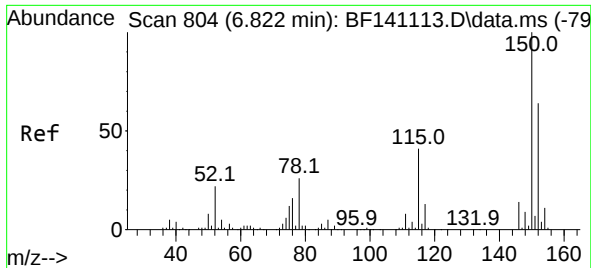
Instrument :
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Quant Time: Jan 15 00:14:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

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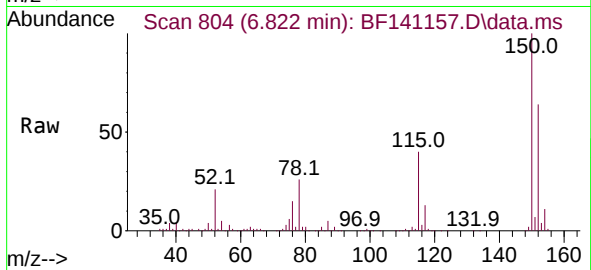
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

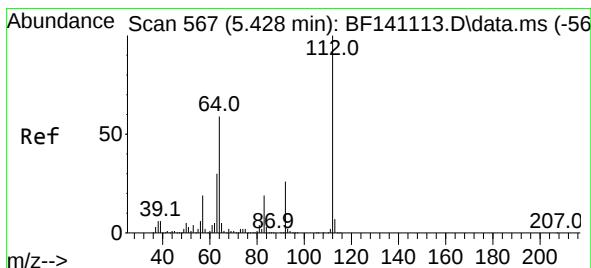
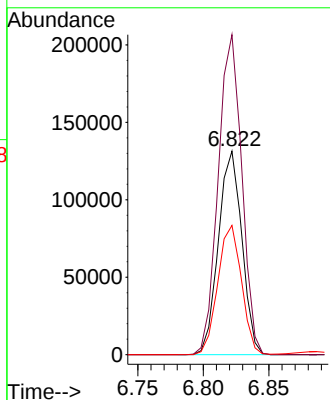
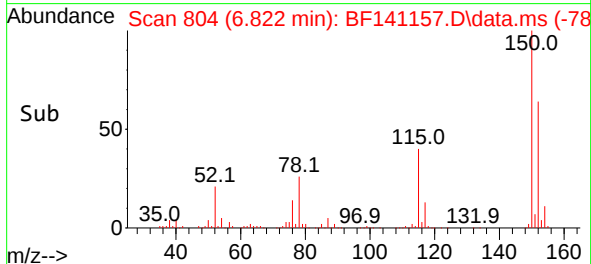
Instrument :
BNA_F
ClientSampleId :
ARS20-0006



Tgt Ion:152 Resp: 163818
Ion Ratio Lower Upper
152 100
150 157.3 125.8 188.8
115 63.5 51.4 77.2

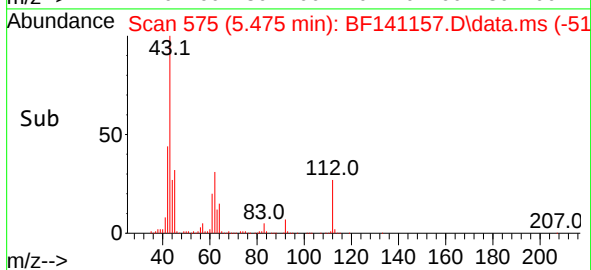
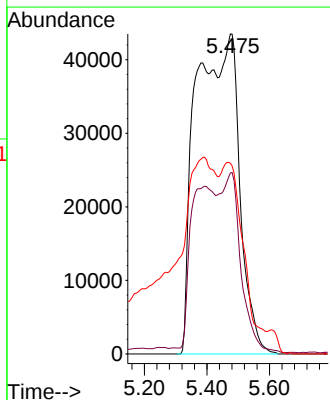
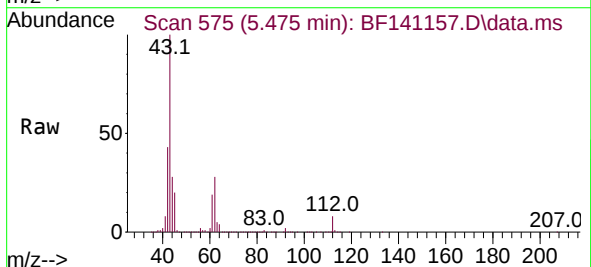
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#5
2-Fluorophenol
Concen: 39.389 ng m
RT: 5.475 min Scan# 575
Delta R.T. 0.047 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

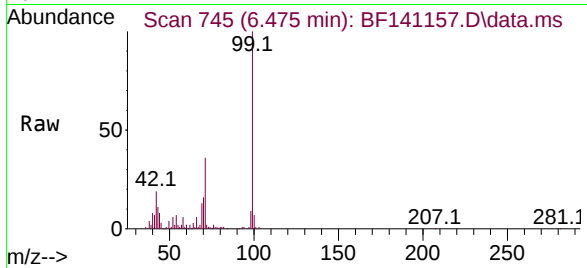
Tgt Ion:112 Resp: 417696
Ion Ratio Lower Upper
112 100
64 56.5 47.3 70.9
63 59.6 24.2 36.2#





#7
Phenol-d6
Concen: 58.467 ng m
RT: 6.475 min Scan# 740
Delta R.T. 0.029 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

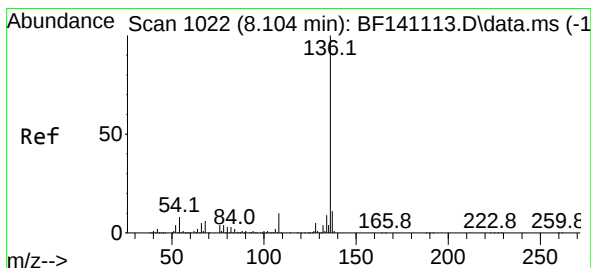
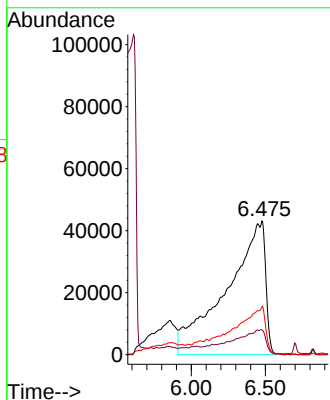
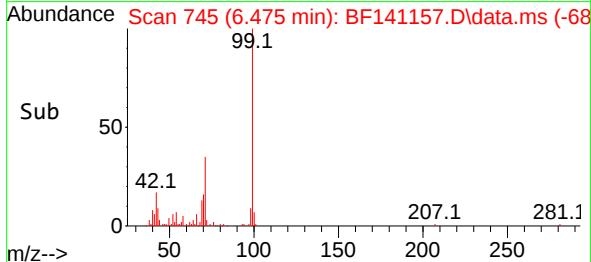
Instrument :
BNA_F
ClientSampleId :
ARS20-0006



Tgt Ion: 99 Resp: 78537
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 35.5 27.6 41.4

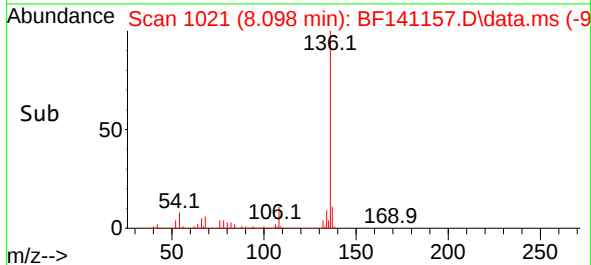
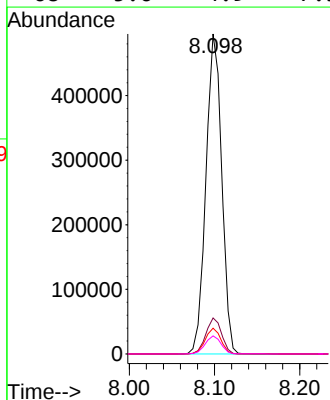
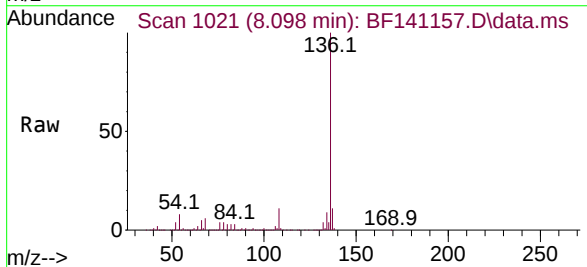
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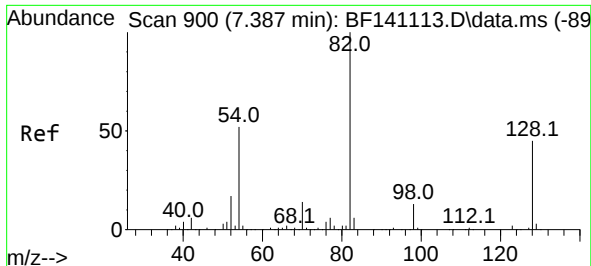
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion:136 Resp: 637241
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.1 6.3 9.5
68 5.6 4.9 7.3





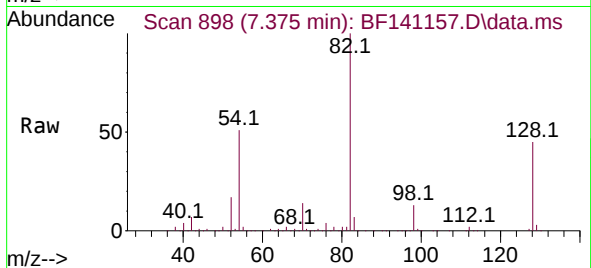
#23
Nitrobenzene-d5
Concen: 52.073 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

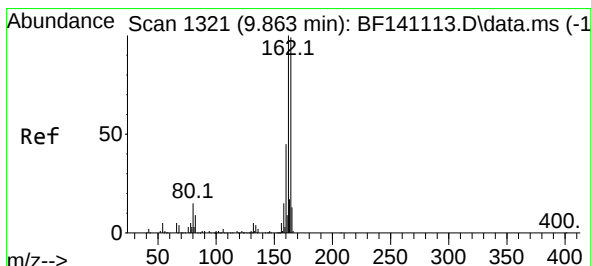
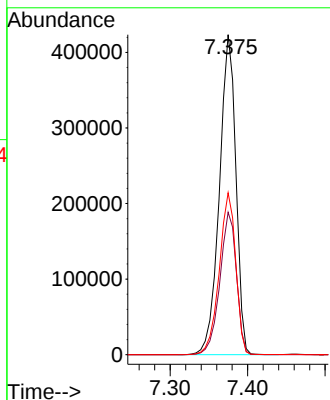
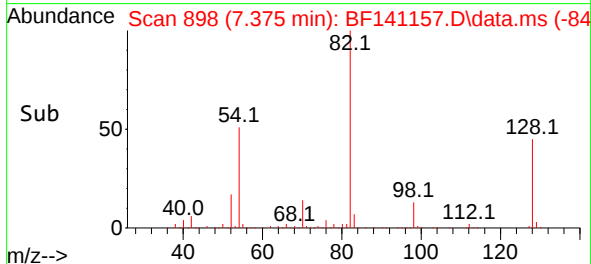


Tgt Ion: 82 Resp: 62599
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 50.6 41.0 61.4

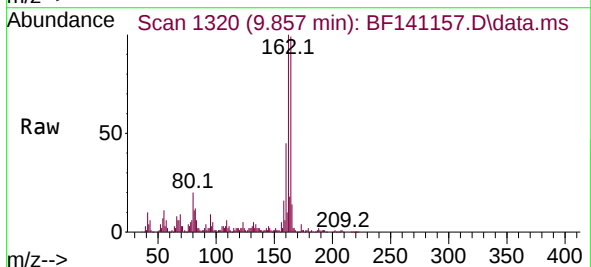
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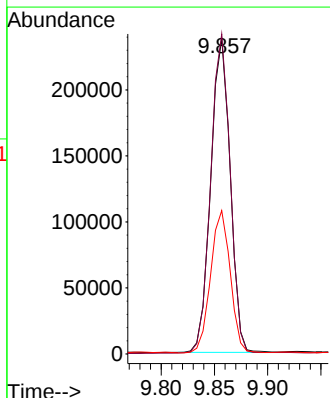
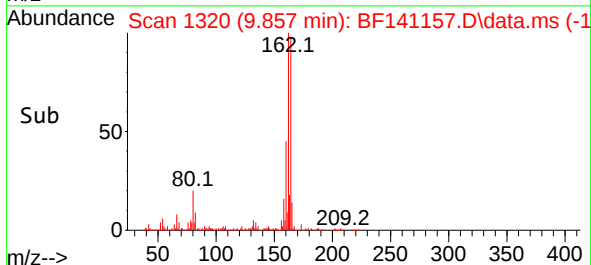
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025

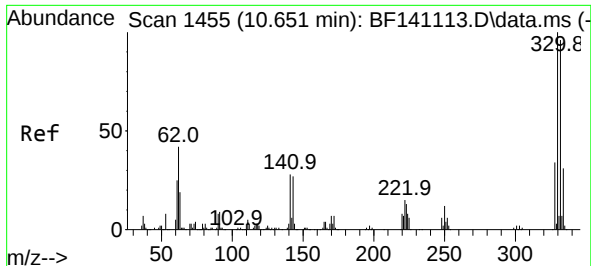


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23



Tgt Ion:164 Resp: 301513
Ion Ratio Lower Upper
164 100
162 101.5 81.0 121.4
160 45.5 36.1 54.1





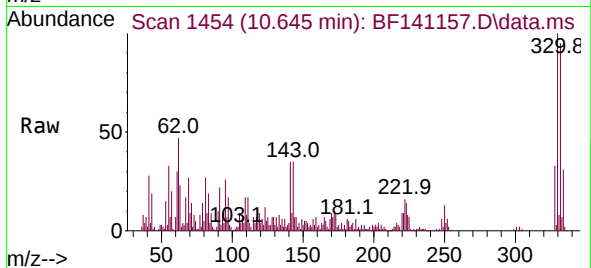
#42
2,4,6-Tribromophenol
Concen: 65.125 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006



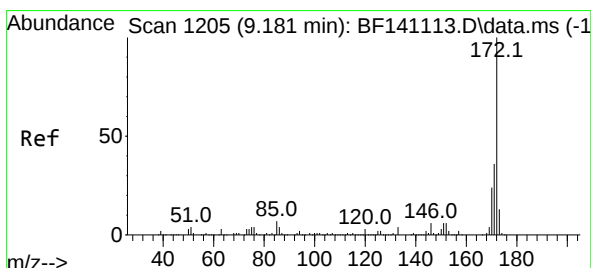
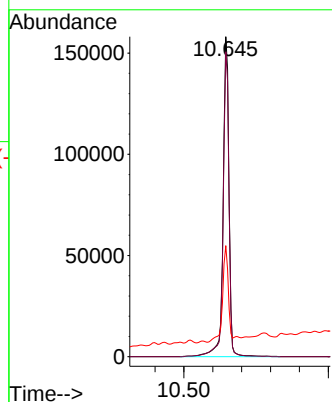
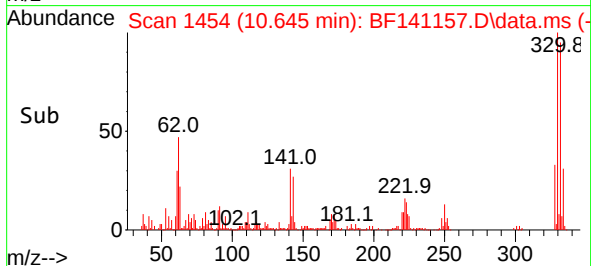
Tgt Ion:330 Resp: 223740
Ion Ratio Lower Upper
330 100
332 95.5 76.9 115.3
141 29.7 25.2 37.8

Manual Integrations

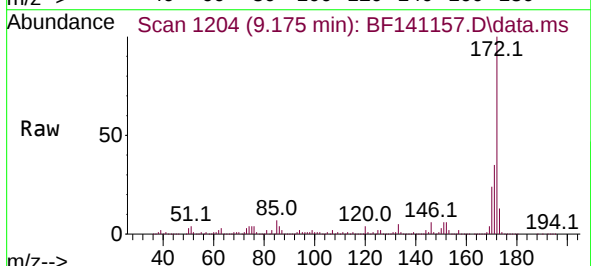
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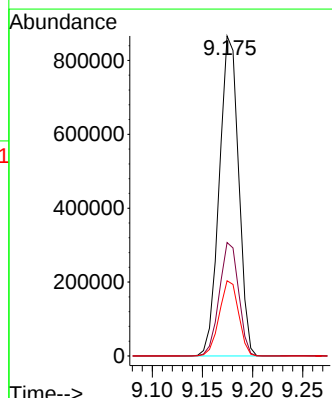
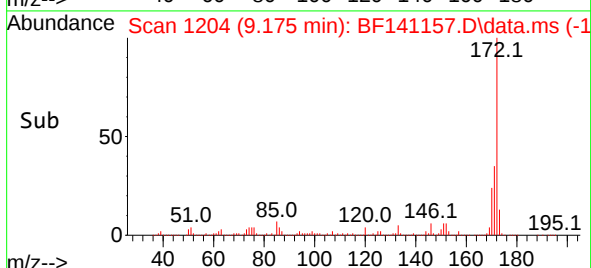
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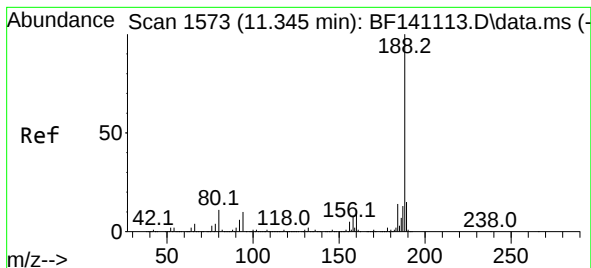


#45
2-Fluorobiphenyl
Concen: 58.652 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23



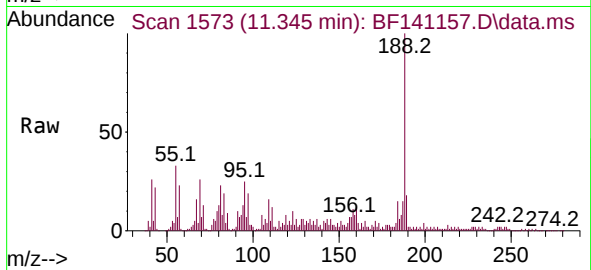
Tgt Ion:172 Resp: 1158085
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.5 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

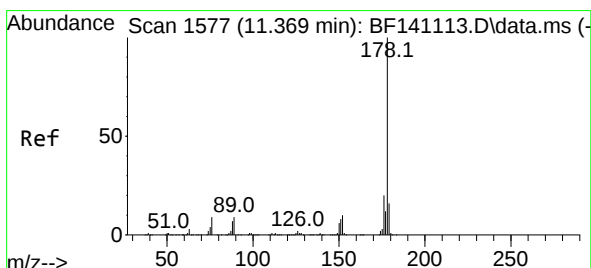
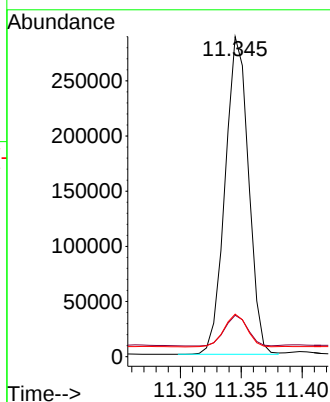
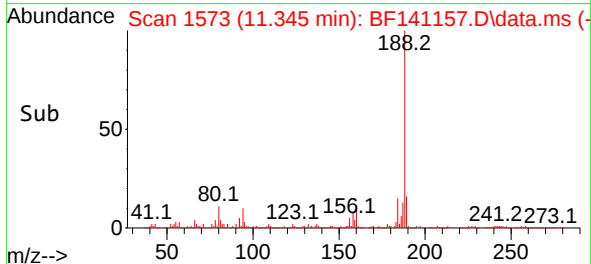
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ARS20-0006



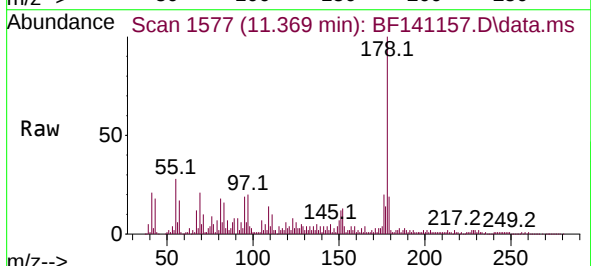
Tgt Ion:188 Resp: 38497
Ion Ratio Lower Upper
188 100
94 12.9 8.3 12.5
80 13.3 9.0 13.4

Manual Integrations
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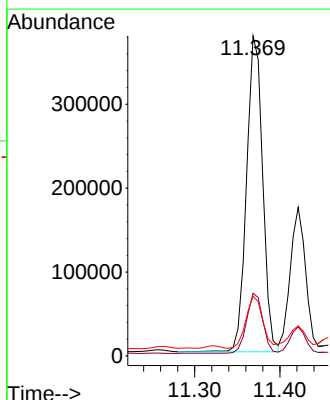
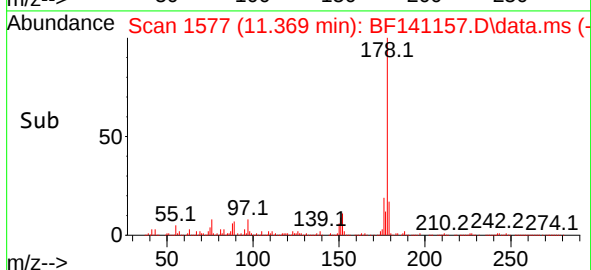
Reviewed By :Yogesh Patel 01/15/2025
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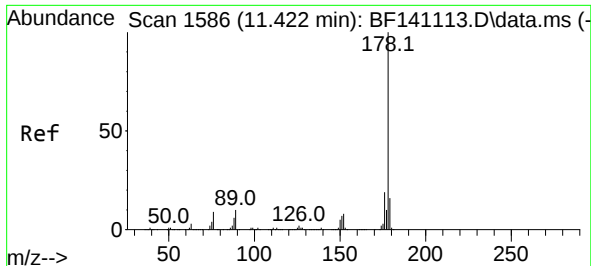


#71
Phenanthrene
Concen: 23.920 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23



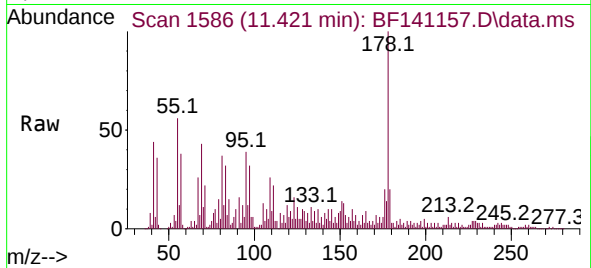
Tgt Ion:178 Resp: 494367
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 18.7 12.6 19.0





#72
 Anthracene
 Concen: 10.990 ng m
 RT: 11.421 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23

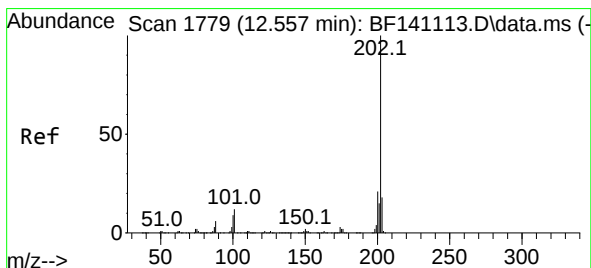
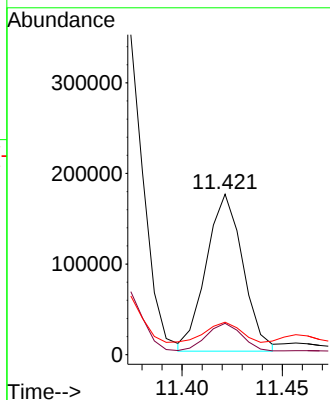
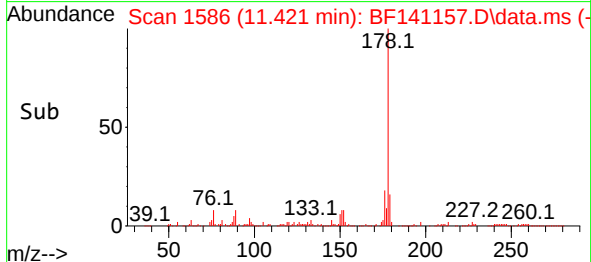
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 ARS20-0006



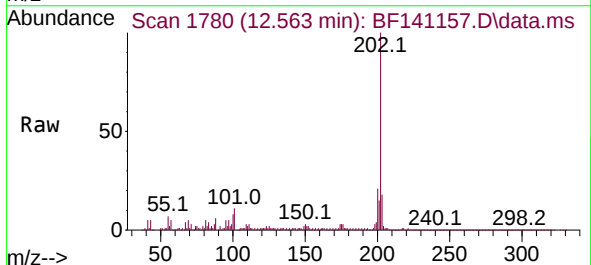
Tgt Ion:178 Resp: 220858
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.9 22.3
 179 20.3 12.6 19.0

Manual Integrations
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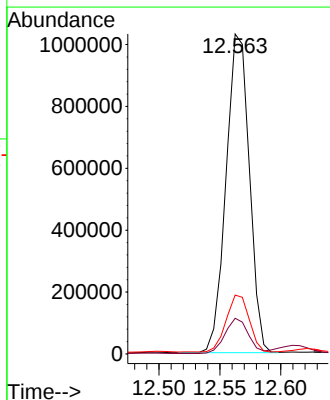
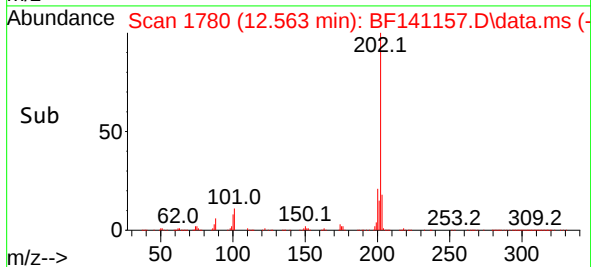
Reviewed By :Yogesh Patel 01/15/2025
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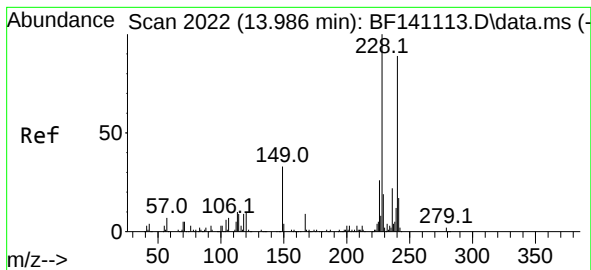


#75
 Fluoranthene
 Concen: 66.528 ng
 RT: 12.563 min Scan# 1780
 Delta R.T. 0.006 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23



Tgt Ion:202 Resp: 1372112
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 32.3
 203 18.4 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

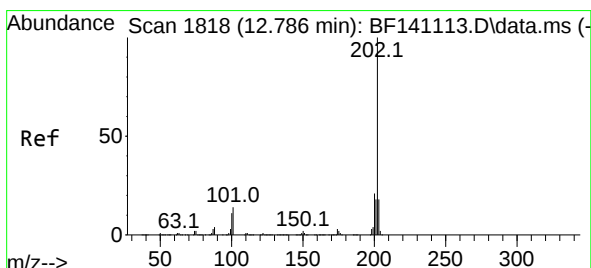
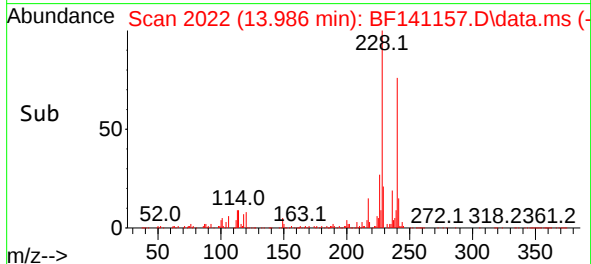
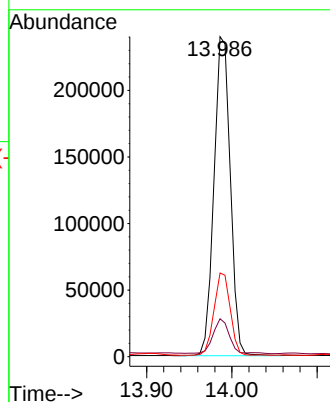
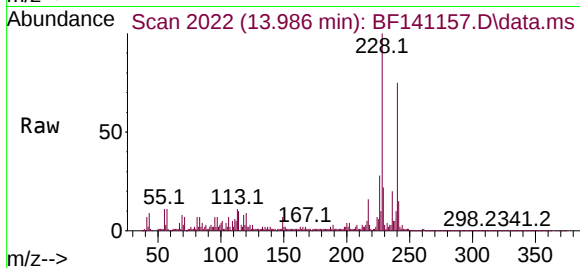
ARS20-0006

Tgt Ion:240 Resp: 319215
Ion Ratio Lower Upper
240 100
120 11.8 9.1 13.7
236 26.1 19.8 29.6

Manual Integrations

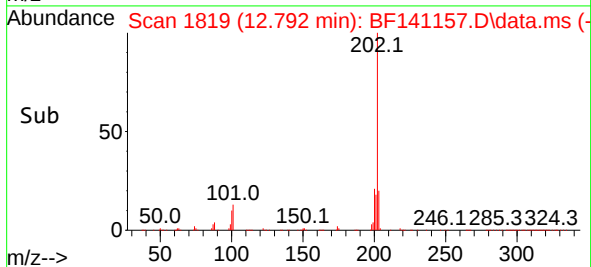
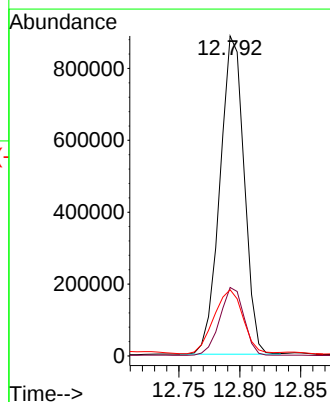
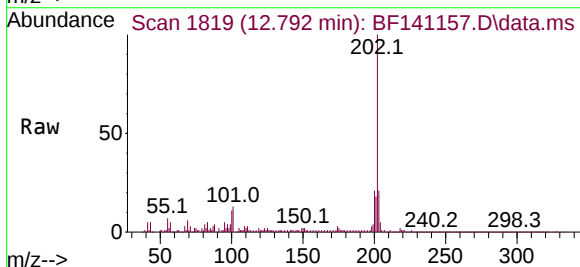
APPROVED

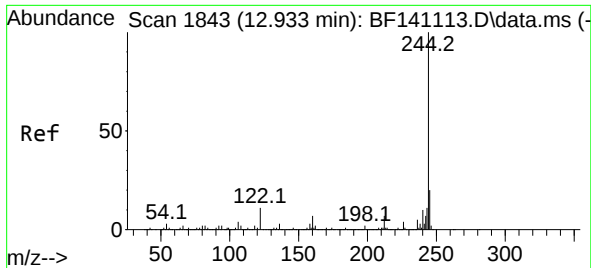
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#78
Pyrene
Concen: 40.166 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

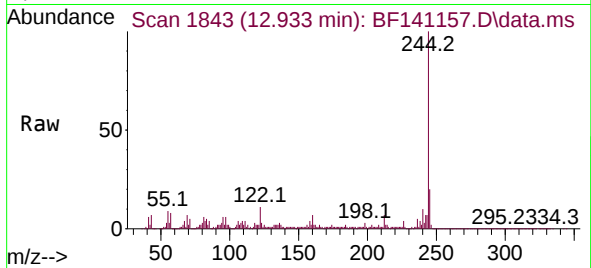
Tgt Ion:202 Resp: 1224641
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 20.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 41.602 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. -0.000 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23

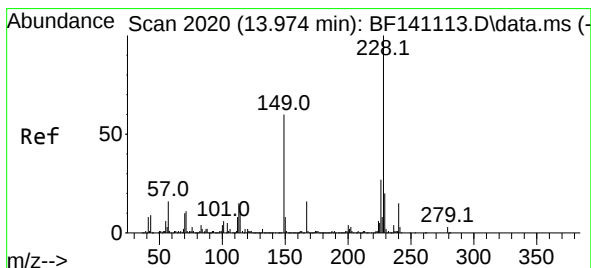
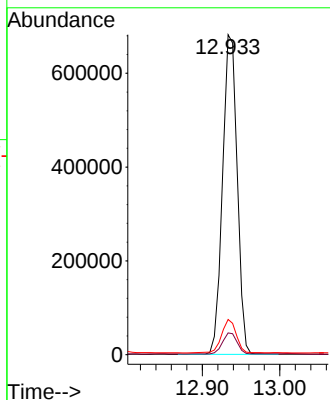
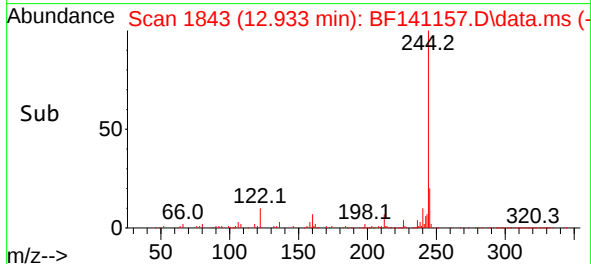
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006



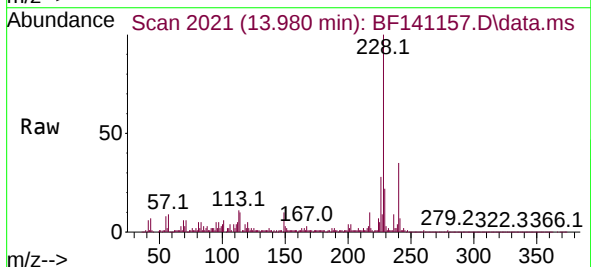
Tgt Ion:244 Resp: 893490
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.0 8.8 13.2

Manual Integrations
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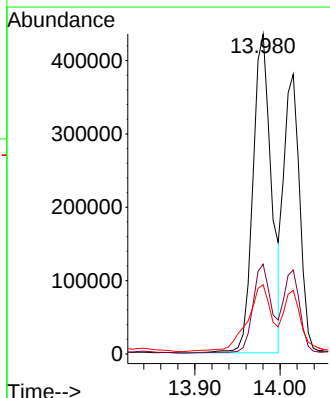
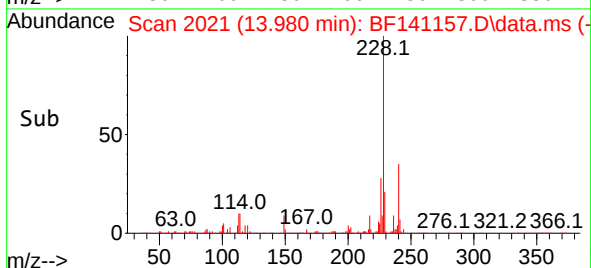
Reviewed By :Yogesh Patel 01/15/2025
 Supervised By :Jagrut Upadhyay 01/15/2025

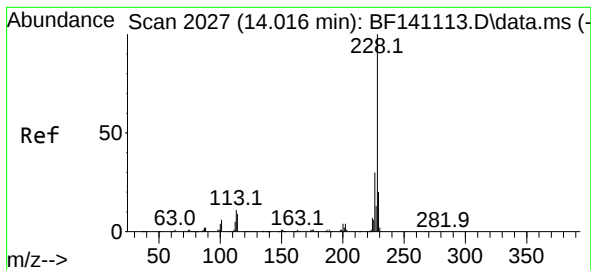


#81
 Benzo(a)anthracene
 Concen: 30.258 ng
 RT: 13.980 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: BF141157.D
 Acq: 14 Jan 2025 20:23



Tgt Ion:228 Resp: 657342
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.7 32.5
 229 21.6 15.7 23.5





#83

Chrysene

Concen: 23.887 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

Tgt Ion:228 Resp: 485569

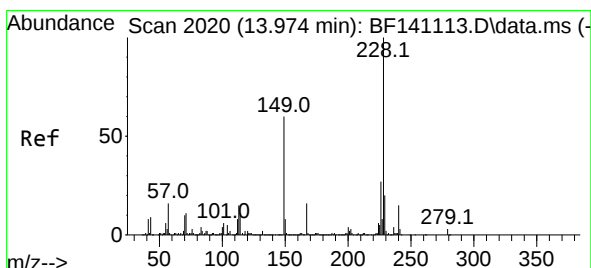
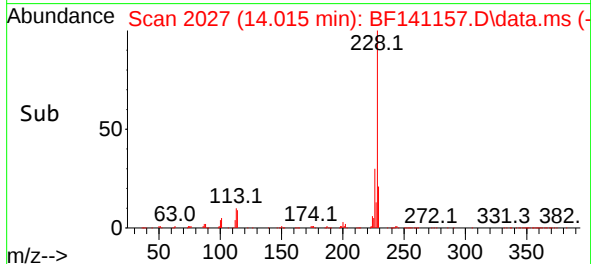
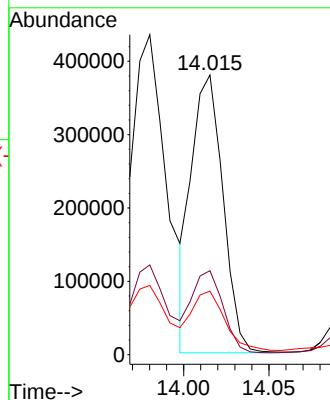
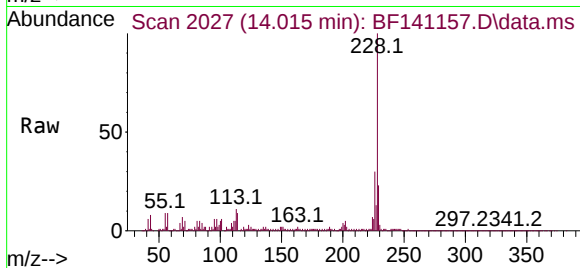
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	22.7	15.8	23.8

Manual Integrations

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Reviewed By :Yogesh Patel 01/15/2025

Supervised By :Jagrut Upadhyay 01/15/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.105 ng

RT: 13.974 min Scan# 2020

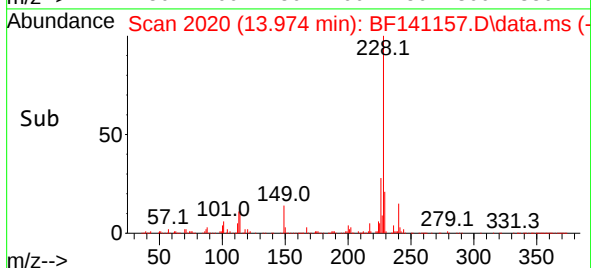
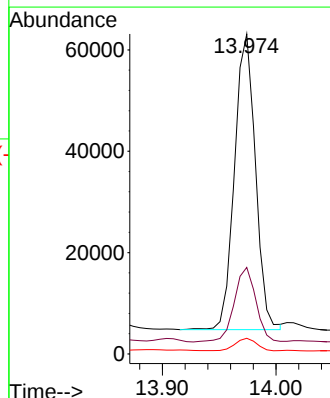
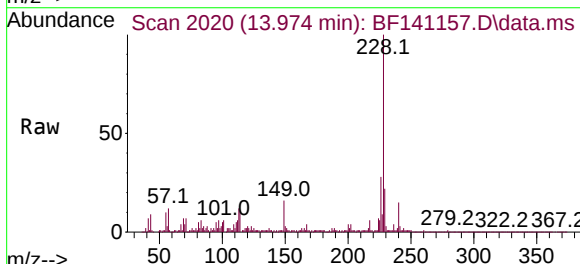
Delta R.T. -0.000 min

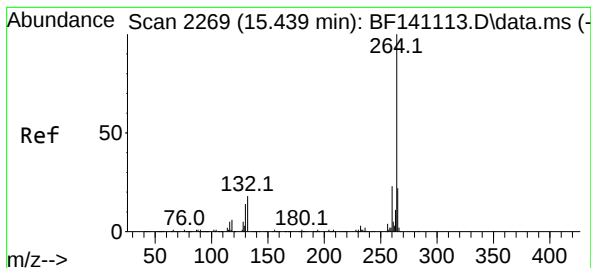
Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Tgt Ion:149 Resp: 74468

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.4	32.2
279	4.9	3.4	5.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

Tgt Ion:264 Resp: 35663

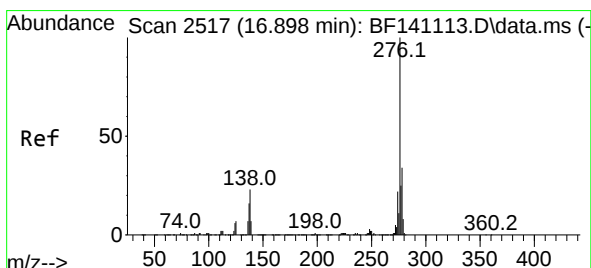
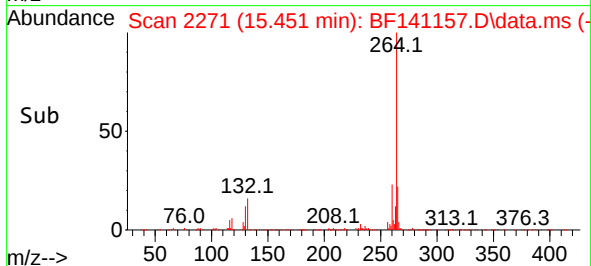
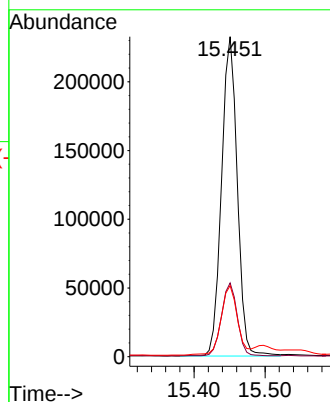
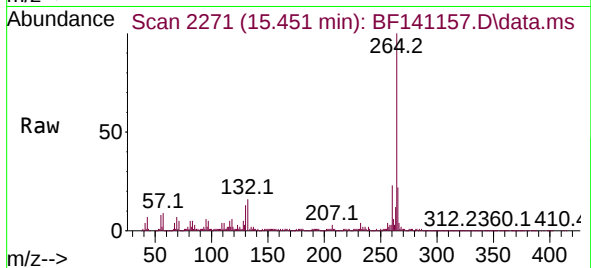
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.2	17.4	26.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/15/2025

Supervised By :Jagrut Upadhyay 01/15/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.870 ng

RT: 16.892 min Scan# 2516

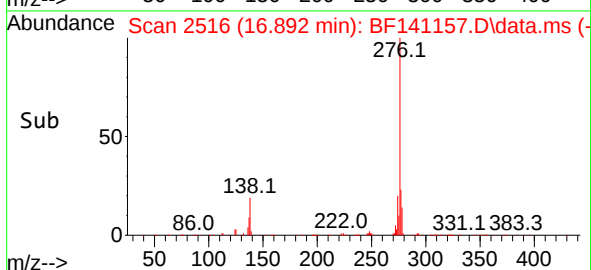
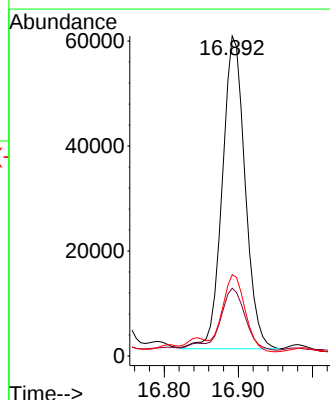
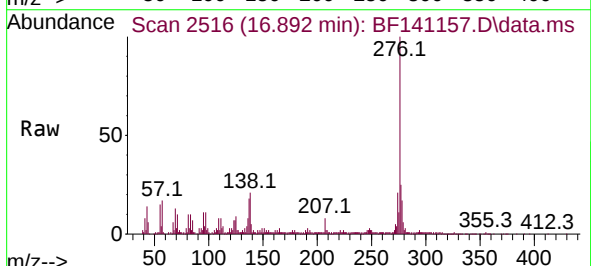
Delta R.T. -0.006 min

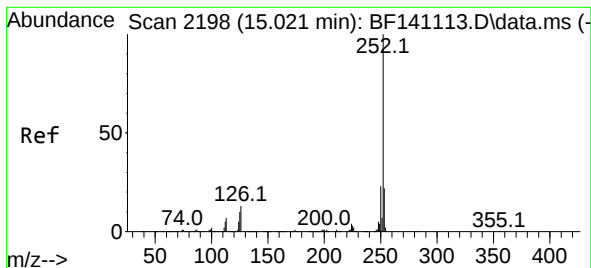
Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Tgt Ion:276 Resp: 127251

Ion	Ratio	Lower	Upper
276	100		
138	22.9	20.7	31.1
277	25.0	20.6	30.8





#88

Benzo(b)fluoranthene

Concen: 21.700 ng m

RT: 15.027 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

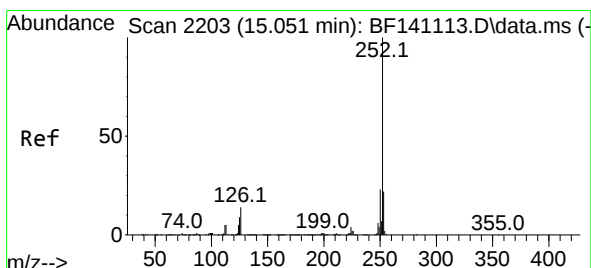
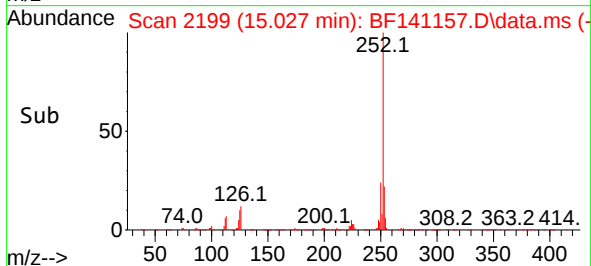
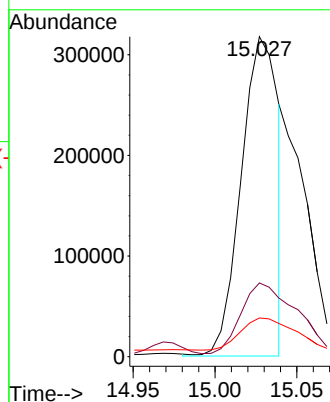
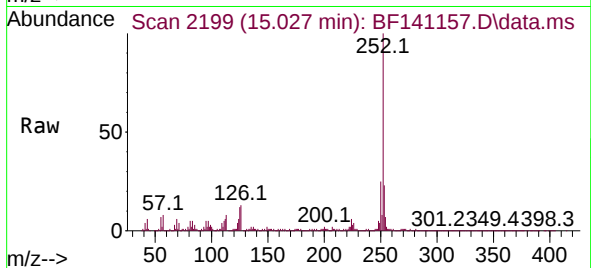
Tgt Ion:252 Resp: 499049
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.8 26.6
 125 12.1 8.1 12.1

Manual Integrations

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Reviewed By :Yogesh Patel 01/15/2025

Supervised By :Jagrut Upadhyay 01/15/2025



#89

Benzo(k)fluoranthene

Concen: 12.861 ng m

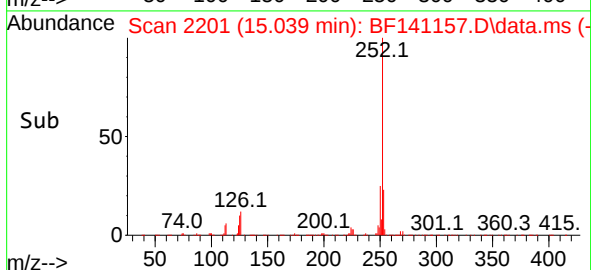
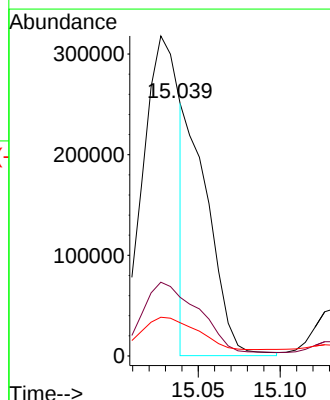
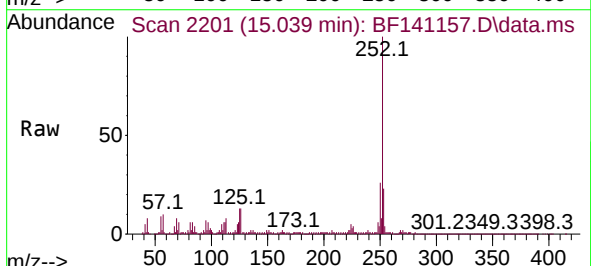
RT: 15.039 min Scan# 2201

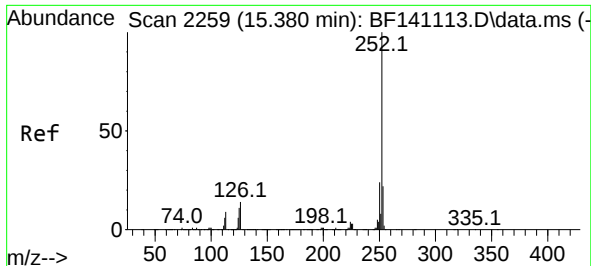
Delta R.T. -0.012 min

Lab File: BF141157.D

Acq: 14 Jan 2025 20:23

Tgt Ion:252 Resp: 249948
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.8
 125 13.2 7.9 11.9#





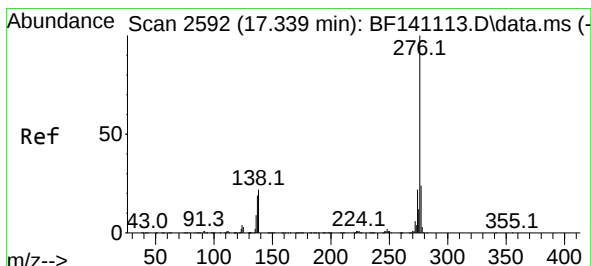
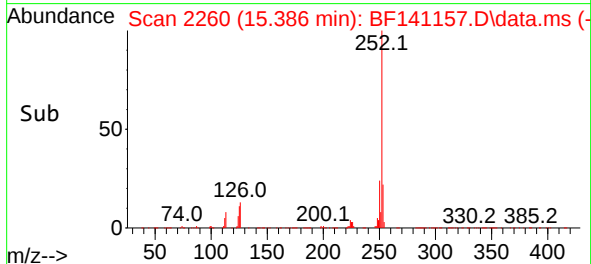
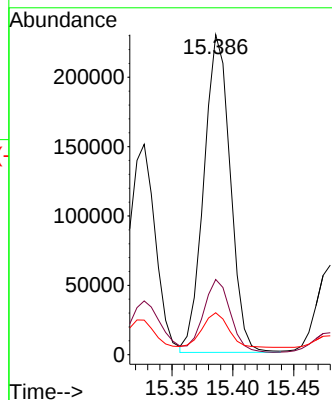
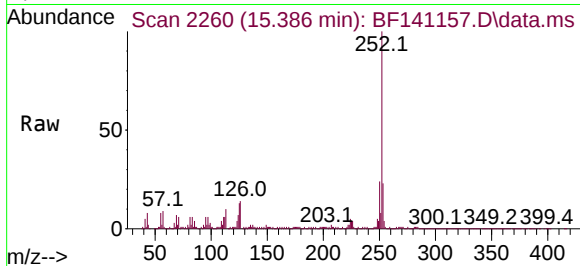
#90
Benzo(a)pyrene
Concen: 18.217 ng
RT: 15.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Instrument :
BNA_F
ClientSampleId :
ARS20-0006

Tgt Ion:252 Resp: 34564
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 13.1 9.1 13.7

Manual Integrations
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Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#92
Benzo(g,h,i)perylene
Concen: 4.820 ng
RT: 17.333 min Scan# 2591
Delta R.T. -0.006 min
Lab File: BF141157.D
Acq: 14 Jan 2025 20:23

Tgt Ion:276 Resp: 105947
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.4
138 22.5 17.4 26.2

