

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
 Data File : BF141773.D
 Acq On : 25 Feb 2025 19:33
 Operator : RC/JU
 Sample : Q1418-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-02242025

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/26/2025
 Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 26 01:00:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	69370	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	273692	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	137964	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	193346	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	153177	20.000	ng	-0.02
86) Perylene-d12	15.392	264	122039	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	264319	59.735	ng	0.00
7) Phenol-d6	6.422	99	324495	58.022	ng	-0.02
23) Nitrobenzene-d5	7.345	82	205722	39.205	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	66418	47.924	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	389872	43.537	ng	-0.02
79) Terphenyl-d14	12.886	244	321796	35.465	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.775	142	33480	3.611	ng	99
38) 1-Methylnaphthalene	8.875	142	26384	2.938	ng	89
58) Fluorene	10.363	166	21033	2.343	ng	# 77
71) Phenanthrene	11.327	178	82419	7.744	ng	97
72) Anthracene	11.380	178	23328m	2.180	ng	
75) Fluoranthene	12.515	202	100614	8.917	ng	99
78) Pyrene	12.745	202	113017	8.667	ng	99
81) Benzo(a)anthracene	13.933	228	68366	6.714	ng	# 89
83) Chrysene	13.968	228	55151	5.866	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.827	276	20551	2.725	ng	99
88) Benzo(b)fluoranthene	14.974	252	58779m	7.173	ng	
89) Benzo(k)fluoranthene	14.986	252	26055m	3.724	ng	
90) Benzo(a)pyrene	15.327	252	47262	7.128	ng	# 84
92) Benzo(g,h,i)perylene	17.262	276	21641	3.385	ng	# 88

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

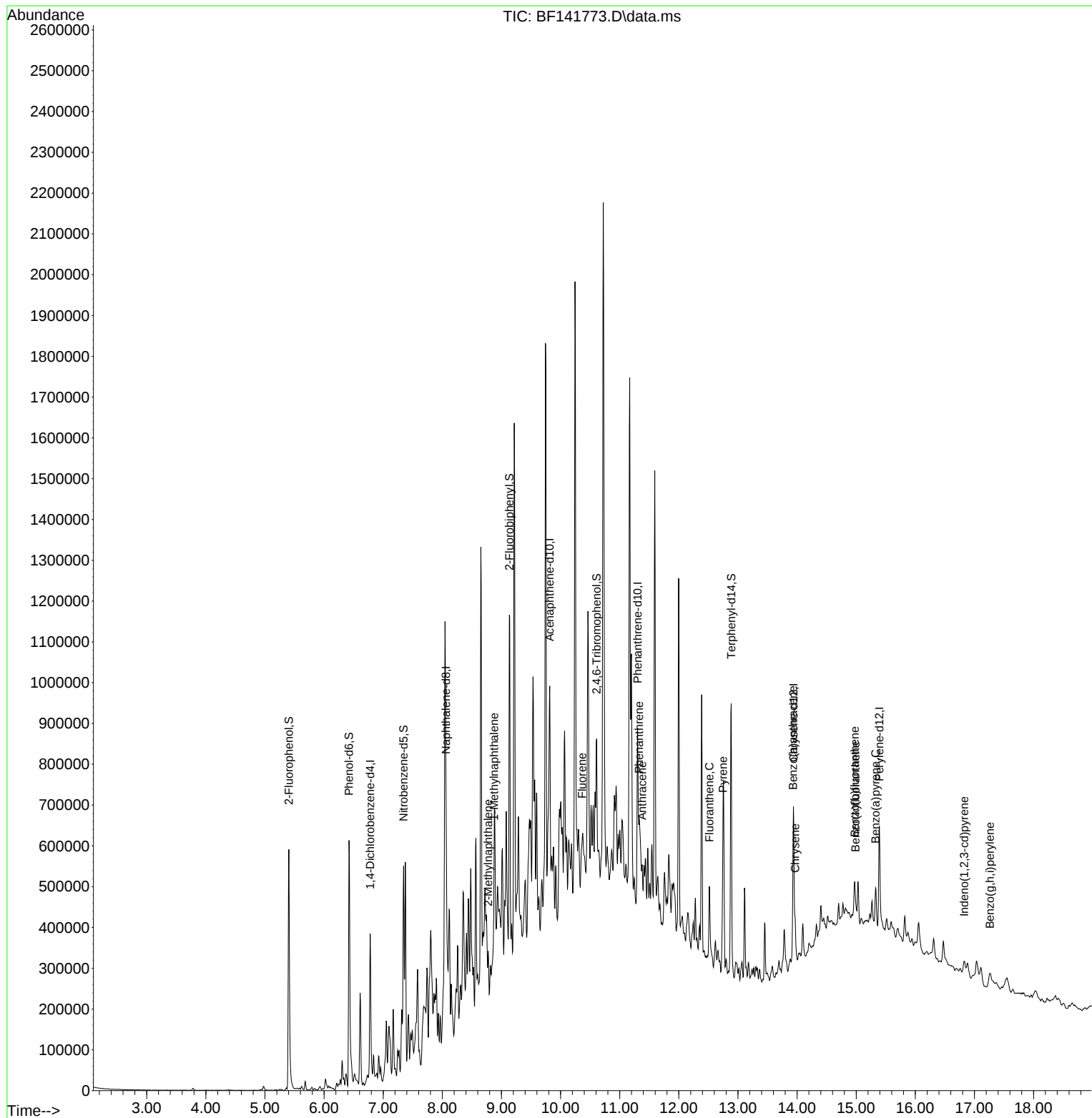
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022525\
Data File : BF141773.D
Acq On : 25 Feb 2025 19:33
Operator : RC/JU
Sample : Q1418-01 2X
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ALS Vial : 20 Sample Multiplier: 1

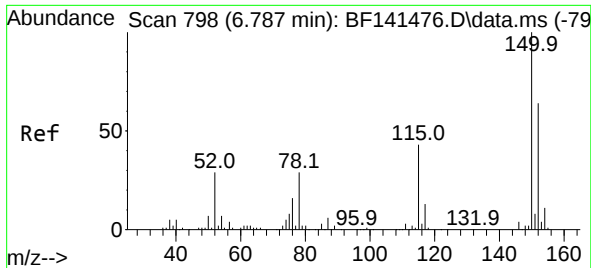
Instrument :
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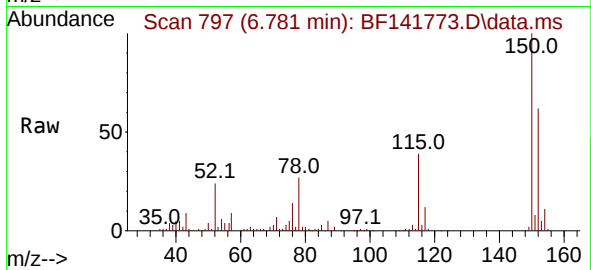
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

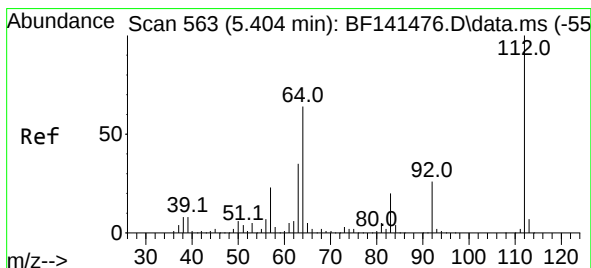
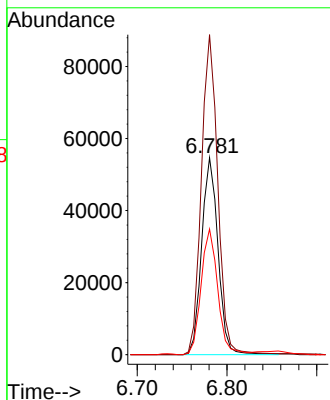
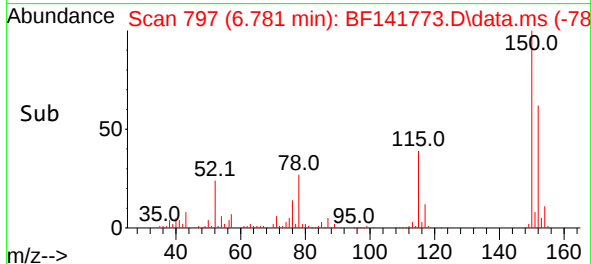
Instrument :
BNA_F
ClientSampleId :
TR-06-02242025



Tgt Ion:152 Resp: 69370
Ion Ratio Lower Upper
152 100
150 162.5 125.0 187.4
115 63.8 53.6 80.4

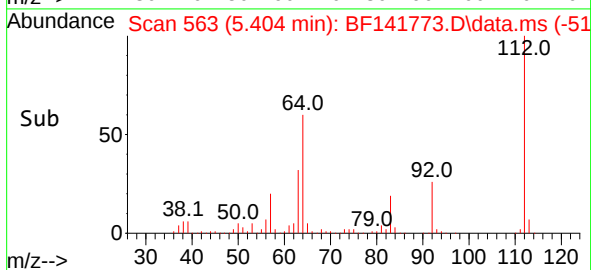
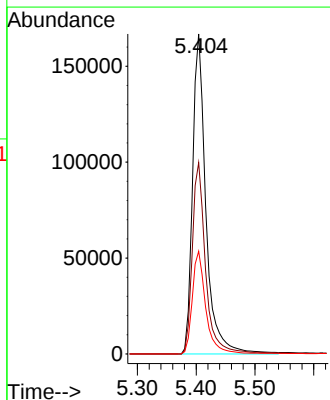
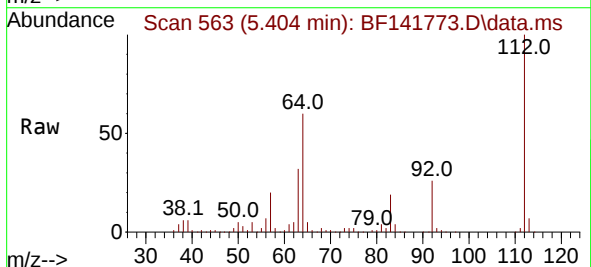
Manual Integrations
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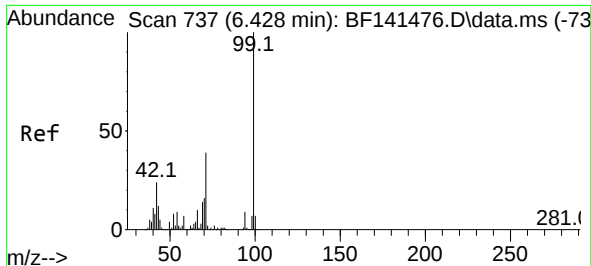
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#5
2-Fluorophenol
Concen: 59.735 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

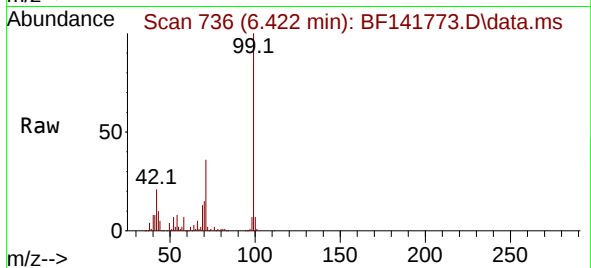
Tgt Ion:112 Resp: 264319
Ion Ratio Lower Upper
112 100
64 59.8 51.1 76.7
63 32.1 28.4 42.6





#7
Phenol-d6
Concen: 58.022 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

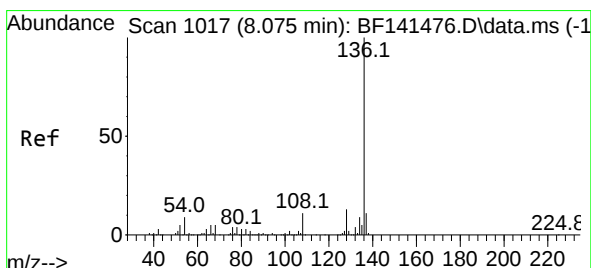
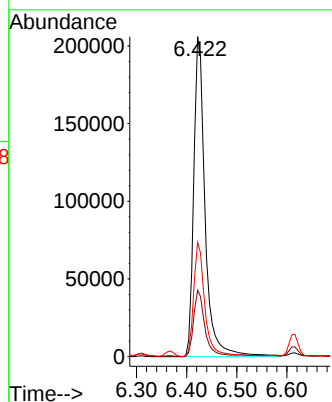
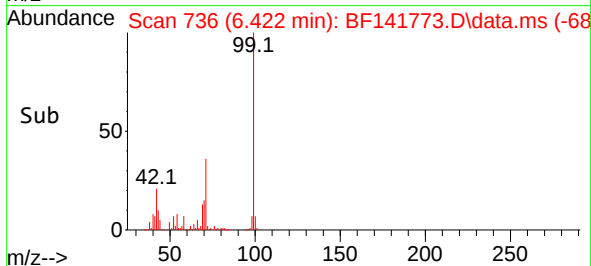
Instrument :
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TR-06-02242025



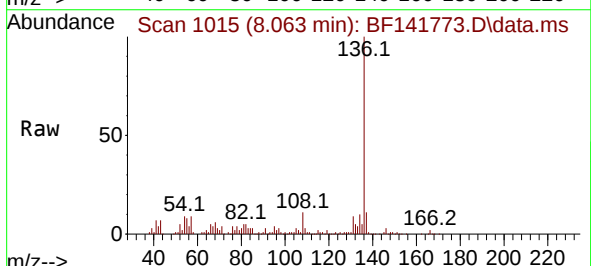
Tgt Ion: 99 Resp: 32449
Ion Ratio Lower Upper
99 100
42 20.7 19.1 28.7
71 35.7 31.1 46.7

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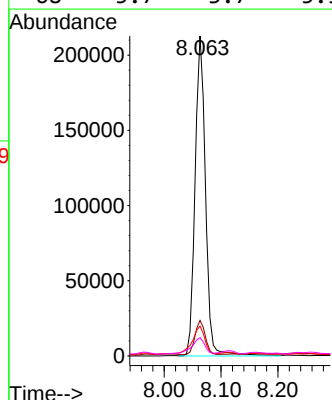
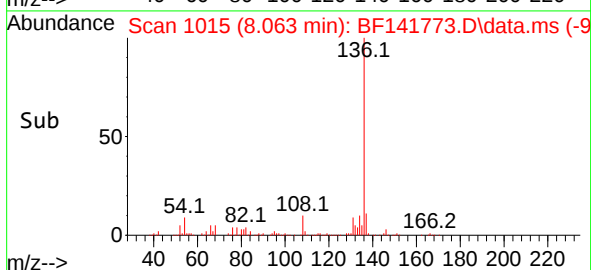
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

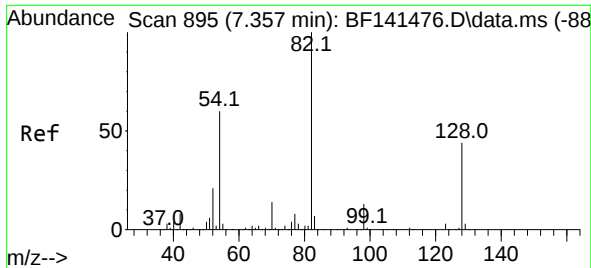


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33



Tgt Ion:136 Resp: 273692
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.3 7.2 10.8
68 5.7 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 39.205 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF141773.D

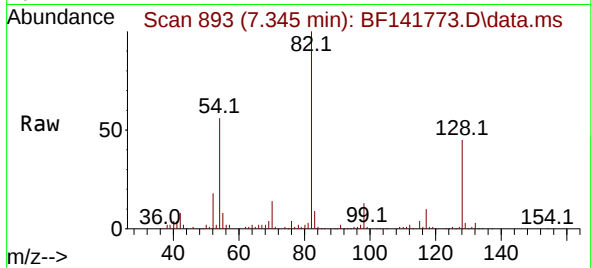
Acq: 25 Feb 2025 19:33

Instrument :

BNA_F

ClientSampleId :

TR-06-02242025



Tgt Ion: 82 Resp: 20572

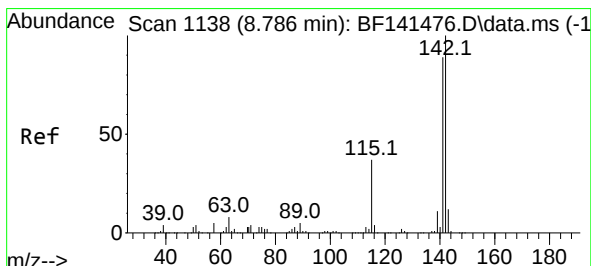
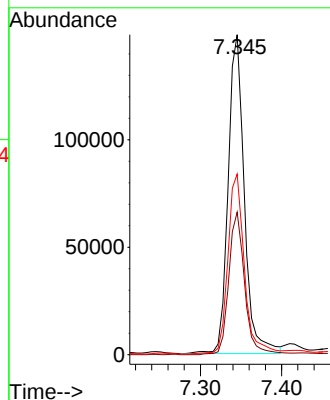
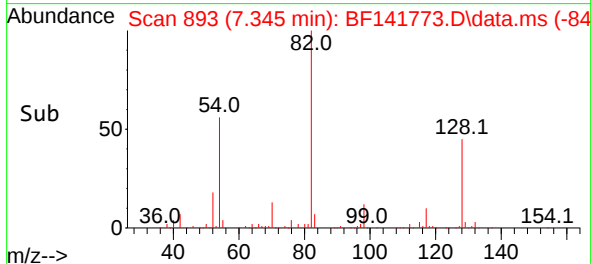
Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.8	52.2
54	56.4	48.2	72.4

Manual Integrations

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#37

2-Methylnaphthalene

Concen: 3.611 ng

RT: 8.775 min Scan# 1136

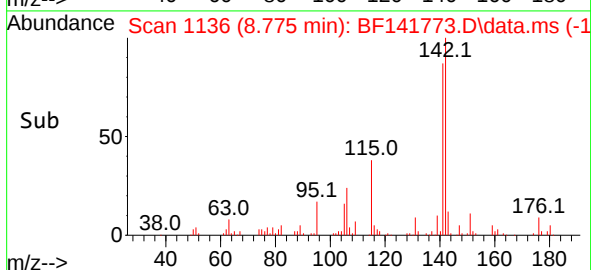
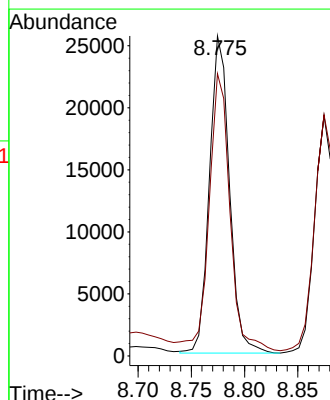
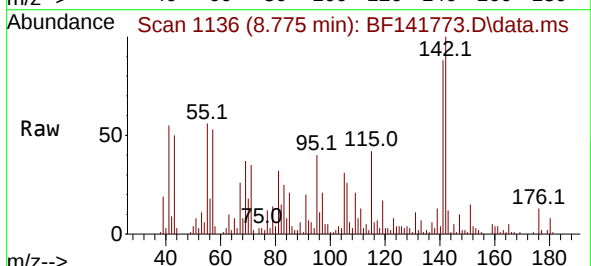
Delta R.T. -0.012 min

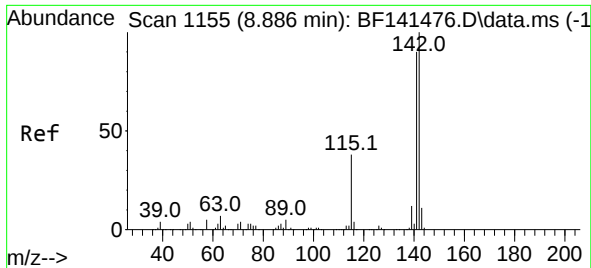
Lab File: BF141773.D

Acq: 25 Feb 2025 19:33

Tgt Ion:142 Resp: 33480

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.2	106.8





#38
1-Methylnaphthalene
Concen: 2.938 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Instrument :

BNA_F

ClientSampleId :

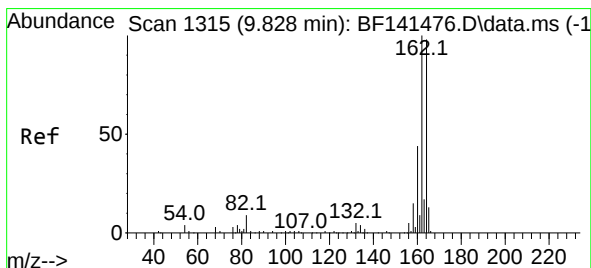
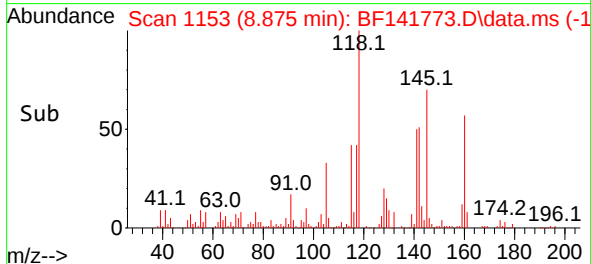
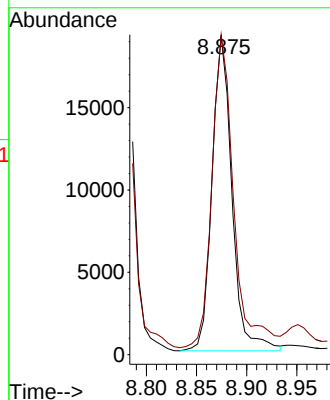
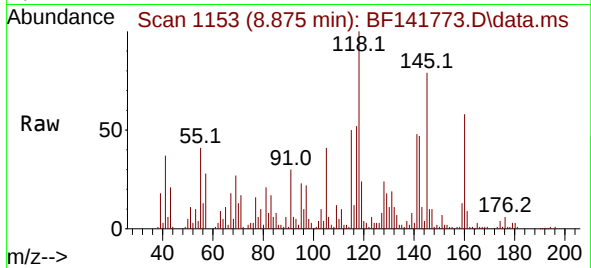
TR-06-02242025

Tgt Ion:142 Resp: 26384
Ion Ratio Lower Upper
142 100
141 100.3 72.1 108.1

Manual Integrations

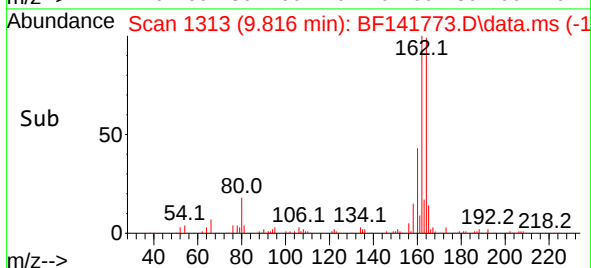
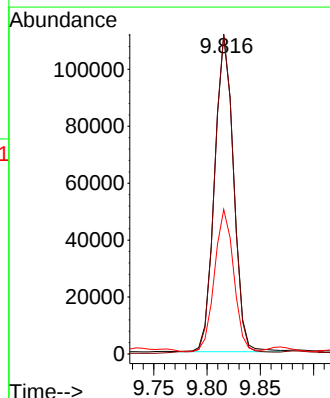
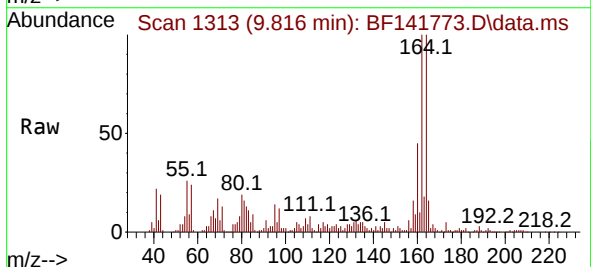
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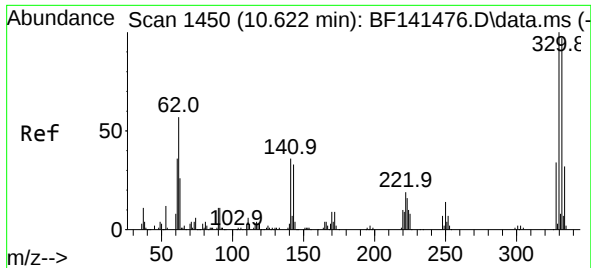
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Tgt Ion:164 Resp: 137964
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 45.3 35.9 53.9





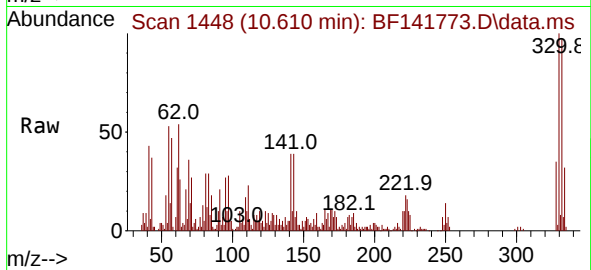
#42
2,4,6-Tribromophenol
Concen: 47.924 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Instrument :

BNA_F

ClientSampleId :

TR-06-02242025

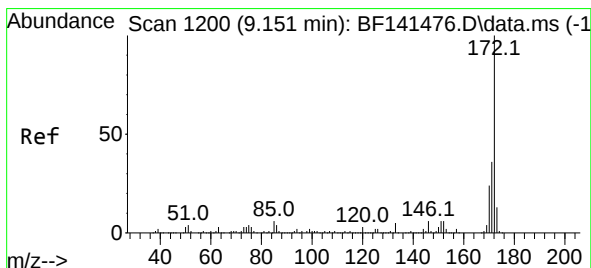
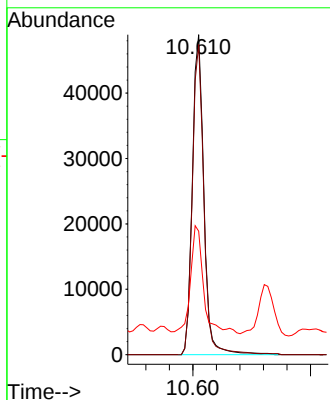
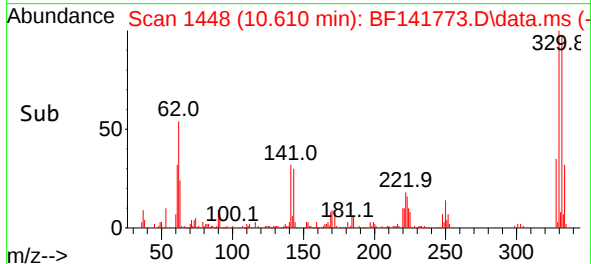


Tgt Ion:330 Resp: 66418
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 38.1 31.0 46.4

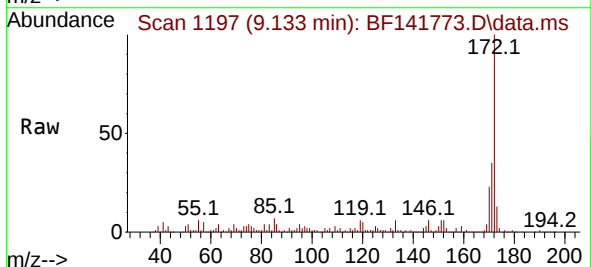
Manual Integrations

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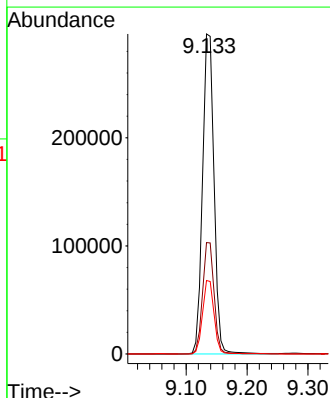
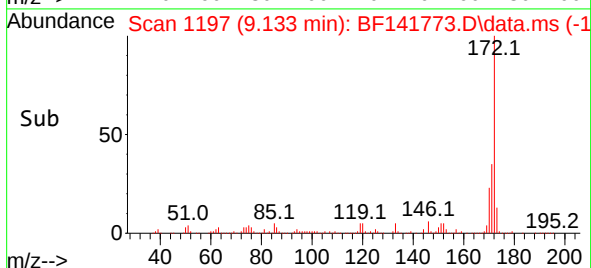
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

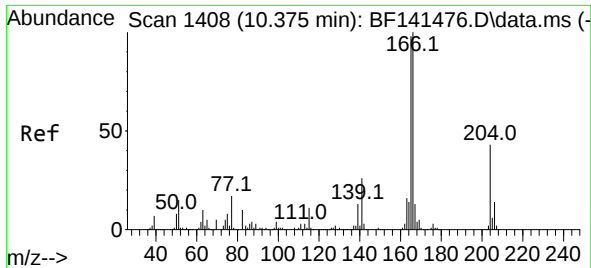


#45
2-Fluorobiphenyl
Concen: 43.537 ng
RT: 9.133 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33



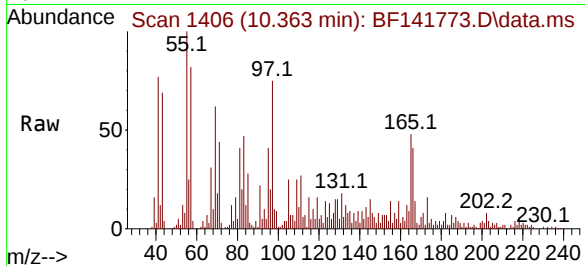
Tgt Ion:172 Resp: 389872
Ion Ratio Lower Upper
172 100
171 34.8 28.7 43.1
170 22.9 18.9 28.3





#58
Fluorene
Concen: 2.343 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

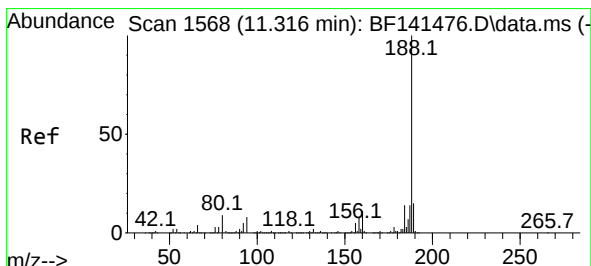
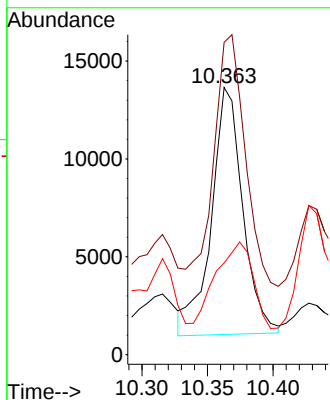
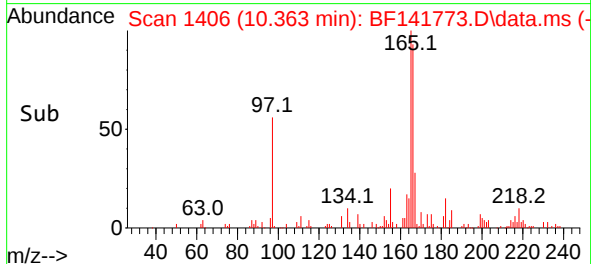
Instrument :
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ClientSampleId :
TR-06-02242025



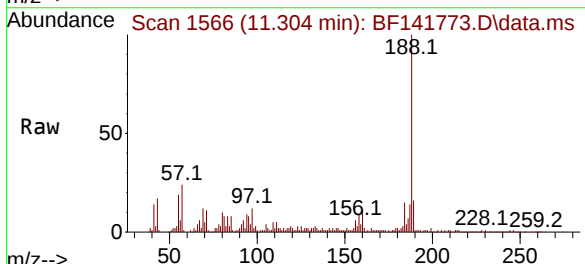
Tgt Ion:166 Resp: 2103
Ion Ratio Lower Upper
166 100
165 116.9 78.2 117.2
167 34.3 10.7 16.1

Manual Integrations
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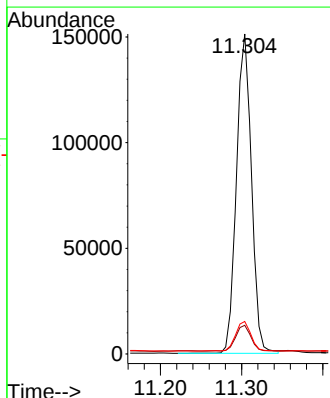
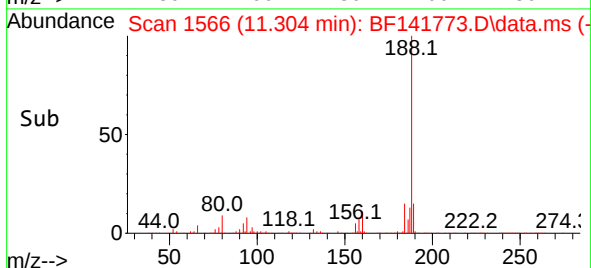
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025

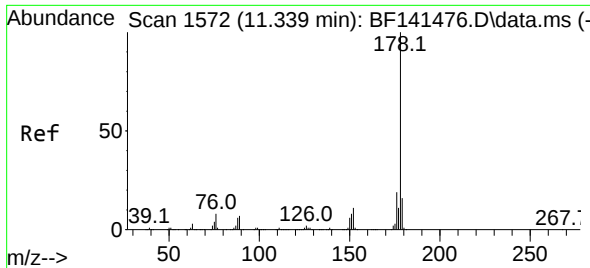


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33



Tgt Ion:188 Resp: 193346
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 10.1 7.3 10.9





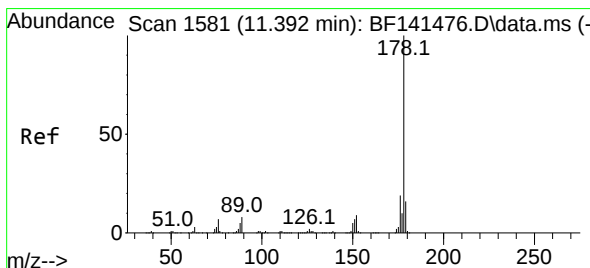
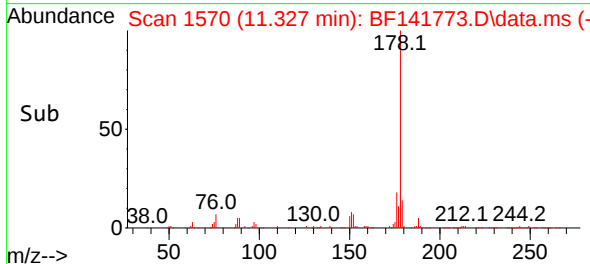
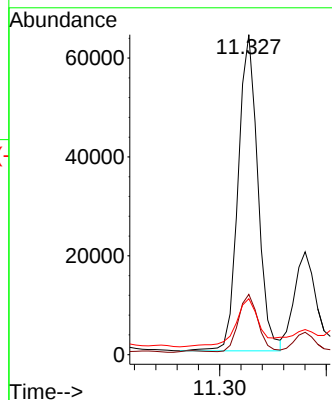
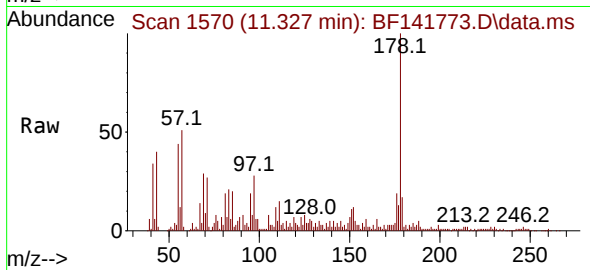
#71
Phenanthrene
Concen: 7.744 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Instrument :
BNA_F
ClientSampleId :
TR-06-02242025

Tgt Ion:178 Resp: 82419
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 17.5 12.4 18.6

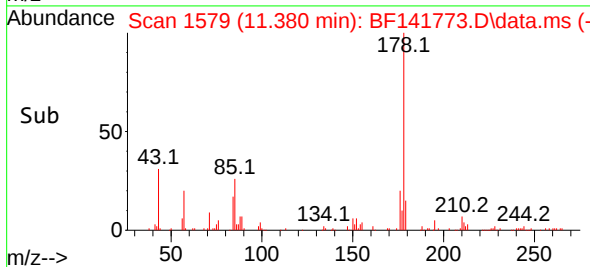
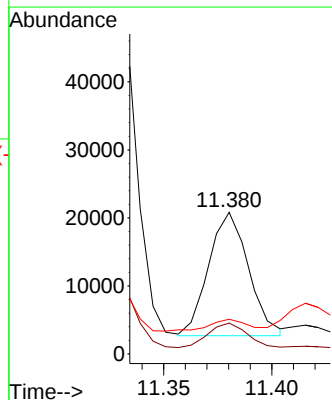
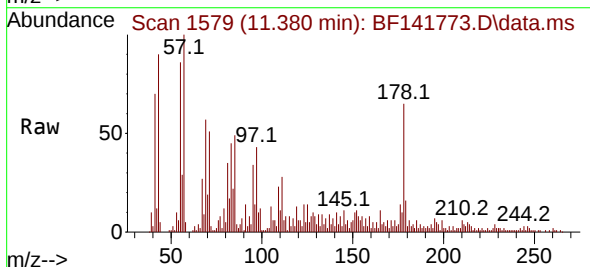
Manual Integrations
APPROVED

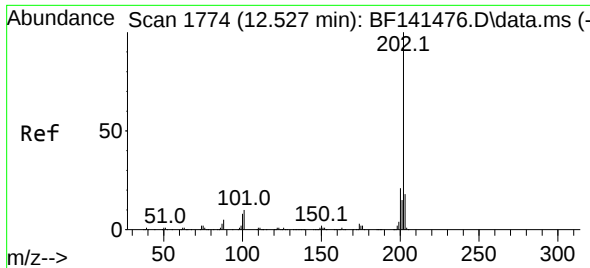
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#72
Anthracene
Concen: 2.180 ng m
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

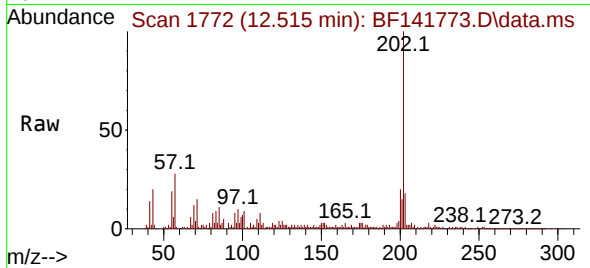
Tgt Ion:178 Resp: 23328
Ion Ratio Lower Upper
178 100
176 21.8 14.8 22.2
179 24.5 12.4 18.6#





#75
Fluoranthene
Concen: 8.917 ng
RT: 12.515 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

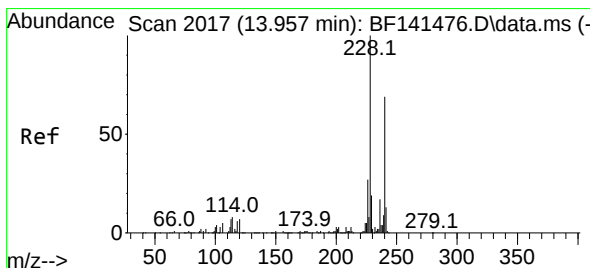
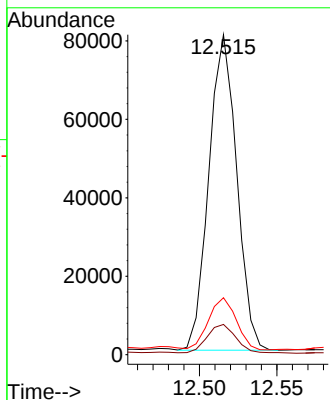
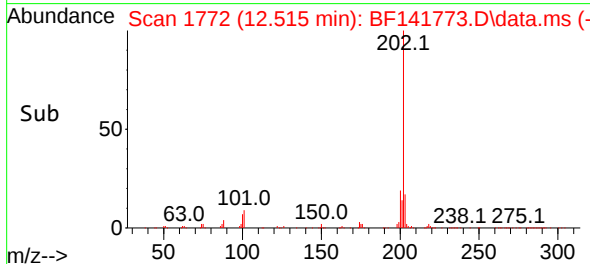
Instrument :
BNA_F
ClientSampleId :
TR-06-02242025



Tgt Ion:202 Resp: 100614
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 17.8 0.0 37.6

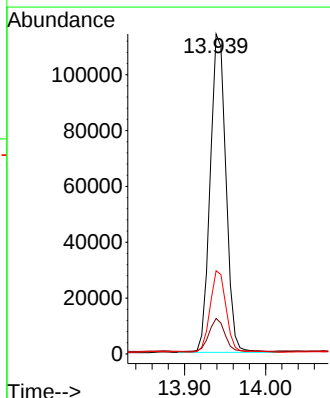
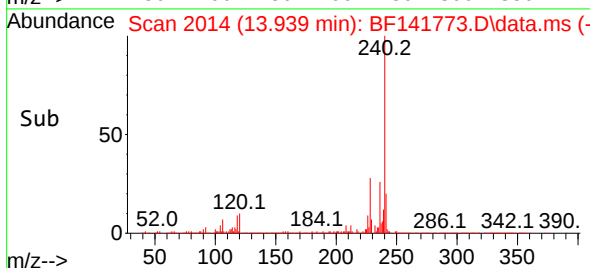
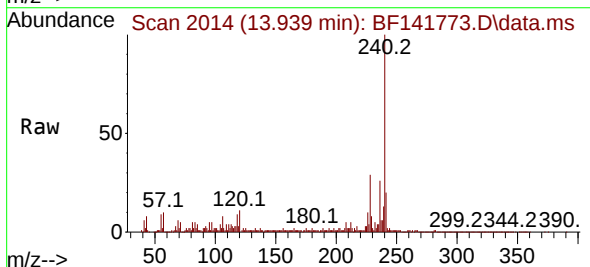
Manual Integrations
APPROVED

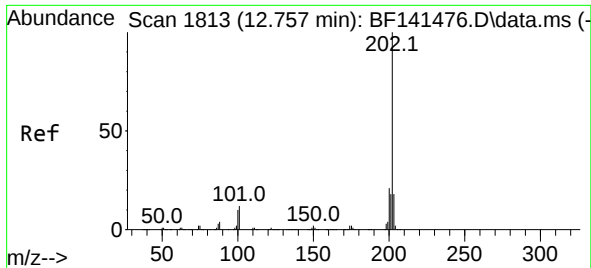
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.024 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Tgt Ion:240 Resp: 153177
Ion Ratio Lower Upper
240 100
120 11.1 8.0 12.0
236 26.0 19.8 29.8





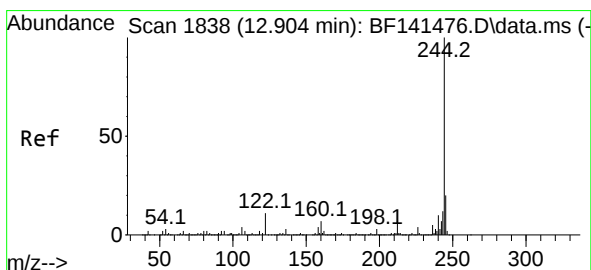
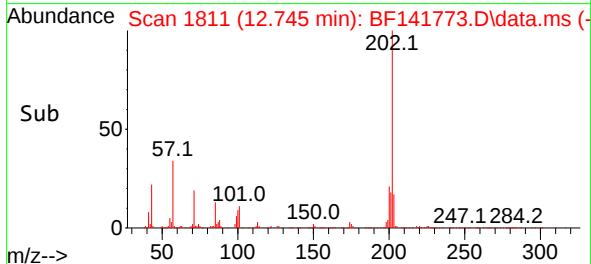
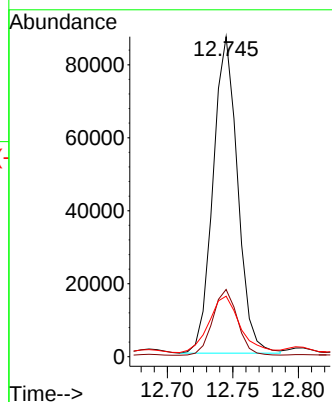
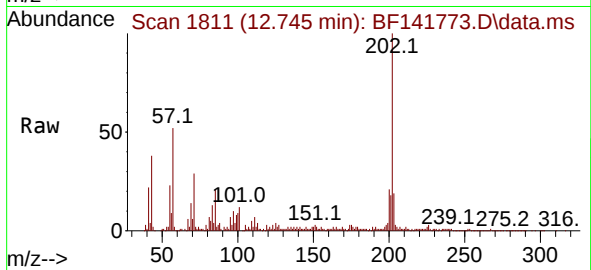
#78
Pyrene
Concen: 8.667 ng
RT: 12.745 min Scan# 1811
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Instrument :
BNA_F
ClientSampleId :
TR-06-02242025

Tgt Ion:202 Resp: 11301
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.9 14.3 21.5

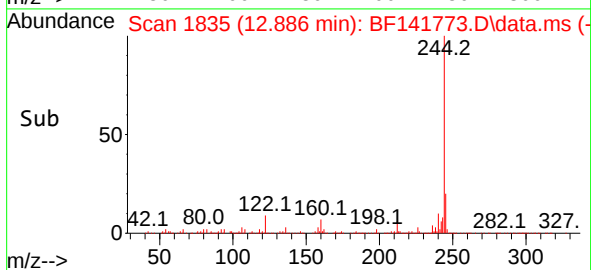
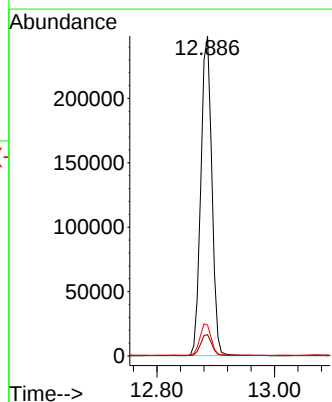
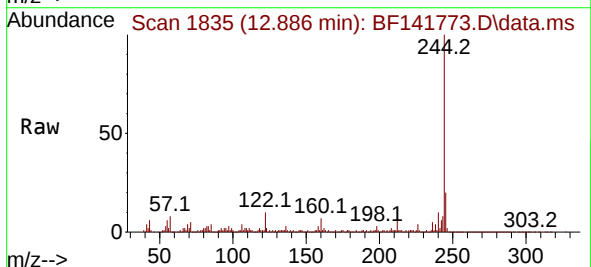
Manual Integrations
APPROVED

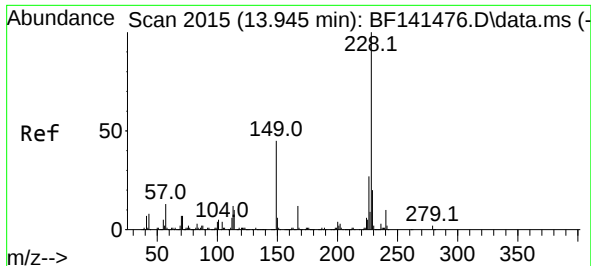
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#79
Terphenyl-d14
Concen: 35.465 ng
RT: 12.886 min Scan# 1835
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

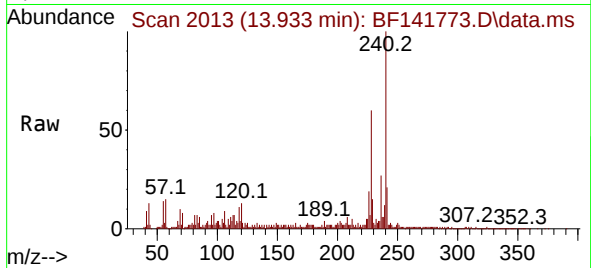
Tgt Ion:244 Resp: 321796
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 9.7 8.4 12.6





#81
Benzo(a)anthracene
Concen: 6.714 ng
RT: 13.933 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

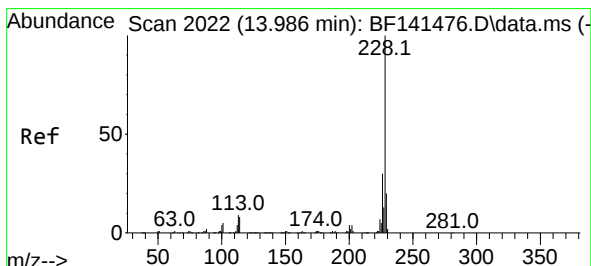
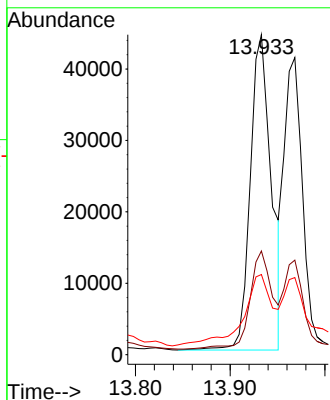
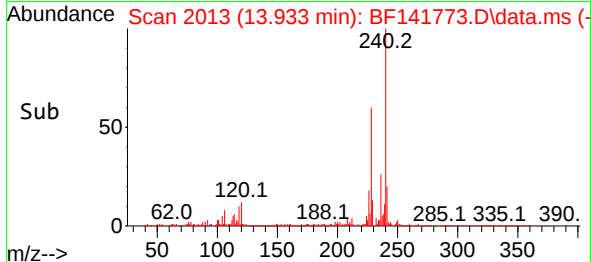
Instrument :
BNA_F
ClientSampleId :
TR-06-02242025



Tgt Ion:228 Resp: 68360
Ion Ratio Lower Upper
228 100
226 32.4 21.8 32.8
229 25.1 15.8 23.6

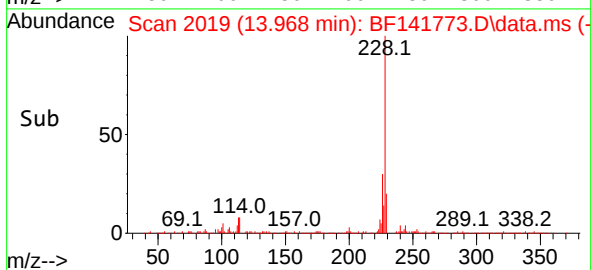
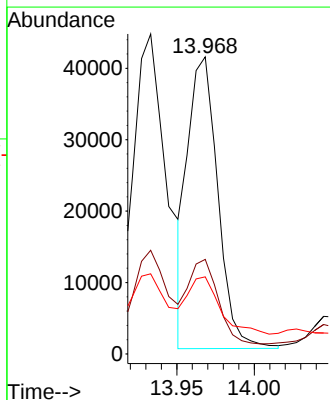
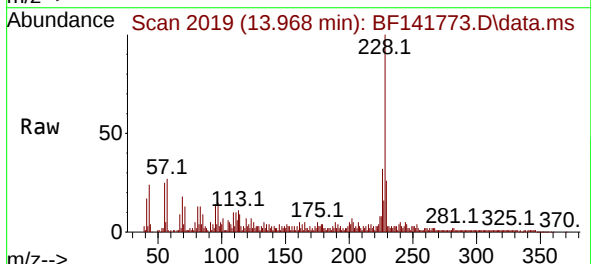
Manual Integrations
APPROVED

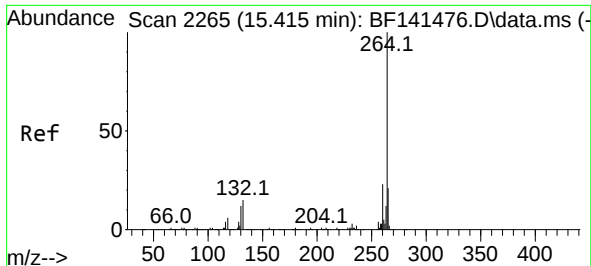
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#83
Chrysene
Concen: 5.866 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.024 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Tgt Ion:228 Resp: 55151
Ion Ratio Lower Upper
228 100
226 31.8 24.0 36.0
229 25.9 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Instrument :

BNA_F

ClientSampleId :

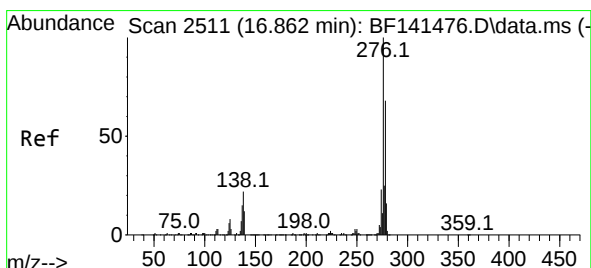
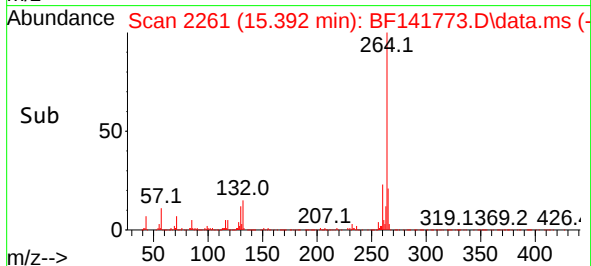
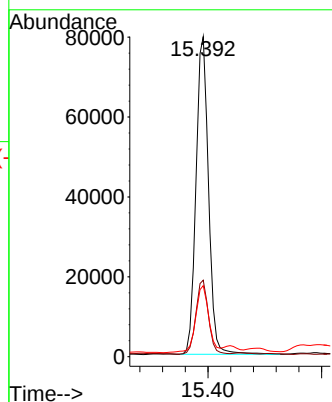
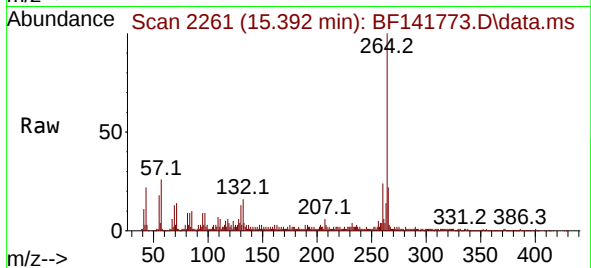
TR-06-02242025

Tgt Ion:264 Resp: 122039
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 22.2 17.0 25.4

Manual Integrations

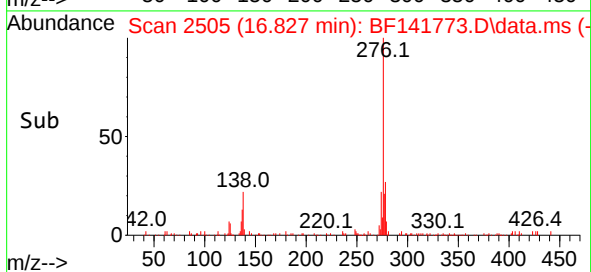
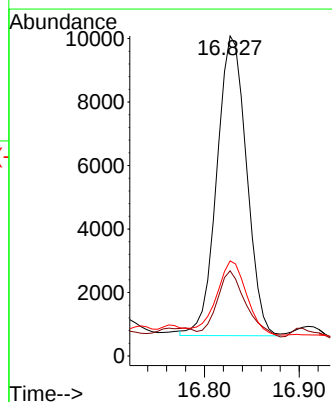
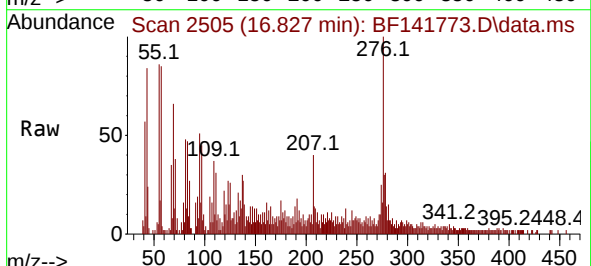
APPROVED

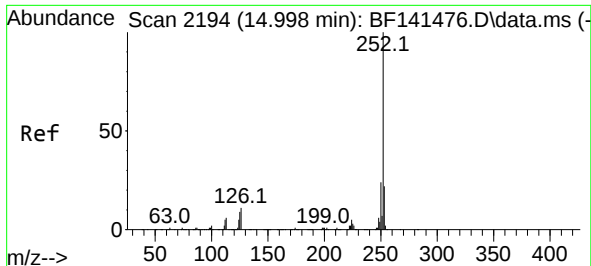
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.725 ng
RT: 16.827 min Scan# 2505
Delta R.T. -0.047 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

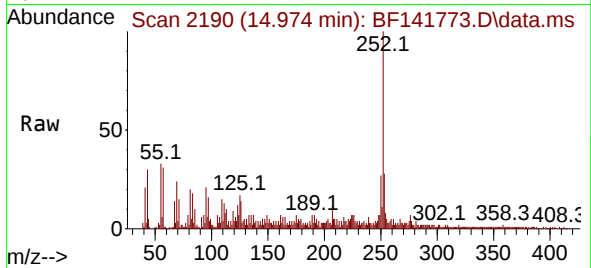
Tgt Ion:276 Resp: 20551
Ion Ratio Lower Upper
276 100
138 21.5 18.0 27.0
277 25.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 7.173 ng m
RT: 14.974 min Scan# 2190
Delta R.T. -0.029 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

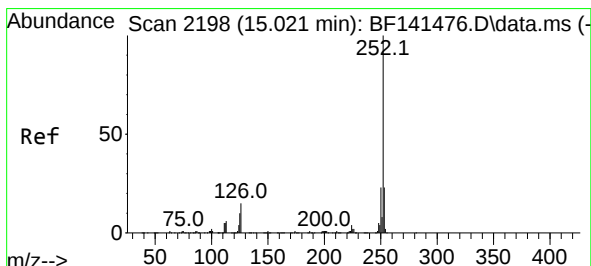
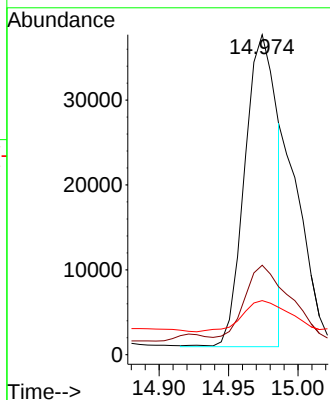
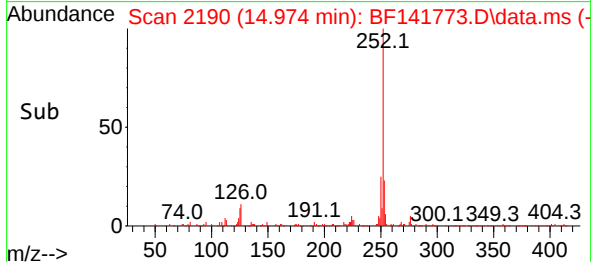
Instrument :
BNA_F
ClientSampleId :
TR-06-02242025



Tgt Ion:252 Resp: 58779
Ion Ratio Lower Upper
252 100
253 28.0 17.5 26.3
125 16.9 7.0 10.6

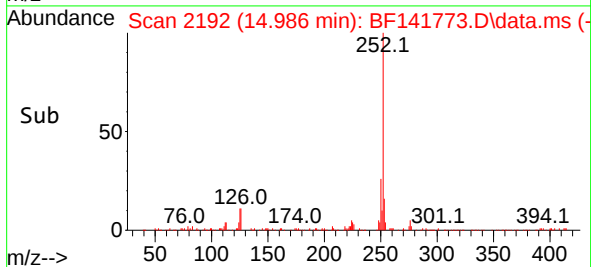
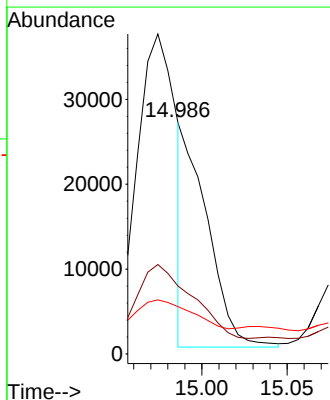
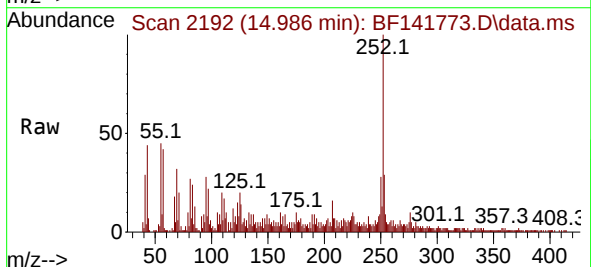
Manual Integrations
APPROVED

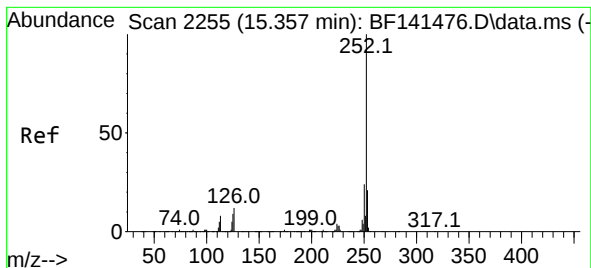
Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#89
Benzo(k)fluoranthene
Concen: 3.724 ng m
RT: 14.986 min Scan# 2192
Delta R.T. -0.047 min
Lab File: BF141773.D
Acq: 25 Feb 2025 19:33

Tgt Ion:252 Resp: 26055
Ion Ratio Lower Upper
252 100
253 29.4 18.0 27.0#
125 20.4 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 7.128 ng

RT: 15.327 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141773.D

Acq: 25 Feb 2025 19:33

Instrument :

BNA_F

ClientSampleId :

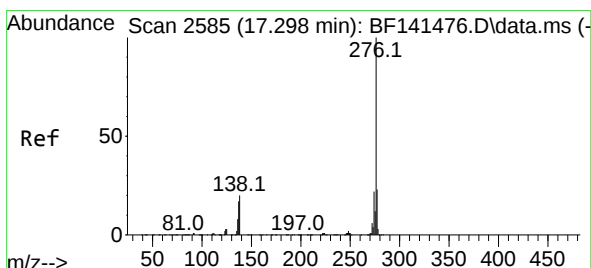
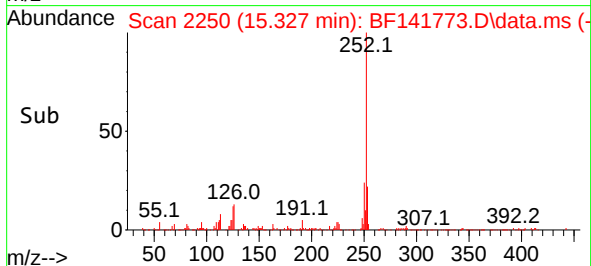
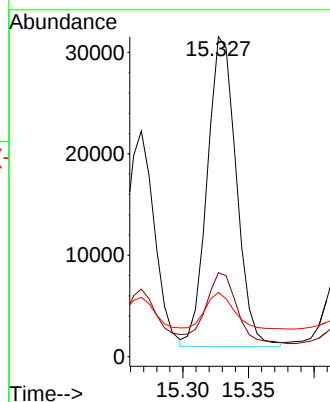
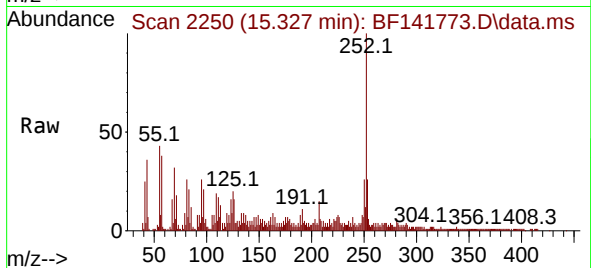
TR-06-02242025

Tgt Ion:	252	Resp:	4726
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.1	25.7
125	20.1	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/26/2025
Supervised By :mohammad ahmed 02/28/2025



#92

Benzo(g,h,i)perylene

Concen: 3.385 ng

RT: 17.262 min Scan# 2579

Delta R.T. -0.053 min

Lab File: BF141773.D

Acq: 25 Feb 2025 19:33

Tgt Ion:	276	Resp:	21641
Ion Ratio	Lower	Upper	
276	100		
277	29.7	18.6	28.0
138	24.5	15.9	23.9

