

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141463.D
 Acq On : 05 Feb 2025 22:23
 Operator : RC/JU
 Sample : Q1207-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-4.5-012725

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:49:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	64317	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	224656	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	101868	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	168524	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	142671	20.000	ng	-0.01
86) Perylene-d12	15.421	264	103713	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	279632	66.746	ng	0.00
7) Phenol-d6	6.428	99	324085	60.809	ng	-0.01
23) Nitrobenzene-d5	7.351	82	207722	48.743	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	60761	65.062	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	334092	50.480	ng	-0.02
79) Terphenyl-d14	12.904	244	379527	41.025	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	16316	2.635	ng	91
58) Fluorene	10.375	166	16921	2.632	ng	# 91
71) Phenanthrene	11.339	178	223918	24.718	ng	100
72) Anthracene	11.386	178	75661	8.524	ng	98
75) Fluoranthene	12.527	202	355598	39.756	ng	98
78) Pyrene	12.757	202	333381	24.343	ng	98
81) Benzo(a)anthracene	13.951	228	144755	14.703	ng	97
83) Chrysene	13.986	228	111551	12.363	ng	96
84) Bis(2-ethylhexyl)phtha...	13.945	149	15617	2.573	ng	# 88
87) Indeno(1,2,3-cd)pyrene	16.862	276	40993	6.124	ng	# 90
88) Benzo(b)fluoranthene	15.004	252	101975m	15.631	ng	
89) Benzo(k)fluoranthene	15.015	252	46247m	8.002	ng	
90) Benzo(a)pyrene	15.363	252	78640	14.265	ng	# 90
92) Benzo(g,h,i)perylene	17.304	276	43228	7.720	ng	94

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

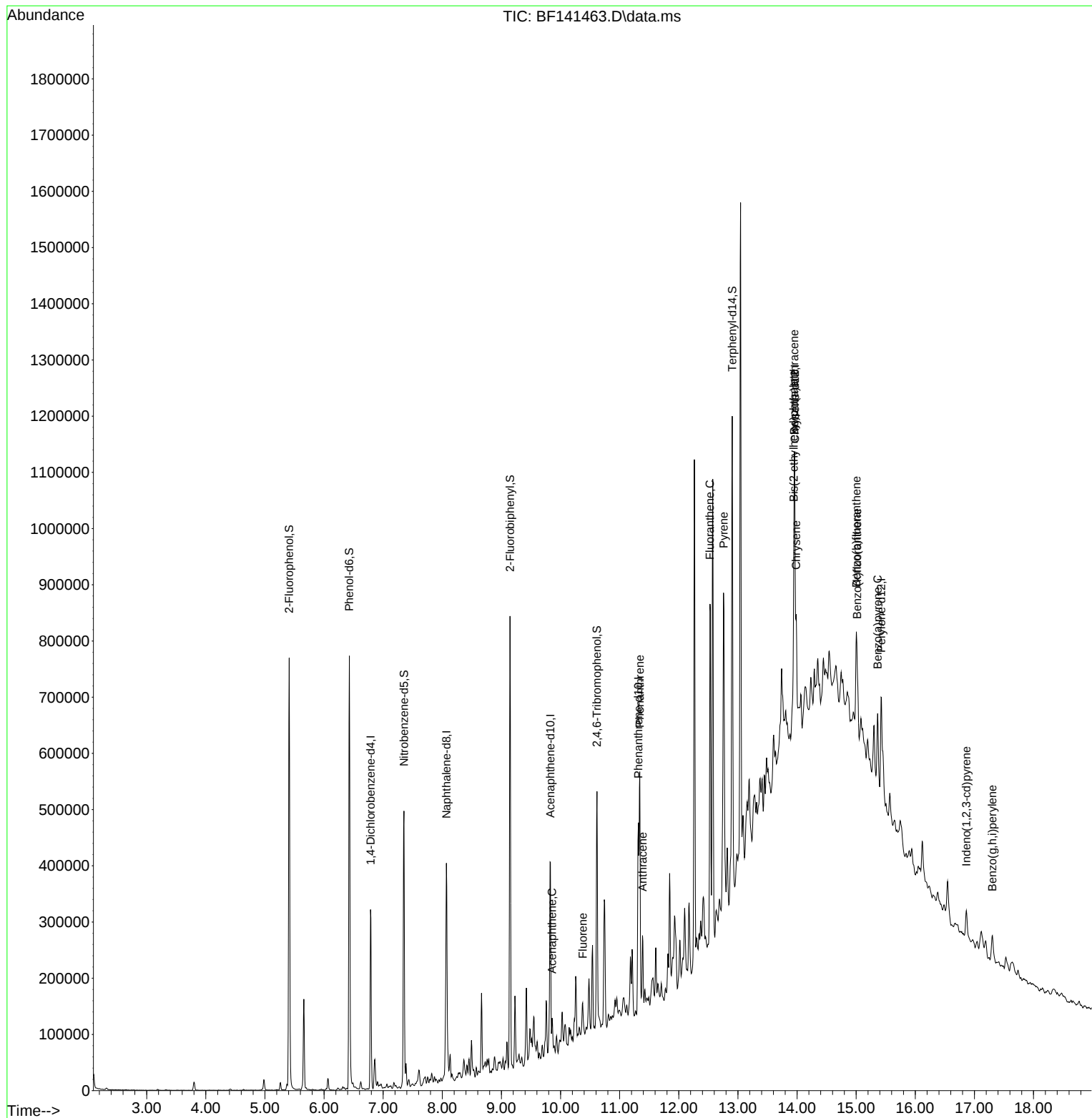
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141463.D
Acq On : 05 Feb 2025 22:23
Operator : RC/JU
Sample : Q1207-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

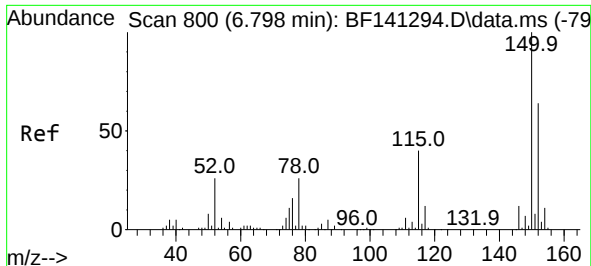
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

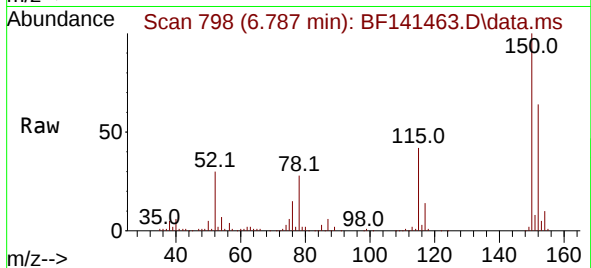
Quant Time: Feb 06 01:49:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

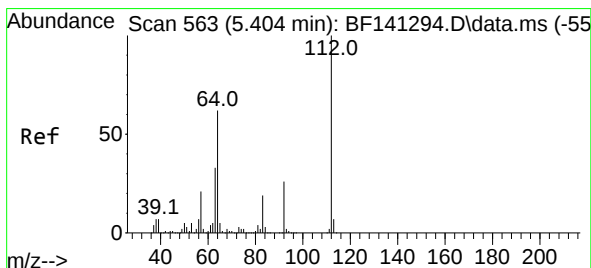
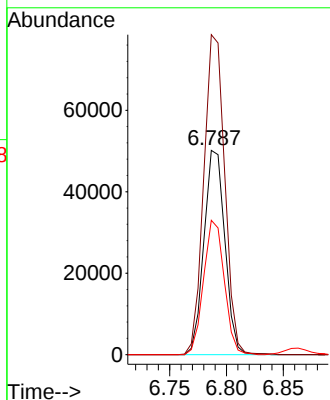
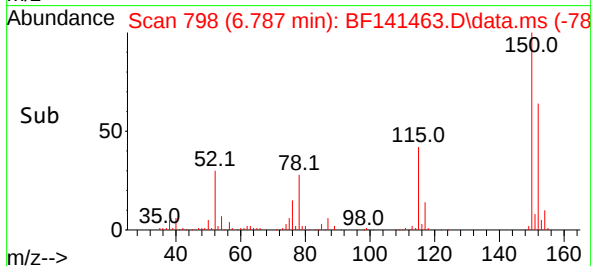
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725



Tgt Ion:152 Resp: 6431
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 65.7 49.7 74.5

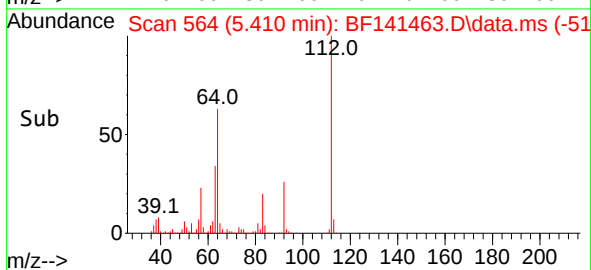
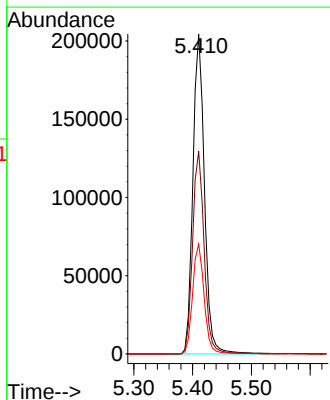
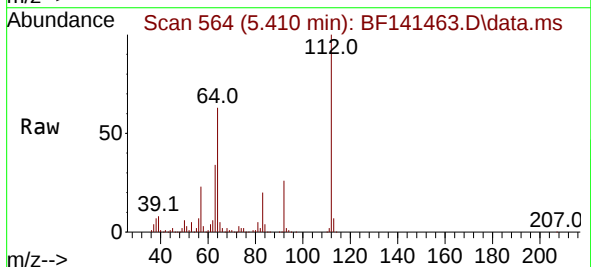
Manual Integrations
APPROVED

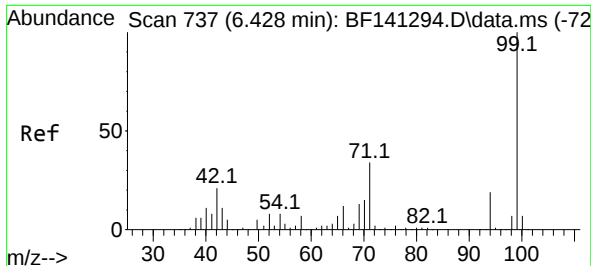
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 66.746 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

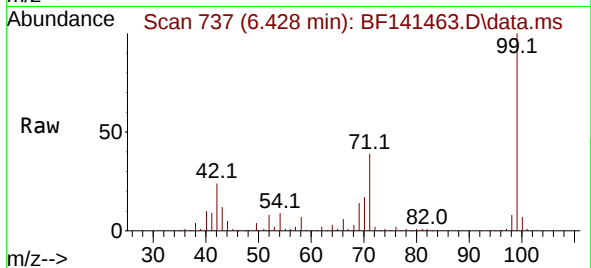
Tgt Ion:112 Resp: 279632
Ion Ratio Lower Upper
112 100
64 63.3 49.8 74.8
63 34.3 26.1 39.1





#7
Phenol-d6
Concen: 60.809 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

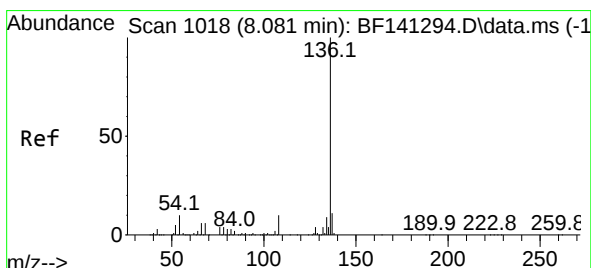
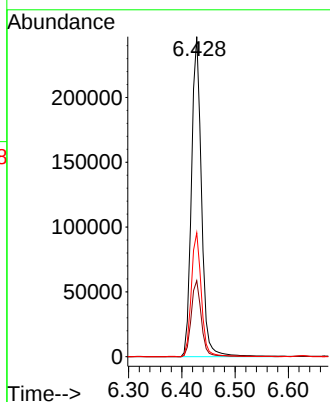
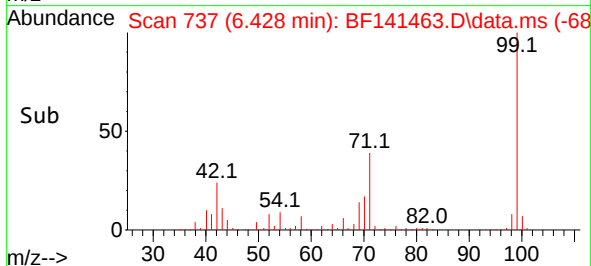
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725



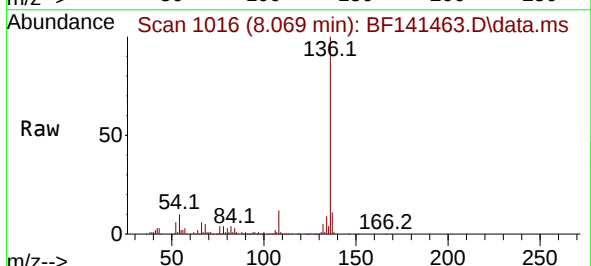
Tgt Ion: 99 Resp: 324085
Ion Ratio Lower Upper
99 100
42 23.7 17.1 25.7
71 38.7 26.9 40.3

Manual Integrations
APPROVED

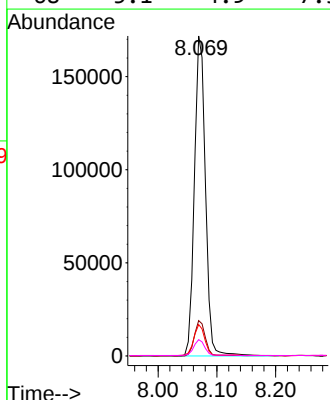
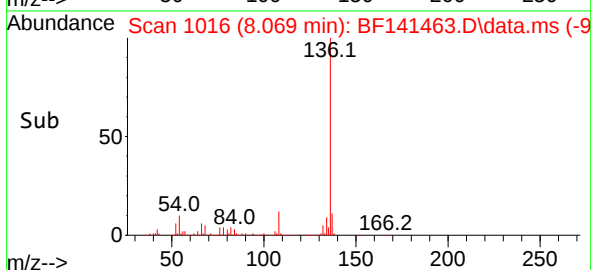
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

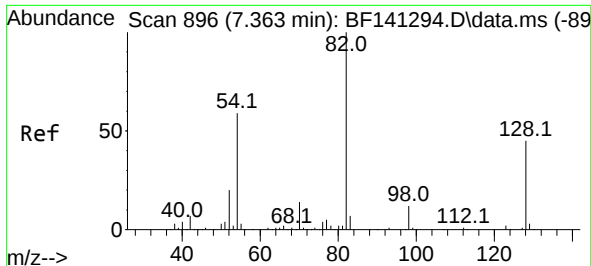


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23



Tgt Ion:136 Resp: 224656
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.8 7.8 11.8
68 5.1 4.9 7.3





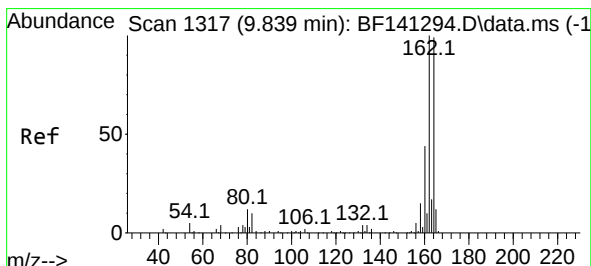
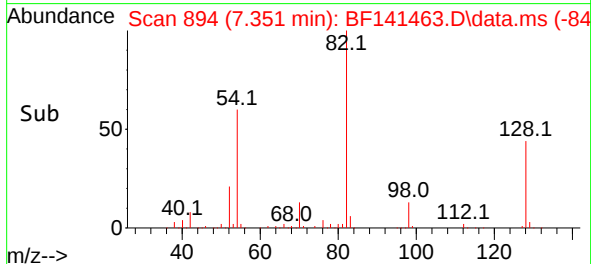
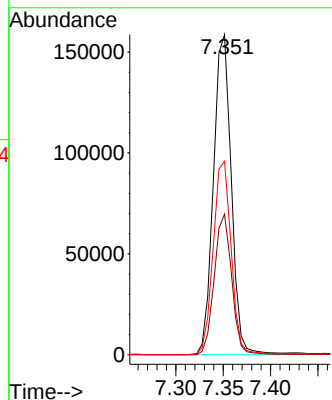
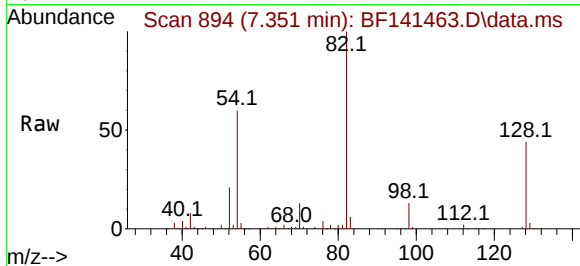
#23
Nitrobenzene-d5
Concen: 48.743 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Tgt Ion: 82 Resp: 20772
Ion Ratio Lower Upper
82 100
128 44.0 35.7 53.5
54 60.4 47.1 70.7

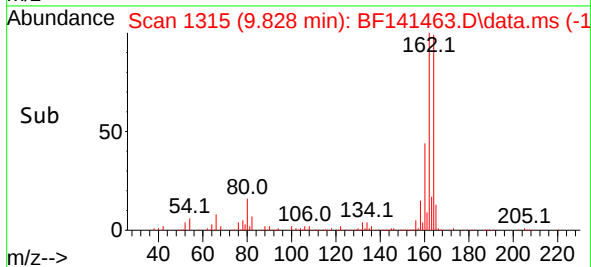
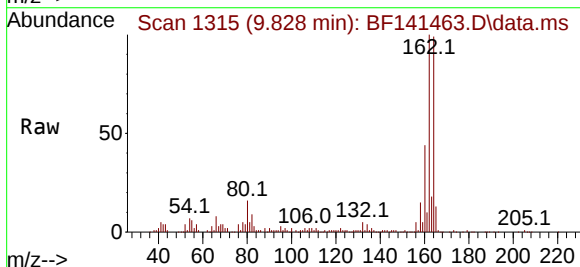
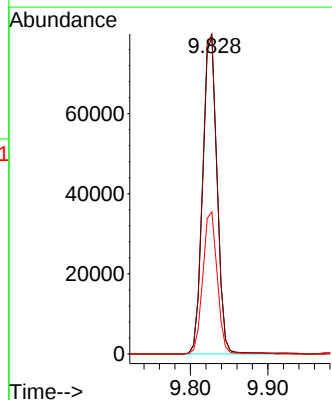
Manual Integrations
APPROVED

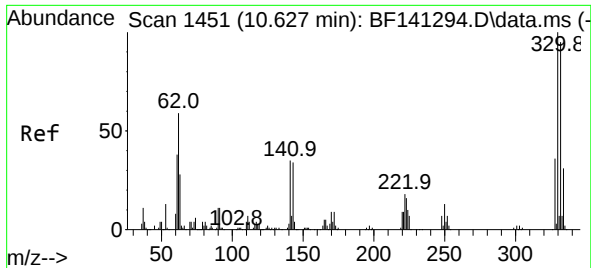
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

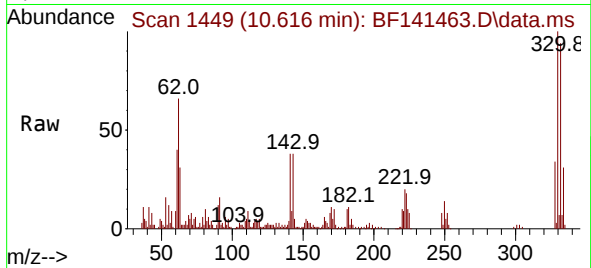
Tgt Ion:164 Resp: 101868
Ion Ratio Lower Upper
164 100
162 101.1 80.6 121.0
160 44.9 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 65.062 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

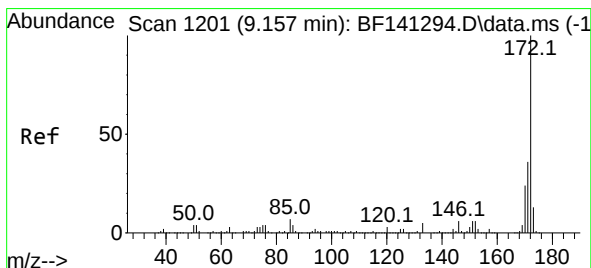
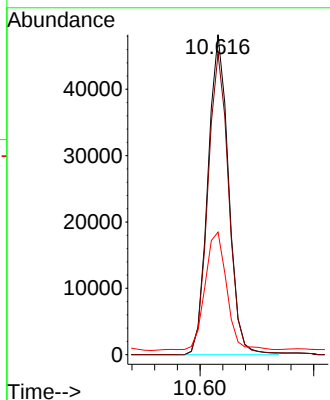
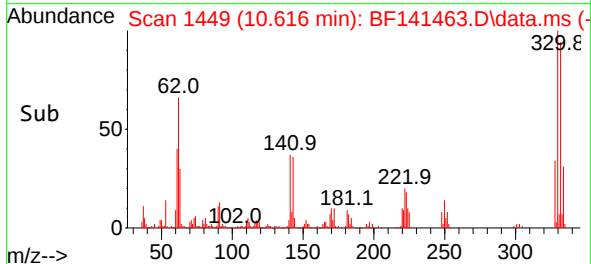
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725



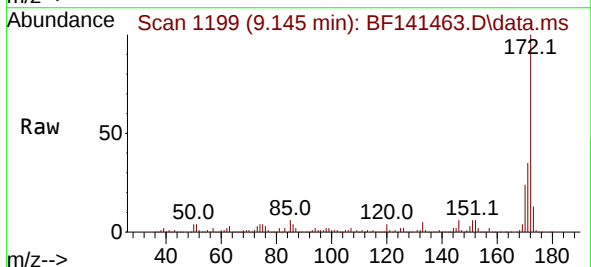
Tgt Ion: 330 Resp: 6076
Ion Ratio Lower Upper
330 100
332 95.4 76.1 114.1
141 39.4 28.8 43.2

Manual Integrations
APPROVED

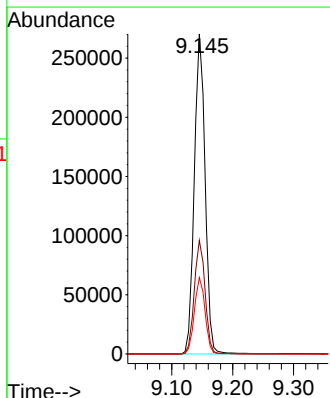
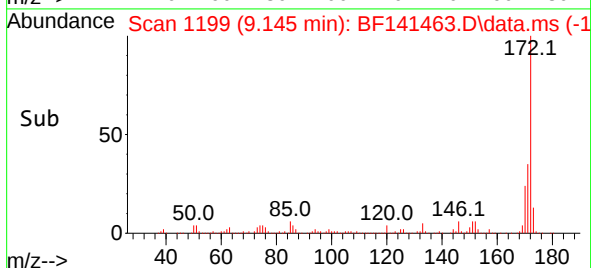
Reviewed By : Yogesh Patel 02/06/2025
Supervised By : mohammad ahmed 02/06/2025

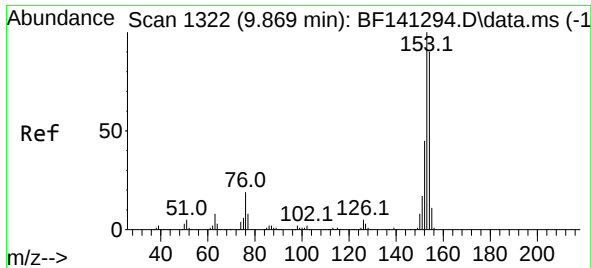


#45
2-Fluorobiphenyl
Concen: 50.480 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23



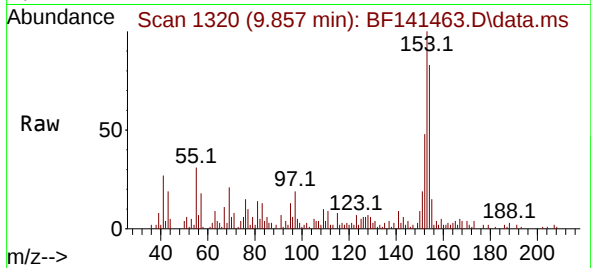
Tgt Ion: 172 Resp: 334092
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 19.0 28.6





#52
Acenaphthene
Concen: 2.635 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

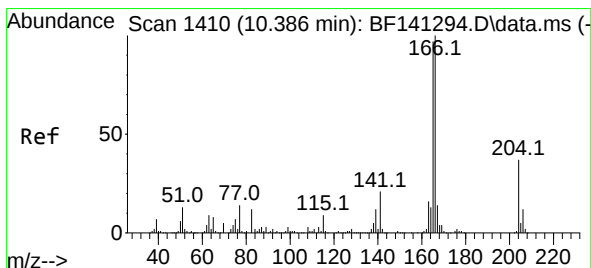
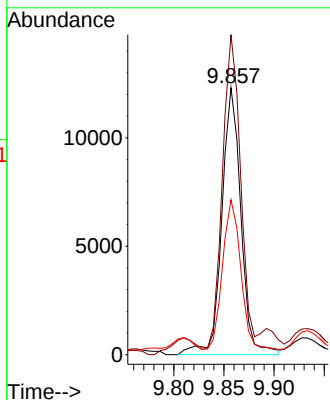
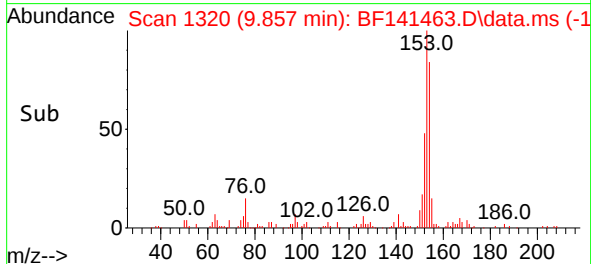
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725



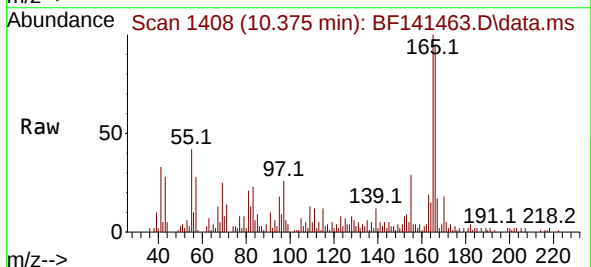
Tgt Ion:154 Resp: 16310
Ion Ratio Lower Upper
154 100
153 119.9 89.0 133.4
152 58.0 40.2 60.4

Manual Integrations
APPROVED

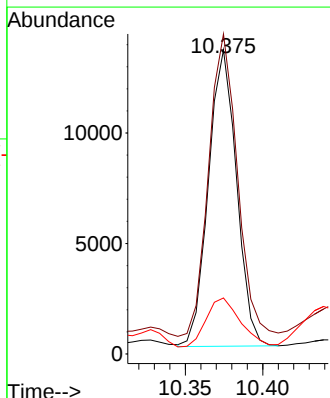
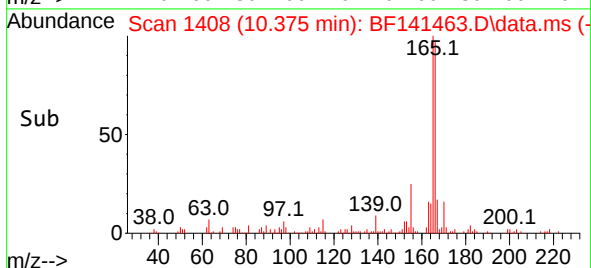
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

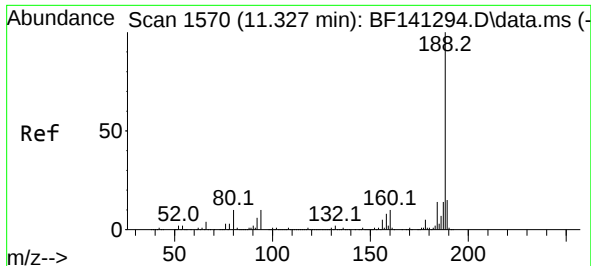


#58
Fluorene
Concen: 2.632 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23



Tgt Ion:166 Resp: 16921
Ion Ratio Lower Upper
166 100
165 105.2 77.5 116.3
167 18.4 10.9 16.3#





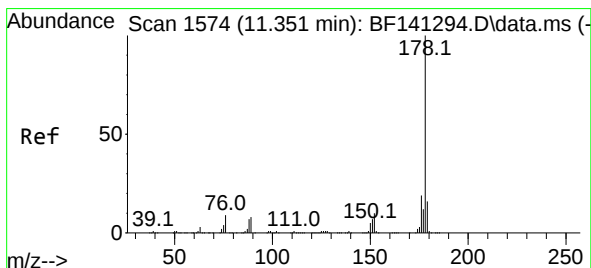
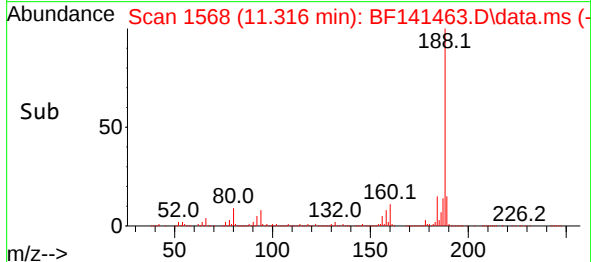
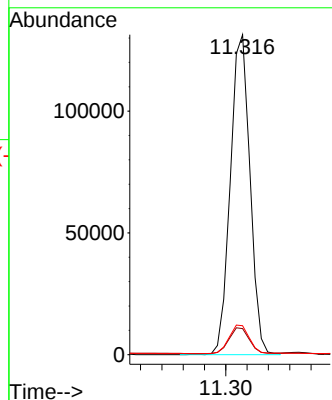
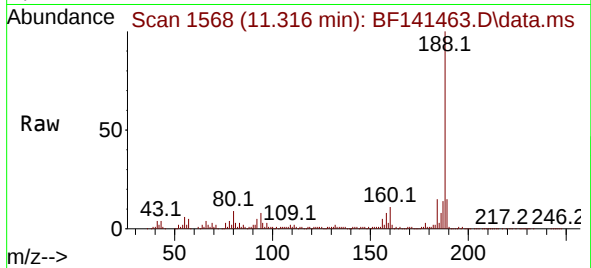
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725

Tgt Ion:188 Resp: 168524
Ion Ratio Lower Upper
188 100
94 8.2 7.8 11.6
80 9.0 8.2 12.4

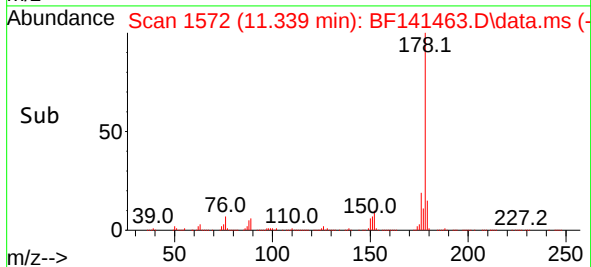
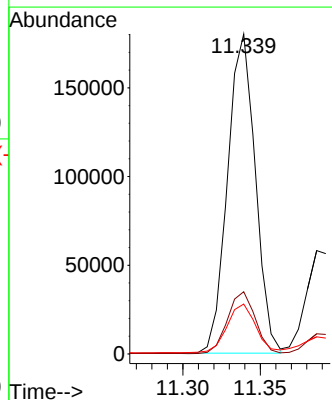
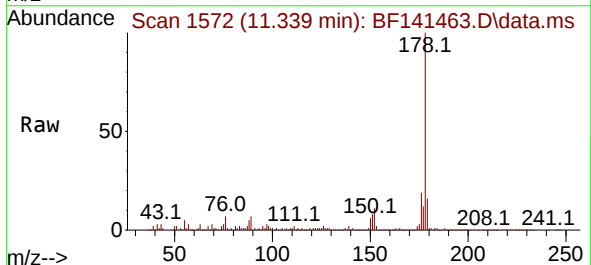
Manual Integrations
APPROVED

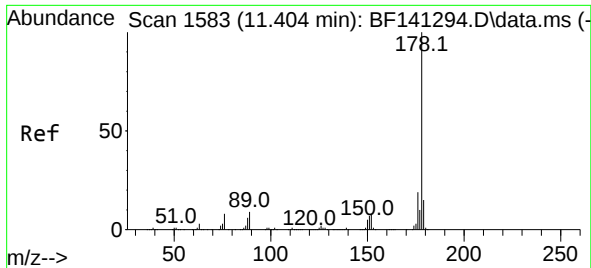
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#71
Phenanthrene
Concen: 24.718 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:178 Resp: 223918
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 15.6 12.5 18.7





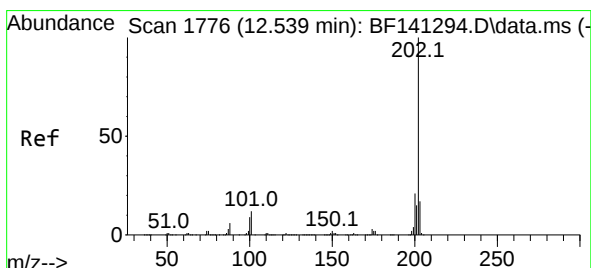
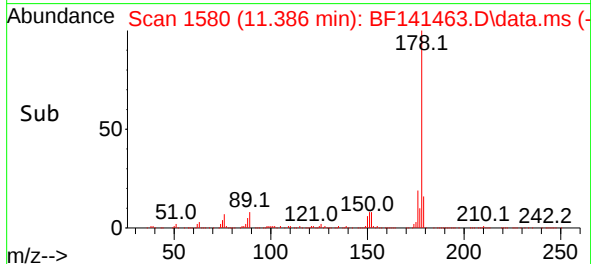
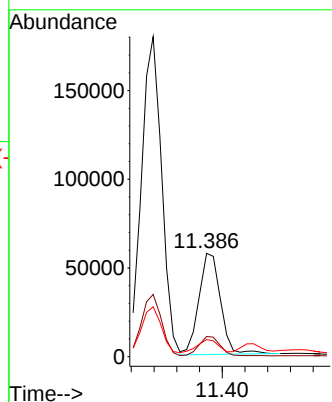
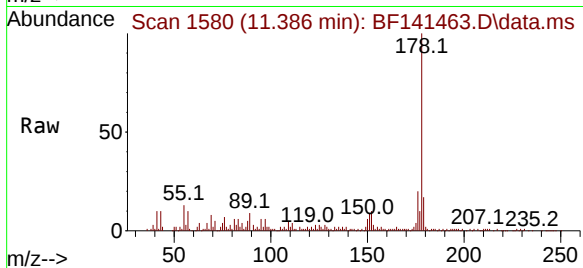
#72
 Anthracene
 Concen: 8.524 ng
 RT: 11.386 min Scan# 1583
 Delta R.T. -0.018 min
 Lab File: BF141463.D
 Acq: 05 Feb 2025 22:23

Instrument :
 BNA_F
 ClientSampleId :
 JPP-4.5-012725

Tgt Ion:178 Resp: 7566
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.0 22.6
 179 16.5 12.3 18.5

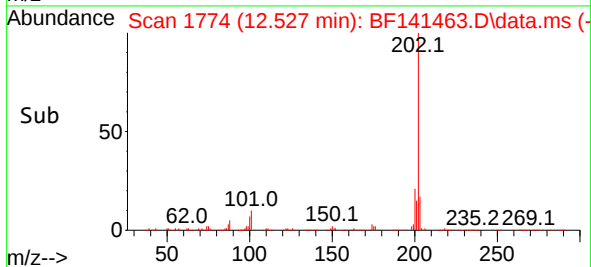
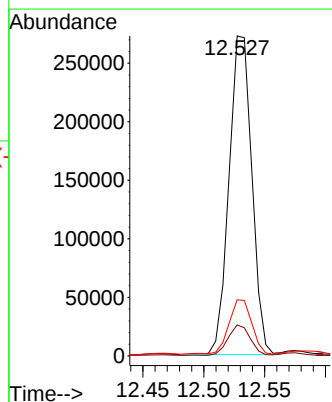
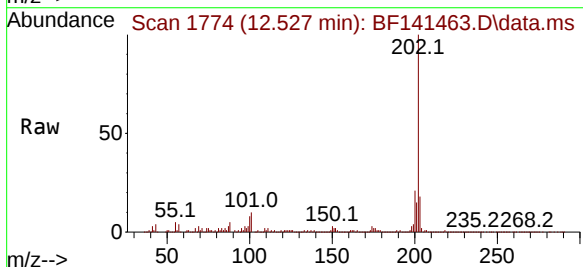
Manual Integrations
 APPROVED

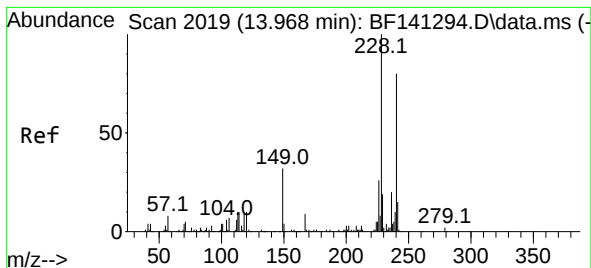
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#75
 Fluoranthene
 Concen: 39.756 ng
 RT: 12.527 min Scan# 1774
 Delta R.T. -0.012 min
 Lab File: BF141463.D
 Acq: 05 Feb 2025 22:23

Tgt Ion:202 Resp: 355598
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 31.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.012 min

Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Instrument :

BNA_F

ClientSampleId :

JPP-4.5-012725

Tgt Ion:240 Resp: 14267

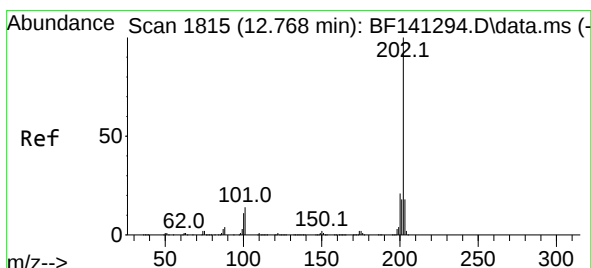
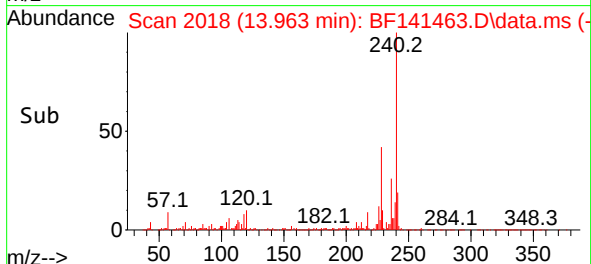
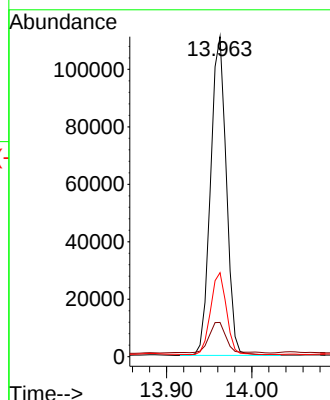
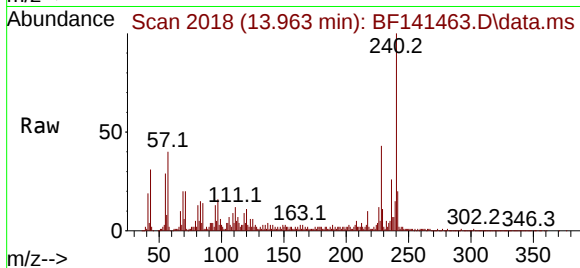
Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.0	15.0
236	26.3	19.7	29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 24.343 ng

RT: 12.757 min Scan# 1813

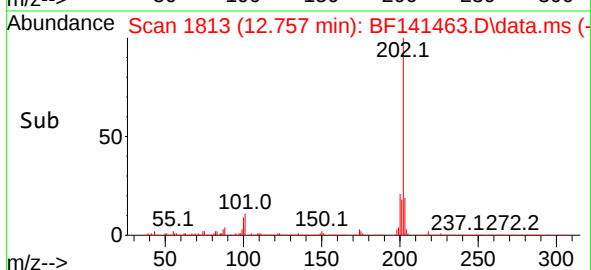
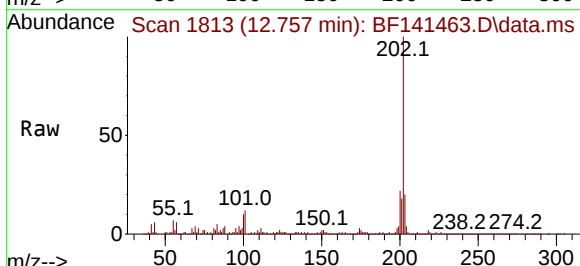
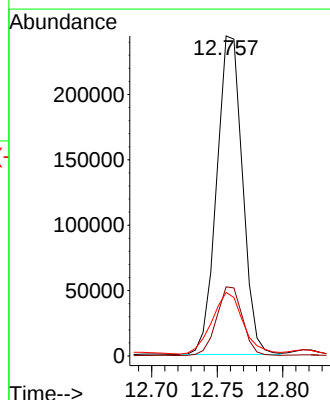
Delta R.T. -0.012 min

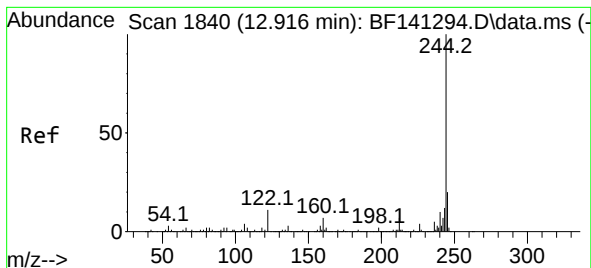
Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Tgt Ion:202 Resp: 333381

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	19.9	14.3	21.5





#79

Terphenyl-d14

Concen: 41.025 ng

RT: 12.904 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Instrument :

BNA_F

ClientSampleId :

JPP-4.5-012725

Tgt Ion:244 Resp: 37952

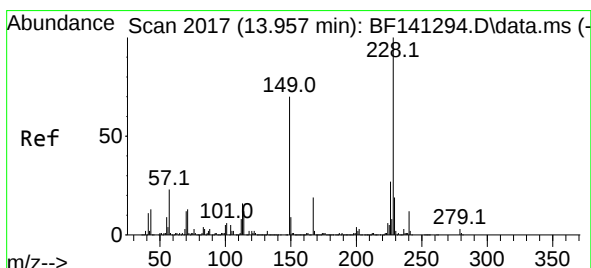
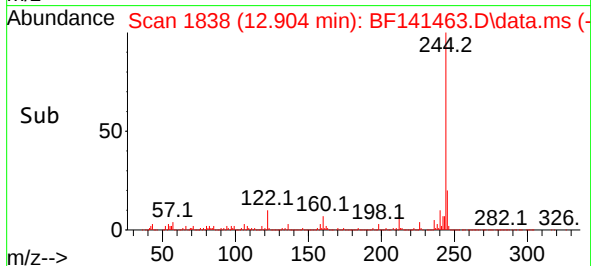
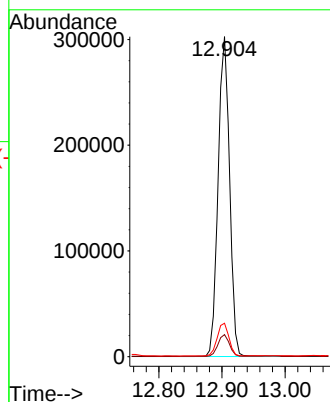
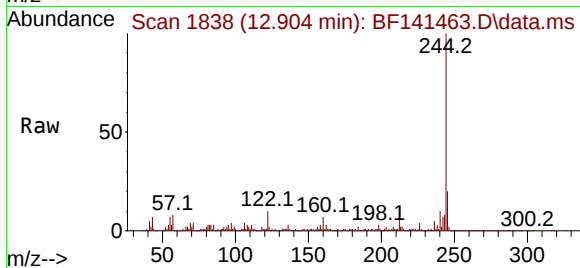
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.4	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#81

Benzo(a)anthracene

Concen: 14.703 ng

RT: 13.951 min Scan# 2016

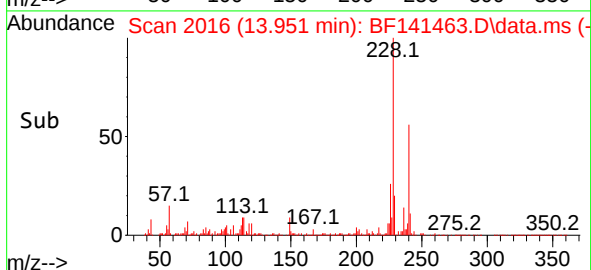
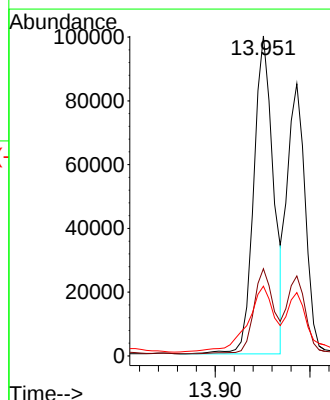
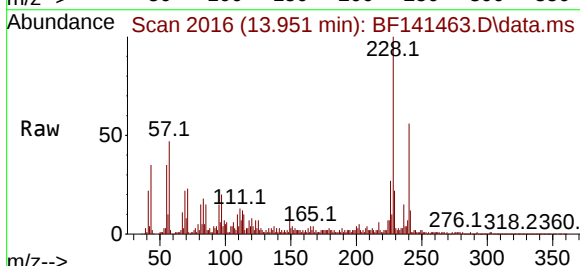
Delta R.T. -0.012 min

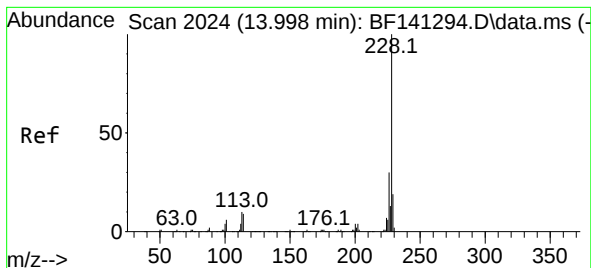
Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Tgt Ion:228 Resp: 144755

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	21.8	15.5	23.3





#83

Chrysene

Concen: 12.363 ng

RT: 13.986 min Scan# 2015

Delta R.T. -0.012 min

Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Instrument :

BNA_F

ClientSampleId :

JPP-4.5-012725

Tgt Ion:228 Resp: 11155

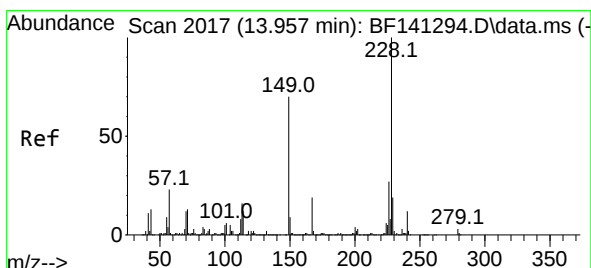
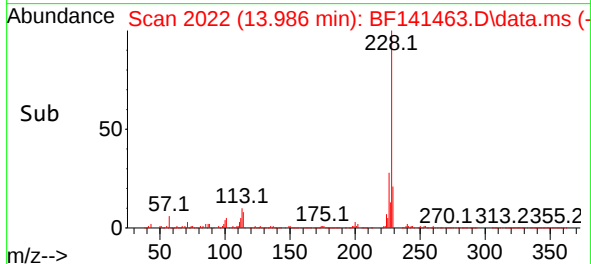
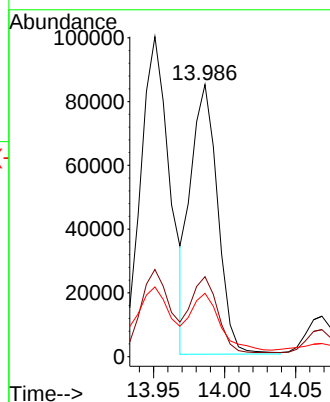
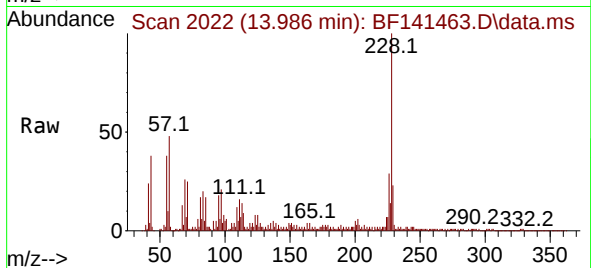
Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	23.3	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.573 ng

RT: 13.945 min Scan# 2015

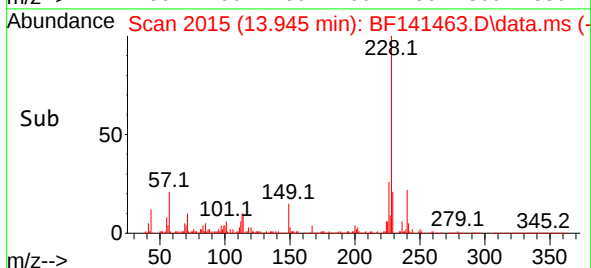
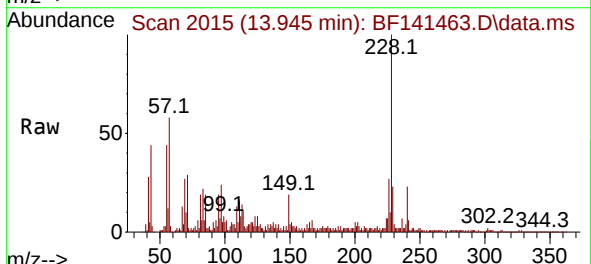
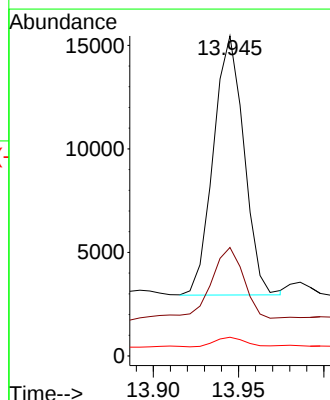
Delta R.T. -0.012 min

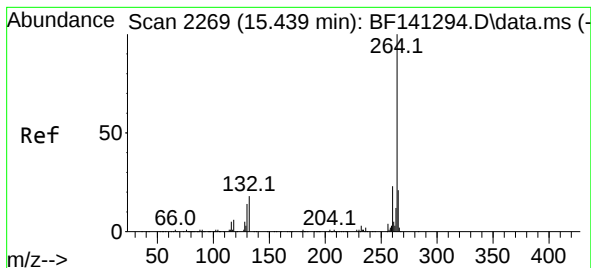
Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Tgt Ion:149 Resp: 15617

Ion	Ratio	Lower	Upper
149	100		
167	33.9	21.8	32.8#
279	5.9	3.3	4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Instrument :

BNA_F

ClientSampleId :

JPP-4.5-012725

Tgt Ion:264 Resp: 10371

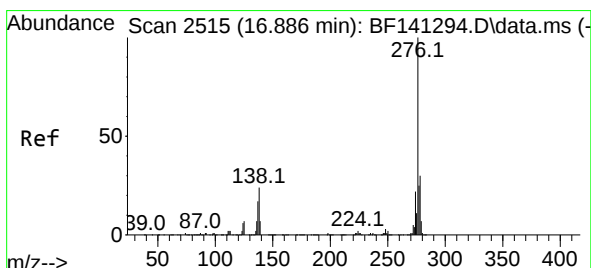
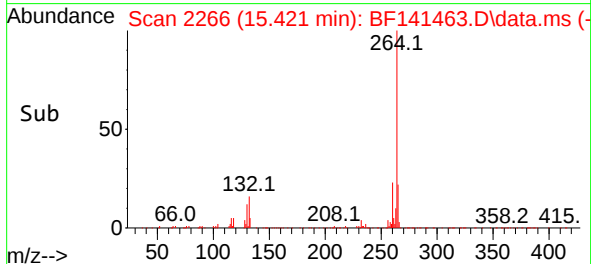
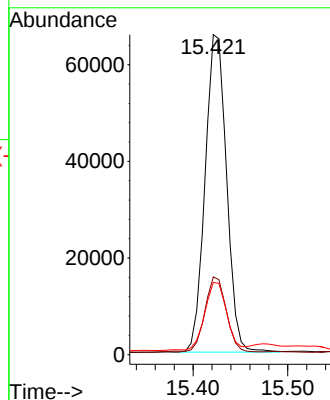
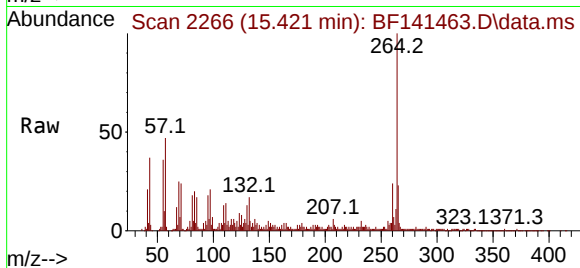
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.6	27.8
265	22.6	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.124 ng

RT: 16.862 min Scan# 2511

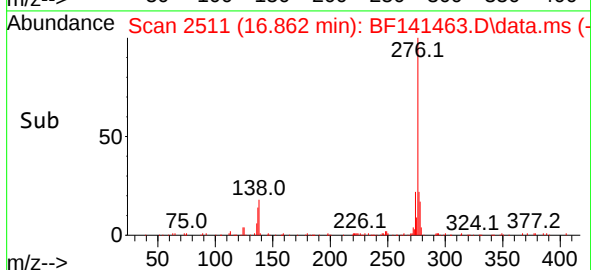
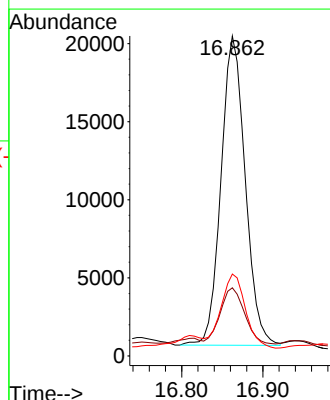
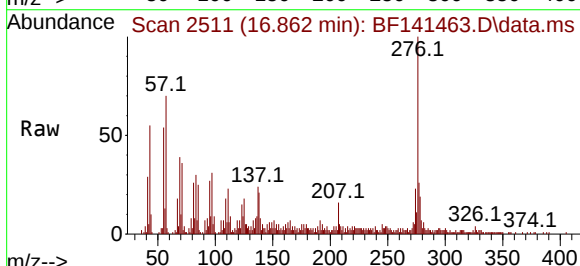
Delta R.T. -0.035 min

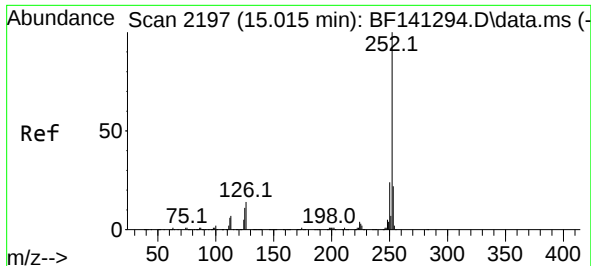
Lab File: BF141463.D

Acq: 05 Feb 2025 22:23

Tgt Ion:276 Resp: 40993

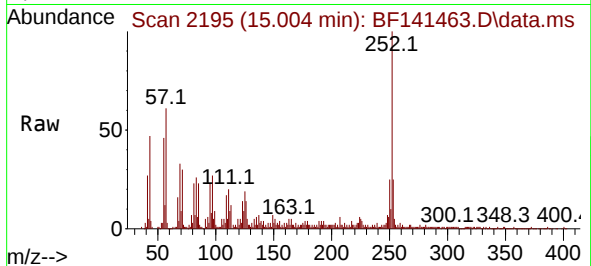
Ion	Ratio	Lower	Upper
276	100		
138	18.2	21.7	32.5
277	24.4	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 15.631 ng m
RT: 15.004 min Scan# 2197
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

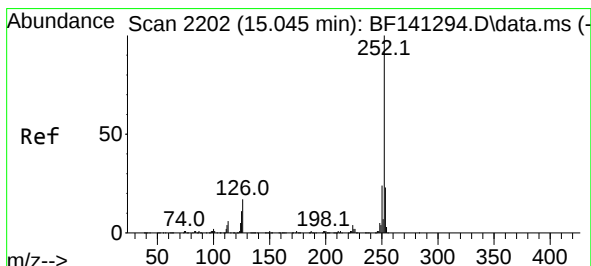
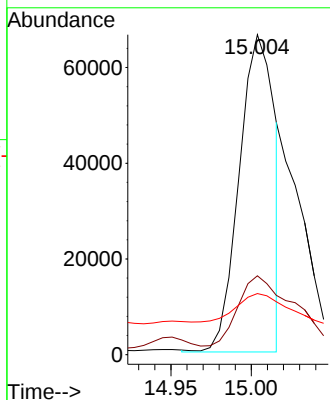
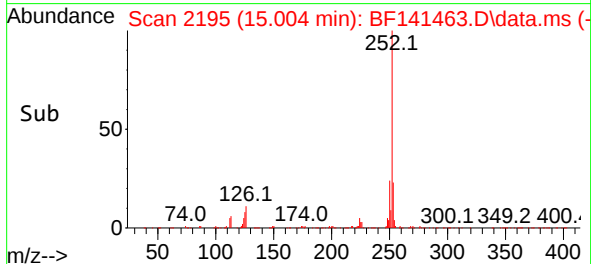
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725



Tgt Ion:252 Resp: 10197
Ion Ratio Lower Upper
252 100
253 24.6 17.4 26.2
125 19.1 8.6 12.8

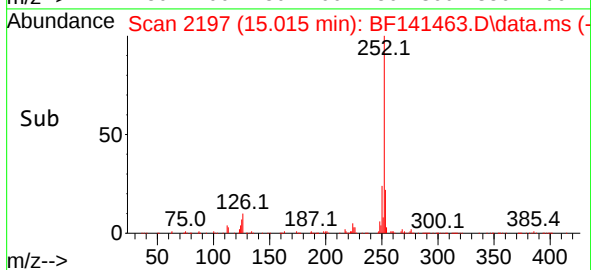
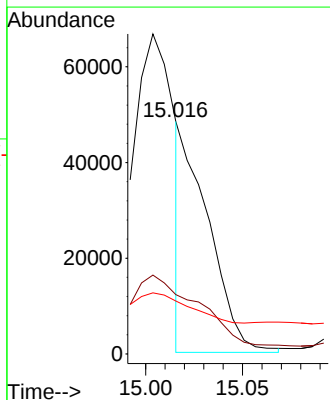
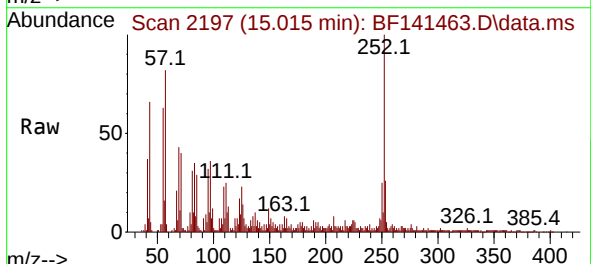
Manual Integrations
APPROVED

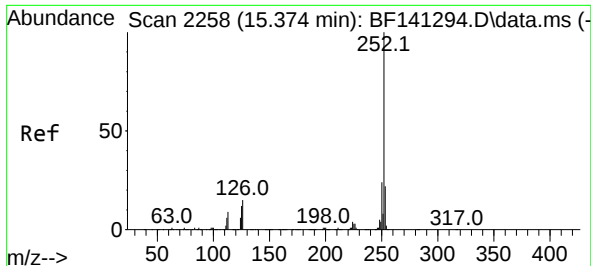
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#89
Benzo(k)fluoranthene
Concen: 8.002 ng m
RT: 15.015 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

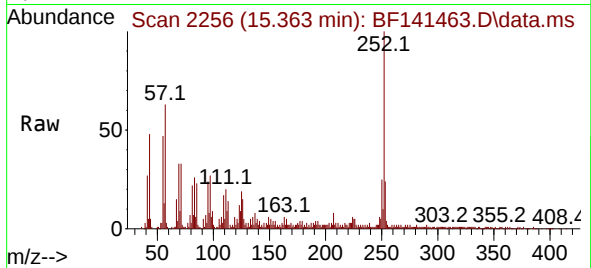
Tgt Ion:252 Resp: 46247
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 22.8 8.4 12.6





#90
Benzo(a)pyrene
Concen: 14.265 ng
RT: 15.363 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

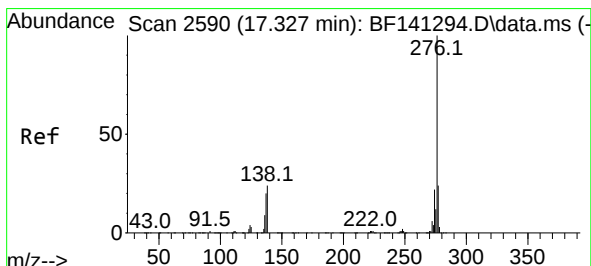
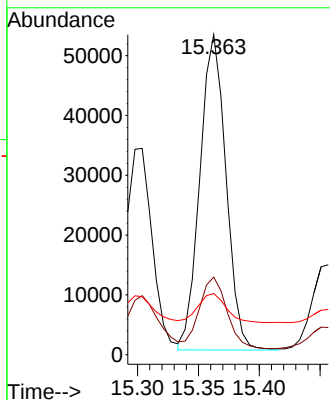
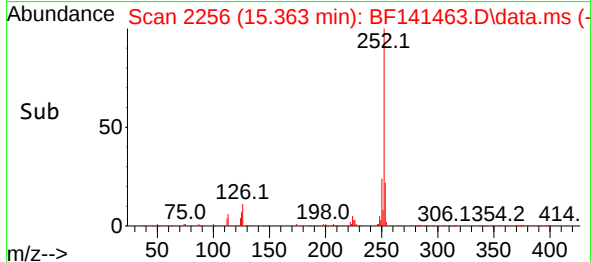
Instrument :
BNA_F
ClientSampleId :
JPP-4.5-012725



Tgt Ion:252 Resp: 78640
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 19.1 9.4 14.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 7.720 ng
RT: 17.304 min Scan# 2586
Delta R.T. -0.041 min
Lab File: BF141463.D
Acq: 05 Feb 2025 22:23

Tgt Ion:276 Resp: 43228
Ion Ratio Lower Upper
276 100
277 26.5 19.2 28.8
138 20.5 19.0 28.4

