

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141519.D
 Acq On : 07 Feb 2025 20:21
 Operator : RC/JU
 Sample : Q1232-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 07 22:26:57 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	6.792	152	70012	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	264489	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	130756	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	201587	20.000	ng	0.00
76) Chrysene-d12	13.963	240	129006	20.000	ng	0.00
86) Perylene-d12	15.421	264	98648	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	315729	70.700	ng	0.00
7) Phenol-d6	6.428	99	443740	78.616	ng	-0.01
23) Nitrobenzene-d5	7.351	82	282536	55.717	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	38267	29.134	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	530802	62.542	ng	0.00
79) Terphenyl-d14	12.904	244	487603	63.808	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	29039	2.109	ng	98
52) Acenaphthene	9.857	154	36793	4.908	ng	98
55) Dibenzofuran	10.033	168	30877	2.806	ng	# 97
58) Fluorene	10.374	166	43599	5.125	ng	99
71) Phenanthrene	11.339	178	684559	61.692	ng	100
72) Anthracene	11.392	178	229751	20.597	ng	100
73) Carbazole	11.545	167	24372	2.428	ng	93
75) Fluoranthene	12.539	202	1436009	122.064	ng	99
78) Pyrene	12.768	202	1402000	127.665	ng	99
81) Benzo(a)anthracene	13.951	228	688257	80.259	ng	97
83) Chrysene	13.992	228	472332	59.652	ng	96
84) Bis(2-ethylhexyl)phtha...	13.939	149	17258	4.023	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.868	276	248666	40.796	ng	96
88) Benzo(b)fluoranthene	15.004	252	599929m	90.573	ng	
89) Benzo(k)fluoranthene	15.015	252	201566m	35.637	ng	
90) Benzo(a)pyrene	15.362	252	444248	82.887	ng	97
91) Dibenzo(a,h)anthracene	16.874	278	62555	12.666	ng	# 88
92) Benzo(g,h,i)perylene	17.303	276	237741	45.998	ng	98

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

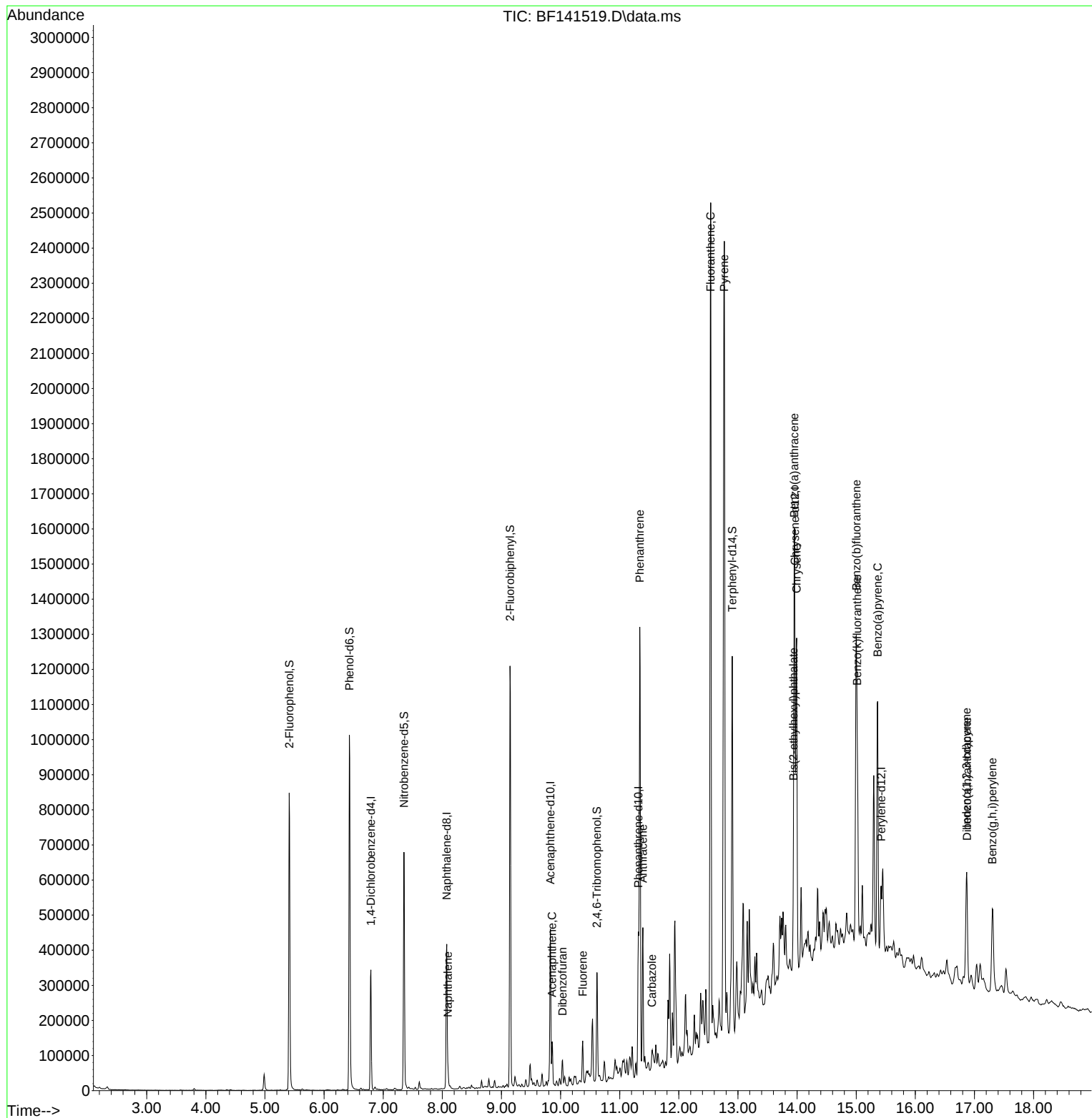
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141519.D
Acq On : 07 Feb 2025 20:21
Operator : RC/JU
Sample : Q1232-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

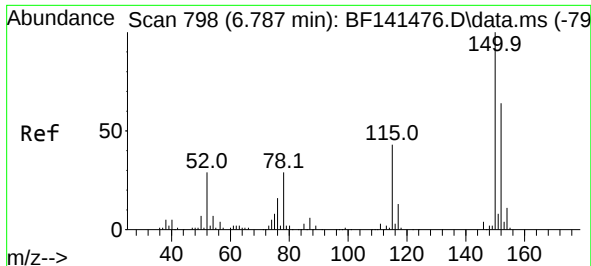
Instrument :
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ClientSampleId :
JPP-42.2-012925

Quant Time: Feb 07 22:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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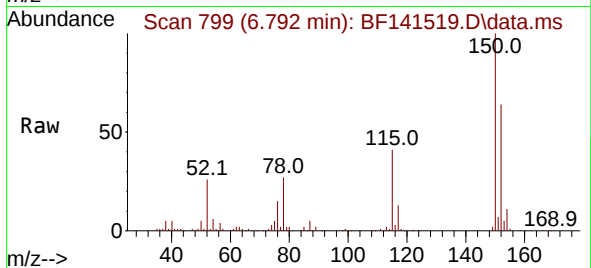
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

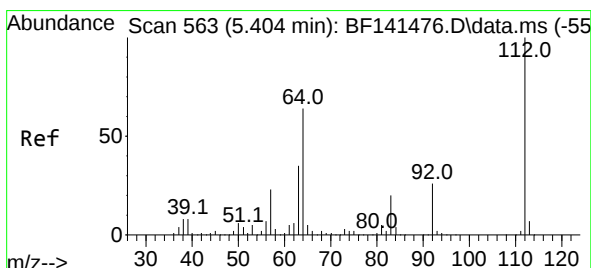
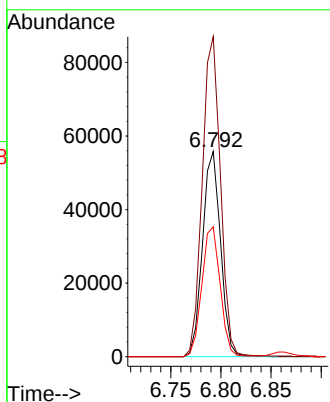
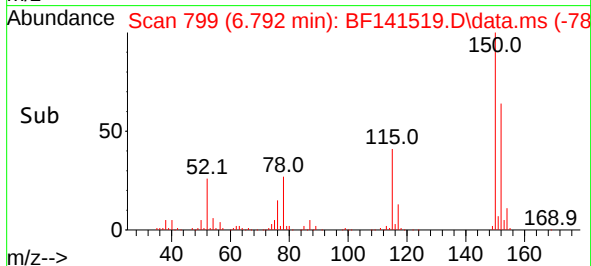
Instrument :
BNA_F
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JPP-42.2-012925



Tgt Ion:152 Resp: 70012
Ion Ratio Lower Upper
152 100
150 155.9 125.0 187.4
115 63.2 53.6 80.4

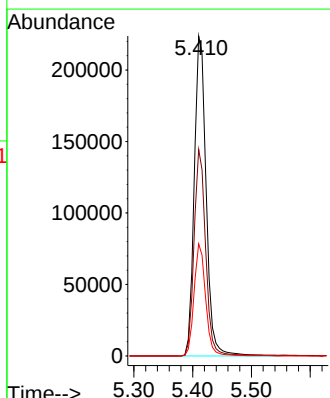
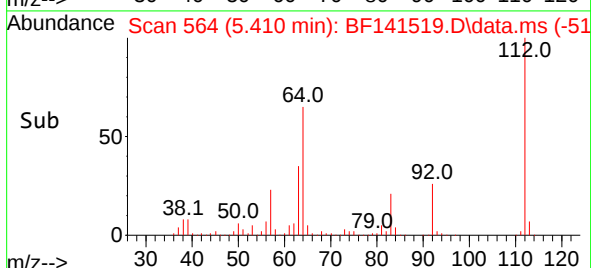
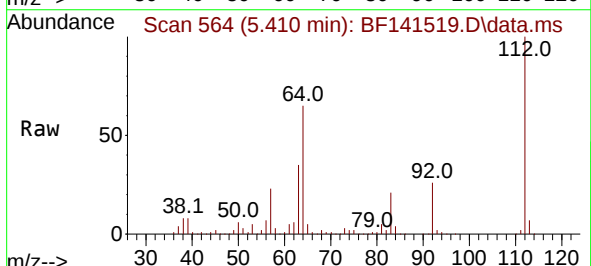
Manual Integrations
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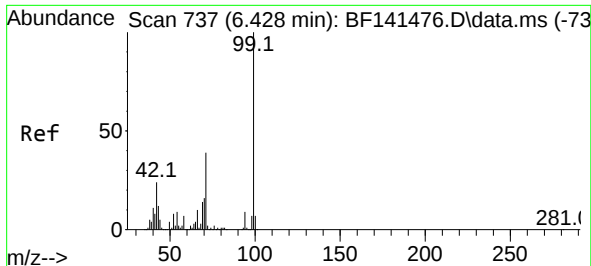
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 70.700 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

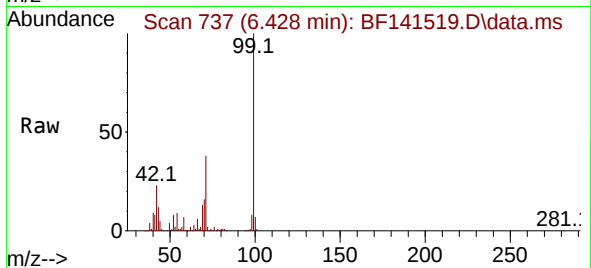
Tgt Ion:112 Resp: 315729
Ion Ratio Lower Upper
112 100
64 64.6 51.1 76.7
63 35.1 28.4 42.6





#7
Phenol-d6
Concen: 78.616 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

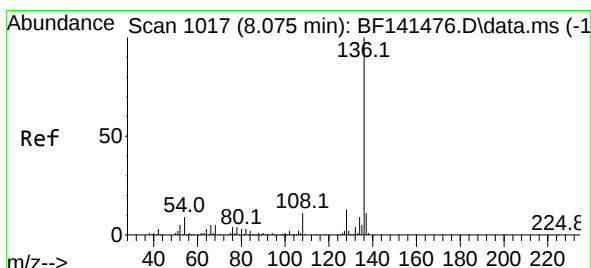
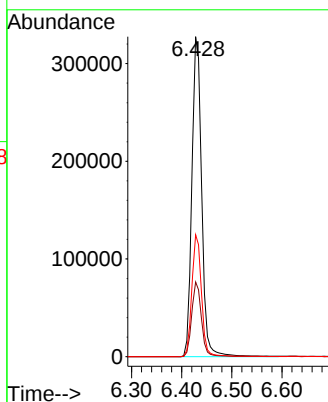
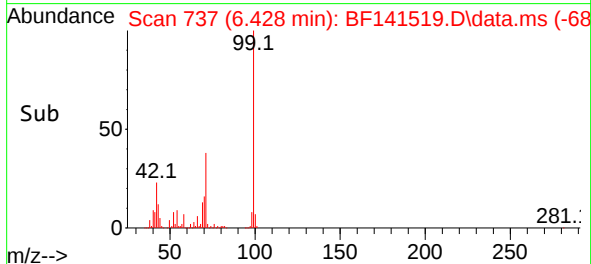
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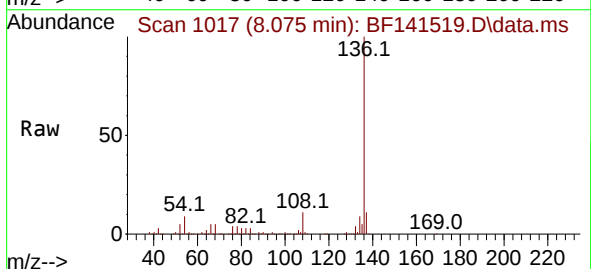
Tgt Ion: 99 Resp: 443740
Ion Ratio Lower Upper
99 100
42 23.4 19.1 28.7
71 38.1 31.1 46.7

Manual Integrations
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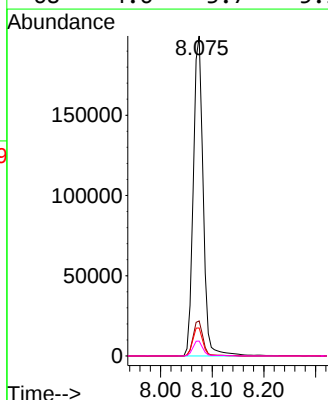
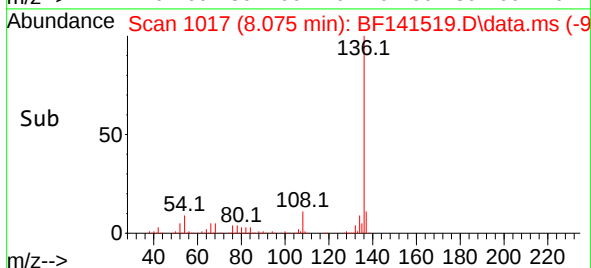
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

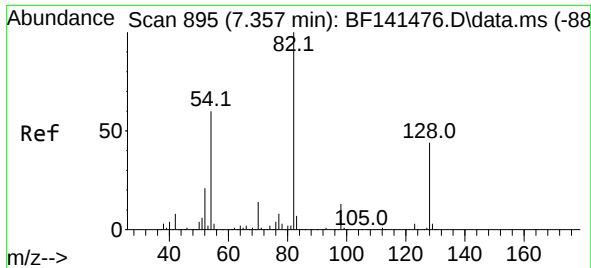


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21



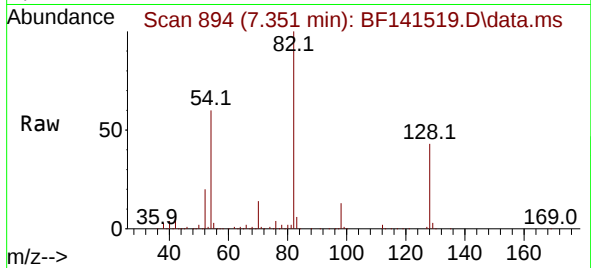
Tgt Ion:136 Resp: 264489
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.2 10.8
68 4.6 3.7 5.5





#23
Nitrobenzene-d5
Concen: 55.717 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

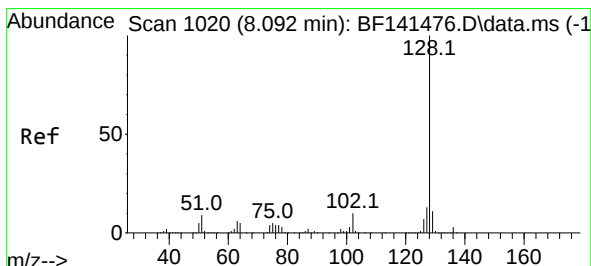
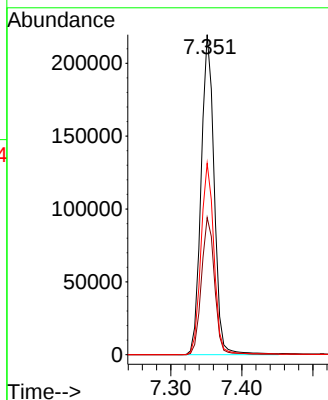
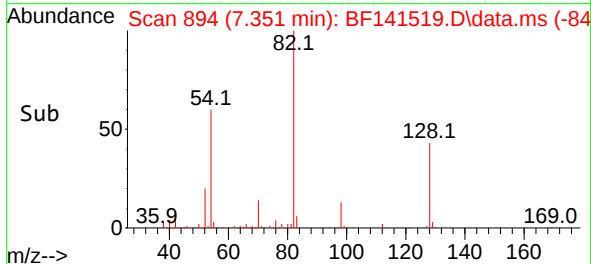
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



Tgt Ion: 82 Resp: 282530
Ion Ratio Lower Upper
82 100
128 42.9 34.8 52.2
54 59.8 48.2 72.4

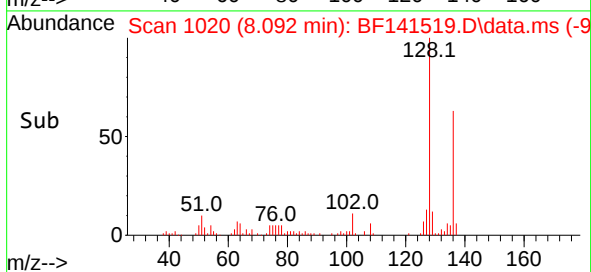
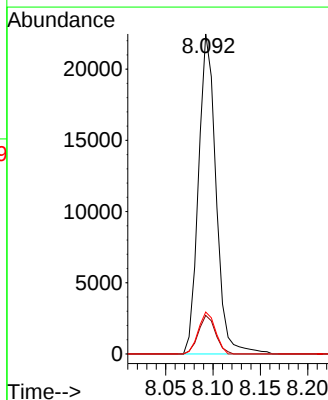
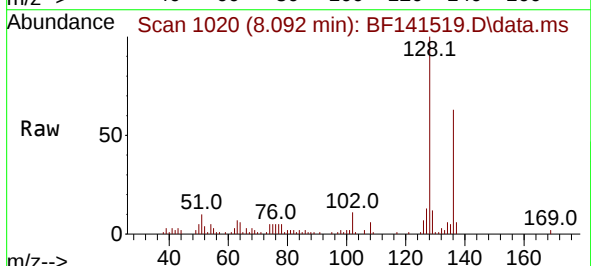
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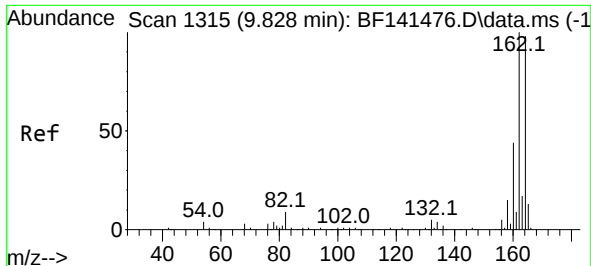
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#31
Naphthalene
Concen: 2.109 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:128 Resp: 29039
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 13.1 10.7 16.1





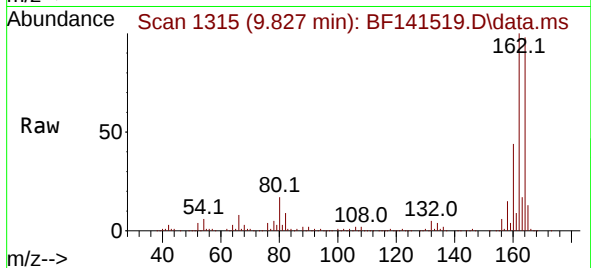
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925



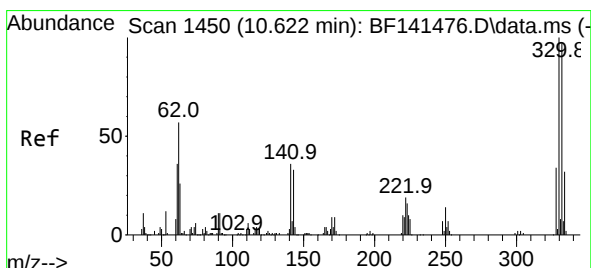
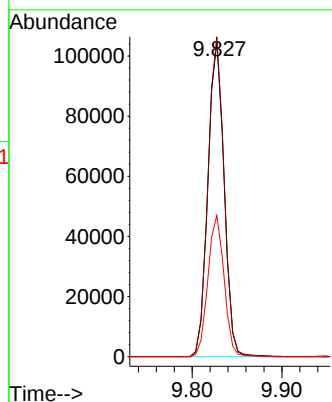
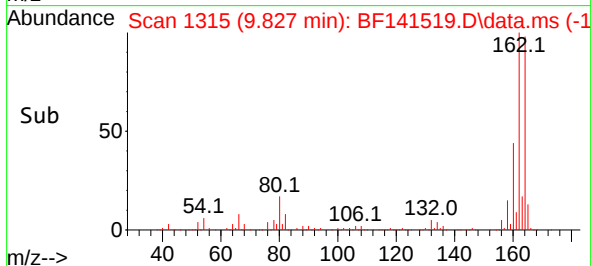
Tgt Ion:164 Resp: 130750
Ion Ratio Lower Upper
164 100
162 101.7 81.3 121.9
160 44.9 35.9 53.9

Manual Integrations

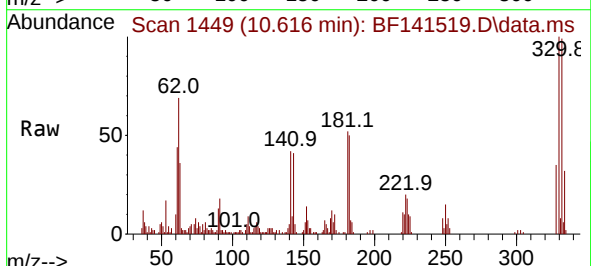
APPROVED

Reviewed By :Rahul Chavli 02/10/2025

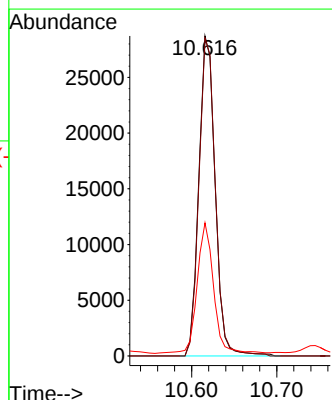
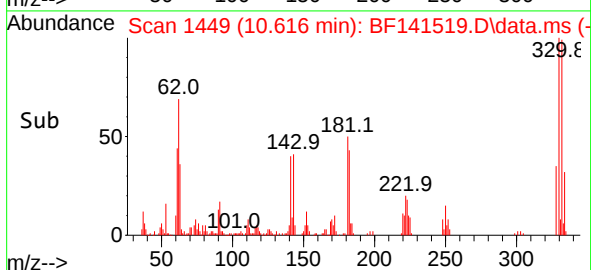
Supervised By :mohammad ahmed 02/12/2025

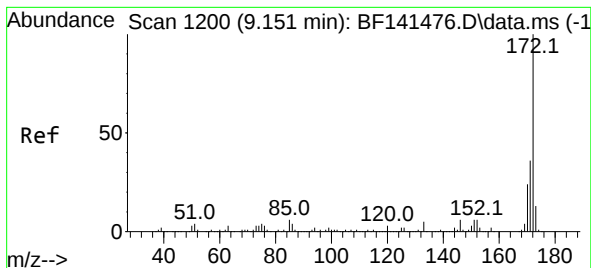


#42
2,4,6-Tribromophenol
Concen: 29.134 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21



Tgt Ion:330 Resp: 38267
Ion Ratio Lower Upper
330 100
332 99.4 78.5 117.7
141 41.0 31.0 46.4





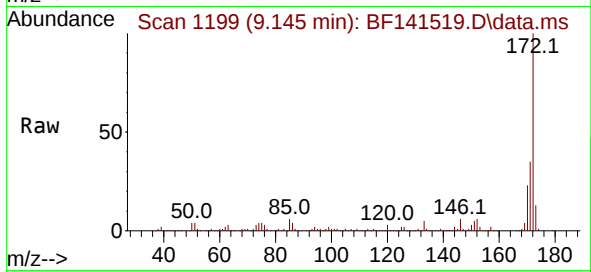
#45
2-Fluorobiphenyl
Concen: 62.542 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

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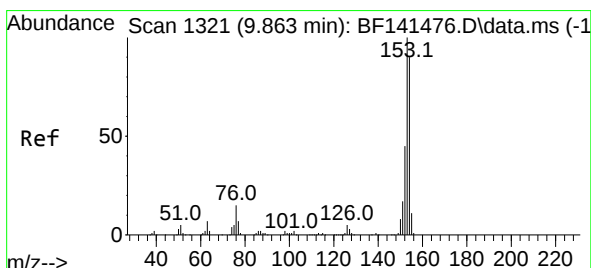
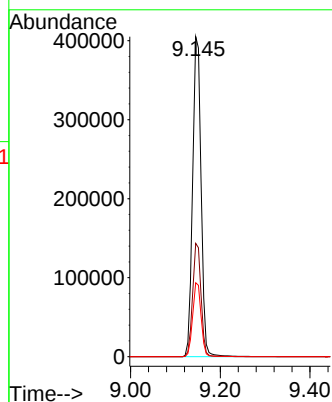
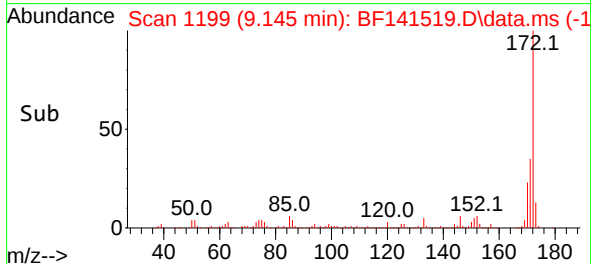
Tgt Ion:172 Resp: 53080
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.1 18.9 28.3

Manual Integrations

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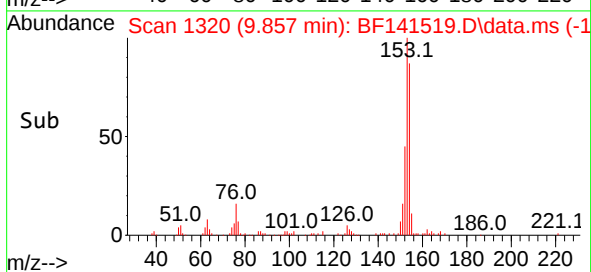
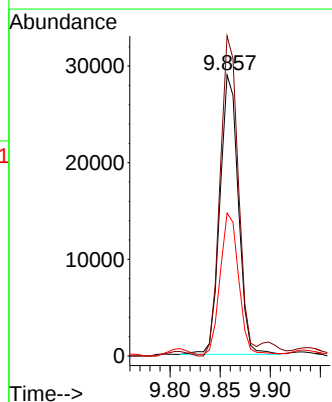
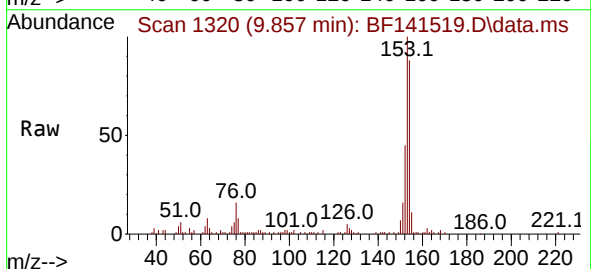
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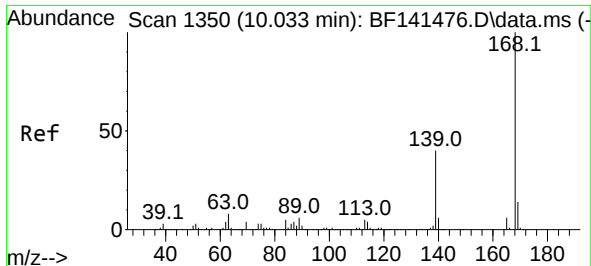
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 4.908 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

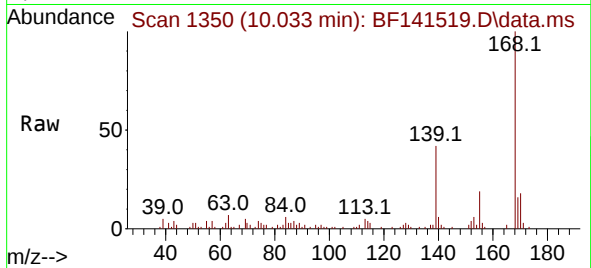
Tgt Ion:154 Resp: 36793
Ion Ratio Lower Upper
154 100
153 113.9 89.2 133.8
152 50.9 39.8 59.8





#55
Dibenzenofuran
Concen: 2.806 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

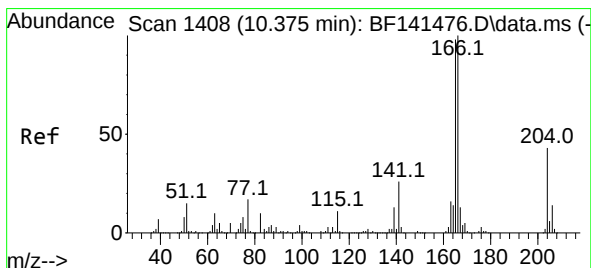
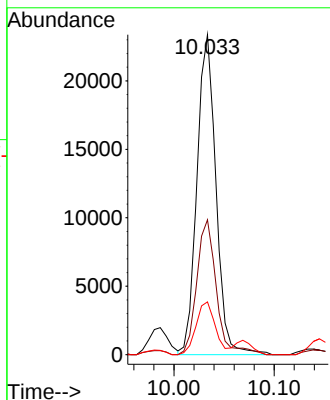
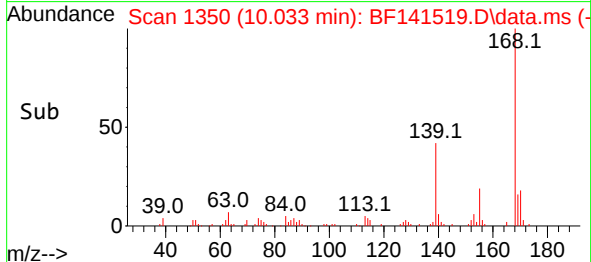
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



Tgt Ion:168 Resp: 3087
Ion Ratio Lower Upper
168 100
139 42.2 32.7 49.1
169 16.5 10.8 16.2

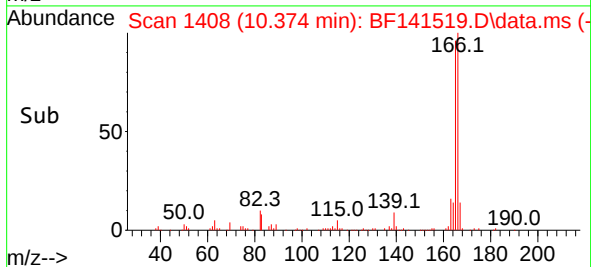
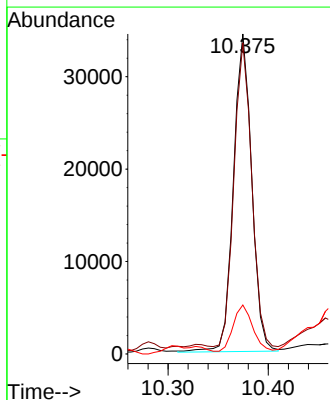
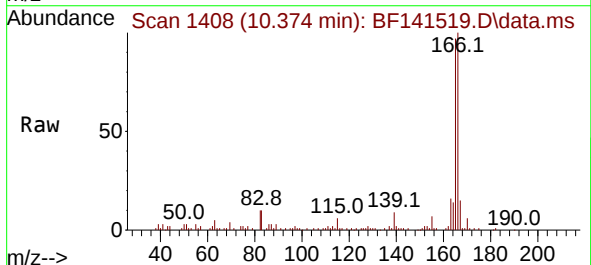
Manual Integrations
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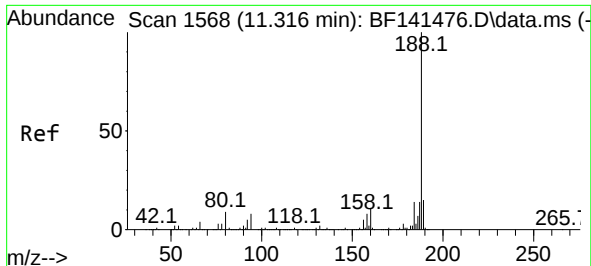
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#58
Fluorene
Concen: 5.125 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

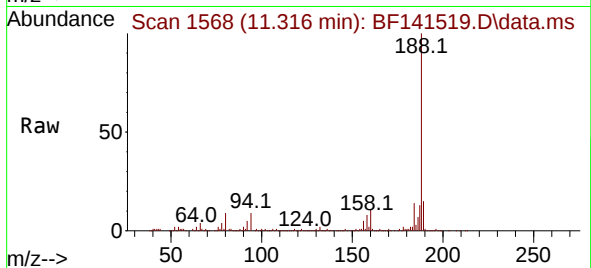
Tgt Ion:166 Resp: 43599
Ion Ratio Lower Upper
166 100
165 97.2 78.2 117.2
167 15.3 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

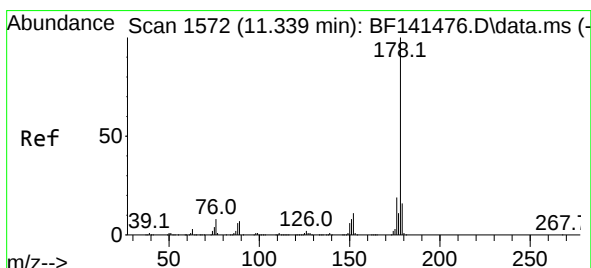
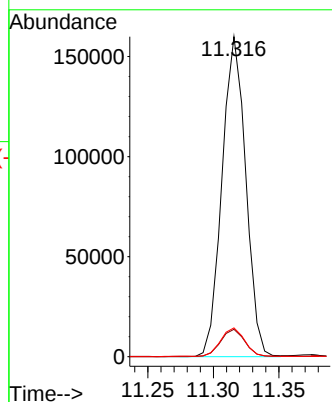
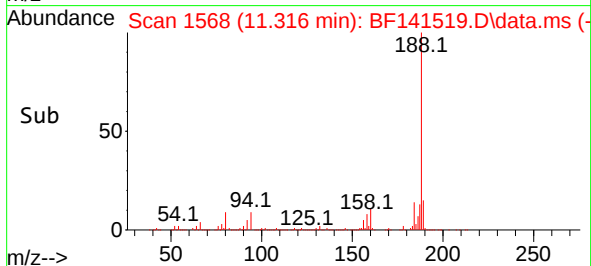
Instrument :
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JPP-42.2-012925



Tgt Ion:188 Resp: 20158
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 9.0 7.3 10.9

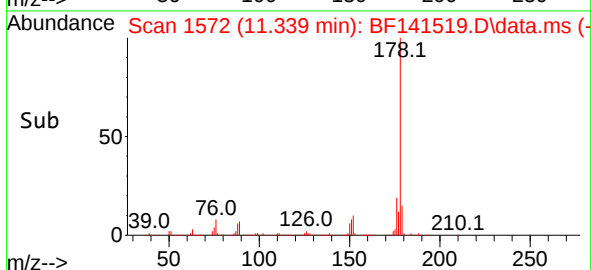
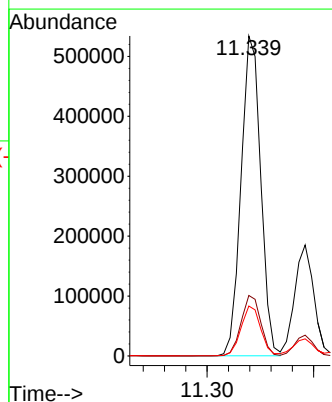
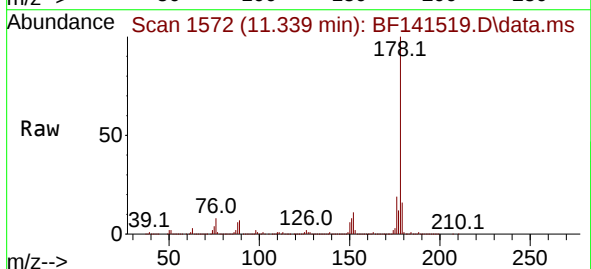
Manual Integrations
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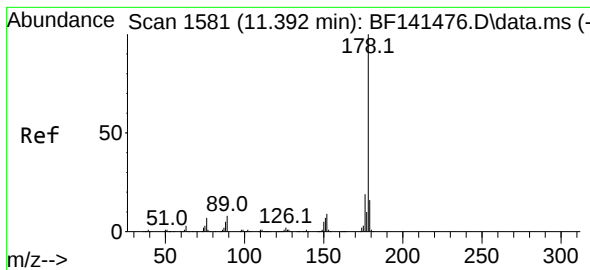
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#71
Phenanthrene
Concen: 61.692 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

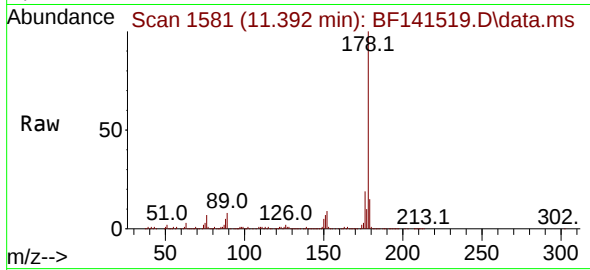
Tgt Ion:178 Resp: 684559
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 20.597 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

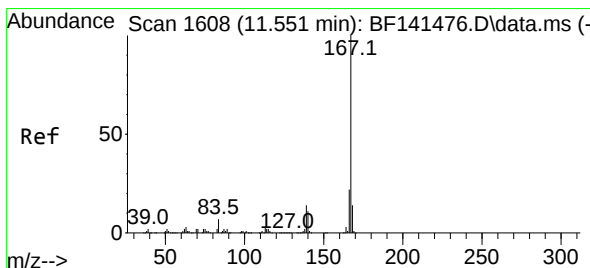
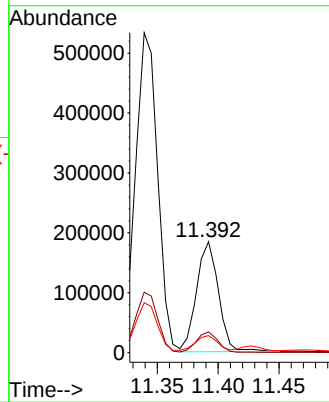
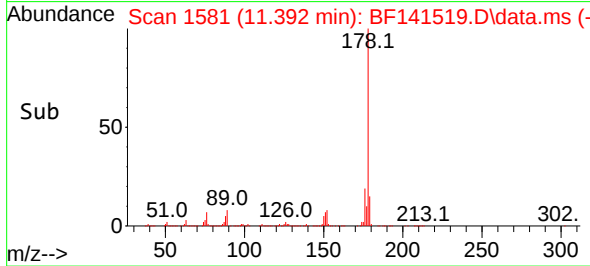
Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.2-012925



Tgt Ion:178 Resp: 22975
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.4 12.4 18.6

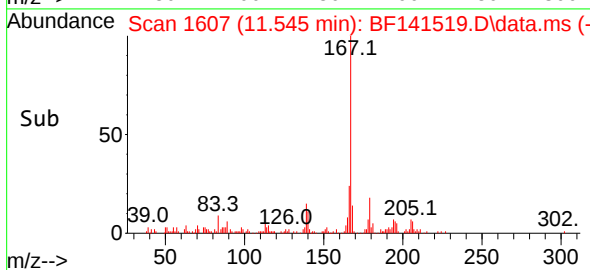
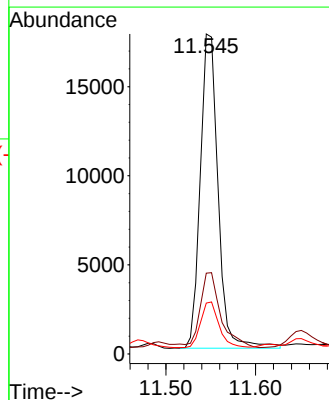
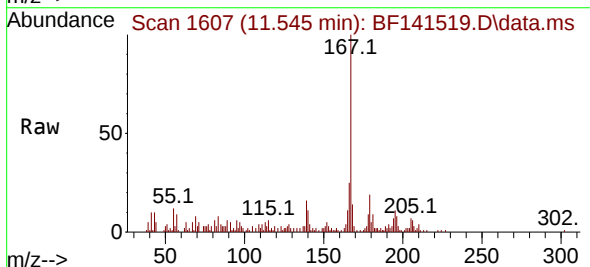
Manual Integrations
 APPROVED

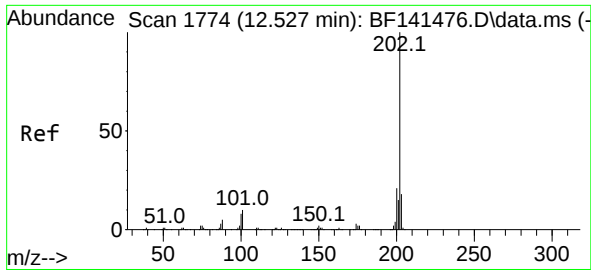
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#73
 Carbazole
 Concen: 2.428 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF141519.D
 Acq: 07 Feb 2025 20:21

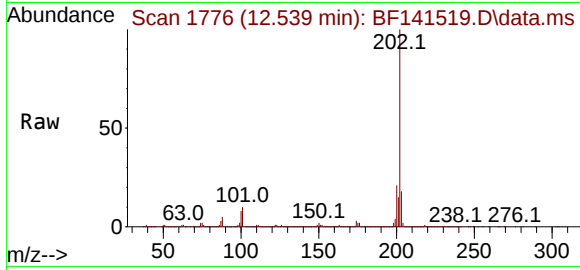
Tgt Ion:167 Resp: 24372
 Ion Ratio Lower Upper
 167 100
 166 25.2 17.4 26.2
 139 15.9 10.9 16.3





#75
Fluoranthene
Concen: 122.064 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

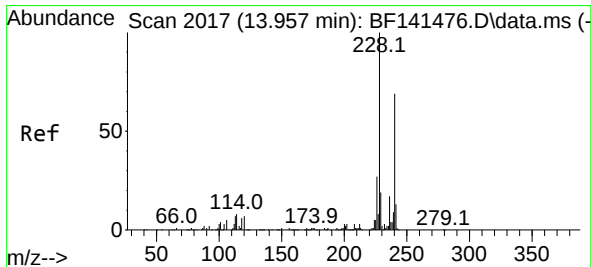
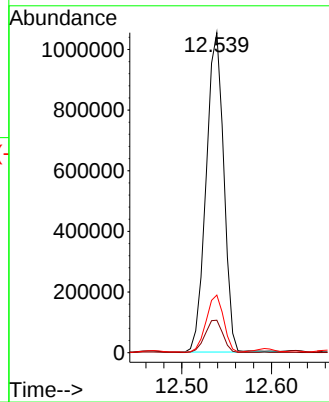
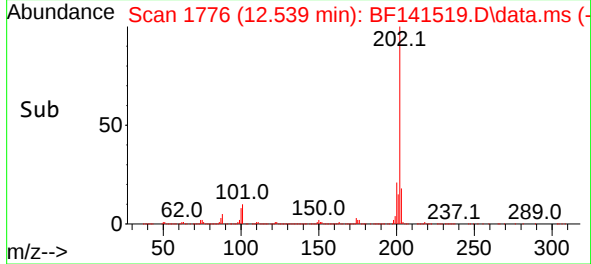
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



Tgt Ion:202 Resp: 1436009
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.2
203 18.0 0.0 37.6

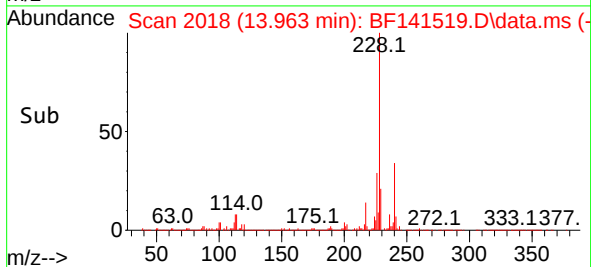
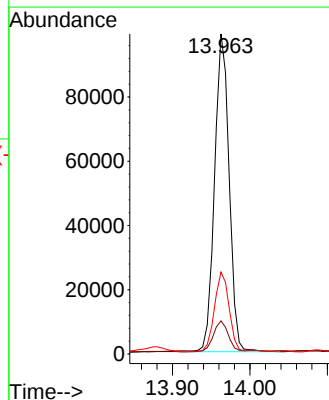
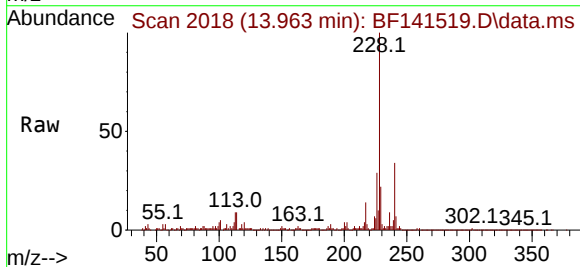
Manual Integrations
APPROVED

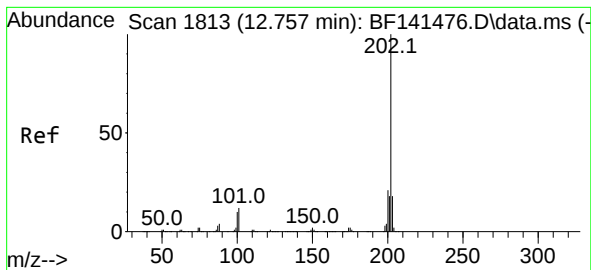
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:240 Resp: 129006
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 25.6 19.8 29.8





#78

Pyrene

Concen: 127.665 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

Tgt Ion:202 Resp: 1402000

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

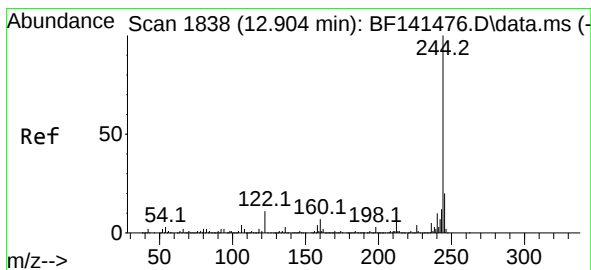
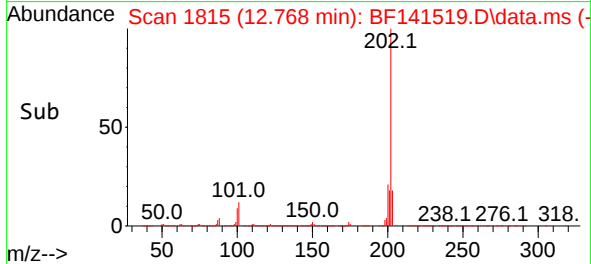
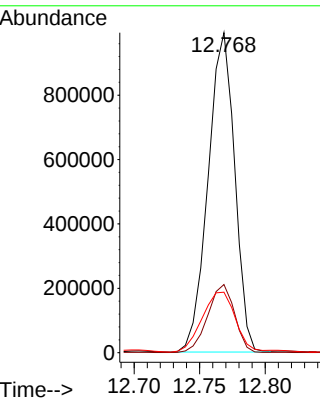
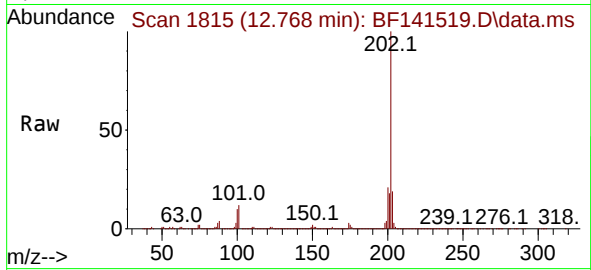
203 18.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 63.808 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

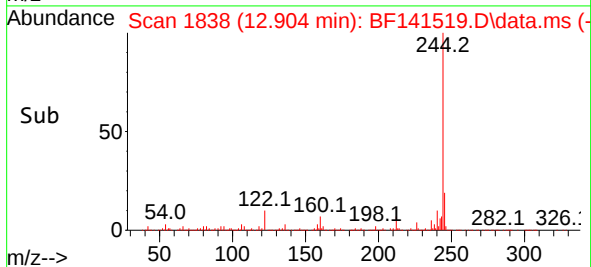
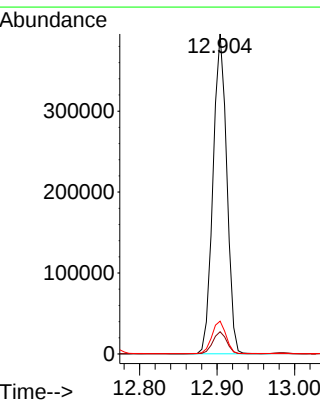
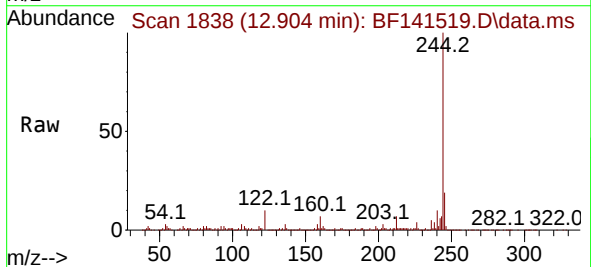
Tgt Ion:244 Resp: 487603

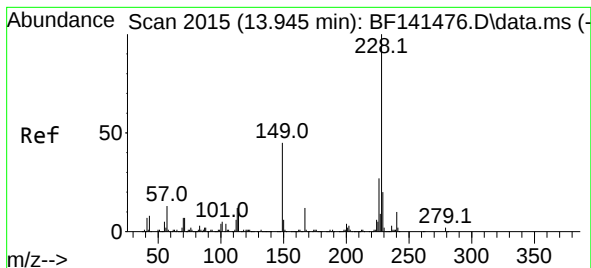
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.3 8.4 12.6





#81

Benzo(a)anthracene

Concen: 80.259 ng

RT: 13.951 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

Tgt Ion:228 Resp: 68825

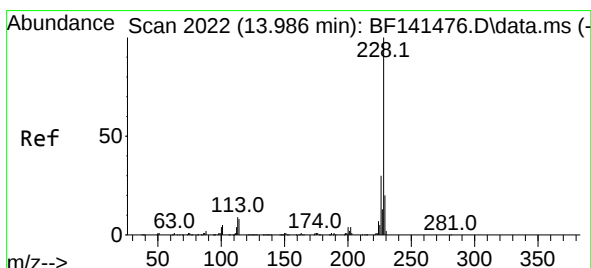
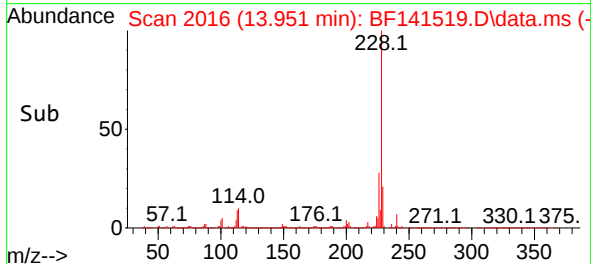
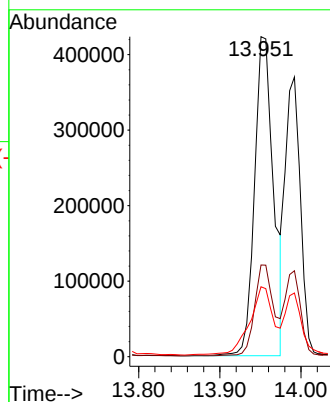
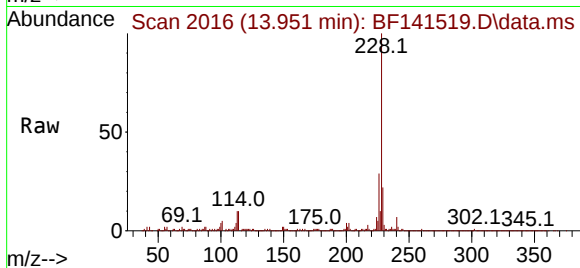
Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.8	32.8
229	21.9	15.8	23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#83

Chrysene

Concen: 59.652 ng

RT: 13.992 min Scan# 2023

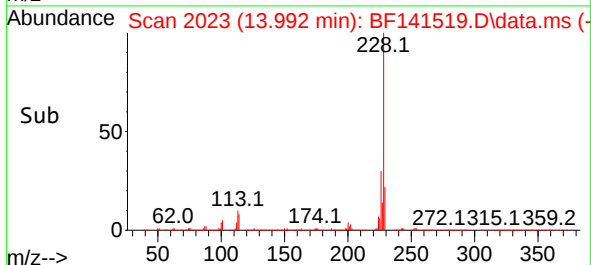
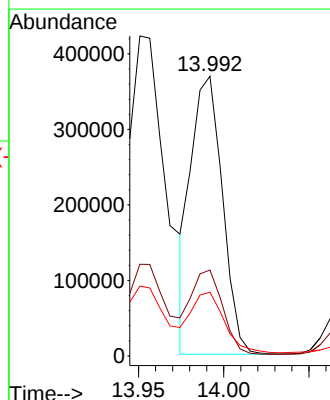
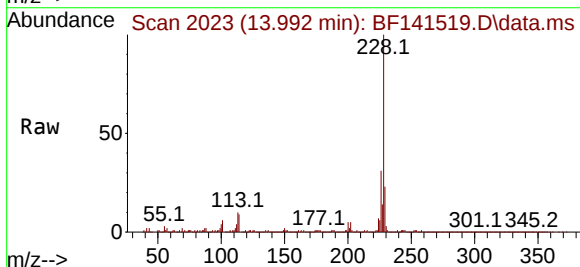
Delta R.T. 0.000 min

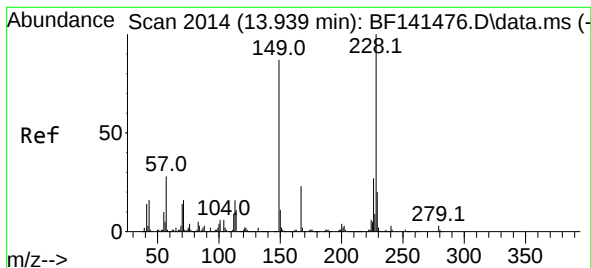
Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Tgt Ion:228 Resp: 472332

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	22.8	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.023 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

Tgt Ion:149 Resp: 1725

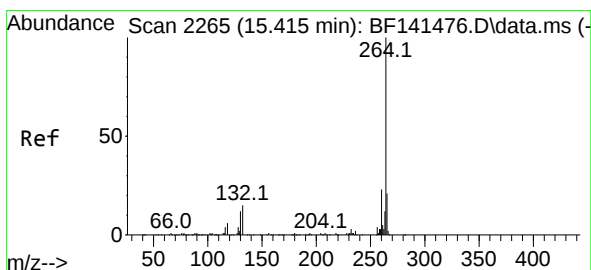
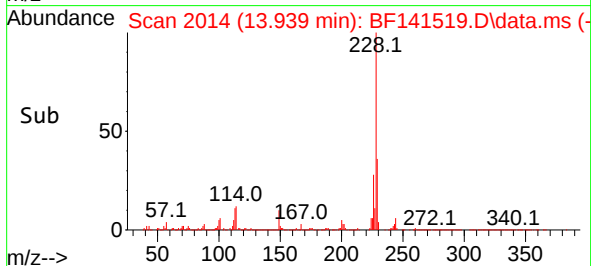
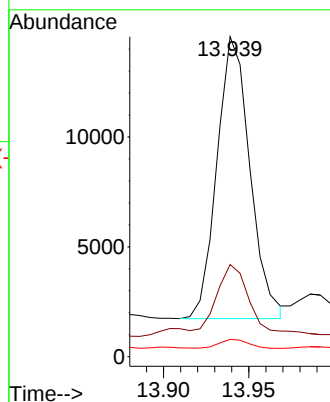
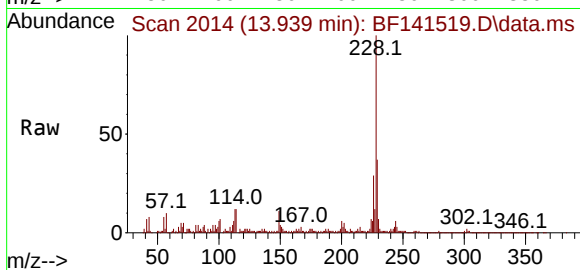
Ion	Ratio	Lower	Upper
149	100		
167	28.8	21.4	32.0
279	5.4	3.1	4.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

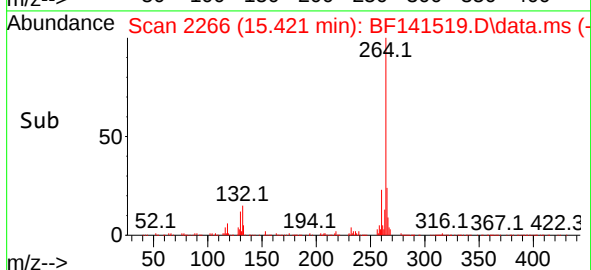
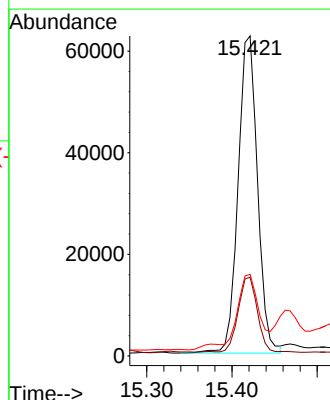
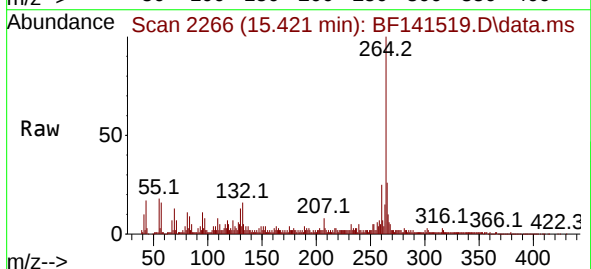
Delta R.T. 0.006 min

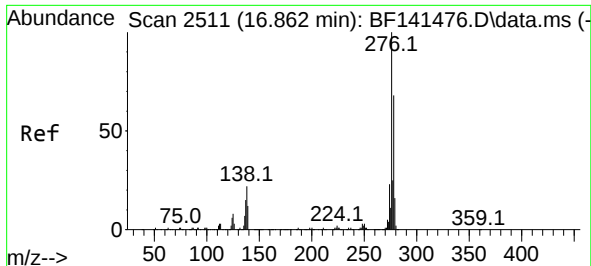
Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Tgt Ion:264 Resp: 98648

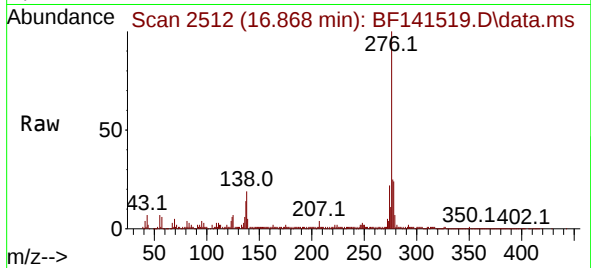
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.6	28.0
265	25.5	17.0	25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.796 ng
RT: 16.868 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

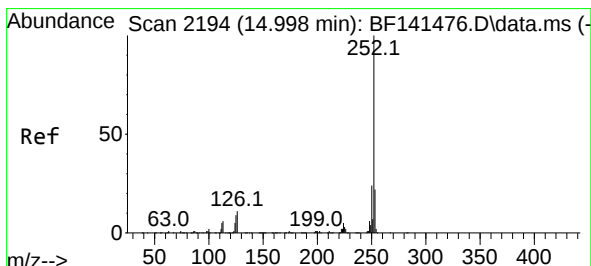
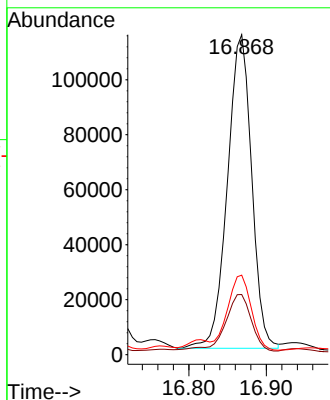
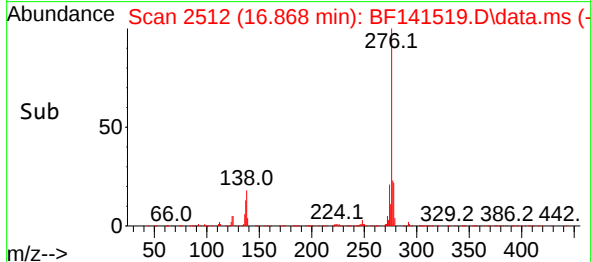
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



Tgt Ion:276 Resp: 248660
Ion Ratio Lower Upper
276 100
138 20.2 18.0 27.0
277 23.7 20.4 30.6

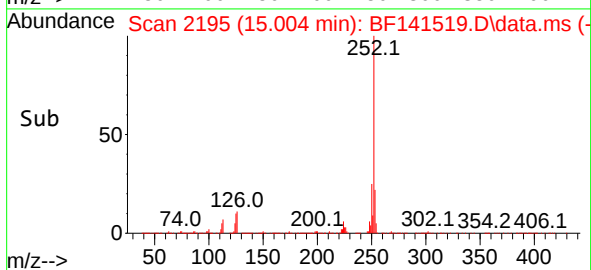
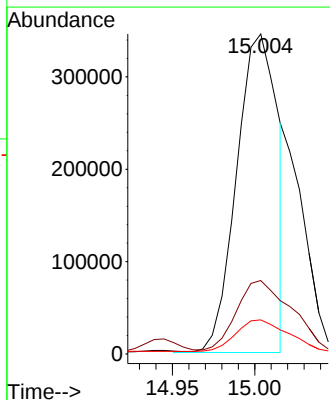
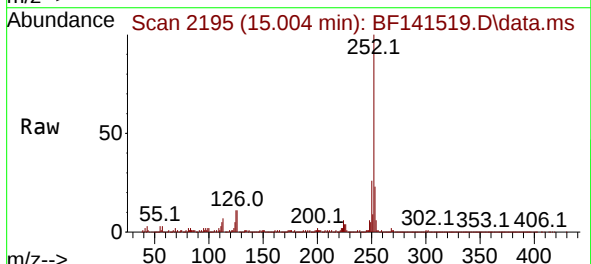
Manual Integrations
APPROVED

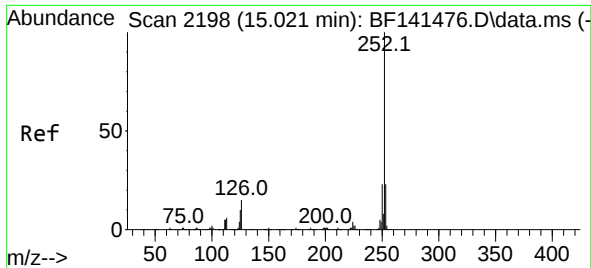
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#88
Benzo(b)fluoranthene
Concen: 90.573 ng m
RT: 15.004 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

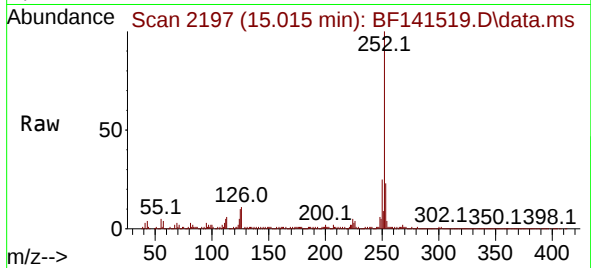
Tgt Ion:252 Resp: 599929
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.7 7.0 10.6#





#89
Benzo(k)fluoranthene
Concen: 35.637 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.018 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

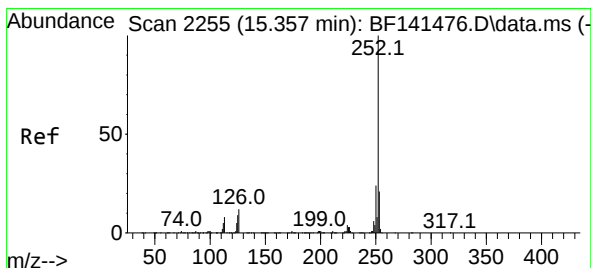
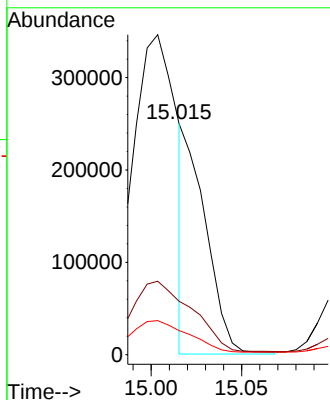
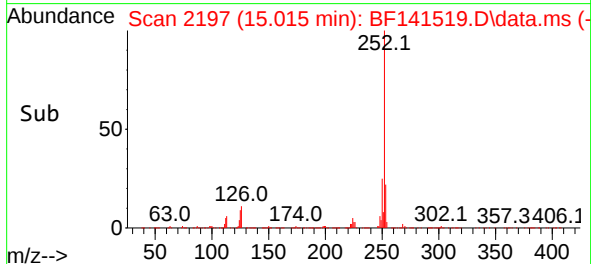
Instrument :
BNA_F
ClientSampleId :
JPP-42.2-012925



Tgt Ion:252 Resp: 201560
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.5 7.4 11.0

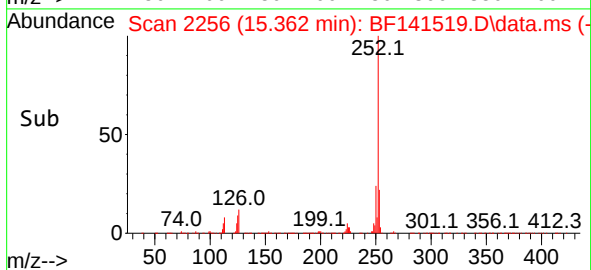
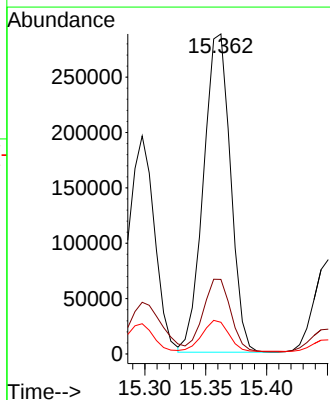
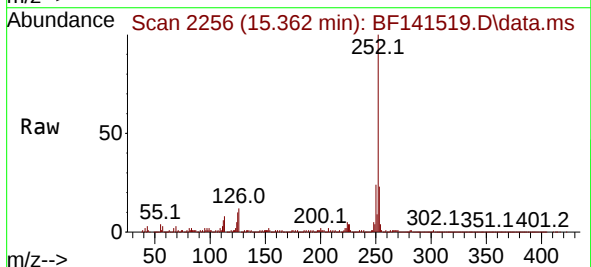
Manual Integrations
APPROVED

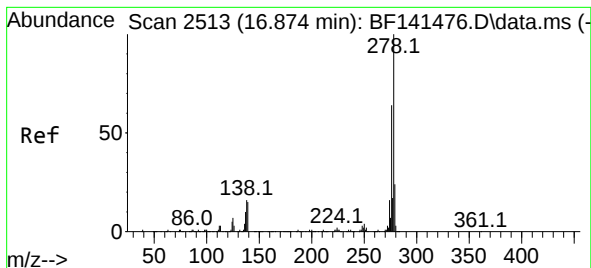
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#90
Benzo(a)pyrene
Concen: 82.887 ng
RT: 15.362 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF141519.D
Acq: 07 Feb 2025 20:21

Tgt Ion:252 Resp: 444248
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 9.9 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 12.666 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Instrument :

BNA_F

ClientSampleId :

JPP-42.2-012925

Tgt Ion:278 Resp: 6255

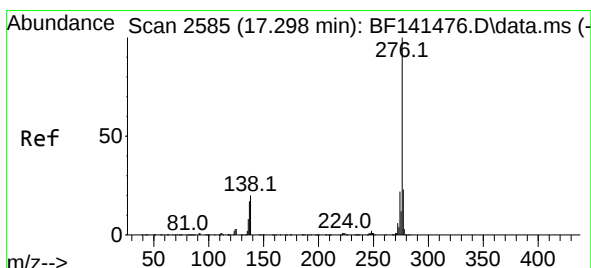
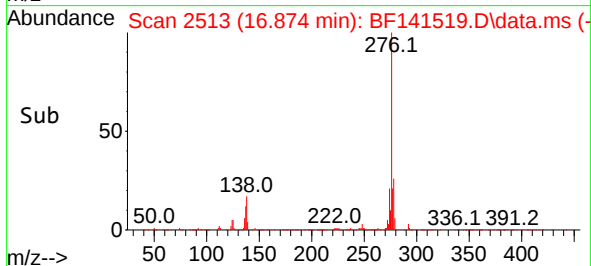
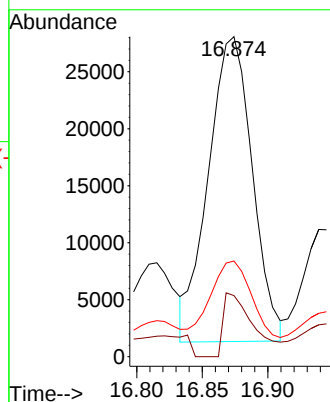
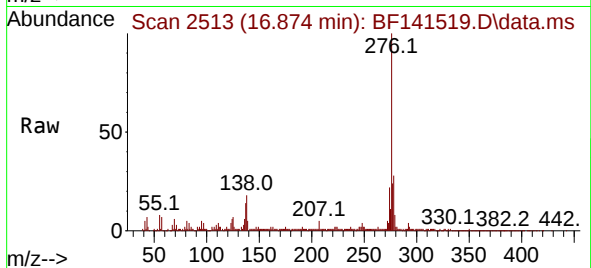
Ion	Ratio	Lower	Upper
278	100		
139	19.1	11.8	17.6
279	29.9	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 45.998 ng

RT: 17.303 min Scan# 2586

Delta R.T. -0.012 min

Lab File: BF141519.D

Acq: 07 Feb 2025 20:21

Tgt Ion:276 Resp: 237741

Ion	Ratio	Lower	Upper
276	100		
277	24.5	18.6	28.0
138	21.0	15.9	23.9

