

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141518.D
 Acq On : 07 Feb 2025 19:54
 Operator : RC/JU
 Sample : Q1241-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025

Manual Integrations
 APPROVED

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

Quant Time: Feb 07 22:26:25 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	82982	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	313039	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	154685	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	230713	20.000	ng	0.00
76) Chrysene-d12	13.968	240	145185	20.000	ng	0.00
86) Perylene-d12	15.427	264	116043	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	477647	90.240	ng	0.00
7) Phenol-d6	6.434	99	595887	89.071	ng	0.00
23) Nitrobenzene-d5	7.351	82	390011	64.983	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	122782	79.016	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	575557	57.325	ng	0.00
79) Terphenyl-d14	12.904	244	468984	54.532	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	153293	9.407	ng	99
37) 2-Methylnaphthalene	8.786	142	48965	4.618	ng	100
38) 1-Methylnaphthalene	8.880	142	39641	3.860	ng	99
49) Acenaphthylene	9.686	152	43315	3.284	ng	97
52) Acenaphthene	9.857	154	85756	9.671	ng	99
55) Dibenzofuran	10.033	168	103075	7.919	ng	99
58) Fluorene	10.374	166	129808	12.898	ng	98
71) Phenanthrene	11.345	178	1424600	112.176	ng	100
72) Anthracene	11.392	178	388759	30.452	ng	99
73) Carbazole	11.551	167	110467	9.617	ng	99
75) Fluoranthene	12.539	202	1785579	132.617	ng	99
78) Pyrene	12.768	202	1667025	134.882	ng	97
81) Benzo(a)anthracene	13.957	228	805622	83.476	ng	96
83) Chrysene	13.992	228	656570	73.679	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	11192	2.318	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.880	276	244912	34.157	ng	95
88) Benzo(b)fluoranthene	15.015	252	647460m	83.096	ng	
89) Benzo(k)fluoranthene	15.027	252	214416m	32.226	ng	
90) Benzo(a)pyrene	15.374	252	457027	72.489	ng	96
91) Dibenzo(a,h)anthracene	16.886	278	67072	11.544	ng	# 81
92) Benzo(g,h,i)perylene	17.321	276	235595	38.750	ng	98

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

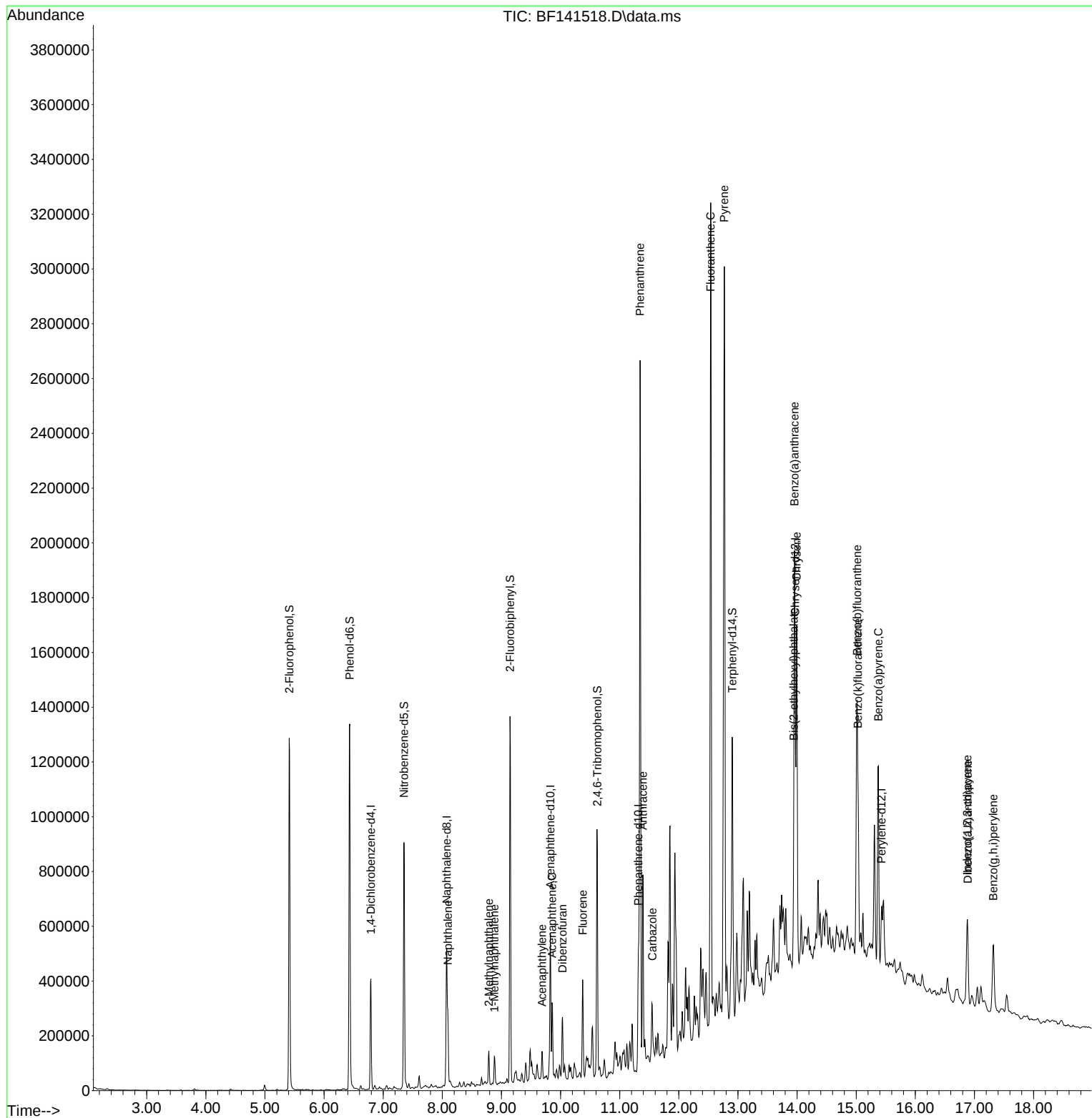
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141518.D
Acq On : 07 Feb 2025 19:54
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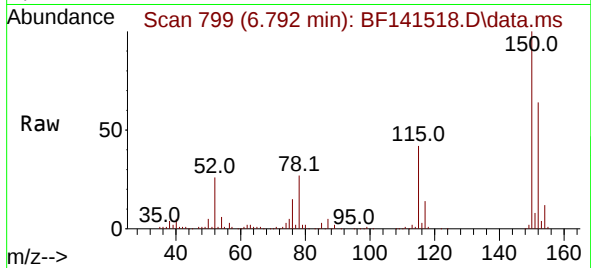
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

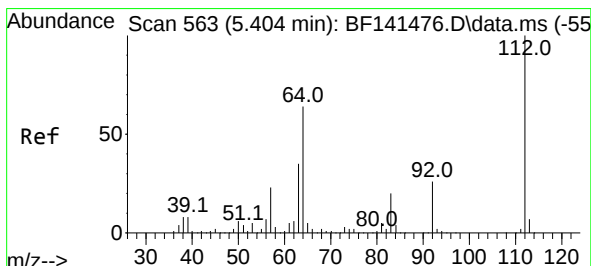
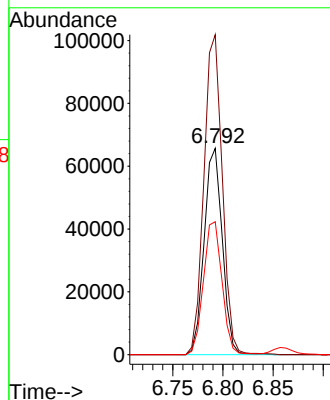
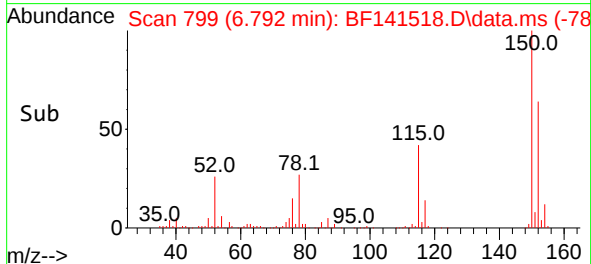
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



Tgt Ion:152 Resp: 82982
Ion Ratio Lower Upper
152 100
150 155.1 125.0 187.4
115 64.4 53.6 80.4

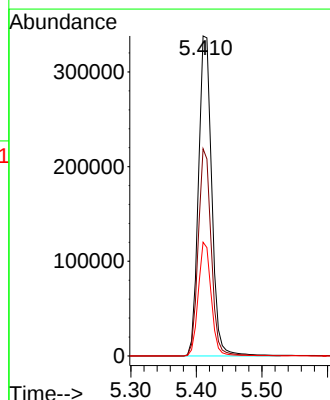
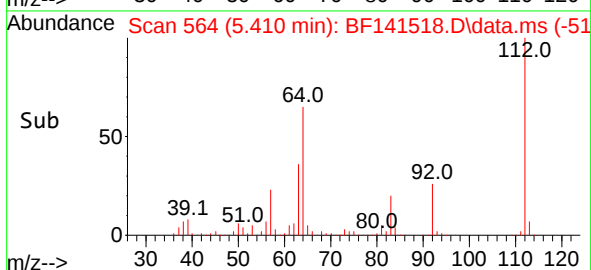
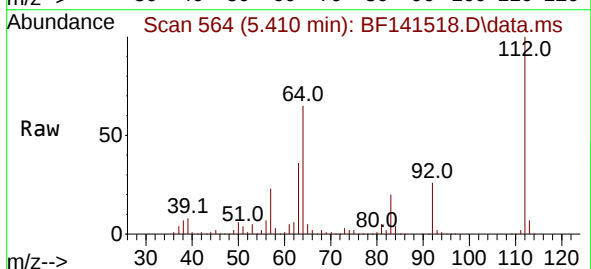
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Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 90.240 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

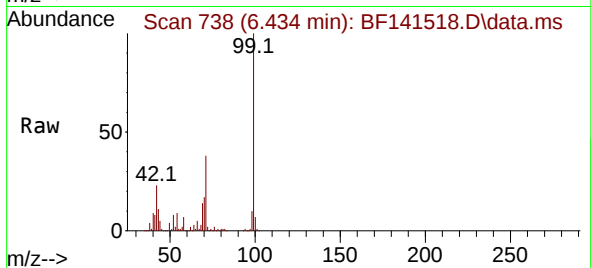
Tgt Ion:112 Resp: 477647
Ion Ratio Lower Upper
112 100
64 64.7 51.1 76.7
63 35.6 28.4 42.6





#7
Phenol-d6
Concen: 89.071 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

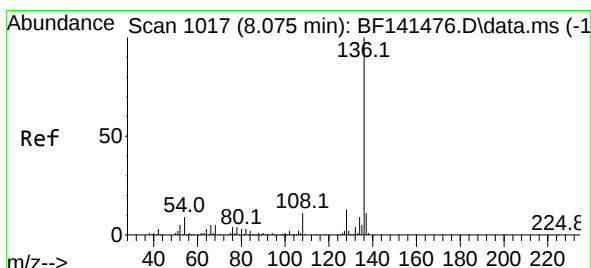
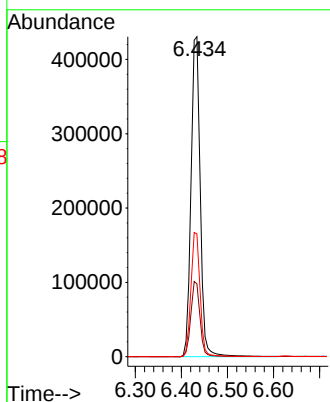
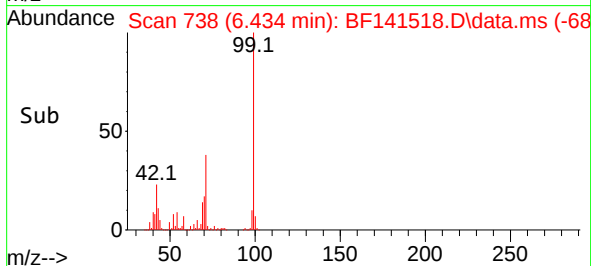
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



Tgt Ion: 99 Resp: 59588
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 38.3 31.1 46.7

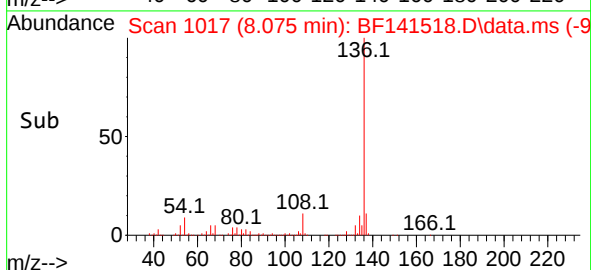
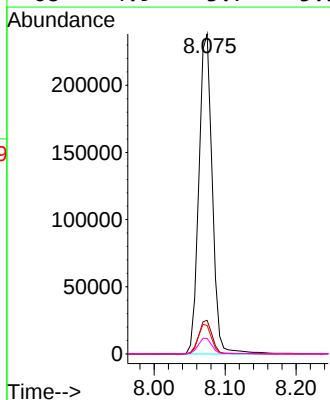
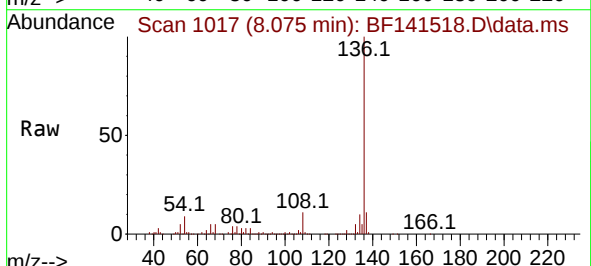
Manual Integrations
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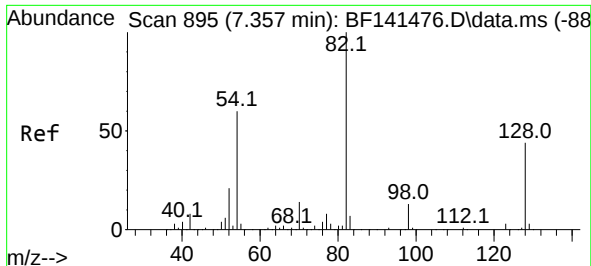
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:136 Resp: 313039
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.9 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 64.983 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141518.D

Acq: 07 Feb 2025 19:54

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025

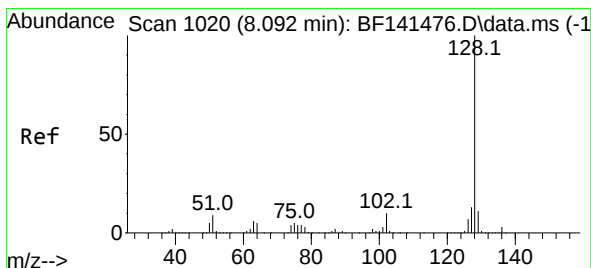
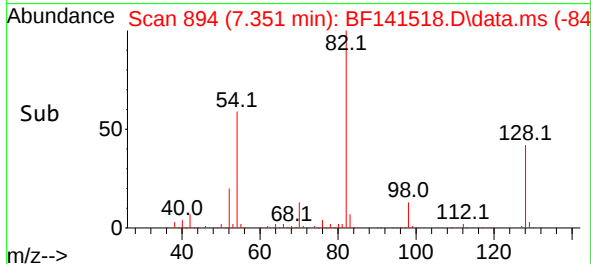
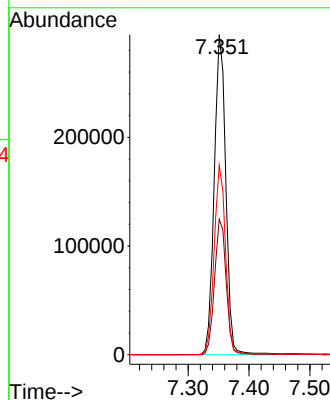
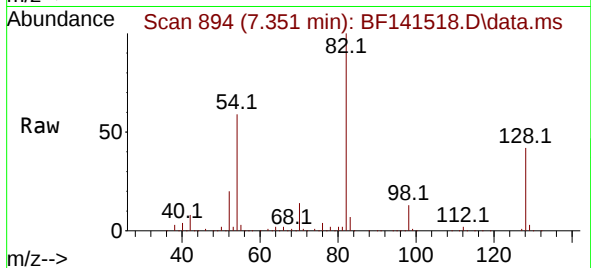
Tgt Ion: 82 Resp: 39001

Ion	Ratio	Lower	Upper
82	100		
128	42.4	34.8	52.2
54	59.2	48.2	72.4

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Supervised By :mohammad ahmed 02/12/2025



#31

Naphthalene

Concen: 9.407 ng

RT: 8.092 min Scan# 1020

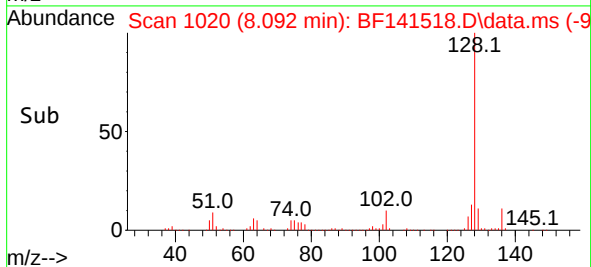
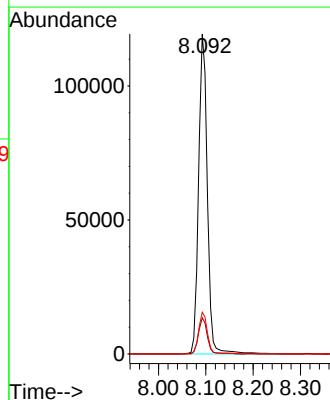
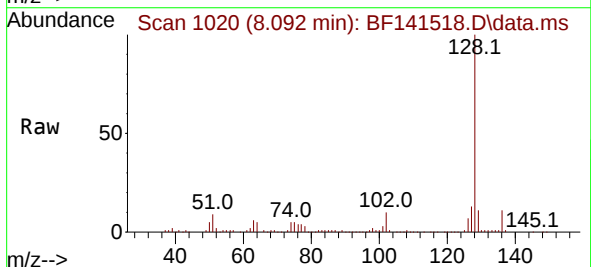
Delta R.T. -0.006 min

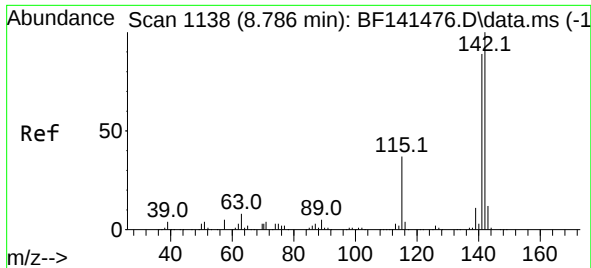
Lab File: BF141518.D

Acq: 07 Feb 2025 19:54

Tgt Ion:128 Resp: 153293

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.9	13.3
127	13.1	10.7	16.1





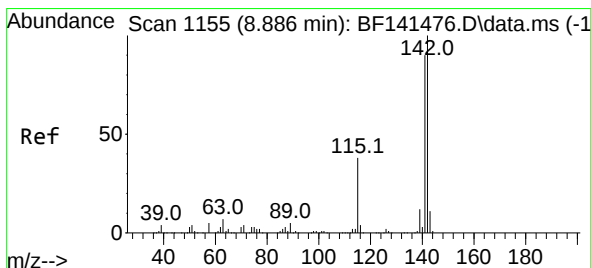
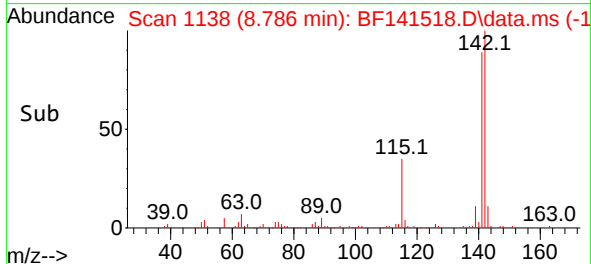
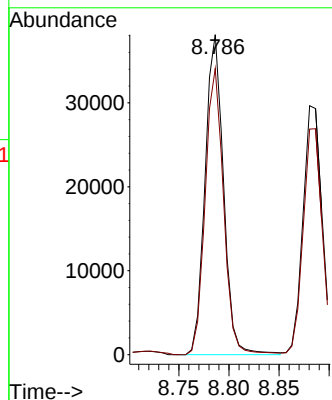
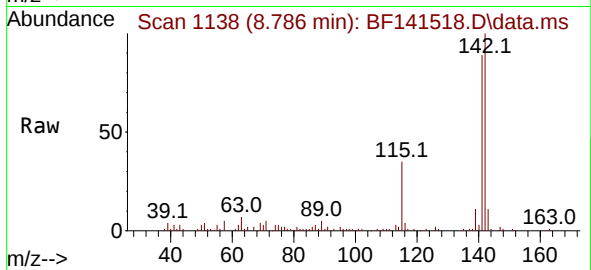
#37
2-Methylnaphthalene
Concen: 4.618 ng
RT: 8.786 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Tgt Ion:142 Resp: 4896
Ion Ratio Lower Upper
142 100
141 89.4 71.2 106.8

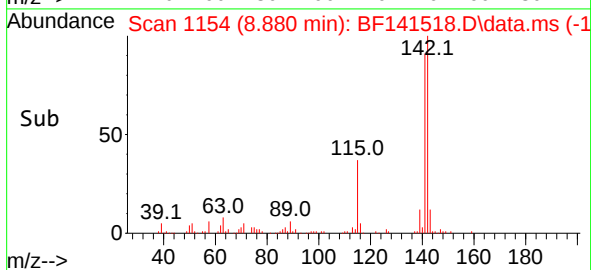
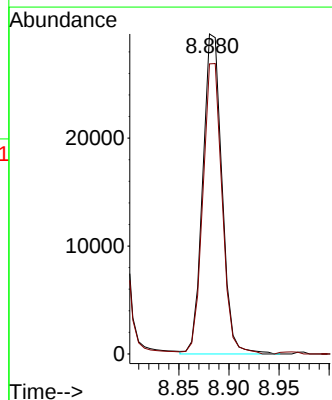
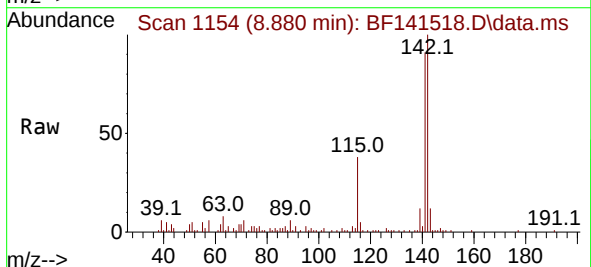
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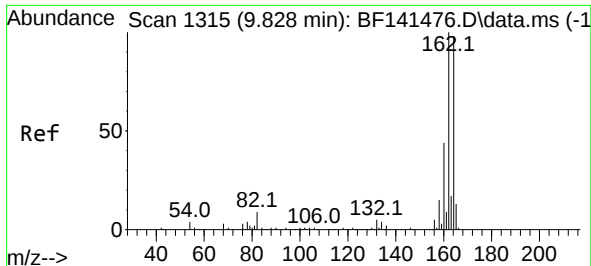
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#38
1-Methylnaphthalene
Concen: 3.860 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

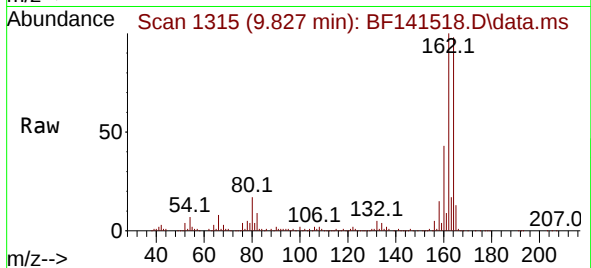
Tgt Ion:142 Resp: 39641
Ion Ratio Lower Upper
142 100
141 90.6 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

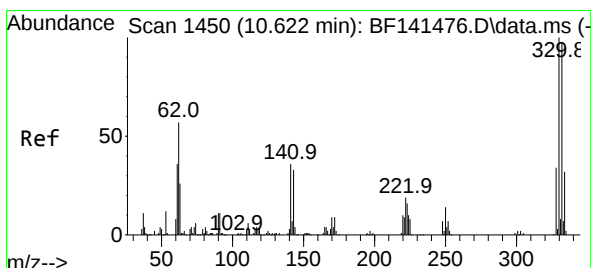
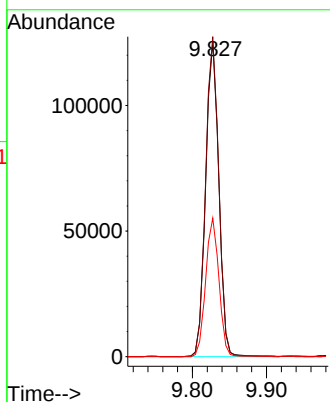
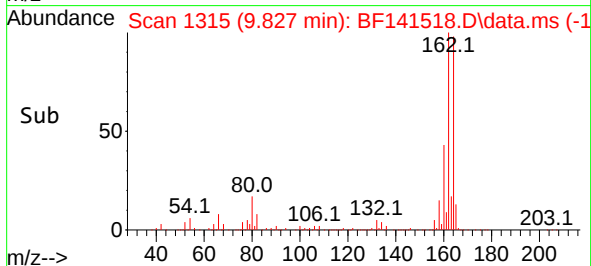
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



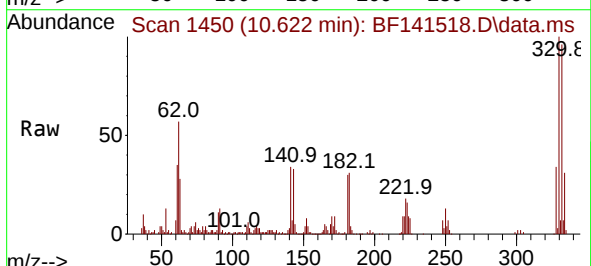
Tgt Ion:164 Resp: 15468
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.0 35.9 53.9

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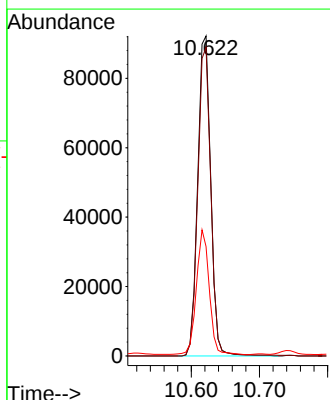
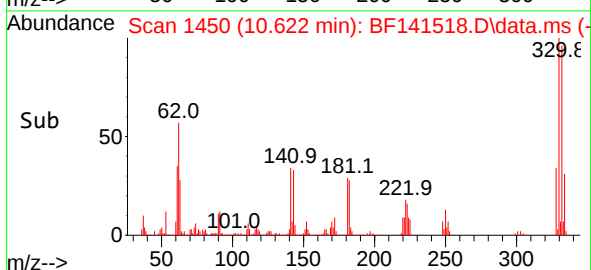
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

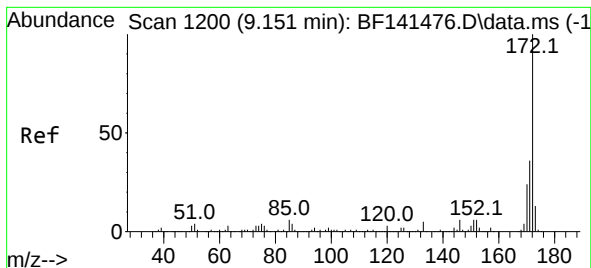


#42
2,4,6-Tribromophenol
Concen: 79.016 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54



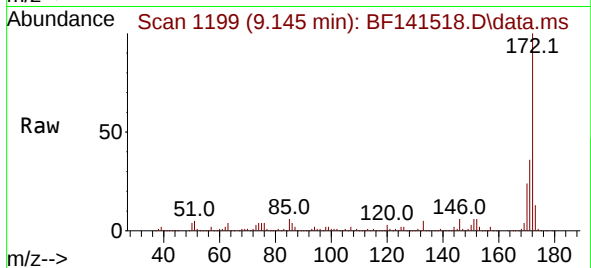
Tgt Ion:330 Resp: 122782
Ion Ratio Lower Upper
330 100
332 96.1 78.5 117.7
141 38.4 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 57.325 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

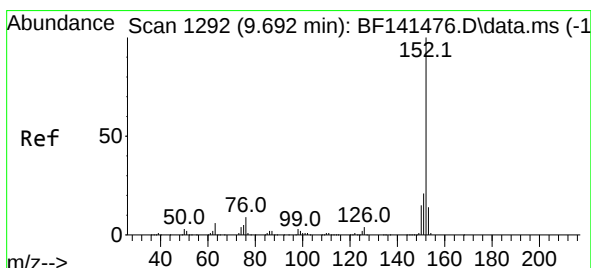
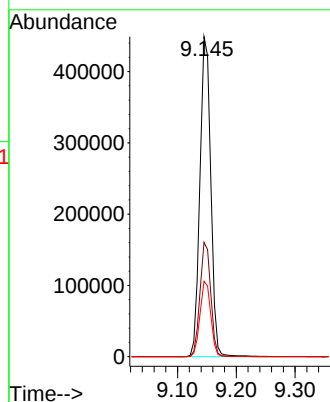
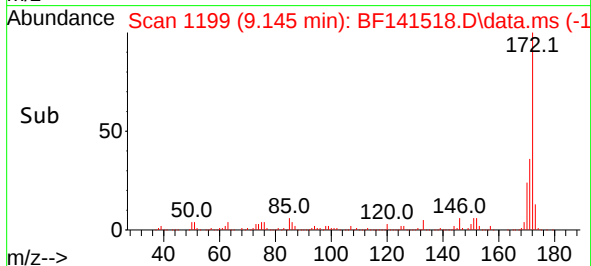
Instrument :
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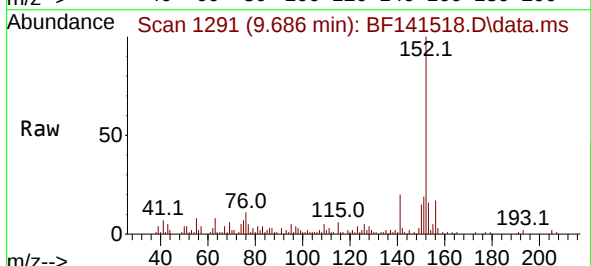
Tgt Ion:172 Resp: 57555
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.6 18.9 28.3

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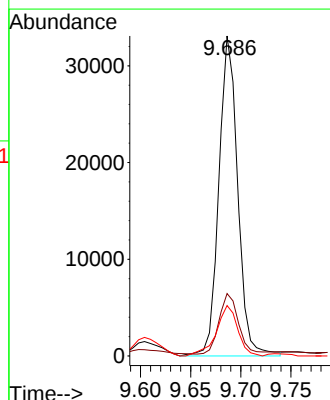
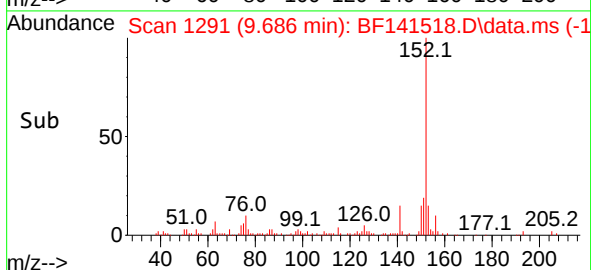
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

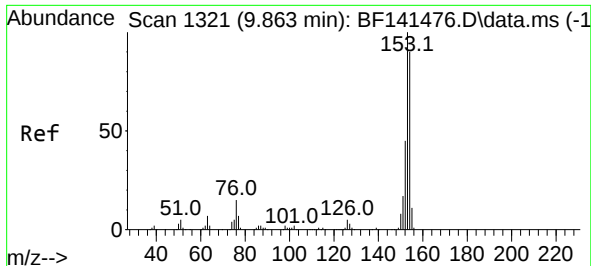


#49
Acenaphthylene
Concen: 3.284 ng
RT: 9.686 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54



Tgt Ion:152 Resp: 43315
Ion Ratio Lower Upper
152 100
151 19.5 16.4 24.6
153 15.8 10.9 16.3





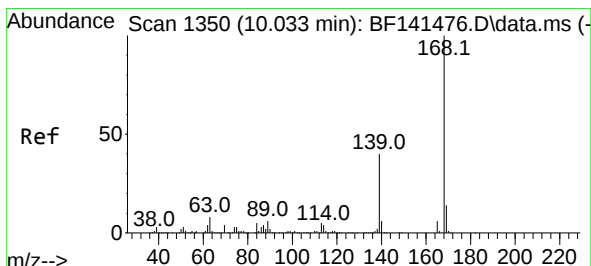
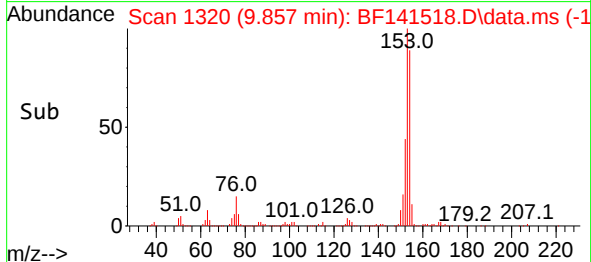
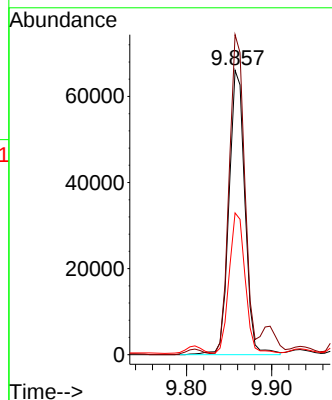
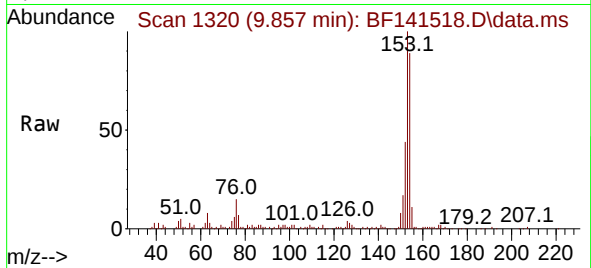
#52
Acenaphthene
Concen: 9.671 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Tgt Ion:154 Resp: 85750
Ion Ratio Lower Upper
154 100
153 112.5 89.2 133.8
152 49.8 39.8 59.8

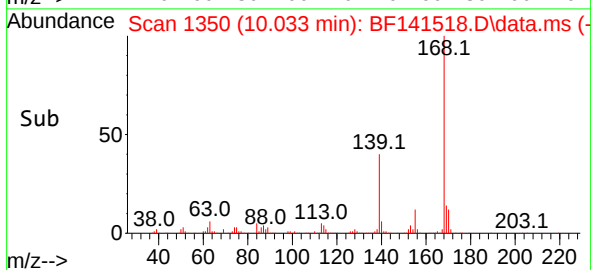
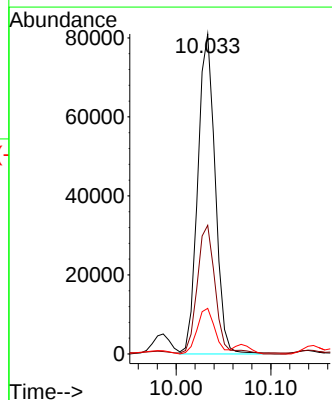
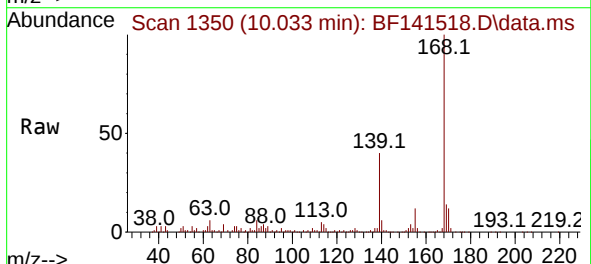
Manual Integrations
APPROVED

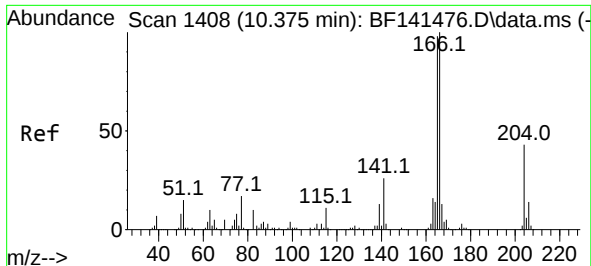
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#55
Dibenzofuran
Concen: 7.919 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

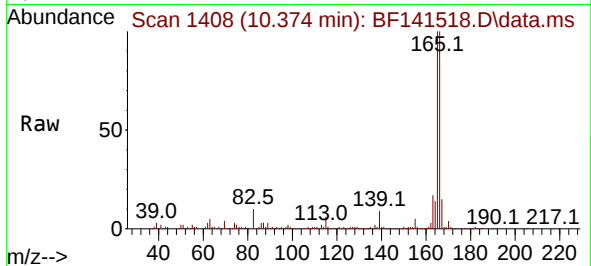
Tgt Ion:168 Resp: 103075
Ion Ratio Lower Upper
168 100
139 40.2 32.7 49.1
169 14.3 10.8 16.2





#58
Fluorene
Concen: 12.898 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

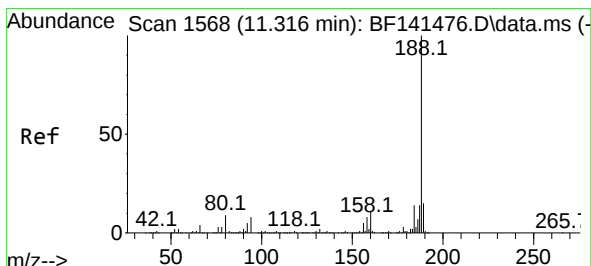
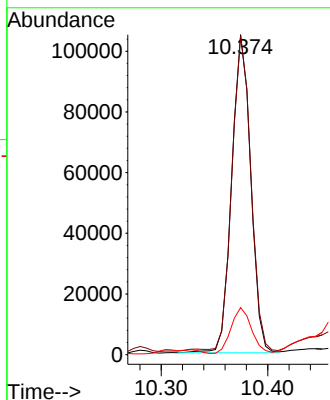
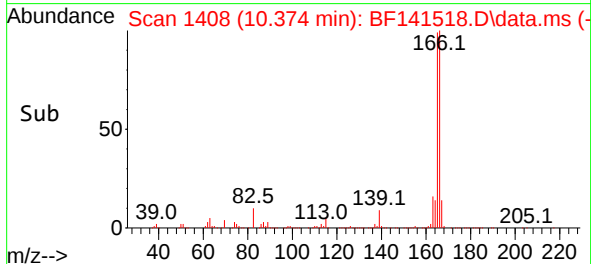
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



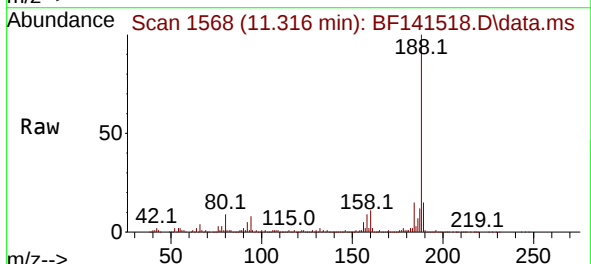
Tgt Ion:166 Resp: 129808
Ion Ratio Lower Upper
166 100
165 99.7 78.2 117.2
167 14.7 10.7 16.1

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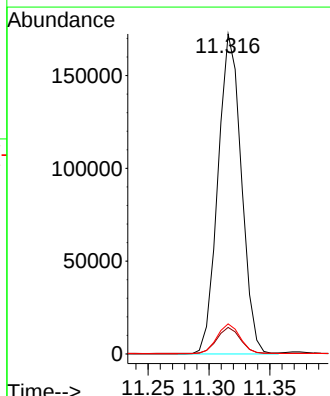
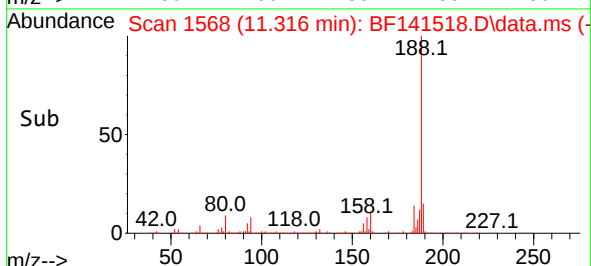
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

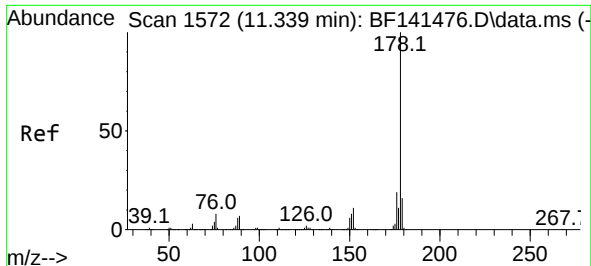


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54



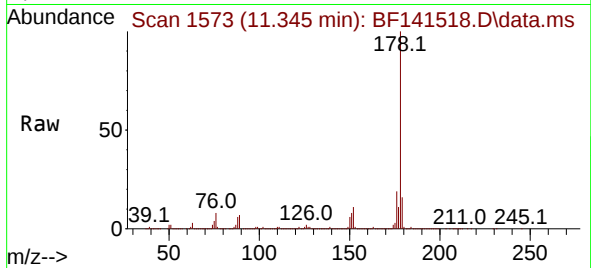
Tgt Ion:188 Resp: 230713
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.4 7.3 10.9





#71
Phenanthrene
Concen: 112.176 ng
RT: 11.345 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

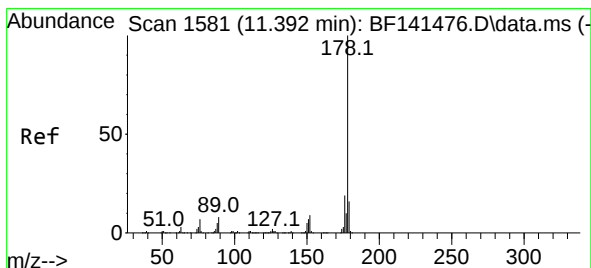
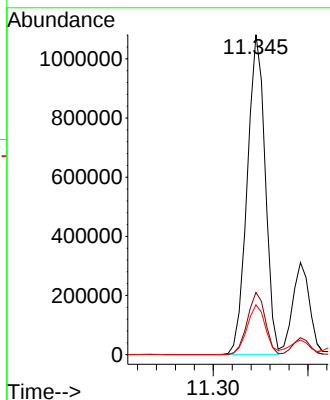
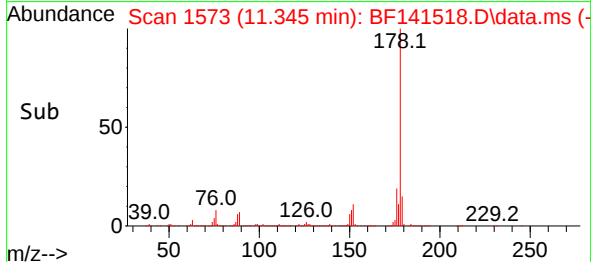
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



Tgt Ion:178 Resp: 1424600
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.4 18.6

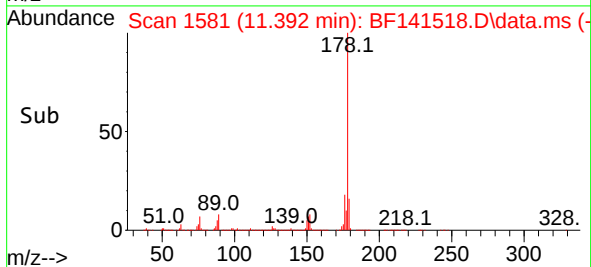
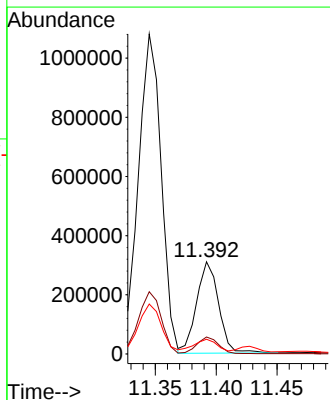
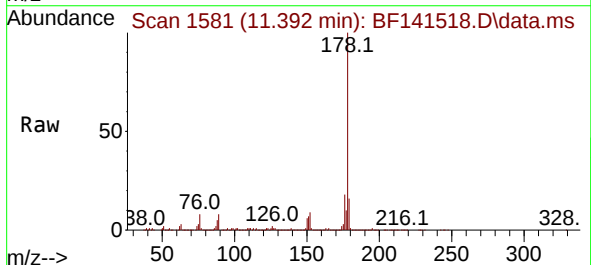
Manual Integrations
APPROVED

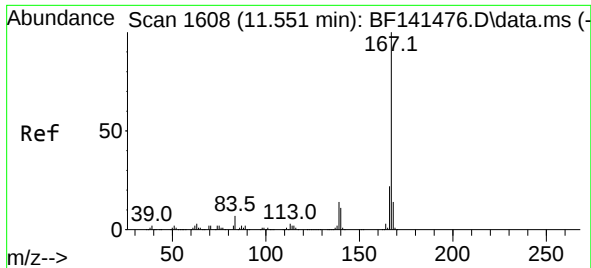
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 30.452 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

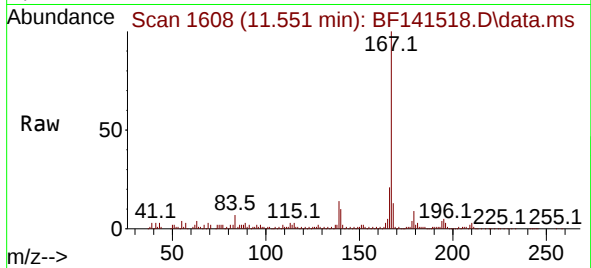
Tgt Ion:178 Resp: 388759
Ion Ratio Lower Upper
178 100
176 18.4 14.8 22.2
179 15.9 12.4 18.6





#73
 Carbazole
 Concen: 9.617 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141518.D
 Acq: 07 Feb 2025 19:54

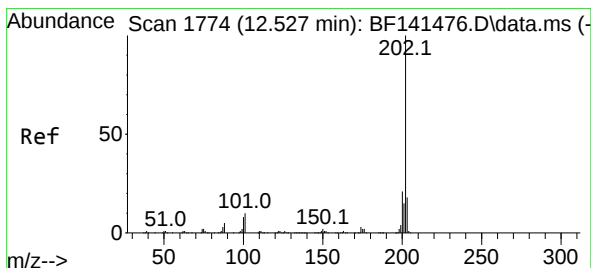
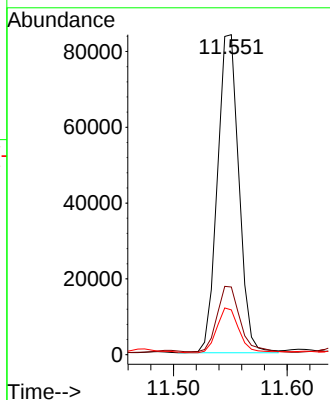
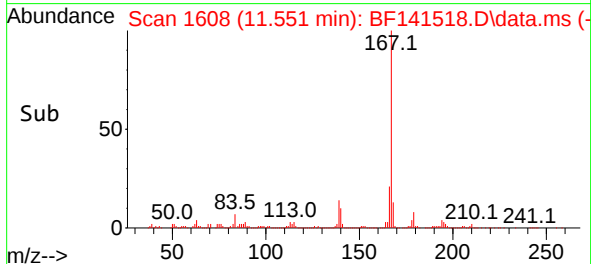
Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025



Tgt Ion:167 Resp: 11046
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.2
 139 14.0 10.9 16.3

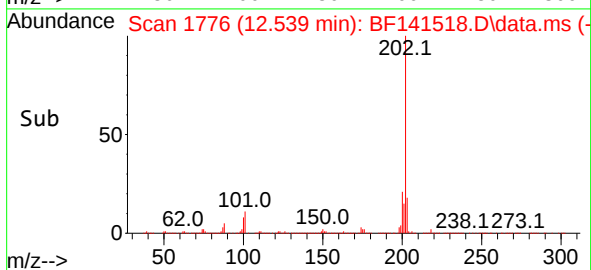
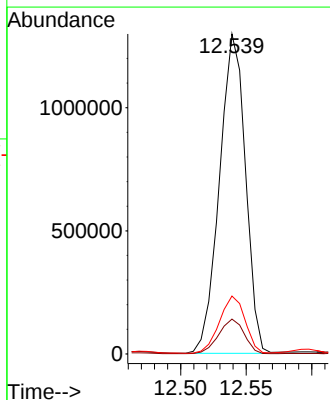
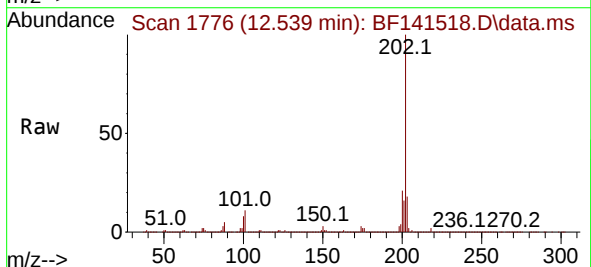
Manual Integrations
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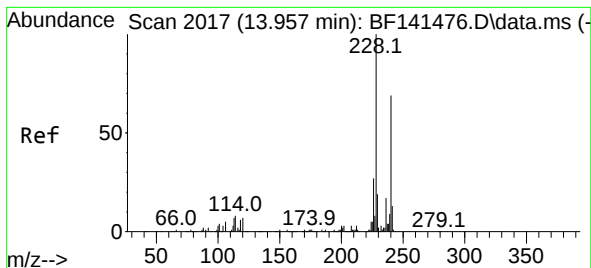
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#75
 Fluoranthene
 Concen: 132.617 ng
 RT: 12.539 min Scan# 1776
 Delta R.T. 0.006 min
 Lab File: BF141518.D
 Acq: 07 Feb 2025 19:54

Tgt Ion:202 Resp: 1785579
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 30.2
 203 18.1 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF141518.D

Acq: 07 Feb 2025 19:54

Instrument :

BNA_F

ClientSampleId :

JPP-3.5-013025

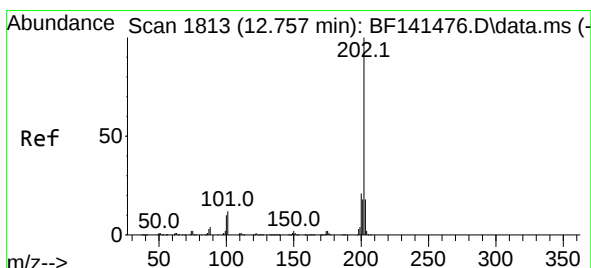
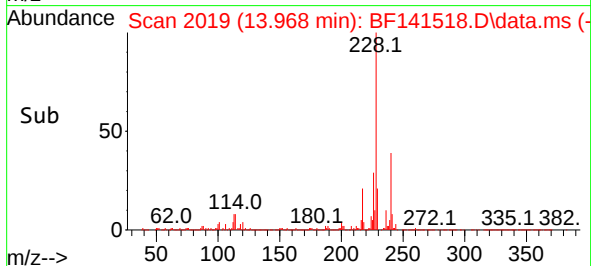
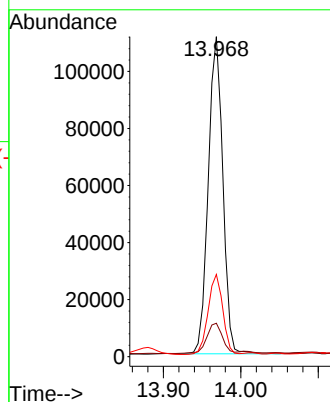
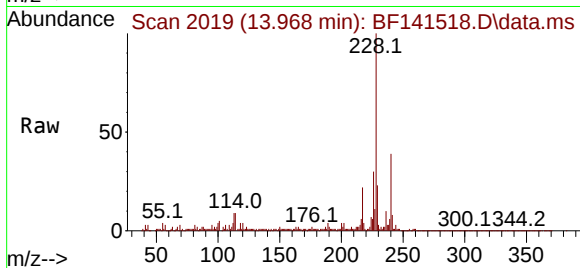
Tgt Ion:240 Resp: 145185
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.0 12.0
 236 25.7 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#78

Pyrene

Concen: 134.882 ng

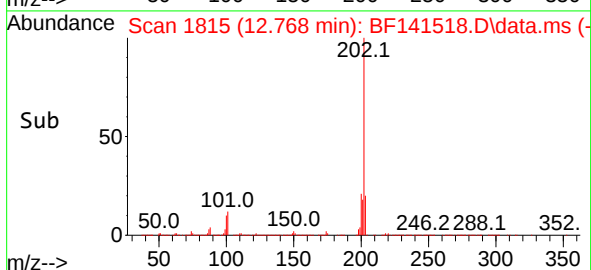
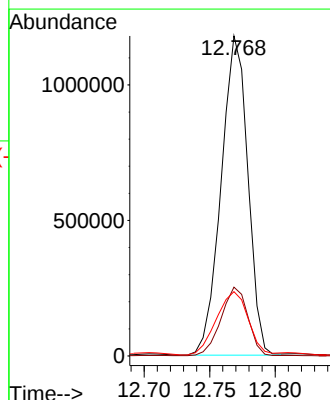
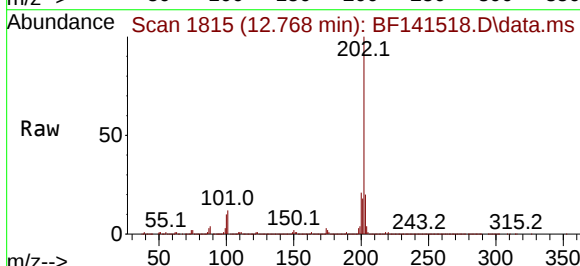
RT: 12.768 min Scan# 1815

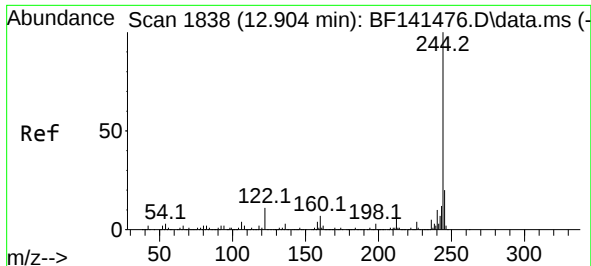
Delta R.T. 0.006 min

Lab File: BF141518.D

Acq: 07 Feb 2025 19:54

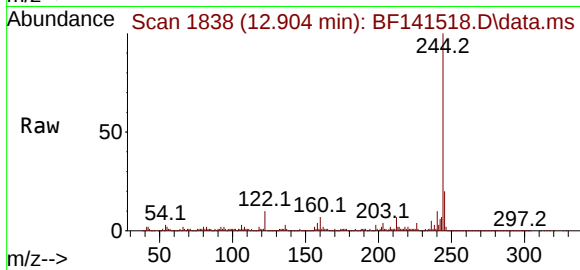
Tgt Ion:202 Resp: 1667025
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.0 25.4
 203 20.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 54.532 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141518.D
 Acq: 07 Feb 2025 19:54

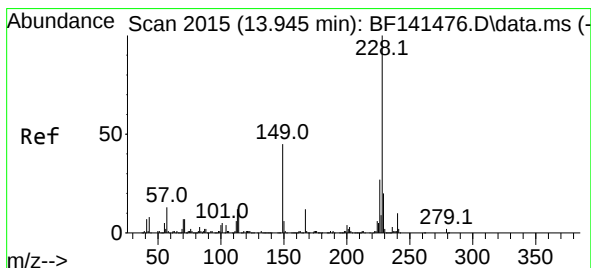
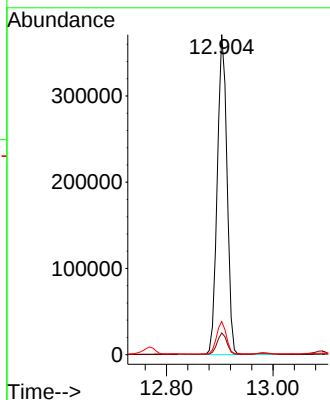
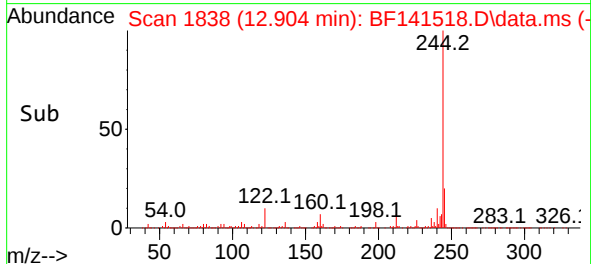
Instrument :
 BNA_F
 ClientSampleId :
 JPP-3.5-013025



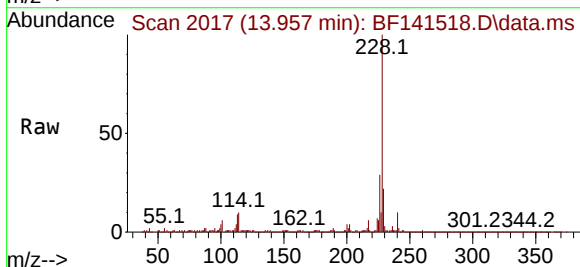
Tgt Ion:244 Resp: 468984
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.3 8.4 12.6

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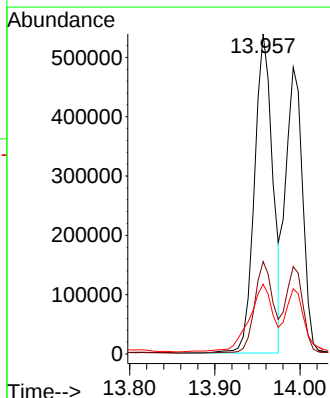
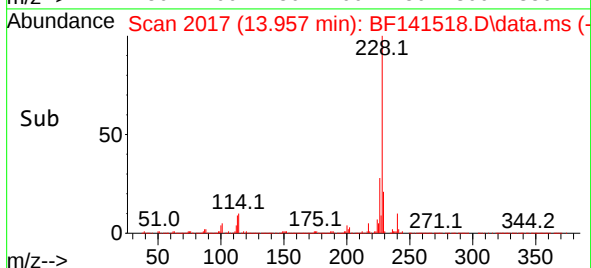
Reviewed By :Rahul Chavli 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

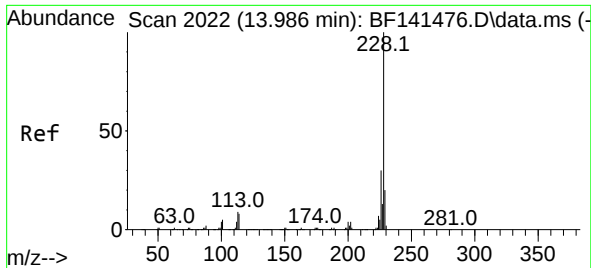


#81
 Benzo(a)anthracene
 Concen: 83.476 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141518.D
 Acq: 07 Feb 2025 19:54



Tgt Ion:228 Resp: 805622
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.8 32.8
 229 21.8 15.8 23.6





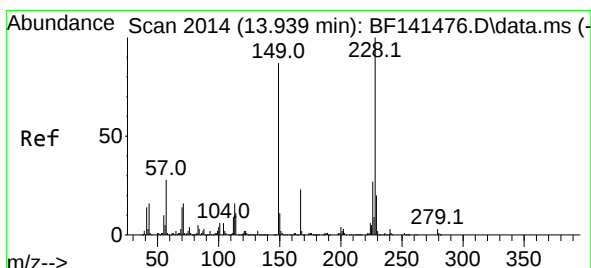
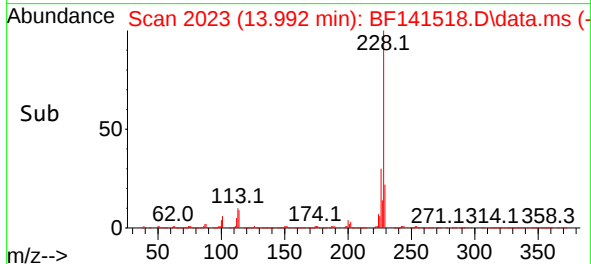
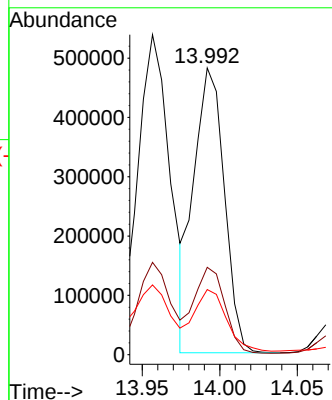
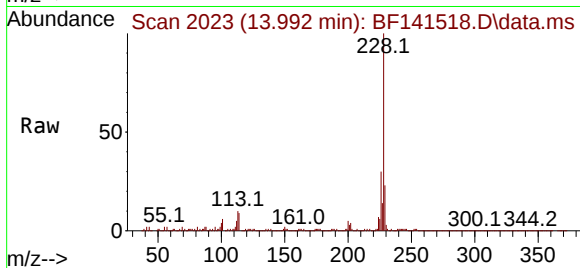
#83
Chrysene
Concen: 73.679 ng
RT: 13.992 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Tgt Ion:228 Resp: 656570
Ion Ratio Lower Upper
228 100
226 30.4 24.0 36.0
229 22.7 15.7 23.5

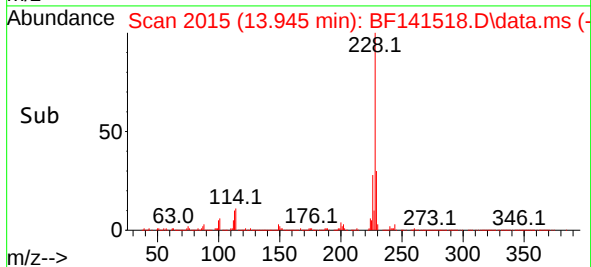
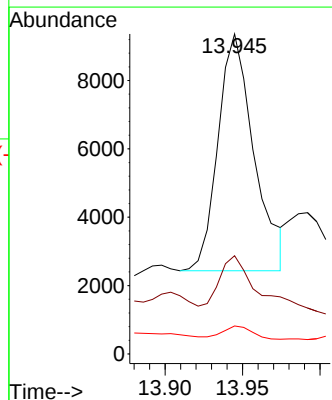
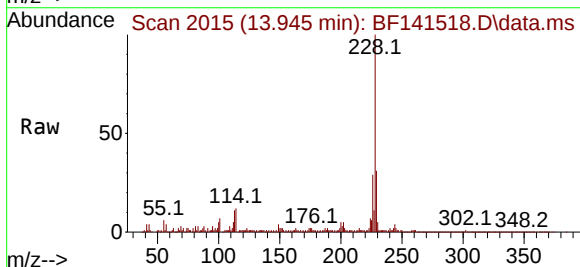
Manual Integrations
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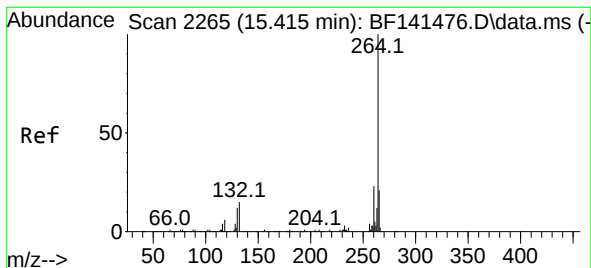
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.318 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

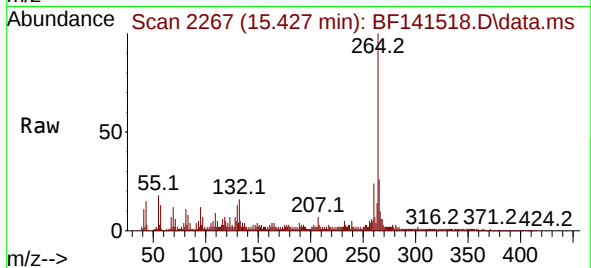
Tgt Ion:149 Resp: 11192
Ion Ratio Lower Upper
149 100
167 30.7 21.4 32.0
279 8.7 3.1 4.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

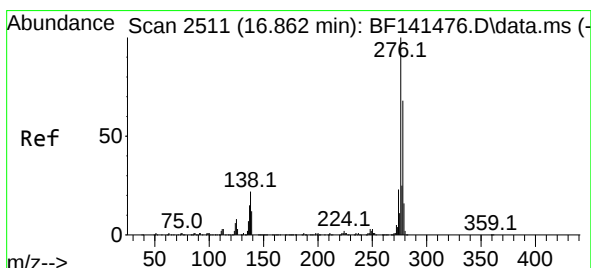
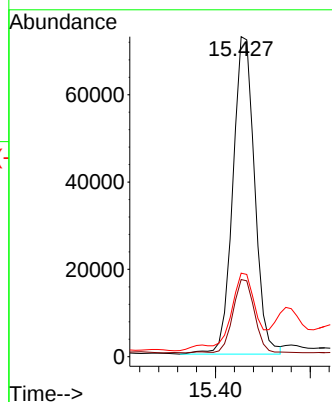
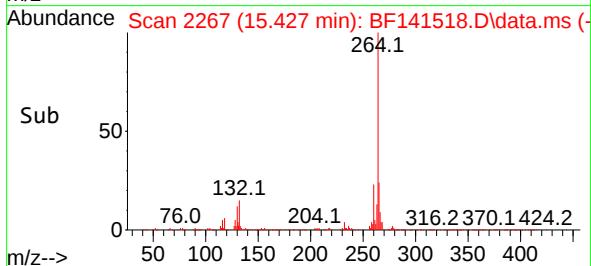
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



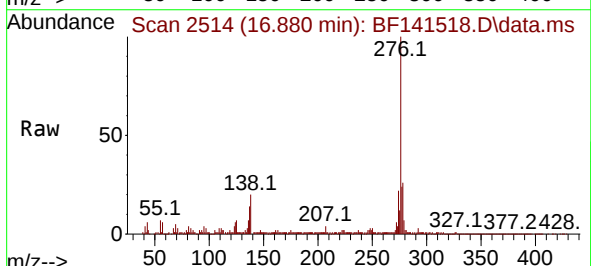
Tgt Ion:264 Resp: 11604
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 26.1 17.0 25.4

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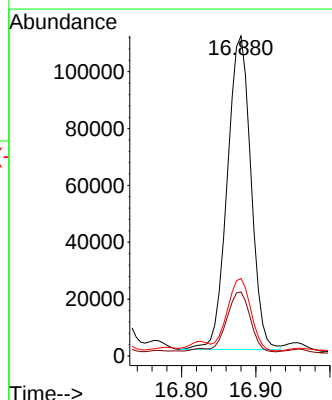
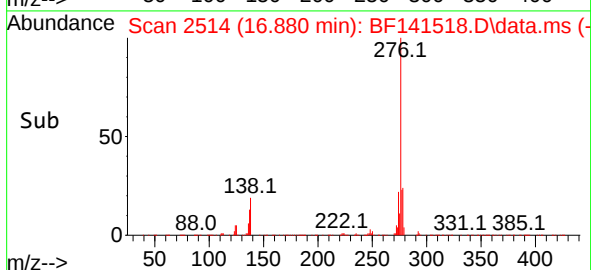
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

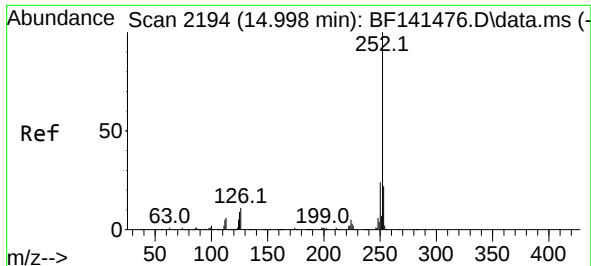


#87
Indeno(1,2,3-cd)pyrene
Concen: 34.157 ng
RT: 16.880 min Scan# 2514
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54



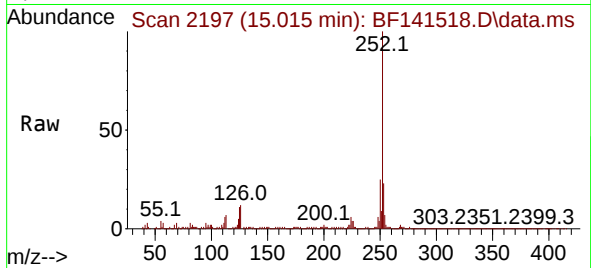
Tgt Ion:276 Resp: 244912
Ion Ratio Lower Upper
276 100
138 20.5 18.0 27.0
277 22.9 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 83.096 ng m
RT: 15.015 min Scan# 2199
Delta R.T. 0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

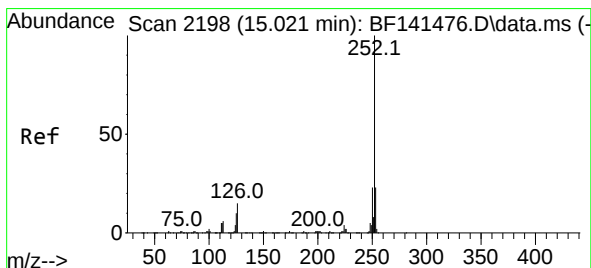
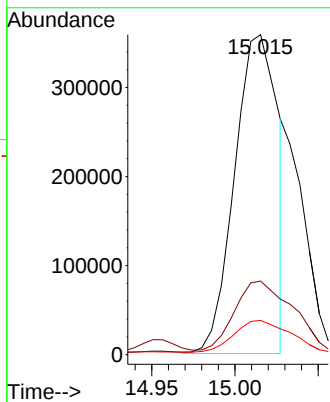
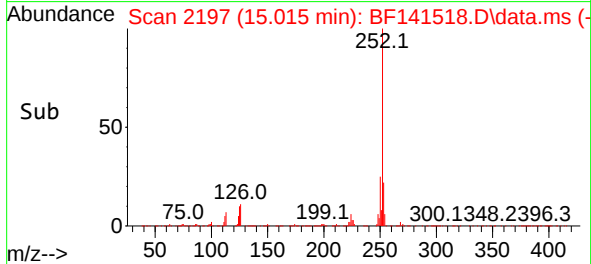
Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



Tgt Ion:252 Resp: 647460
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.7 7.0 10.6

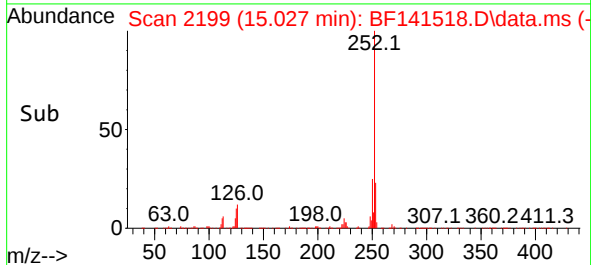
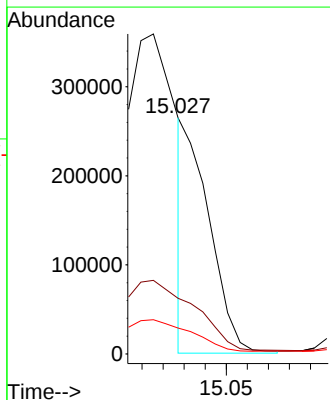
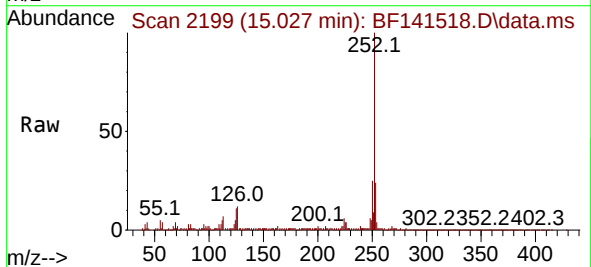
Manual Integrations
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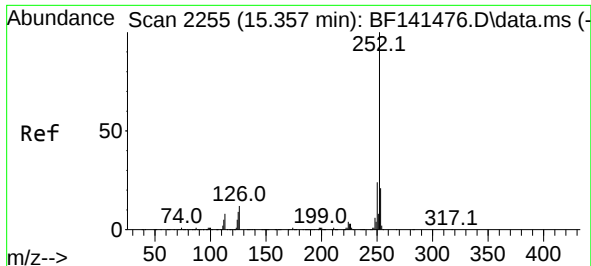
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 32.226 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Tgt Ion:252 Resp: 214416
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 11.0 7.4 11.0





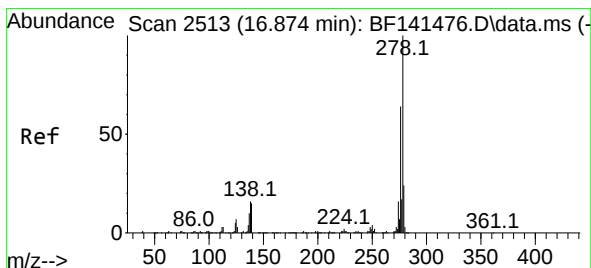
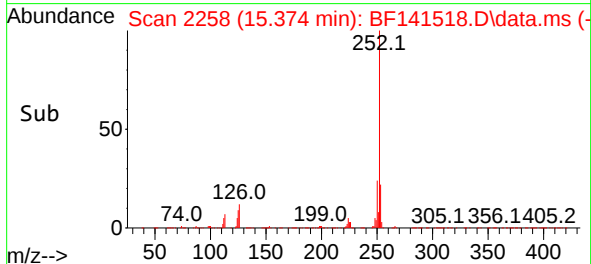
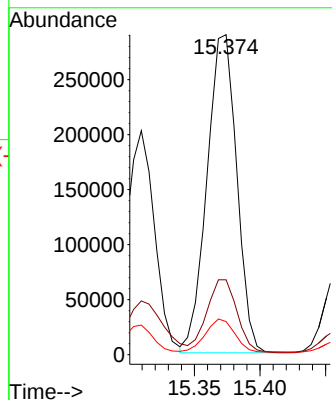
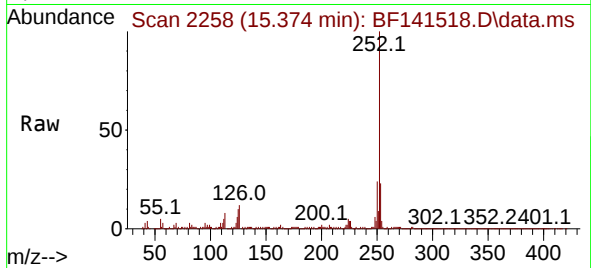
#90
Benzo(a)pyrene
Concen: 72.489 ng
RT: 15.374 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025

Tgt Ion:252 Resp: 45702
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.4 7.4 11.2

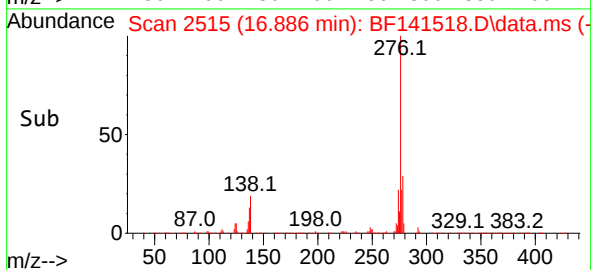
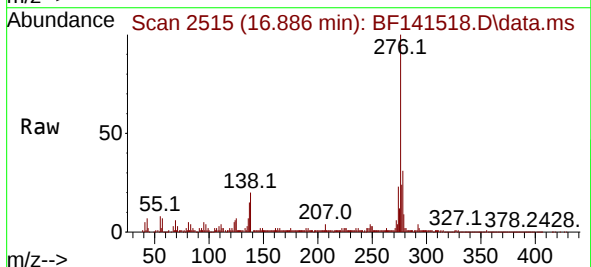
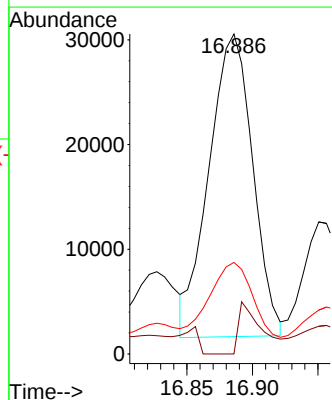
Manual Integrations
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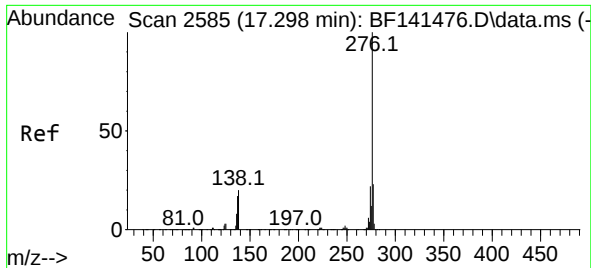
Reviewed By :Rahul Chavli 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 11.544 ng
RT: 16.886 min Scan# 2515
Delta R.T. -0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

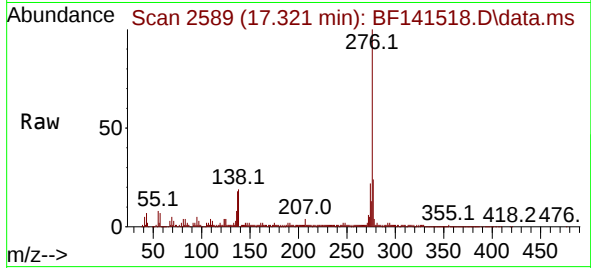
Tgt Ion:278 Resp: 67072
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 28.6 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 38.750 ng
RT: 17.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141518.D
Acq: 07 Feb 2025 19:54

Instrument :
BNA_F
ClientSampleId :
JPP-3.5-013025



Tgt Ion: 276 Resp: 23559
Ion Ratio Lower Upper
276 100
277 23.8 18.6 28.0
138 18.7 15.9 23.9

Manual Integrations
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Supervised By :mohammad ahmed 02/12/2025

