

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141520.D
 Acq On : 07 Feb 2025 20:47
 Operator : RC/JU
 Sample : Q1216-15
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: Feb 07 22:27:26 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							02/10/2025
1) 1,4-Dichlorobenzene-d4	6.792	152	71035	20.000	ng	0.00	Supervised By :mohammad Chavli
21) Naphthalene-d8	8.075	136	270006	20.000	ng	0.00	
39) Acenaphthene-d10	9.828	164	131111	20.000	ng	0.00	
64) Phenanthrene-d10	11.316	188	197575	20.000	ng	0.00	
76) Chrysene-d12	13.974	240	117908	20.000	ng	0.01	
86) Perylene-d12	15.433	264	102212	20.000	ng	# 0.02	02/12/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	449871	99.287	ng	0.00	
7) Phenol-d6	6.434	99	557176	97.292	ng	0.00	
23) Nitrobenzene-d5	7.351	82	357601	69.079	ng	-0.01	
42) 2,4,6-Tribromophenol	10.622	330	113961	86.526	ng	0.00	
45) 2-Fluorobiphenyl	9.145	172	553776	65.072	ng	0.00	
79) Terphenyl-d14	12.910	244	451046	64.579	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.092	128	34335	2.443	ng		99
52) Acenaphthene	9.857	154	97856	13.019	ng		99
55) Dibenzofuran	10.033	168	42590	3.860	ng	#	92
58) Fluorene	10.375	166	75430	8.843	ng	#	96
71) Phenanthrene	11.345	178	1772105	162.943	ng		99
72) Anthracene	11.398	178	533944	48.839	ng		100
73) Carbazole	11.551	167	48979	4.979	ng		92
75) Fluoranthene	12.551	202	3866353	335.322	ng		97
78) Pyrene	12.786	202	3872235	385.790	ng		97
81) Benzo(a)anthracene	13.963	228	1894079	241.661	ng		96
83) Chrysene	14.004	228	1323936	182.941	ng		96
84) Bis(2-ethylhexyl)phtha...	13.945	149	14209	3.624	ng	#	89
87) Indeno(1,2,3-cd)pyrene	16.892	276	623795	98.771	ng		97
88) Benzo(b)fluoranthene	15.021	252	1566982m	228.322	ng		
89) Benzo(k)fluoranthene	15.033	252	526532m	89.845	ng		
90) Benzo(a)pyrene	15.380	252	1146009	206.364	ng		96
91) Dibenzo(a,h)anthracene	16.898	278	150760m	29.460	ng		
92) Benzo(g,h,i)perylene	17.333	276	595057	111.118	ng		98

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

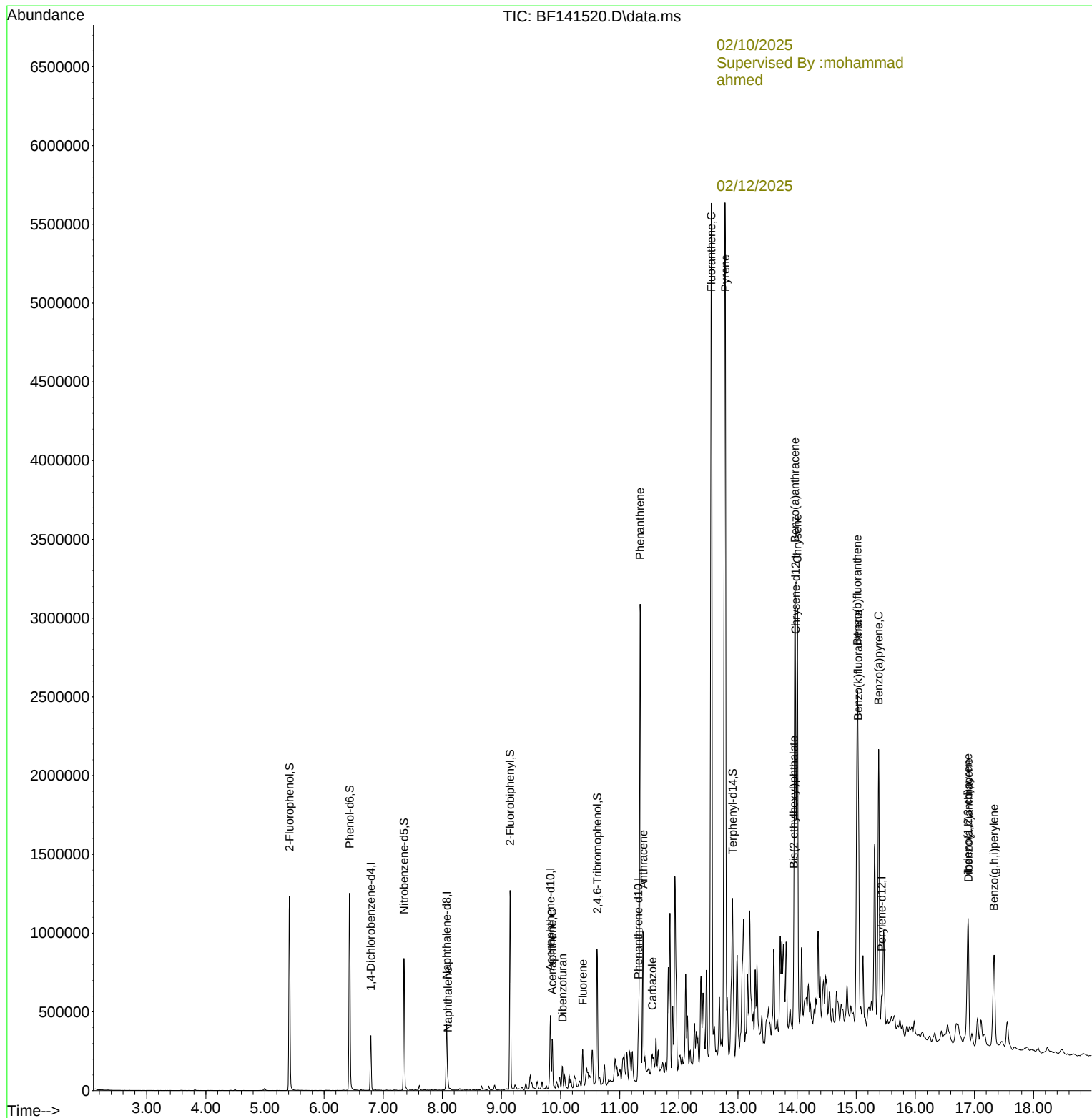
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Data File : BF141520.D
Acq On : 07 Feb 2025 20:47
Operator : RC/JU
Sample : Q1216-15
Misc :
ALS Vial : 16 Sample Multiplier: 1

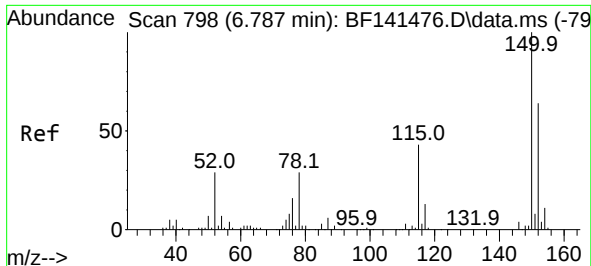
Instrument :
BNA_F
ClientSampleId :
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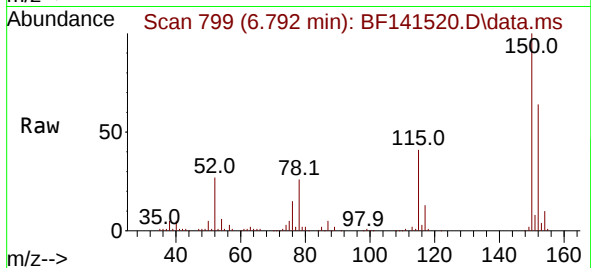
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

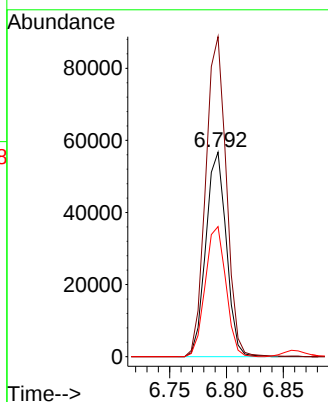
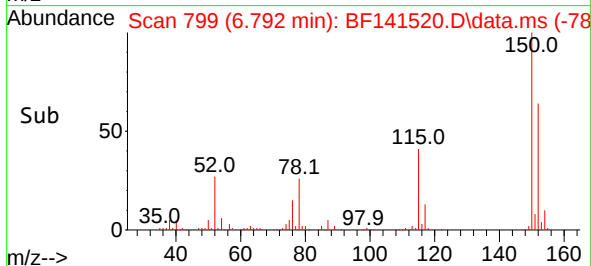
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:152 Resp: 71035
Ion Ratio Lower Upper
152 100
150 156.5 125.0 187.4
115 63.6 53.6 80.4

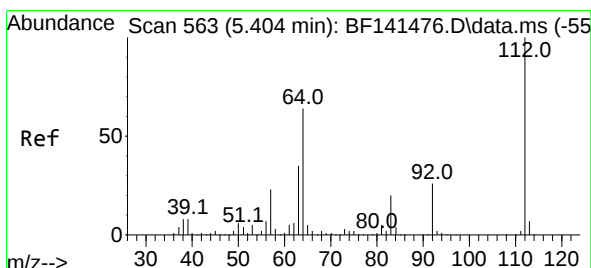
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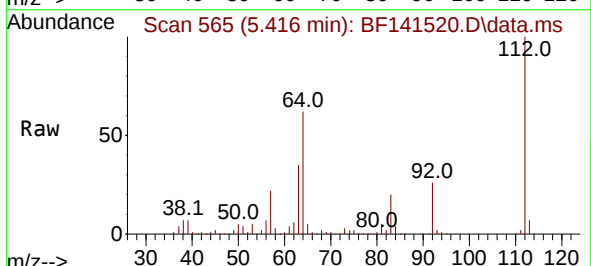


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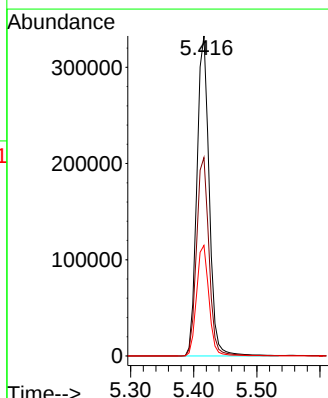
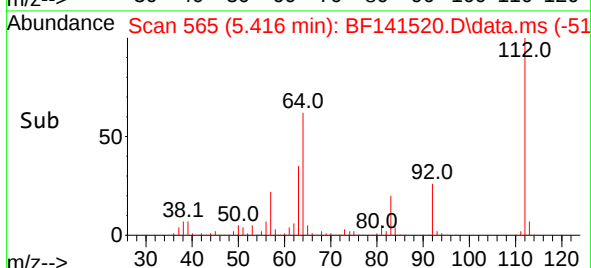
02/12/2025



#5
2-Fluorophenol
Concen: 99.287 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47



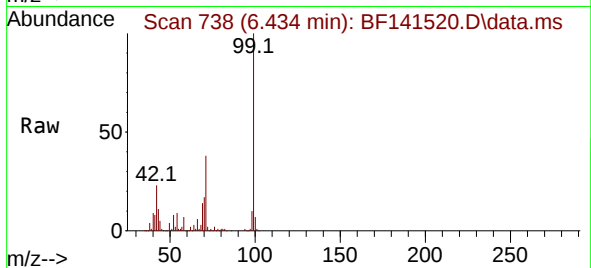
Tgt Ion:112 Resp: 449871
Ion Ratio Lower Upper
112 100
64 62.0 51.1 76.7
63 34.5 28.4 42.6





#7
Phenol-d6
Concen: 97.292 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

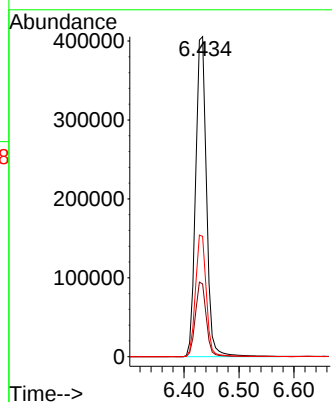
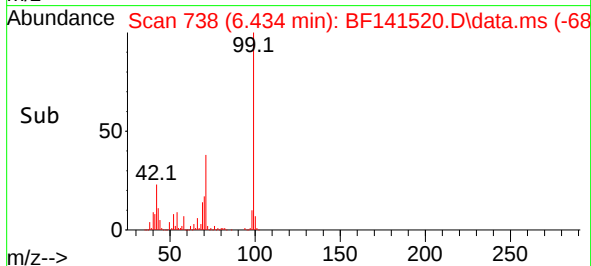
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion: 99 Resp: 557170
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 37.6 31.1 46.7

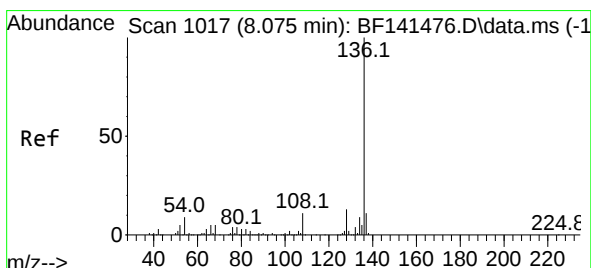
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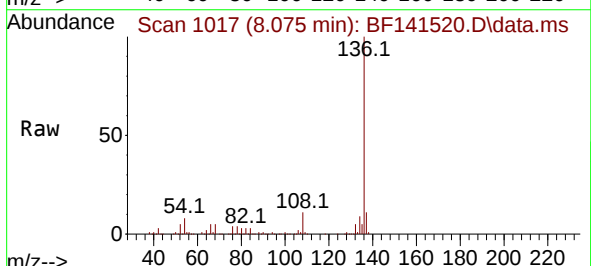


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ahmed

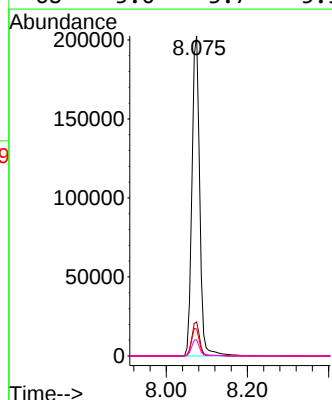
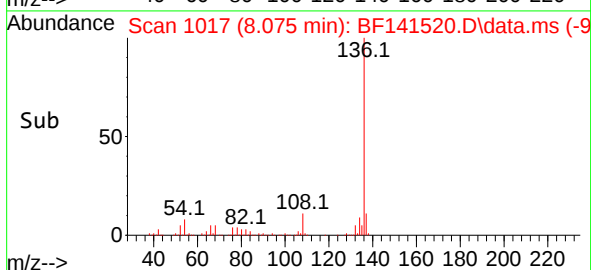
02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47



Tgt Ion:136 Resp: 270006
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 7.2 10.8
68 5.0 3.7 5.5





#23
Nitrobenzene-d5
Concen: 69.079 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

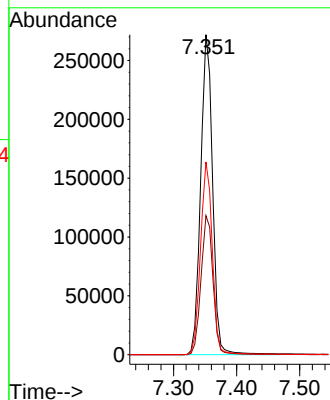
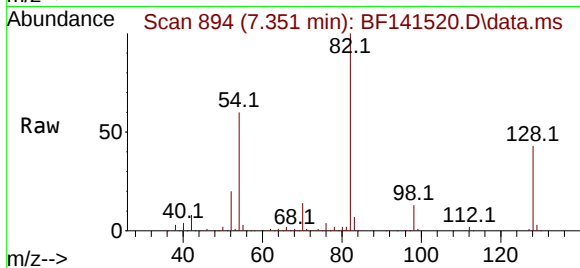
ClientSampleId :

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Tgt Ion: 82 Resp: 35760
Ion Ratio Lower Upper
82 100
128 43.4 34.8 52.2
54 60.3 48.2 72.4

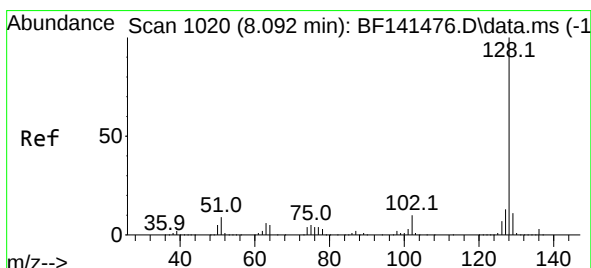
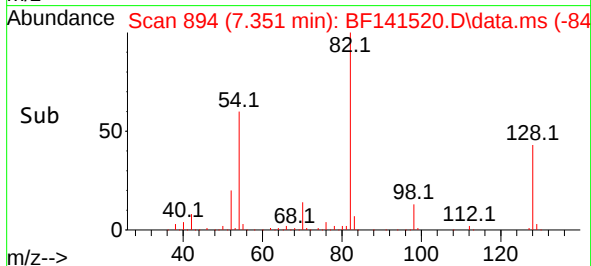
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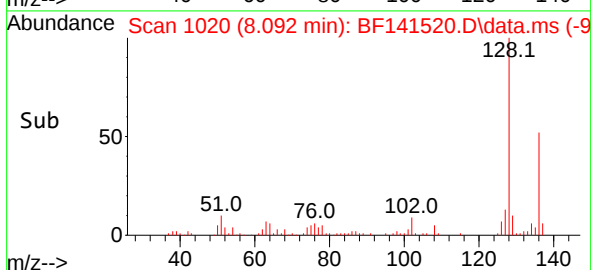
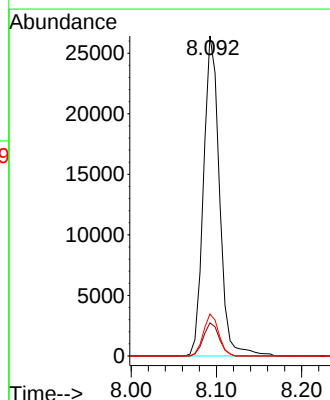
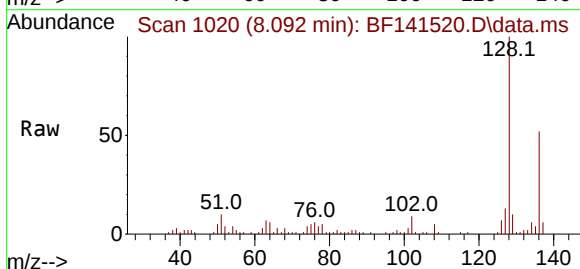
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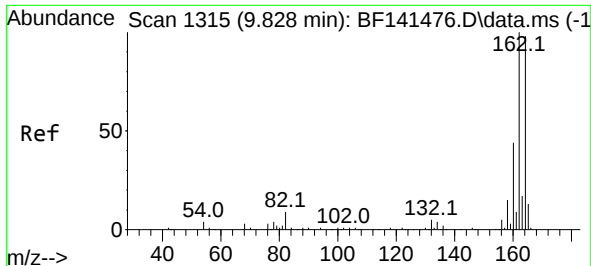
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#31
Naphthalene
Concen: 2.443 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:128 Resp: 34335
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 13.1 10.7 16.1





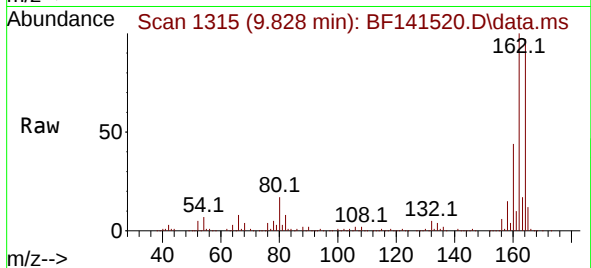
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Instrument :

BNF_F

ClientSampleId :

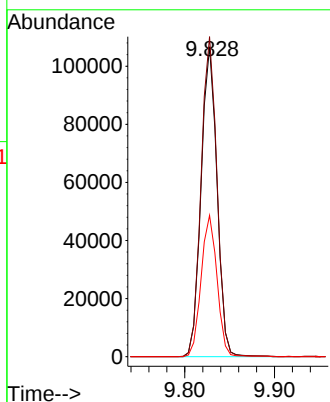
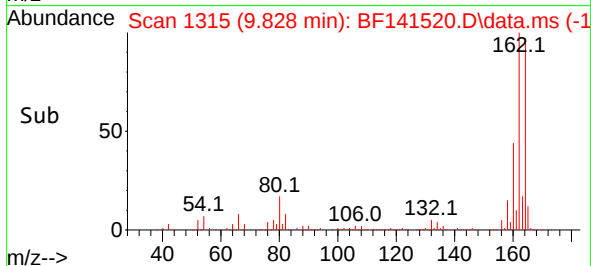
JPP-26.1-012825



Tgt Ion:164 Resp: 13111
Ion Ratio Lower Upper
164 100
162 103.2 81.3 121.9
160 45.6 35.9 53.9

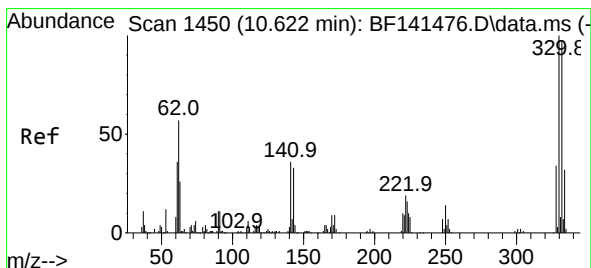
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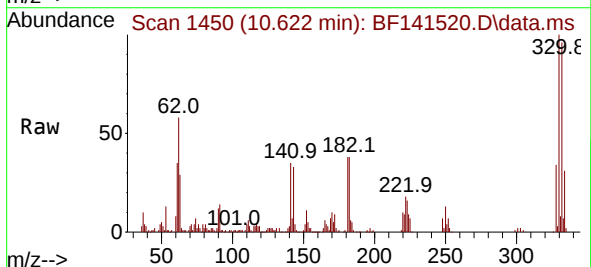


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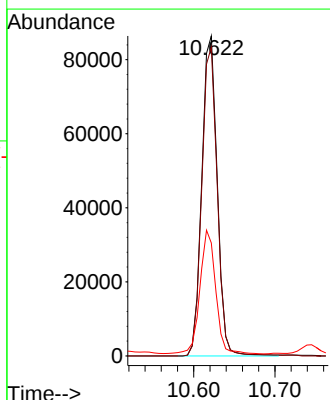
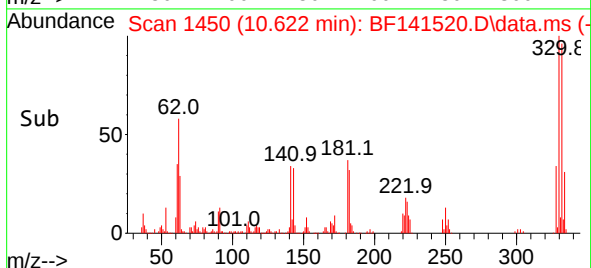
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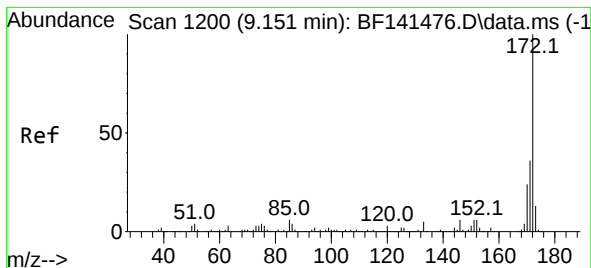


#42
2,4,6-Tribromophenol
Concen: 86.526 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47



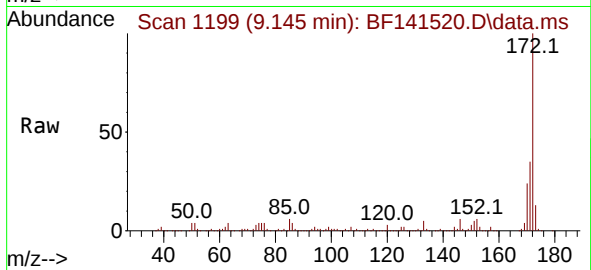
Tgt Ion:330 Resp: 113961
Ion Ratio Lower Upper
330 100
332 96.8 78.5 117.7
141 39.7 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 65.072 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

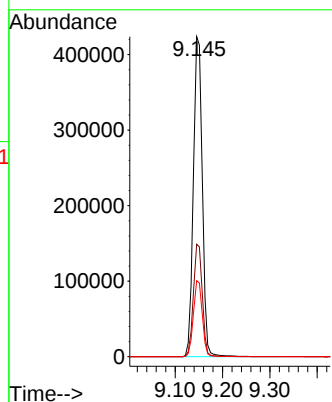
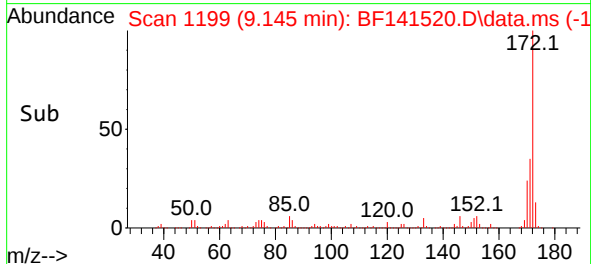
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:172 Resp: 553770
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.8 18.9 28.3

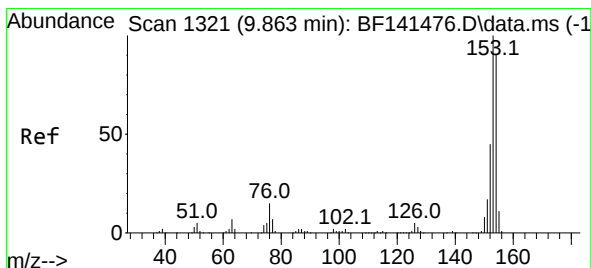
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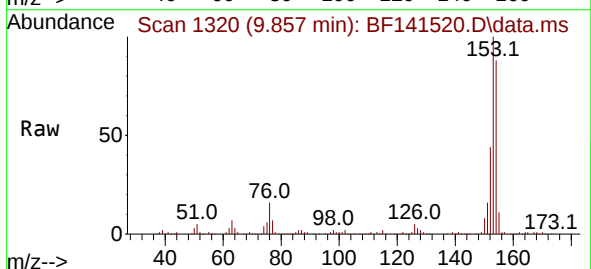


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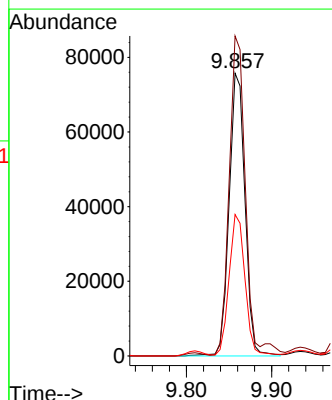
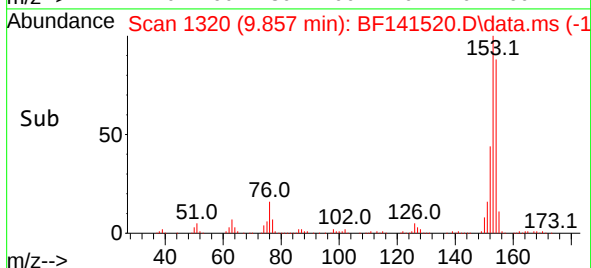
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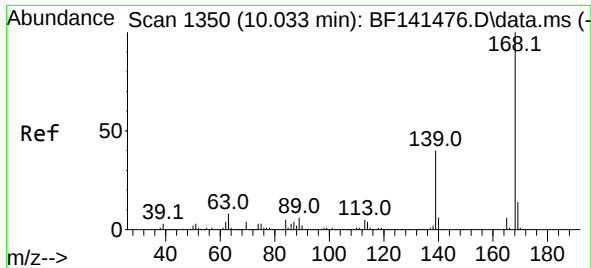


#52
Acenaphthene
Concen: 13.019 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47



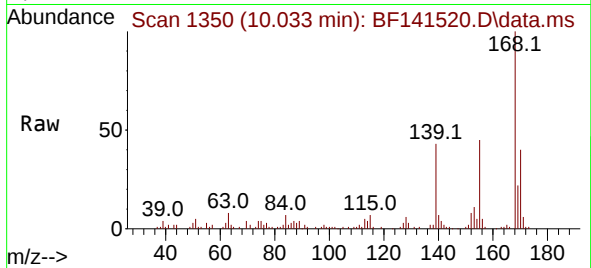
Tgt Ion:154 Resp: 97856
Ion Ratio Lower Upper
154 100
153 113.2 89.2 133.8
152 50.0 39.8 59.8





#55
Dibenzenofuran
Concen: 3.860 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

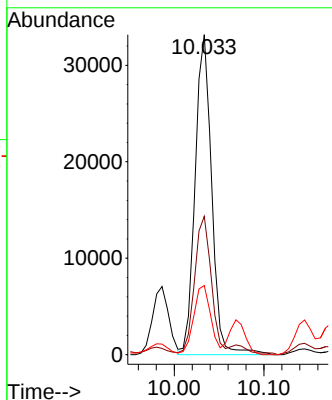
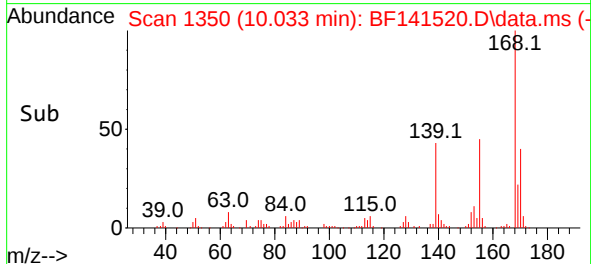
Instrument :
BNA_F
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Tgt Ion:168 Resp: 42590
Ion Ratio Lower Upper
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169 21.6 10.8 16.2

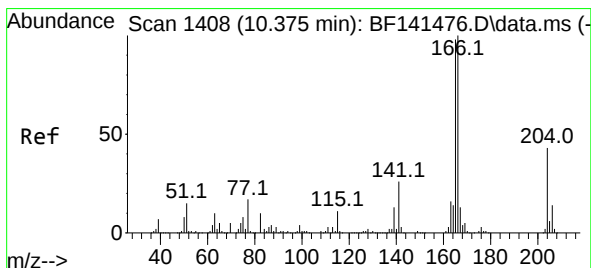
Manual Integrations
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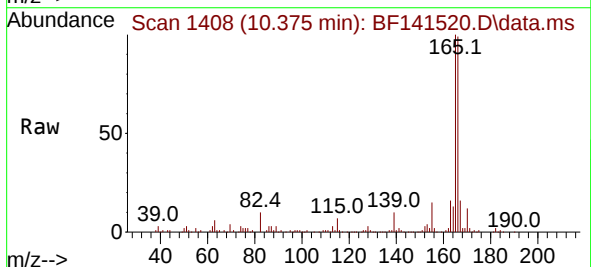


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Supervised By :mohammad
ahmed

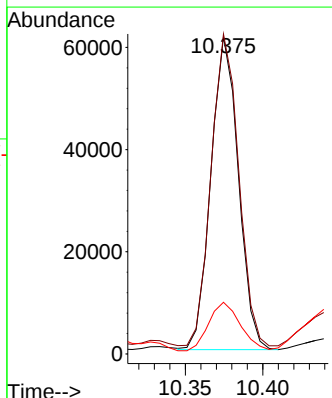
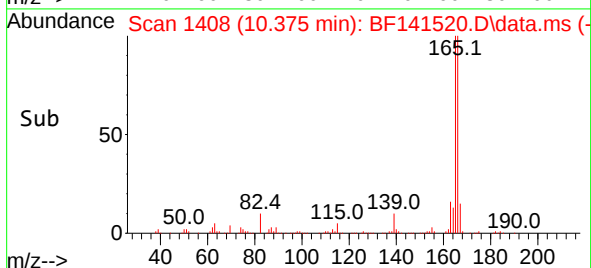
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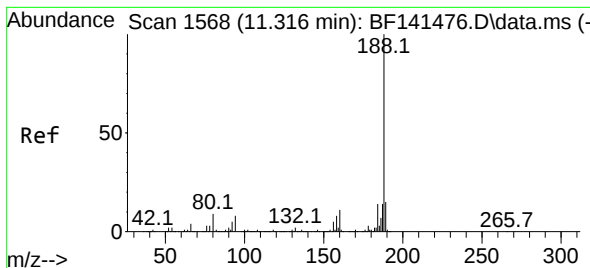


#58
Fluorene
Concen: 8.843 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47



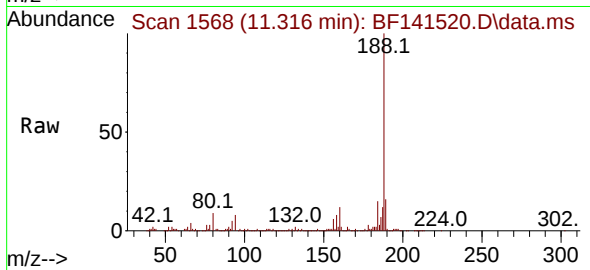
Tgt Ion:166 Resp: 75430
Ion Ratio Lower Upper
166 100
165 100.9 78.2 117.2
167 16.3 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

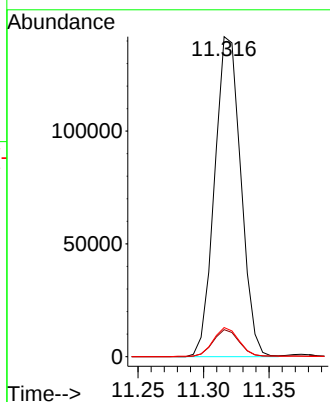
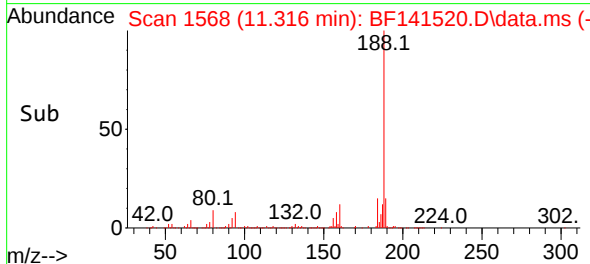
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:188 Resp: 197579
Ion Ratio Lower Upper
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80 9.1 7.3 10.9

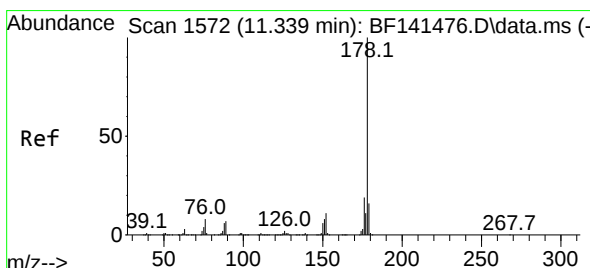
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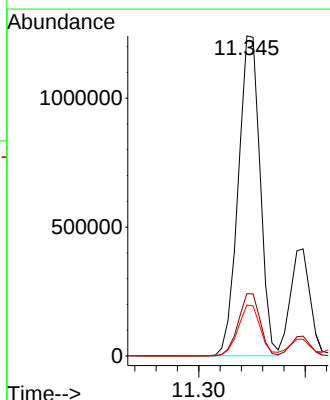
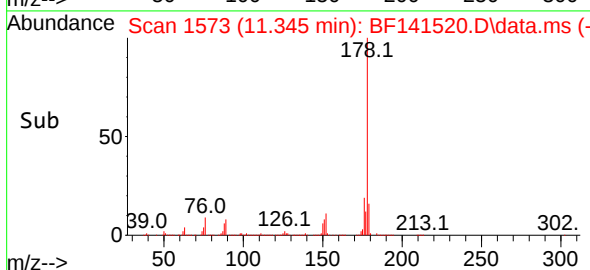
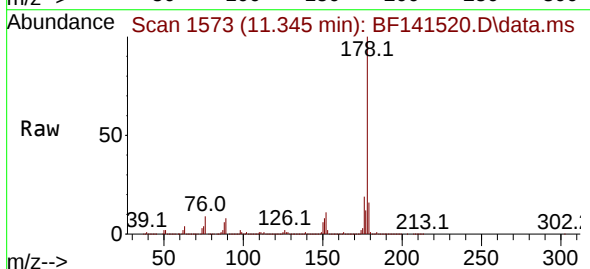
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ahmed

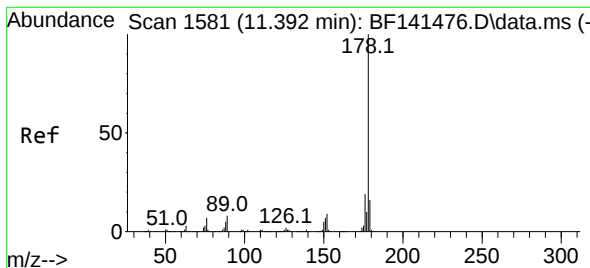
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#71
Phenanthrene
Concen: 162.943 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

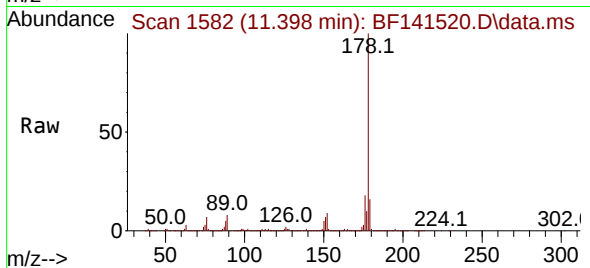
Tgt Ion:178 Resp: 1772105
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.9 12.4 18.6





#72
 Anthracene
 Concen: 48.839 ng
 RT: 11.398 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141520.D
 Acq: 07 Feb 2025 20:47

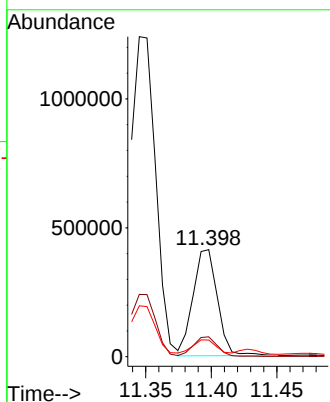
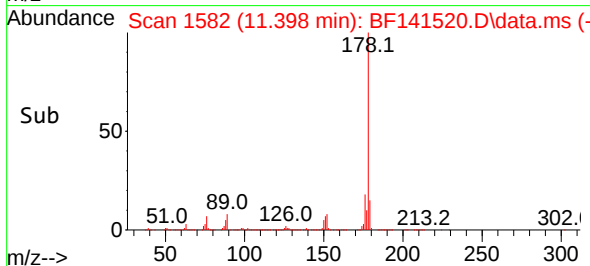
Instrument :
 BNA_F
 ClientSampleId :
 JPP-26.1-012825



Tgt Ion:178 Resp: 533944
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 15.5 12.4 18.6

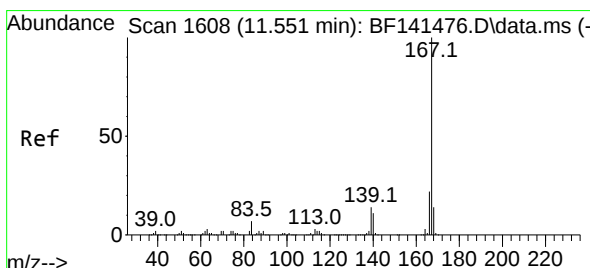
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Reviewed By :Rahul
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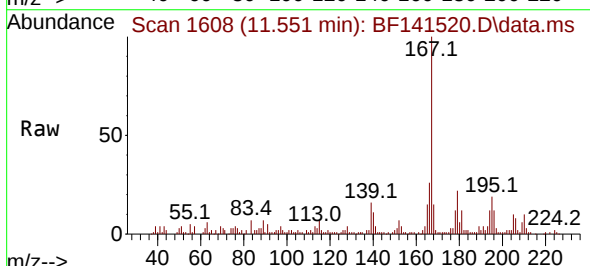


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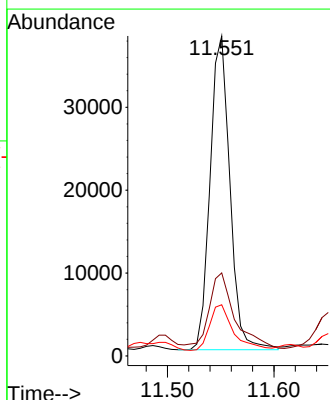
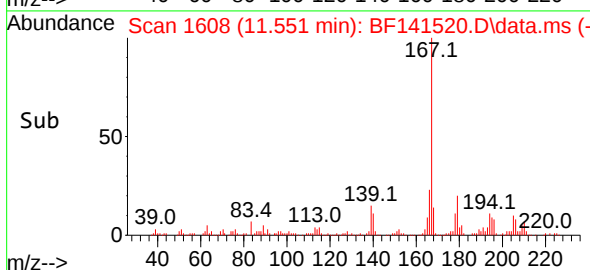
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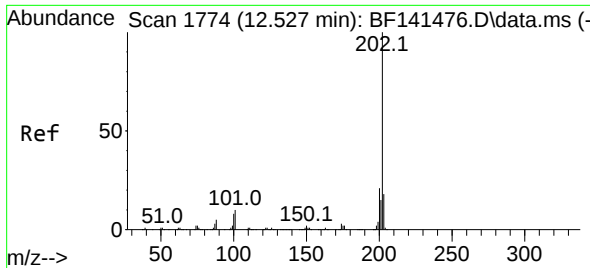


#73
 Carbazole
 Concen: 4.979 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141520.D
 Acq: 07 Feb 2025 20:47



Tgt Ion:167 Resp: 48979
 Ion Ratio Lower Upper
 167 100
 166 26.0 17.4 26.2
 139 16.0 10.9 16.3





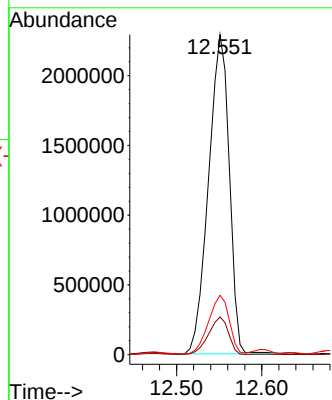
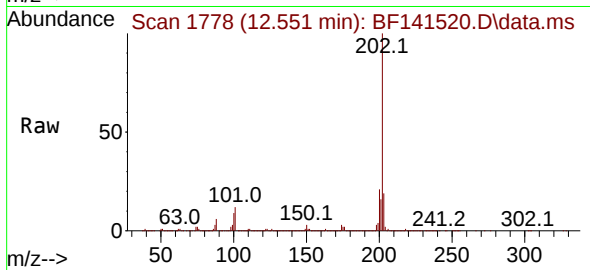
#75
Fluoranthene
Concen: 335.322 ng
RT: 12.551 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825

Tgt Ion:202 Resp: 386635
Ion Ratio Lower Upper
202 100
101 11.8 0.0 30.2
203 18.6 0.0 37.6

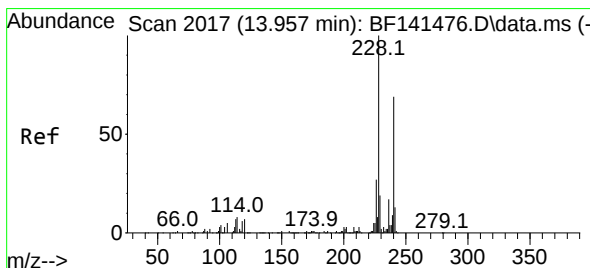
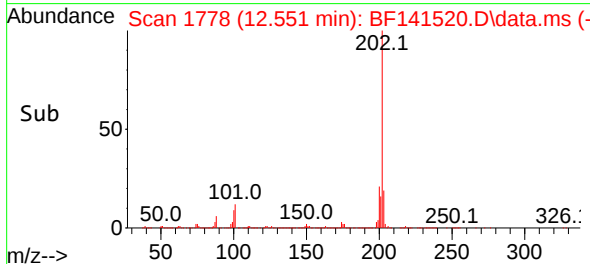
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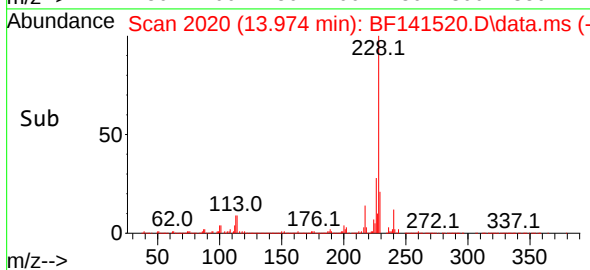
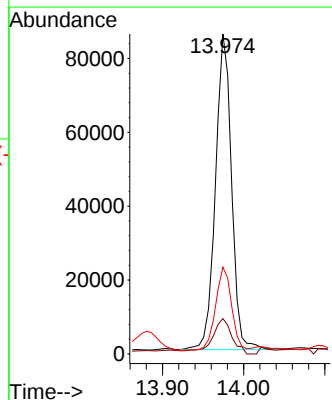
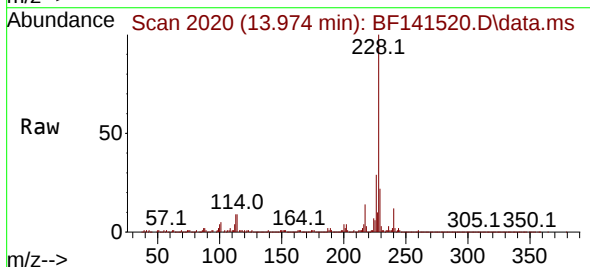
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Supervised By :mohammad
ahmed

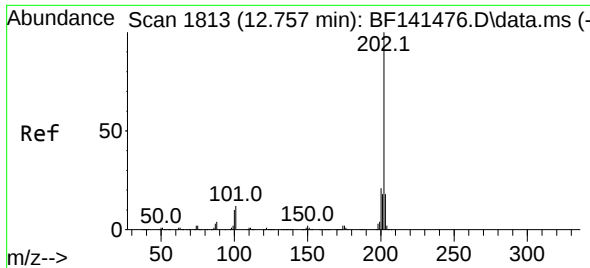
02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

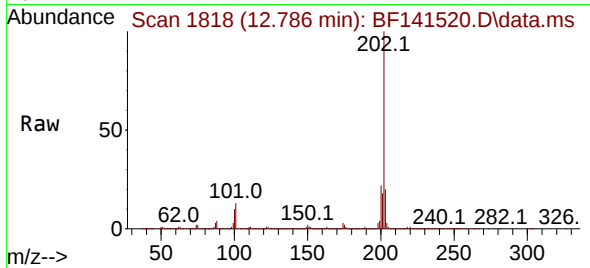
Tgt Ion:240 Resp: 117908
Ion Ratio Lower Upper
240 100
120 11.1 8.0 12.0
236 27.1 19.8 29.8





#78
Pyrene
Concen: 385.790 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.024 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

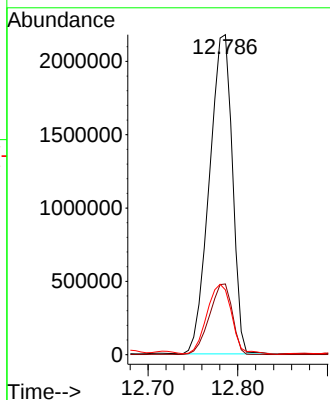
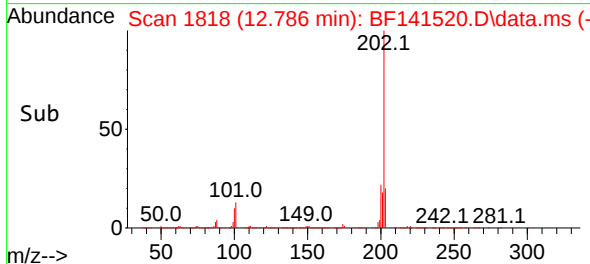
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:202 Resp: 3872235
Ion Ratio Lower Upper
202 100
200 22.1 17.0 25.4
203 20.3 14.3 21.5

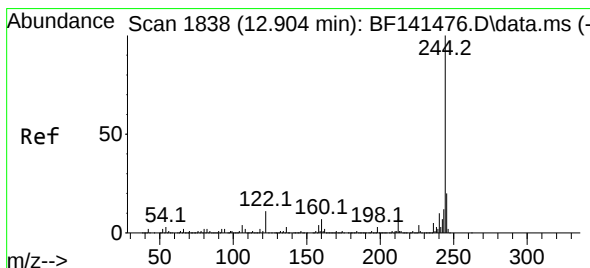
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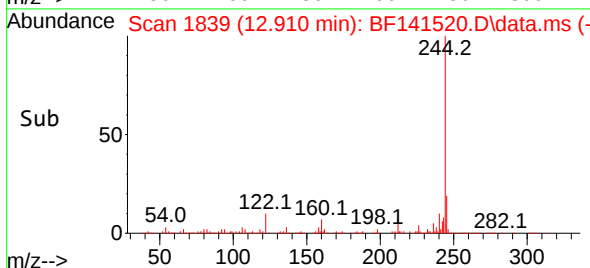
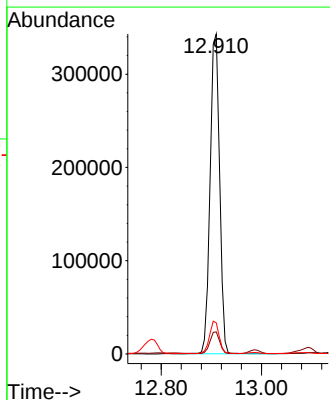
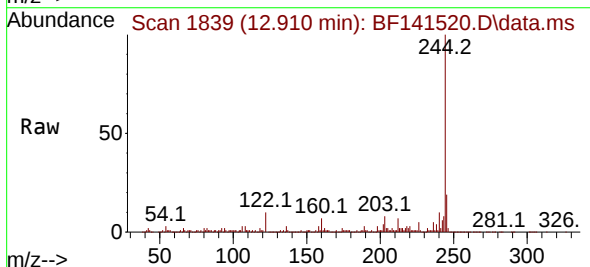
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Supervised By :mohammad
ahmed

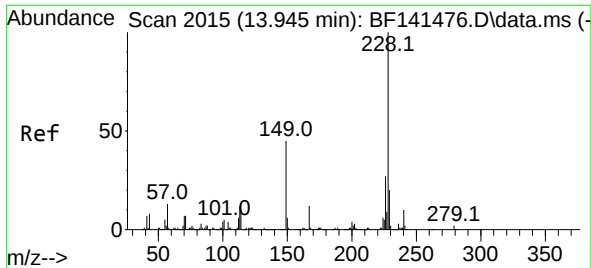
02/12/2025



#79
Terphenyl-d14
Concen: 64.579 ng
RT: 12.910 min Scan# 1839
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

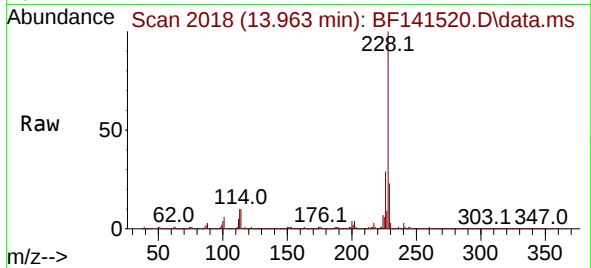
Tgt Ion:244 Resp: 451046
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 9.7 8.4 12.6





#81
Benzo(a)anthracene
Concen: 241.661 ng
RT: 13.963 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

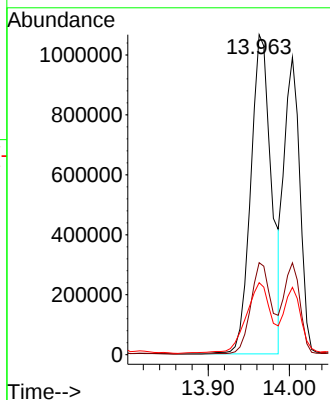
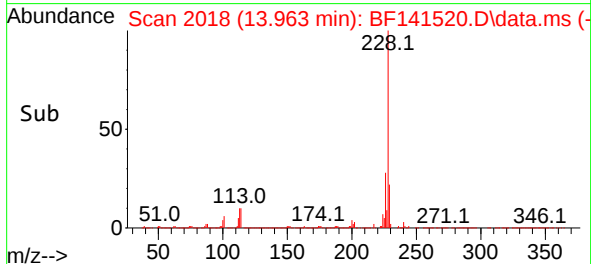
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:228 Resp: 1894079
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 22.5 15.8 23.6

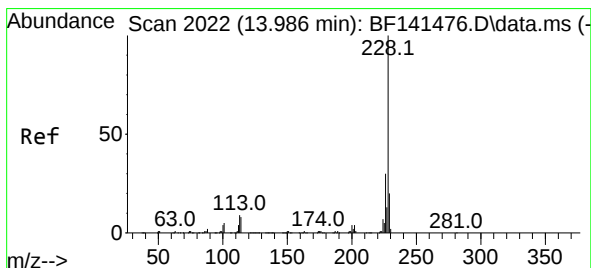
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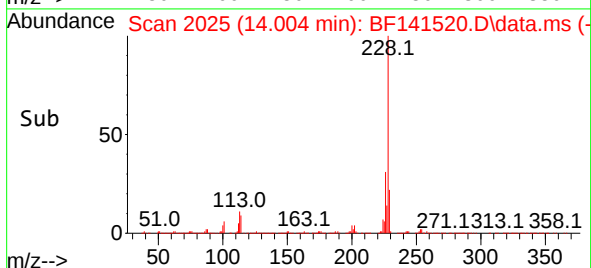
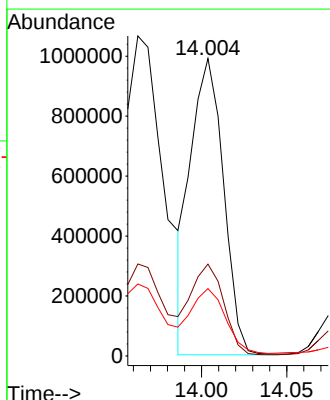
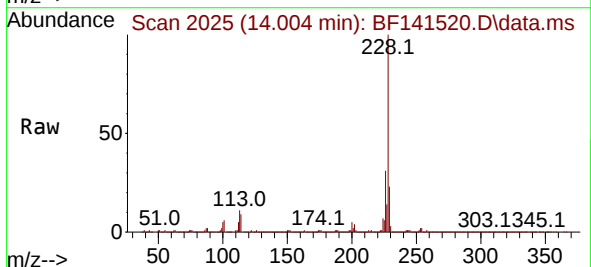
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Supervised By :mohammad
ahmed

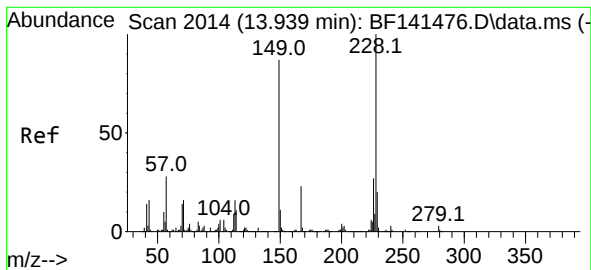
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#83
Chrysene
Concen: 182.941 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.012 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

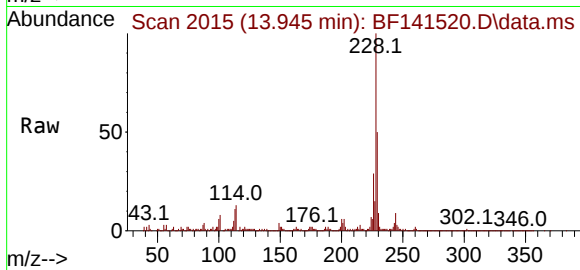
Tgt Ion:228 Resp: 1323936
Ion Ratio Lower Upper
228 100
226 30.9 24.0 36.0
229 22.6 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.624 ng
RT: 13.945 min Scan# 2014
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

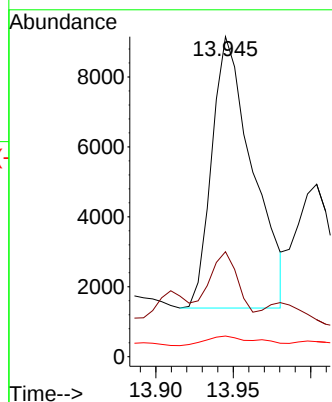
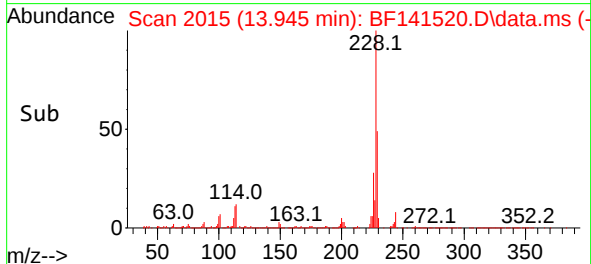
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:149 Resp: 14209
Ion Ratio Lower Upper
149 100
167 32.8 21.4 32.0
279 6.4 3.1 4.7

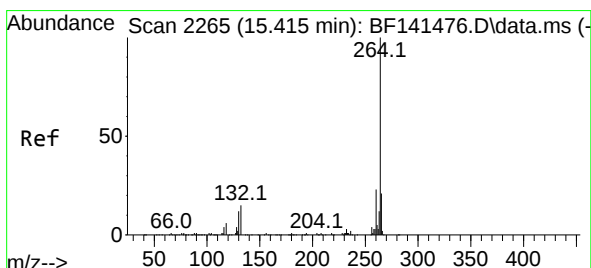
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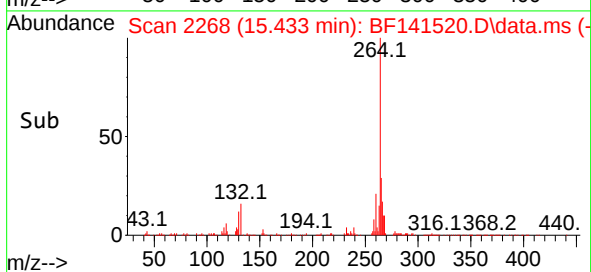
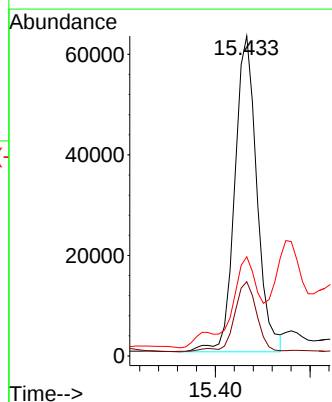
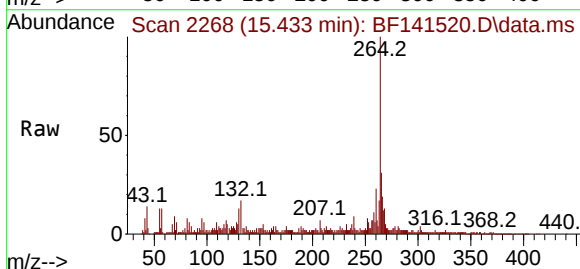
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ahmed

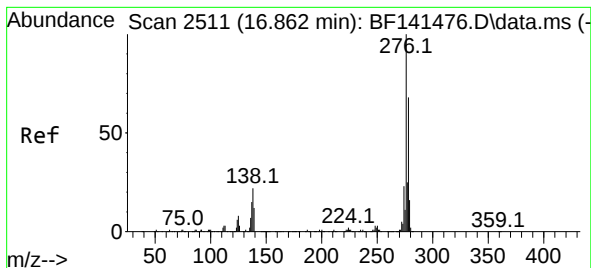
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:264 Resp: 102212
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 31.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 98.771 ng

RT: 16.892 min Scan# 2198

Delta R.T. 0.018 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNA_F

ClientSampleId :

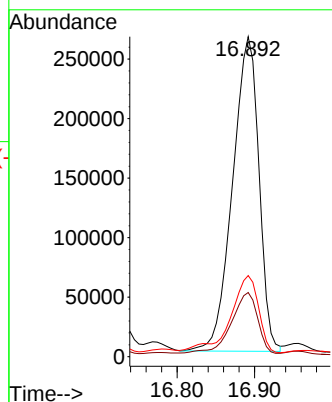
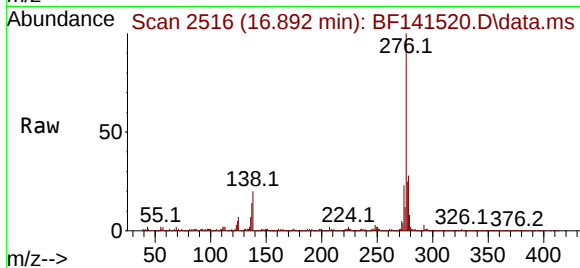
JPP-26.1-012825

Tgt Ion:276 Resp: 62379

Ion	Ratio	Lower	Upper
276	100		
138	20.8	18.0	27.0
277	26.5	20.4	30.6

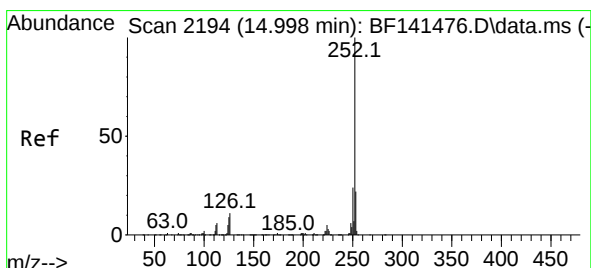
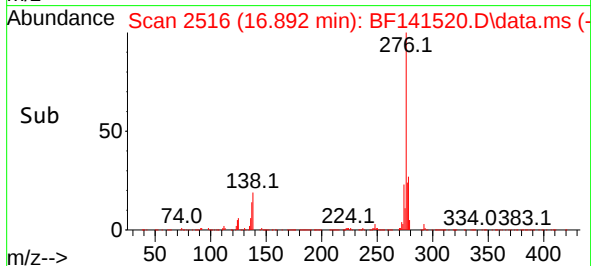
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#88

Benzo(b)fluoranthene

Concen: 228.322 ng m

RT: 15.021 min Scan# 2198

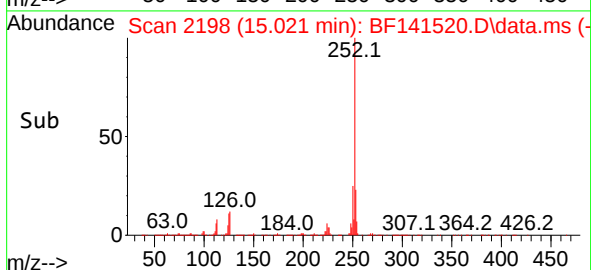
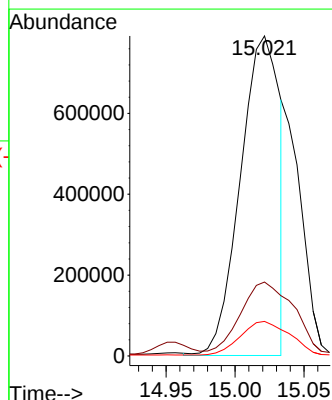
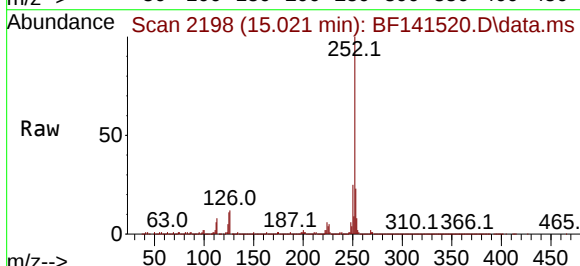
Delta R.T. 0.018 min

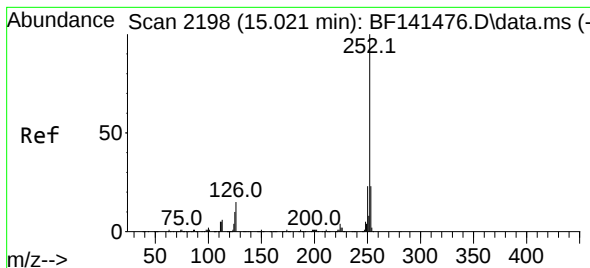
Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Tgt Ion:252 Resp: 1566982

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	10.8	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 89.845 ng m

RT: 15.033 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

Instrument :

BNF

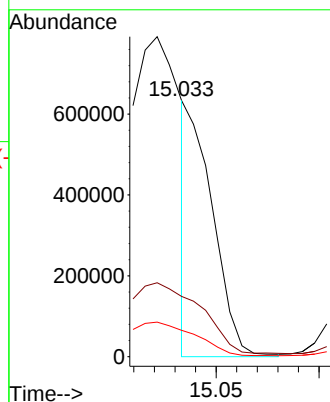
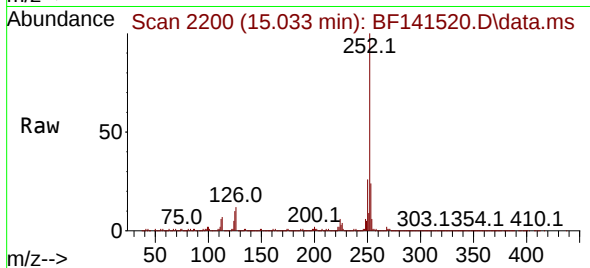
ClientSampleId :

JPP-26.1-012825

Tgt Ion:252 Resp: 526532
 Ion Ratio Lower Upper
 252 100
 253 23.5 18.0 27.0
 125 10.3 7.4 11.0

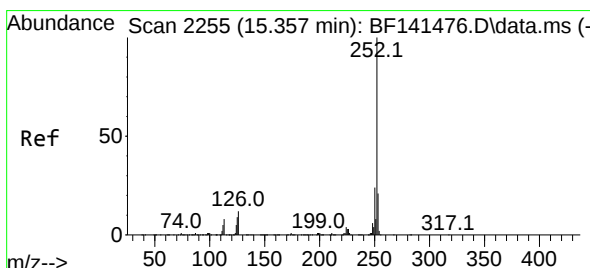
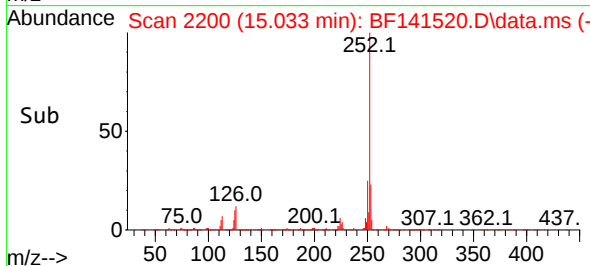
Manual Integrations
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 Chavli



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 ahmed

02/12/2025



#90

Benzo(a)pyrene

Concen: 206.364 ng

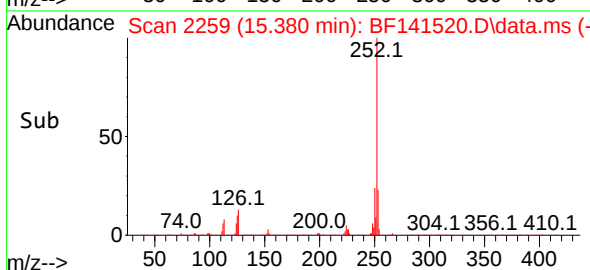
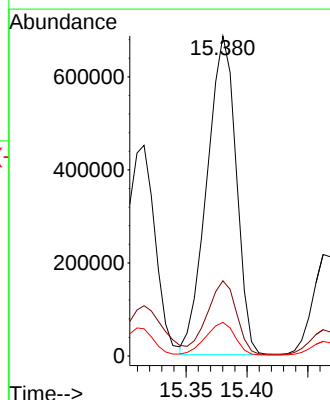
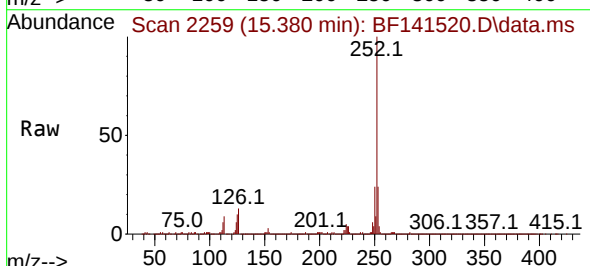
RT: 15.380 min Scan# 2259

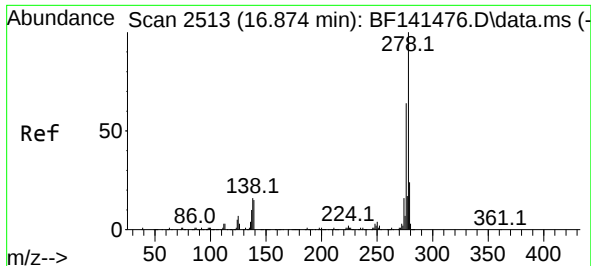
Delta R.T. 0.018 min

Lab File: BF141520.D

Acq: 07 Feb 2025 20:47

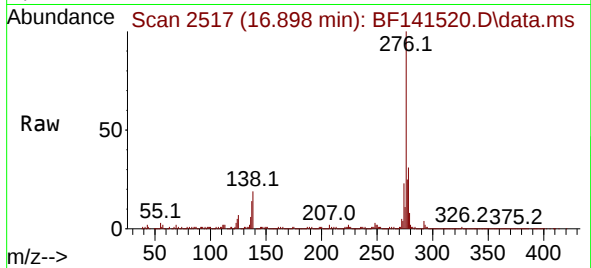
Tgt Ion:252 Resp: 1146009
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.1 25.7
 125 10.5 7.4 11.2





#91
Dibenzo(a,h)anthracene
Concen: 29.460 ng m
RT: 16.898 min Scan# 2513
Delta R.T. 0.006 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

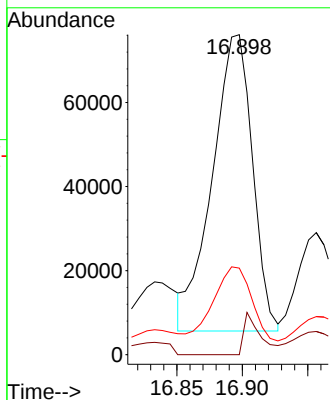
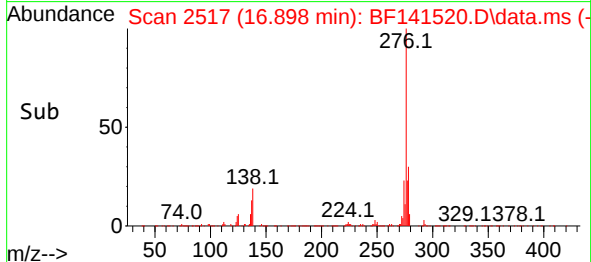
Instrument :
BNA_F
ClientSampleId :
JPP-26.1-012825



Tgt Ion:278 Resp: 150760
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6
279 27.0 19.1 28.7

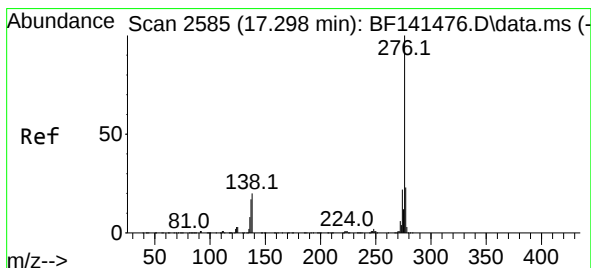
Manual Integrations
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Chavli



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ahmed

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#92
Benzo(g,h,i)perylene
Concen: 111.118 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.018 min
Lab File: BF141520.D
Acq: 07 Feb 2025 20:47

Tgt Ion:276 Resp: 595057
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 20.3 15.9 23.9

