

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132279.D
 Acq On : 02 Feb 2023 01:20
 Operator : CG\JU
 Sample : 01358-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-11-012723

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/02/2023
 Supervised By : Jagrut Upadhyay 02/02/2023

Quant Time: Feb 02 03:59:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 02 01:30:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.072	152	151307	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	550461	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	244826	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	415769	20.000	ng	0.00
76) Chrysene-d12	14.283	240	229608	20.000	ng	0.00
86) Perylene-d12	15.871	264	189952	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	810026	86.052	ng	0.00
7) Phenol-d6	6.684	99	981701	84.592	ng	0.00
23) Nitrobenzene-d5	7.631	82	604058	61.065	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	218006	86.589	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	975688	61.542	ng	0.00
79) Terphenyl-d14	13.213	244	854277	71.971	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.154	154	51316	3.494	ng	99
58) Fluorene	10.672	166	53661	3.378	ng	97
71) Phenanthrene	11.648	178	853272	39.274	ng	99
72) Anthracene	11.695	178	232631	10.521	ng	98
75) Fluoranthene	12.848	202	1257010	56.696	ng	98
78) Pyrene	13.083	202	1158633	62.739	ng	100
81) Benzo(a)anthracene	14.271	228	487648	30.366	ng	98
83) Chrysene	14.313	228	392375	26.093	ng	98
87) Indeno(1,2,3-cd)pyrene	17.524	276	168510	13.351	ng	# 93
88) Benzo(b)fluoranthene	15.395	252	402627m	33.346	ng	
89) Benzo(k)fluoranthene	15.424	252	150923m	13.095	ng	
90) Benzo(a)pyrene	15.807	252	301277	26.796	ng	98
91) Dibenzo(a,h)anthracene	17.536	278	42444	4.183	ng	# 83
92) Benzo(g,h,i)perylene	18.030	276	164317	15.674	ng	98

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

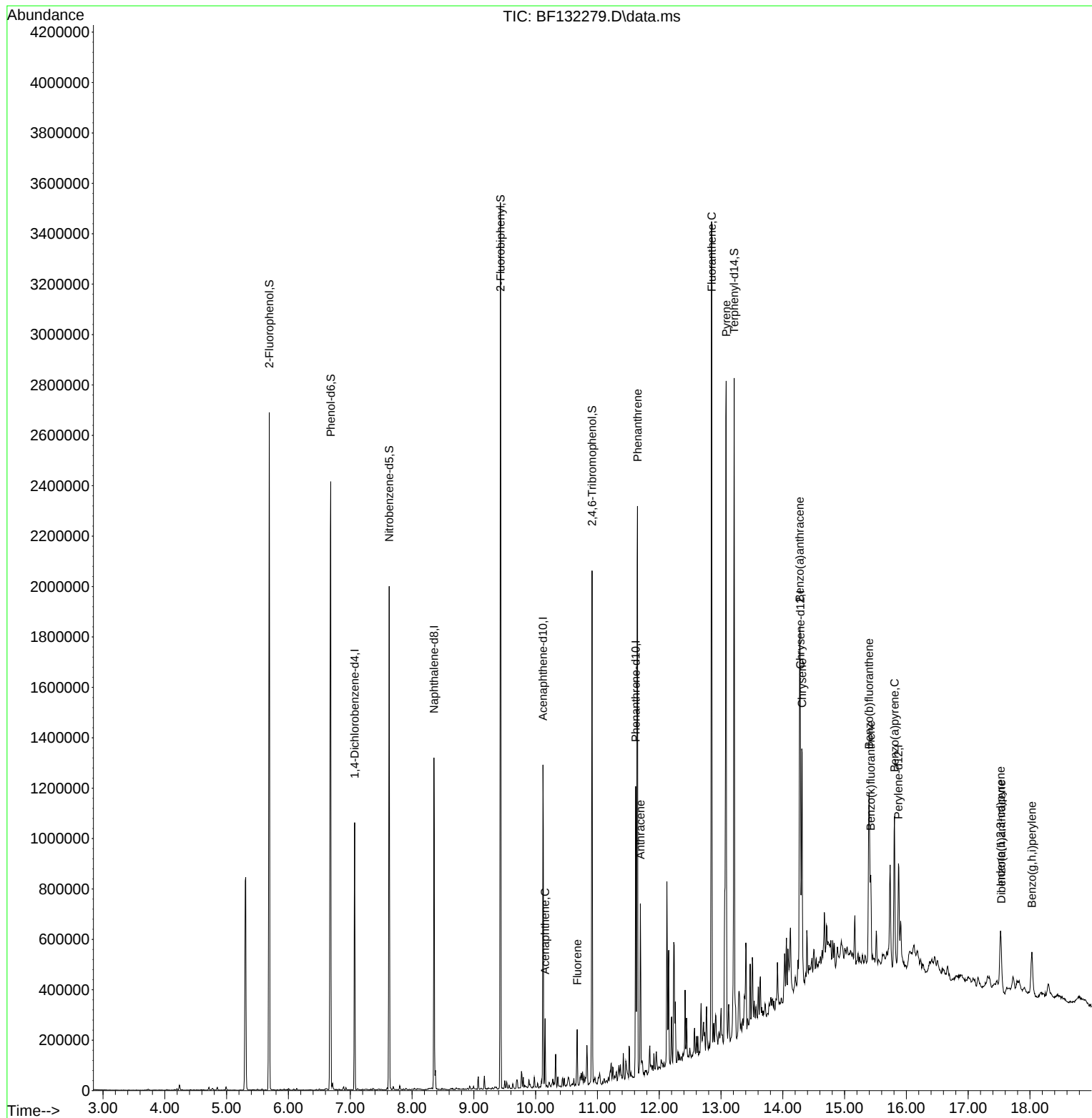
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
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ALS Vial : 19 Sample Multiplier: 1

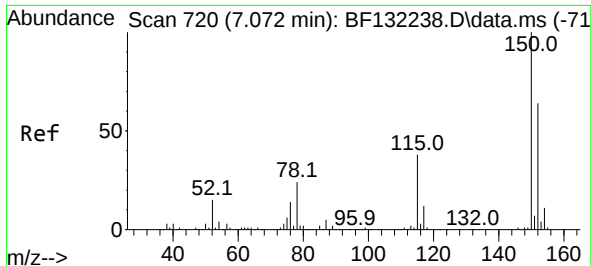
Instrument :
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Quant Time: Feb 02 03:59:35 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 02 01:30:34 2023
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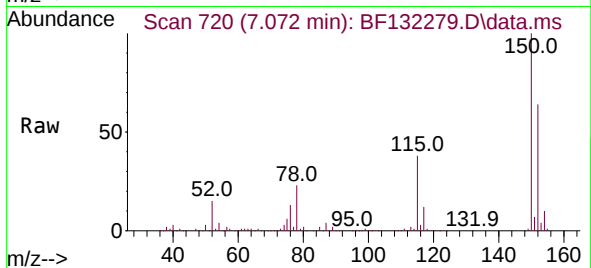
Reviewed By : Christian Giraldo 02/02/2023
Supervised By : Jagrut Upadhyay 02/02/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.072 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BF132279.D
 Acq: 02 Feb 2023 01:20

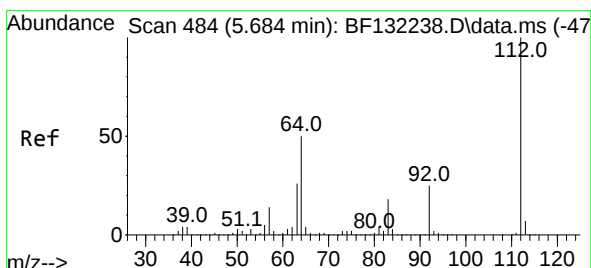
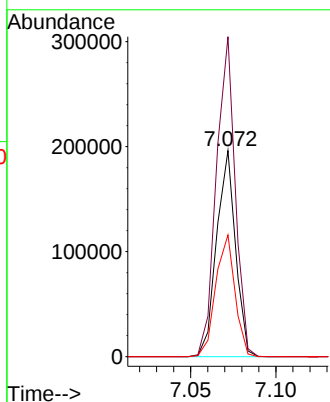
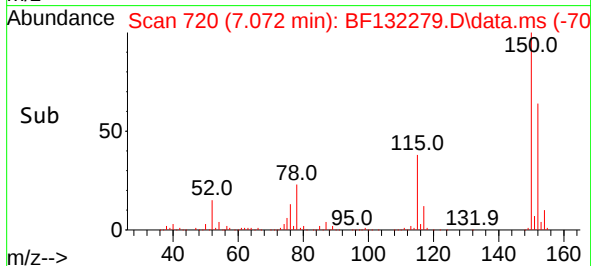
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 ClientSampleId :
 JPP-11-012723



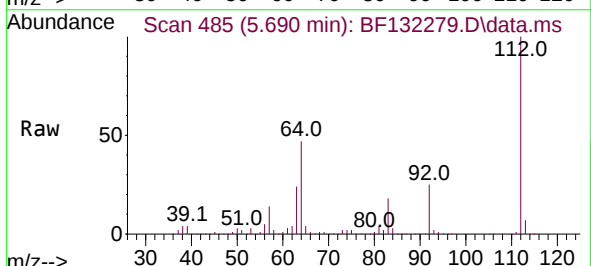
Tgt Ion:152 Resp: 151307
 Ion Ratio Lower Upper
 152 100
 150 155.3 124.2 186.2
 115 59.1 47.3 70.9

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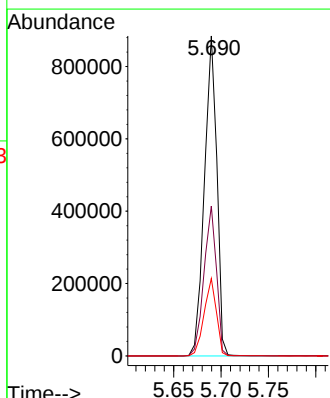
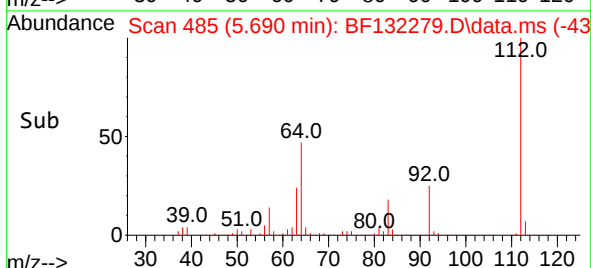
Reviewed By :Christian Giraldo 02/02/2023
 Supervised By :Jagrut Upadhyay 02/02/2023

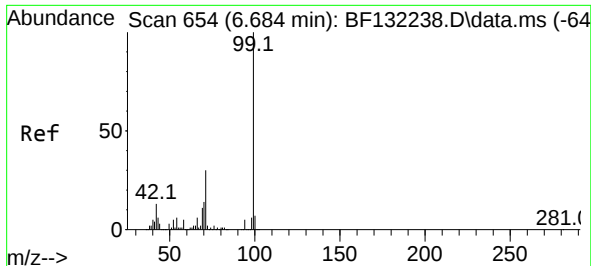


#5
 2-Fluorophenol
 Concen: 86.052 ng
 RT: 5.690 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: BF132279.D
 Acq: 02 Feb 2023 01:20



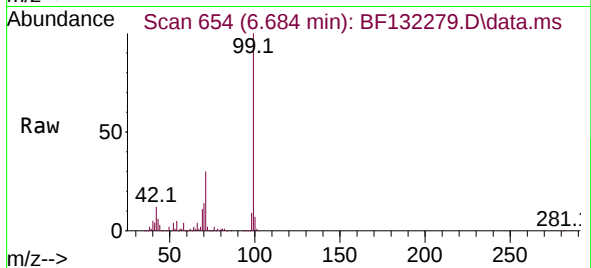
Tgt Ion:112 Resp: 810026
 Ion Ratio Lower Upper
 112 100
 64 46.8 40.0 60.0
 63 24.2 20.5 30.7





#7
Phenol-d6
Concen: 84.592 ng
RT: 6.684 min Scan# 654
Delta R.T. -0.000 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

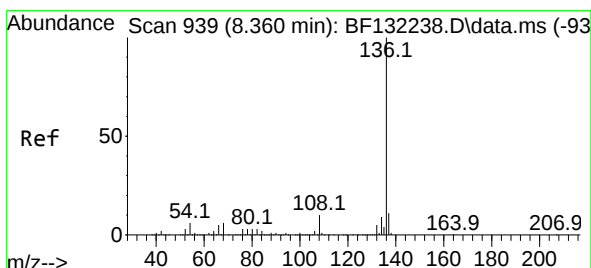
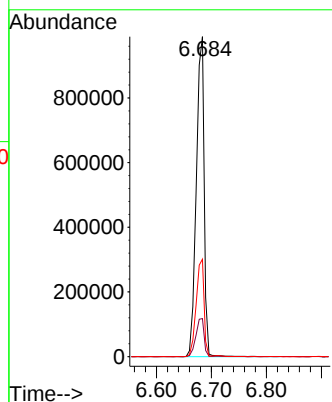
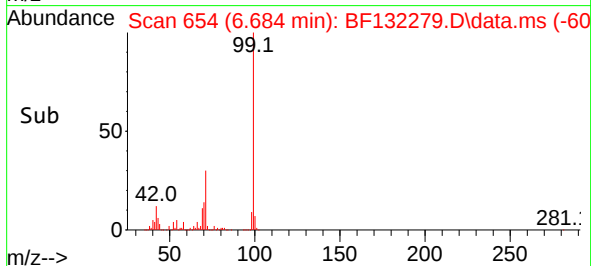
Instrument :
BNA_F
ClientSampleId :
JPP-11-012723



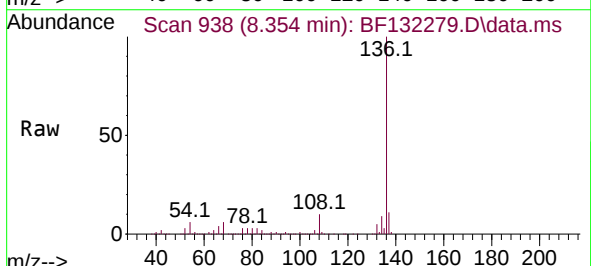
Tgt Ion: 99 Resp: 981701
Ion Ratio Lower Upper
99 100
42 11.9 10.1 15.1
71 30.4 24.2 36.4

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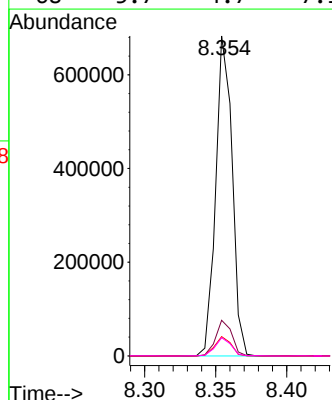
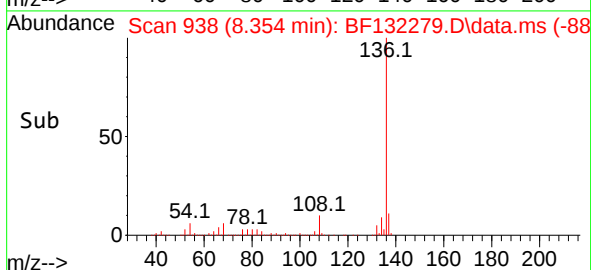
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 938
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20



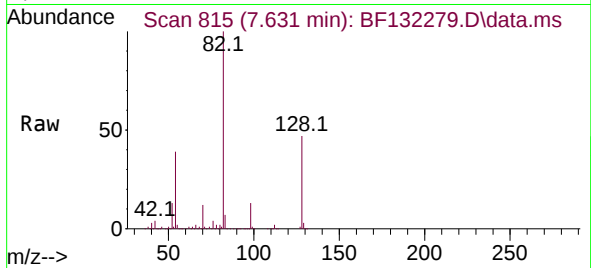
Tgt Ion:136 Resp: 550461
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.0 4.9 7.3
68 5.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 61.065 ng
RT: 7.631 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

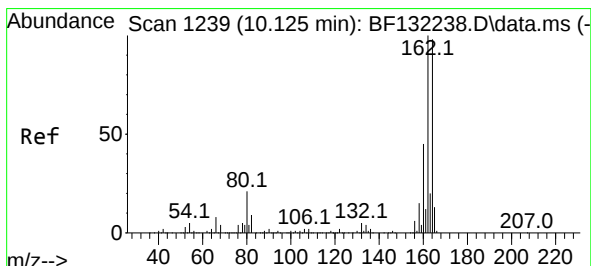
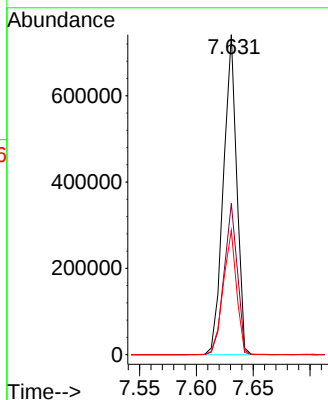
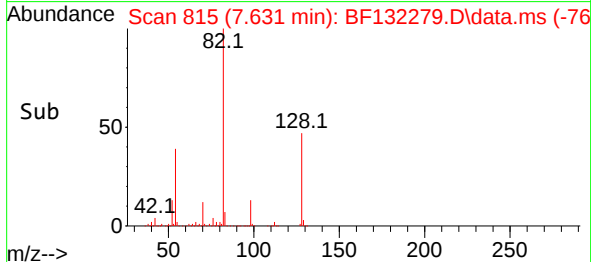
Instrument :
BNA_F
ClientSampleId :
JPP-11-012723



Tgt Ion: 82 Resp: 604058
Ion Ratio Lower Upper
82 100
128 47.2 37.0 55.4
54 38.8 31.5 47.3

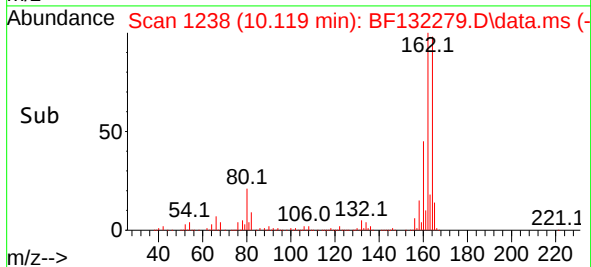
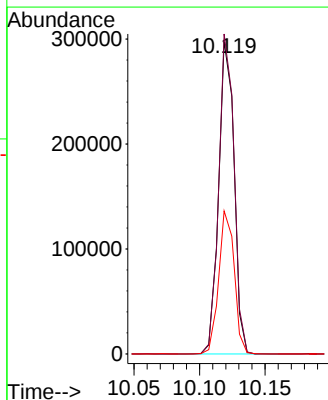
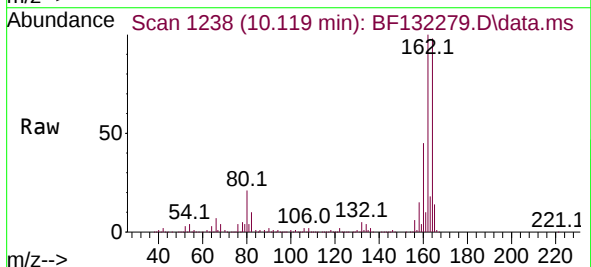
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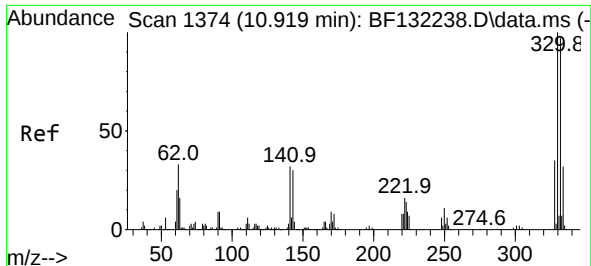
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

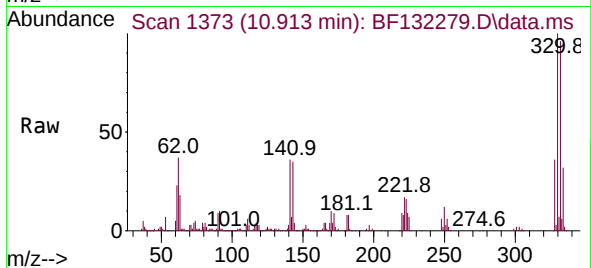
Tgt Ion:164 Resp: 244826
Ion Ratio Lower Upper
164 100
162 102.5 82.0 123.0
160 45.8 37.1 55.7





#42
2,4,6-Tribromophenol
Concen: 86.589 ng
RT: 10.913 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

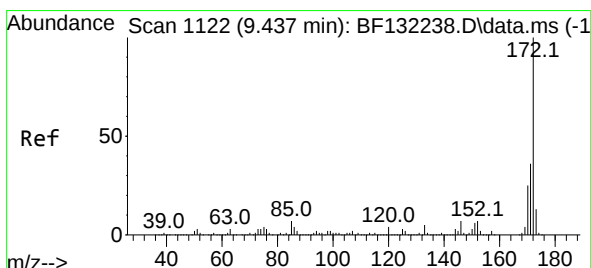
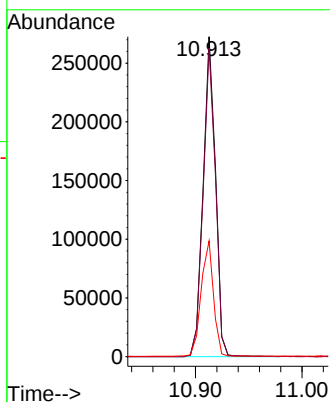
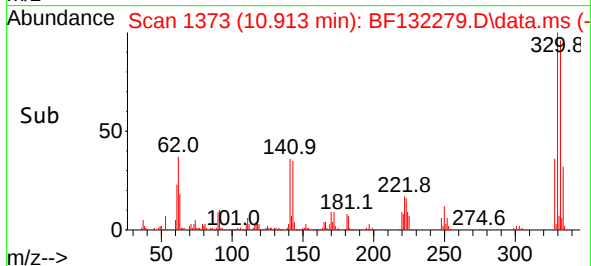
Instrument :
BNA_F
ClientSampleId :
JPP-11-012723



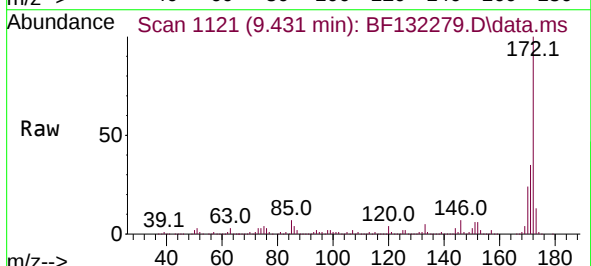
Tgt Ion: 330 Resp: 218006
Ion Ratio Lower Upper
330 100
332 96.5 77.9 116.9
141 36.3 31.0 46.4

Manual Integrations
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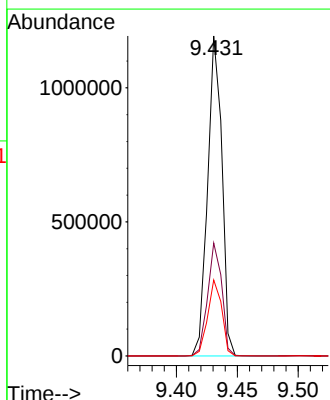
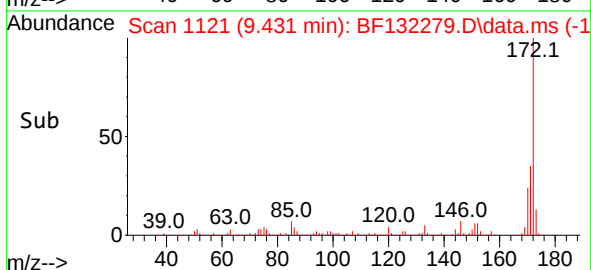
Reviewed By : Christian Giraldo 02/02/2023
Supervised By : Jagrut Upadhyay 02/02/2023

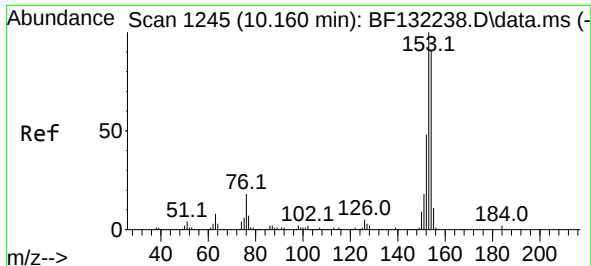


#45
2-Fluorobiphenyl
Concen: 61.542 ng
RT: 9.431 min Scan# 1121
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20



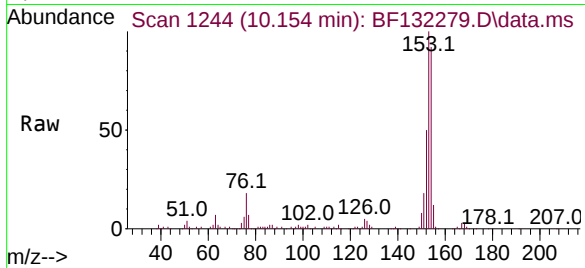
Tgt Ion: 172 Resp: 975688
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.7 19.7 29.5





#52
Acenaphthene
Concen: 3.494 ng
RT: 10.154 min Scan# 1244
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

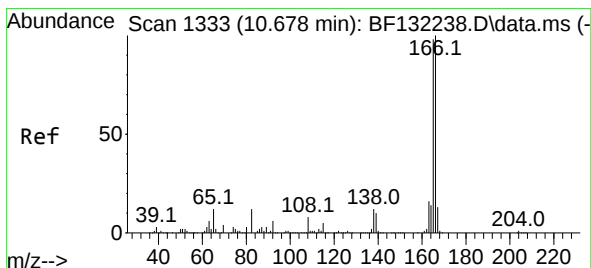
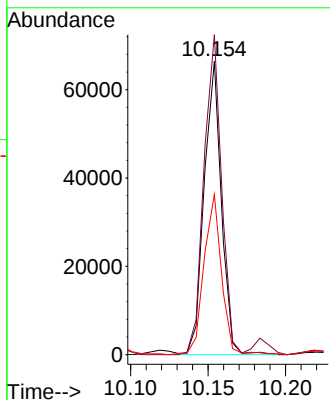
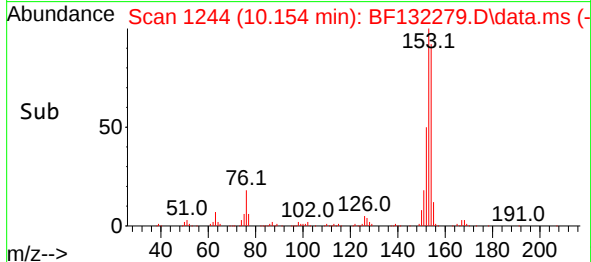
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JPP-11-012723



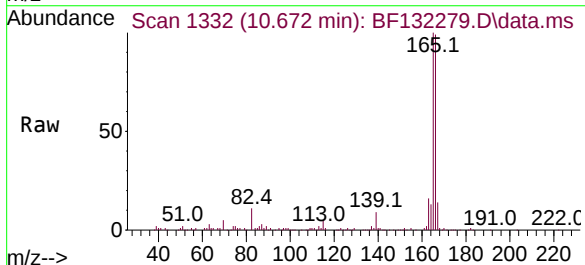
Tgt Ion:154 Resp: 51316
Ion Ratio Lower Upper
154 100
153 109.1 88.3 132.5
152 54.6 42.7 64.1

Manual Integrations
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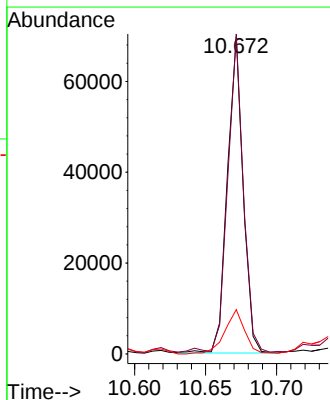
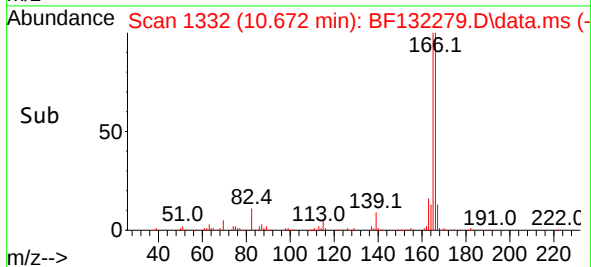
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023

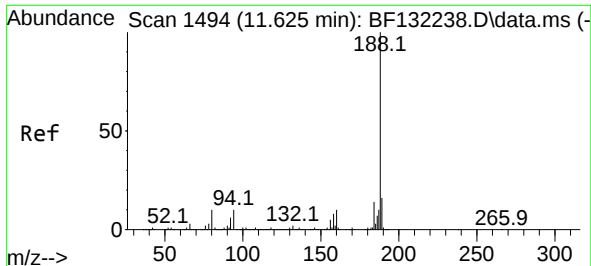


#58
Fluorene
Concen: 3.378 ng
RT: 10.672 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20



Tgt Ion:166 Resp: 53661
Ion Ratio Lower Upper
166 100
165 100.9 78.0 117.0
167 14.0 10.8 16.2





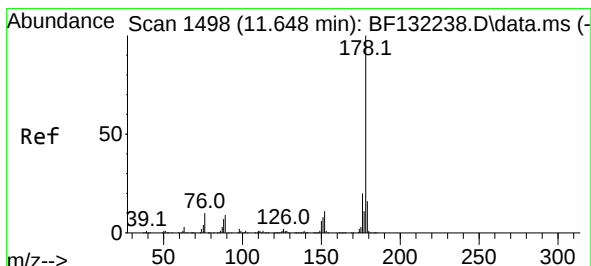
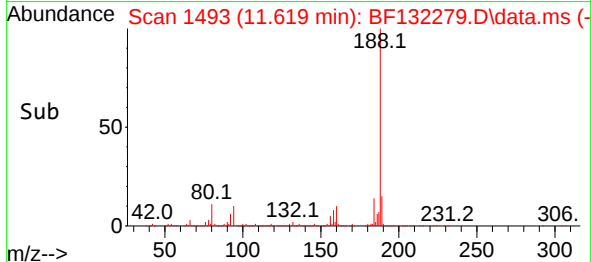
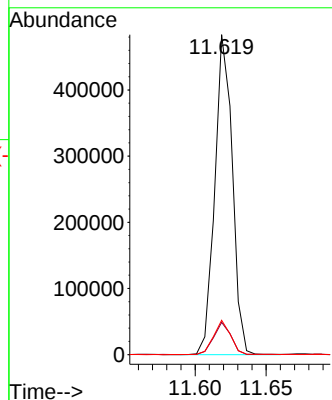
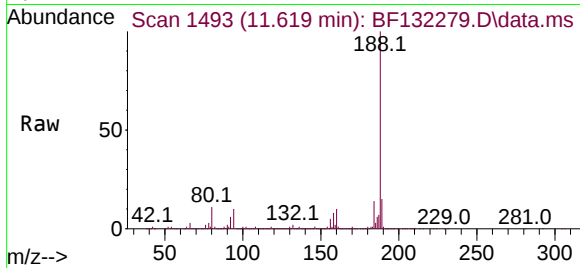
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1493
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

Instrument :
BNA_F
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JPP-11-012723

Tgt Ion:188 Resp: 415769
Ion Ratio Lower Upper
188 100
94 10.1 8.2 12.2
80 10.7 8.3 12.5

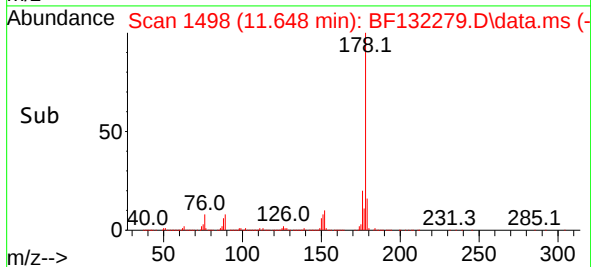
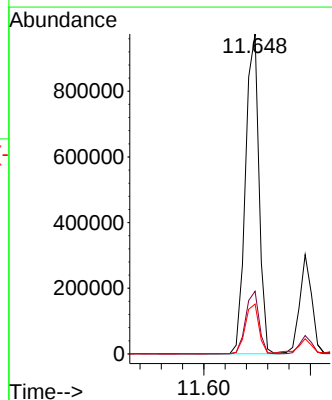
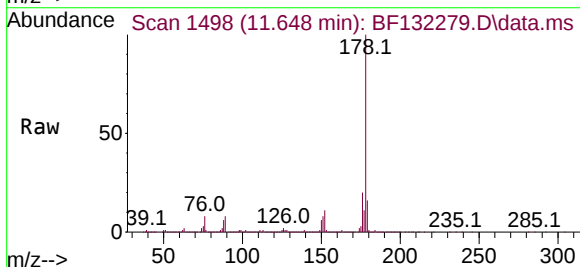
Manual Integrations
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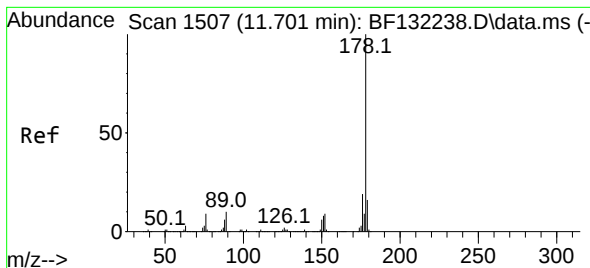
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#71
Phenanthrene
Concen: 39.274 ng
RT: 11.648 min Scan# 1498
Delta R.T. -0.000 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

Tgt Ion:178 Resp: 853272
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.4
179 15.6 12.8 19.2





#72

Anthracene

Concen: 10.521 ng

RT: 11.695 min Scan# 1506

Delta R.T. -0.006 min

Lab File: BF132279.D

Acq: 02 Feb 2023 01:20

Instrument :

BNA_F

ClientSampleId :

JPP-11-012723

Tgt Ion:178 Resp: 232631

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

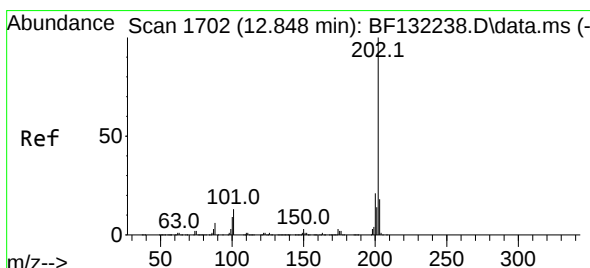
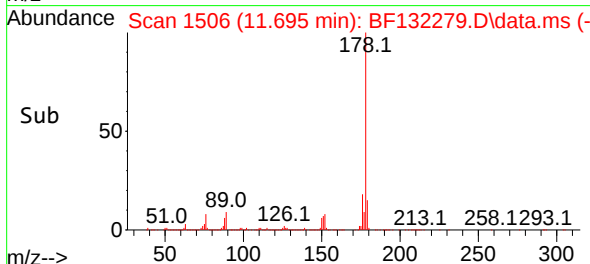
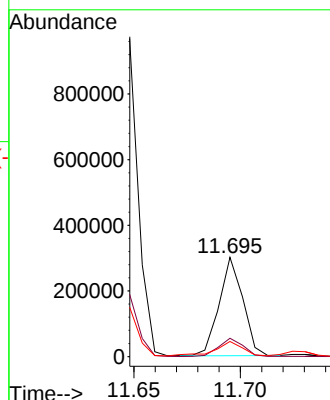
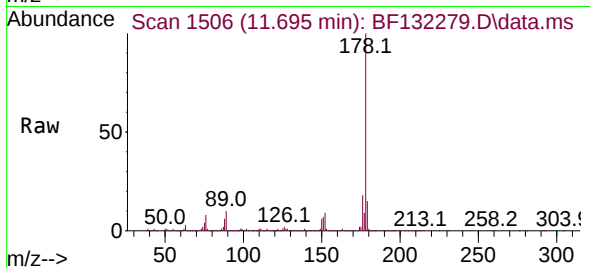
179 15.2 12.8 19.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/02/2023



#75

Fluoranthene

Concen: 56.696 ng

RT: 12.848 min Scan# 1702

Delta R.T. -0.000 min

Lab File: BF132279.D

Acq: 02 Feb 2023 01:20

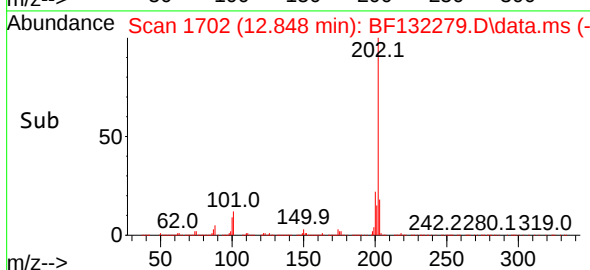
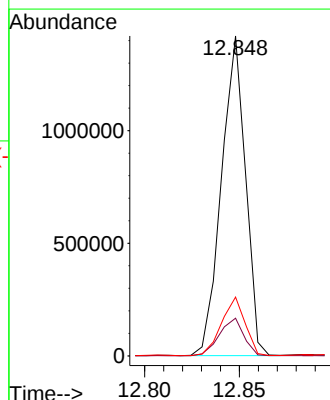
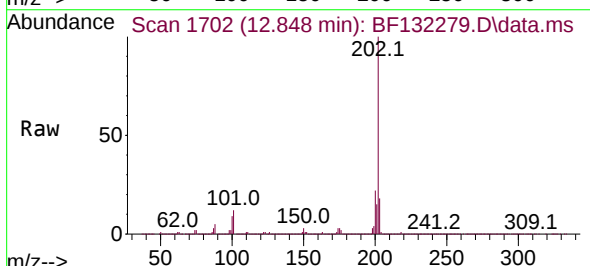
Tgt Ion:202 Resp: 1257010

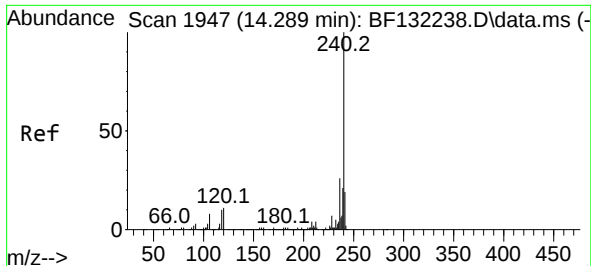
Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.7

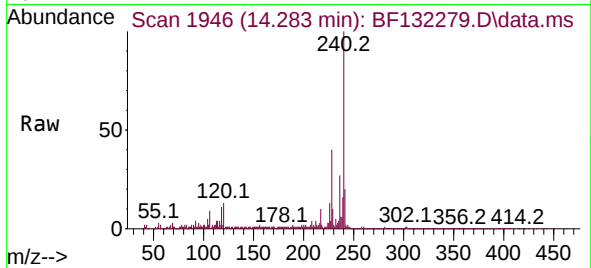
203 18.4 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.283 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

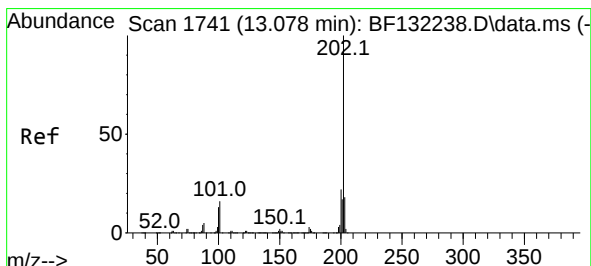
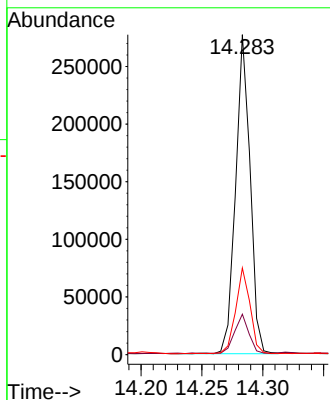
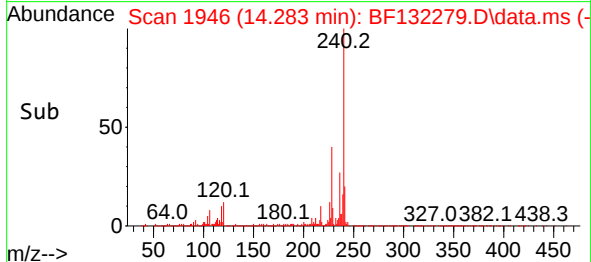
Instrument :
BNA_F
ClientSampleId :
JPP-11-012723



Tgt Ion:240 Resp: 229608
Ion Ratio Lower Upper
240 100
120 12.6 8.8 13.2
236 27.1 21.0 31.6

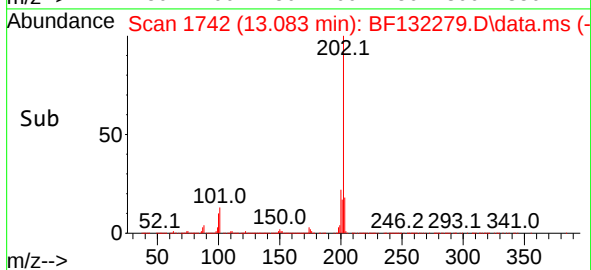
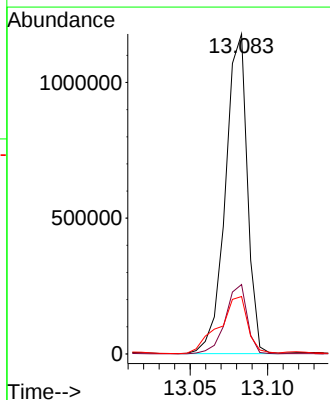
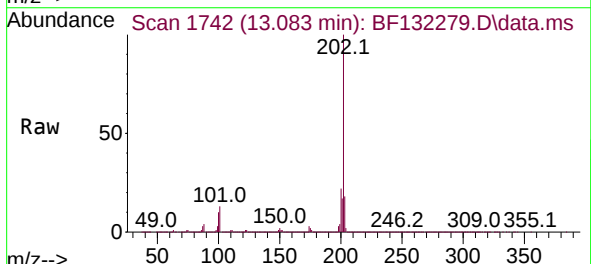
Manual Integrations
APPROVED

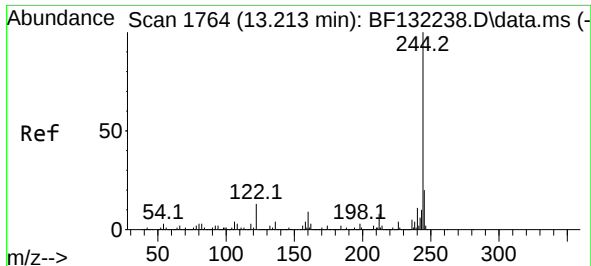
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#78
Pyrene
Concen: 62.739 ng
RT: 13.083 min Scan# 1742
Delta R.T. 0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

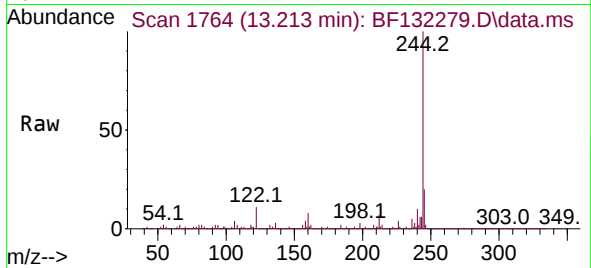
Tgt Ion:202 Resp: 1158633
Ion Ratio Lower Upper
202 100
200 21.7 17.3 25.9
203 17.9 14.4 21.6





#79
Terphenyl-d14
Concen: 71.971 ng
RT: 13.213 min Scan# 1764
Delta R.T. -0.000 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

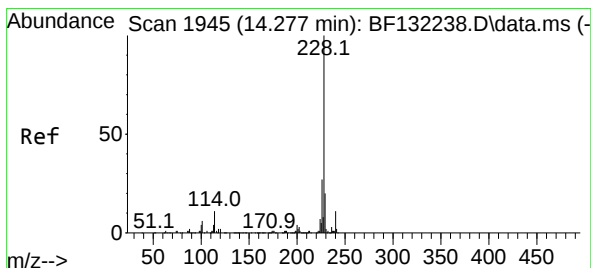
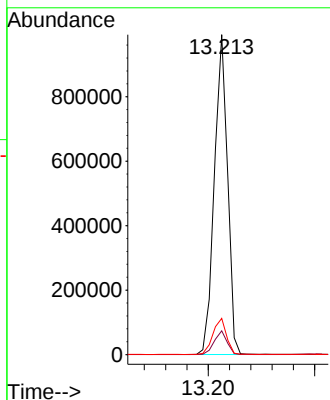
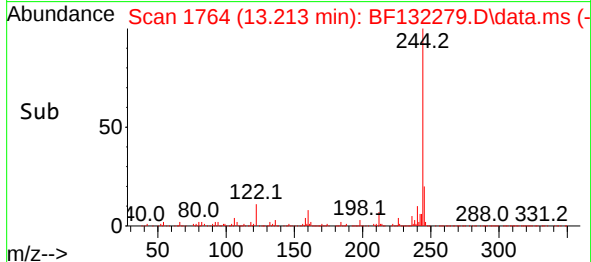
Instrument :
BNA_F
ClientSampleId :
JPP-11-012723



Tgt Ion:244 Resp: 85427
Ion Ratio Lower Upper
244 100
212 7.4 6.4 9.6
122 11.3 10.5 15.7

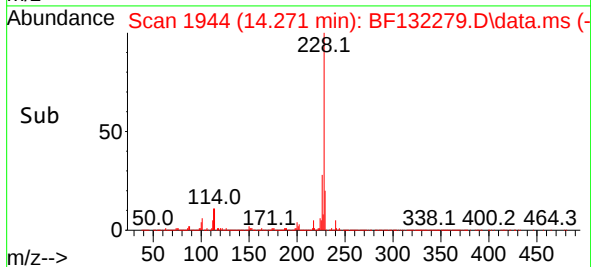
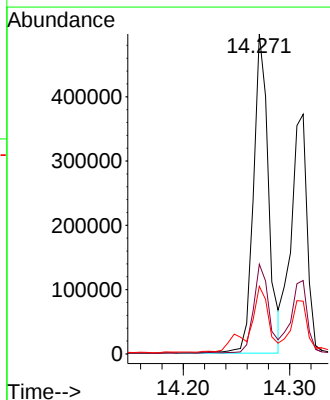
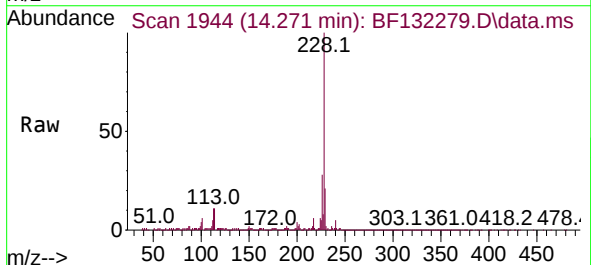
Manual Integrations
APPROVED

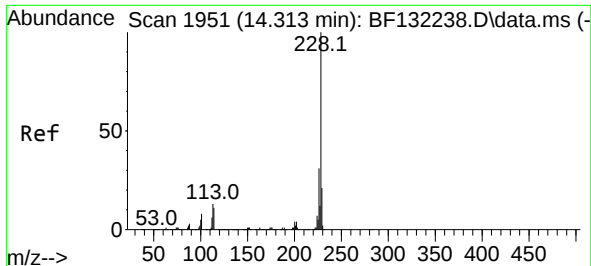
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#81
Benzo(a)anthracene
Concen: 30.366 ng
RT: 14.271 min Scan# 1944
Delta R.T. -0.006 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

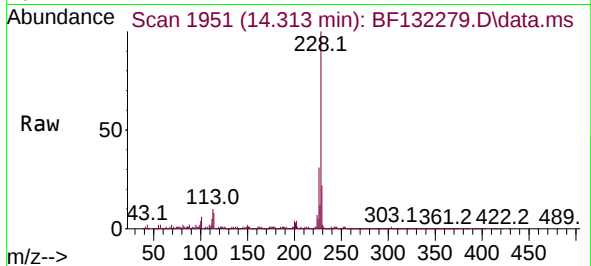
Tgt Ion:228 Resp: 487648
Ion Ratio Lower Upper
228 100
226 28.0 22.0 33.0
229 21.1 15.8 23.6





#83
Chrysene
Concen: 26.093 ng
RT: 14.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

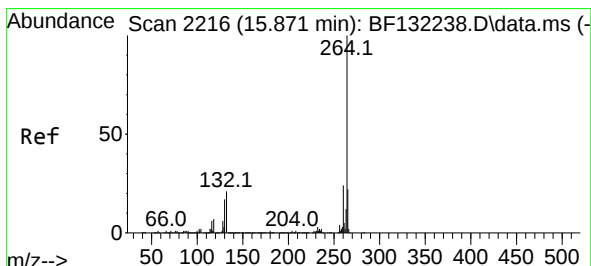
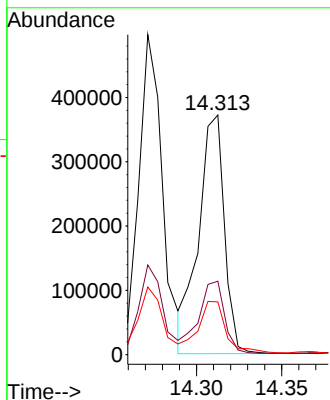
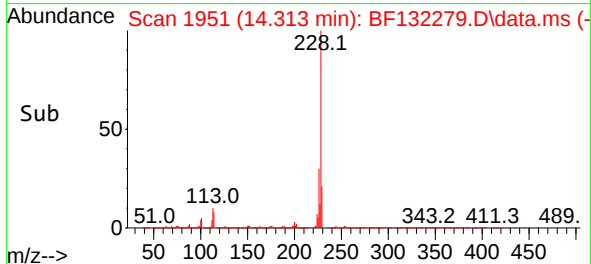
Instrument :
BNA_F
Client Sample Id :
JPP-11-012723



Tgt Ion:228 Resp: 392375
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 22.0 16.4 24.6

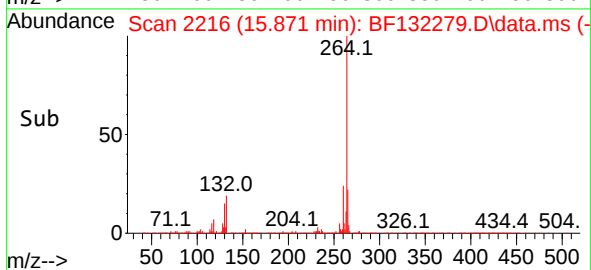
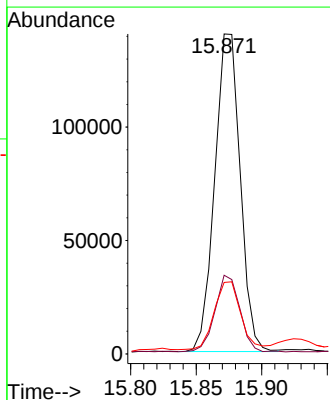
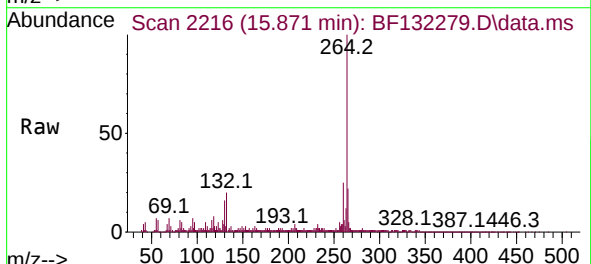
Manual Integrations
APPROVED

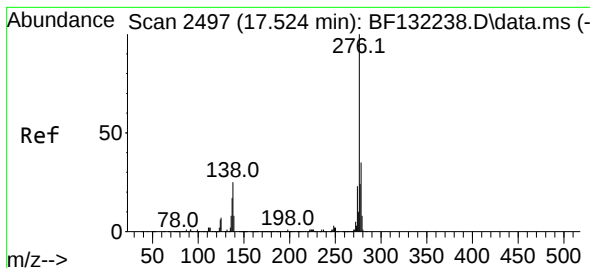
Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.871 min Scan# 2216
Delta R.T. -0.000 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

Tgt Ion:264 Resp: 189952
Ion Ratio Lower Upper
264 100
260 24.6 19.0 28.4
265 22.3 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 13.351 ng

RT: 17.524 min Scan# 2497

Delta R.T. -0.000 min

Lab File: BF132279.D

Acq: 02 Feb 2023 01:20

Instrument :

BNA_F

ClientSampleId :

JPP-11-012723

Tgt Ion:276 Resp: 168510

Ion Ratio Lower Upper

276 100

138 22.3 23.3 34.9

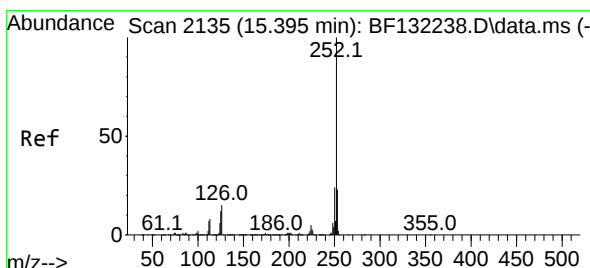
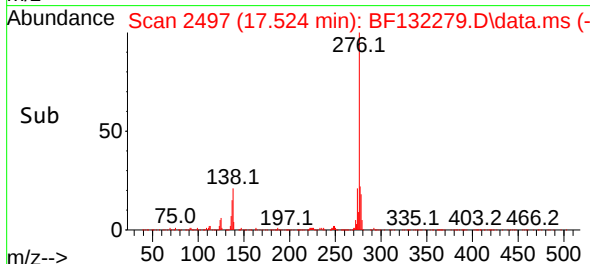
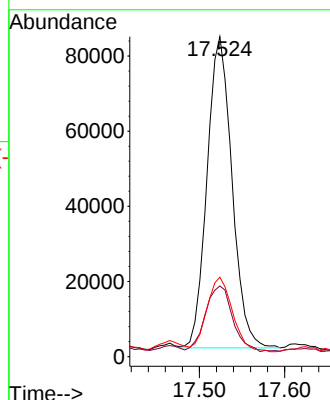
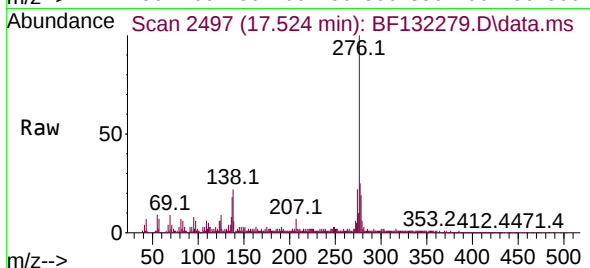
277 24.7 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#88

Benzo(b)fluoranthene

Concen: 33.346 ng m

RT: 15.395 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF132279.D

Acq: 02 Feb 2023 01:20

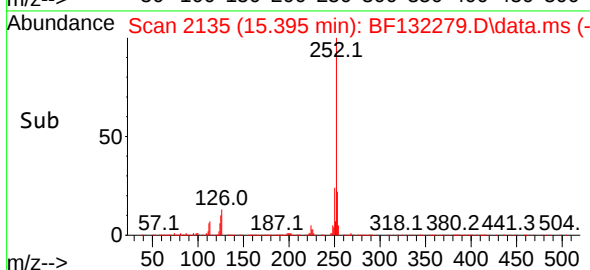
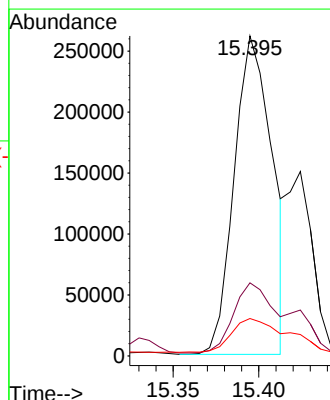
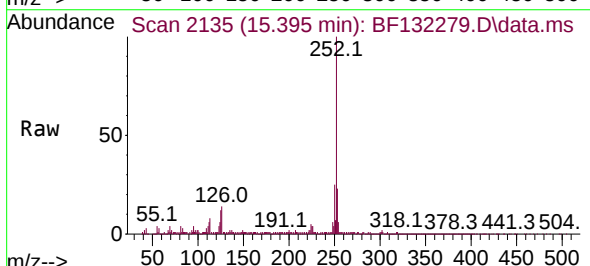
Tgt Ion:252 Resp: 402627

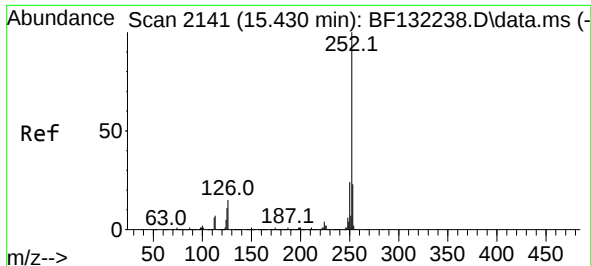
Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 11.7 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 13.095 ng m

RT: 15.424 min Scan# 2141

Delta R.T. -0.006 min

Lab File: BF132279.D

Acq: 02 Feb 2023 01:20

Instrument :

BNA_F

ClientSampleId :

JPP-11-012723

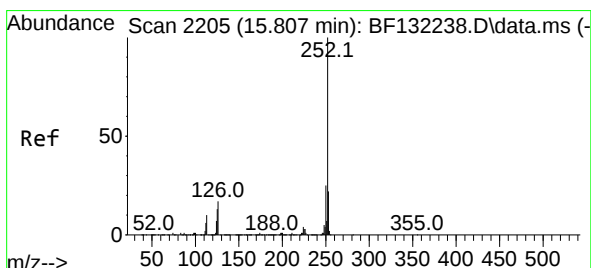
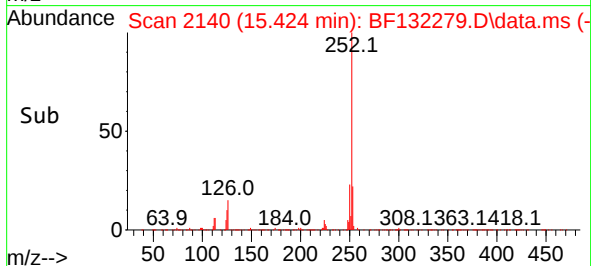
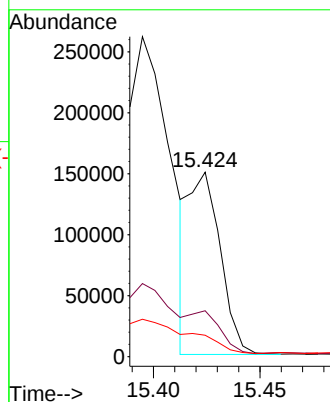
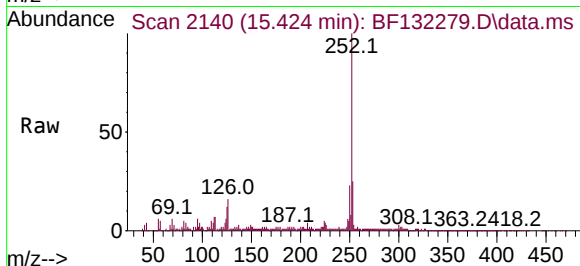
Tgt Ion:	252	Resp:	150923
Ion Ratio	Lower	Upper	
252	100		
253	24.8	18.2	27.2
125	11.6	9.0	13.6

Manual Integrations

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Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/02/2023



#90

Benzo(a)pyrene

Concen: 26.796 ng

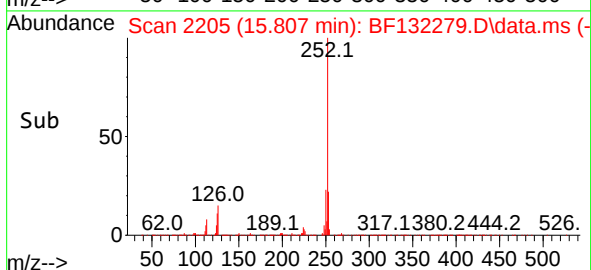
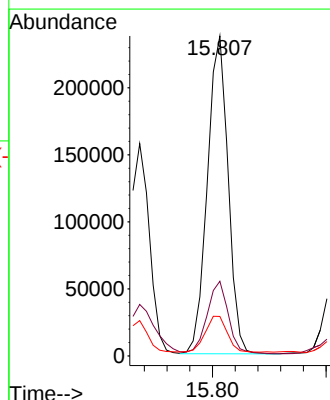
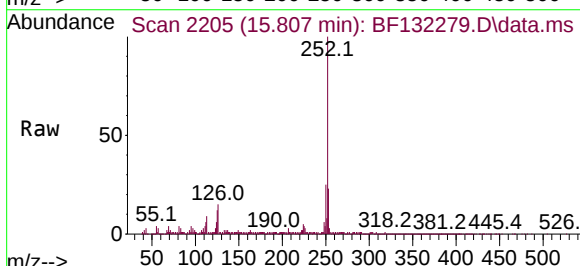
RT: 15.807 min Scan# 2205

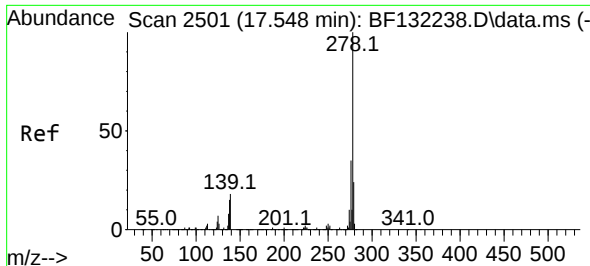
Delta R.T. -0.000 min

Lab File: BF132279.D

Acq: 02 Feb 2023 01:20

Tgt Ion:	252	Resp:	301277
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	12.3	10.2	15.4





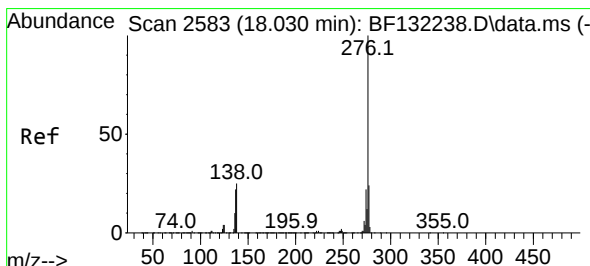
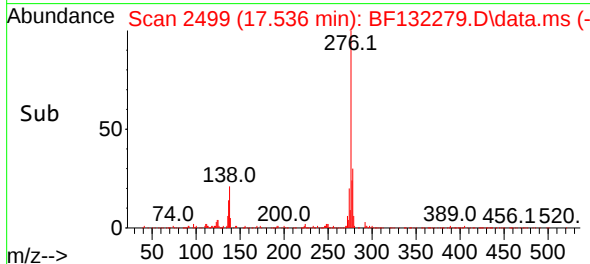
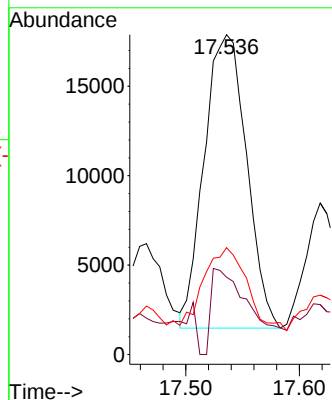
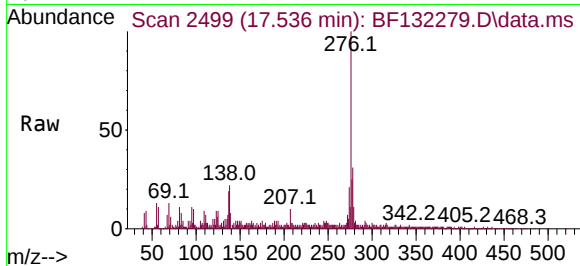
#91
Dibenzo(a,h)anthracene
Concen: 4.183 ng
RT: 17.536 min Scan# 2499
Delta R.T. -0.012 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

Instrument :
BNA_F
ClientSampleId :
JPP-11-012723

Tgt Ion:278 Resp: 42444
Ion Ratio Lower Upper
278 100
139 24.2 14.2 21.2
279 33.4 19.6 29.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 02/02/2023
Supervised By :Jagrut Upadhyay 02/02/2023



#92
Benzo(g,h,i)perylene
Concen: 15.674 ng
RT: 18.030 min Scan# 2583
Delta R.T. -0.000 min
Lab File: BF132279.D
Acq: 02 Feb 2023 01:20

Tgt Ion:276 Resp: 164317
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.2
138 23.8 20.3 30.5

