

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
 Data File : BF131076.D
 Acq On : 08 Nov 2022 20:03
 Operator : CG\JU
 Sample : N5479-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TUL-ROS-1104

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/09/2022
 Supervised By : Jagrut Upadhyay 11/09/2022

Quant Time: Nov 09 04:08:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 01:40:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	74604	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	242914	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	109879	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	190237	20.000	ng	0.00
76) Chrysene-d12	14.092	240	179394	20.000	ng	0.00
86) Perylene-d12	15.598	264	127069	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	448230	96.881	ng	0.00
7) Phenol-d6	6.528	99	535295	94.792	ng	0.00
23) Nitrobenzene-d5	7.463	82	343913	65.625	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	108269	89.498	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	529556	65.681	ng	0.00
79) Terphenyl-d14	13.033	244	569170	50.867	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.204	128	51343	3.867	ng	# 93
37) 2-Methylnaphthalene	8.898	142	19027	2.253	ng	96
38) 1-Methylnaphthalene	8.998	142	26400	3.273	ng	94
71) Phenanthrene	11.463	178	64551	6.024	ng	99
75) Fluoranthene	12.657	202	98009	8.617	ng	97
78) Pyrene	12.886	202	98127	6.006	ng	98
81) Benzo(a)anthracene	14.080	228	48706	3.739	ng	# 88
83) Chrysene	14.116	228	44109	3.566	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.063	149	45146	6.122	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.121	276	18115	4.904	ng	97
88) Benzo(b)fluoranthene	15.151	252	45134m	4.888	ng	
90) Benzo(a)pyrene	15.533	252	29764	4.054	ng	# 74
92) Benzo(g,h,i)perylene	17.586	276	19971	5.476	ng	# 82

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

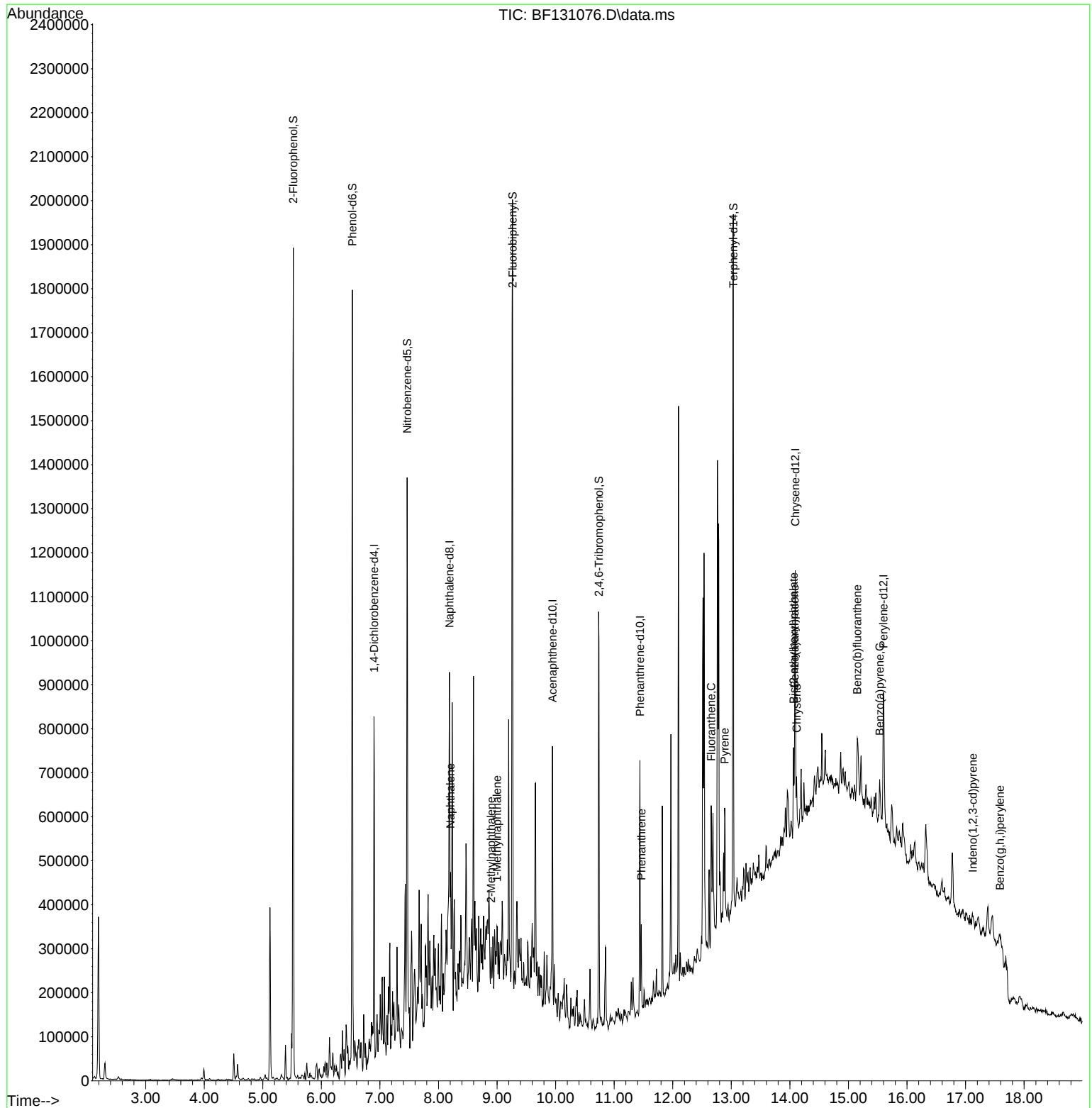
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110822\
Data File : BF131076.D
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ALS Vial : 21 Sample Multiplier: 1

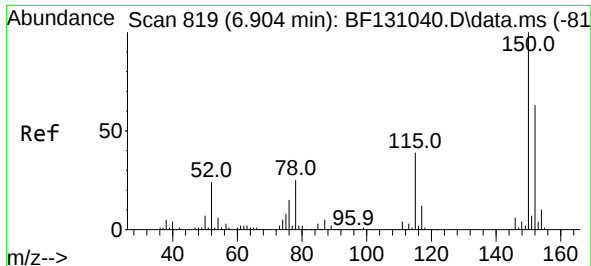
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Quant Time: Nov 09 04:08:28 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 01:40:43 2022
Response via : Initial Calibration

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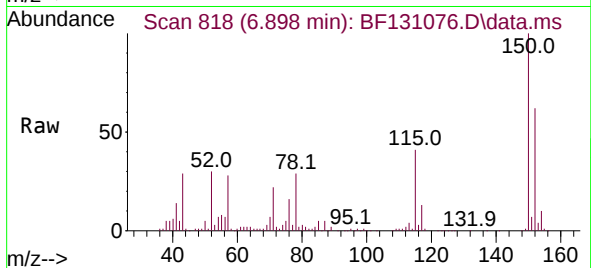
Reviewed By : Christian Giraldo 11/09/2022
Supervised By : Jagrut Upadhyay 11/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

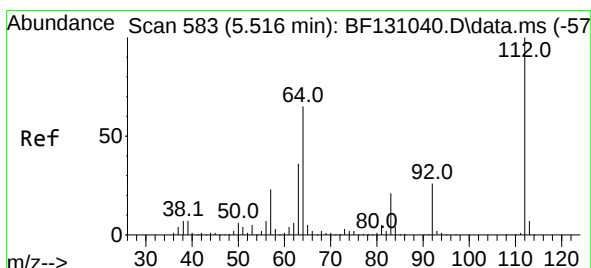
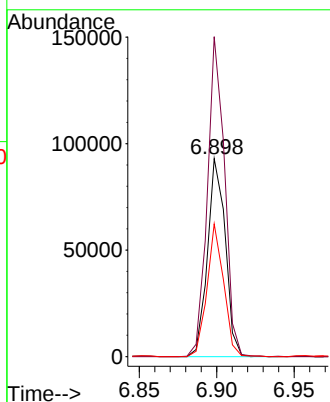
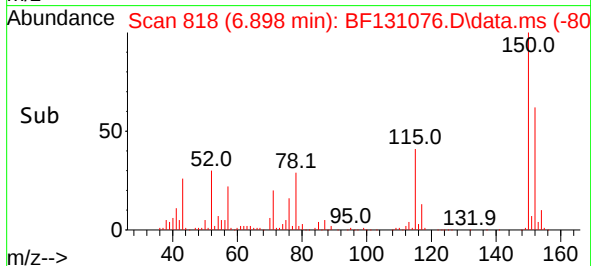
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



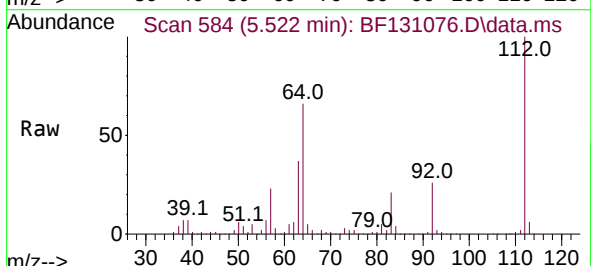
Tgt Ion:152 Resp: 74604
Ion Ratio Lower Upper
152 100
150 161.6 126.6 189.8
115 67.1 49.1 73.7

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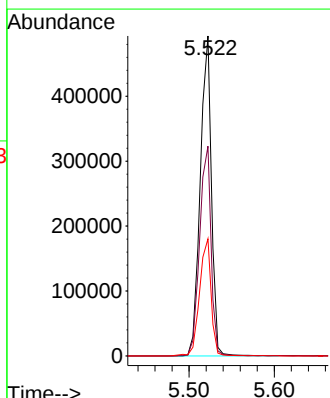
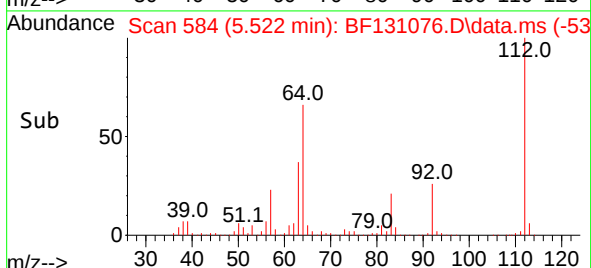
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

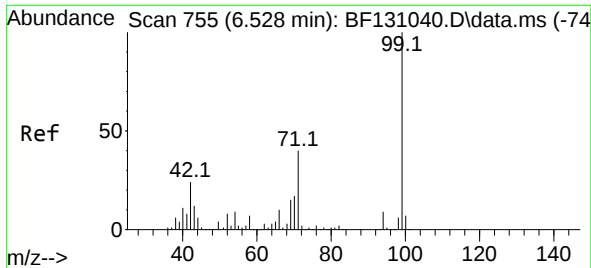


#5
2-Fluorophenol
Concen: 96.881 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03



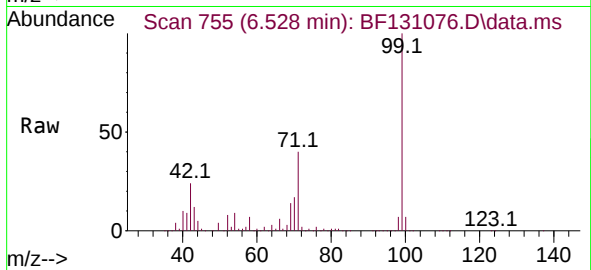
Tgt Ion:112 Resp: 448230
Ion Ratio Lower Upper
112 100
64 65.5 52.2 78.4
63 36.6 29.0 43.4





#7
Phenol-d6
Concen: 94.792 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

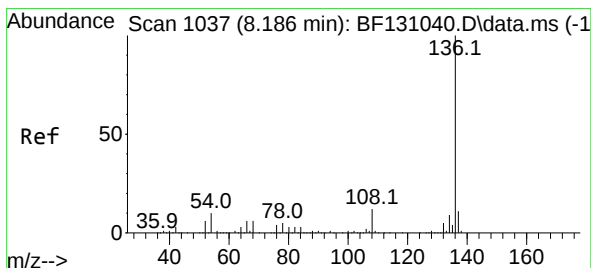
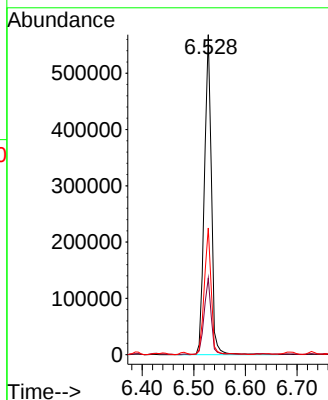
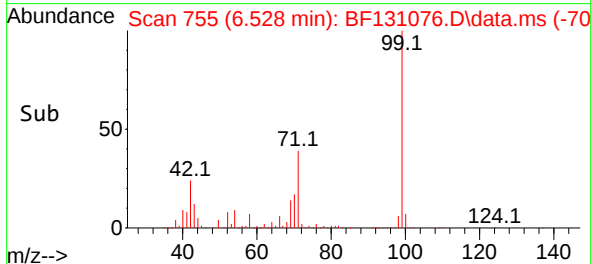
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



Tgt Ion: 99 Resp: 535295
Ion Ratio Lower Upper
99 100
42 23.9 19.4 29.0
71 39.6 31.8 47.8

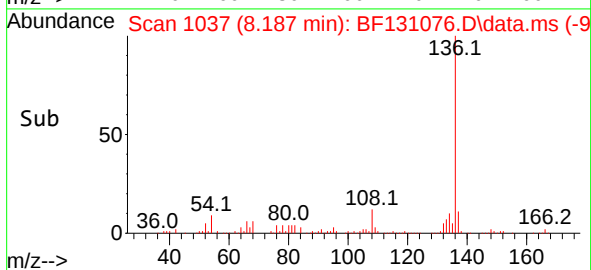
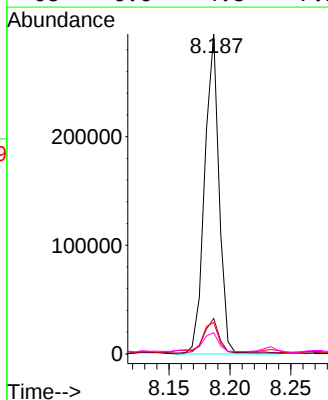
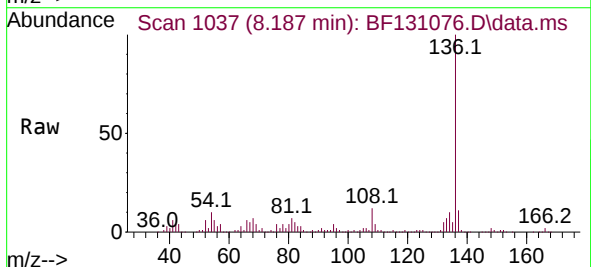
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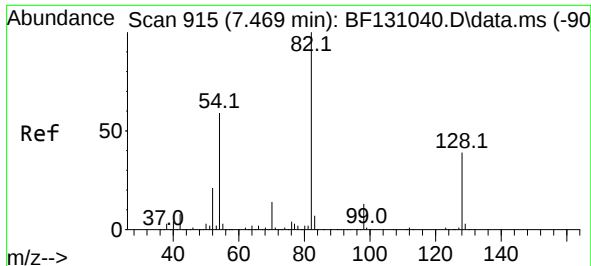
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

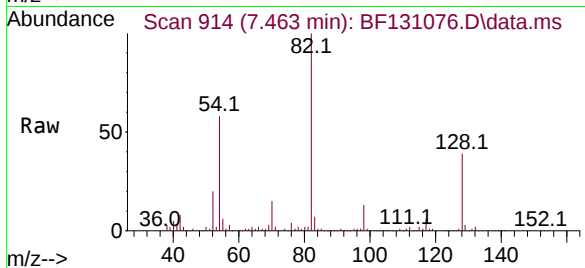
Tgt Ion:136 Resp: 242914
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.8 8.2 12.2
68 6.6 4.8 7.2





#23
Nitrobenzene-d5
Concen: 65.625 ng
RT: 7.463 min Scan# 915
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

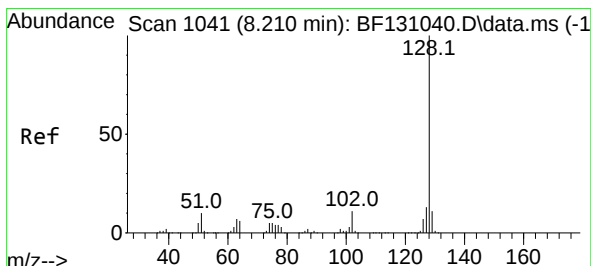
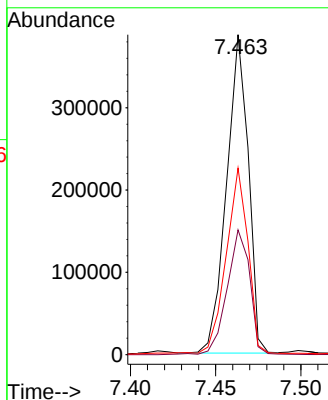
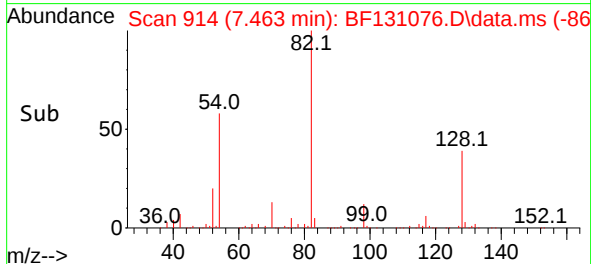
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



Tgt Ion: 82 Resp: 343913
Ion Ratio Lower Upper
82 100
128 39.0 31.3 46.9
54 58.3 47.2 70.8

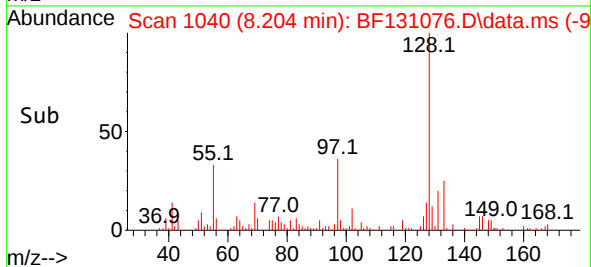
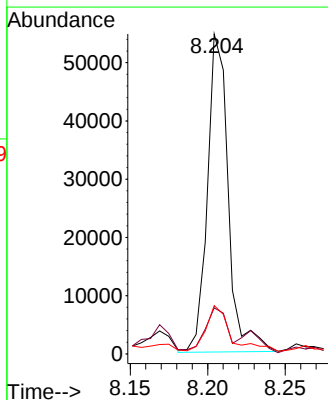
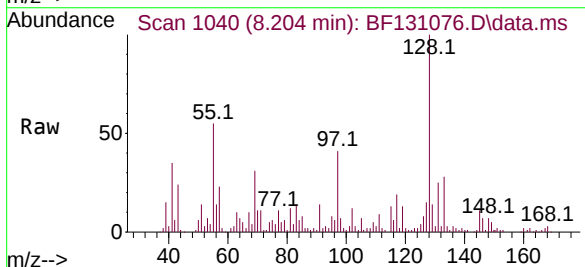
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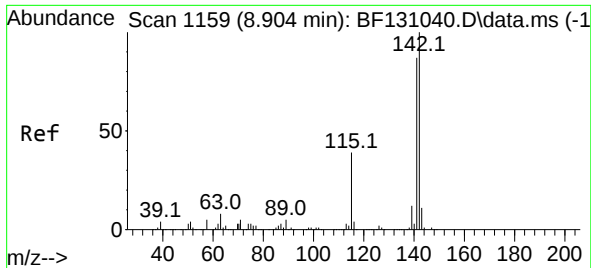
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#31
Naphthalene
Concen: 3.867 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Tgt Ion:128 Resp: 51343
Ion Ratio Lower Upper
128 100
129 14.4 9.0 13.4#
127 15.1 10.5 15.7





#37

2-Methylnaphthalene

Concen: 2.253 ng

RT: 8.898 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF131076.D

Acq: 08 Nov 2022 20:03

Instrument :

BNA_F

ClientSampleId :

TUL-ROS-1104

Tgt Ion:142 Resp: 1902

Ion Ratio Lower Upper

142 100

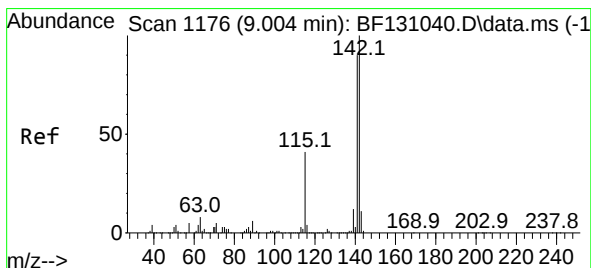
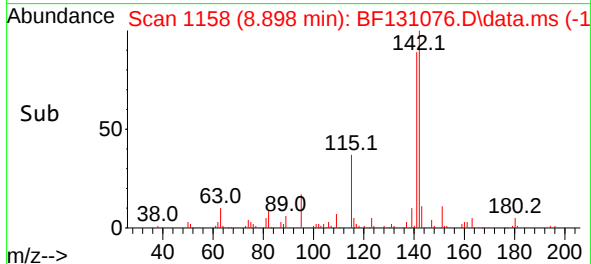
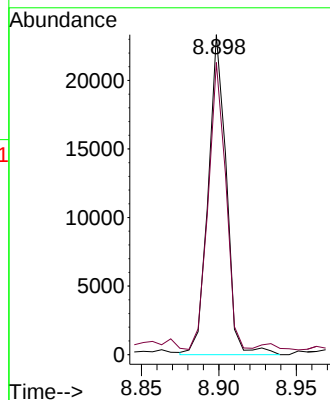
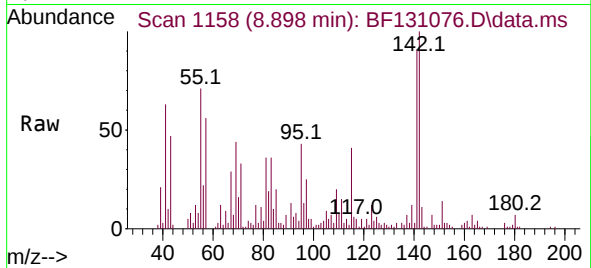
141 91.3 69.8 104.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022



#38

1-Methylnaphthalene

Concen: 3.273 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF131076.D

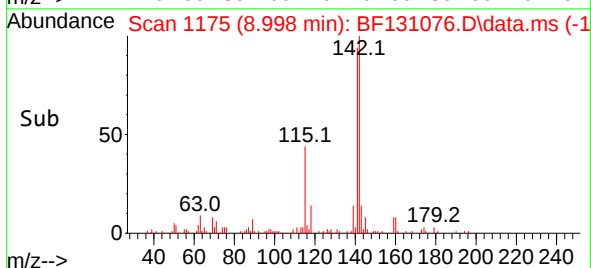
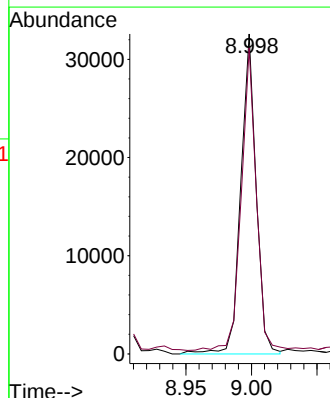
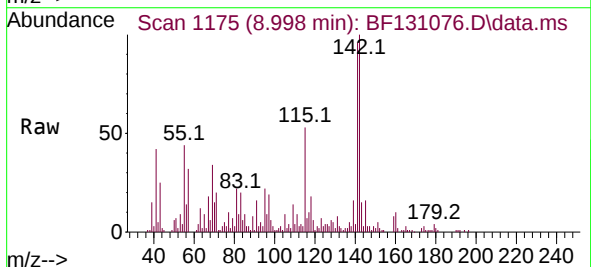
Acq: 08 Nov 2022 20:03

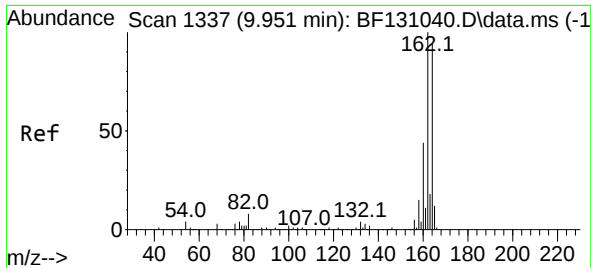
Tgt Ion:142 Resp: 26400

Ion Ratio Lower Upper

142 100

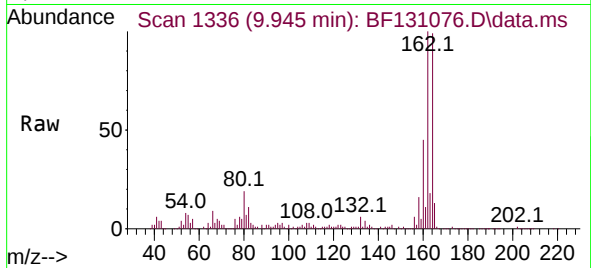
141 95.6 72.2 108.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

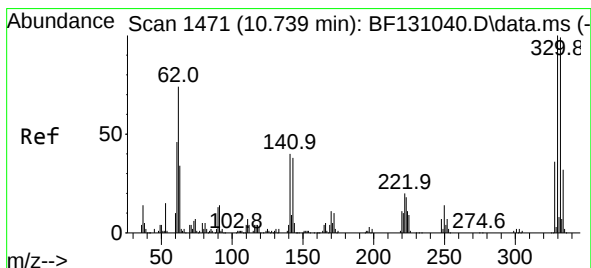
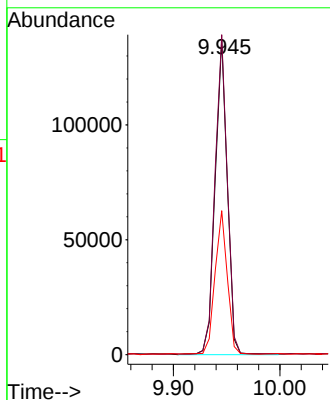
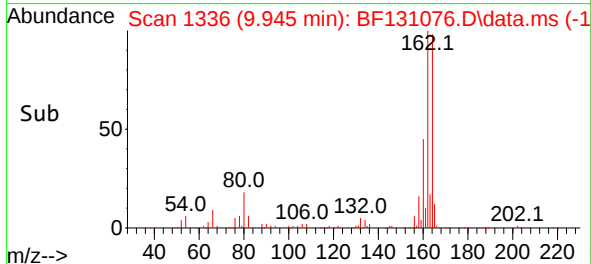
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



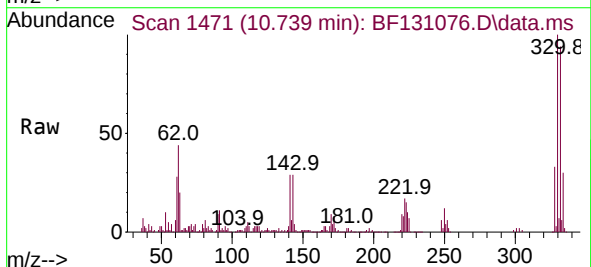
Tgt Ion:164 Resp: 109879
Ion Ratio Lower Upper
164 100
162 101.4 85.0 127.6
160 45.6 37.0 55.6

Manual Integrations
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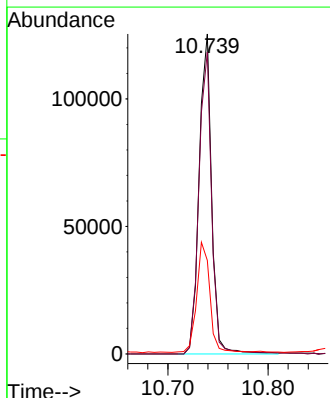
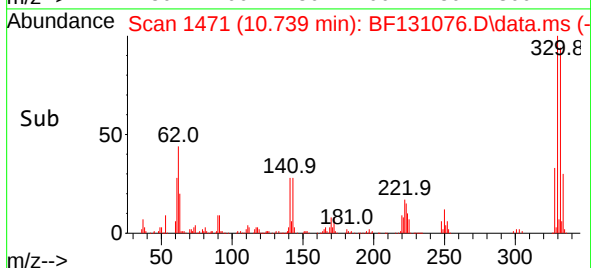
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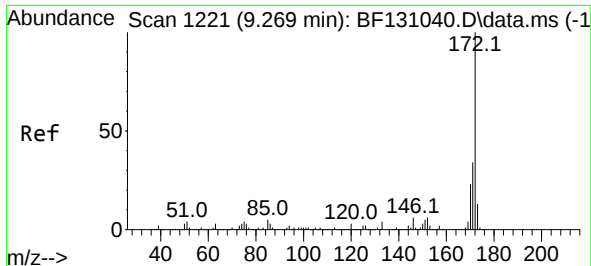


#42
2,4,6-Tribromophenol
Concen: 89.498 ng
RT: 10.739 min Scan# 1471
Delta R.T. 0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03



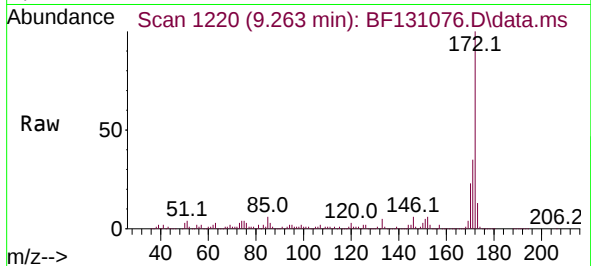
Tgt Ion:330 Resp: 108269
Ion Ratio Lower Upper
330 100
332 96.6 77.0 115.4
141 35.9 28.3 42.5





#45
2-Fluorobiphenyl
Concen: 65.681 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

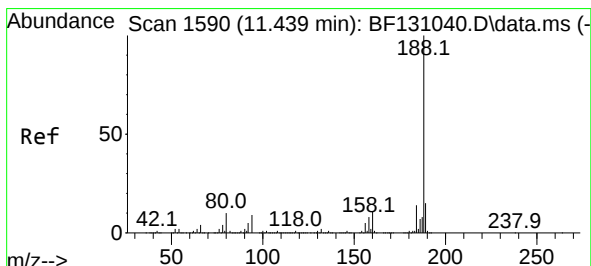
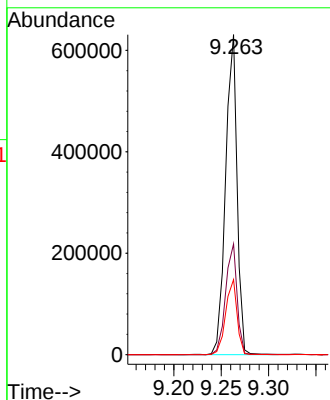
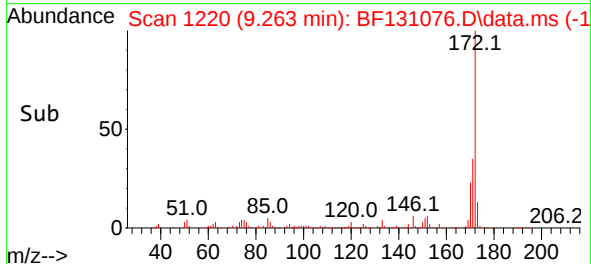
Instrument :
BNA_F
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TUL-ROS-1104



Tgt Ion:172 Resp: 529556
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 23.5 18.4 27.6

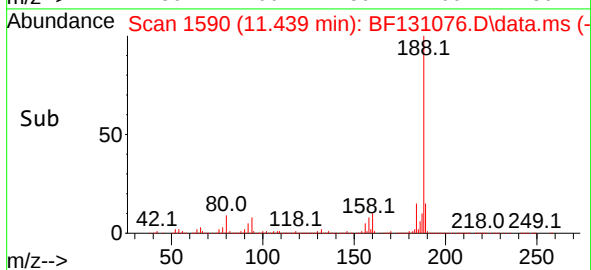
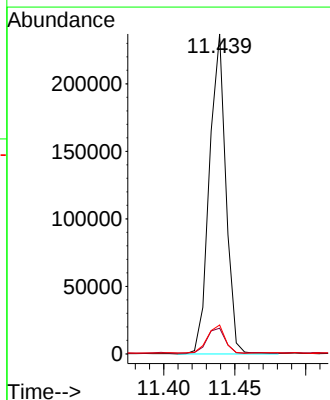
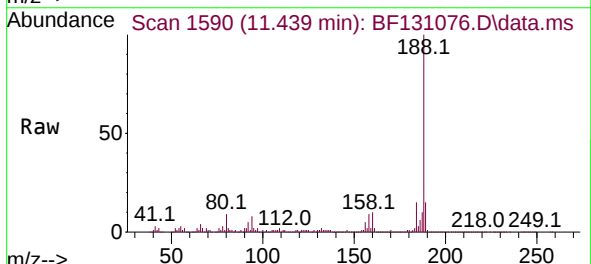
Manual Integrations
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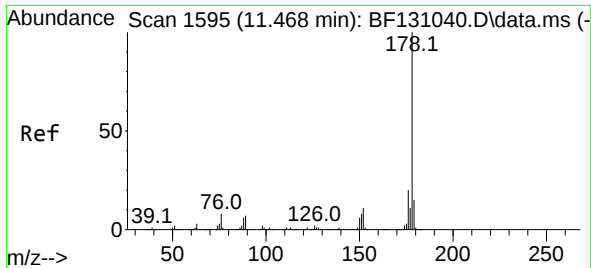
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1590
Delta R.T. 0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

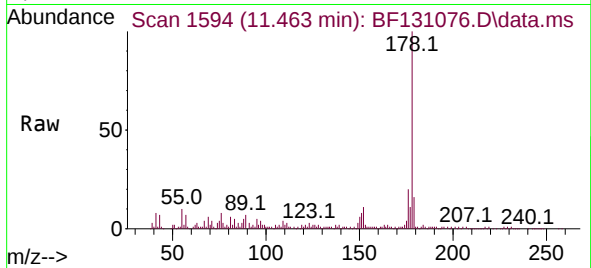
Tgt Ion:188 Resp: 190237
Ion Ratio Lower Upper
188 100
94 8.0 7.0 10.6
80 9.0 8.1 12.1





#71
Phenanthrene
Concen: 6.024 ng
RT: 11.463 min Scan# 1595
Delta R.T. -0.005 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

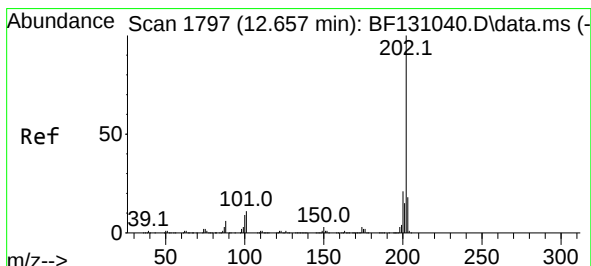
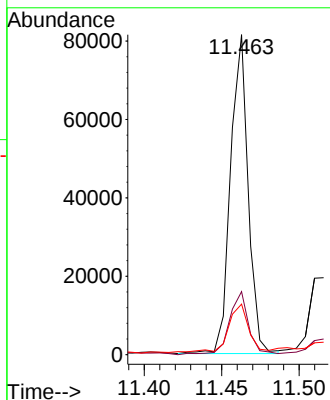
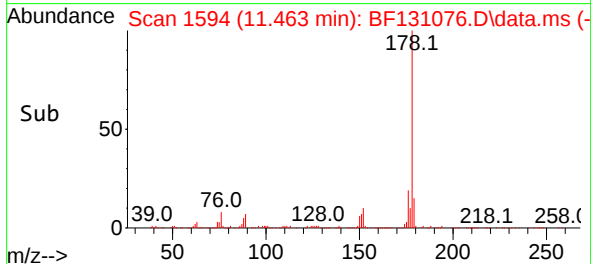
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



Tgt Ion:178 Resp: 6455
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.8 12.3 18.5

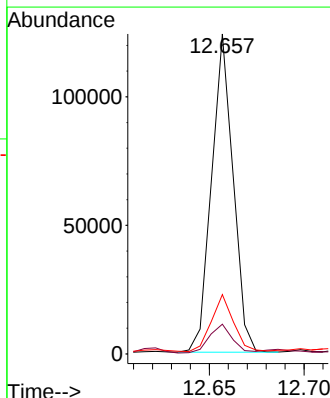
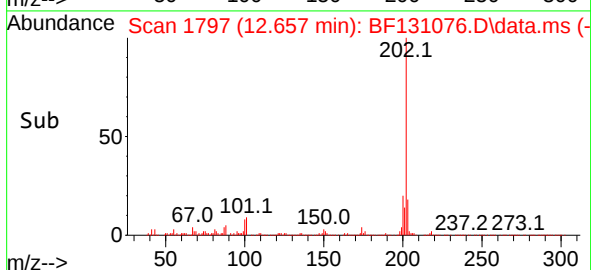
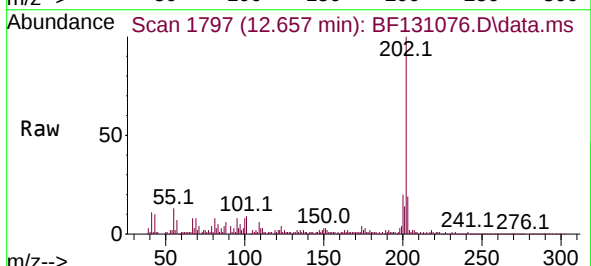
Manual Integrations
APPROVED

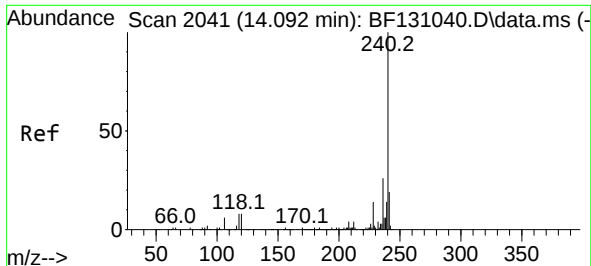
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#75
Fluoranthene
Concen: 8.617 ng
RT: 12.657 min Scan# 1797
Delta R.T. -0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

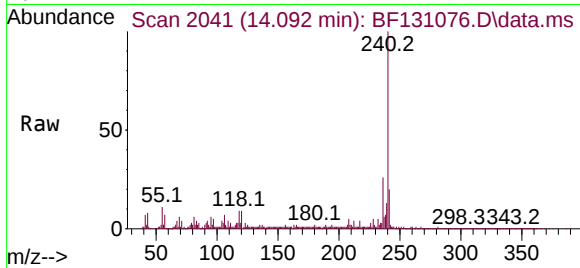
Tgt Ion:202 Resp: 98009
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.9
203 18.5 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. 0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

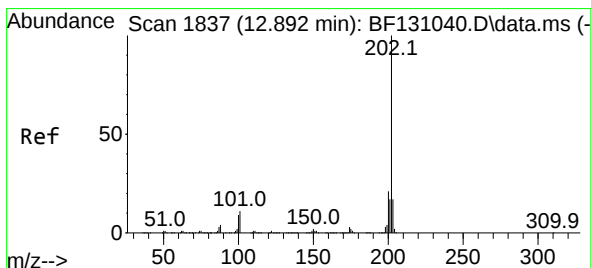
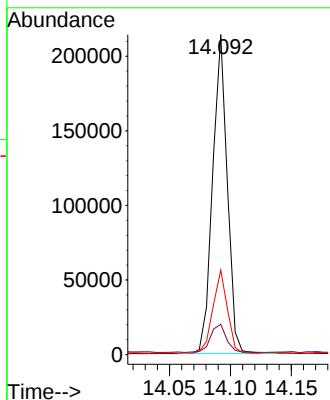
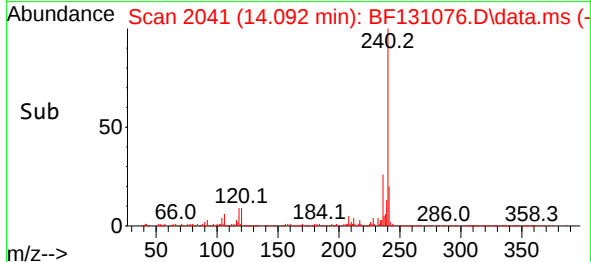
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



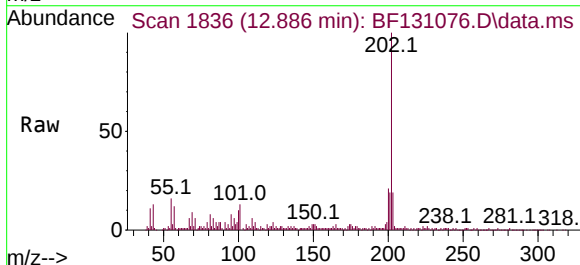
Tgt Ion:240 Resp: 179394
Ion Ratio Lower Upper
240 100
120 9.5 6.7 10.1
236 26.4 20.8 31.2

Manual Integrations
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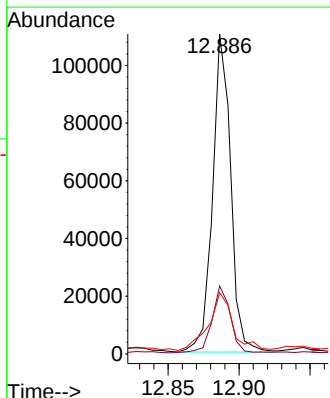
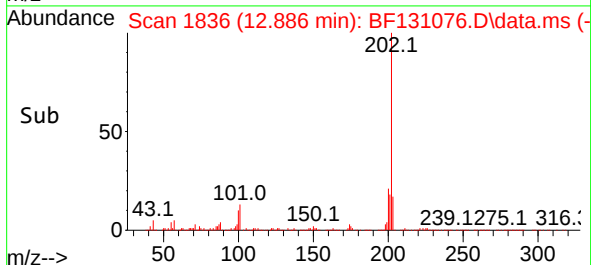
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

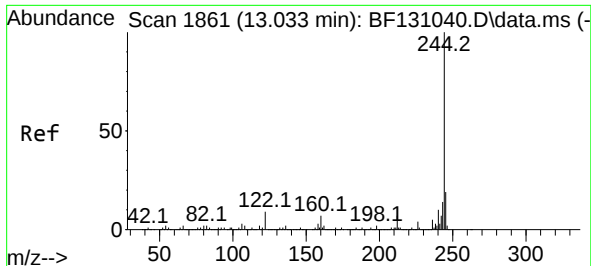


#78
Pyrene
Concen: 6.006 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03



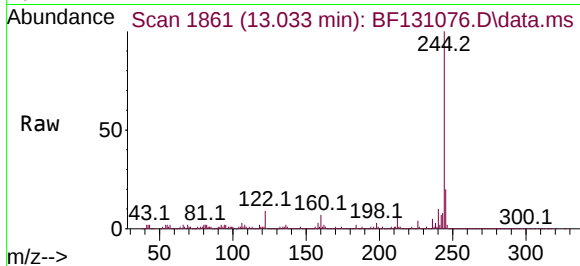
Tgt Ion:202 Resp: 98127
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 19.1 13.8 20.8





#79
 Terphenyl-d14
 Concen: 50.867 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: BF131076.D
 Acq: 08 Nov 2022 20:03

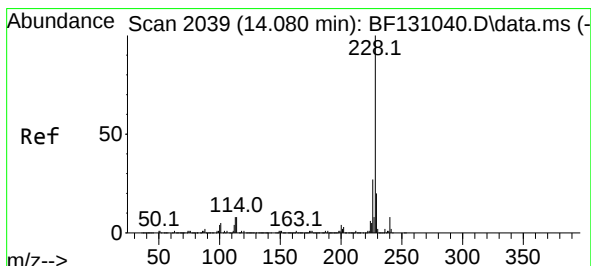
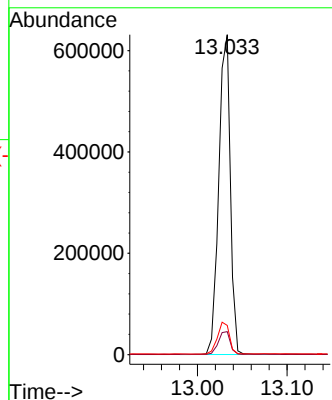
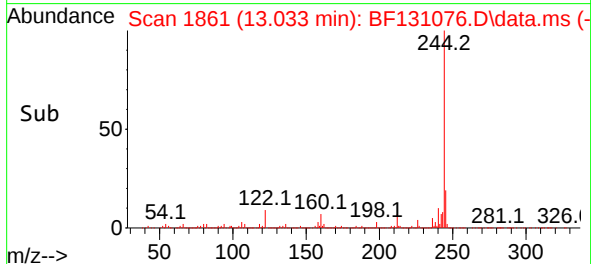
Instrument :
 BNA_F
 ClientSampleId :
 TUL-ROS-1104



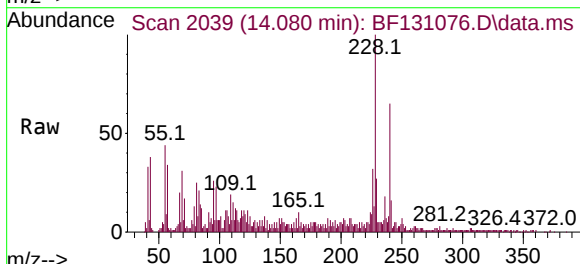
Tgt Ion:244 Resp: 569176
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.1 7.0 10.4

Manual Integrations
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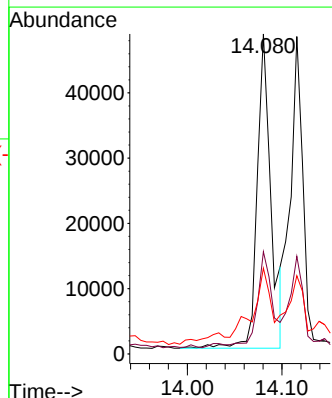
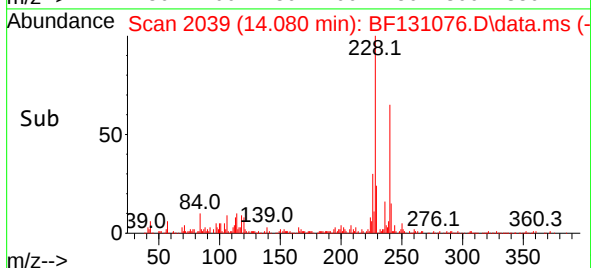
Reviewed By :Christian Giraldo 11/09/2022
 Supervised By :Jagrut Upadhyay 11/09/2022

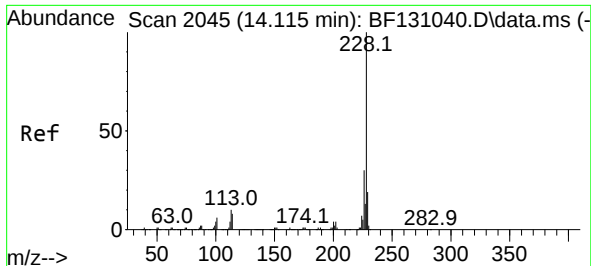


#81
 Benzo(a)anthracene
 Concen: 3.739 ng
 RT: 14.080 min Scan# 2039
 Delta R.T. 0.000 min
 Lab File: BF131076.D
 Acq: 08 Nov 2022 20:03



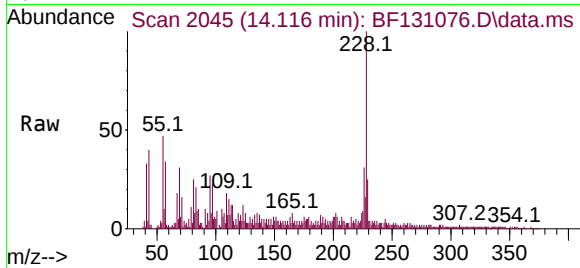
Tgt Ion:228 Resp: 48706
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.8 32.8
 229 26.8 15.8 23.6#





#83
Chrysene
Concen: 3.566 ng
RT: 14.116 min Scan# 2045
Delta R.T. 0.001 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

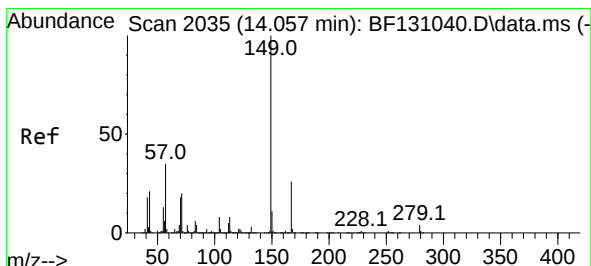
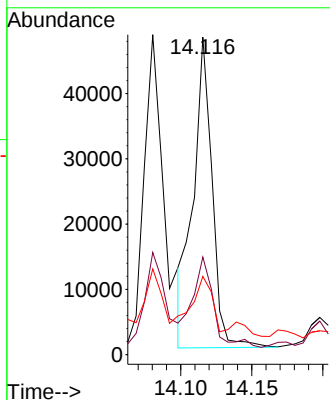
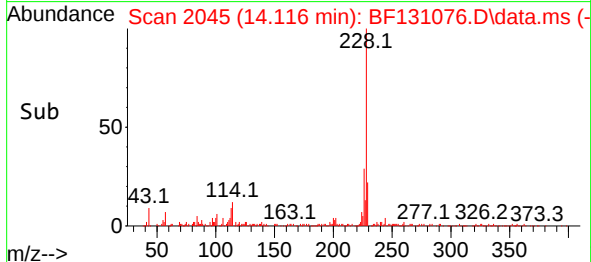
Instrument :
BNA_F
Client Sample Id :
TUL-ROS-1104



Tgt Ion: 228 Resp: 44109
Ion Ratio Lower Upper
228 100
226 30.8 23.7 35.5
229 24.7 15.4 23.0

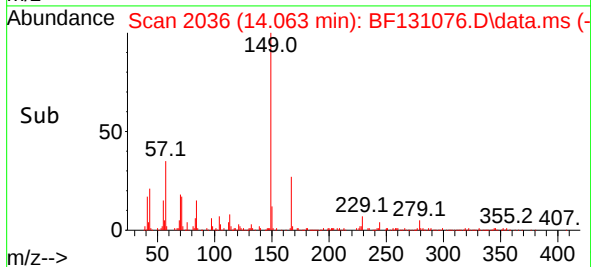
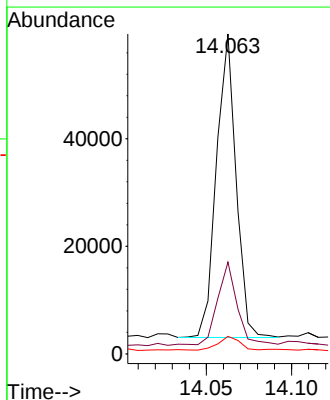
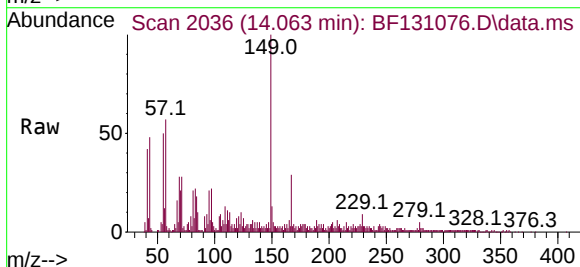
Manual Integrations
APPROVED

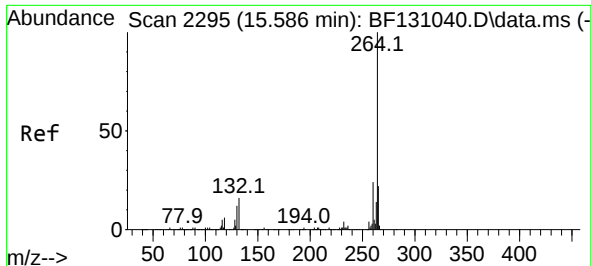
Reviewed By : Christian Giraldo 11/09/2022
Supervised By : Jagrut Upadhyay 11/09/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 6.122 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

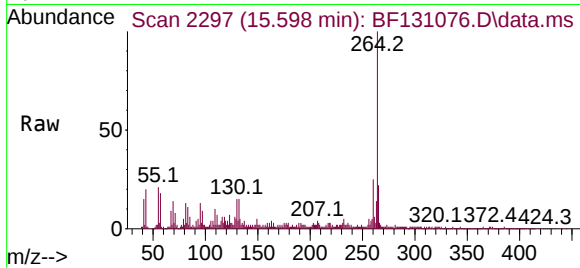
Tgt Ion: 149 Resp: 45146
Ion Ratio Lower Upper
149 100
167 28.7 20.8 31.2
279 5.5 3.0 4.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.598 min Scan# 2295
Delta R.T. 0.012 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

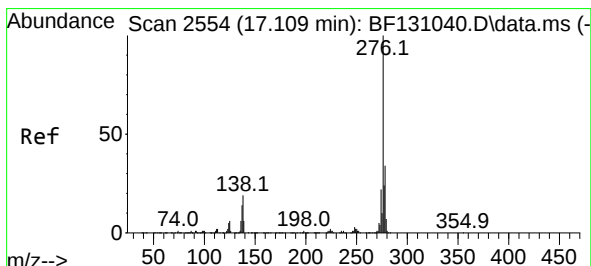
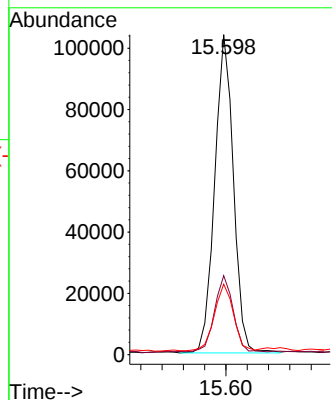
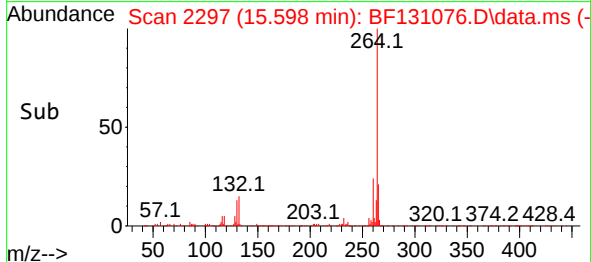
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104



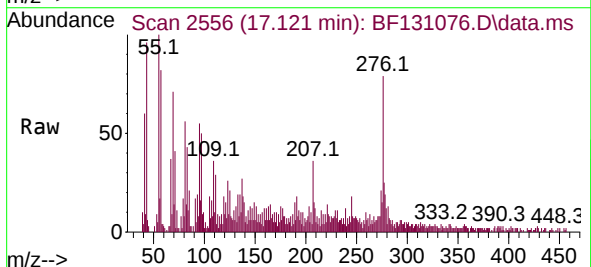
Tgt Ion:264 Resp: 127069
Ion Ratio Lower Upper
264 100
260 24.7 18.8 28.2
265 22.0 17.3 25.9

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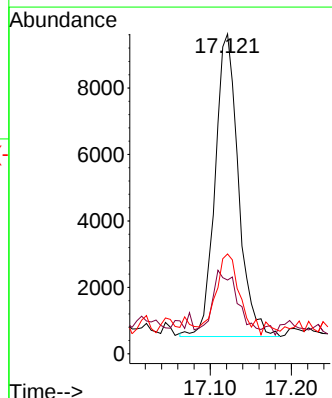
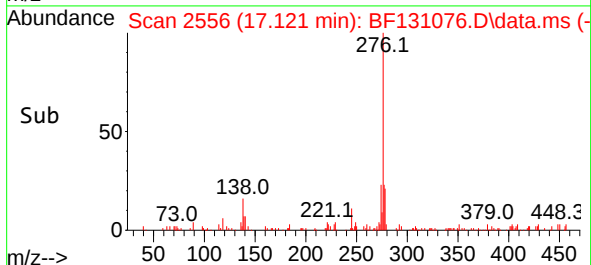
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022

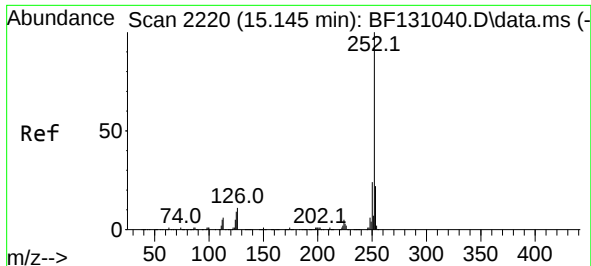


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.904 ng
RT: 17.121 min Scan# 2556
Delta R.T. 0.012 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03



Tgt Ion:276 Resp: 18115
Ion Ratio Lower Upper
276 100
138 20.9 17.3 25.9
277 27.2 20.2 30.4





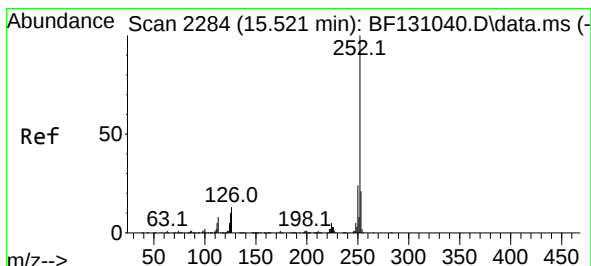
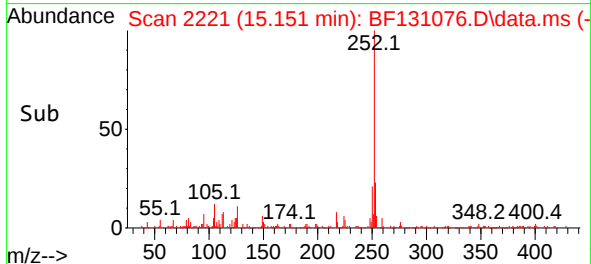
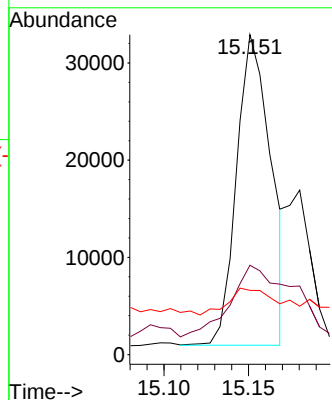
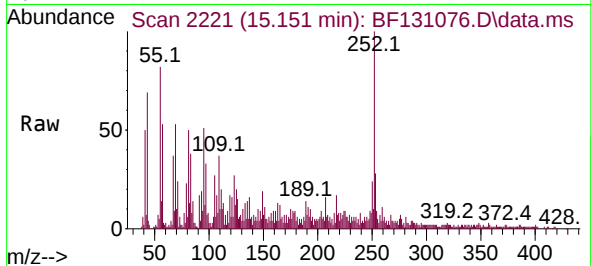
#88
Benzo(b)fluoranthene
Concen: 4.888 ng m
RT: 15.151 min Scan# 221
Delta R.T. 0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Tgt Ion:252 Resp: 45134
Ion Ratio Lower Upper
252 100
253 27.9 17.9 26.9#
125 20.1 7.1 10.7#

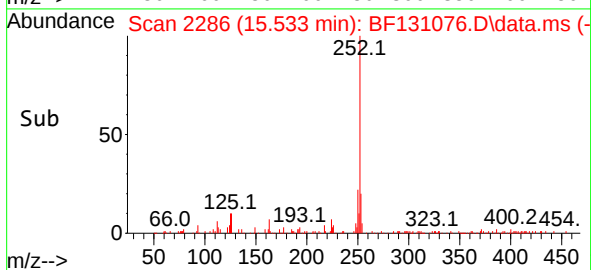
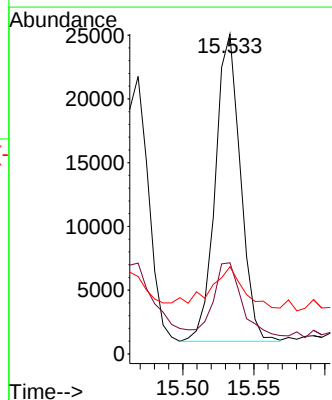
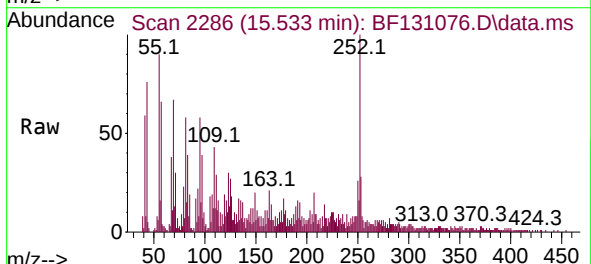
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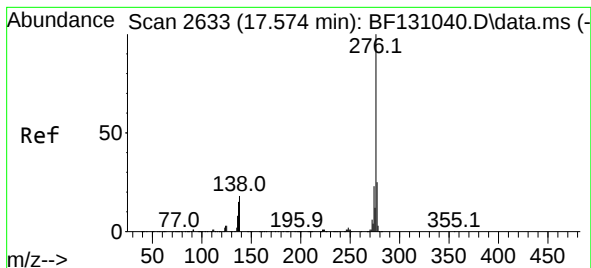
Reviewed By :Christian Giraldo 11/09/2022
Supervised By :Jagrut Upadhyay 11/09/2022



#90
Benzo(a)pyrene
Concen: 4.054 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.012 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Tgt Ion:252 Resp: 29764
Ion Ratio Lower Upper
252 100
253 28.5 16.9 25.3#
125 27.2 7.9 11.9#





#92

Benzo(g,h,i)perylene

Concen: 5.476 ng

RT: 17.586 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF131076.D

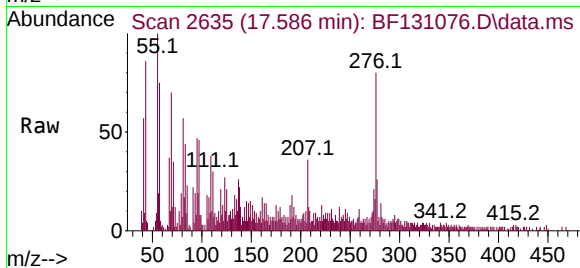
Acq: 08 Nov 2022 20:03

Instrument :

BNA_F

ClientSampleId :

TUL-ROS-1104



Tgt Ion:	276	Resp:	1997
Ion Ratio	Lower	Upper	
276	100		
277	32.9	20.0	30.0
138	28.1	14.8	22.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/09/2022

Supervised By :Jagrut Upadhyay 11/09/2022

