

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

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

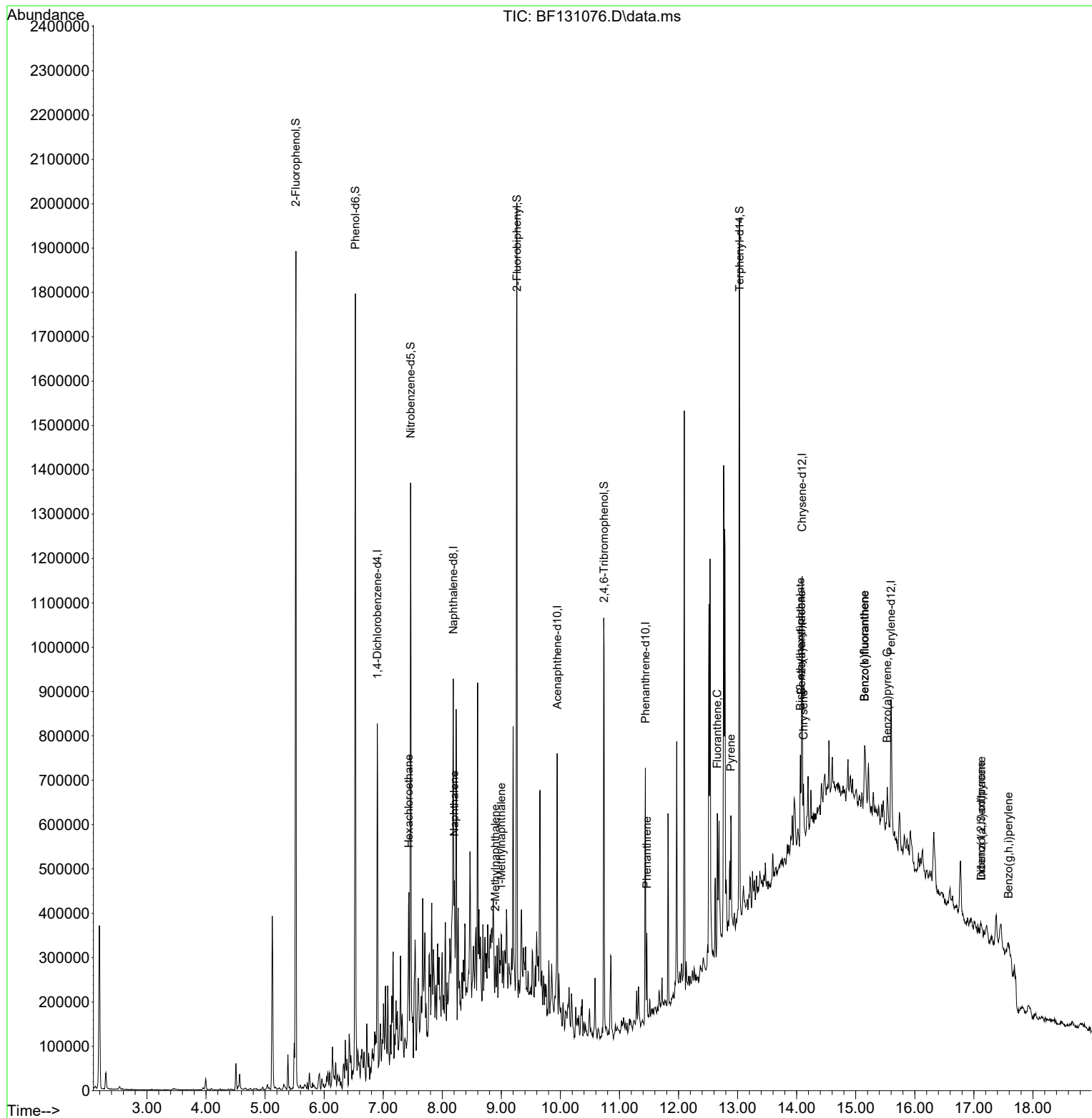
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	74604	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	242914	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	109879	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	190237	20.000	ng	0.00
76) Chrysene-d12	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						
18) Hexachloroethane	7.434	117	15225	6.813	ng	# 1
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
55) Dibenzofuran	9.981	168	2083	Below Cal		95
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	60901	6.595	ng	# 83
89) Benzo(k)fluoranthene	15.151	252	60901	6.769	ng	# 81
90) Benzo(a)pyrene	15.533	252	29764	4.054	ng	# 74
91) Dibenzo(a,h)anthracene	17.127	278	5148	3.855	ng	# 10
92) Benzo(g,h,i)perylene	17.586	276	19971	5.476	ng	# 82

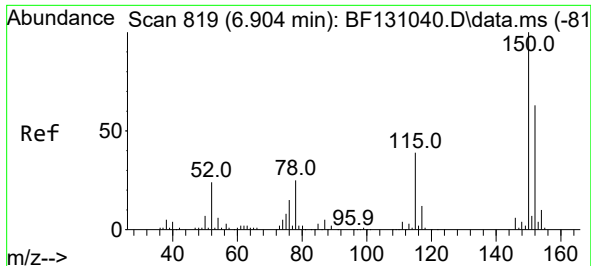
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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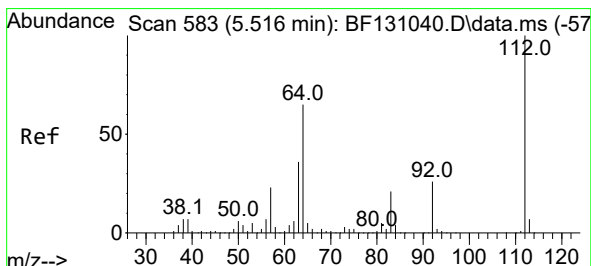
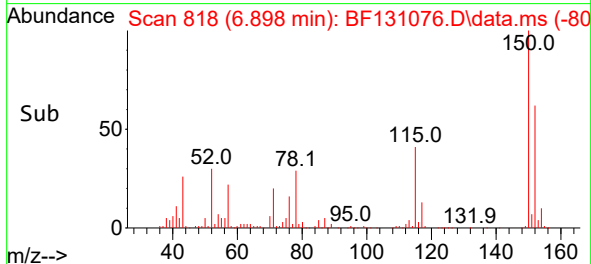
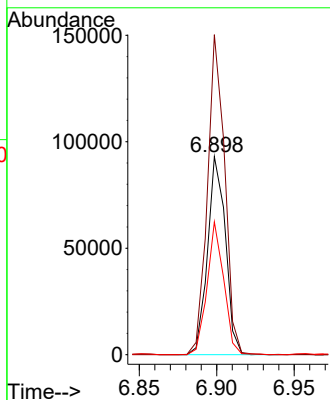
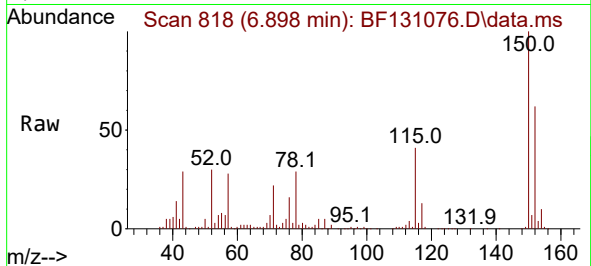




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

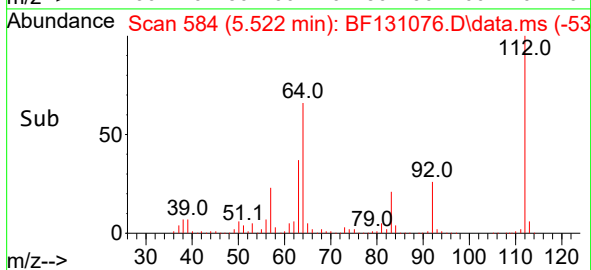
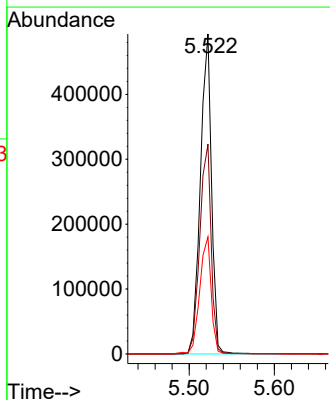
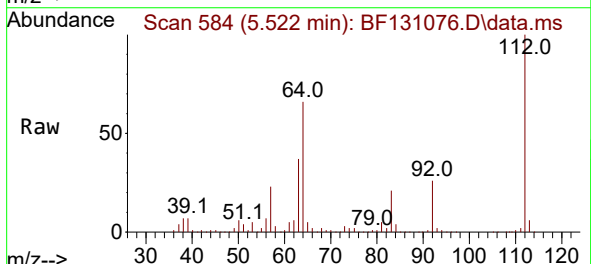
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

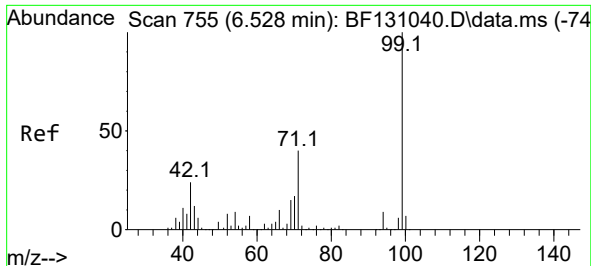
Tgt Ion:152 Resp: 74604
Ion Ratio Lower Upper
152 100
150 161.6 126.6 189.8
115 67.1 49.1 73.7



#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

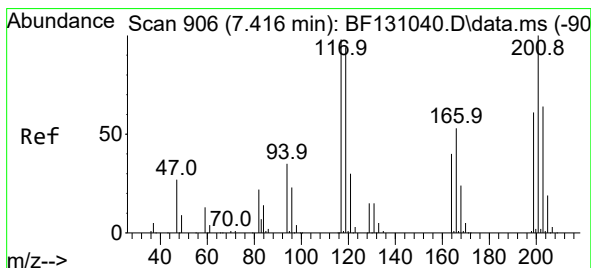
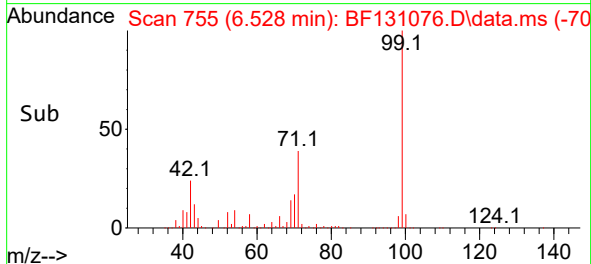
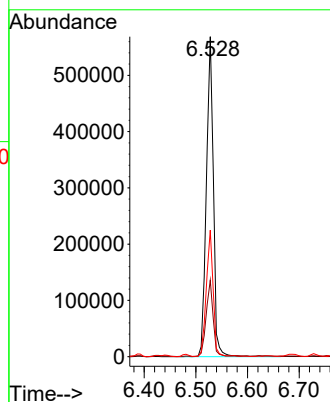
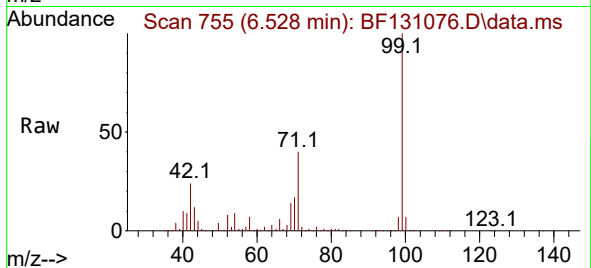




#7
Phenol-d6
Concen: 94.792 ng
RT: 6.528 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

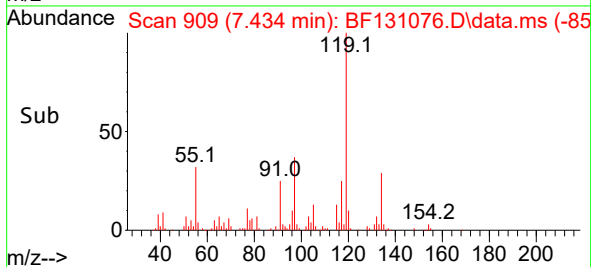
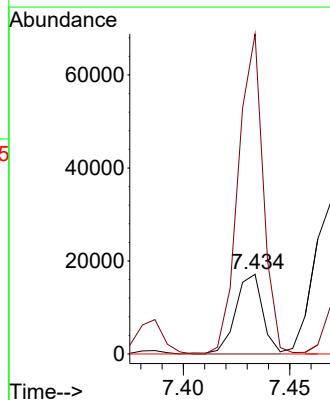
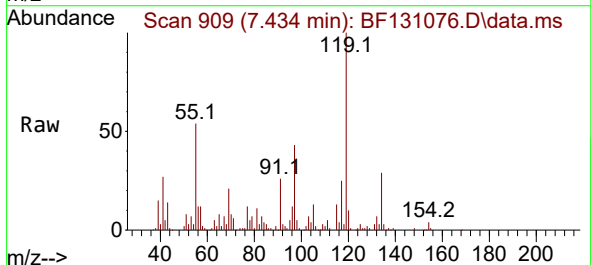
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

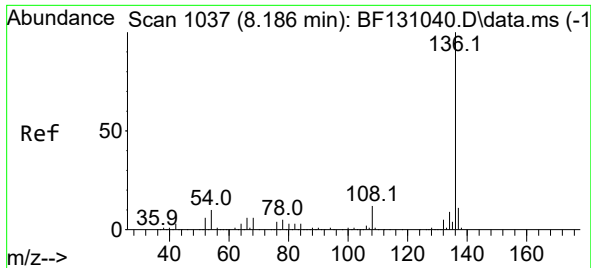
Tgt Ion: 99 Resp: 535295
Ion Ratio Lower Upper
99 100
42 23.9 19.4 29.0
71 39.6 31.8 47.8



#18
Hexachloroethane
Concen: 6.813 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.018 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Tgt Ion: 117 Resp: 15225
Ion Ratio Lower Upper
117 100
119 401.3 76.9 115.3#
201 0.0 81.8 122.6#



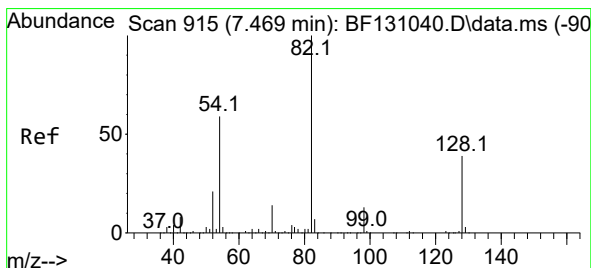
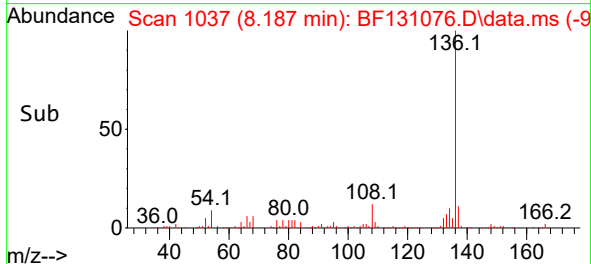
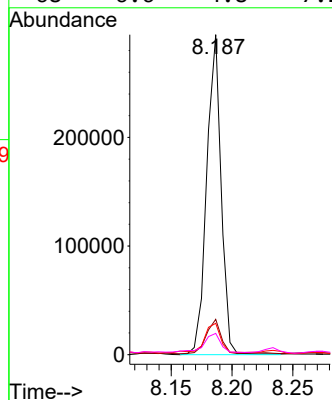
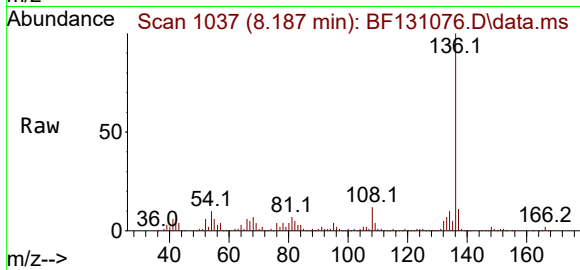


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

Tgt Ion:136 Resp: 242914

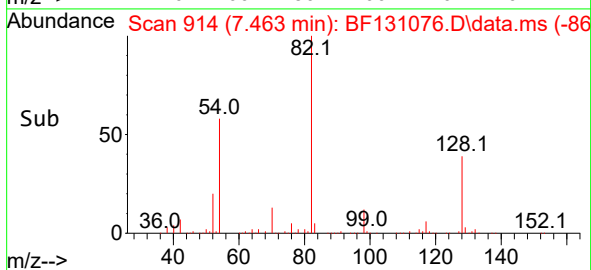
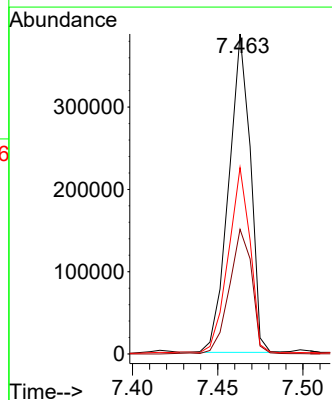
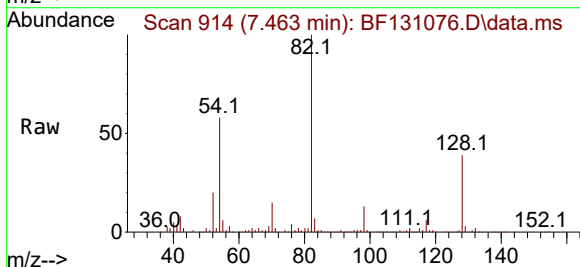
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	9.8	8.2	12.2
68	6.6	4.8	7.2

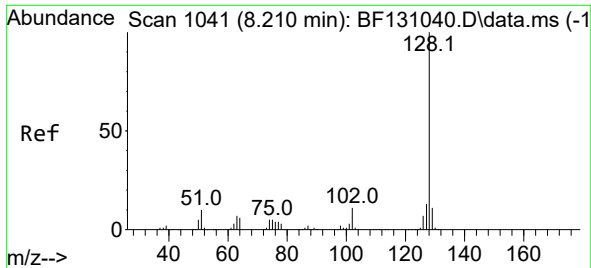


#23
Nitrobenzene-d5
Concen: 65.625 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

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

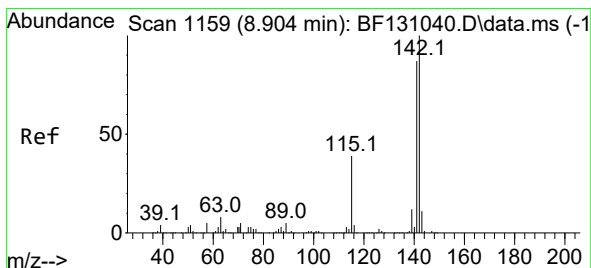
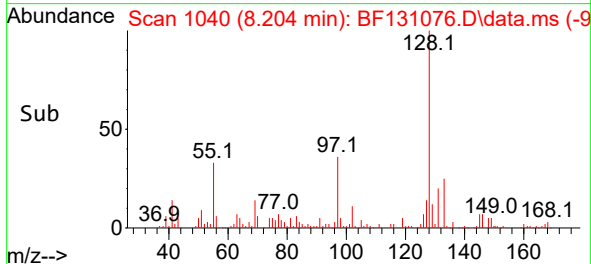
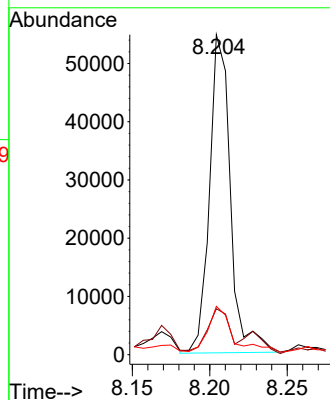
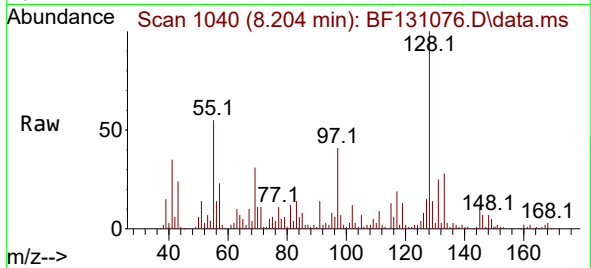




#31
Naphthalene
Concen: 3.867 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

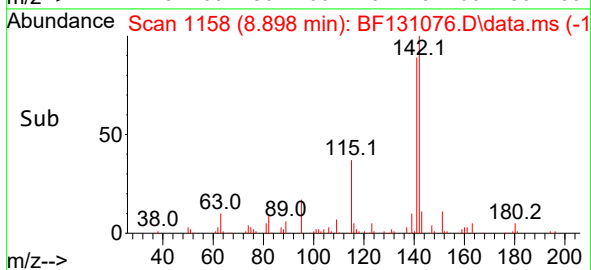
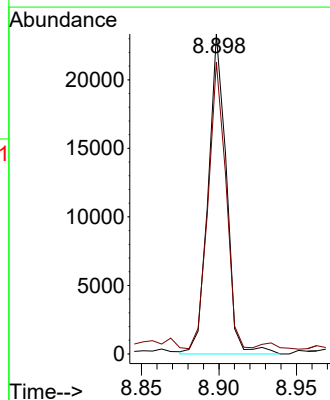
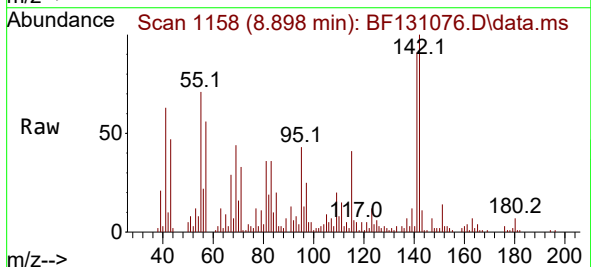
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

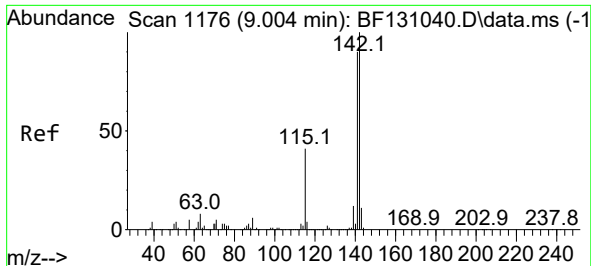
Tgt Ion:128 Resp: 51343
Ion Ratio Lower Upper
128 100
129 14.4 9.0 13.4#
127 15.1 10.5 15.7



#37
2-Methylnaphthalene
Concen: 2.253 ng
RT: 8.898 min Scan# 1158
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Tgt Ion:142 Resp: 19027
Ion Ratio Lower Upper
142 100
141 91.3 69.8 104.6

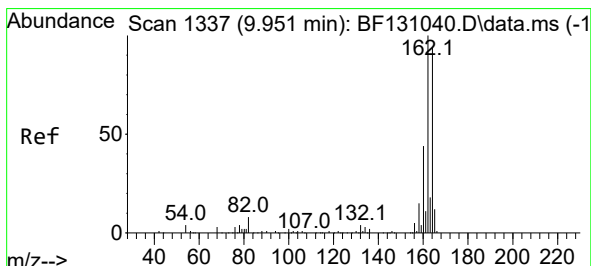
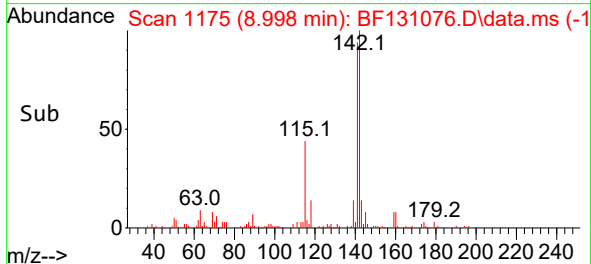
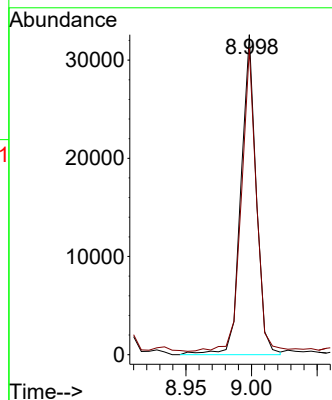
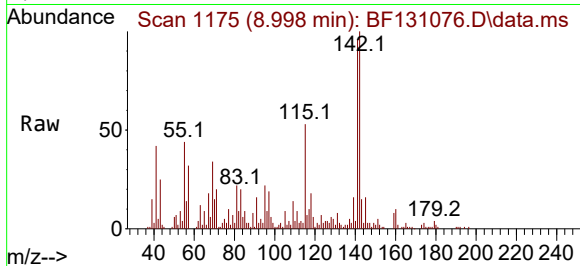




#38
1-Methylnaphthalene
Concen: 3.273 ng
RT: 8.998 min Scan# 1175
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

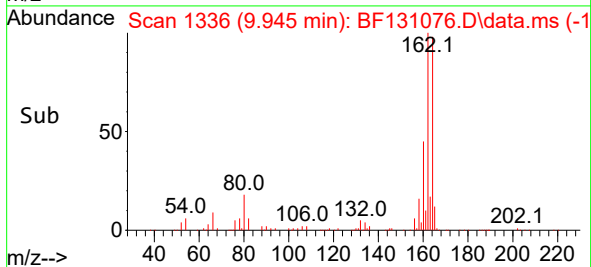
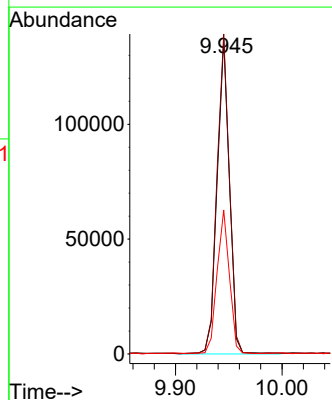
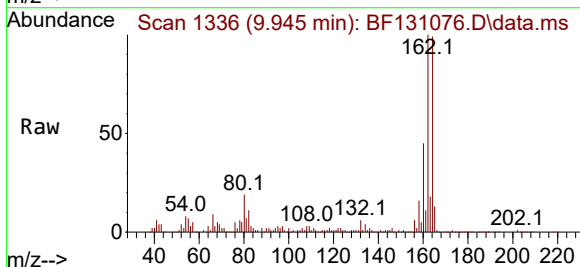
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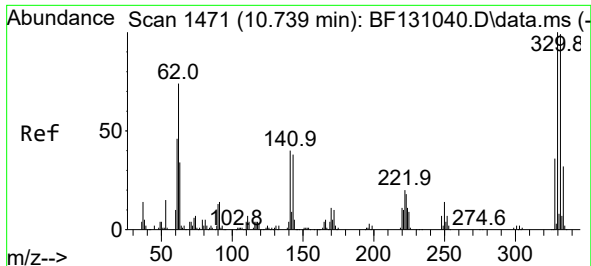
Tgt Ion:142 Resp: 26400
Ion Ratio Lower Upper
142 100
141 95.6 72.2 108.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

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





#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

Instrument :

BNA_F

ClientSampleId :

TUL-ROS-1104

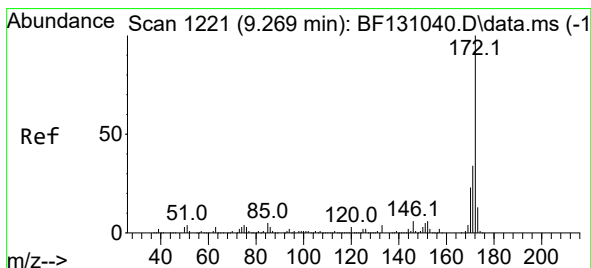
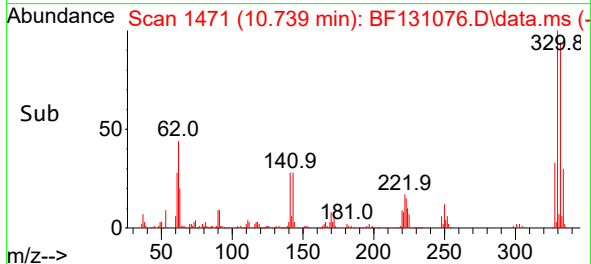
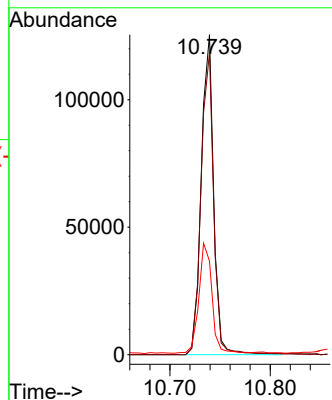
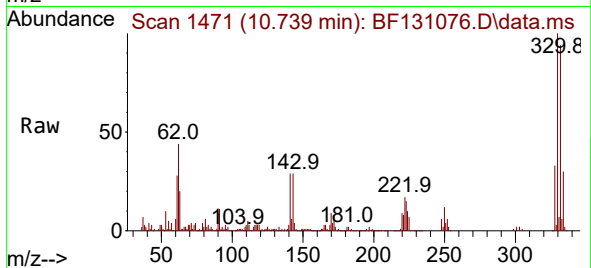
Tgt Ion:330 Resp: 108269

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# 1220

Delta R.T. -0.006 min

Lab File: BF131076.D

Acq: 08 Nov 2022 20:03

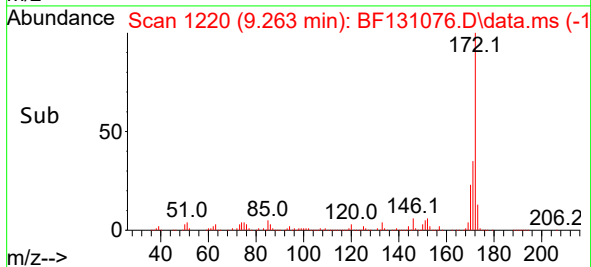
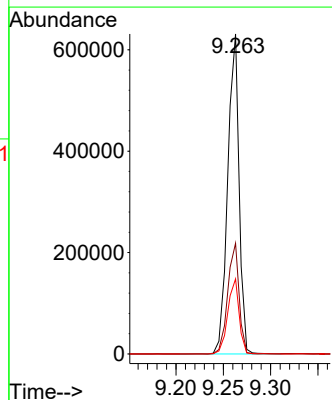
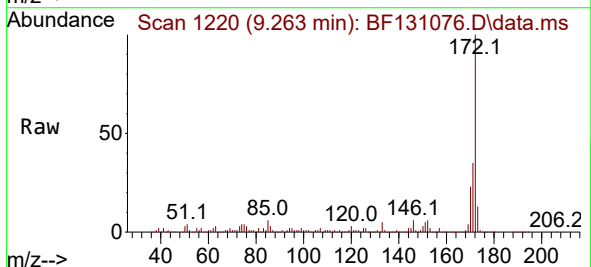
Tgt Ion:172 Resp: 529556

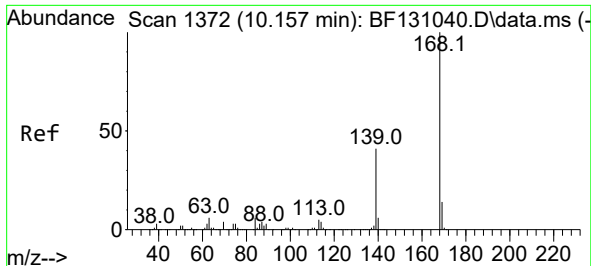
Ion Ratio Lower Upper

172 100

171 34.6 27.7 41.5

170 23.5 18.4 27.6

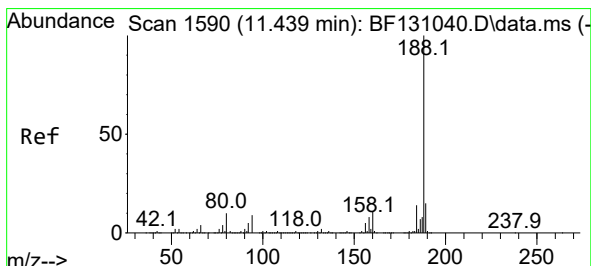
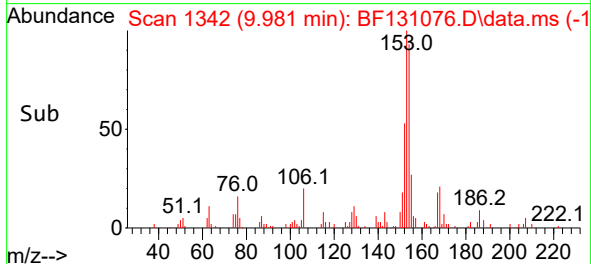
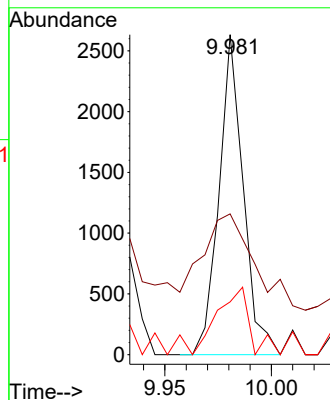
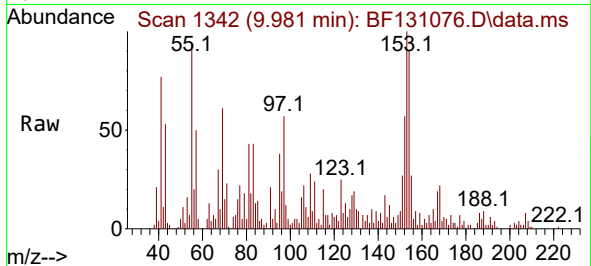




#55
Dibenzofuran
Concen: Below Cal
RT: 9.981 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

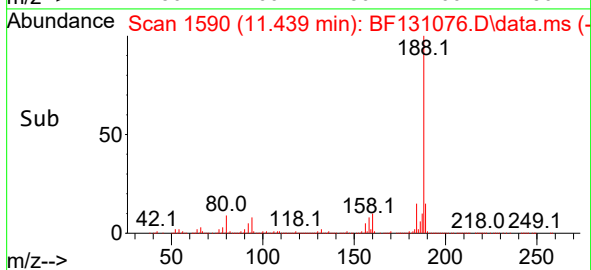
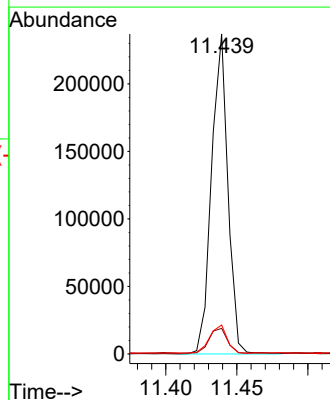
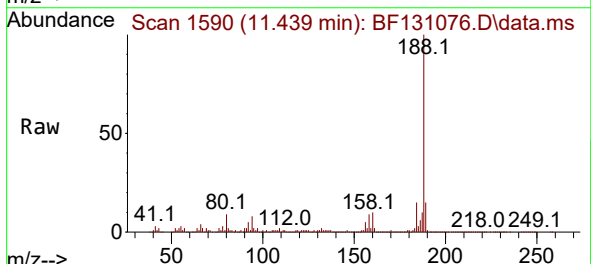
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

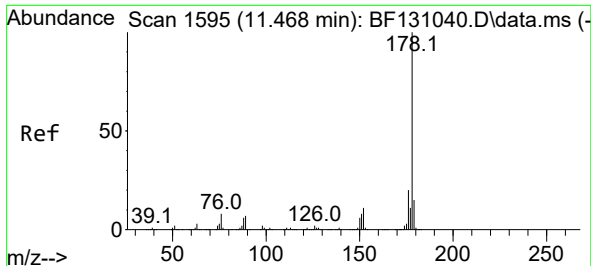
Tgt Ion:168 Resp: 2083
Ion Ratio Lower Upper
168 100
139 44.0 33.0 49.6
169 16.5 11.3 16.9



#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

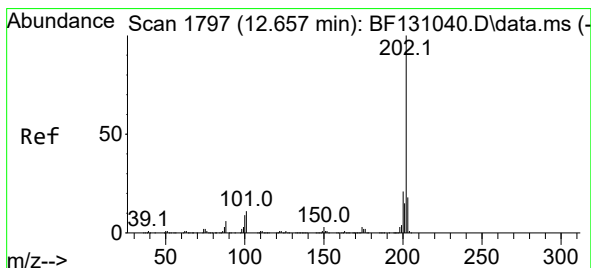
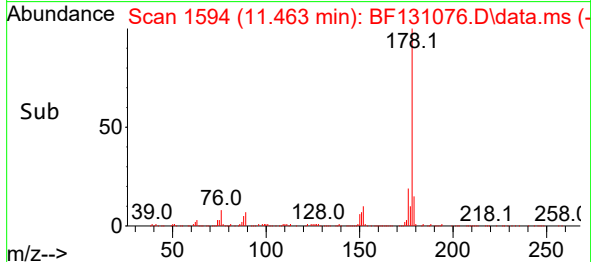
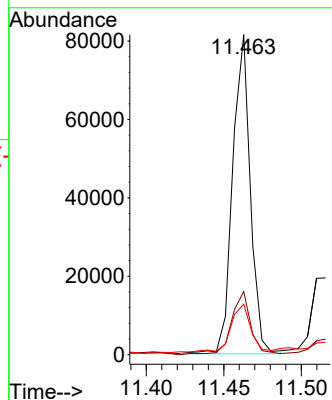
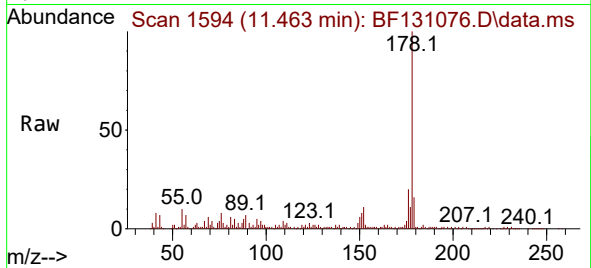




#71
Phenanthrene
Concen: 6.024 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.005 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

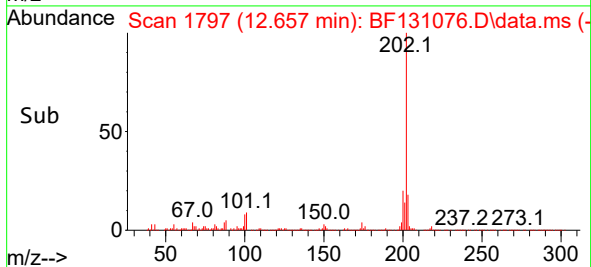
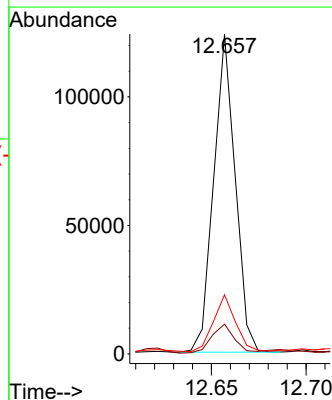
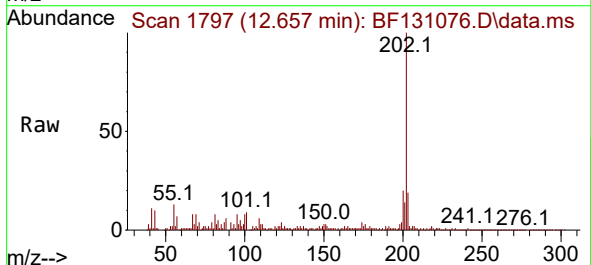
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

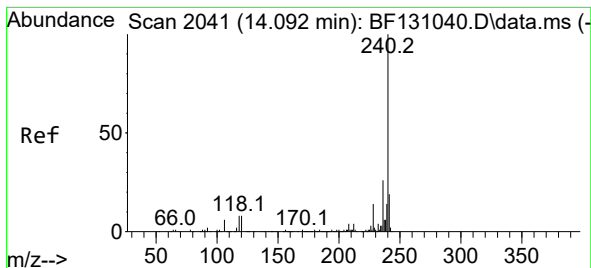
Tgt Ion:178 Resp: 64551
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 15.8 12.3 18.5



#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

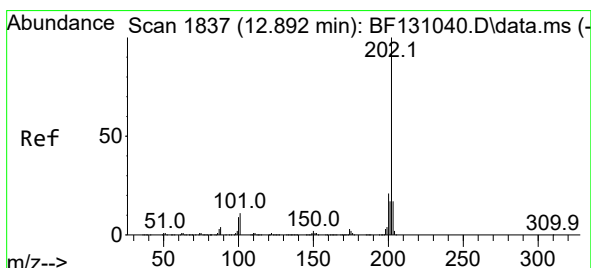
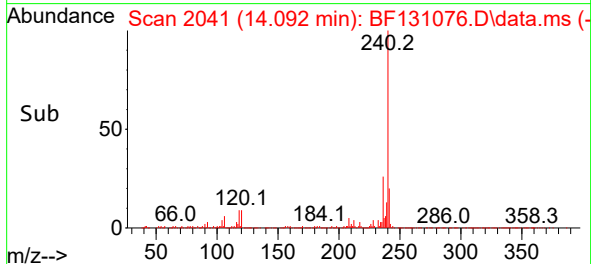
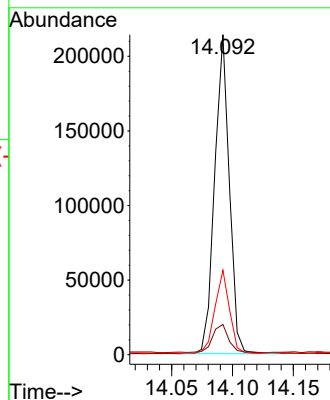
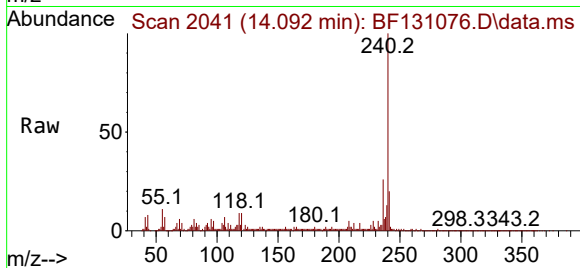
Tgt Ion:240 Resp: 179394

Ion Ratio Lower Upper

240 100

120 9.5 6.7 10.1

236 26.4 20.8 31.2



#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

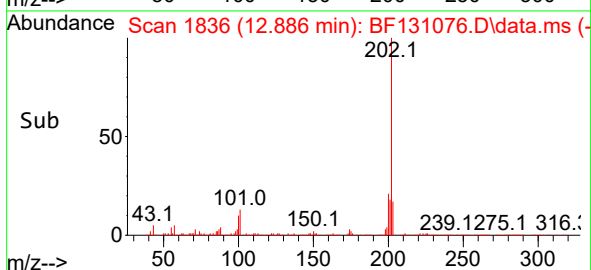
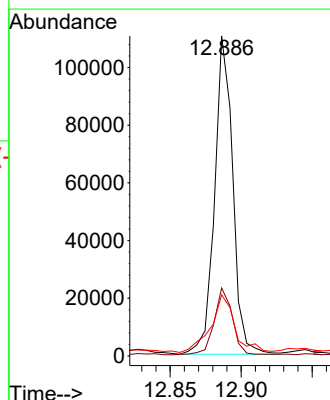
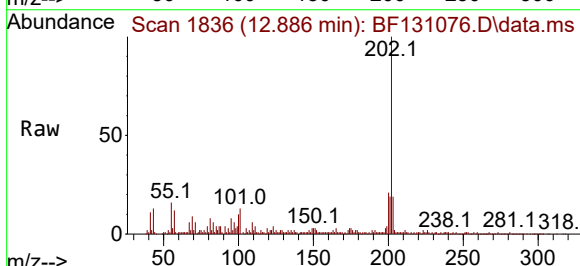
Tgt Ion:202 Resp: 98127

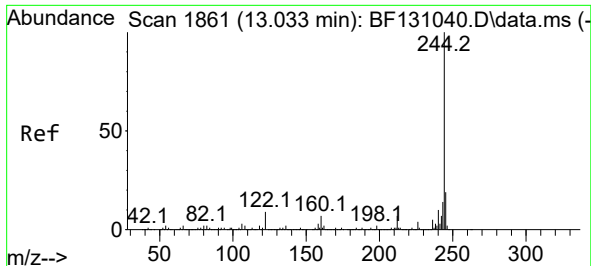
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 19.1 13.8 20.8

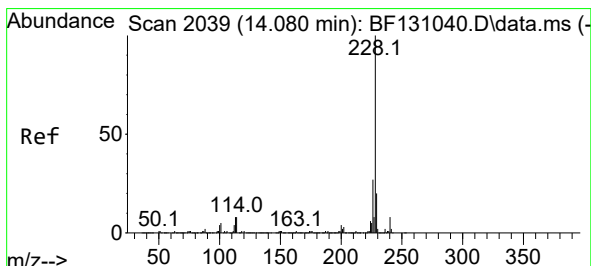
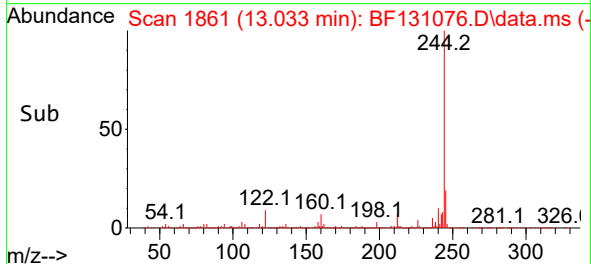
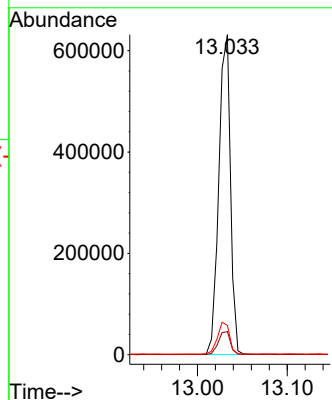
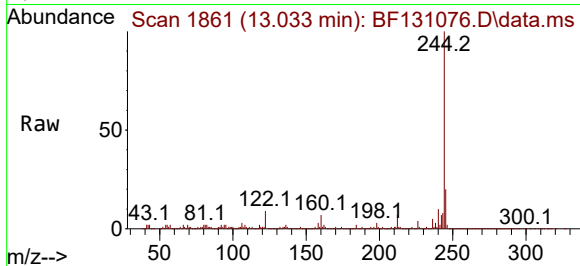




#79
 Terphenyl-d14
 Concen: 50.867 ng
 RT: 13.033 min Scan# 1861
 Delta R.T. 0.000 min
 Lab File: BF131076.D
 Acq: 08 Nov 2022 20:03

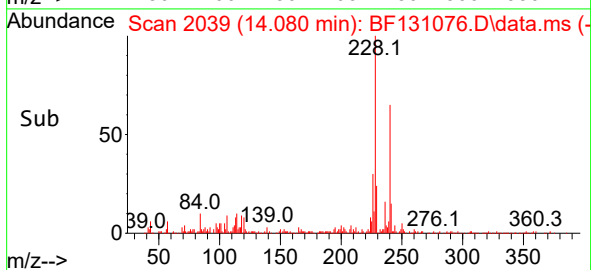
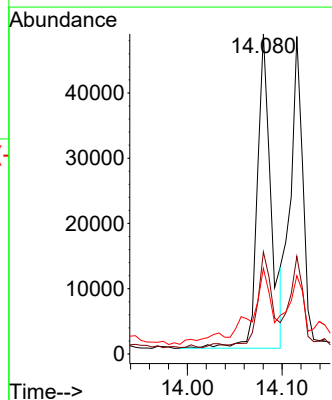
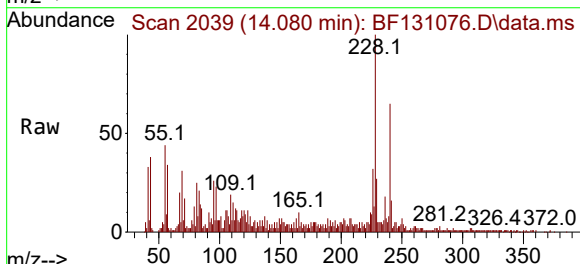
Instrument :
 BNA_F
 ClientSampleId :
 TUL-ROS-1104

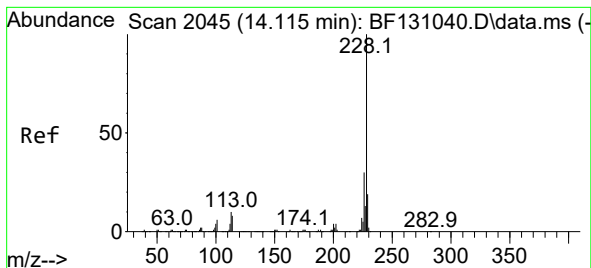
Tgt Ion:244 Resp: 569170
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.1 7.0 10.4



#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

ClientSampleId :

TUL-ROS-1104

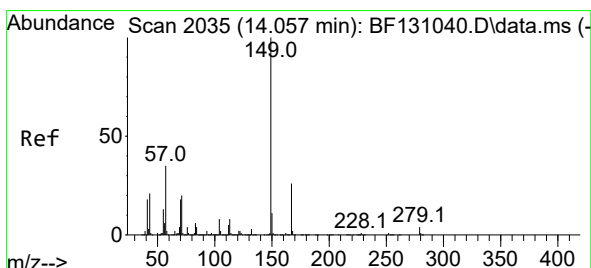
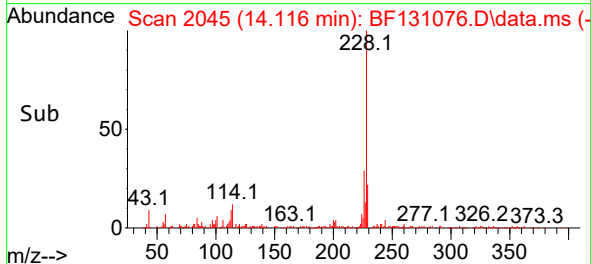
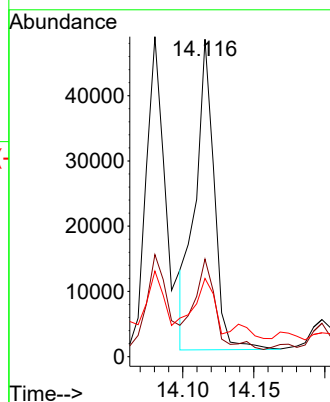
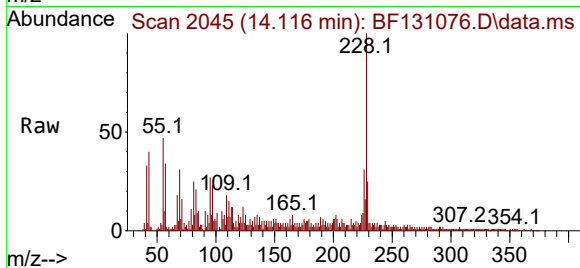
Tgt Ion:228 Resp: 44109

Ion Ratio Lower Upper

228 100

226 30.8 23.7 35.5

229 24.7 15.4 23.0#



#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

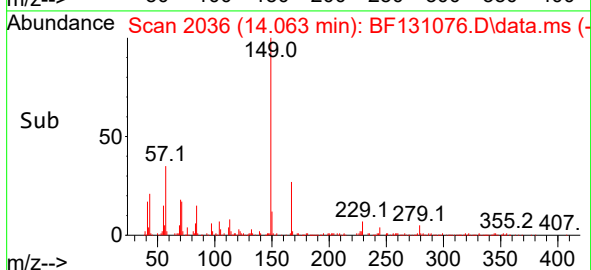
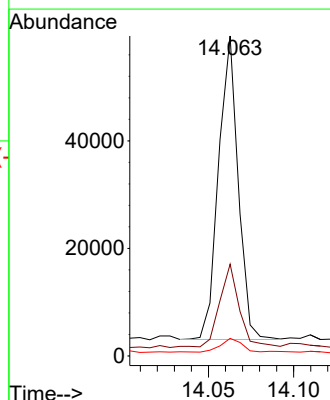
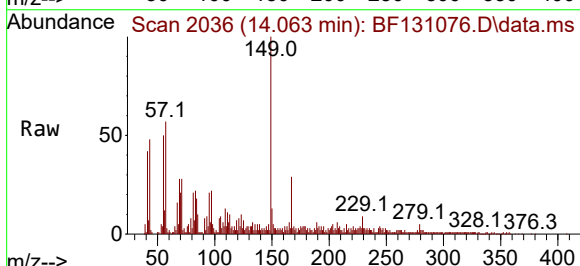
Tgt Ion:149 Resp: 45146

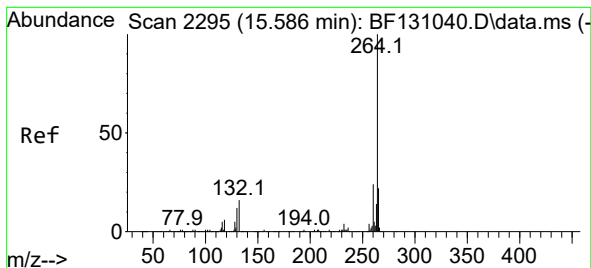
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.012 min

Lab File: BF131076.D

Acq: 08 Nov 2022 20:03

Instrument :

BNA_F

ClientSampleId :

TUL-ROS-1104

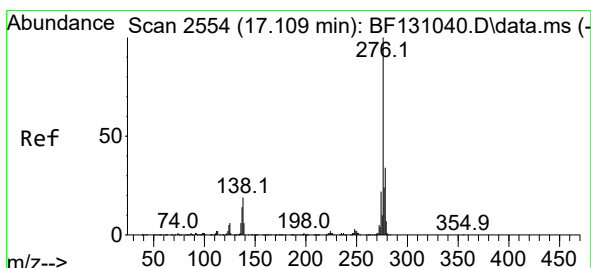
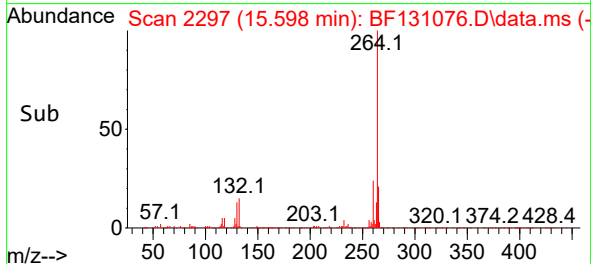
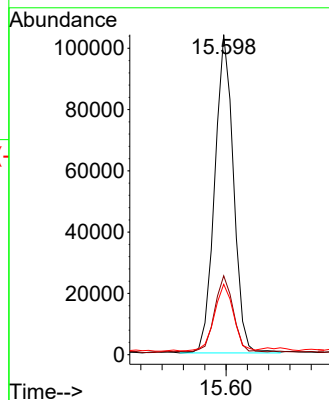
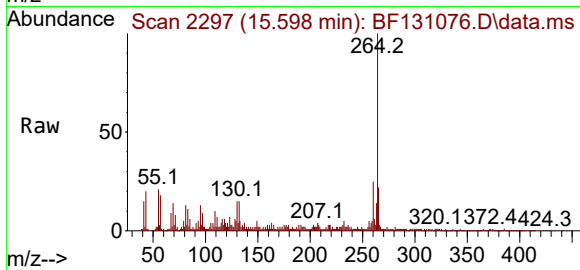
Tgt Ion:264 Resp: 127069

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.0 17.3 25.9



#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

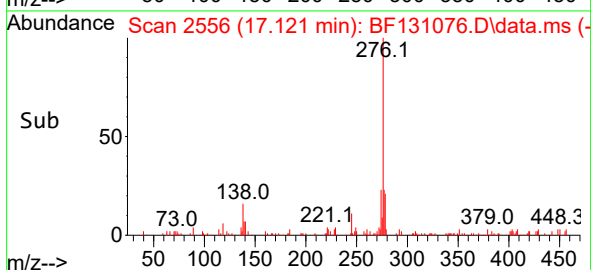
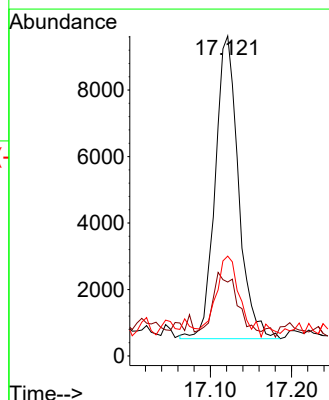
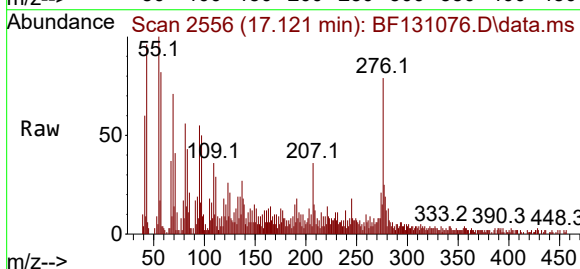
Tgt Ion:276 Resp: 18115

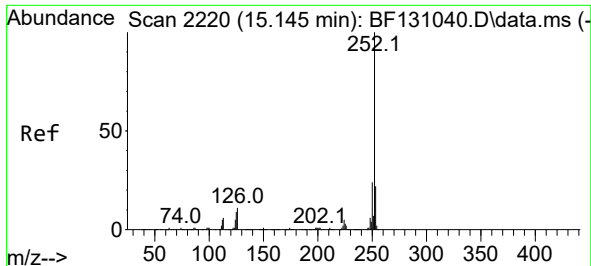
Ion Ratio Lower Upper

276 100

138 20.9 17.3 25.9

277 27.2 20.2 30.4

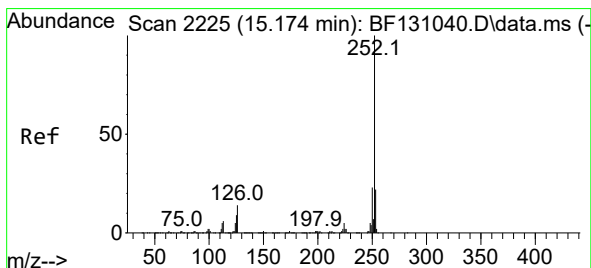
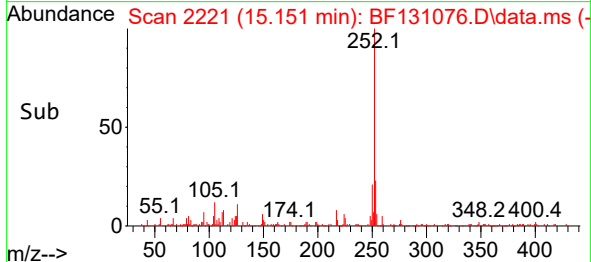
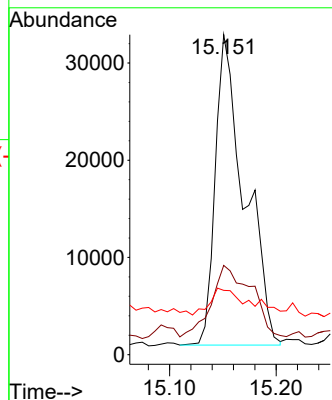
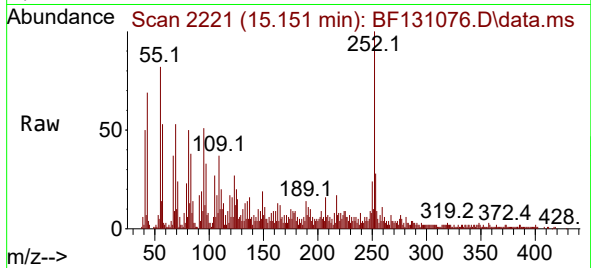




#88
Benzo(b)fluoranthene
Concen: 6.595 ng
RT: 15.151 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

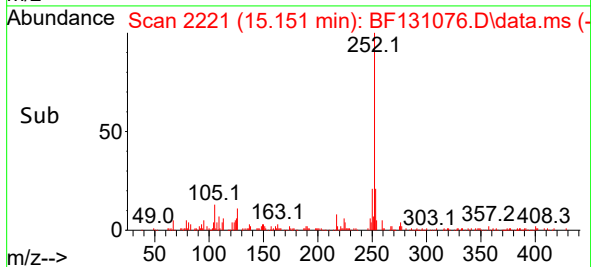
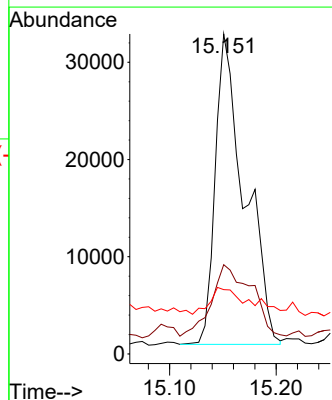
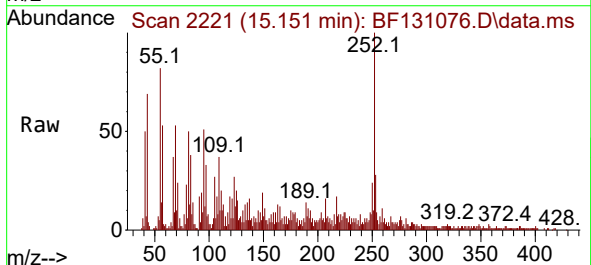
Instrument :
BNA_F
ClientSampleId :
TUL-ROS-1104

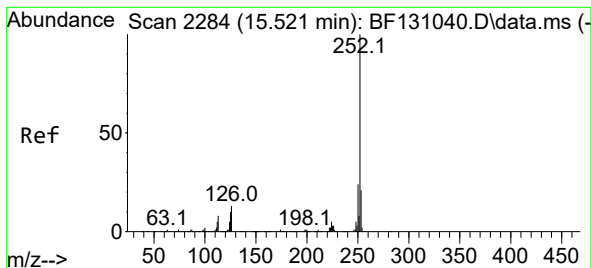
Tgt Ion:252 Resp: 60901
Ion Ratio Lower Upper
252 100
253 27.9 17.9 26.9#
125 20.1 7.1 10.7#



#89
Benzo(k)fluoranthene
Concen: 6.769 ng
RT: 15.151 min Scan# 2221
Delta R.T. -0.023 min
Lab File: BF131076.D
Acq: 08 Nov 2022 20:03

Tgt Ion:252 Resp: 60901
Ion Ratio Lower Upper
252 100
253 27.9 17.1 25.7#
125 20.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 4.054 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131076.D

Acq: 08 Nov 2022 20:03

Instrument :

BNA_F

ClientSampleId :

TUL-ROS-1104

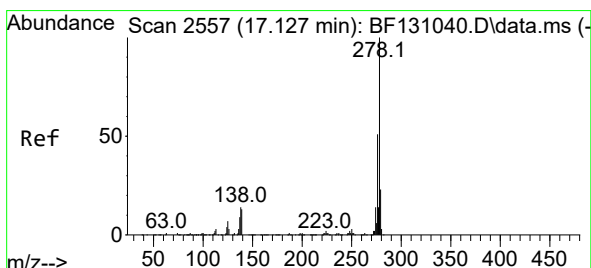
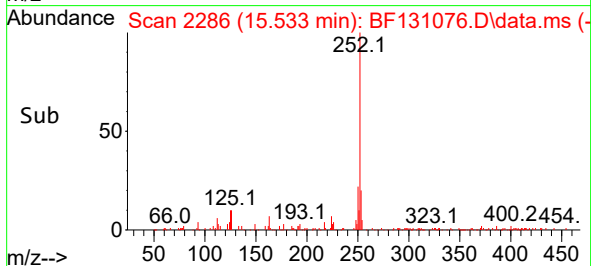
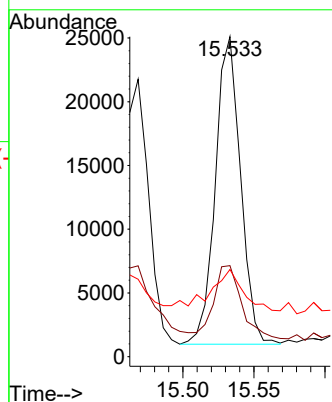
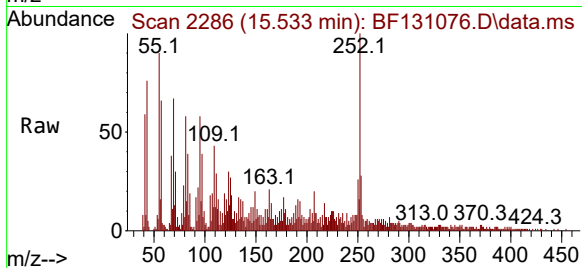
Tgt Ion:252 Resp: 29764

Ion Ratio Lower Upper

252 100

253 28.5 16.9 25.3#

125 27.2 7.9 11.9#



#91

Dibenzo(a,h)anthracene

Concen: 3.855 ng

RT: 17.127 min Scan# 2557

Delta R.T. 0.000 min

Lab File: BF131076.D

Acq: 08 Nov 2022 20:03

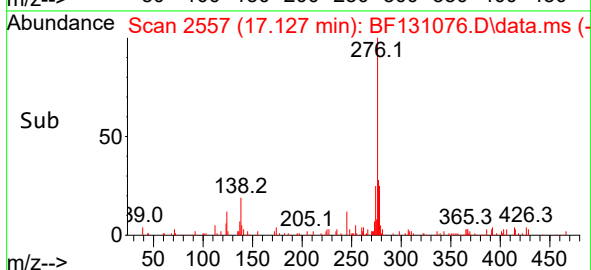
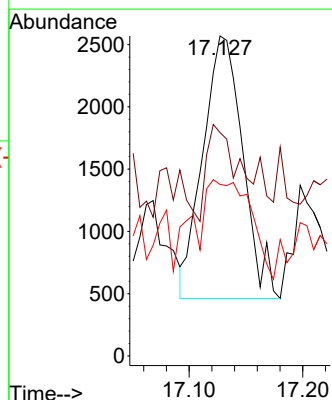
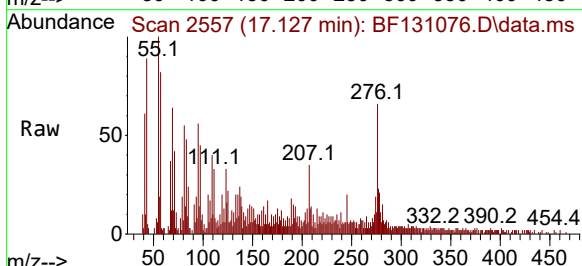
Tgt Ion:278 Resp: 5148

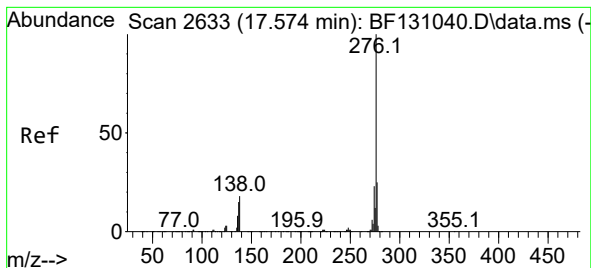
Ion Ratio Lower Upper

278 100

139 69.8 10.8 16.2#

279 53.6 18.7 28.1#





#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

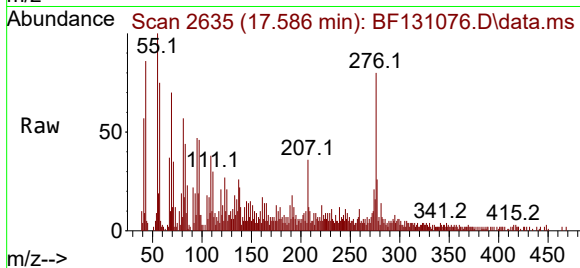
Acq: 08 Nov 2022 20:03

Instrument :

BNA_F

ClientSampleId :

TUL-ROS-1104



Tgt Ion:276 Resp: 19971

Ion Ratio Lower Upper

276 100

277 32.9 20.0 30.0#

138 28.1 14.8 22.2#

