

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135026.D
 Acq On : 31 Aug 2023 02:56
 Operator : CG\JU
 Sample : 04197-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-309-OK-370-COMP-22

Quant Time: Aug 31 06:01:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

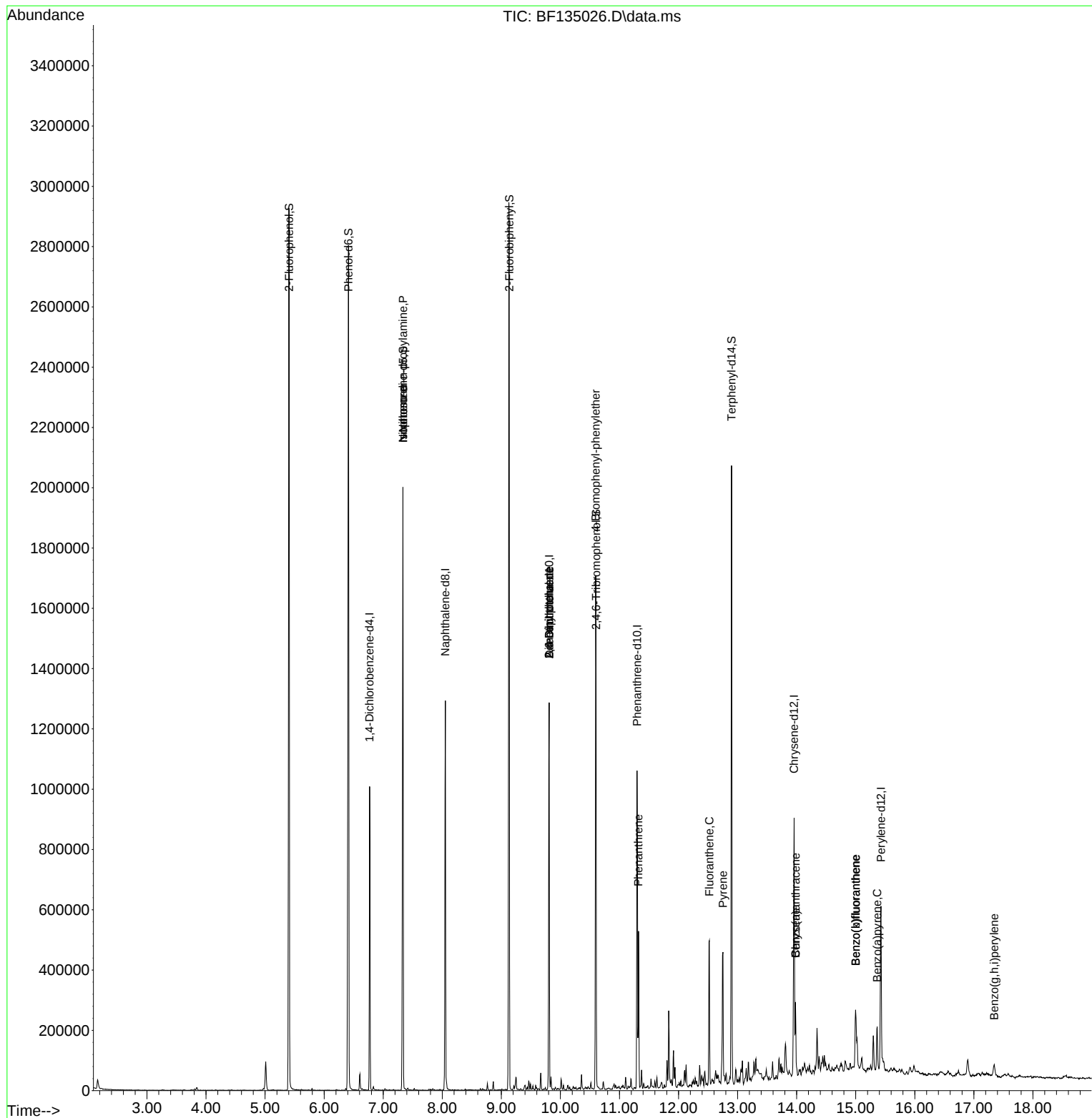
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	138959	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	542828	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	252832	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	366431	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	242674	20.000	ng	0.00
86) Perylene-d12	15.427	264	250111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	805179	89.501	ng	0.00
7) Phenol-d6	6.410	99	984143	87.765	ng	0.00
23) Nitrobenzene-d5	7.334	82	599402	62.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	197287	73.559	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	961749	61.932	ng	0.00
79) Terphenyl-d14	12.898	244	664066	44.656	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	80422	12.074	ng	# 76
25) Isophorone	7.334	82	599391	32.719	ng	# 65
50) Dimethylphthalate	9.810	163	52869	2.986	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	32591	8.390	ng	# 22
57) 2,4-Dinitrotoluene	9.810	165	32591	6.732	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	12400	3.190	ng	# 1
71) Phenanthrene	11.322	178	178192	9.426	ng	98
75) Fluoranthene	12.522	202	200944	10.513	ng	96
78) Pyrene	12.751	202	188858	8.197	ng	98
81) Benzo(a)anthracene	13.980	228	90174	5.447	ng	97
83) Chrysene	13.980	228	90174	5.543	ng	98
88) Benzo(b)fluoranthene	14.998	252	137438	8.831	ng	98
89) Benzo(k)fluoranthene	14.998	252	137438	9.141	ng	99
90) Benzo(a)pyrene	15.363	252	70083	4.848	ng	98
92) Benzo(g,h,i)perylene	17.345	276	31651	2.230	ng	98

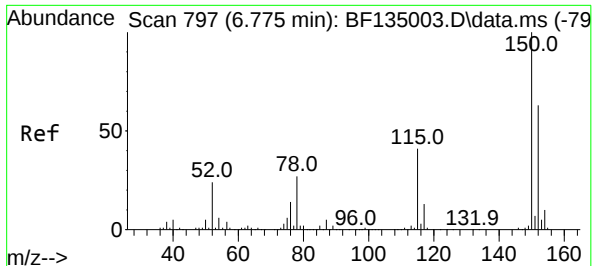
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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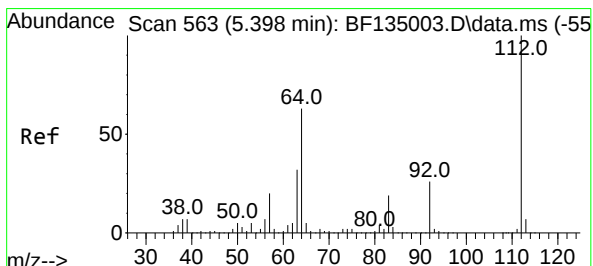
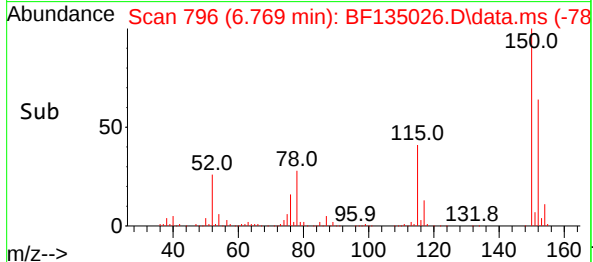
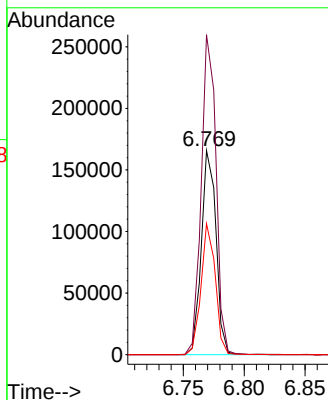
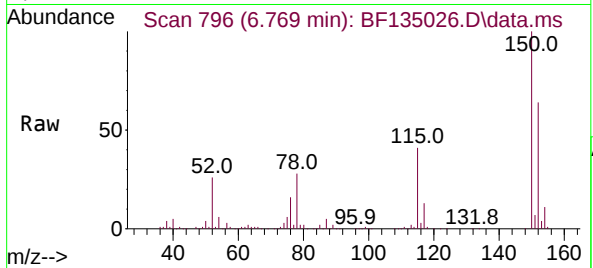




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

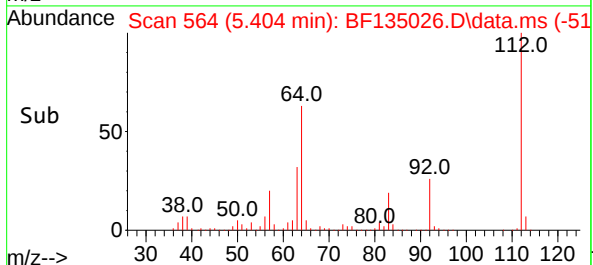
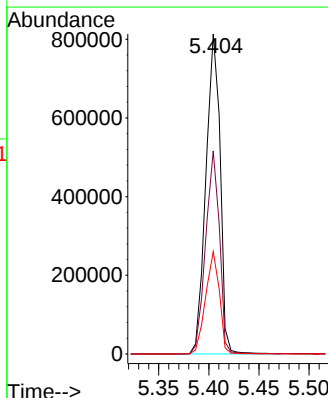
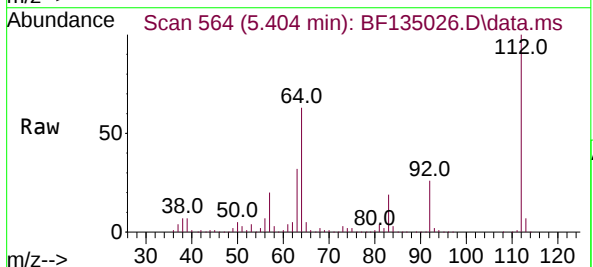
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22

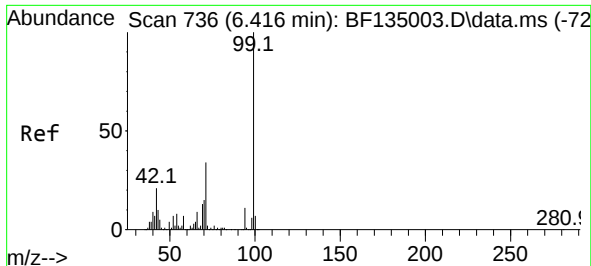
Tgt Ion:152 Resp: 138959
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.4
115 64.2 51.2 76.8



#5
2-Fluorophenol
Concen: 89.501 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:112 Resp: 805179
Ion Ratio Lower Upper
112 100
64 63.4 50.5 75.7
63 32.0 25.9 38.9

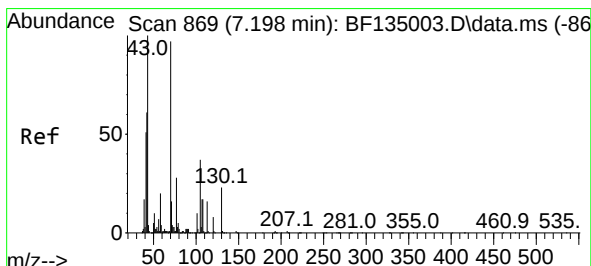
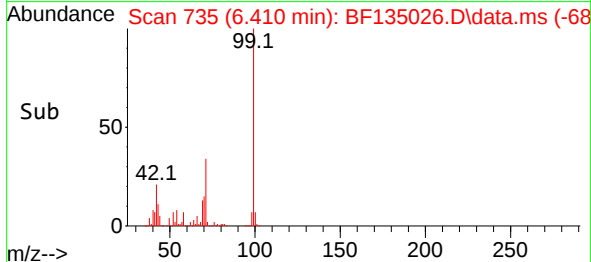
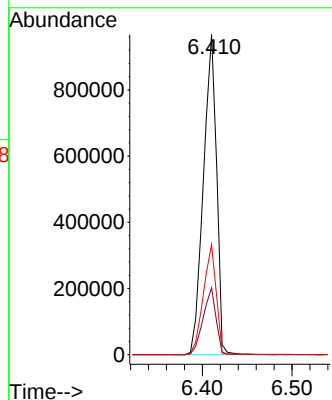
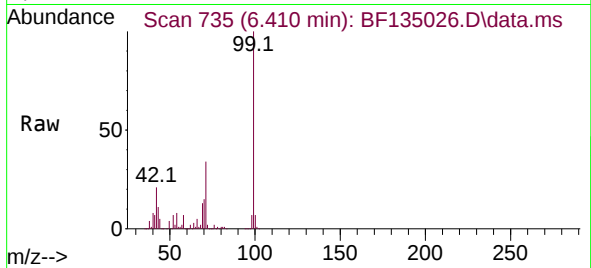




#7
Phenol-d6
Concen: 87.765 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

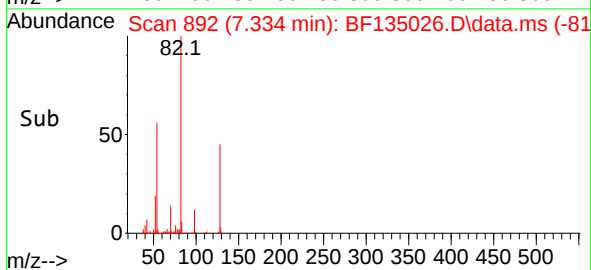
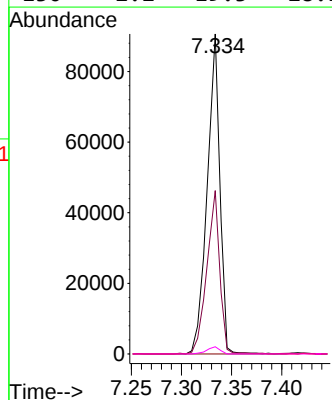
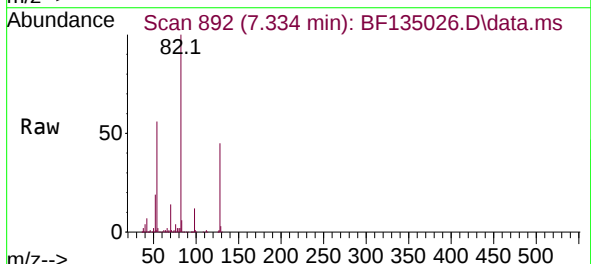
Instrument :
BNA_F
ClientSampleId :
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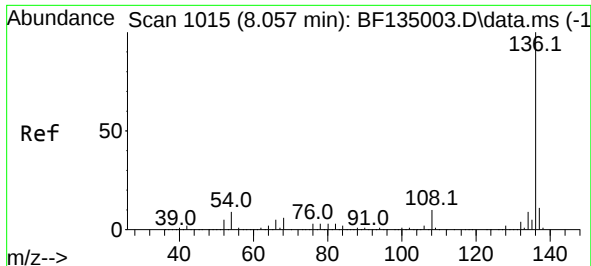
Tgt Ion: 99 Resp: 984143
Ion Ratio Lower Upper
99 100
42 20.9 16.6 25.0
71 34.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.074 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

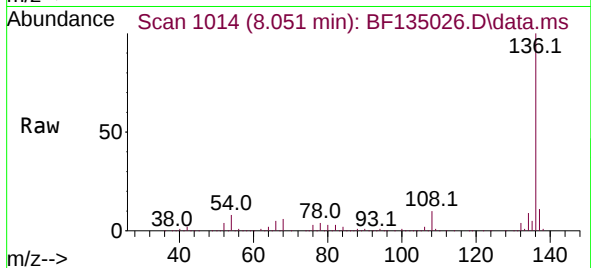
Tgt Ion: 70 Resp: 80422
Ion Ratio Lower Upper
70 100
42 51.1 50.2 75.4
101 0.0 8.1 12.1#
130 2.2 19.3 28.9#



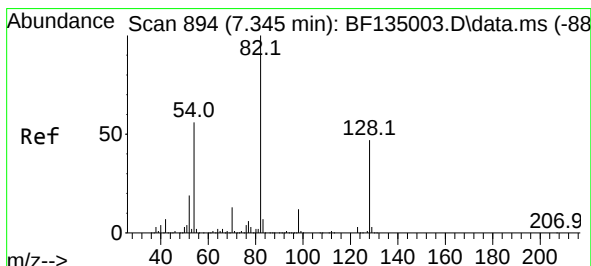
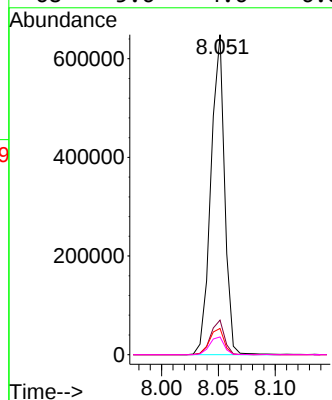
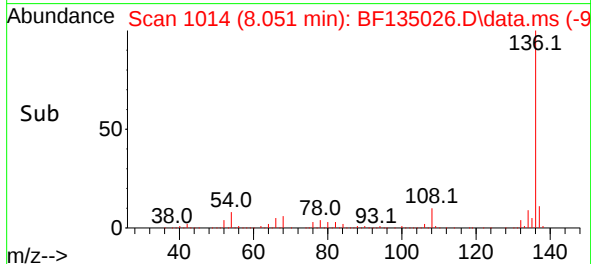


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

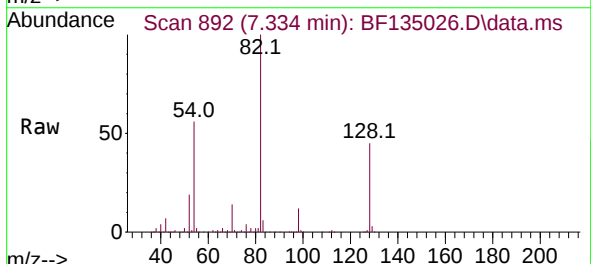
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



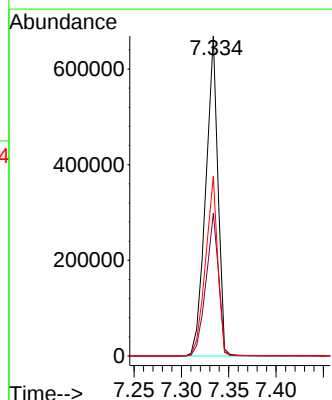
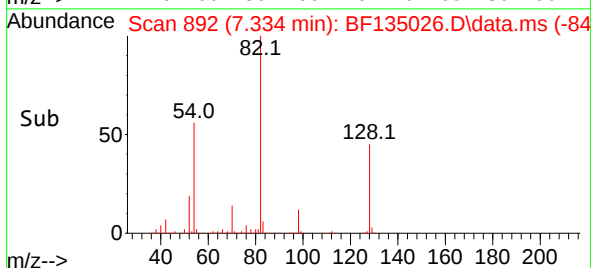
Tgt Ion:136 Resp: 542828
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 7.0 10.4
68 5.6 4.6 6.8

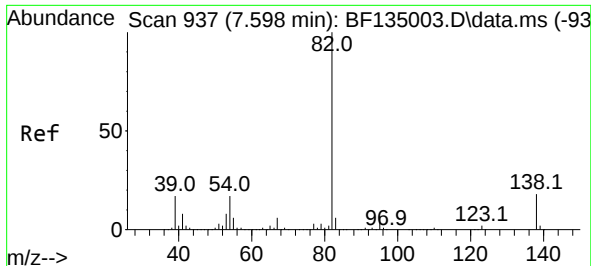


#23
Nitrobenzene-d5
Concen: 62.036 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56



Tgt Ion: 82 Resp: 599402
Ion Ratio Lower Upper
82 100
128 44.6 37.8 56.8
54 56.1 45.0 67.6

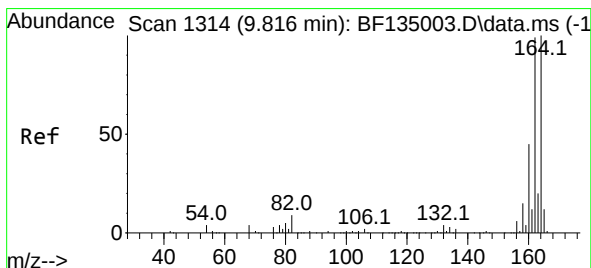
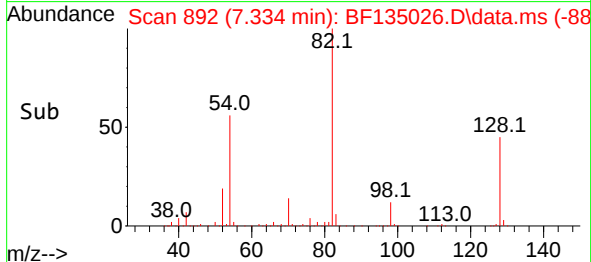
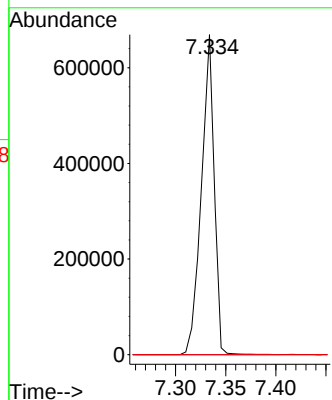
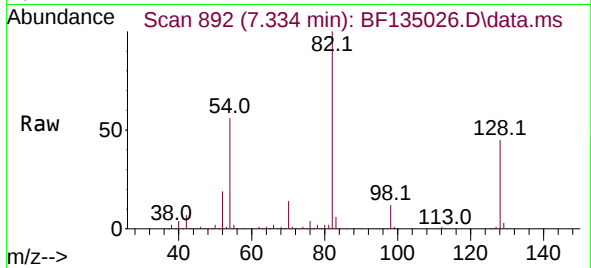




#25
Isophorone
Concen: 32.719 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

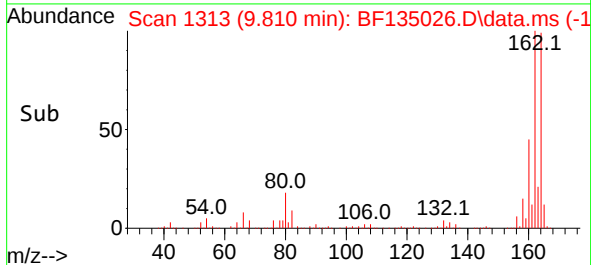
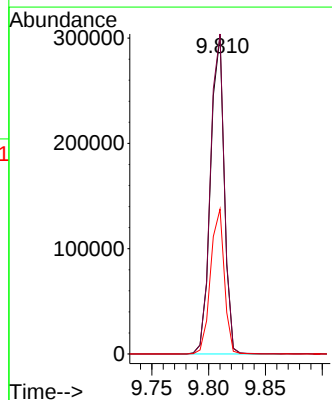
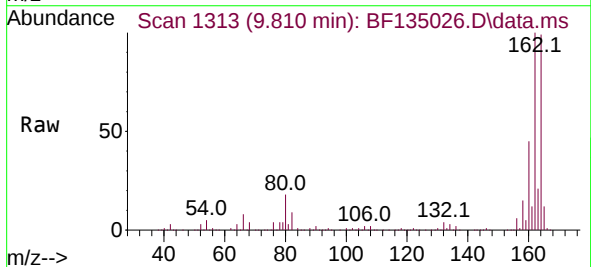
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22

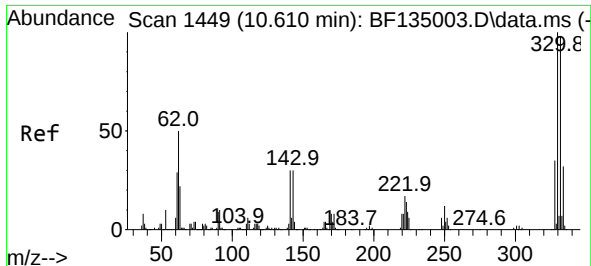
Tgt Ion: 82 Resp: 599391
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:164 Resp: 252832
Ion Ratio Lower Upper
164 100
162 100.5 79.5 119.3
160 45.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 73.559 ng

RT: 10.604 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF135026.D

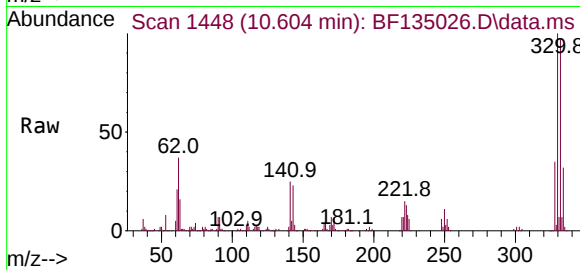
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Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22



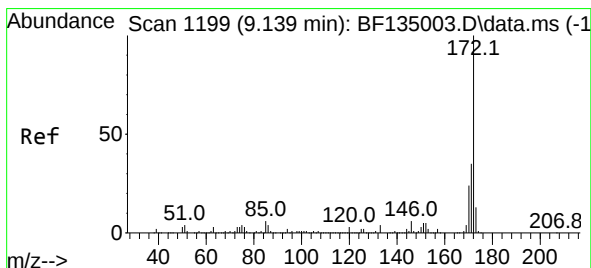
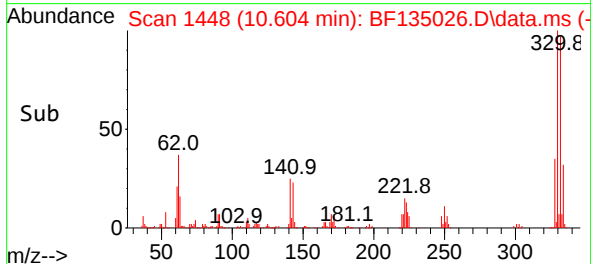
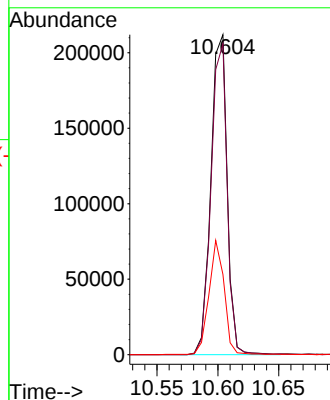
Tgt Ion:330 Resp: 197287

Ion Ratio Lower Upper

330 100

332 96.2 77.6 116.4

141 33.8 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 61.932 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

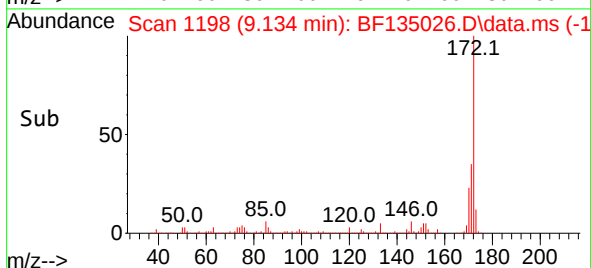
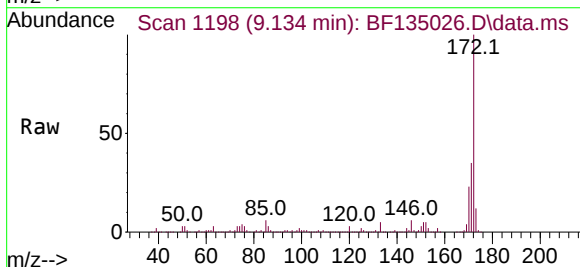
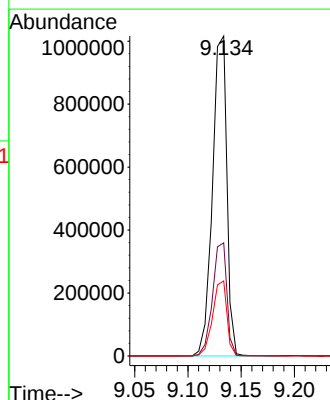
Tgt Ion:172 Resp: 961749

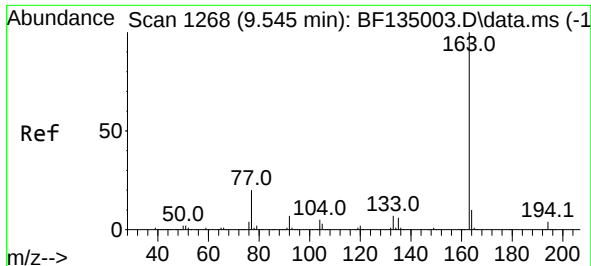
Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

170 23.4 19.0 28.4

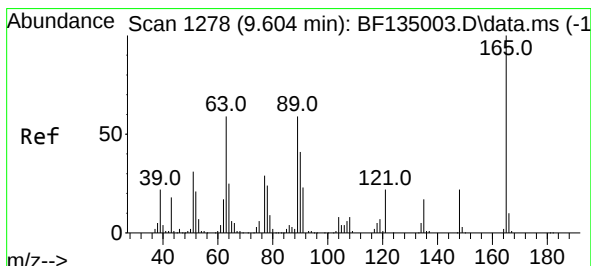
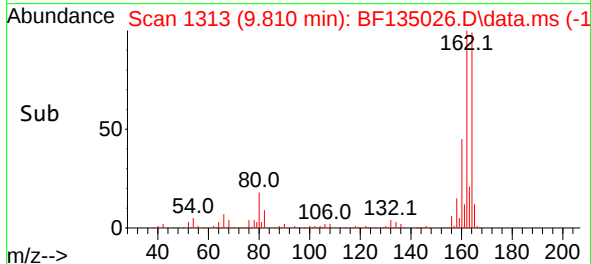
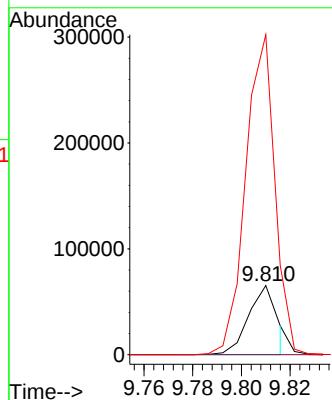
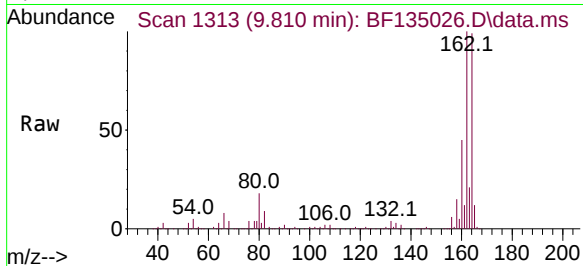




#50
Dimethylphthalate
Concen: 2.986 ng
RT: 9.810 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

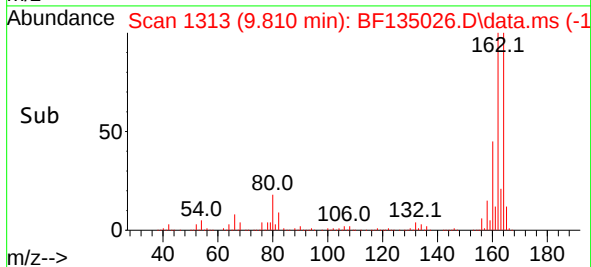
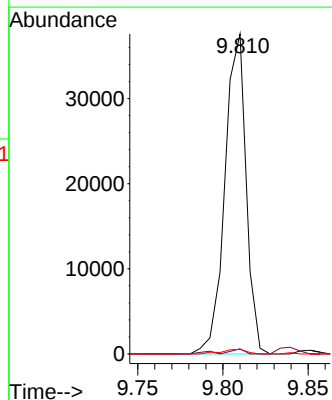
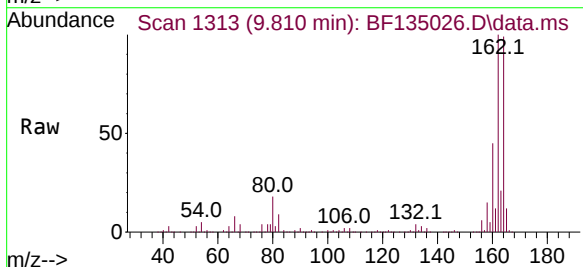
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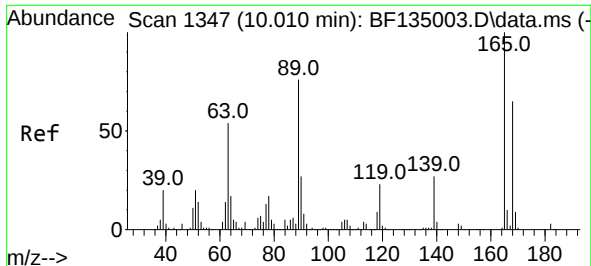
Tgt Ion:163 Resp: 52869
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 463.4 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.390 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:165 Resp: 32591
Ion Ratio Lower Upper
165 100
63 1.6 50.4 75.6#
89 1.5 47.1 70.7#

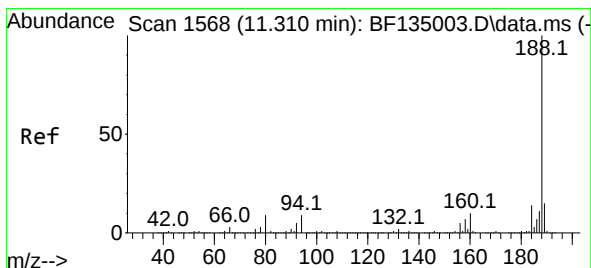
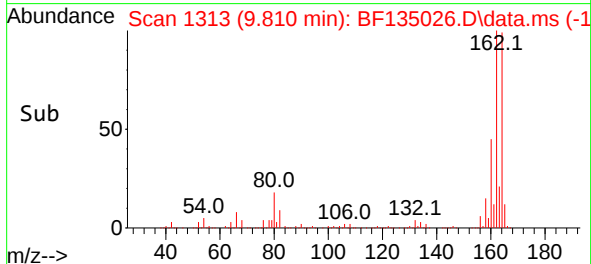
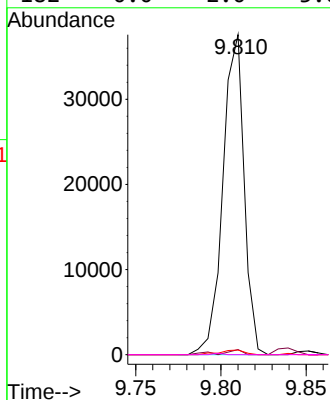
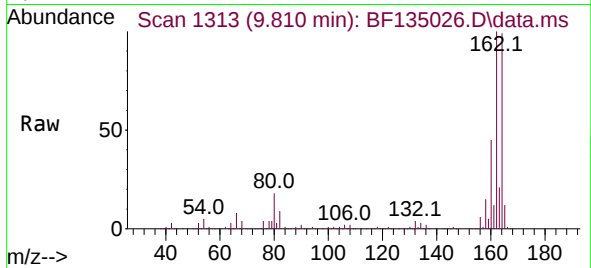




#57
2,4-Dinitrotoluene
Concen: 6.732 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

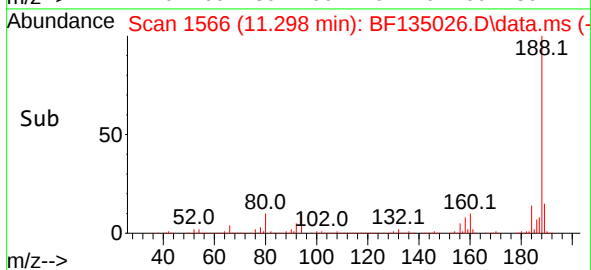
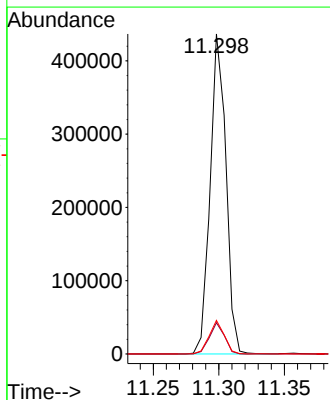
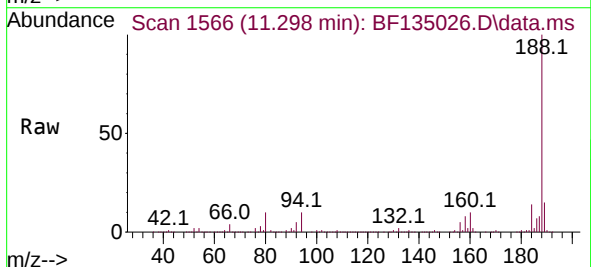
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22

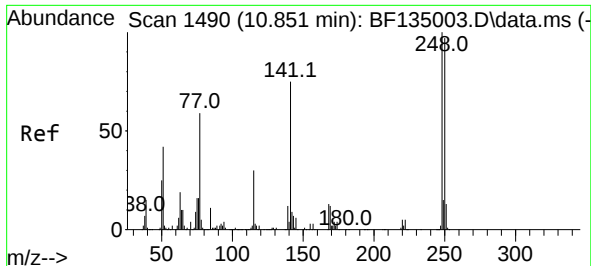
Tgt Ion:165 Resp: 32591
Ion Ratio Lower Upper
165 100
63 1.6 43.2 64.8#
89 1.5 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:188 Resp: 366431
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.5 7.4 11.2

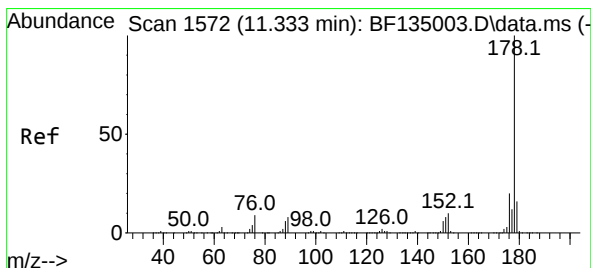
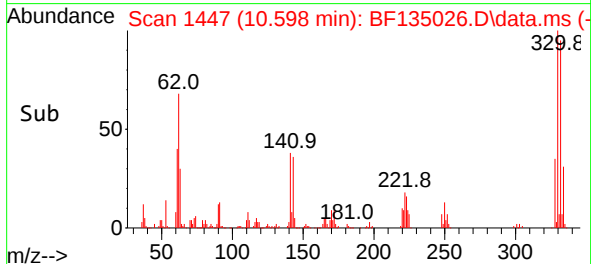
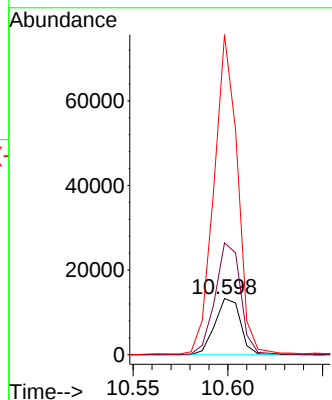
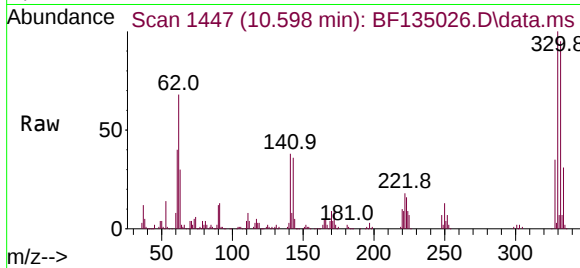




#67
4-Bromophenyl-phenylether
Concen: 3.190 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

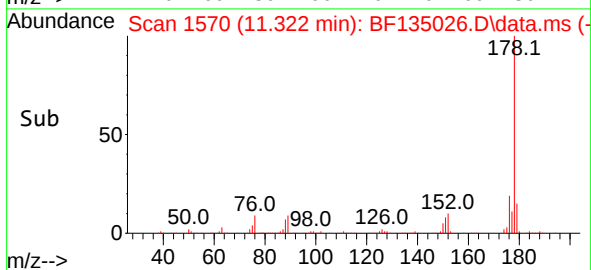
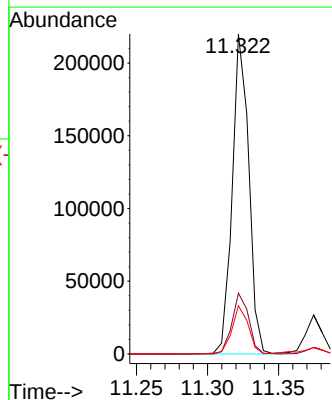
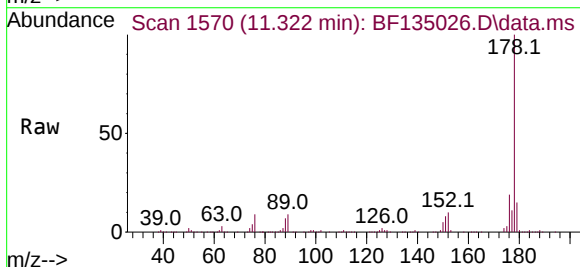
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22

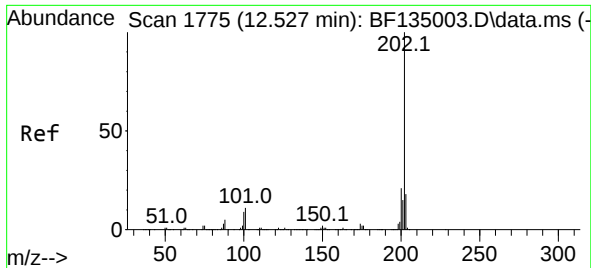
Tgt Ion:248 Resp: 12400
Ion Ratio Lower Upper
248 100
250 199.1 77.9 116.9#
141 569.5 59.8 89.8#



#71
Phenanthrene
Concen: 9.426 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:178 Resp: 178192
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.0 12.5 18.7

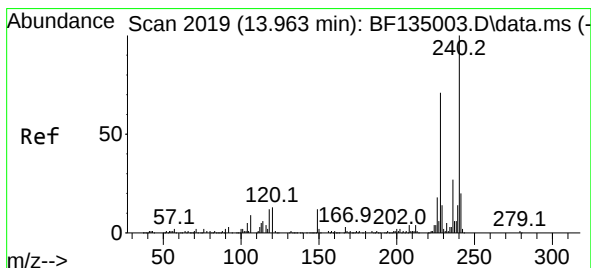
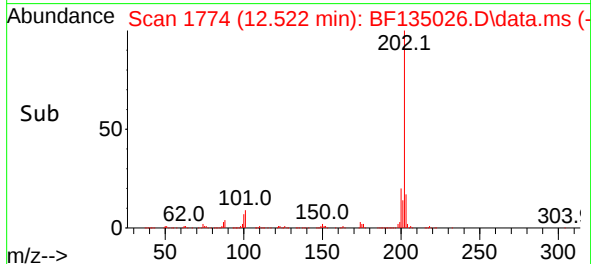
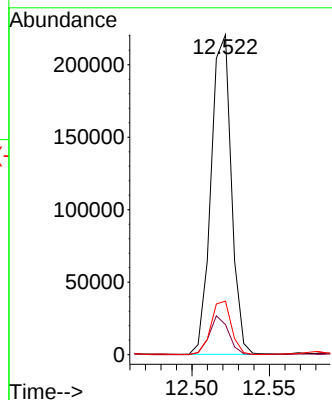
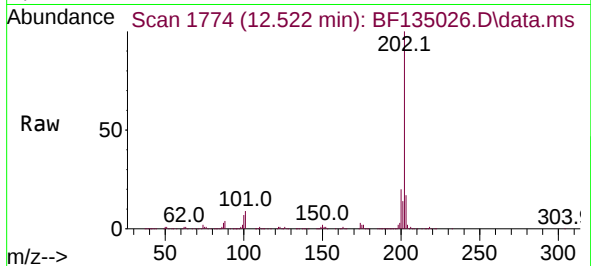




#75
Fluoranthene
Concen: 10.513 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

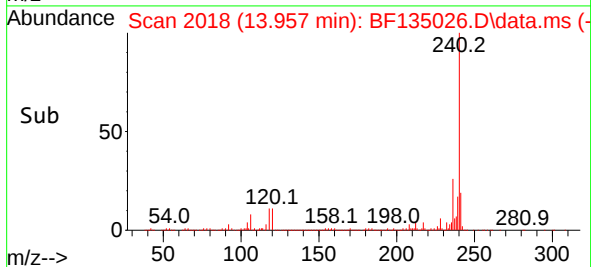
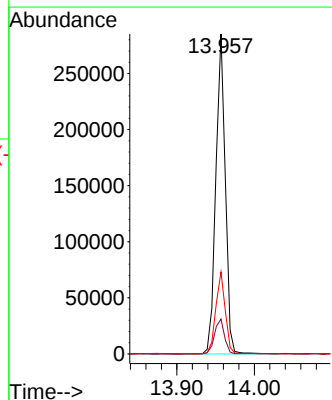
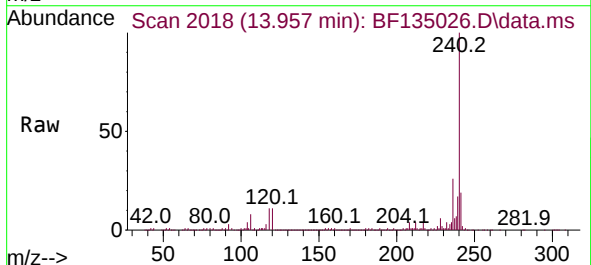
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22

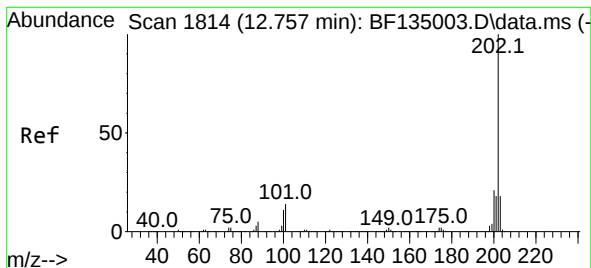
Tgt Ion:202 Resp: 200944
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.5
203 16.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:240 Resp: 242674
Ion Ratio Lower Upper
240 100
120 10.9 10.2 15.2
236 25.6 21.3 31.9





#78

Pyrene

Concen: 8.197 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22

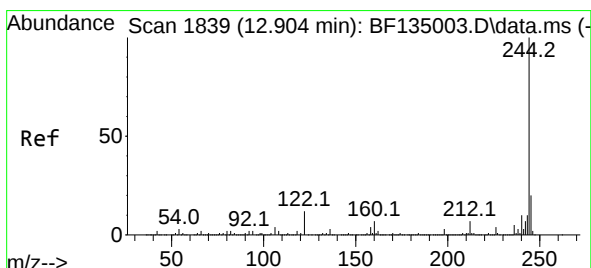
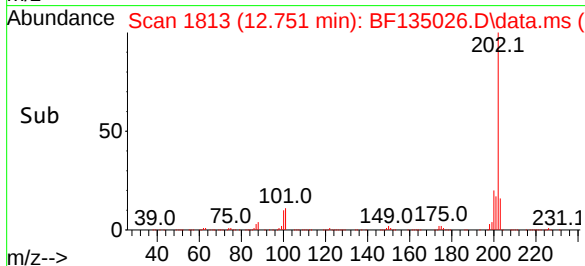
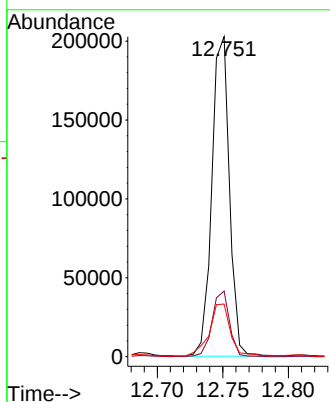
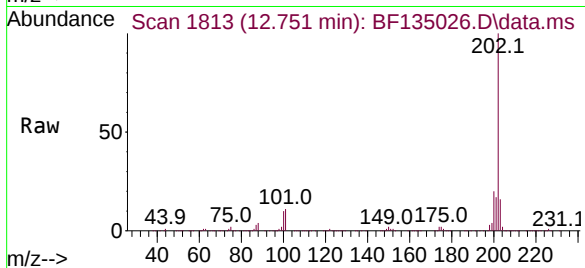
Tgt Ion:202 Resp: 188858

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.6

203 16.4 14.2 21.2



#79

Terphenyl-d14

Concen: 44.656 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

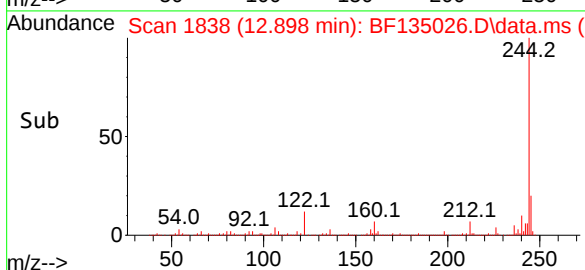
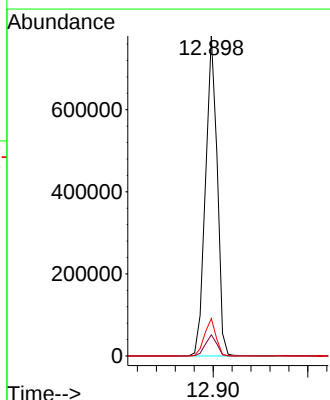
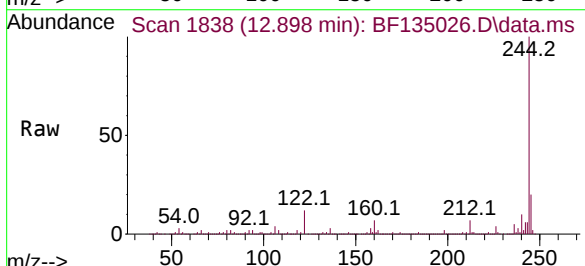
Tgt Ion:244 Resp: 664066

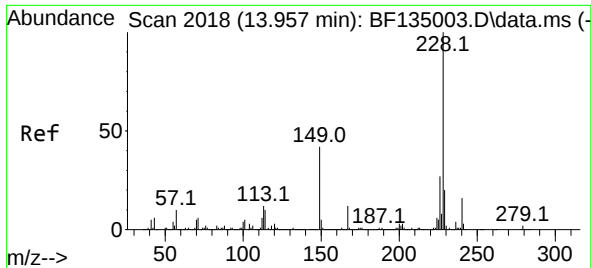
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 11.7 9.8 14.6

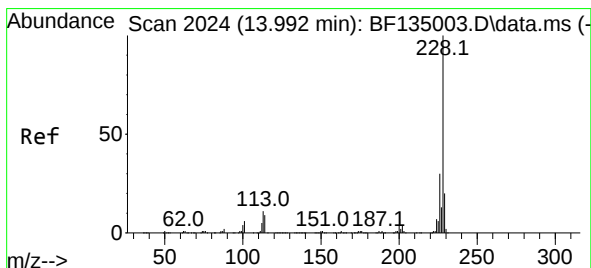
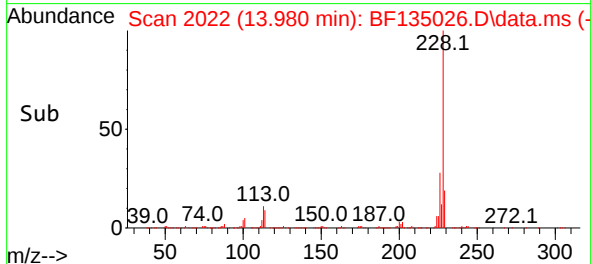
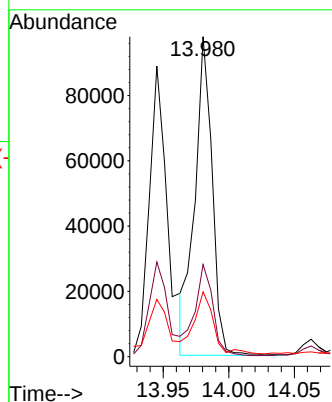
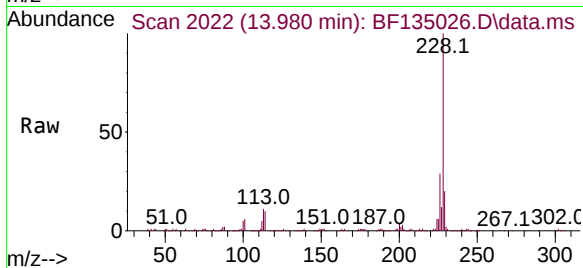




#81
Benzo(a)anthracene
Concen: 5.447 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.024 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

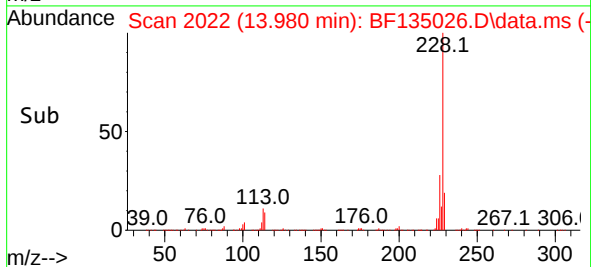
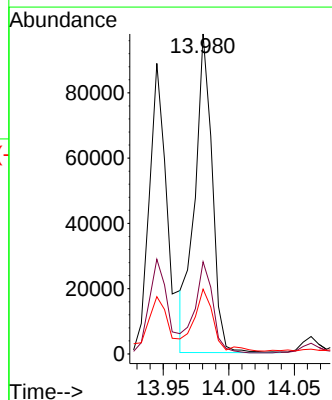
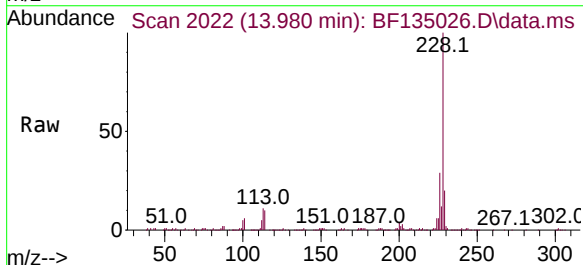
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22

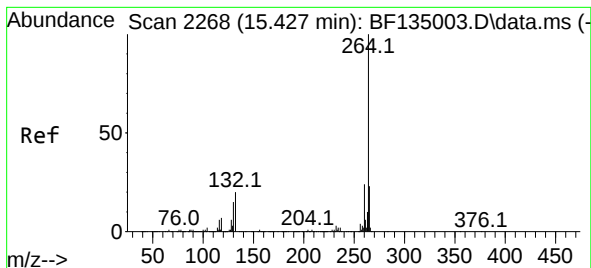
Tgt Ion:228 Resp: 90174
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 20.3 15.6 23.4



#83
Chrysene
Concen: 5.543 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:228 Resp: 90174
Ion Ratio Lower Upper
228 100
226 28.8 24.2 36.4
229 20.3 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22

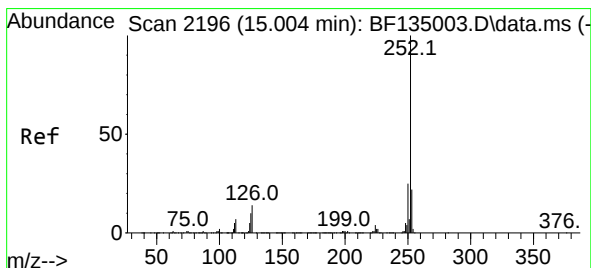
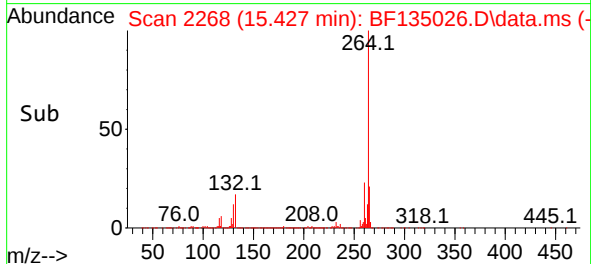
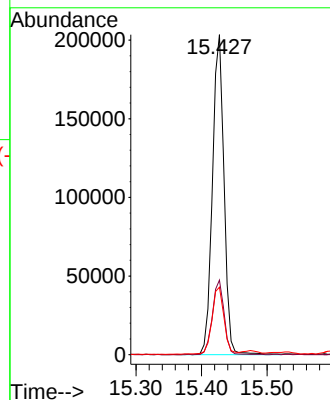
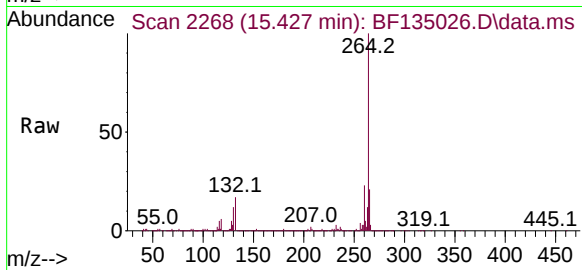
Tgt Ion:264 Resp: 250111

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.1 18.2 27.2



#88

Benzo(b)fluoranthene

Concen: 8.831 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

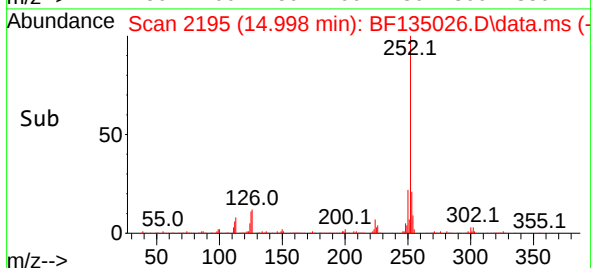
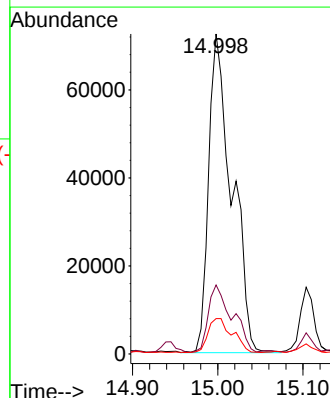
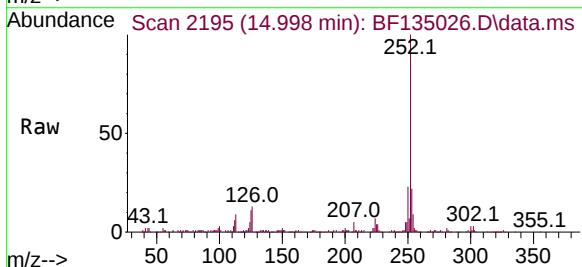
Tgt Ion:252 Resp: 137438

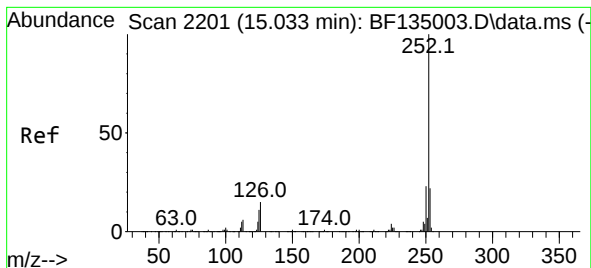
Ion Ratio Lower Upper

252 100

253 21.5 17.8 26.8

125 11.0 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 9.141 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22

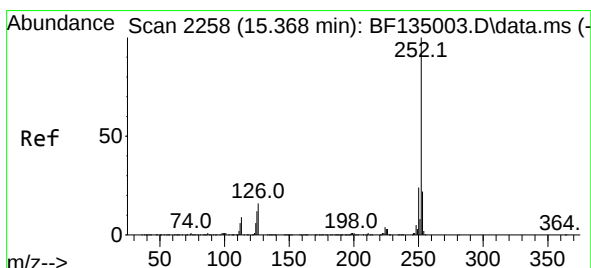
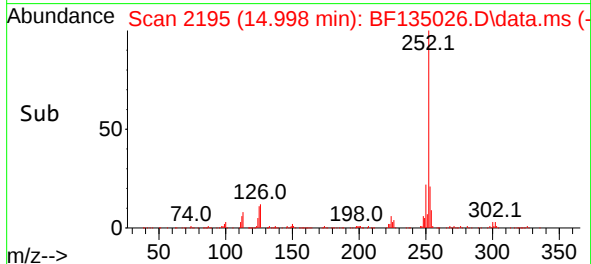
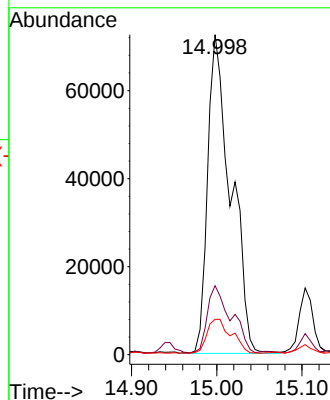
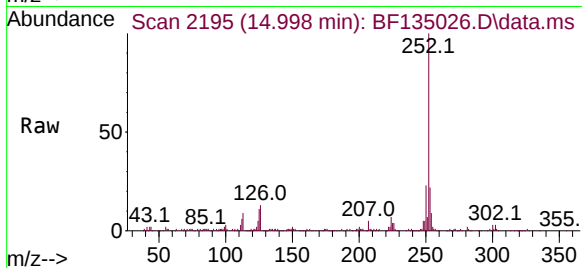
Tgt Ion:252 Resp: 137438

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 11.0 8.5 12.7



#90

Benzo(a)pyrene

Concen: 4.848 ng

RT: 15.363 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

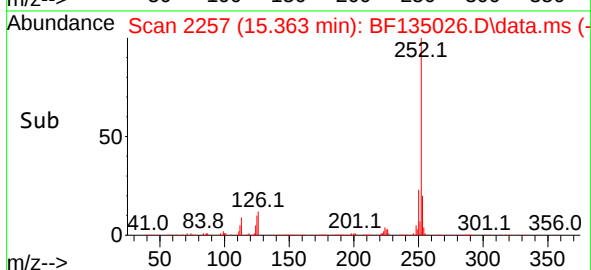
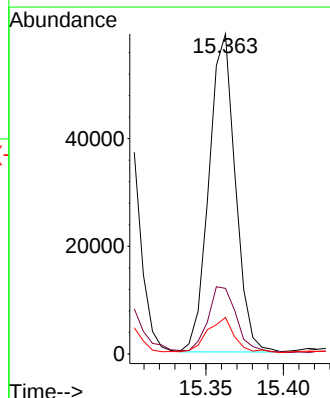
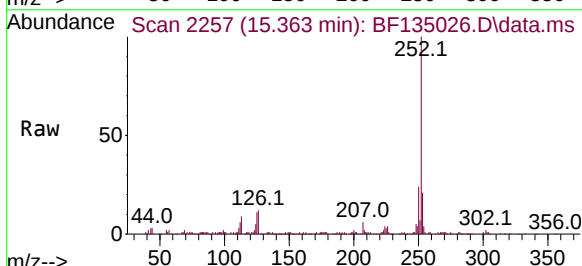
Tgt Ion:252 Resp: 70083

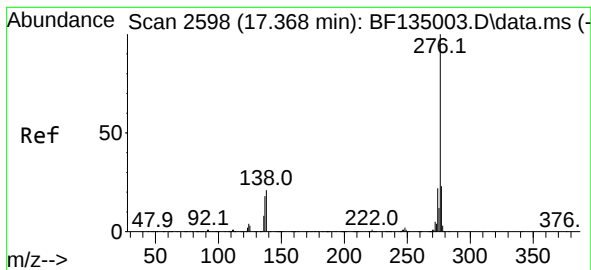
Ion Ratio Lower Upper

252 100

253 20.5 17.4 26.0

125 11.4 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 2.230 ng

RT: 17.345 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF135026.D

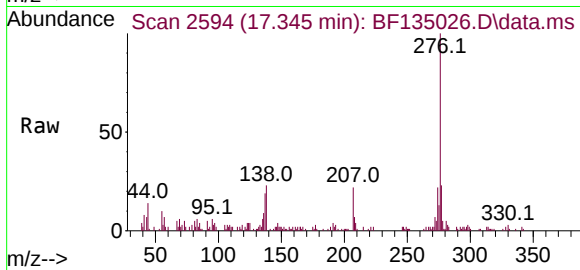
Acq: 31 Aug 2023 02:56

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22



Tgt Ion: 276 Resp: 31651

Ion Ratio Lower Upper

276 100

277 23.5 18.5 27.7

138 22.8 17.1 25.7

