

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135825.D
 Acq On : 17 Oct 2023 22:03
 Operator : CG\JU
 Sample : 04878-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 283

Quant Time: Oct 18 02:03:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

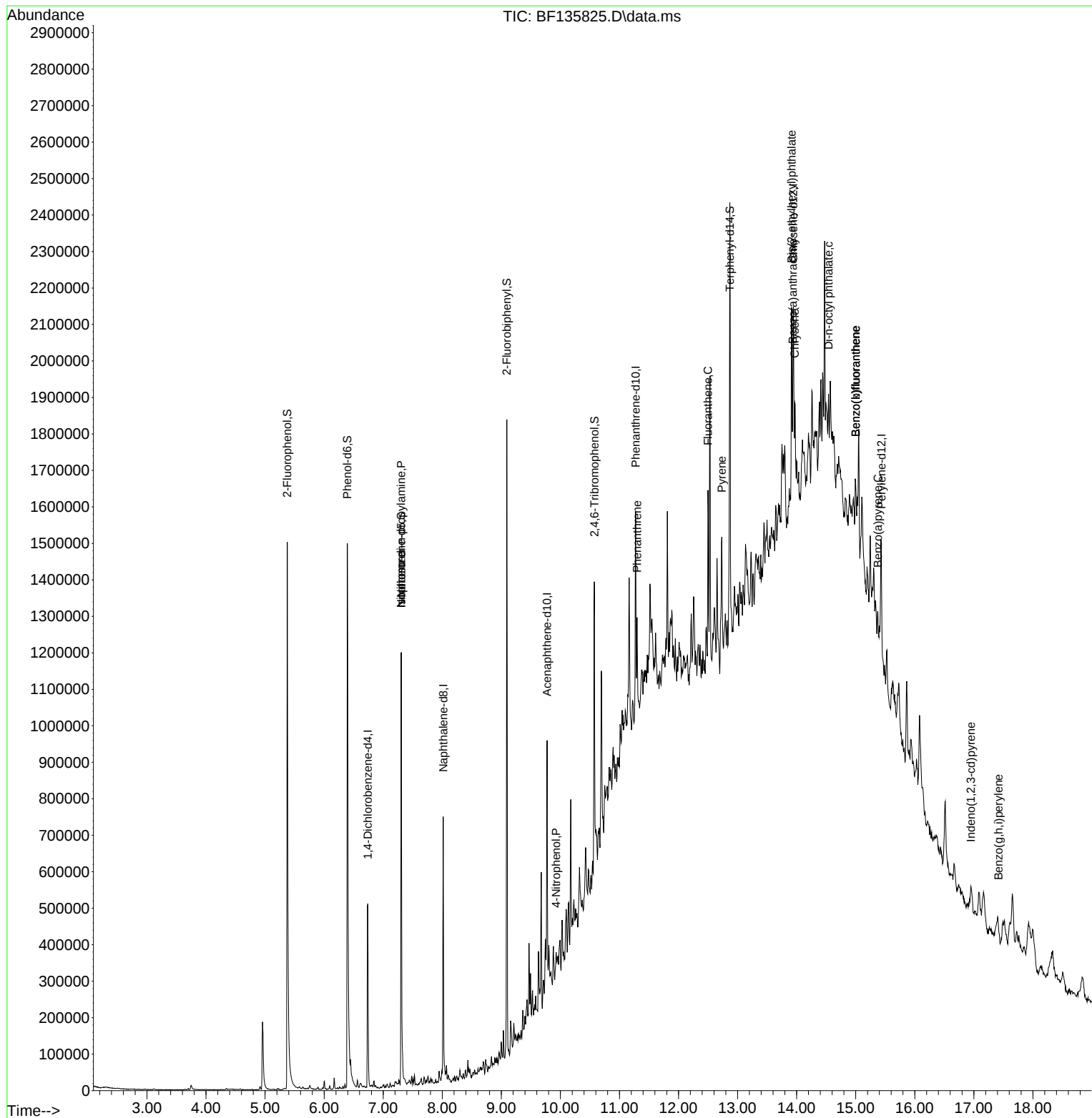
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	82838	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	284157	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	117896	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	190715	20.000	ng	0.00
76) Chrysene-d12	13.945	240	173361	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	156033	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	471698	91.549	ng	0.00
7) Phenol-d6	6.393	99	572733	89.089	ng	0.00
23) Nitrobenzene-d5	7.304	82	341132	66.027	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	100569	88.896	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	496987	65.909	ng	-0.01
79) Terphenyl-d14	12.869	244	439692	46.970	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	45611	11.474	ng	# 72
25) Isophorone	7.304	82	341132	34.998	ng	# 66
56) 4-Nitrophenol	9.928	139	358	5.839	ng	# 1
71) Phenanthrene	11.298	178	85530	9.362	ng	# 95
75) Fluoranthene	12.498	202	181810	17.930	ng	98
78) Pyrene	12.733	202	160825	11.674	ng	98
81) Benzo(a)anthracene	13.933	228	73749	6.477	ng	95
83) Chrysene	13.969	228	88232	8.000	ng	# 96
84) Bis(2-ethylhexyl)phtha...	13.916	149	178828	21.795	ng	# 96
85) Di-n-octyl phthalate	14.539	149	48468	3.725	ng	# 70
87) Indeno(1,2,3-cd)pyrene	16.951	276	31288	3.680	ng	95
88) Benzo(b)fluoranthene	14.998	252	124726	14.283	ng	# 76
89) Benzo(k)fluoranthene	14.998	252	124726	14.712	ng	# 74
90) Benzo(a)pyrene	15.374	252	50273	6.122	ng	# 62
92) Benzo(g,h,i)perylene	17.415	276	33834	4.726	ng	95

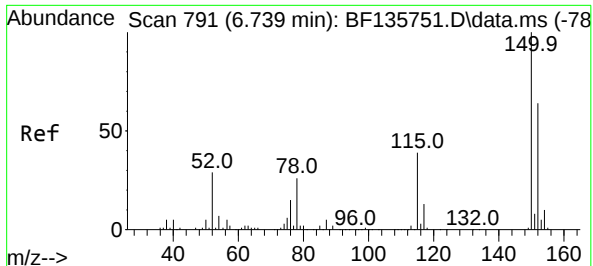
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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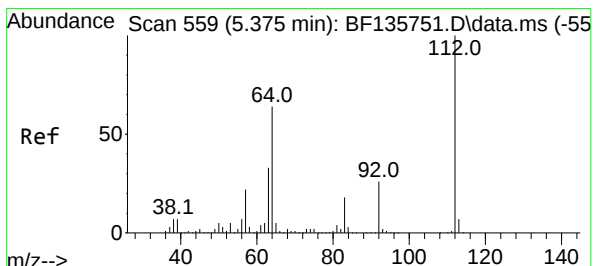
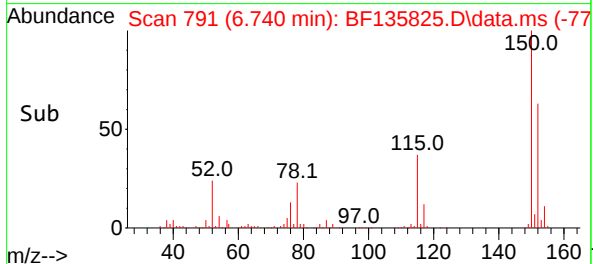
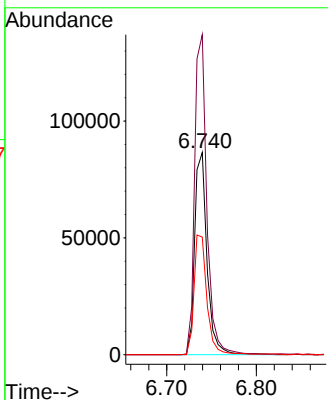
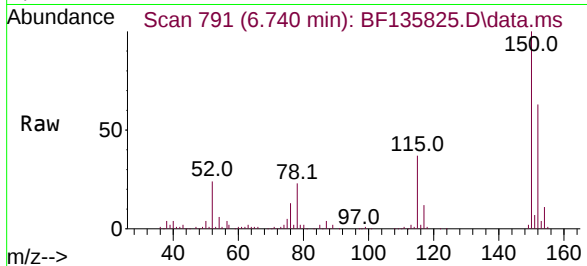




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

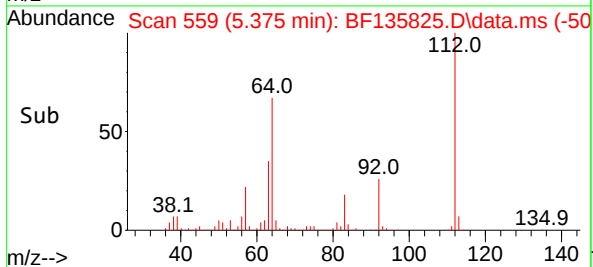
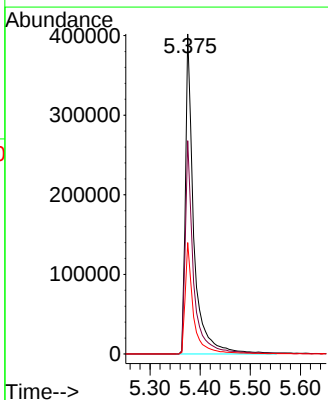
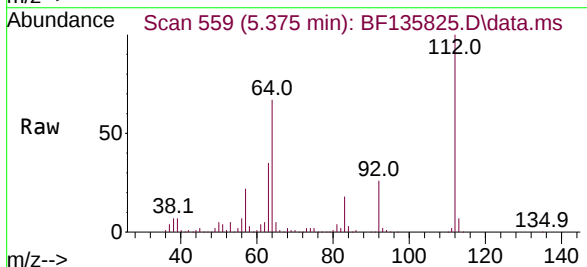
Instrument :
BNA_F
ClientSampleId :
283

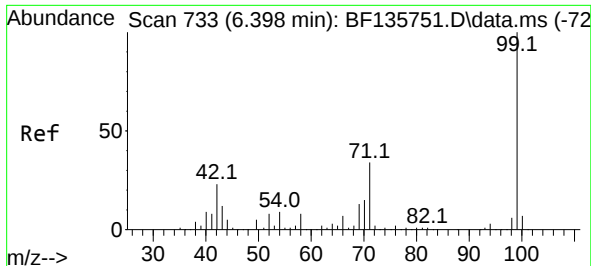
Tgt Ion:152 Resp: 82838
Ion Ratio Lower Upper
152 100
150 158.2 124.5 186.7
115 58.2 49.0 73.4



#5
2-Fluorophenol
Concen: 91.549 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.000 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion:112 Resp: 471698
Ion Ratio Lower Upper
112 100
64 66.7 51.2 76.8
63 34.8 26.1 39.1

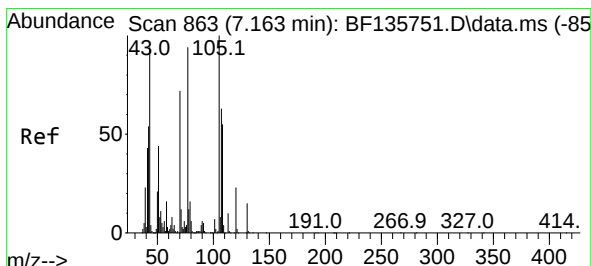
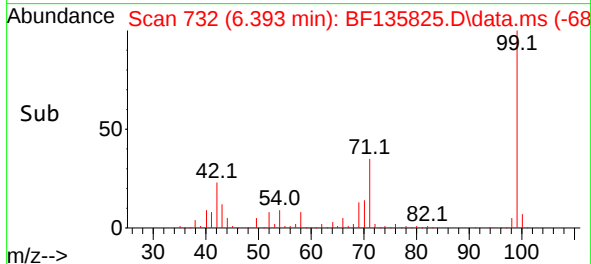
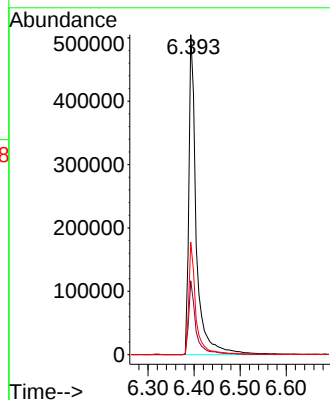
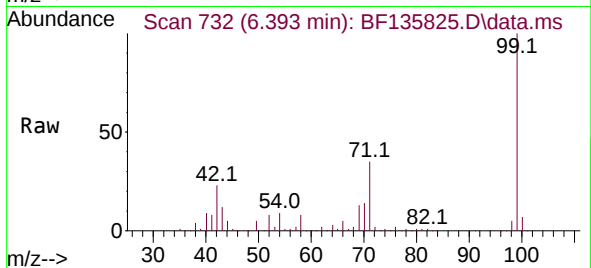




#7
Phenol-d6
Concen: 89.089 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

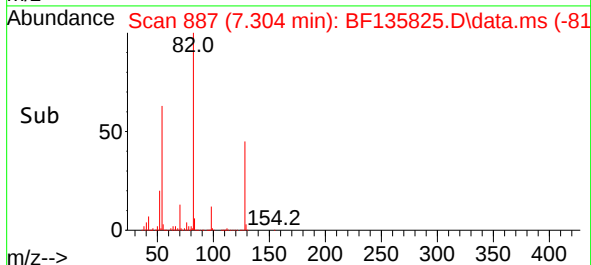
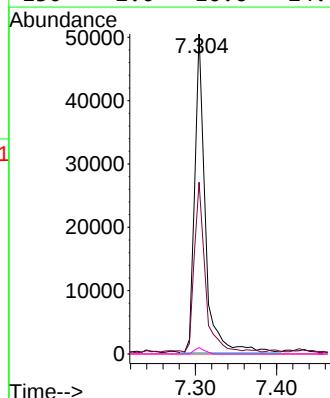
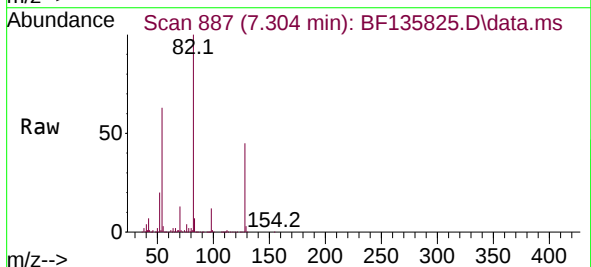
Instrument :
BNA_F
ClientSampleId :
283

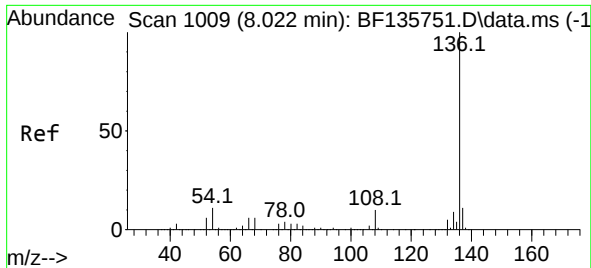
Tgt Ion: 99 Resp: 572733
Ion Ratio Lower Upper
99 100
42 23.1 18.4 27.6
71 35.1 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.474 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion: 70 Resp: 45611
Ion Ratio Lower Upper
70 100
42 53.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.0 16.6 24.8#

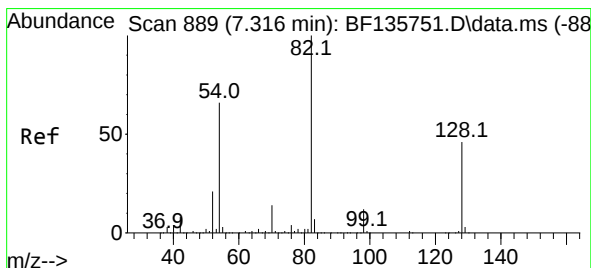
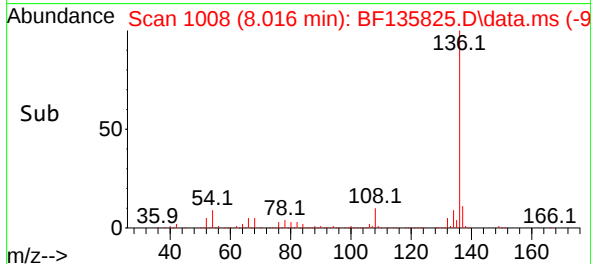
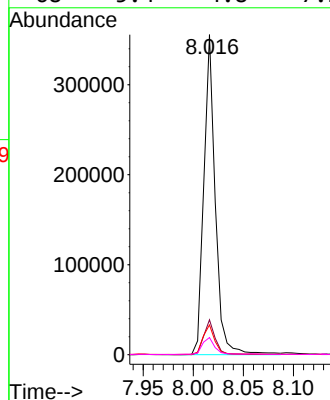
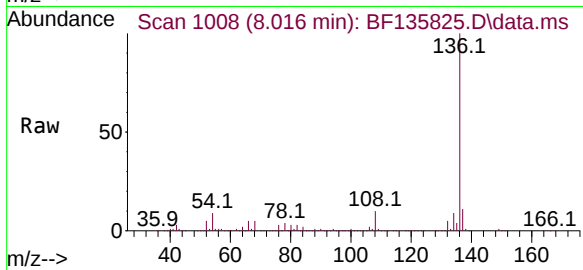




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

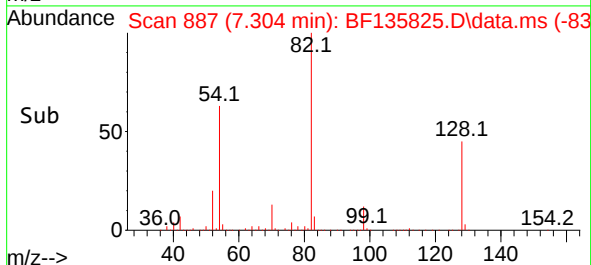
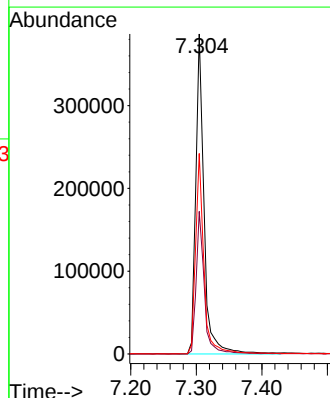
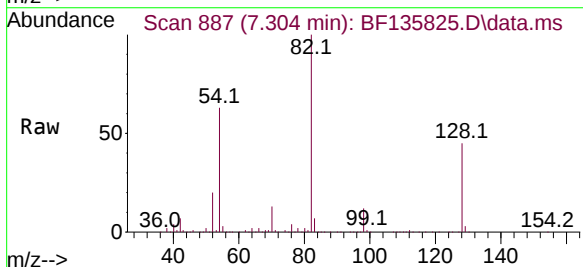
Instrument :
BNA_F
ClientSampleId :
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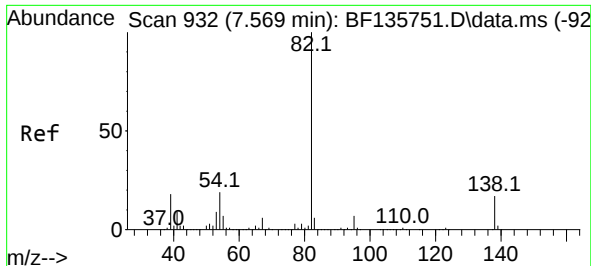
Tgt Ion:	136	Resp:	284157
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.3	8.5	12.7
68	5.4	4.8	7.2



#23
Nitrobenzene-d5
Concen: 66.027 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion:	82	Resp:	341132
Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.0	55.6
54	62.6	52.8	79.2

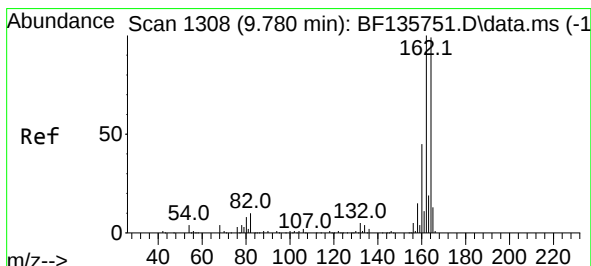
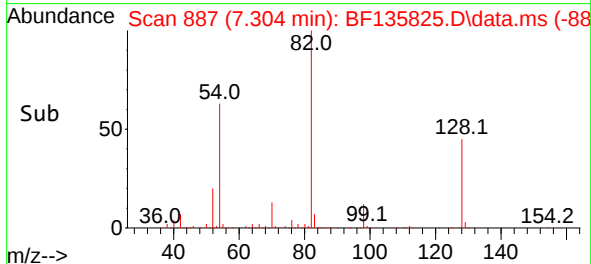
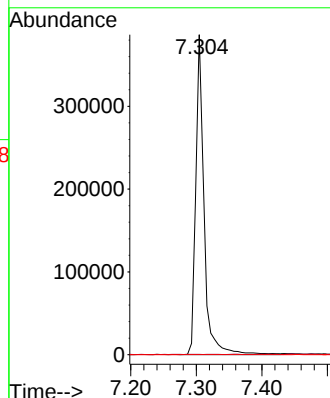
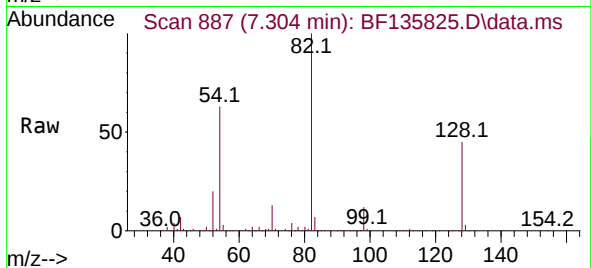




#25
Isophorone
Concen: 34.998 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

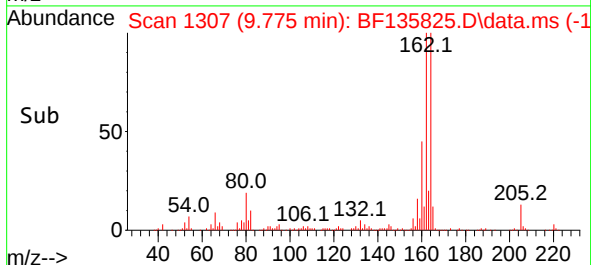
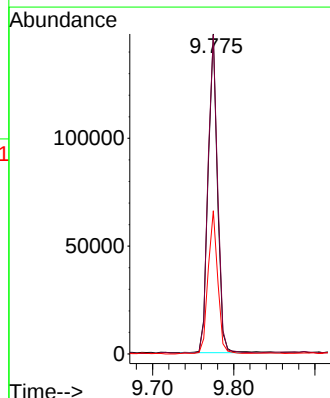
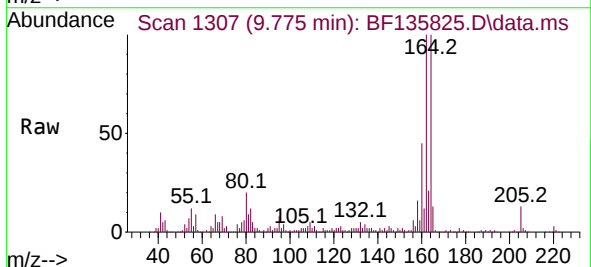
Instrument :
BNA_F
ClientSampleId :
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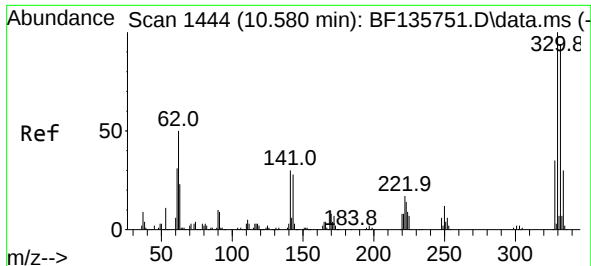
Tgt Ion: 82 Resp: 341132
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion: 164 Resp: 117896
Ion Ratio Lower Upper
164 100
162 99.7 80.8 121.2
160 44.7 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 88.896 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

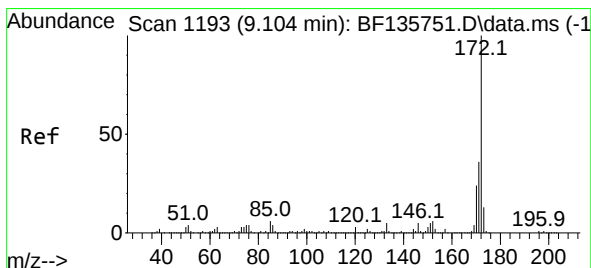
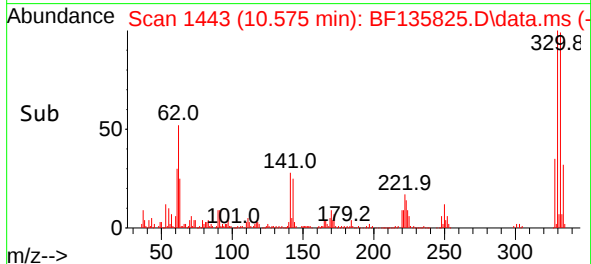
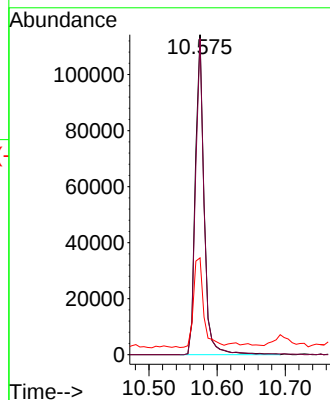
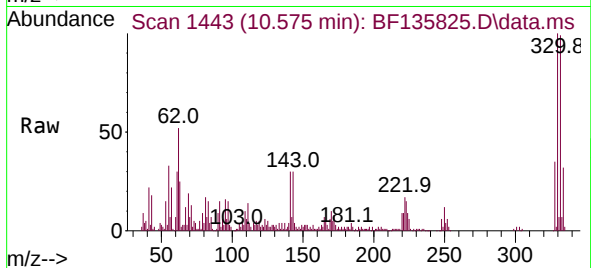
Tgt Ion:330 Resp: 100569

Ion Ratio Lower Upper

330 100

332 96.5 75.0 112.4

141 32.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 65.909 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

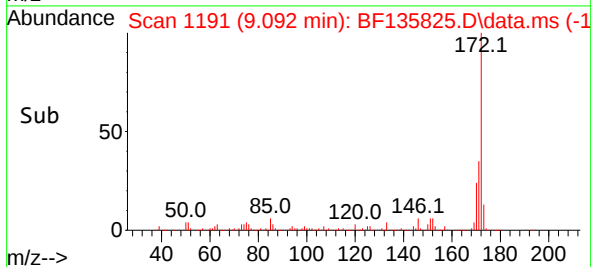
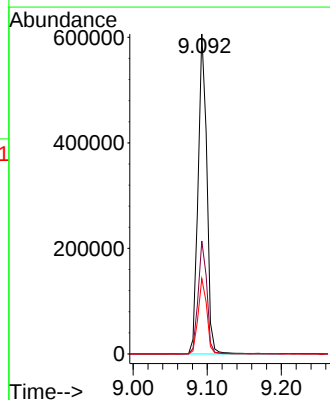
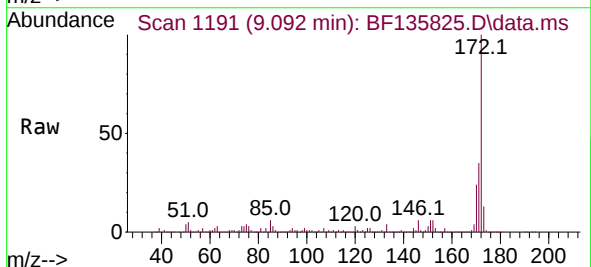
Tgt Ion:172 Resp: 496987

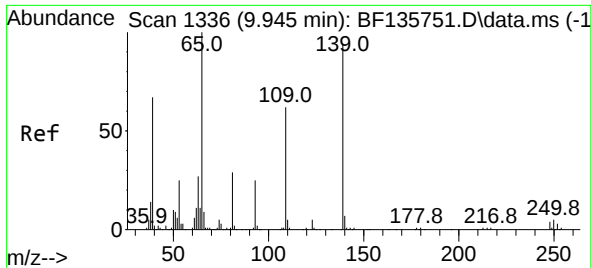
Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.5 18.8 28.2

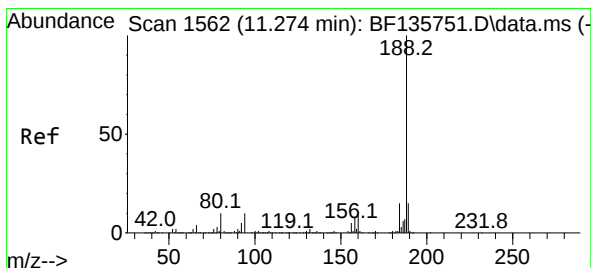
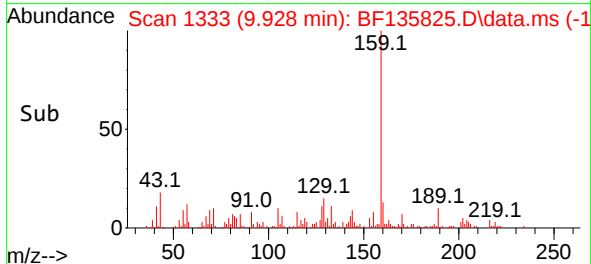
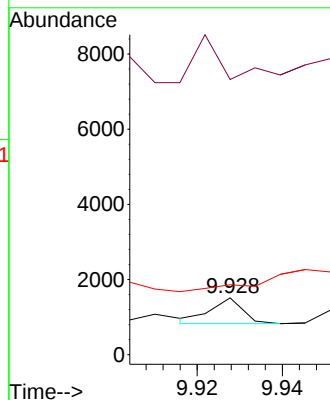
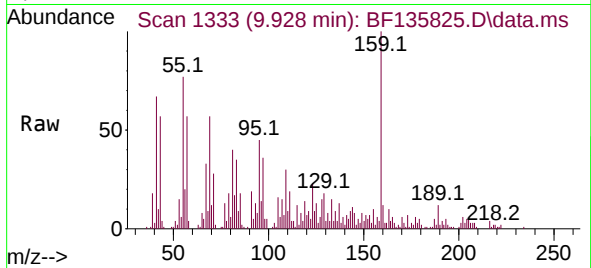




#56
4-Nitrophenol
Concen: 5.839 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

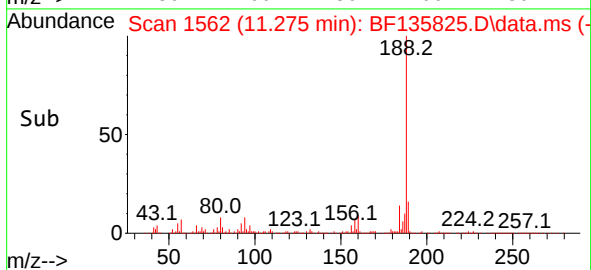
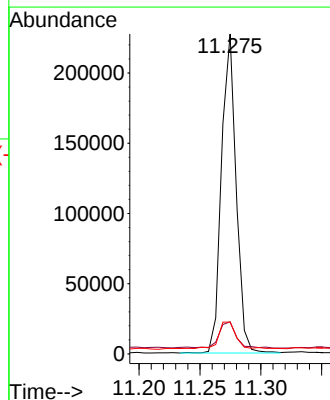
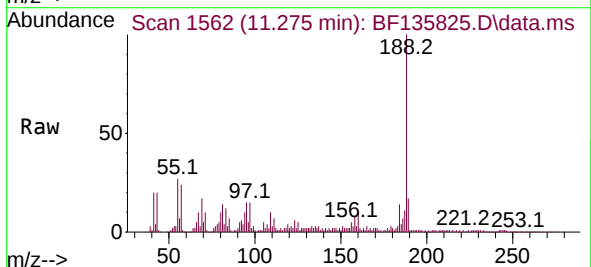
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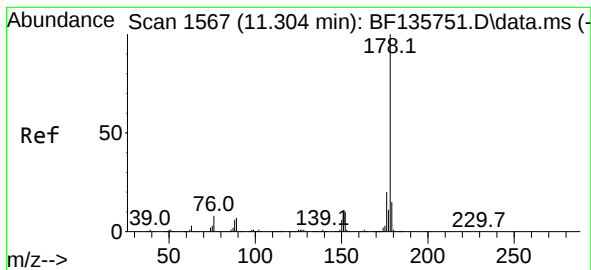
Tgt Ion:139 Resp: 358
Ion Ratio Lower Upper
139 100
109 484.1 45.6 85.6#
65 122.9 87.5 127.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion:188 Resp: 190715
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 9.9 8.3 12.5

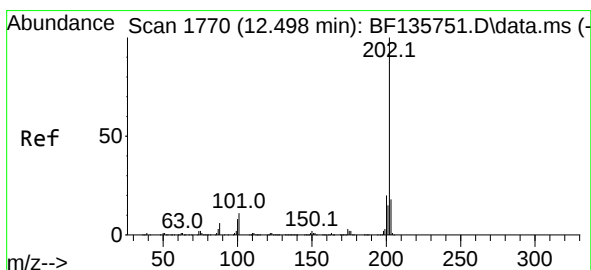
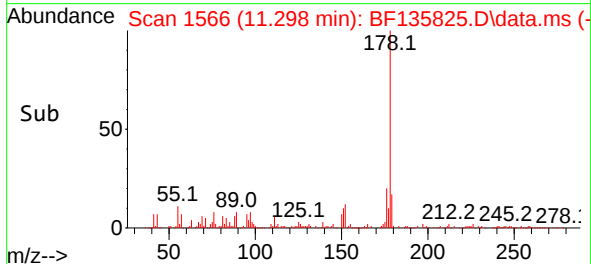
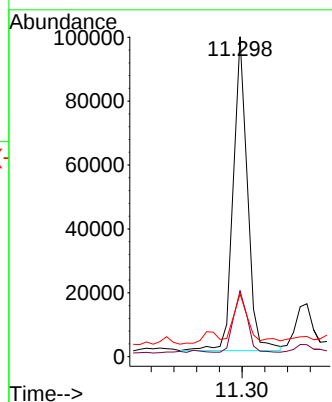
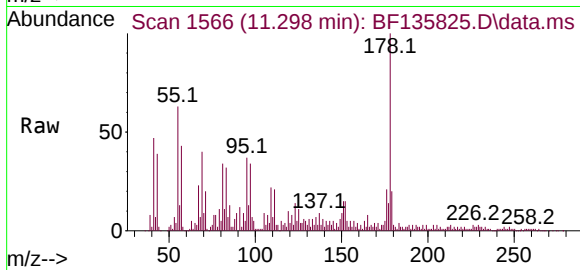




#71
Phenanthrene
Concen: 9.362 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

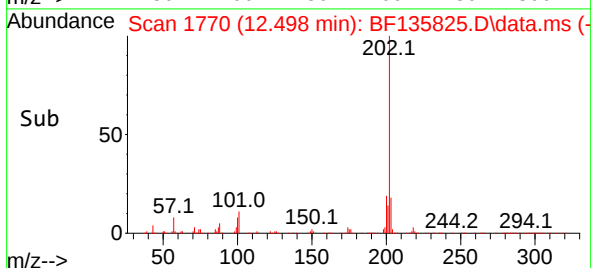
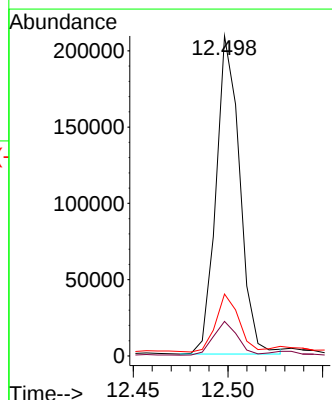
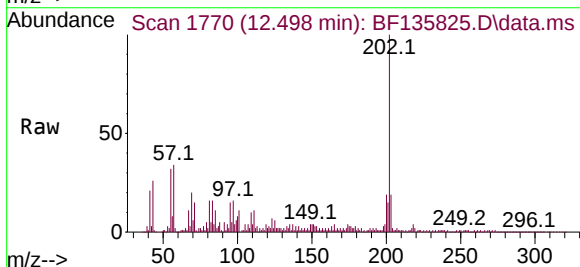
Instrument :
BNA_F
ClientSampleId :
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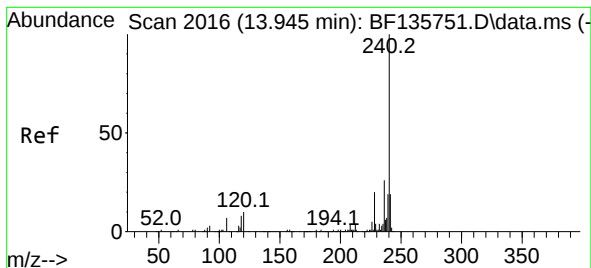
Tgt Ion:178 Resp: 85530
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 19.6 12.2 18.4#



#75
Fluoranthene
Concen: 17.930 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135825.D
Acq: 17 Oct 2023 22:03

Tgt Ion:202 Resp: 181810
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.5
203 19.3 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

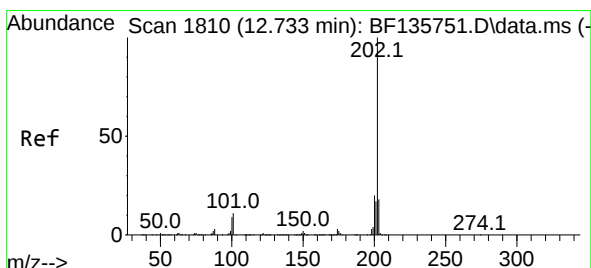
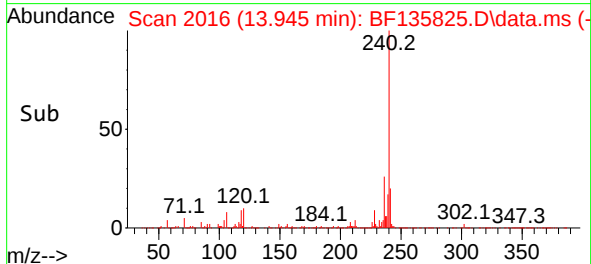
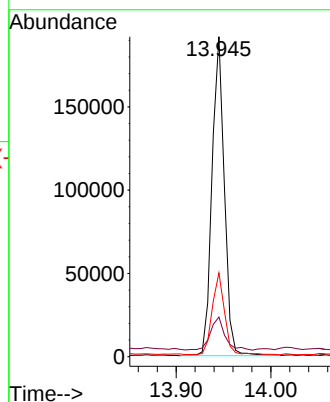
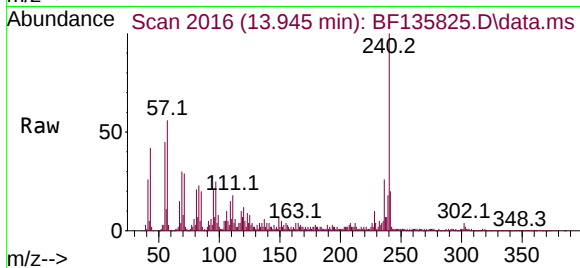
Tgt Ion:240 Resp: 173361

Ion Ratio Lower Upper

240 100

120 12.4 8.2 12.2#

236 26.2 21.2 31.8



#78

Pyrene

Concen: 11.674 ng

RT: 12.733 min Scan# 1810

Delta R.T. 0.000 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

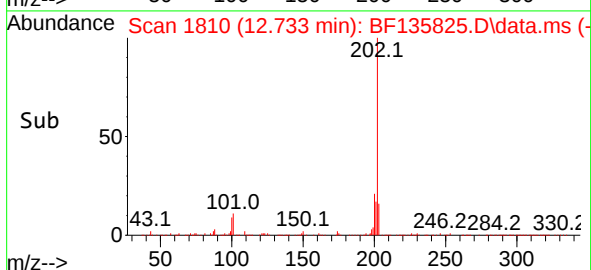
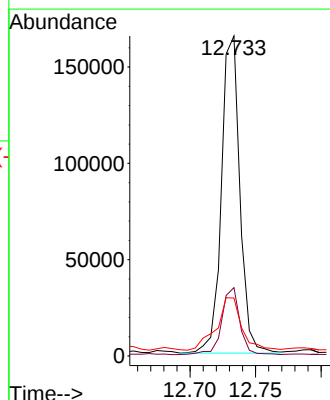
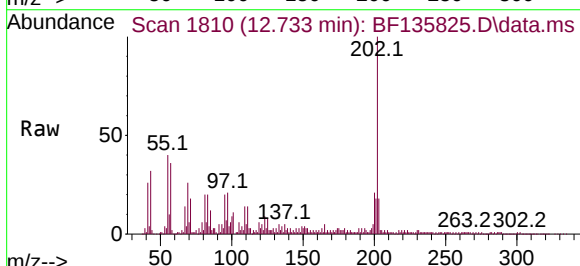
Tgt Ion:202 Resp: 160825

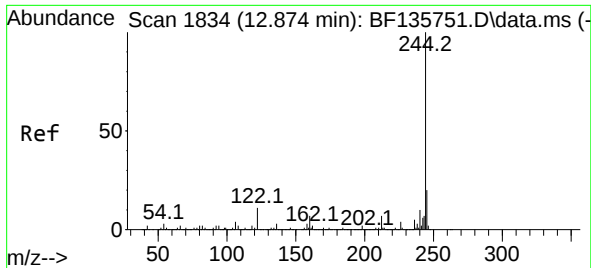
Ion Ratio Lower Upper

202 100

200 21.3 16.1 24.1

203 18.1 14.2 21.2

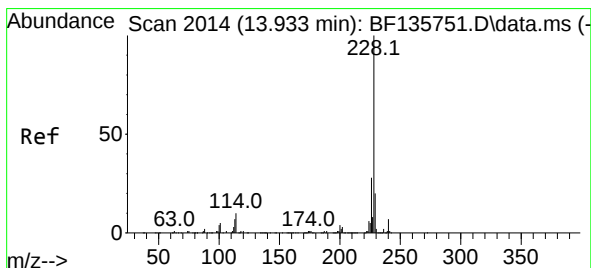
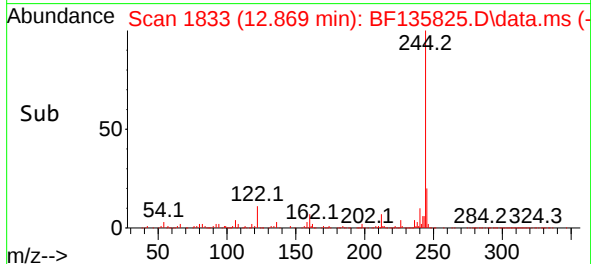
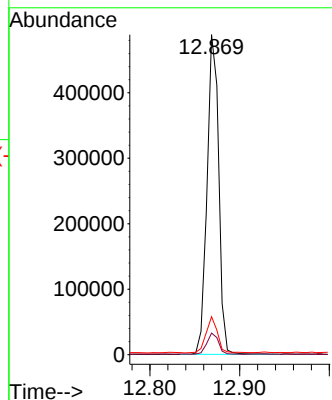
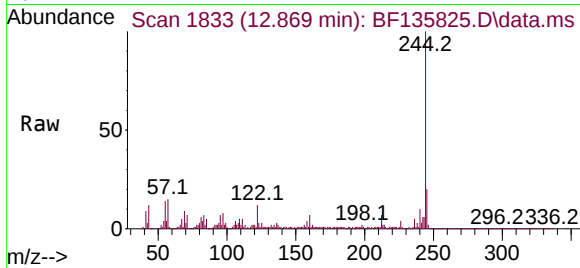




#79
 Terphenyl-d14
 Concen: 46.970 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135825.D
 Acq: 17 Oct 2023 22:03

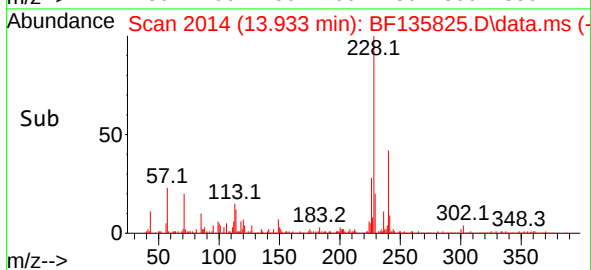
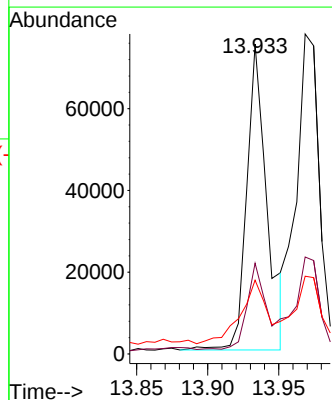
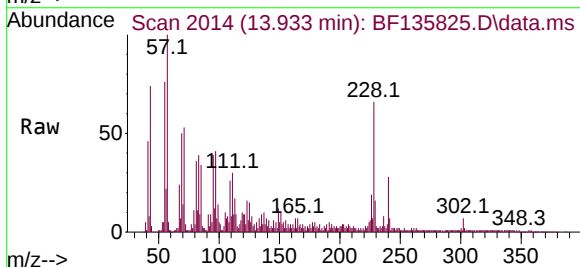
Instrument :
 BNA_F
 ClientSampleId :
 283

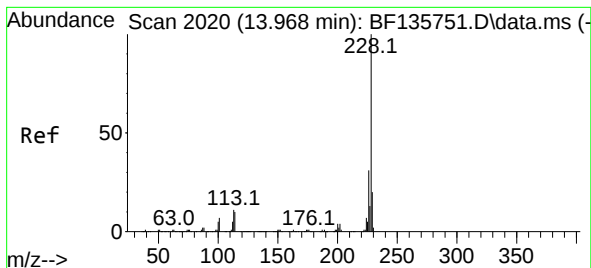
Tgt Ion:244 Resp: 439692
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.9 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 6.477 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135825.D
 Acq: 17 Oct 2023 22:03

Tgt Ion:228 Resp: 73749
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.2 33.2
 229 23.8 16.1 24.1





#83

Chrysene

Concen: 8.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

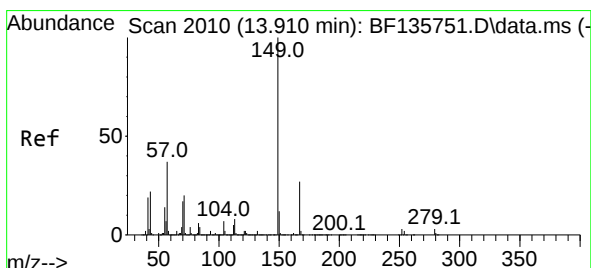
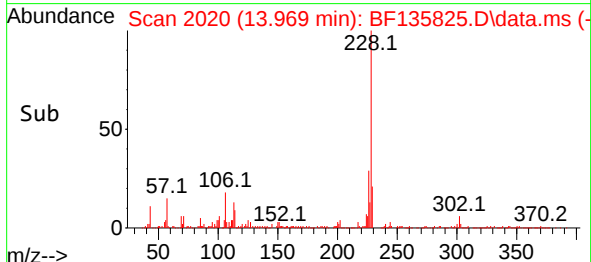
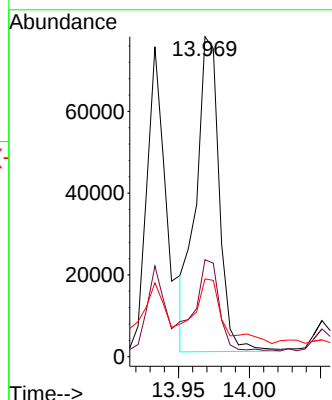
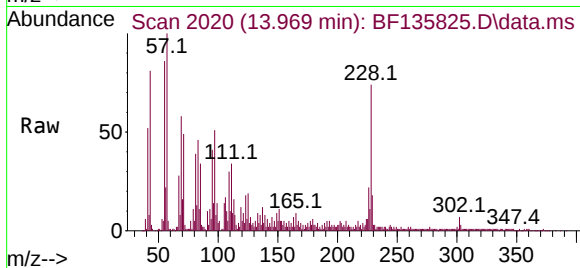
Tgt Ion:228 Resp: 88232

Ion Ratio Lower Upper

228 100

226 30.3 24.4 36.6

229 24.3 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.795 ng

RT: 13.916 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

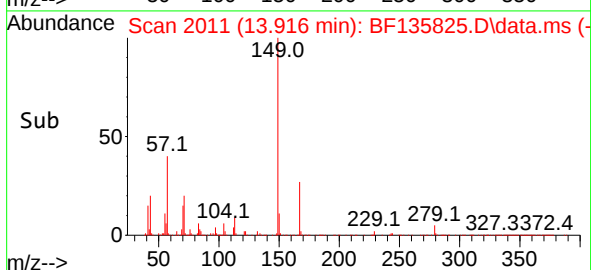
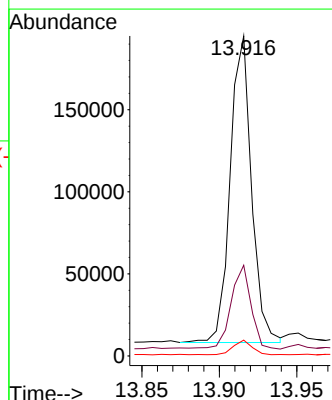
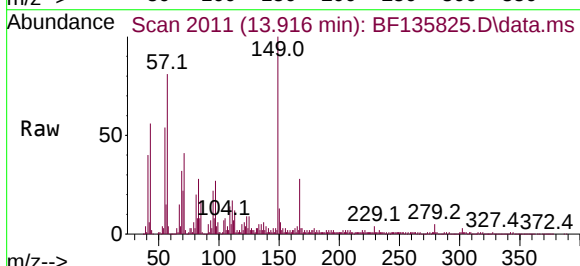
Tgt Ion:149 Resp: 178828

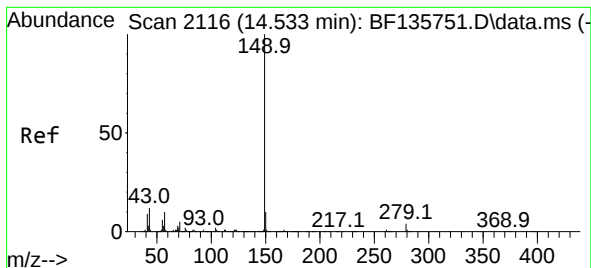
Ion Ratio Lower Upper

149 100

167 28.4 21.3 31.9

279 5.0 2.7 4.1#





#85

Di-n-octyl phthalate

Concen: 3.725 ng

RT: 14.539 min Scan# 2116

Delta R.T. 0.006 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

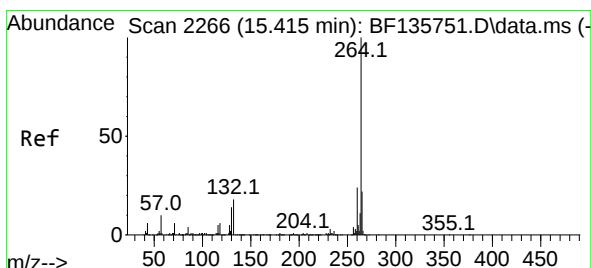
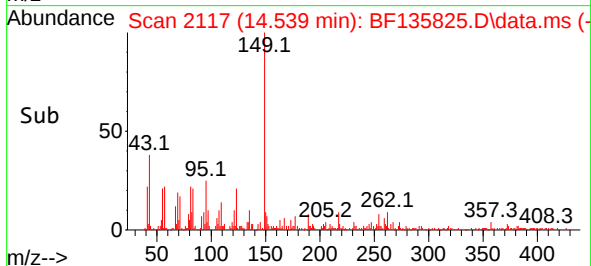
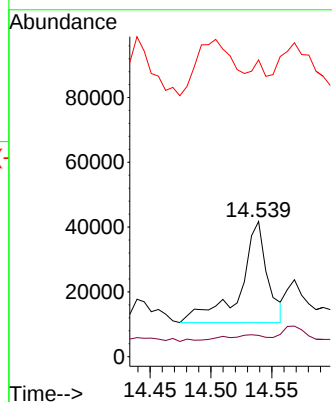
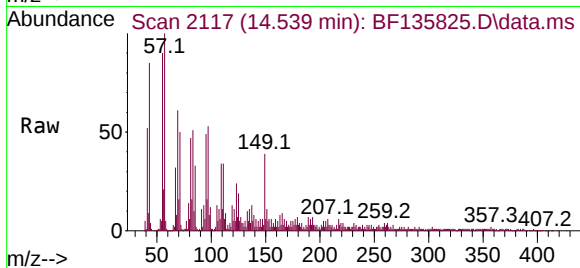
Tgt Ion:149 Resp: 48468

Ion Ratio Lower Upper

149 100

167 7.7 1.2 1.8#

43 0.0 10.1 15.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.012 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

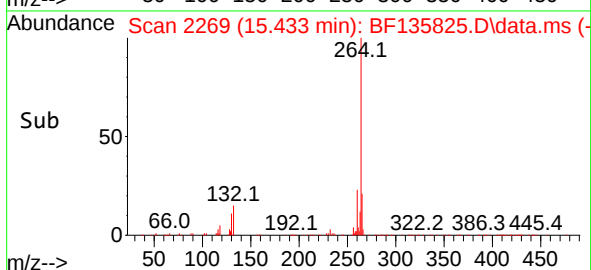
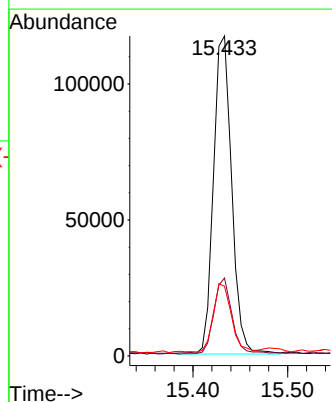
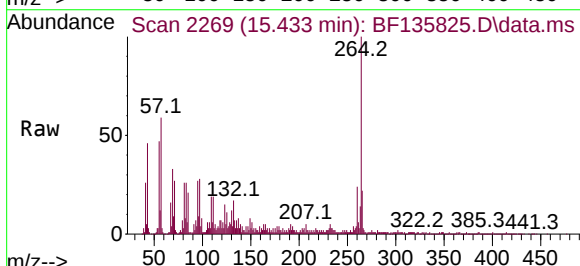
Tgt Ion:264 Resp: 156033

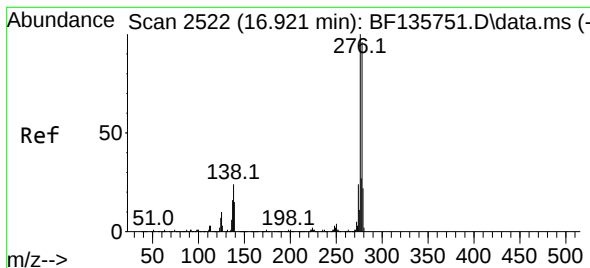
Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.680 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

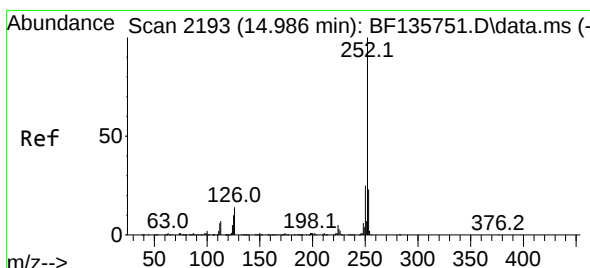
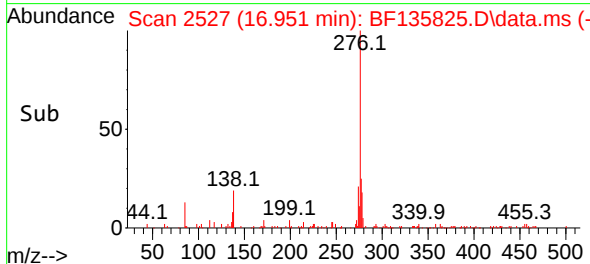
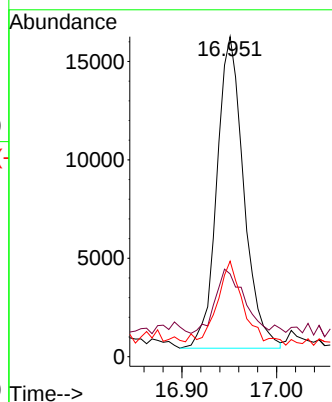
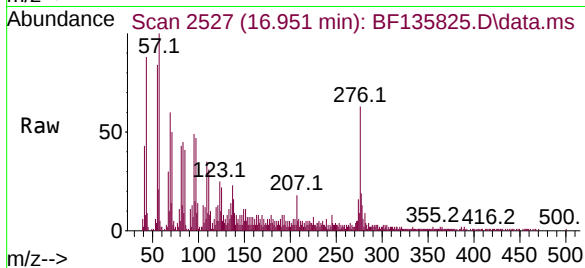
Tgt Ion:276 Resp: 31288

Ion Ratio Lower Upper

276 100

138 21.8 19.8 29.6

277 27.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 14.283 ng

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

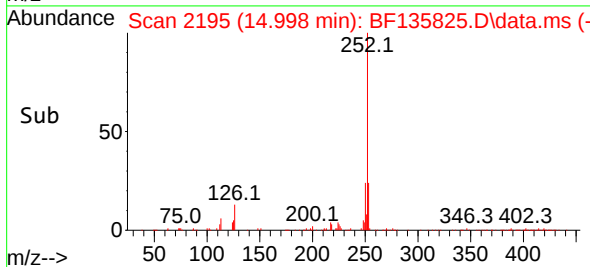
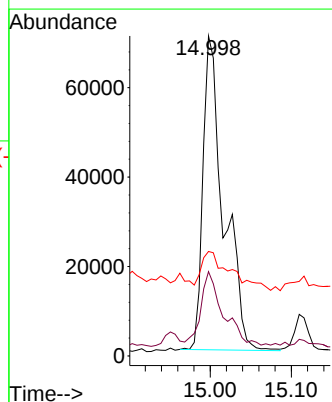
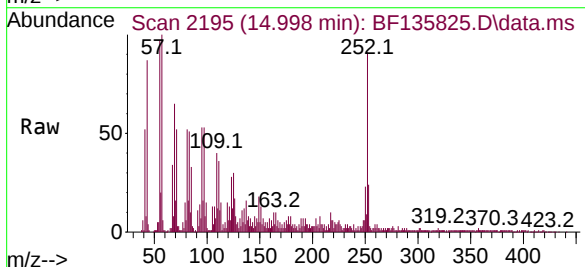
Tgt Ion:252 Resp: 124726

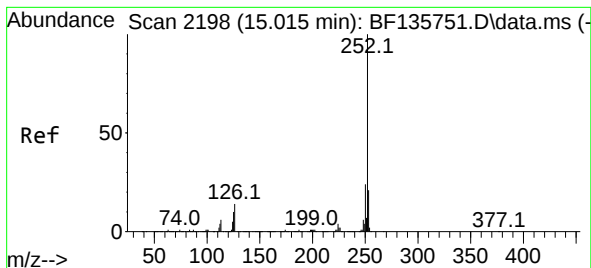
Ion Ratio Lower Upper

252 100

253 26.3 18.2 27.2

125 32.7 8.2 12.2#





#89

Benzo(k)fluoranthene

Concen: 14.712 ng

RT: 14.998 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

Instrument :

BNA_F

ClientSampleId :

283

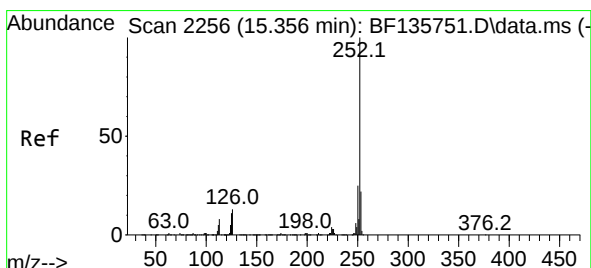
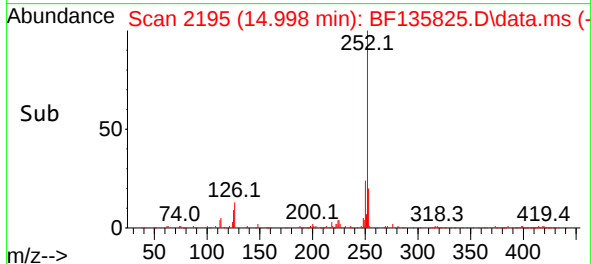
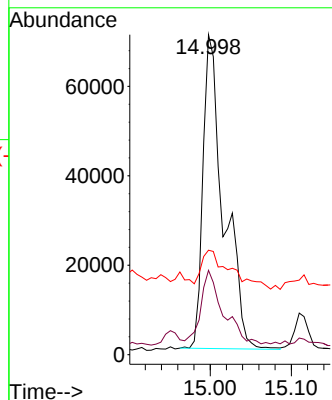
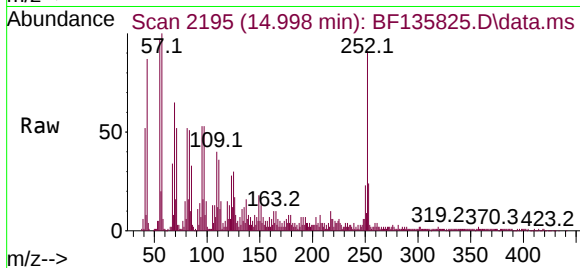
Tgt Ion:252 Resp: 124726

Ion Ratio Lower Upper

252 100

253 26.3 17.4 26.0#

125 32.7 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 6.122 ng

RT: 15.374 min Scan# 2259

Delta R.T. 0.012 min

Lab File: BF135825.D

Acq: 17 Oct 2023 22:03

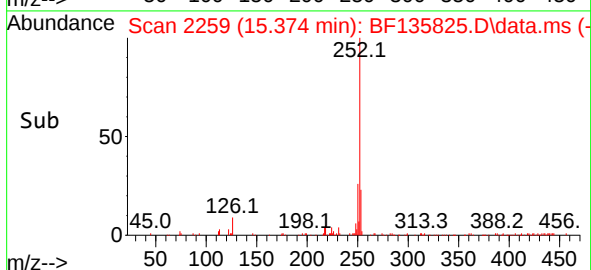
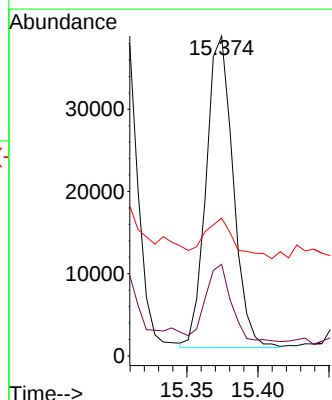
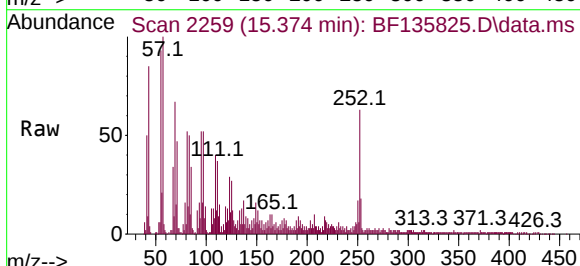
Tgt Ion:252 Resp: 50273

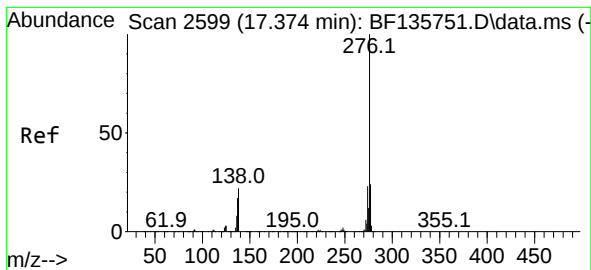
Ion Ratio Lower Upper

252 100

253 28.6 17.4 26.2#

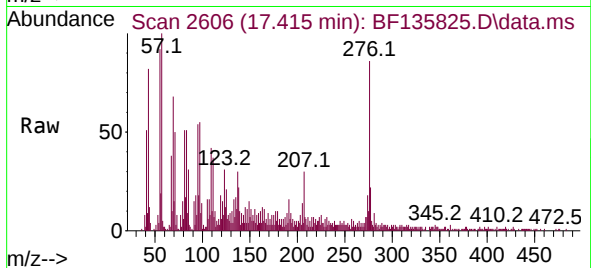
125 43.1 8.8 13.2#





#92
 Benzo(g,h,i)perylene
 Concen: 4.726 ng
 RT: 17.415 min Scan# 20
 Delta R.T. 0.029 min
 Lab File: BF135825.D
 Acq: 17 Oct 2023 22:03

Instrument :
 BNA_F
 ClientSampleId :
 283



Tgt Ion:	276	Resp:	33834
Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.4	29.2
138	25.1	17.3	25.9

