

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137275.D
 Acq On : 05 Feb 2024 13:39
 Operator : CG\JU
 Sample : P1334-03 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 05 14:00:03 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

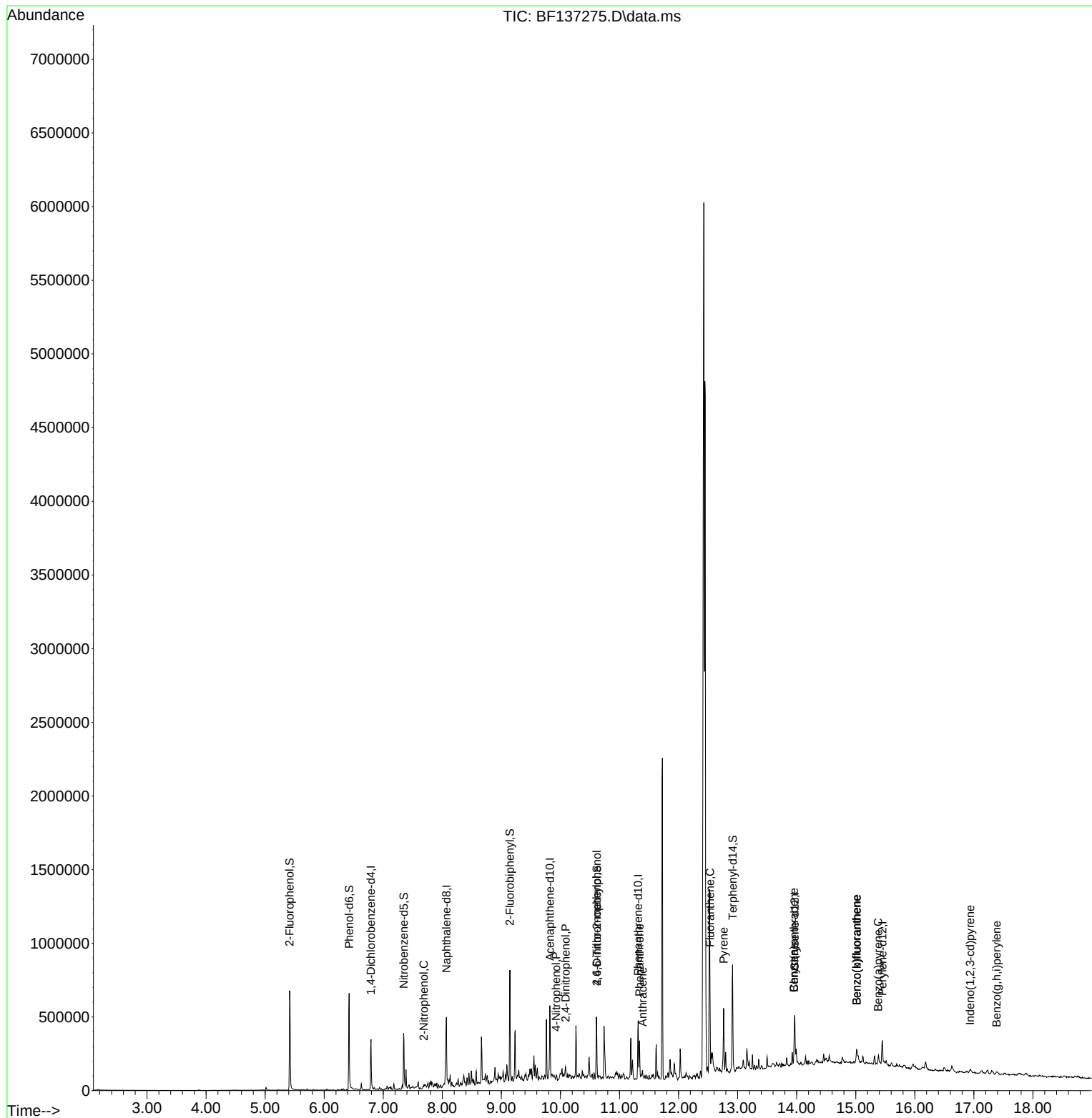
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	49887	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	179998	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	86778	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	159911	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	111038	20.000	ng	0.00
86) Perylene-d12	15.451	264	88972	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	174210	57.622	ng	0.00
7) Phenol-d6	6.422	99	212924	49.350	ng	0.00
23) Nitrobenzene-d5	7.345	82	134754	33.518	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	47300	48.264	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	212061	33.593	ng	0.00
79) Terphenyl-d14	12.915	244	262994	32.199	ng	0.00
Target Compounds						
						Qvalue
26) 2-Nitrophenol	7.686	139	54	2.484	ng	# 1
54) 2,4-Dinitrophenol	10.086	184	53	11.630	ng	# 39
56) 4-Nitrophenol	9.927	139	1065	9.396	ng	# 49
65) 4,6-Dinitro-2-methylph...	10.616	198	66	5.524	ng	# 1
71) Phenanthrene	11.339	178	93026	11.112	ng	99
72) Anthracene	11.392	178	20010	2.293	ng	97
75) Fluoranthene	12.533	202	178971	20.430	ng	99
78) Pyrene	12.763	202	157974	14.804	ng	99
81) Benzo(a)anthracene	13.957	228	55086	7.005	ng	94
83) Chrysene	13.957	228	55086	7.125	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	20361	3.257	ng	91
88) Benzo(b)fluoranthene	15.015	252	63640	11.631	ng	# 90
89) Benzo(k)fluoranthene	15.015	252	63640	10.994	ng	# 89
90) Benzo(a)pyrene	15.380	252	34011	6.605	ng	# 95
92) Benzo(g,h,i)perylene	17.386	276	18610	3.786	ng	# 95

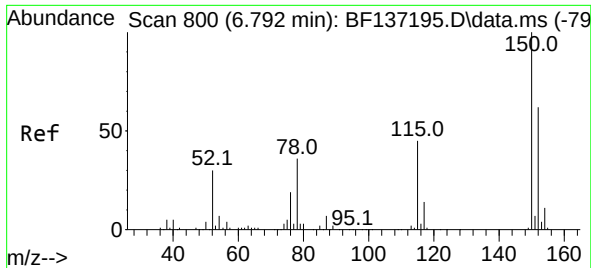
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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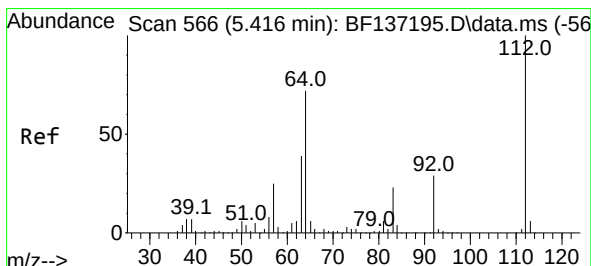
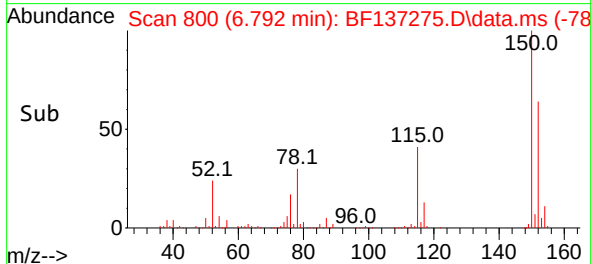
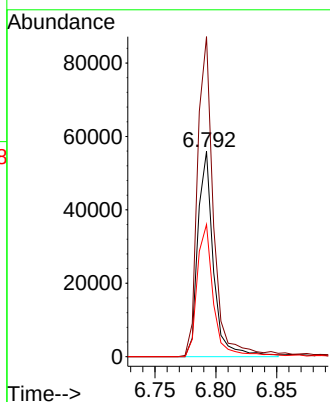
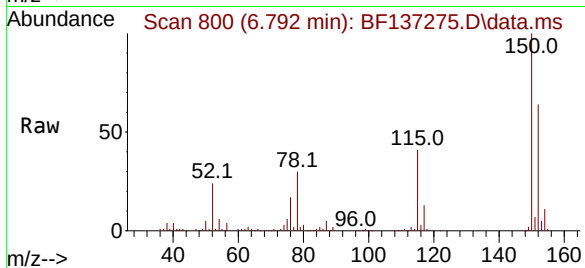




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

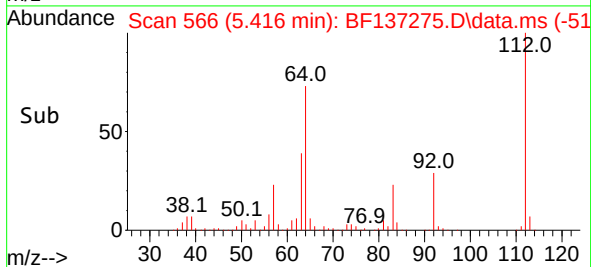
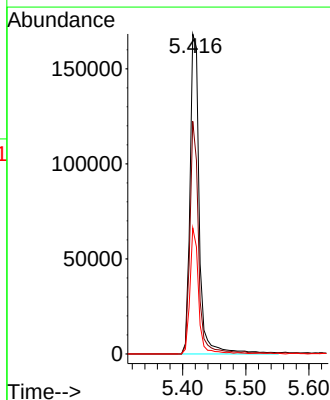
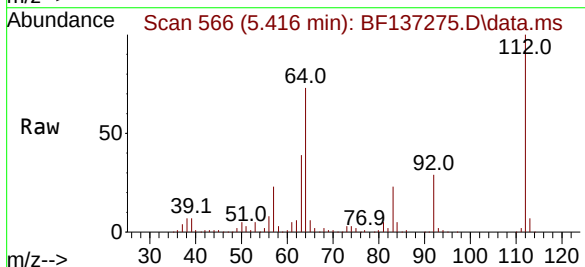
Instrument :
BNA_F
ClientSampleId :

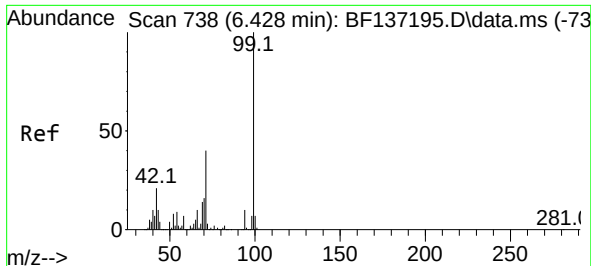
Tgt Ion:152 Resp: 49887
Ion Ratio Lower Upper
152 100
150 155.9 129.8 194.8
115 64.4 58.5 87.7



#5
2-Fluorophenol
Concen: 57.622 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.000 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion:112 Resp: 174210
Ion Ratio Lower Upper
112 100
64 72.7 57.8 86.6
63 39.4 31.4 47.0

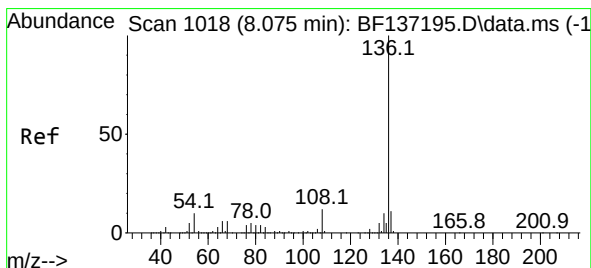
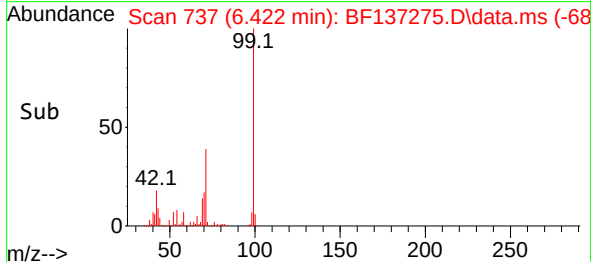
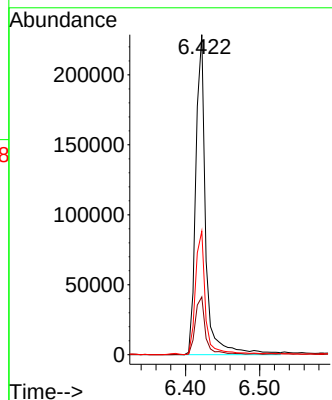
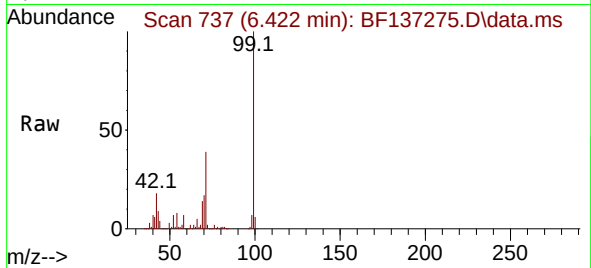




#7
Phenol-d6
Concen: 49.350 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

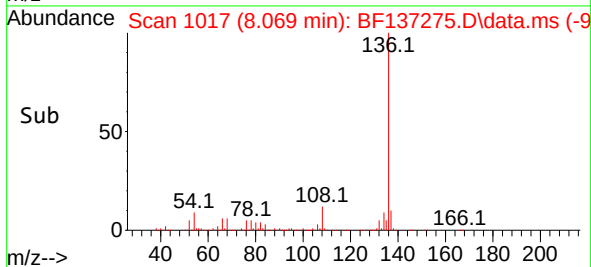
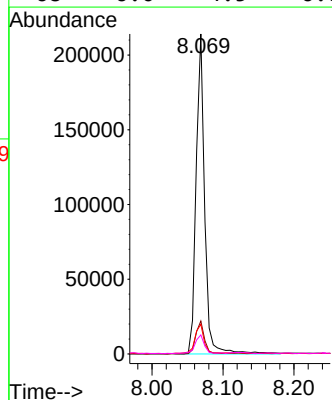
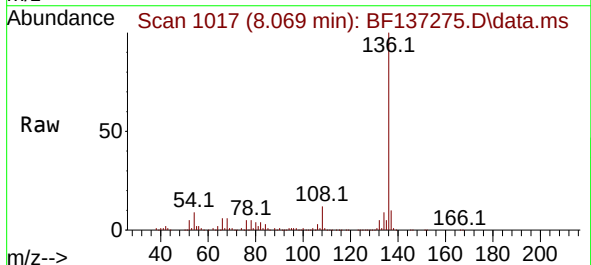
Instrument :
BNA_F
ClientSampleId :

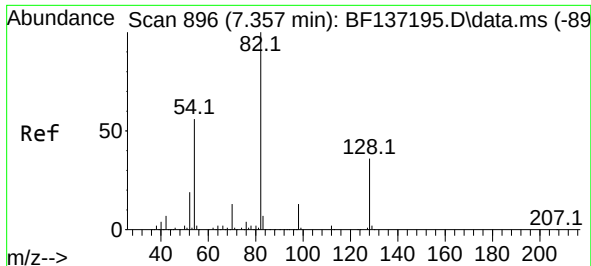
Tgt Ion: 99 Resp: 212924
Ion Ratio Lower Upper
99 100
42 18.0 16.4 24.6
71 38.6 32.4 48.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion: 136 Resp: 179998
Ion Ratio Lower Upper
136 100
137 10.3 8.9 13.3
54 9.3 7.8 11.8
68 6.0 4.5 6.7

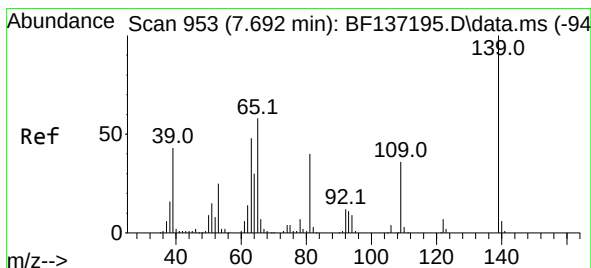
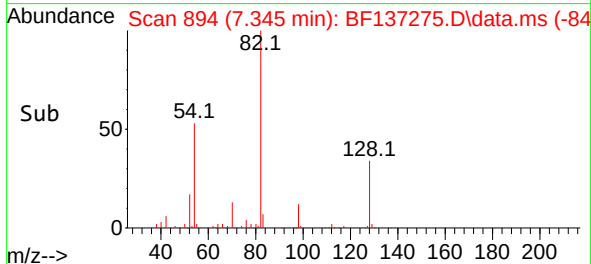
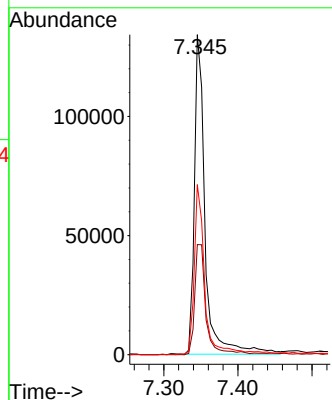
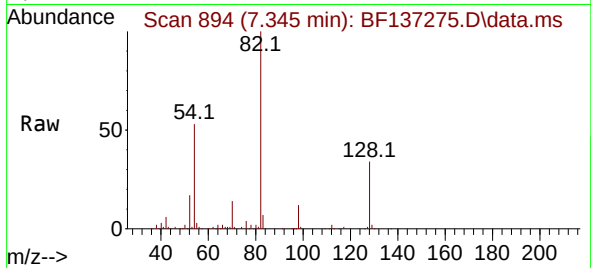




#23
Nitrobenzene-d5
Concen: 33.518 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

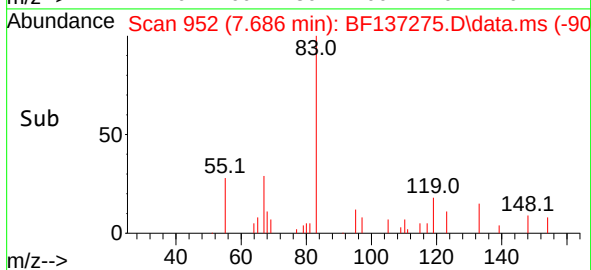
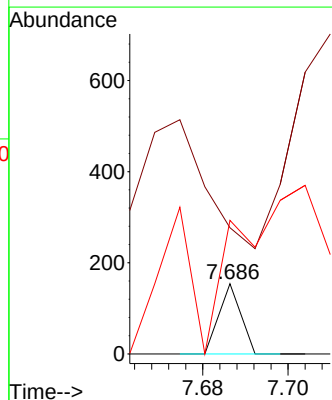
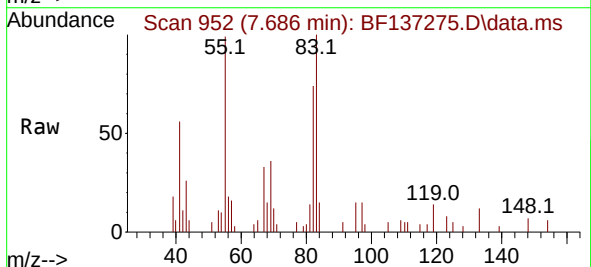
Instrument :
BNA_F
ClientSampleId :

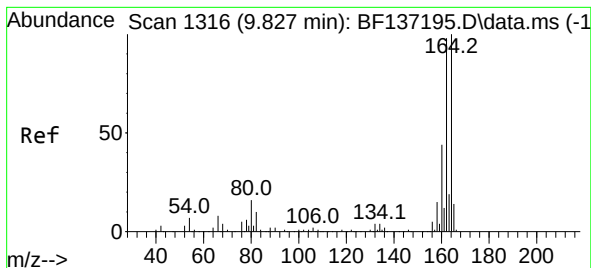
Tgt Ion: 82 Resp: 134754
Ion Ratio Lower Upper
82 100
128 34.4 29.1 43.7
54 53.2 45.0 67.6



#26
2-Nitrophenol
Concen: 2.484 ng
RT: 7.686 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion:139 Resp: 54
Ion Ratio Lower Upper
139 100
109 179.9 28.5 42.7#
65 190.3 46.7 70.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

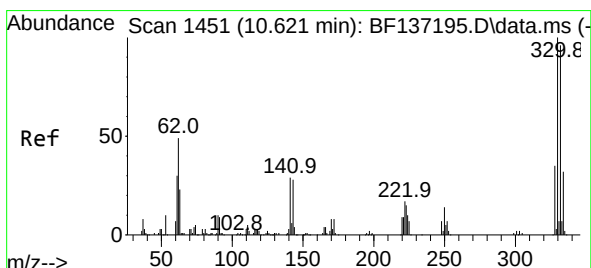
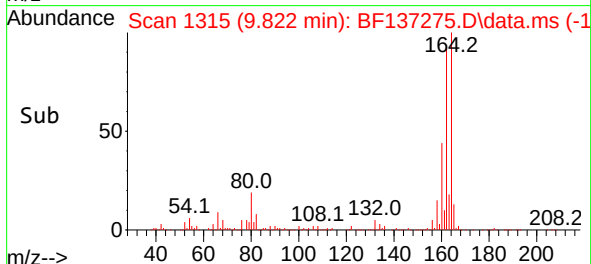
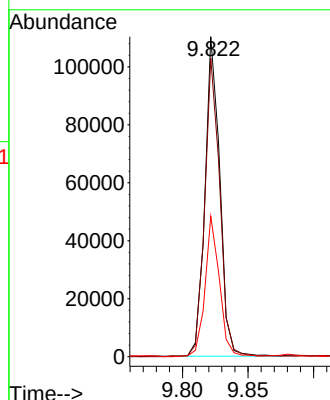
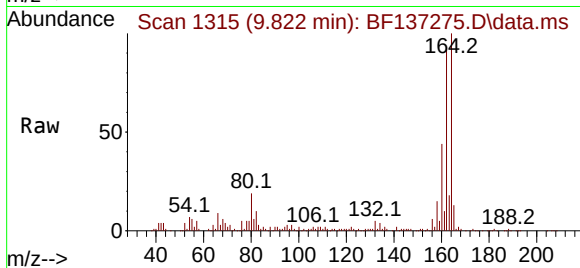
Tgt Ion:164 Resp: 86778

Ion Ratio Lower Upper

164 100

162 93.3 78.3 117.5

160 43.9 35.4 53.2



#42

2,4,6-Tribromophenol

Concen: 48.264 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

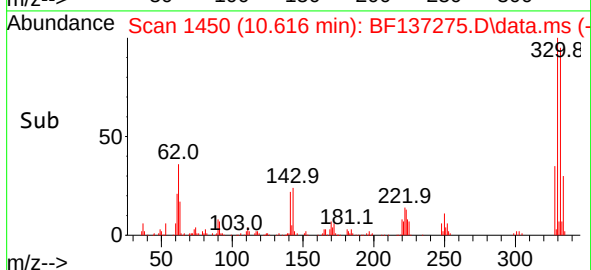
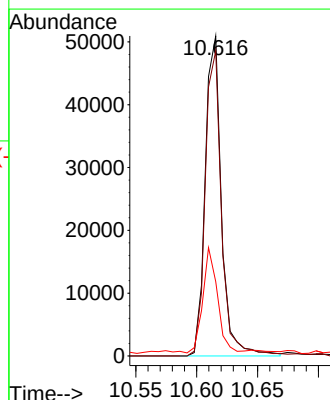
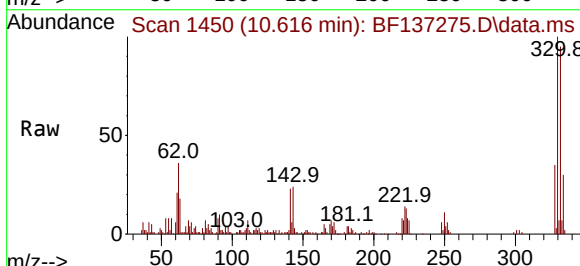
Tgt Ion:330 Resp: 47300

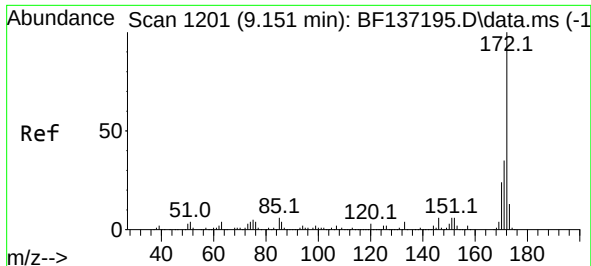
Ion Ratio Lower Upper

330 100

332 97.0 77.3 115.9

141 29.8 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 33.593 ng

RT: 9.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

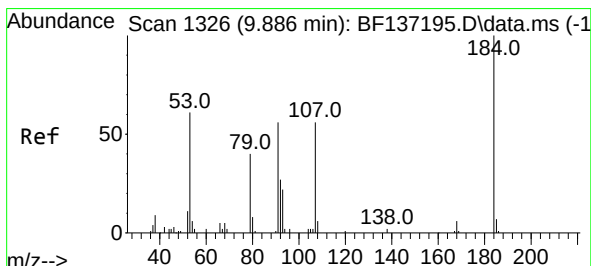
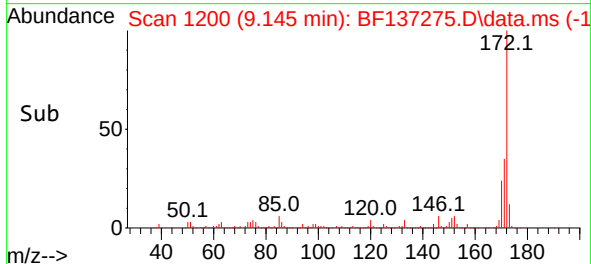
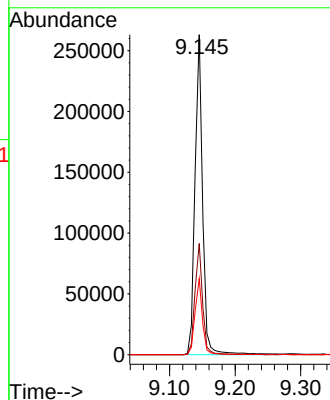
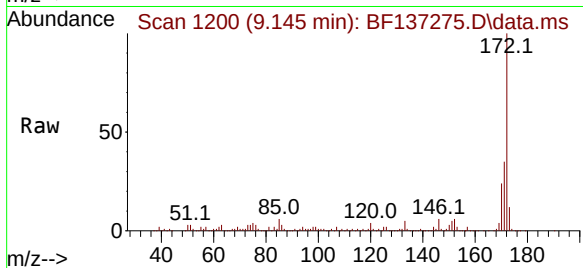
Tgt Ion:172 Resp: 212061

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.7 19.1 28.7



#54

2,4-Dinitrophenol

Concen: 11.630 ng

RT: 10.086 min Scan# 1360

Delta R.T. 0.200 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

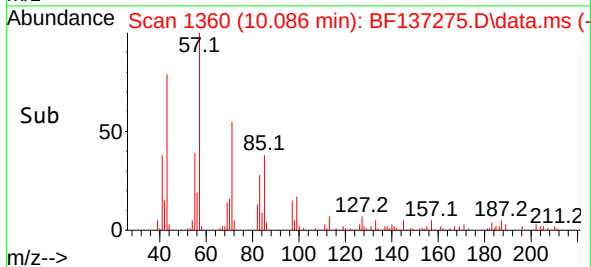
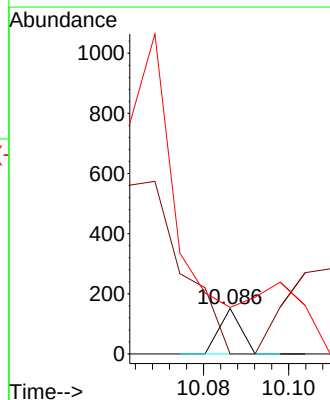
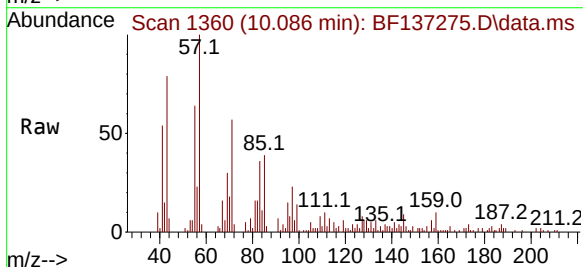
Tgt Ion:184 Resp: 53

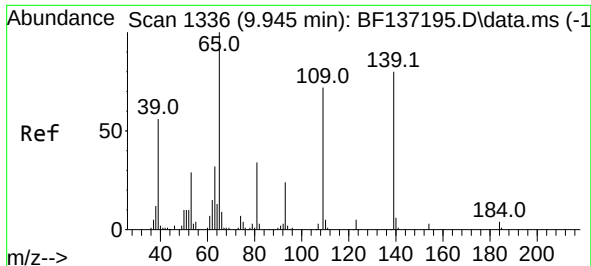
Ion Ratio Lower Upper

184 100

63 0.0 71.2 106.8#

154 102.6 64.9 97.3#

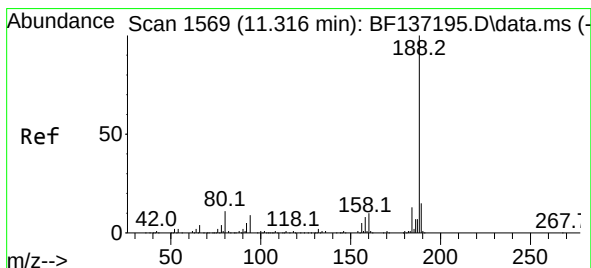
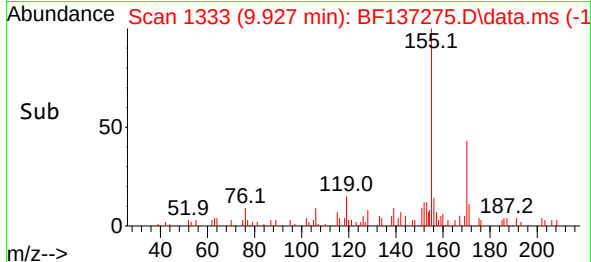
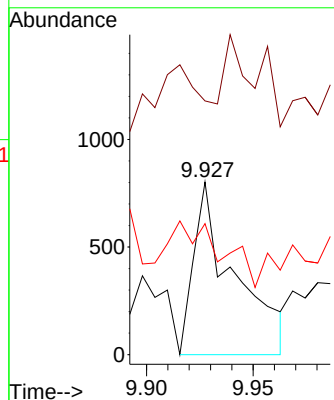
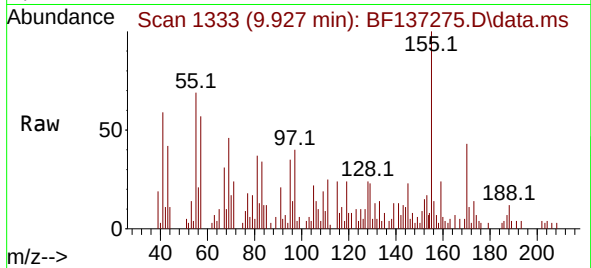




#56
4-Nitrophenol
Concen: 9.396 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

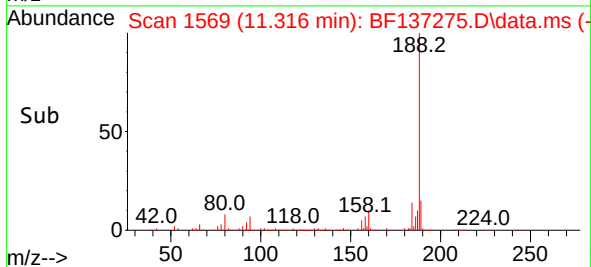
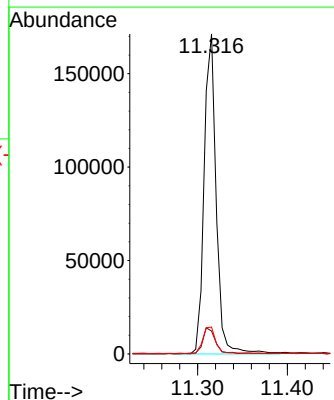
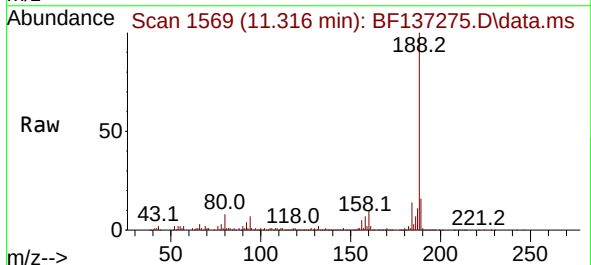
Instrument :
BNA_F
ClientSampleId :

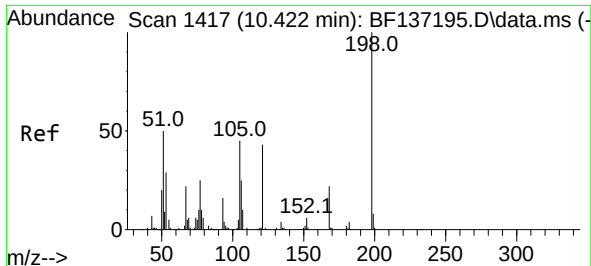
Tgt Ion:139 Resp: 1065
Ion Ratio Lower Upper
139 100
109 147.0 70.4 110.4#
65 75.9 107.6 147.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

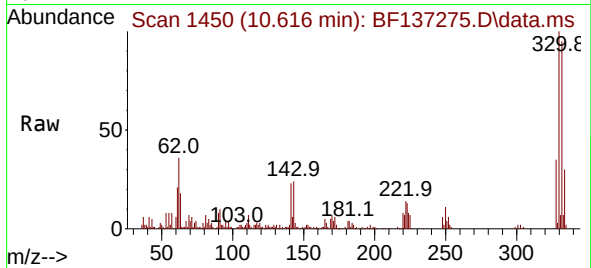
Tgt Ion:188 Resp: 159911
Ion Ratio Lower Upper
188 100
94 7.1 7.0 10.4
80 8.4 8.8 13.2#



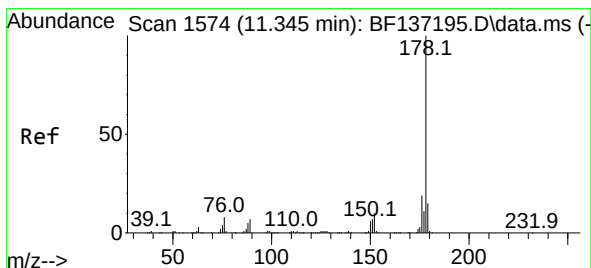
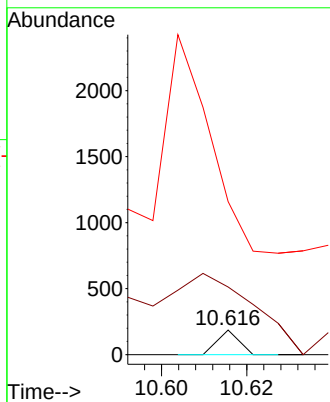
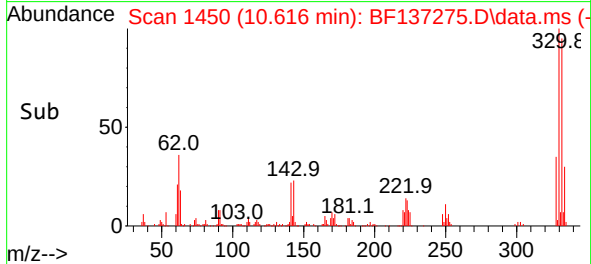


#65
4,6-Dinitro-2-methylphenol
Concen: 5.524 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.194 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

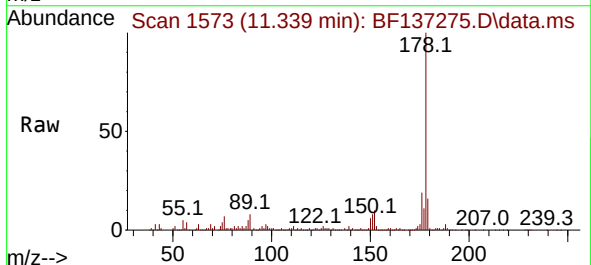
Instrument :
BNA_F
ClientSampleId :



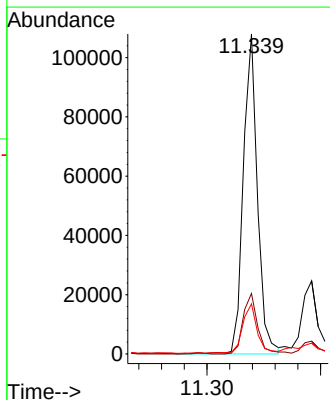
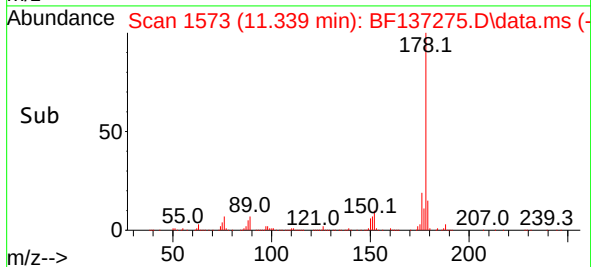
Tgt Ion:198 Resp: 66
Ion Ratio Lower Upper
198 100
51 275.8 40.9 80.9#
105 623.7 26.5 66.5#

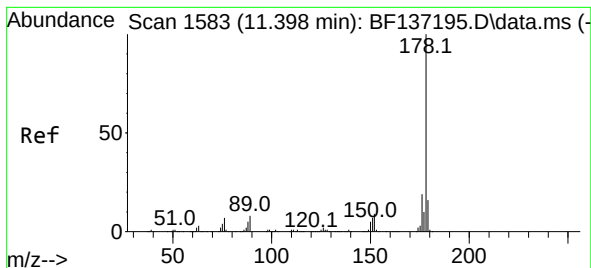


#71
Phenanthrene
Concen: 11.112 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39



Tgt Ion:178 Resp: 93026
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.7 12.1 18.1





#72

Anthracene

Concen: 2.293 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

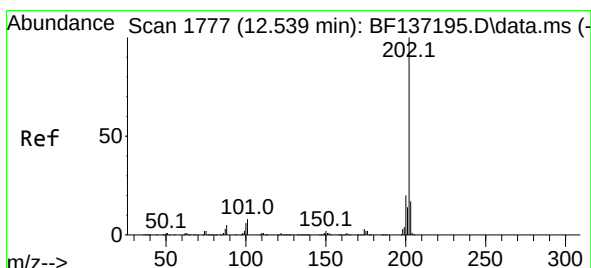
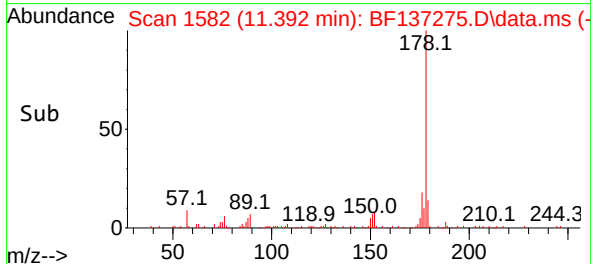
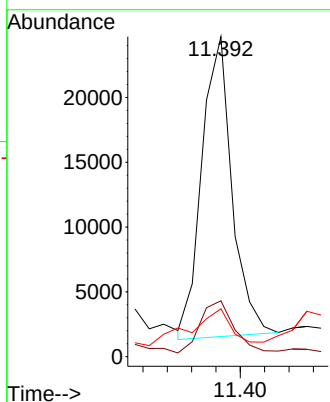
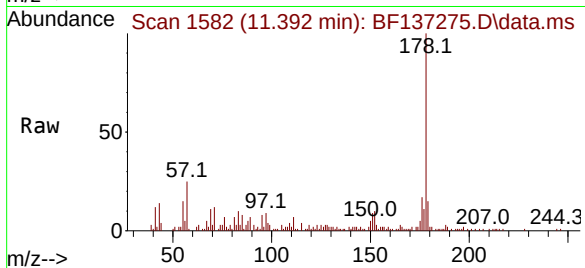
Tgt Ion:178 Resp: 20010

Ion Ratio Lower Upper

178 100

176 17.4 15.3 22.9

179 15.0 12.7 19.1



#75

Fluoranthene

Concen: 20.430 ng

RT: 12.533 min Scan# 1776

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

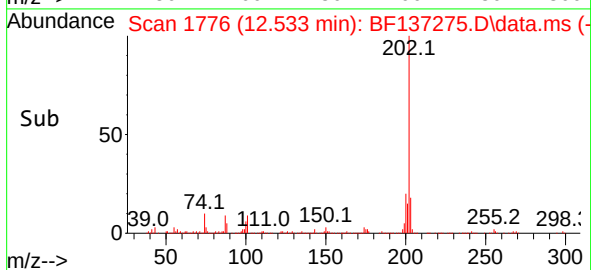
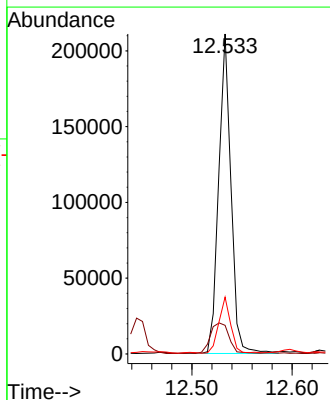
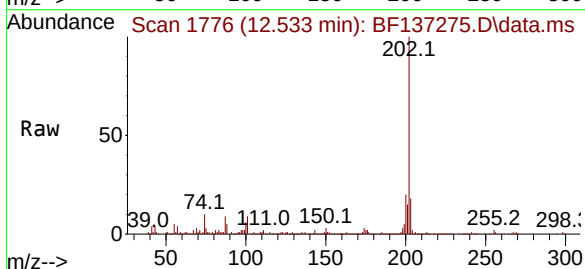
Tgt Ion:202 Resp: 178971

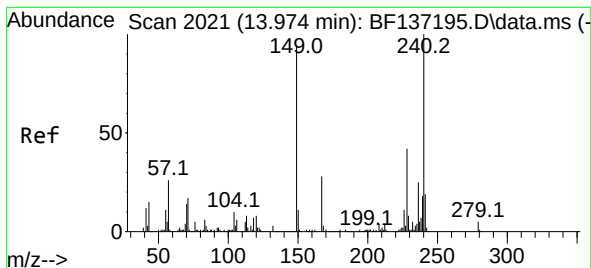
Ion Ratio Lower Upper

202 100

101 9.0 0.0 28.4

203 17.8 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

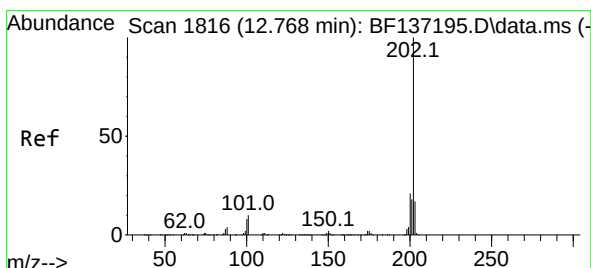
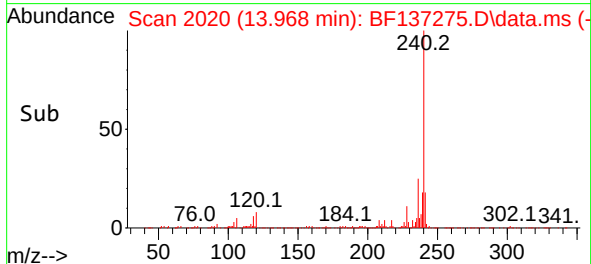
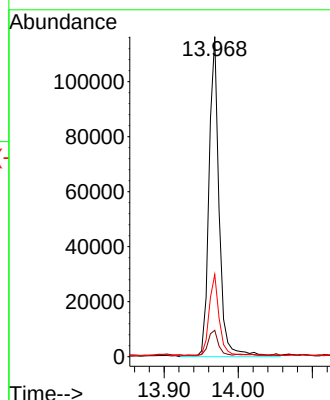
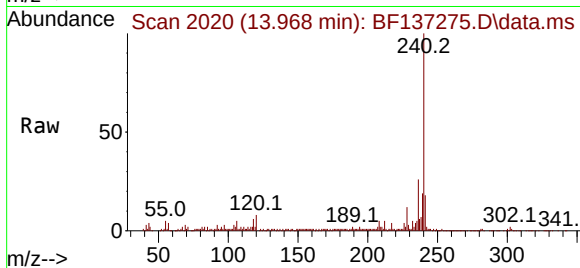
Tgt Ion:240 Resp: 111038

Ion Ratio Lower Upper

240 100

120 8.2 6.3 9.5

236 25.7 20.3 30.5



#78

Pyrene

Concen: 14.804 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

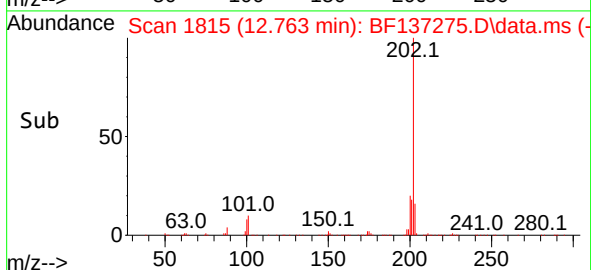
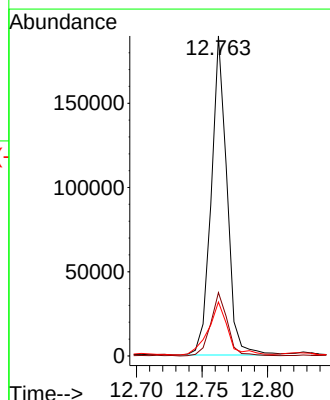
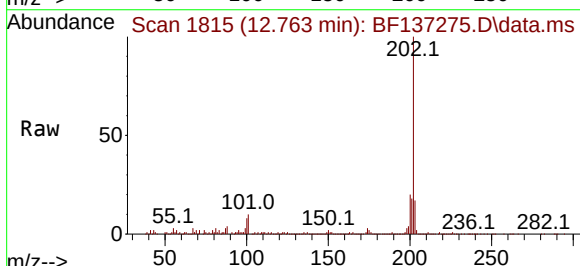
Tgt Ion:202 Resp: 157974

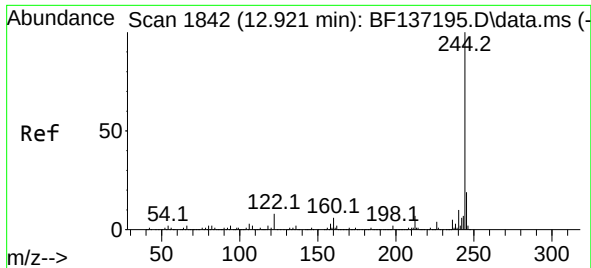
Ion Ratio Lower Upper

202 100

200 19.8 16.5 24.7

203 16.9 13.8 20.6

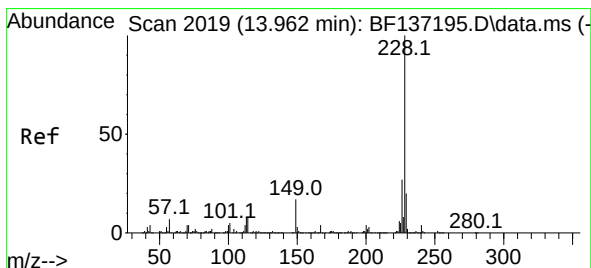
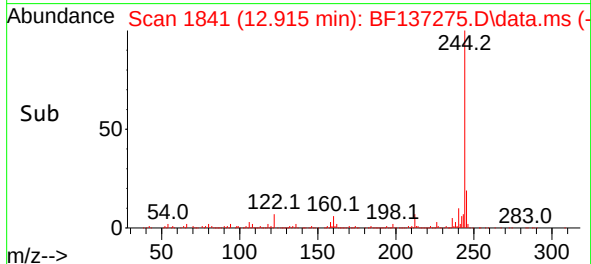
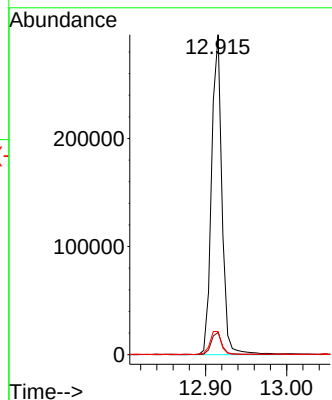
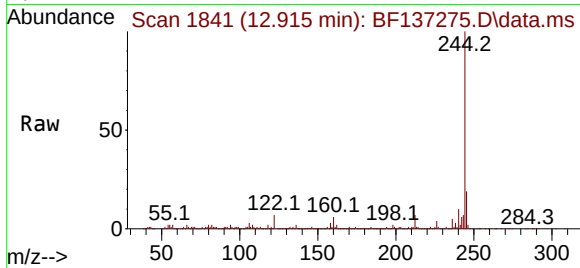




#79
 Terphenyl-d14
 Concen: 32.199 ng
 RT: 12.915 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF137275.D
 Acq: 05 Feb 2024 13:39

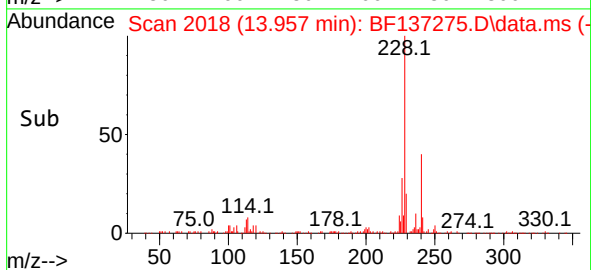
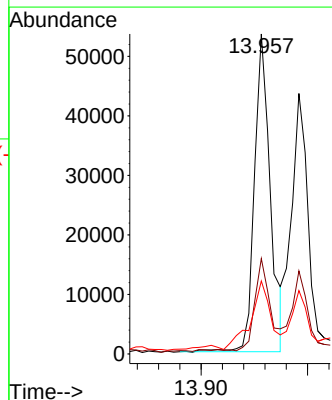
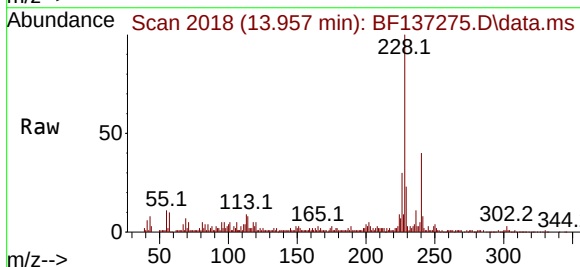
Instrument :
 BNA_F
 ClientSampleId :

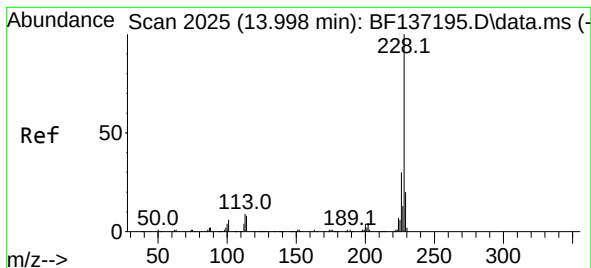
Tgt Ion:244 Resp: 262994
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 7.3 6.2 9.4



#81
 Benzo(a)anthracene
 Concen: 7.005 ng
 RT: 13.957 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: BF137275.D
 Acq: 05 Feb 2024 13:39

Tgt Ion:228 Resp: 55086
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.6 32.4
 229 22.8 15.8 23.6





#83

Chrysene

Concen: 7.125 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

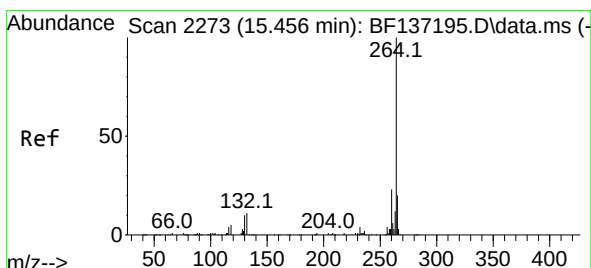
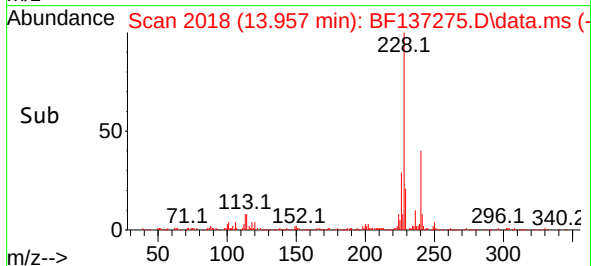
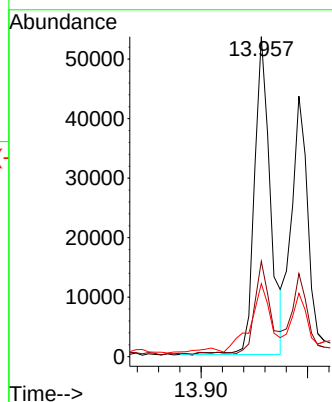
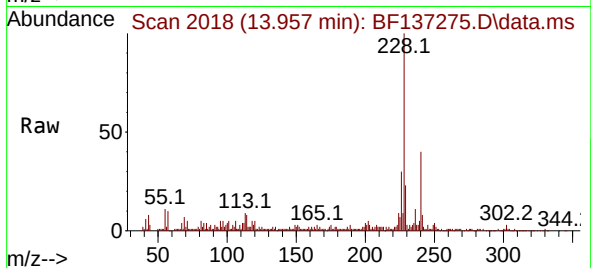
Tgt Ion:228 Resp: 55086

Ion Ratio Lower Upper

228 100

226 29.8 23.7 35.5

229 22.8 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

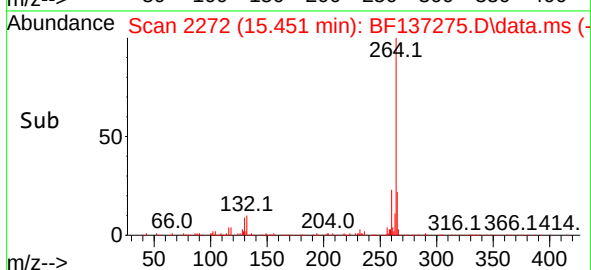
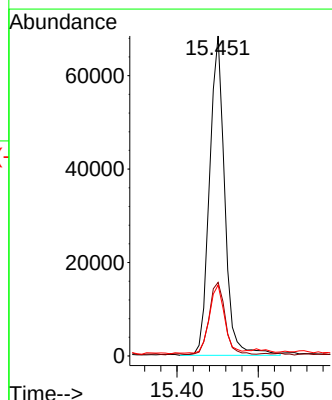
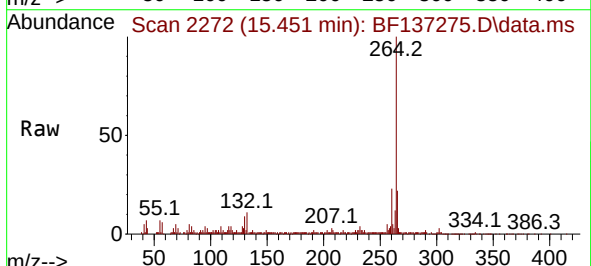
Tgt Ion:264 Resp: 88972

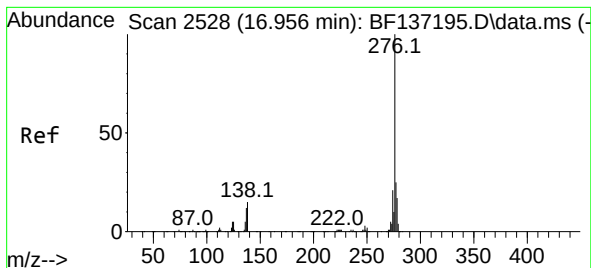
Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 22.2 16.2 24.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.257 ng

RT: 16.939 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :

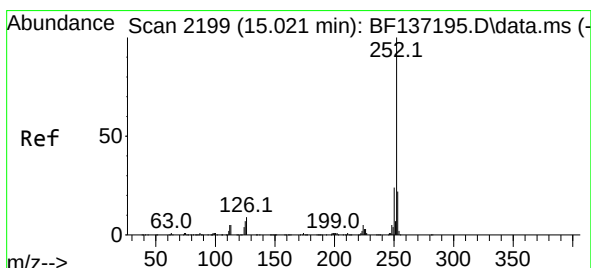
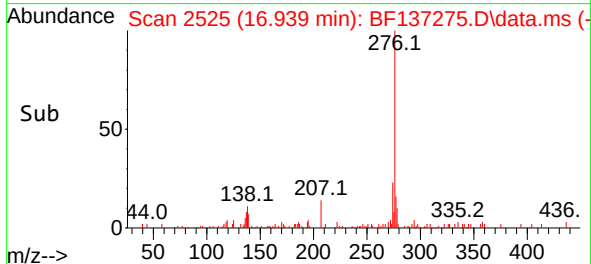
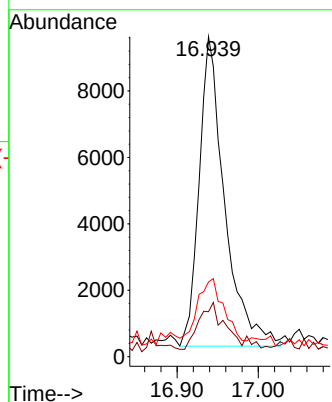
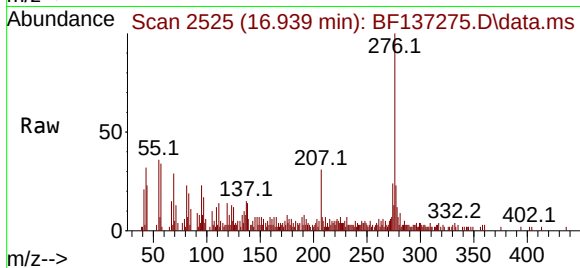
Tgt Ion:276 Resp: 20361

Ion Ratio Lower Upper

276 100

138 14.9 14.6 21.8

277 20.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.631 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

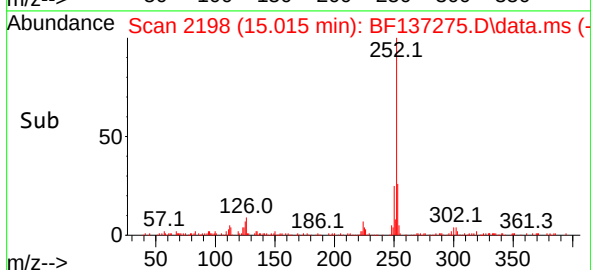
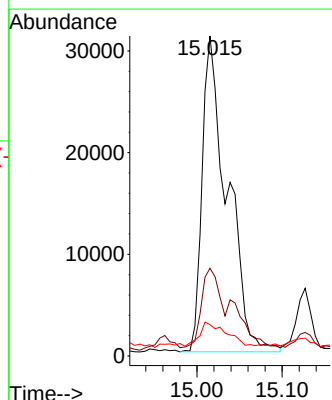
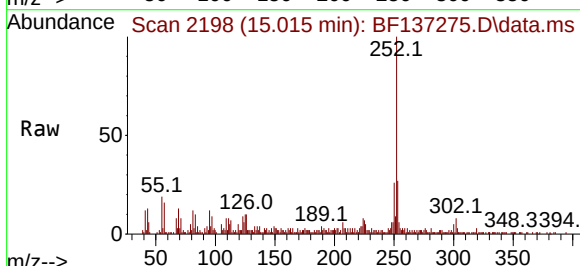
Tgt Ion:252 Resp: 63640

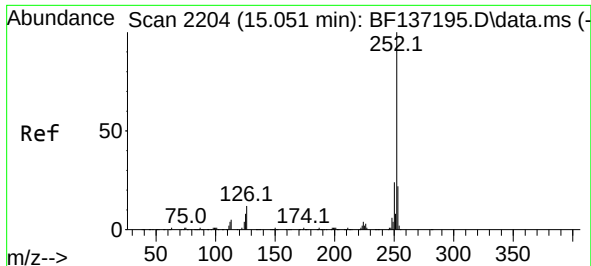
Ion Ratio Lower Upper

252 100

253 27.4 17.9 26.9#

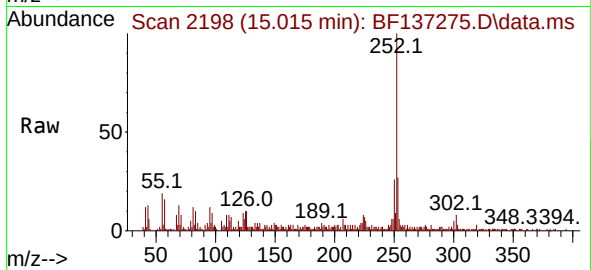
125 9.8 5.4 8.2#



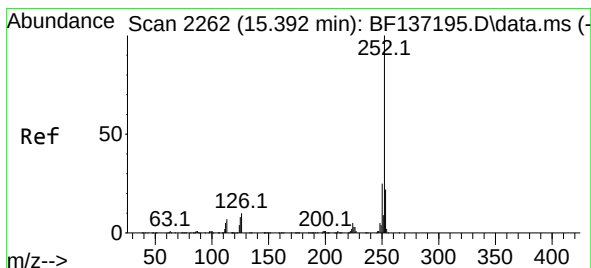
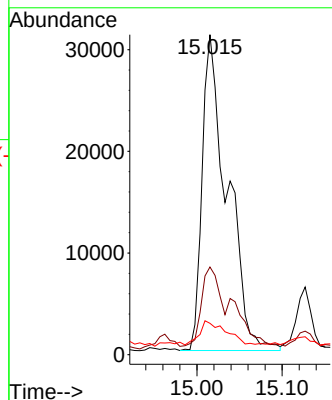
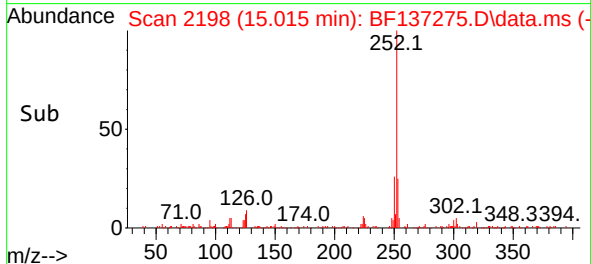


#89
Benzo(k)fluoranthene
Concen: 10.994 ng
RT: 15.015 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Instrument :
BNA_F
ClientSampleId :

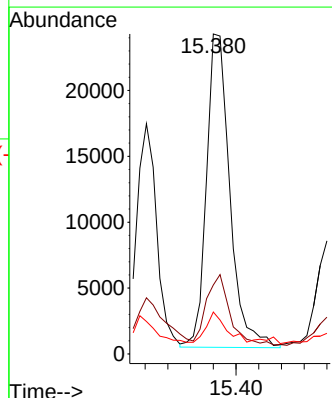
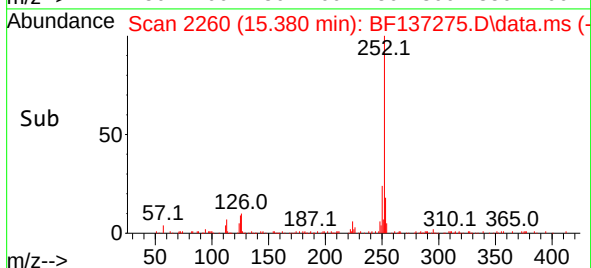
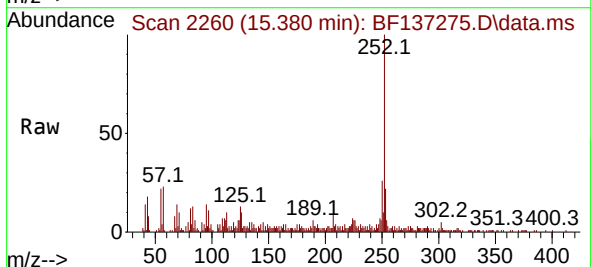


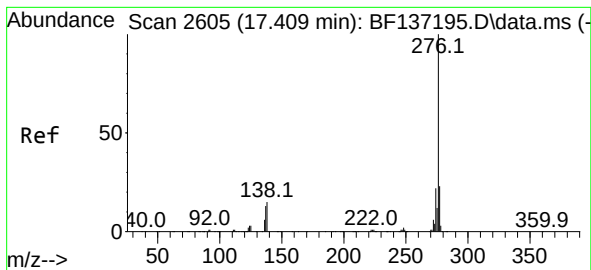
Tgt Ion:252 Resp: 63640
Ion Ratio Lower Upper
252 100
253 27.4 17.0 25.6#
125 9.8 5.9 8.9#



#90
Benzo(a)pyrene
Concen: 6.605 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.012 min
Lab File: BF137275.D
Acq: 05 Feb 2024 13:39

Tgt Ion:252 Resp: 34011
Ion Ratio Lower Upper
252 100
253 21.5 17.8 26.6
125 13.1 6.5 9.7#





#92

Benzo(g,h,i)perylene

Concen: 3.786 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.024 min

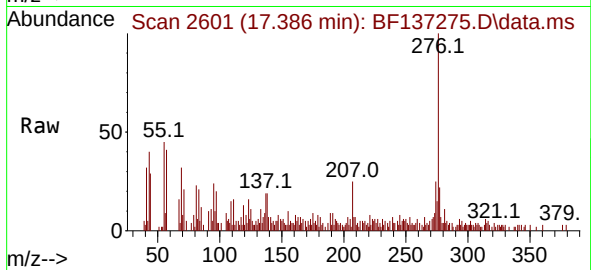
Lab File: BF137275.D

Acq: 05 Feb 2024 13:39

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:276 Resp: 18610

Ion Ratio Lower Upper

276 100

277 22.3 18.4 27.6

138 19.5 11.8 17.8#

