

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131985.D
 Acq On : 10 Jan 2023 02:49
 Operator : CG\JU
 Sample : N6244-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-18

Quant Time: Jan 10 04:27:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

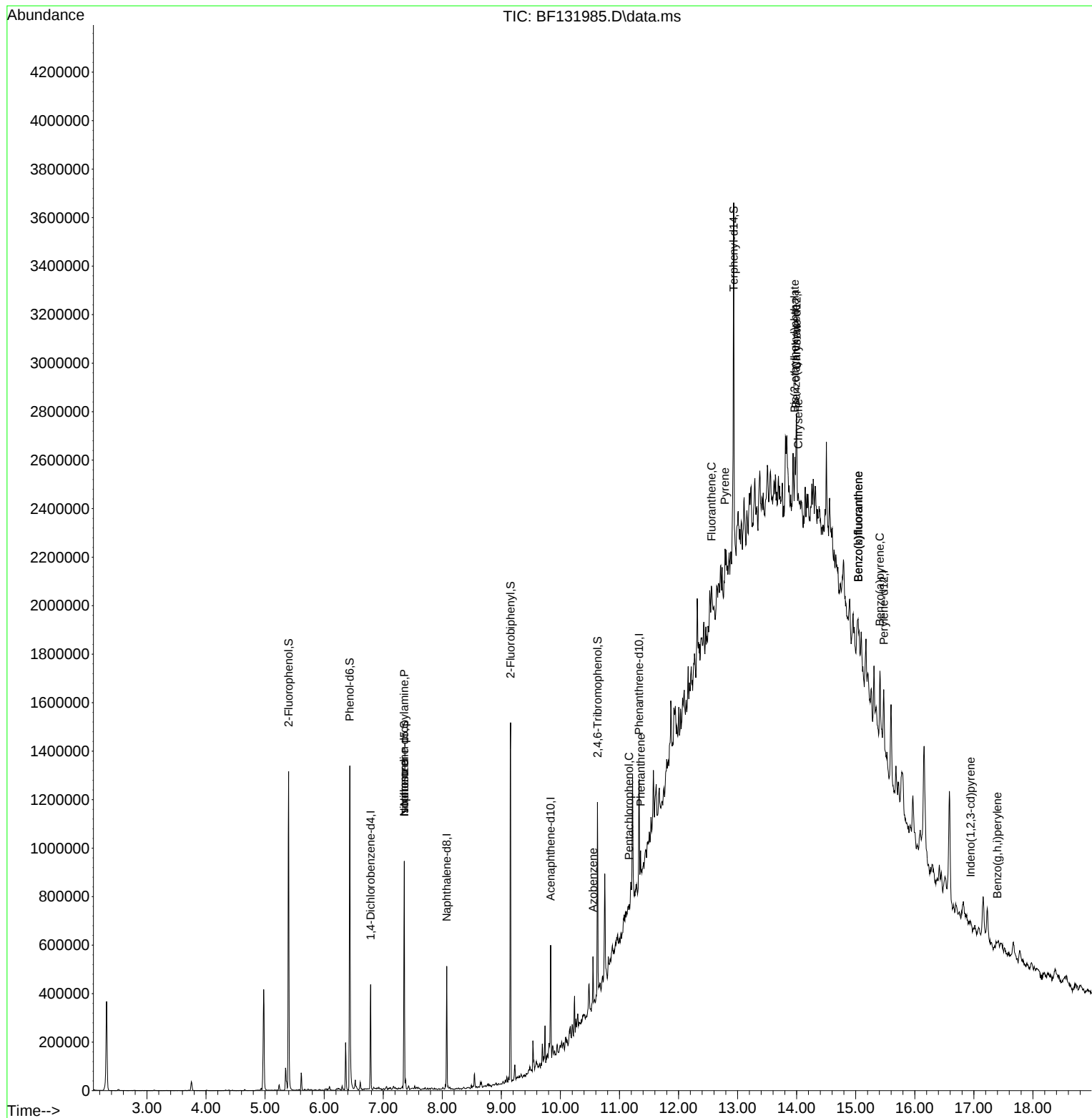
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	54563	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	173238	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	79347	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	137650	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	99343	20.000	ng	# 0.01
86) Perylene-d12	15.474	264	75338	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	324140	97.889	ng	0.00
7) Phenol-d6	6.434	99	404223	92.070	ng	0.00
23) Nitrobenzene-d5	7.357	82	279087	66.862	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	76943	84.338	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	424966	72.301	ng	0.00
79) Terphenyl-d14	12.933	244	428189	61.777	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	40867	12.868	ng	# 77
25) Isophorone	7.357	82	276002	35.395	ng	# 69
63) Azobenzene	10.551	77	36784	5.702	ng	# 1
70) Pentachlorophenol	11.163	266	180	4.541	ng	# 29
71) Phenanthrene	11.357	178	25566	3.563	ng	# 89
75) Fluoranthene	12.557	202	57202	7.088	ng	91
78) Pyrene	12.786	202	54021	5.962	ng	# 90
81) Benzo(a)anthracene	13.986	228	26946	3.728	ng	# 64
83) Chrysene	14.027	228	23524	3.483	ng	# 69
84) Bis(2-ethylhexyl)phtha...	13.969	149	69498	14.026	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.945	276	13726	2.971	ng	# 89
88) Benzo(b)fluoranthene	15.045	252	36586	7.080	ng	# 1
89) Benzo(k)fluoranthene	15.045	252	36586	7.094	ng	# 1
90) Benzo(a)pyrene	15.410	252	19512	4.191	ng	# 22
92) Benzo(g,h,i)perylene	17.398	276	16652	7.245	ng	# 80

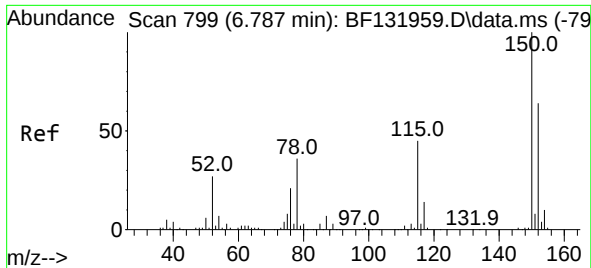
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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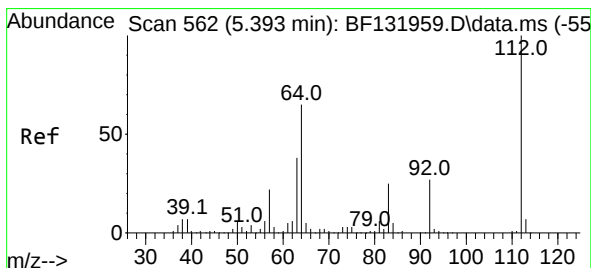
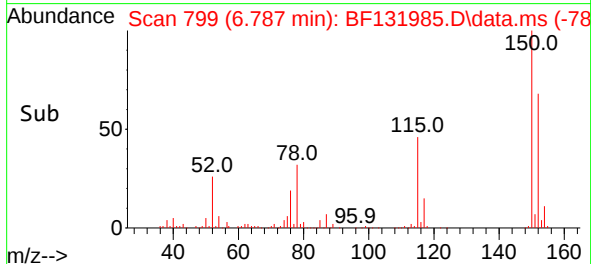
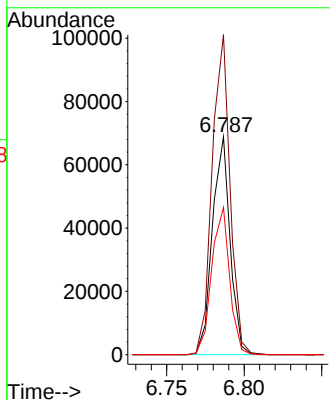
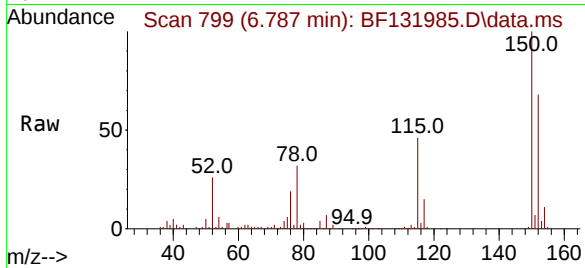




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

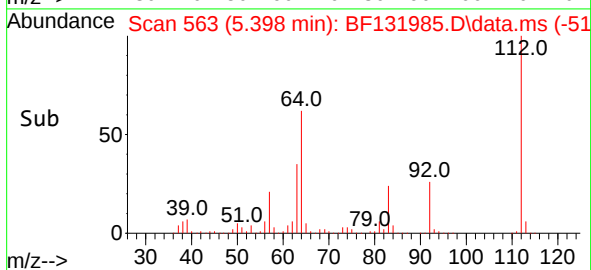
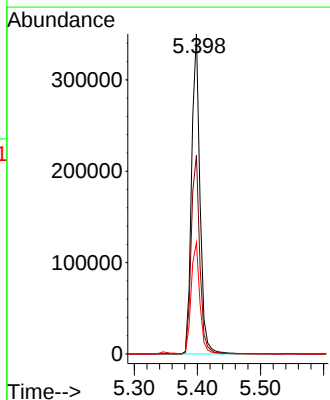
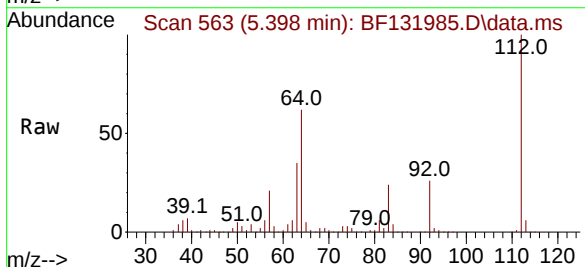
Instrument :
 BNA_F
 ClientSampleId :
 PE-18

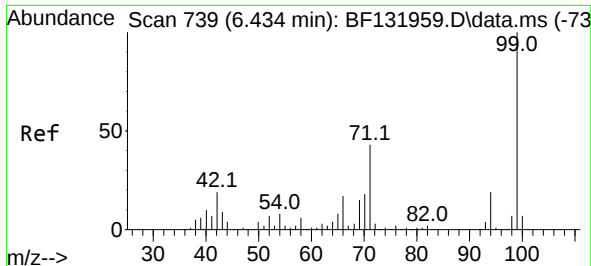
Tgt Ion:152 Resp: 54563
 Ion Ratio Lower Upper
 152 100
 150 146.9 124.6 186.8
 115 67.6 55.6 83.4



#5
 2-Fluorophenol
 Concen: 97.889 ng
 RT: 5.398 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

Tgt Ion:112 Resp: 324140
 Ion Ratio Lower Upper
 112 100
 64 62.2 51.9 77.9
 63 34.8 30.2 45.2

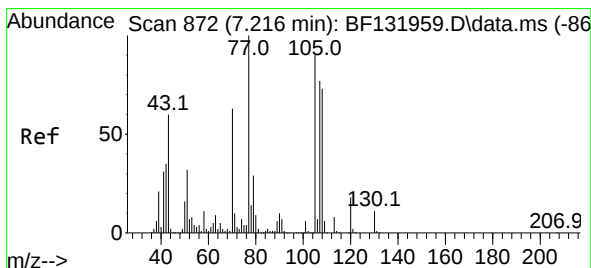
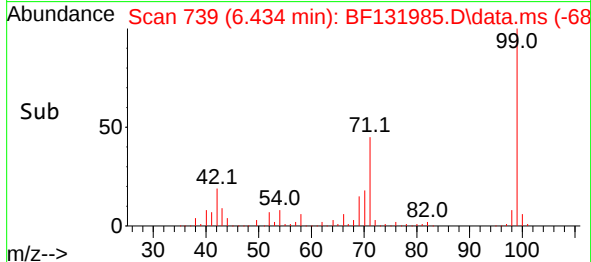
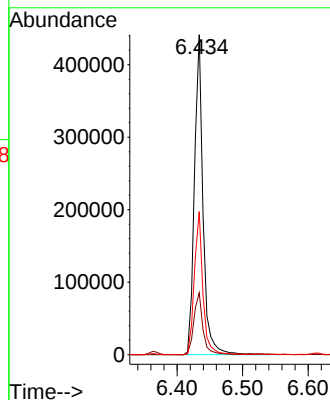
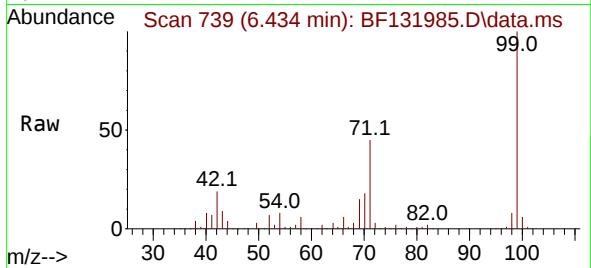




#7
Phenol-d6
Concen: 92.070 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

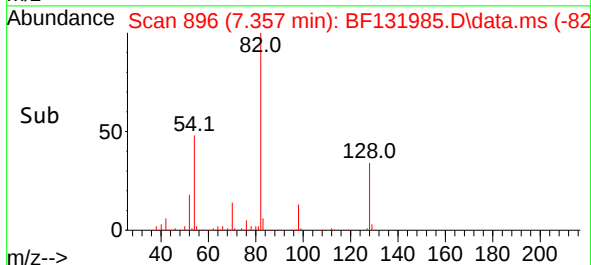
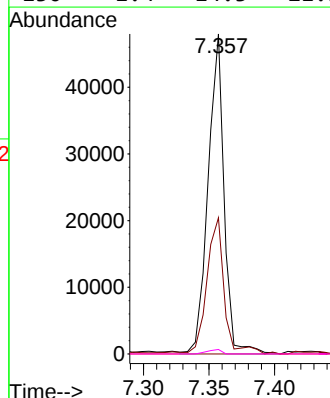
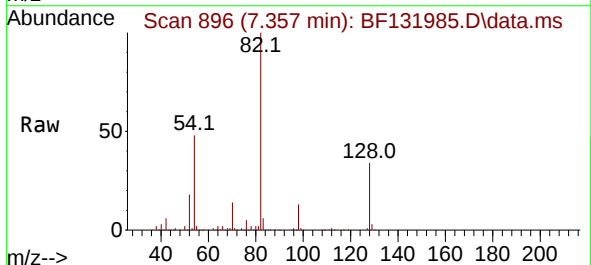
Instrument :
BNA_F
ClientSampleId :
PE-18

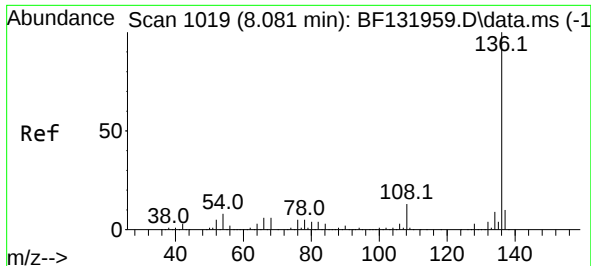
Tgt Ion: 99 Resp: 404223
Ion Ratio Lower Upper
99 100
42 19.4 15.4 23.2
71 44.7 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 12.868 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Tgt Ion: 70 Resp: 40867
Ion Ratio Lower Upper
70 100
42 42.6 44.3 66.5#
101 0.0 7.5 11.3#
130 1.4 14.3 21.5#



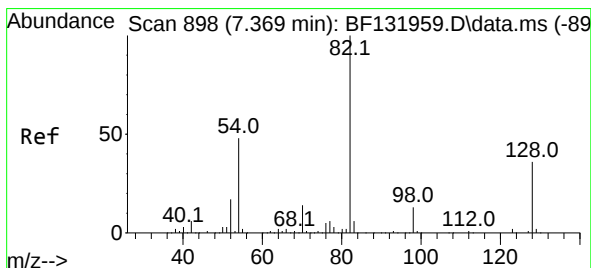
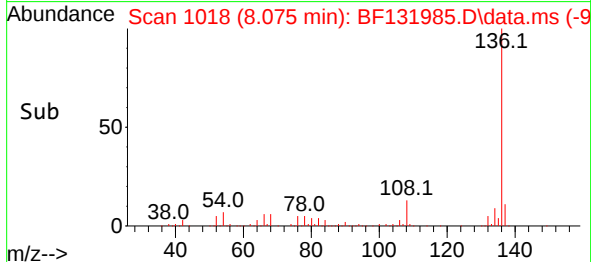
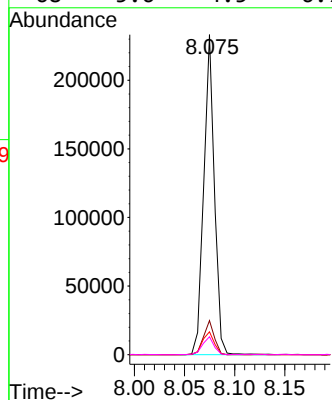
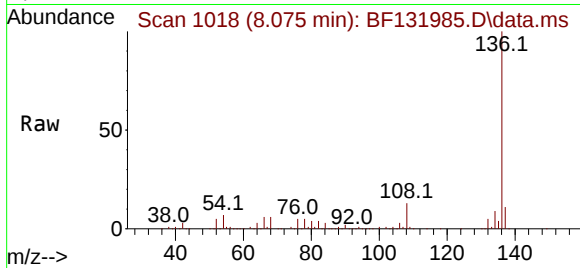


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Instrument :
BNA_F
ClientSampleId :
PE-18

Tgt Ion:136 Resp: 173238

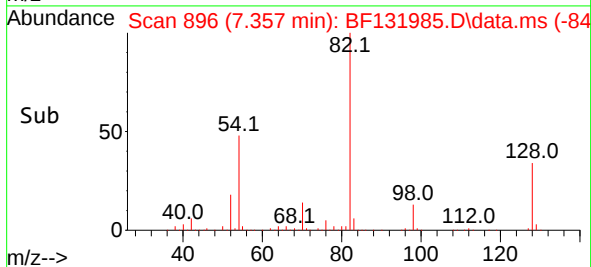
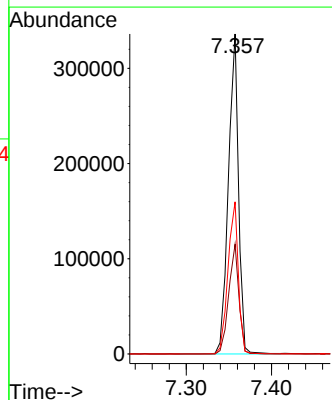
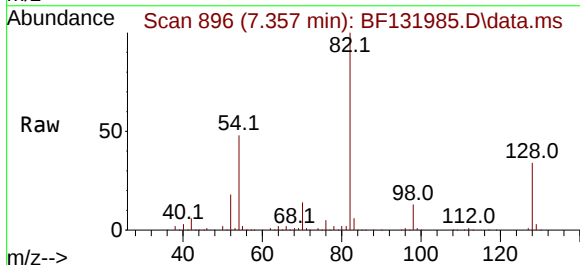
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	7.1	6.6	9.8
68	5.6	4.5	6.7

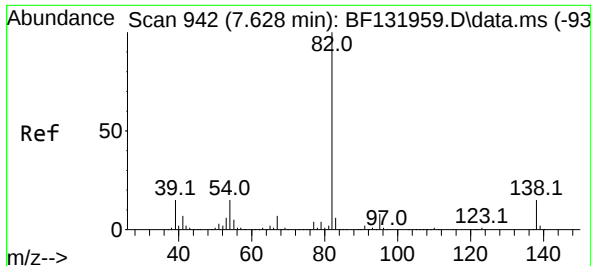


#23
Nitrobenzene-d5
Concen: 66.862 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Tgt Ion: 82 Resp: 279087

Ion	Ratio	Lower	Upper
82	100		
128	34.3	28.7	43.1
54	47.6	38.1	57.1

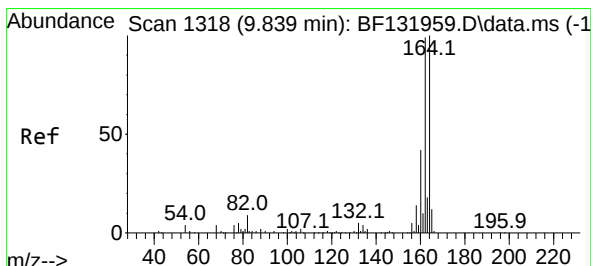
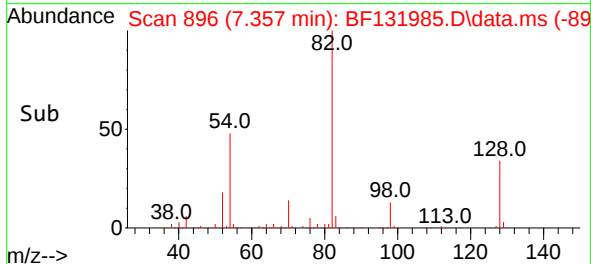
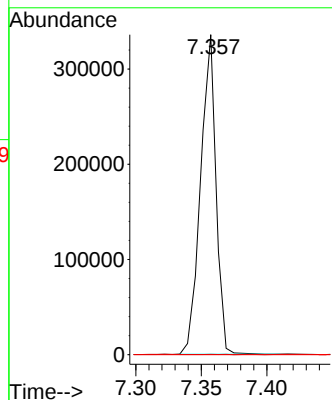
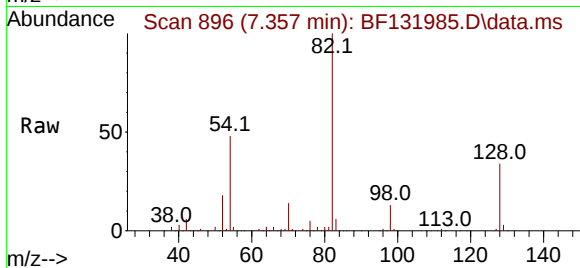




#25
Isophorone
Concen: 35.395 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

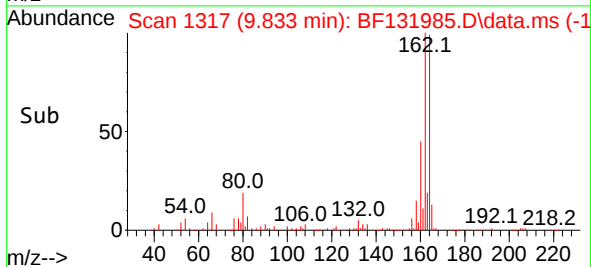
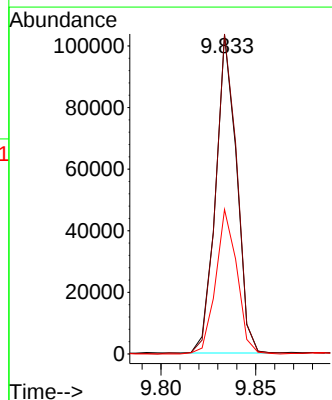
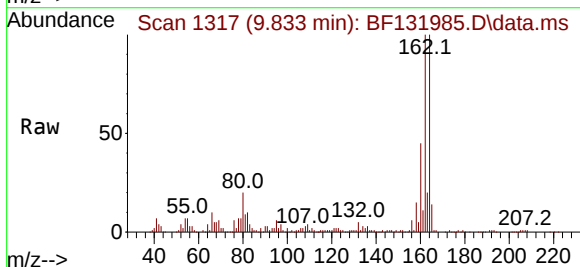
Instrument :
BNA_F
ClientSampleId :
PE-18

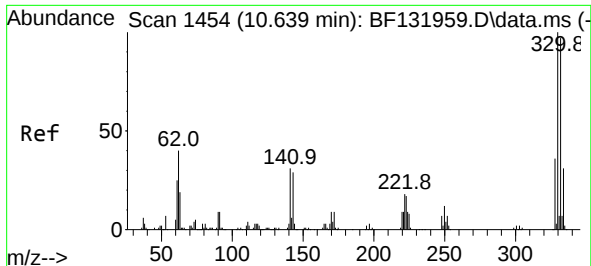
Tgt Ion: 82 Resp: 276002
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Tgt Ion: 164 Resp: 79347
Ion Ratio Lower Upper
164 100
162 100.4 79.4 119.0
160 45.3 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 84.338 ng

RT: 10.628 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

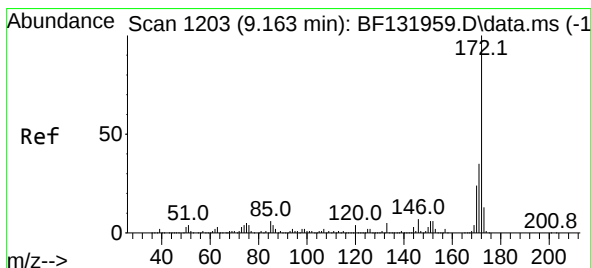
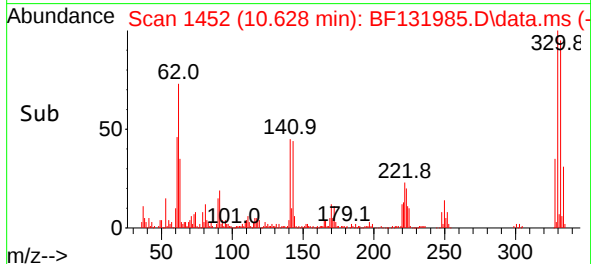
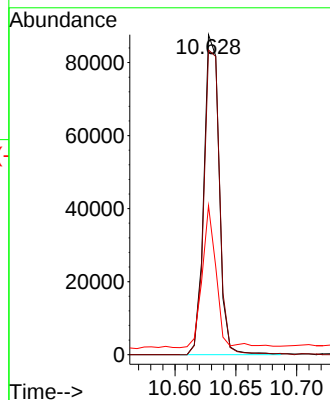
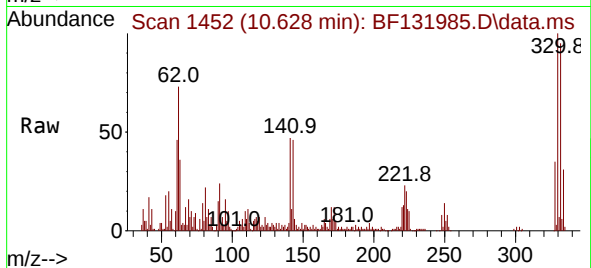
Tgt Ion:330 Resp: 76943

Ion Ratio Lower Upper

330 100

332 97.7 76.9 115.3

141 39.5 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 72.301 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

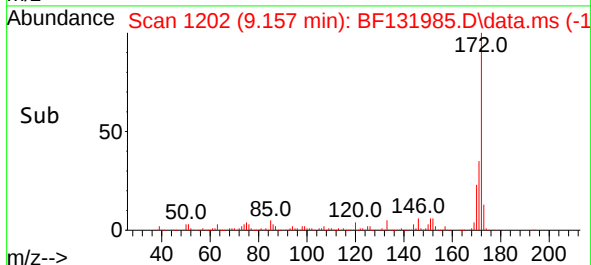
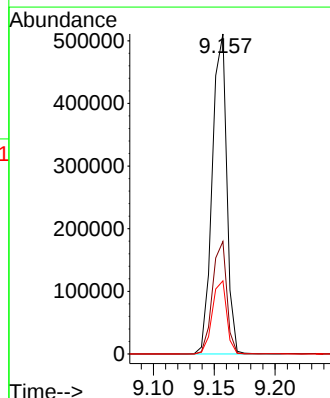
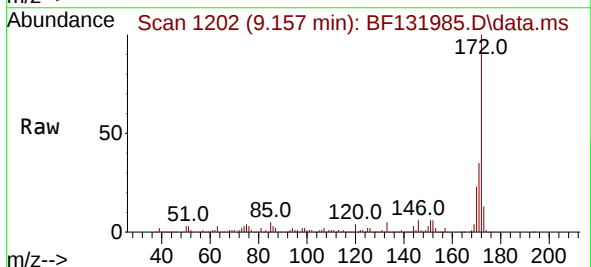
Tgt Ion:172 Resp: 424966

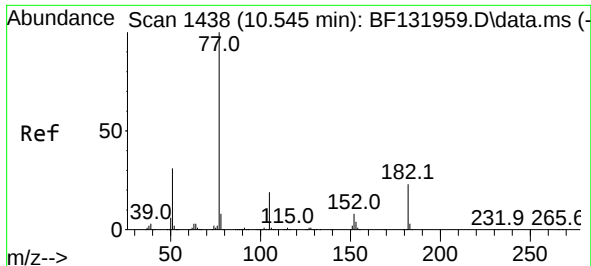
Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 22.9 18.9 28.3

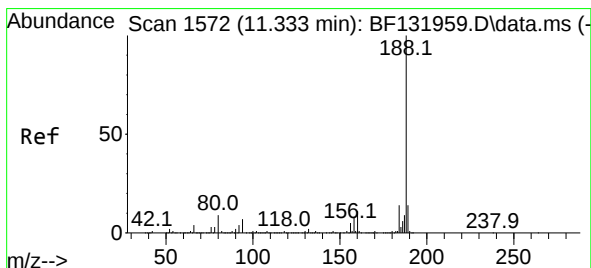
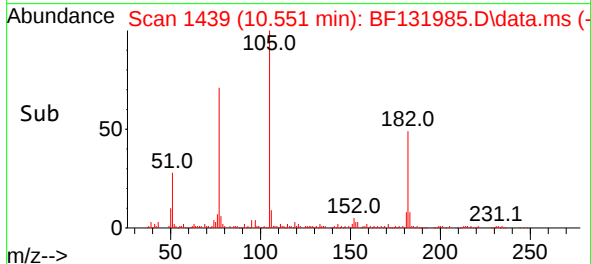
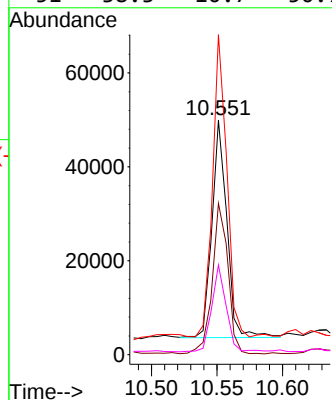
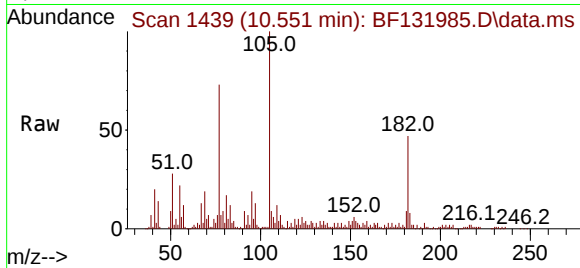




#63
Azobenzene
Concen: 5.702 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

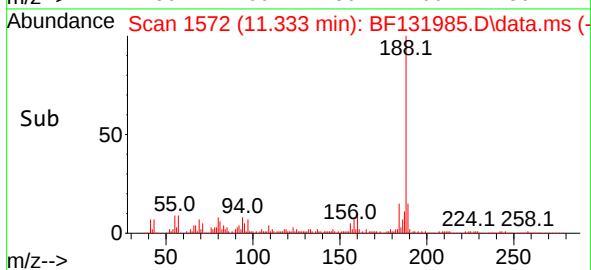
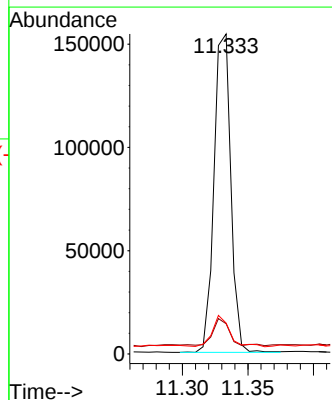
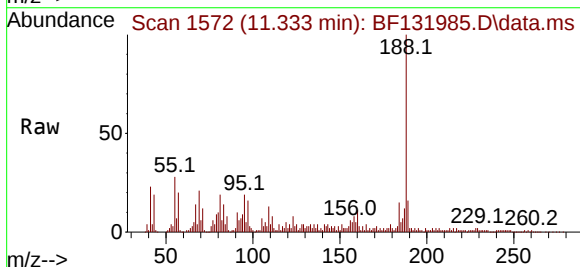
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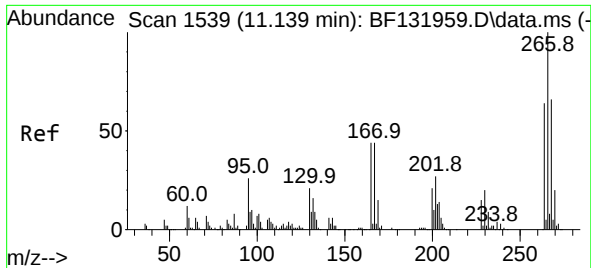
Tgt Ion: 77	Resp: 36784
Ion Ratio	Lower Upper
77 100	
182 64.6	2.9 42.9#
105 136.5	0.0 39.3#
51 38.3	10.7 50.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF131985.D
Acq: 10 Jan 2023 02:49

Tgt Ion: 188	Resp: 137650
Ion Ratio	Lower Upper
188 100	
94 9.4	5.8 8.6#
80 9.7	7.4 11.0

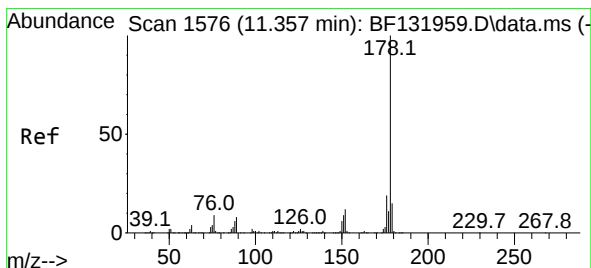
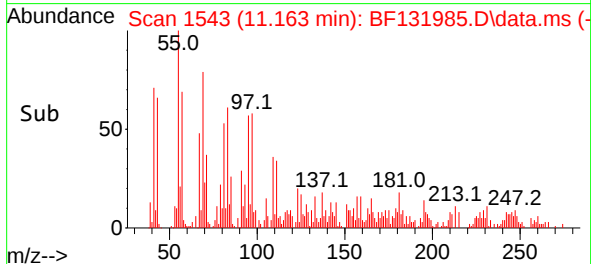
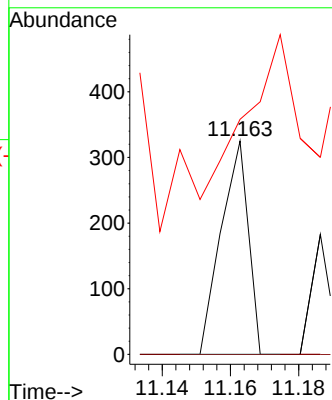
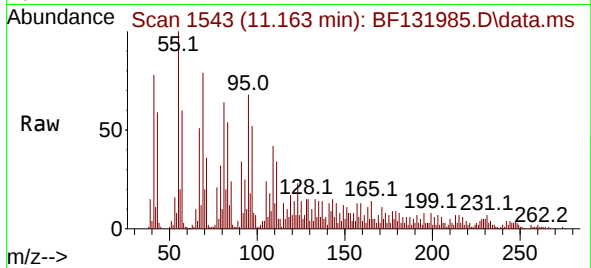




#70
 Pentachlorophenol
 Concen: 4.541 ng
 RT: 11.163 min Scan# 111
 Delta R.T. 0.024 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

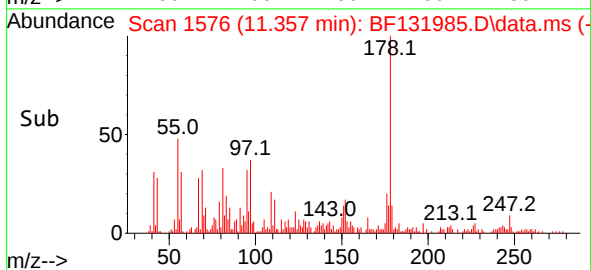
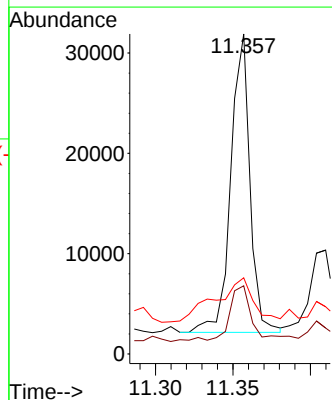
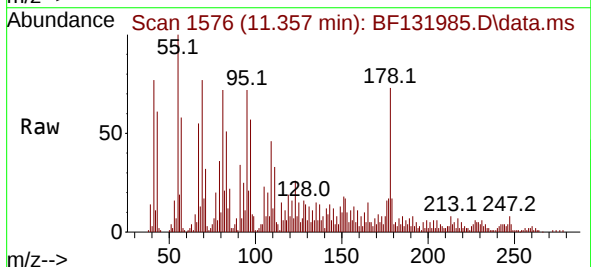
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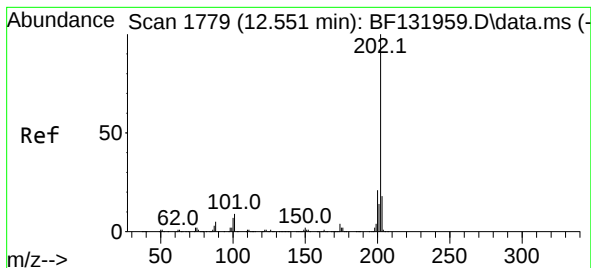
Tgt Ion:266 Resp: 180
 Ion Ratio Lower Upper
 266 100
 268 0.0 52.7 79.1#
 264 110.2 51.6 77.4#



#71
 Phenanthrene
 Concen: 3.563 ng
 RT: 11.357 min Scan# 1576
 Delta R.T. -0.000 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

Tgt Ion:178 Resp: 25566
 Ion Ratio Lower Upper
 178 100
 176 21.3 15.5 23.3
 179 23.8 12.4 18.6#





#75

Fluoranthene

Concen: 7.088 ng

RT: 12.557 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

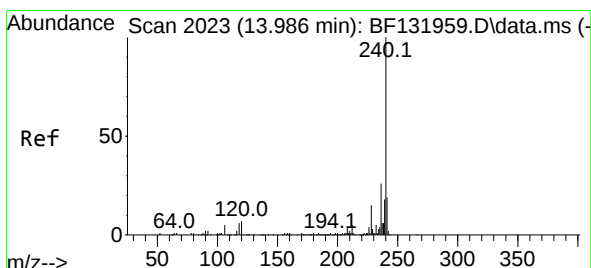
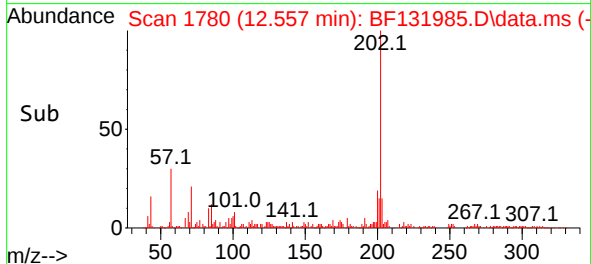
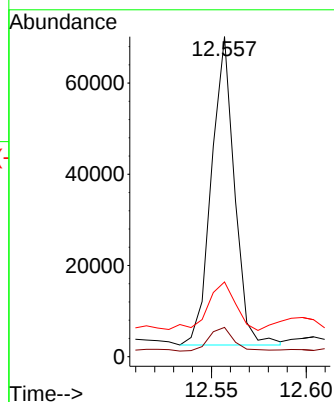
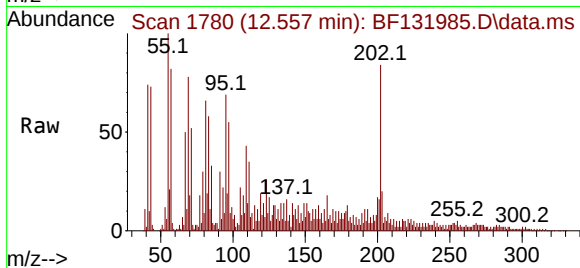
Tgt Ion:202 Resp: 57202

Ion Ratio Lower Upper

202 100

101 9.1 0.0 28.8

203 23.4 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.012 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

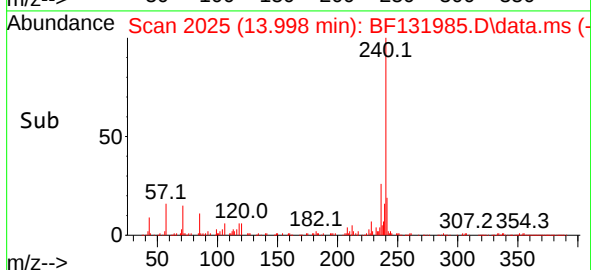
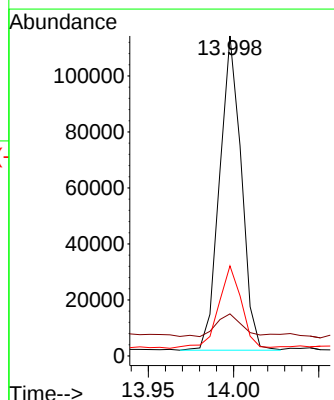
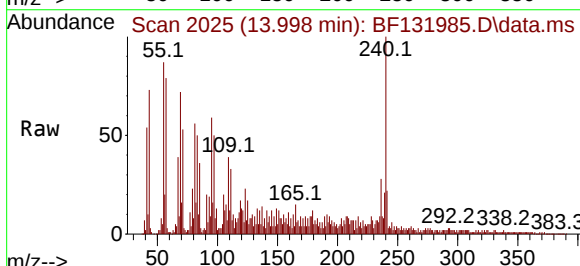
Tgt Ion:240 Resp: 99343

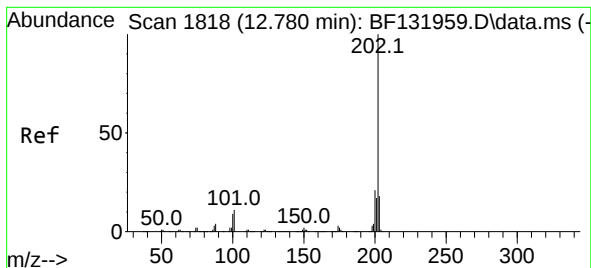
Ion Ratio Lower Upper

240 100

120 13.1 5.4 8.0#

236 28.1 21.1 31.7





#78

Pyrene

Concen: 5.962 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

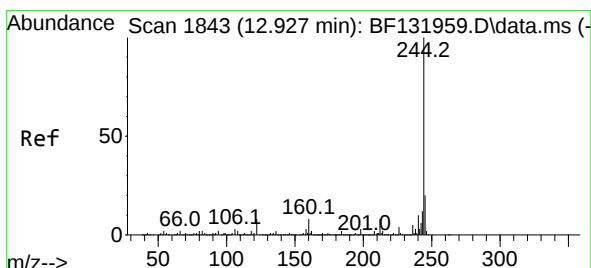
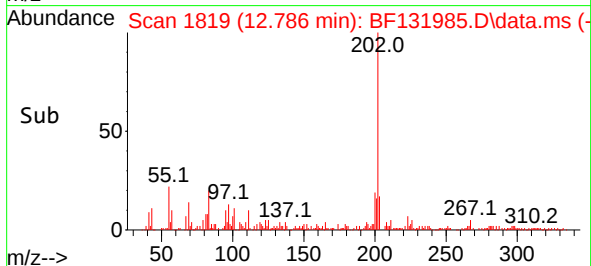
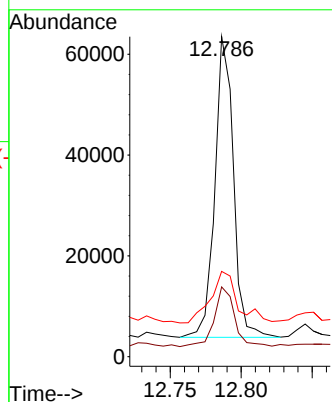
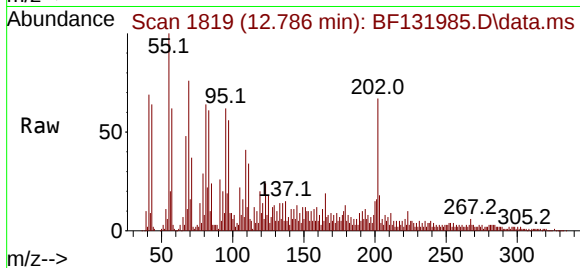
Tgt Ion:202 Resp: 54021

Ion Ratio Lower Upper

202 100

200 21.8 17.0 25.6

203 26.6 14.1 21.1#



#79

Terphenyl-d14

Concen: 61.777 ng

RT: 12.933 min Scan# 1844

Delta R.T. 0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

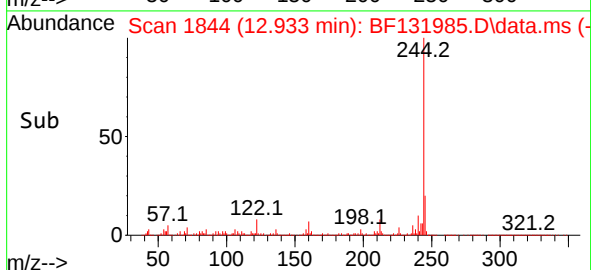
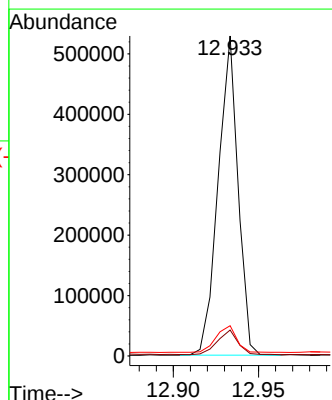
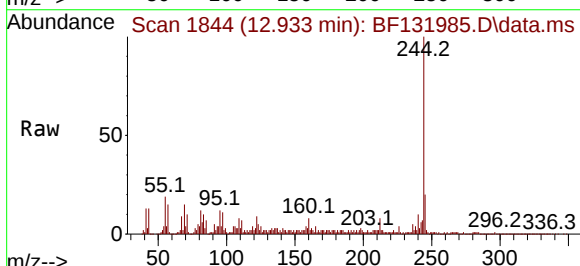
Tgt Ion:244 Resp: 428189

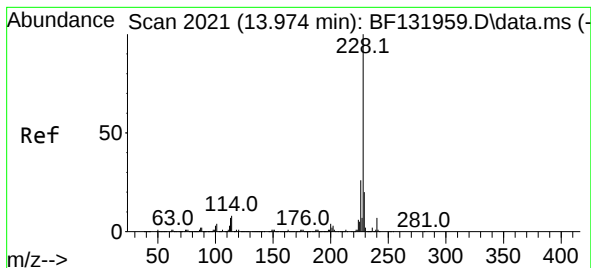
Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

122 9.5 6.8 10.2





#81

Benzo(a)anthracene

Concen: 3.728 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

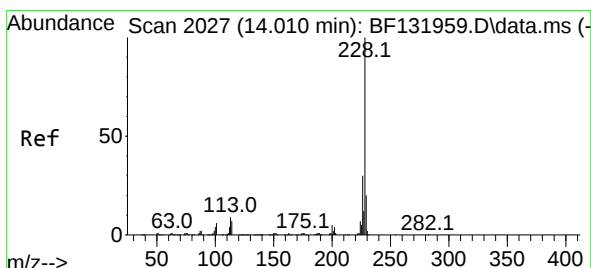
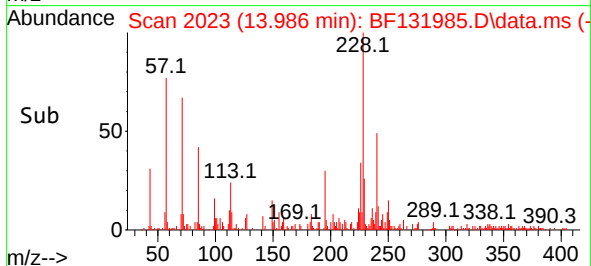
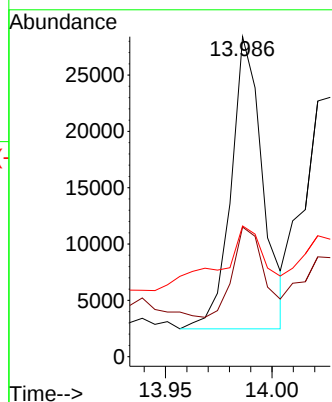
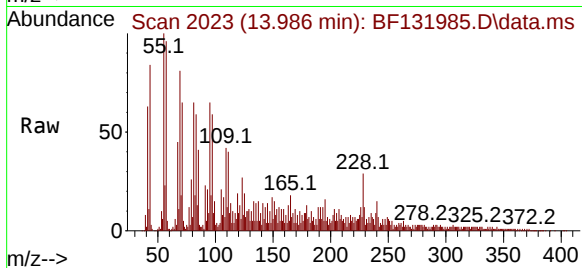
Tgt Ion:228 Resp: 26946

Ion Ratio Lower Upper

228 100

226 40.5 21.0 31.4#

229 40.9 15.8 23.6#



#83

Chrysene

Concen: 3.483 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.018 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

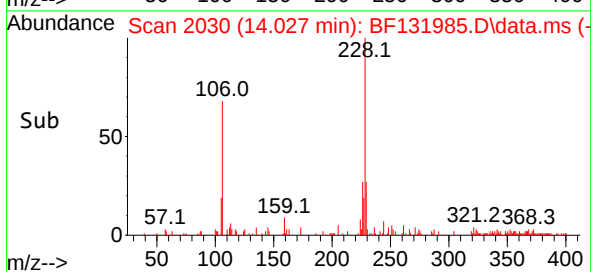
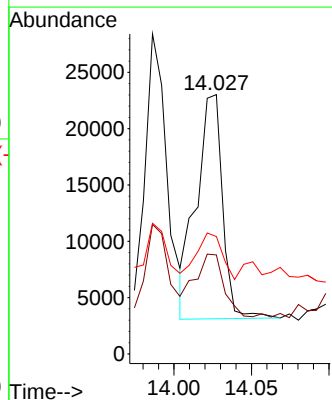
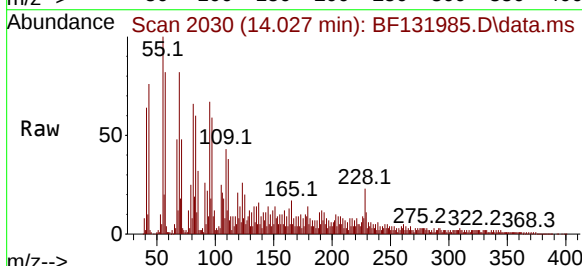
Tgt Ion:228 Resp: 23524

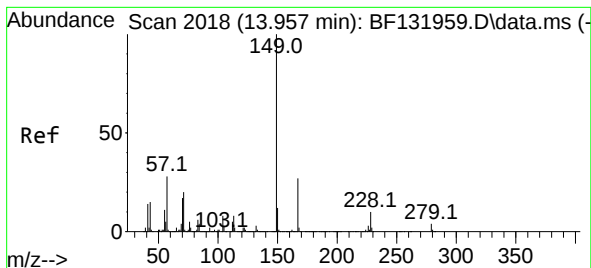
Ion Ratio Lower Upper

228 100

226 38.2 24.0 36.0#

229 45.2 16.2 24.4#

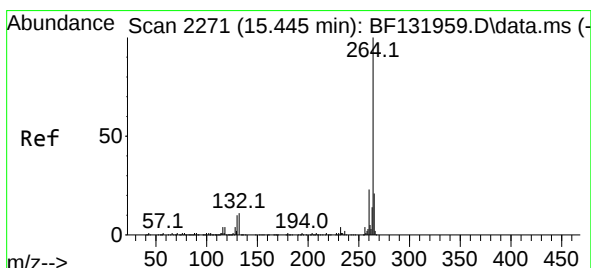
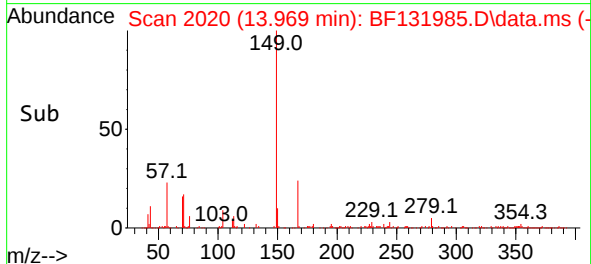
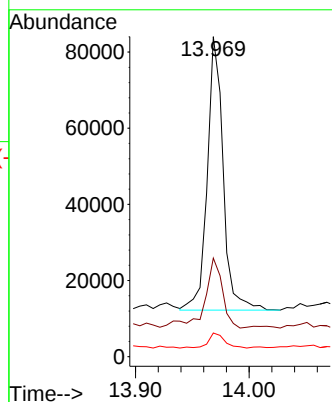
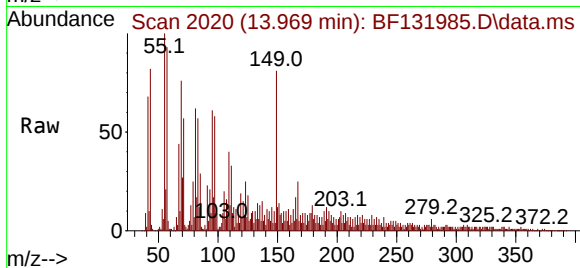




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 14.026 ng
 RT: 13.969 min Scan# 2018
 Delta R.T. 0.012 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

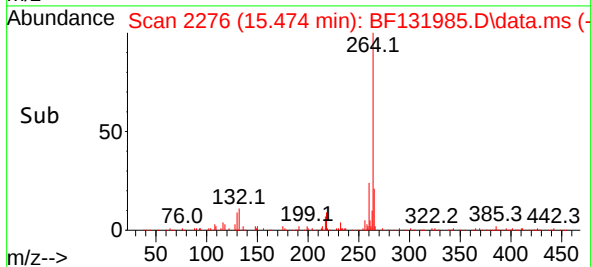
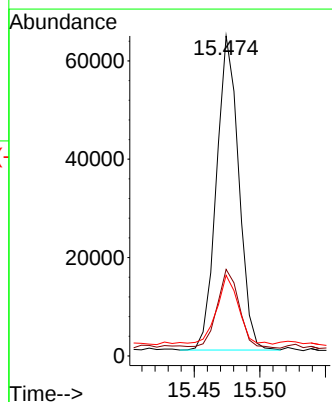
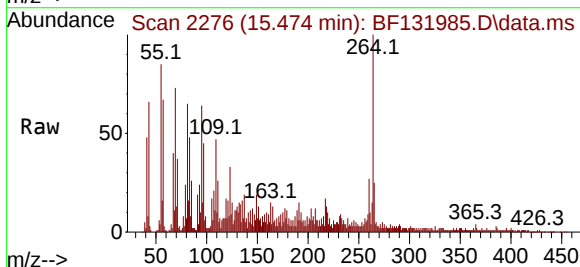
Instrument :
 BNA_F
 ClientSampleId :
 PE-18

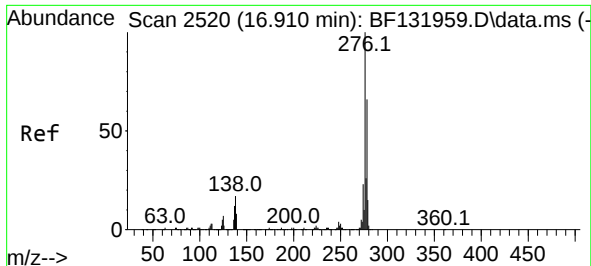
Tgt Ion:149 Resp: 69498
 Ion Ratio Lower Upper
 149 100
 167 30.8 21.3 31.9
 279 7.4 3.2 4.8#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.029 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

Tgt Ion:264 Resp: 75338
 Ion Ratio Lower Upper
 264 100
 260 27.1 18.3 27.5
 265 25.2 16.9 25.3

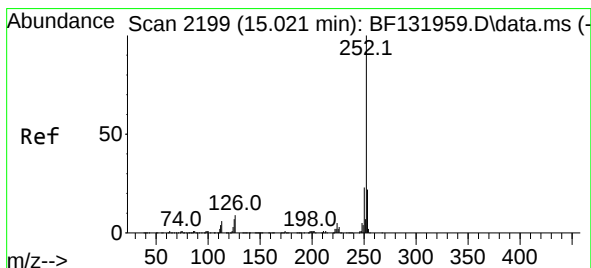
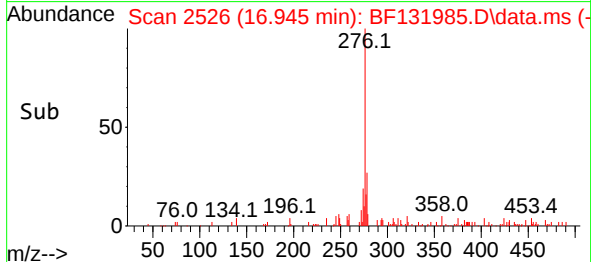
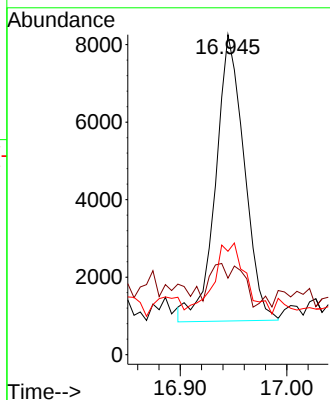
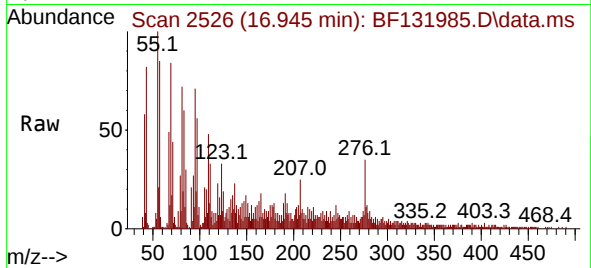




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.971 ng
 RT: 16.945 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

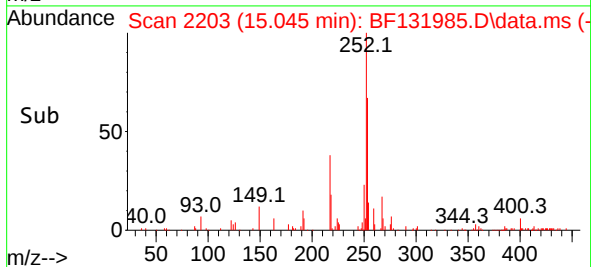
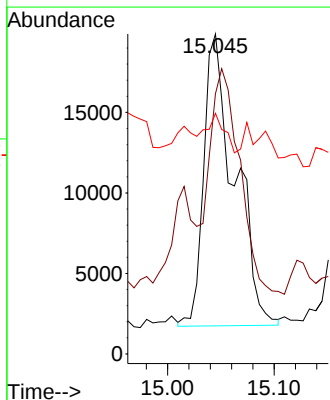
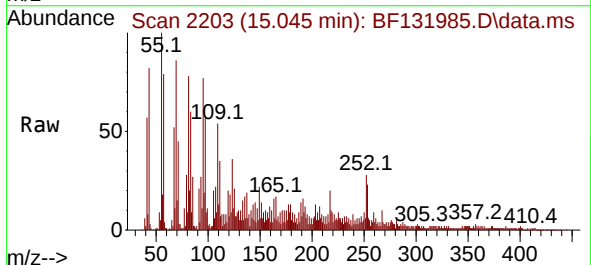
Instrument :
 BNA_F
 ClientSampleId :
 PE-18

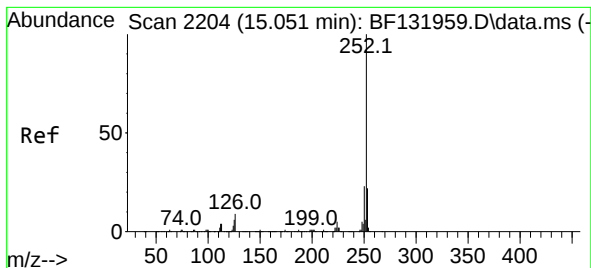
Tgt Ion:276 Resp: 13726
 Ion Ratio Lower Upper
 276 100
 138 8.1 14.2 21.2#
 277 27.2 20.2 30.4



#88
 Benzo(b)fluoranthene
 Concen: 7.080 ng
 RT: 15.045 min Scan# 2203
 Delta R.T. 0.023 min
 Lab File: BF131985.D
 Acq: 10 Jan 2023 02:49

Tgt Ion:252 Resp: 36586
 Ion Ratio Lower Upper
 252 100
 253 81.3 18.0 27.0#
 125 75.2 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 7.094 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18

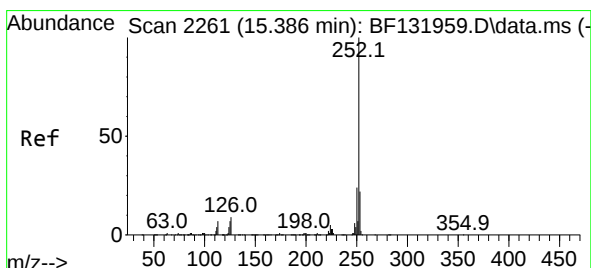
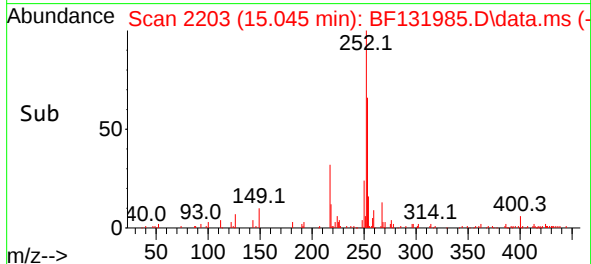
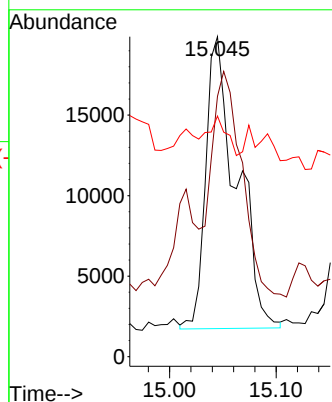
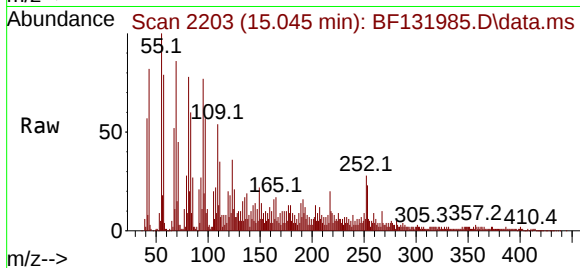
Tgt Ion:252 Resp: 36586

Ion Ratio Lower Upper

252 100

253 81.3 17.8 26.6#

125 75.2 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 4.191 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.023 min

Lab File: BF131985.D

Acq: 10 Jan 2023 02:49

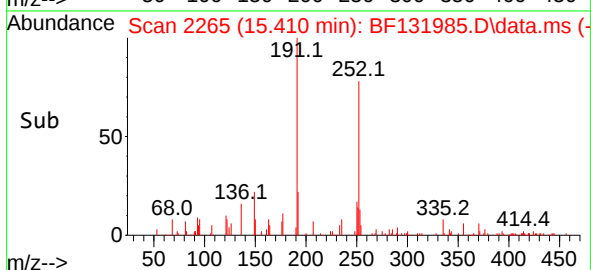
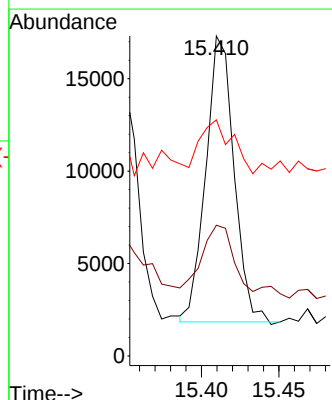
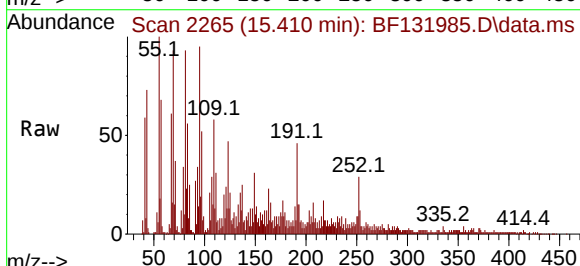
Tgt Ion:252 Resp: 19512

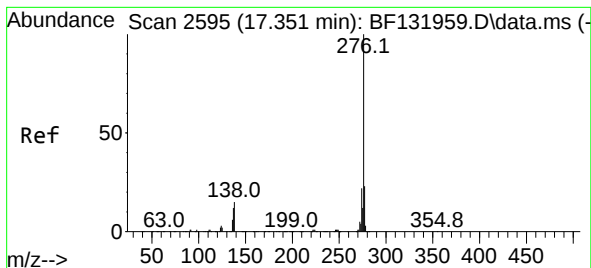
Ion Ratio Lower Upper

252 100

253 40.8 17.4 26.0#

125 73.8 5.7 8.5#





#92

Benzo(g,h,i)perylene

Concen: 7.245 ng

RT: 17.398 min Scan# 20

Delta R.T. 0.047 min

Lab File: BF131985.D

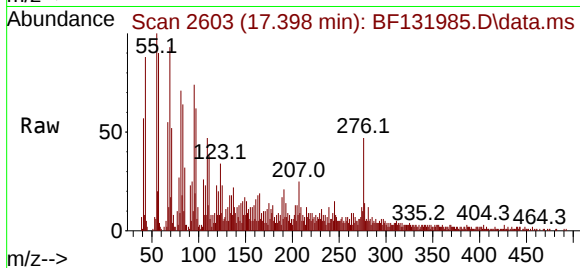
Acq: 10 Jan 2023 02:49

Instrument :

BNA_F

ClientSampleId :

PE-18



Tgt Ion:276 Resp: 16652

Ion Ratio Lower Upper

276 100

277 30.4 18.2 27.2#

138 25.1 11.7 17.5#

