

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070522\
 Data File : BF129133.D
 Acq On : 05 Jul 2022 20:07
 Operator : CG\JU
 Sample : N3568-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07012022

Quant Time: Jul 06 02:26:21 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

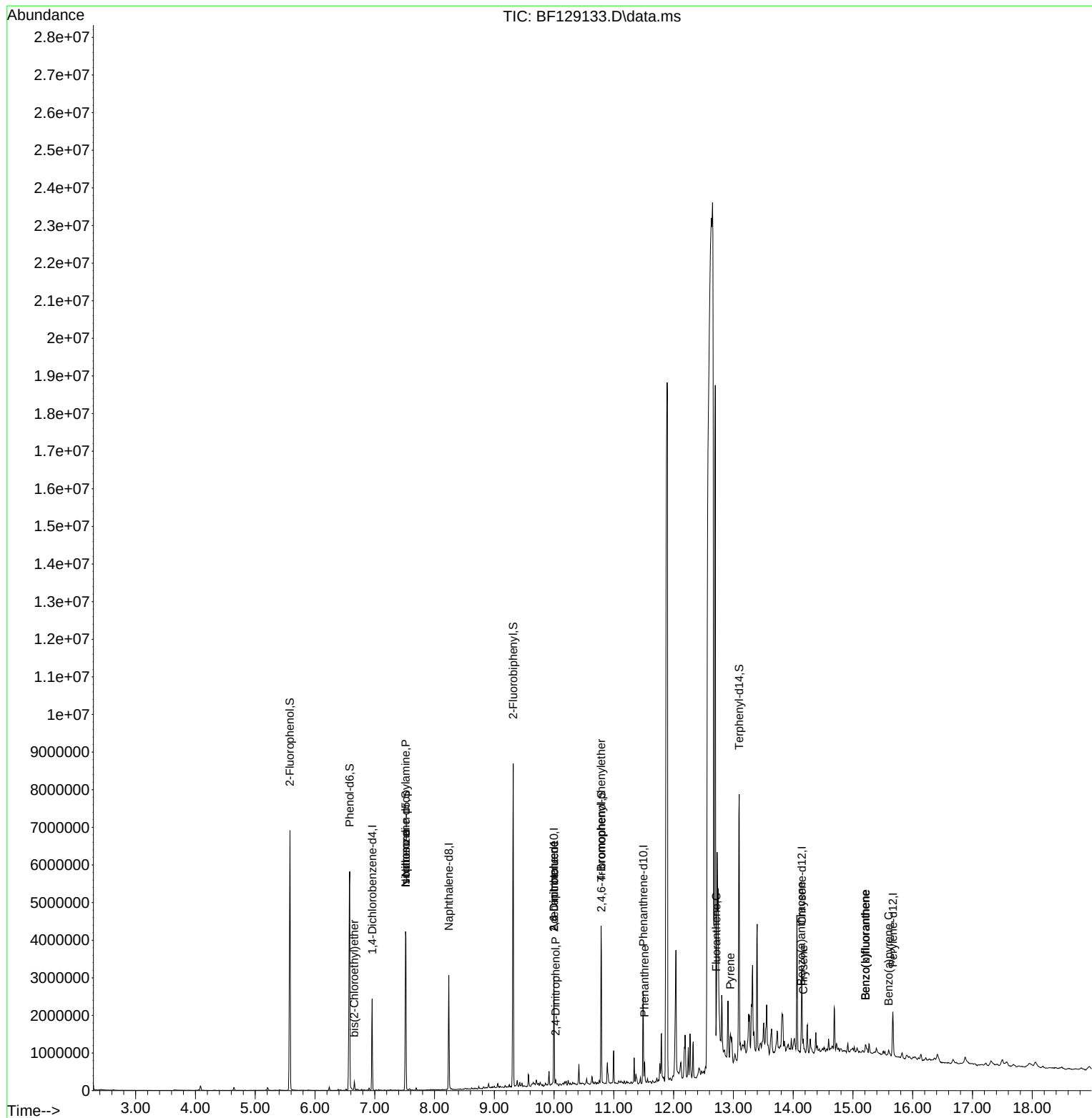
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	342015	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1209662	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	527649	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	849294	20.000	ng	0.00
76) Chrysene-d12	14.145	240	692831	20.000	ng	0.00
86) Perylene-d12	15.668	264	491185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1985523	98.147	ng	0.00
7) Phenol-d6	6.581	99	2400272	95.533	ng	0.00
23) Nitrobenzene-d5	7.516	82	1485228	73.234	ng	-0.01
42) 2,4,6-Tribromophenol	10.792	330	514750	89.718	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	2517332	76.323	ng	0.00
79) Terphenyl-d14	13.098	244	2463682	73.844	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	983	Below Cal	#	47
11) bis(2-Chloroethyl)ether	6.657	93	43528	2.160	ng	# 18
19) n-Nitroso-di-n-propyla...	7.516	70	196854	13.544	ng	# 72
25) Isophorone	7.516	82	1461582	42.643	ng	# 65
51) 2,6-Dinitrotoluene	9.998	165	71464	10.595	ng	# 25
54) 2,4-Dinitrophenol	10.027	184	140	6.901	ng	# 1
57) 2,4-Dinitrotoluene	9.998	165	71464	8.582	ng	# 21
67) 4-Bromophenyl-phenylether	10.786	248	32056	3.548	ng	# 1
71) Phenanthrene	11.516	178	198637	4.895	ng	98
75) Fluoranthene	12.715	202	293224	6.909	ng	97
78) Pyrene	12.951	202	270258	5.628	ng	96
81) Benzo(a)anthracene	14.133	228	114974	2.718	ng	# 90
83) Chrysene	14.168	228	123721	3.150	ng	# 93
88) Benzo(b)fluoranthene	15.209	252	151103	5.115	ng	# 85
89) Benzo(k)fluoranthene	15.209	252	151103	5.274	ng	# 85
90) Benzo(a)pyrene	15.598	252	73328	3.045	ng	# 85

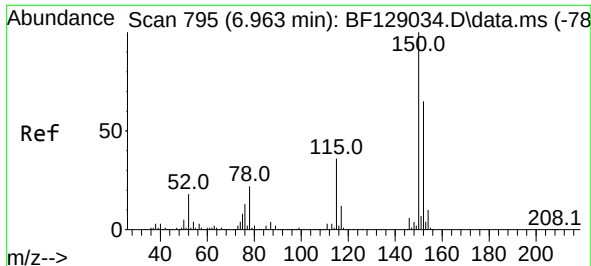
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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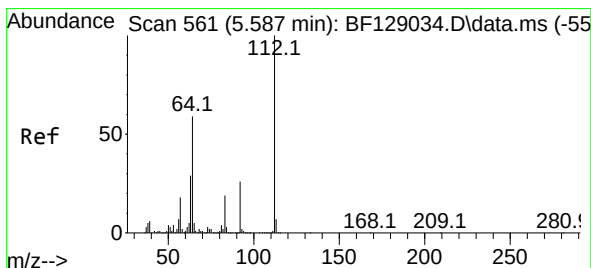
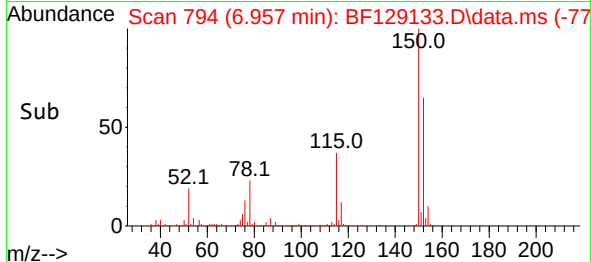
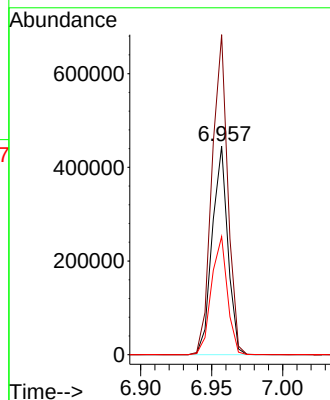
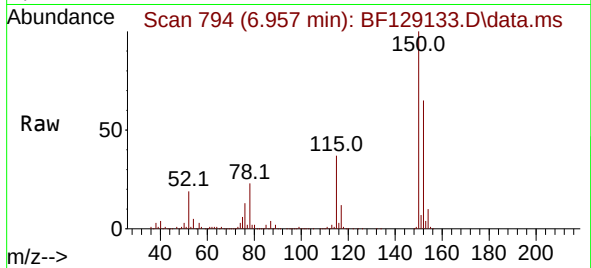




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

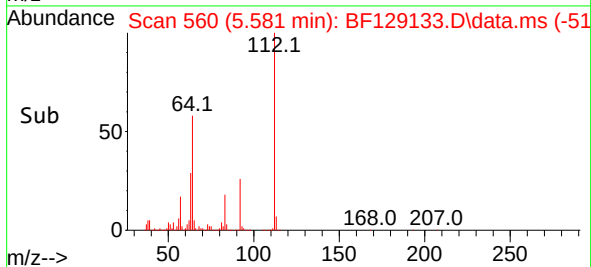
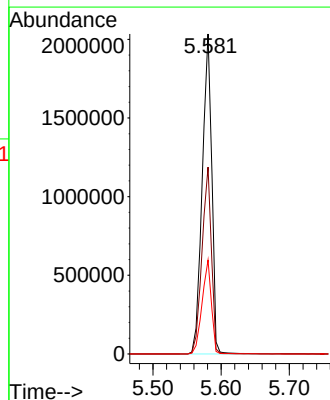
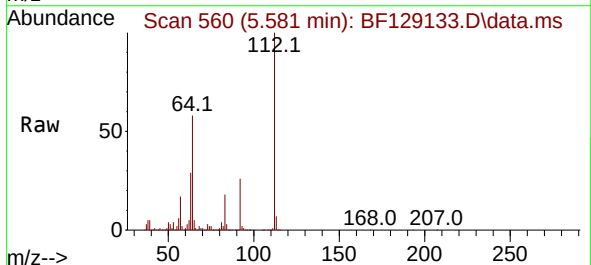
Instrument :
BNA_F
ClientSampleId :
TR-05-07012022

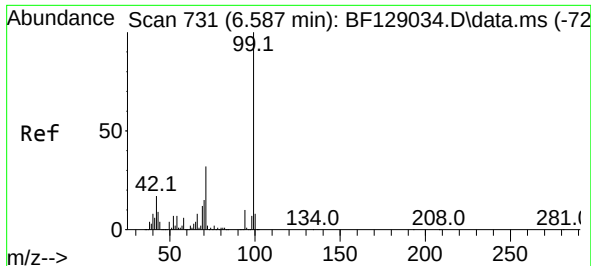
Tgt Ion:152 Resp: 342015
Ion Ratio Lower Upper
152 100
150 153.5 123.7 185.5
115 56.6 49.9 74.9



#5
2-Fluorophenol
Concen: 98.147 ng
RT: 5.581 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion:112 Resp: 1985523
Ion Ratio Lower Upper
112 100
64 58.4 53.3 79.9
63 29.3 28.0 42.0





#7

Phenol-d6

Concen: 95.533 ng

RT: 6.581 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Instrument :

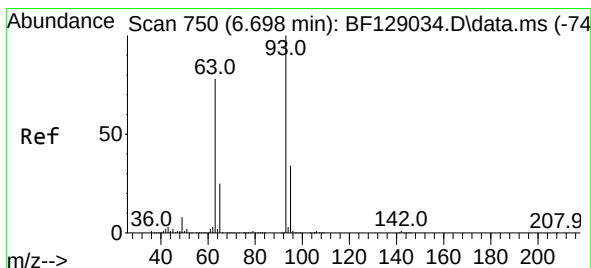
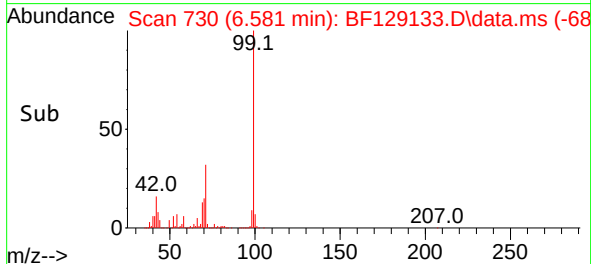
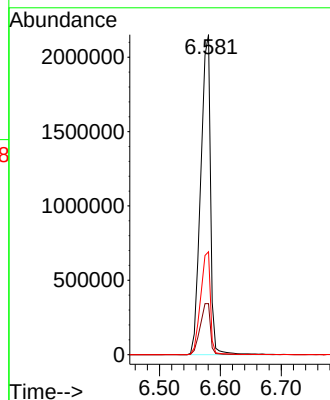
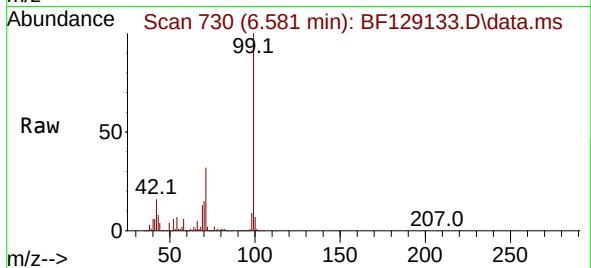
BNA_F

ClientSampleId :

TR-05-07012022

Tgt Ion: 99 Resp: 2400272

Ion	Ratio	Lower	Upper
99	100		
42	16.0	17.3	25.9#
71	32.1	28.9	43.3



#11

bis(2-Chloroethyl)ether

Concen: 2.160 ng

RT: 6.657 min Scan# 743

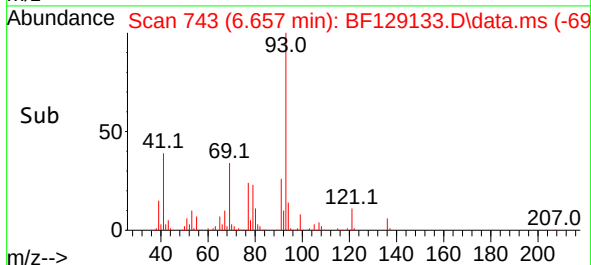
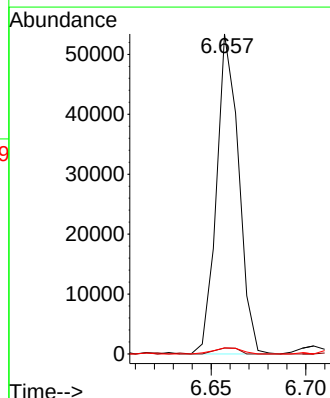
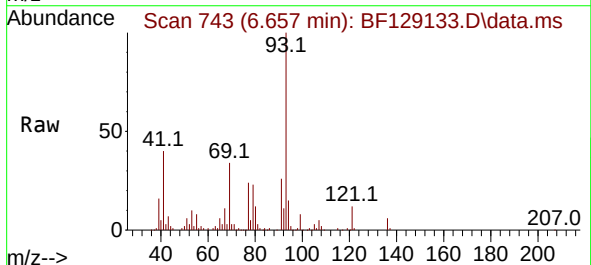
Delta R.T. -0.041 min

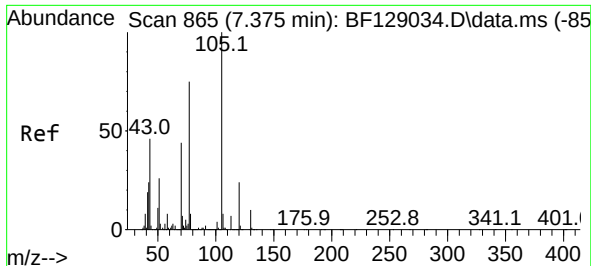
Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Tgt Ion: 93 Resp: 43528

Ion	Ratio	Lower	Upper
93	100		
63	1.8	67.4	107.4#
95	1.9	12.7	52.7#

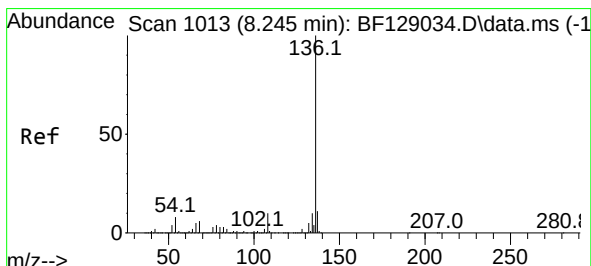
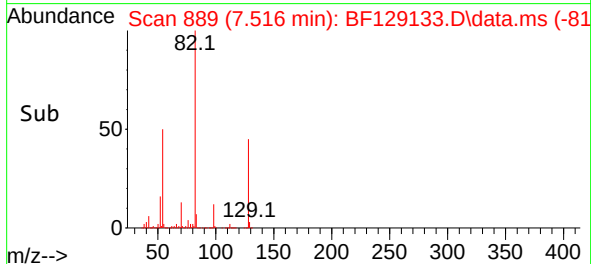
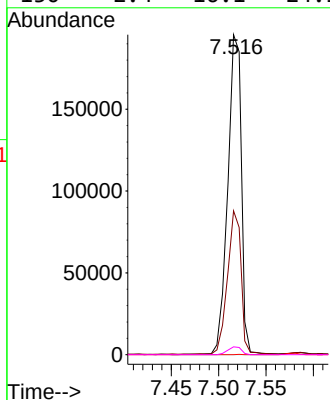
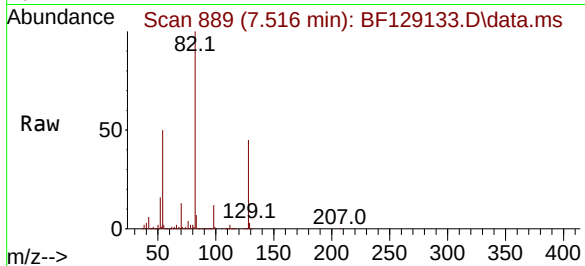




#19
n-Nitroso-di-n-propylamine
Concen: 13.544 ng
RT: 7.516 min Scan# 81
Delta R.T. 0.141 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

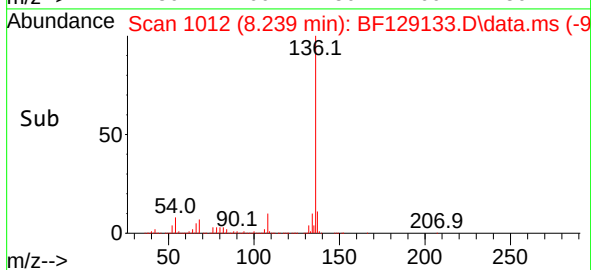
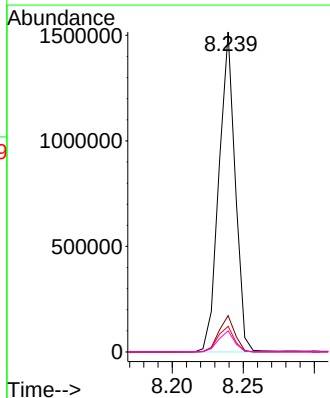
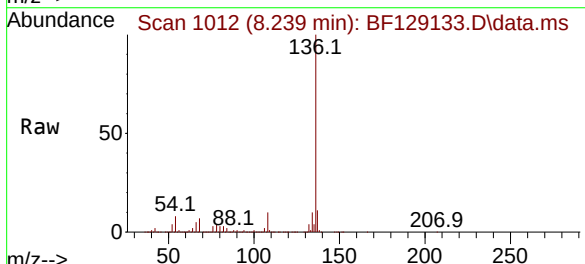
Instrument :
BNA_F
ClientSampleId :
TR-05-07012022

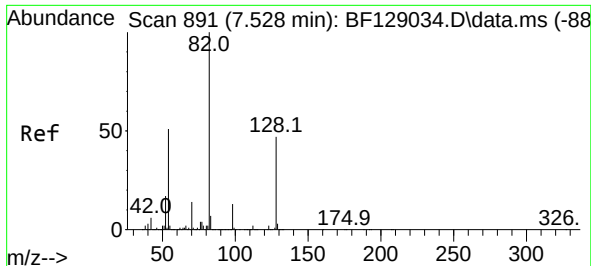
Tgt Ion: 70 Resp: 196854
Ion Ratio Lower Upper
70 100
42 44.9 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion: 136 Resp: 1209662
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.0 7.5 11.3
68 6.6 4.7 7.1





#23

Nitrobenzene-d5

Concen: 73.234 ng

RT: 7.516 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Instrument :

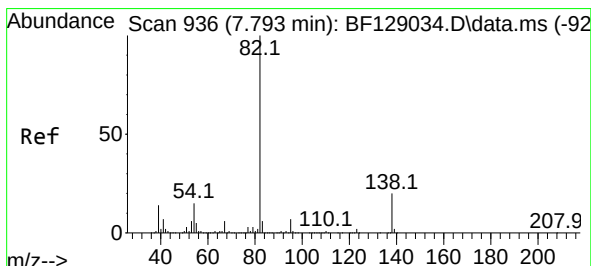
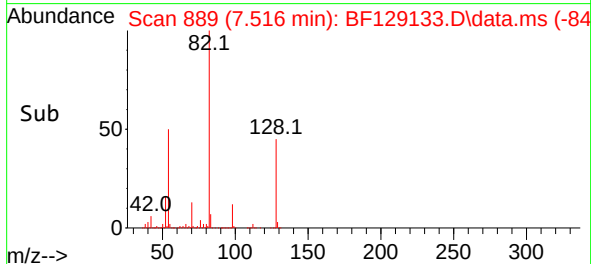
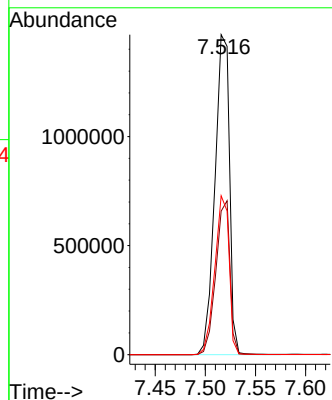
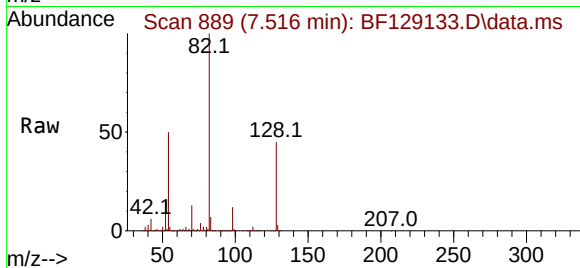
BNA_F

ClientSampleId :

TR-05-07012022

Tgt Ion: 82 Resp: 1485228

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	49.7	46.9	70.3



#25

Isophorone

Concen: 42.643 ng

RT: 7.516 min Scan# 889

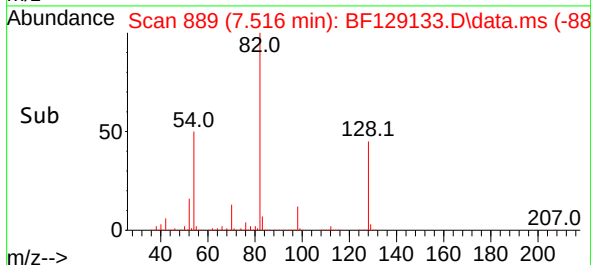
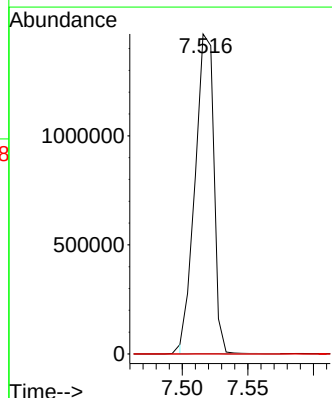
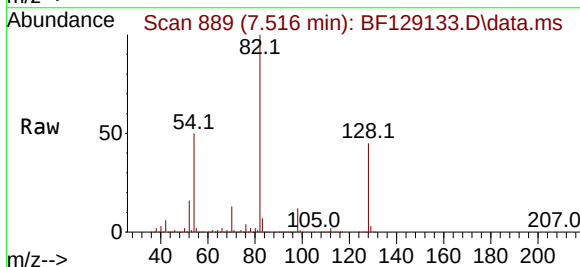
Delta R.T. -0.277 min

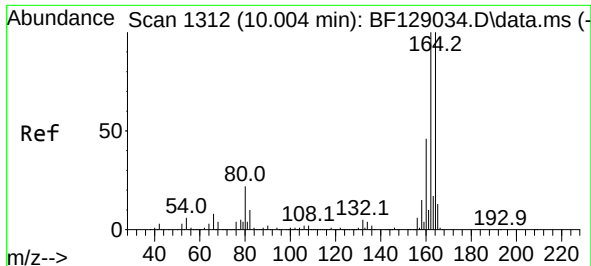
Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Tgt Ion: 82 Resp: 1461582

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	14.2	21.2#

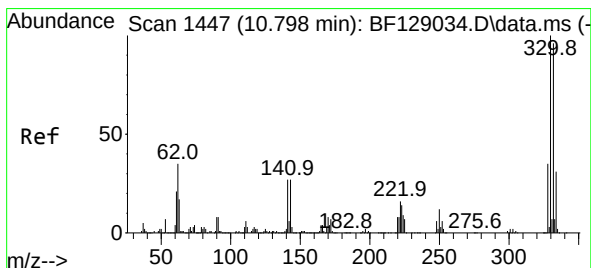
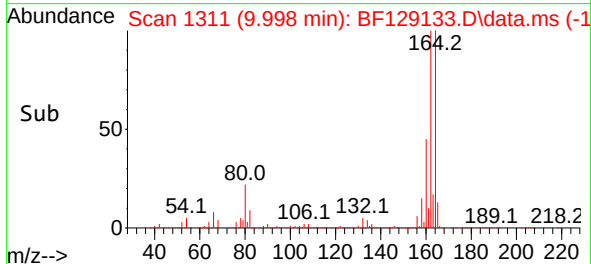
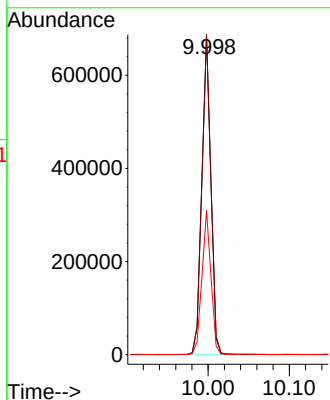
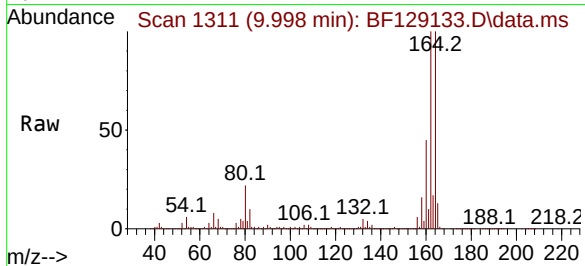




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

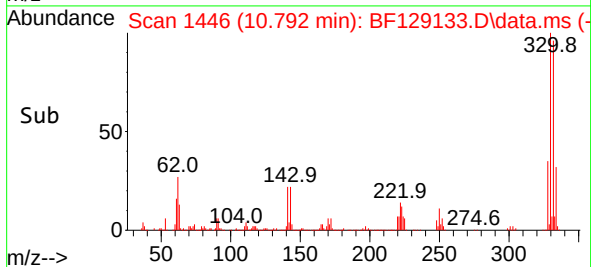
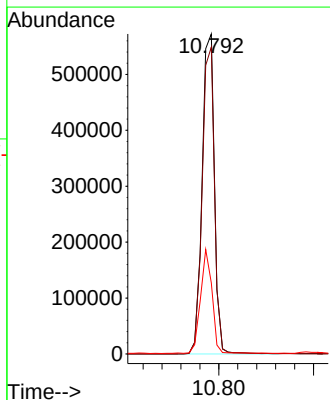
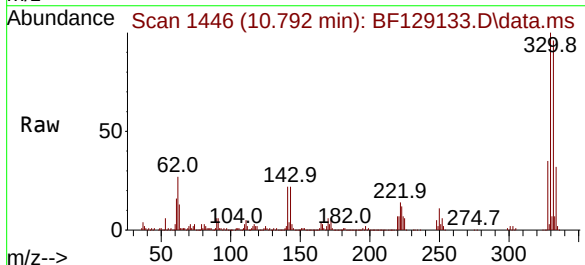
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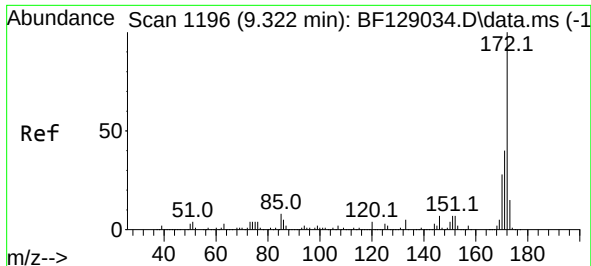
Tgt Ion:164 Resp: 527649
Ion Ratio Lower Upper
164 100
162 99.9 79.5 119.3
160 45.1 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 89.718 ng
RT: 10.792 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion:330 Resp: 514750
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 30.5 28.0 42.0

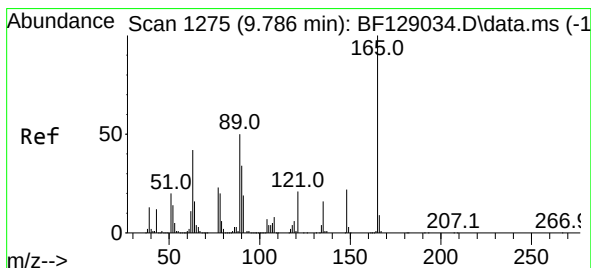
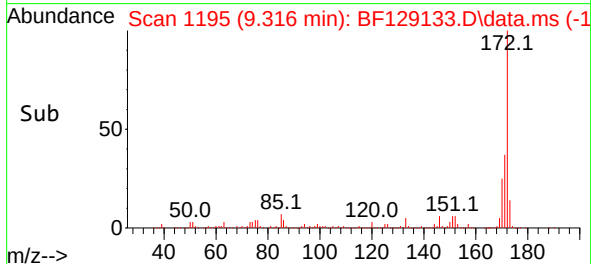
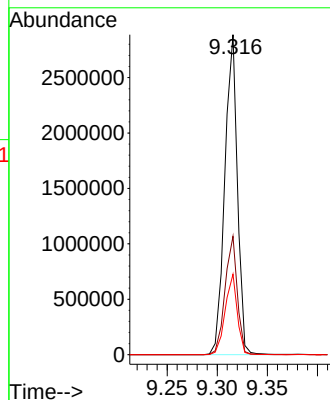
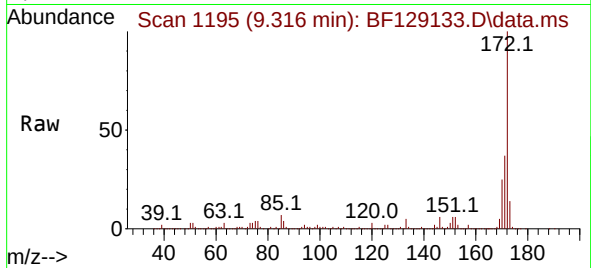




#45
2-Fluorobiphenyl
Concen: 76.323 ng
RT: 9.316 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

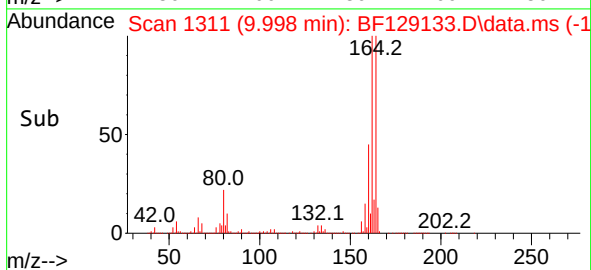
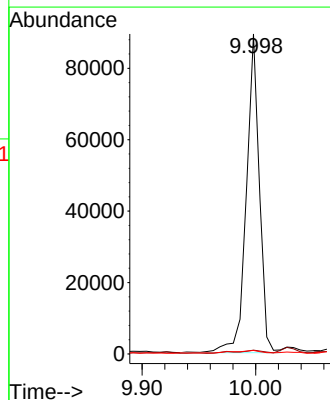
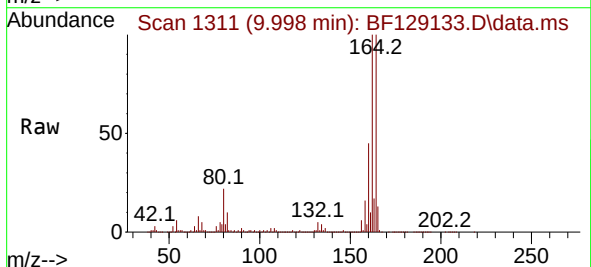
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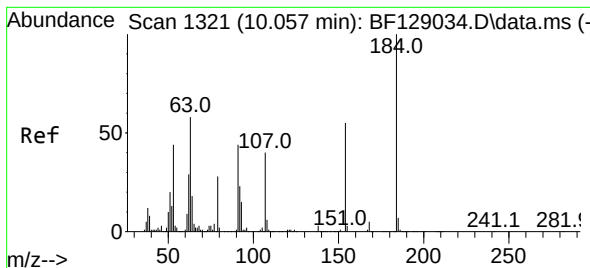
Tgt Ion:172 Resp: 2517332
Ion Ratio Lower Upper
172 100
171 37.0 28.8 43.2
170 25.2 19.8 29.8



#51
2,6-Dinitrotoluene
Concen: 10.595 ng
RT: 9.998 min Scan# 1311
Delta R.T. 0.212 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion:165 Resp: 71464
Ion Ratio Lower Upper
165 100
63 1.2 44.9 67.3#
89 1.1 43.6 65.4#

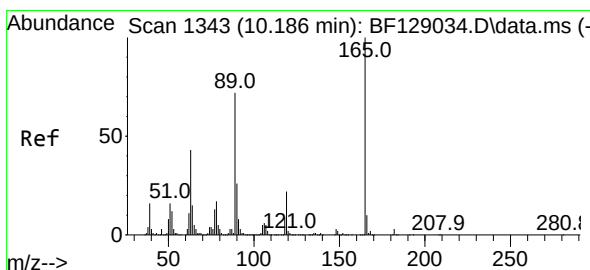
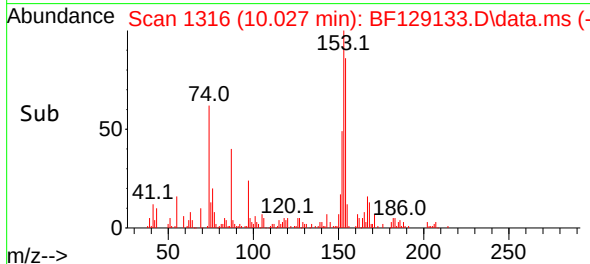
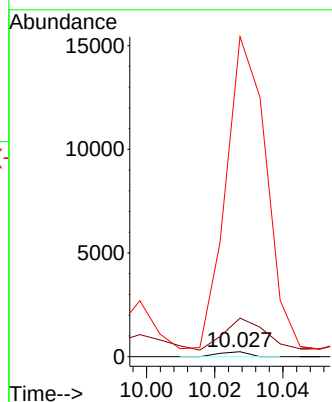
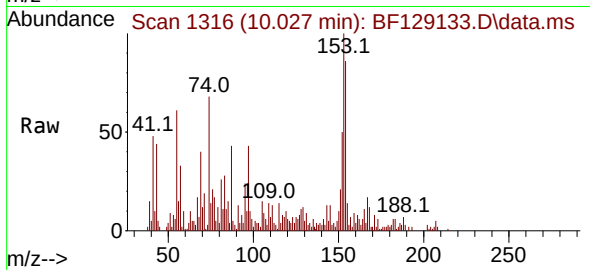




#54
2,4-Dinitrophenol
Concen: 6.901 ng
RT: 10.027 min Scan# 1316
Delta R.T. -0.030 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

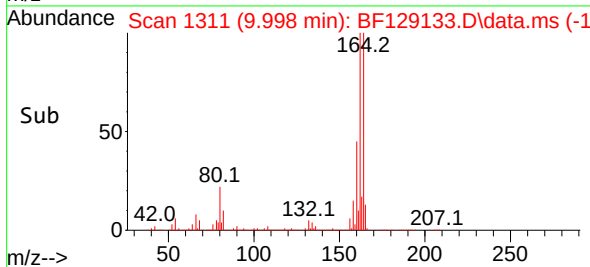
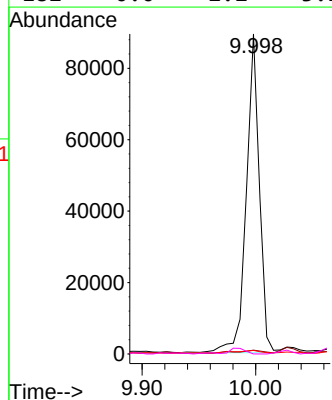
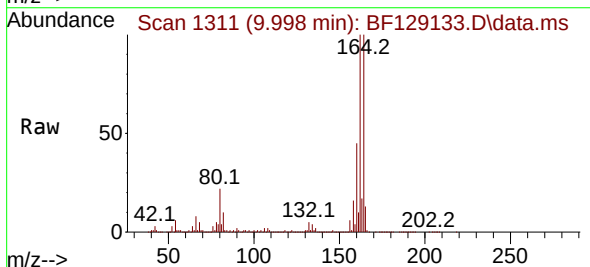
Instrument :
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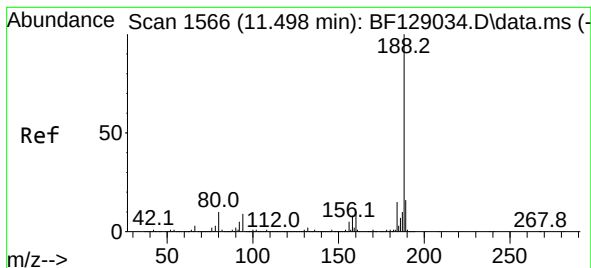
Tgt Ion:184 Resp: 140
Ion Ratio Lower Upper
184 100
63 789.0 64.5 96.7#
154 6537.3 50.6 75.8#



#57
2,4-Dinitrotoluene
Concen: 8.582 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.188 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion:165 Resp: 71464
Ion Ratio Lower Upper
165 100
63 1.2 39.8 59.6#
89 1.1 60.2 90.2#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.492 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Instrument :

BNA_F

ClientSampleId :

TR-05-07012022

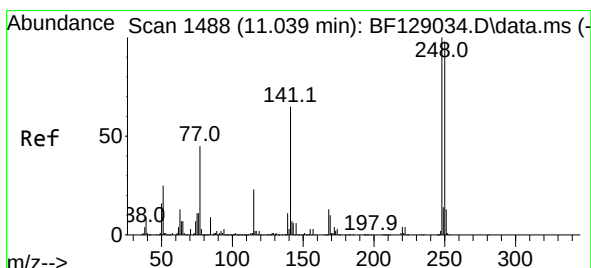
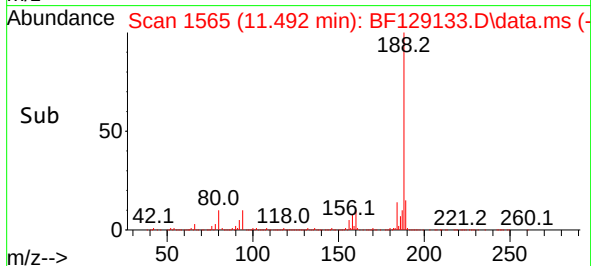
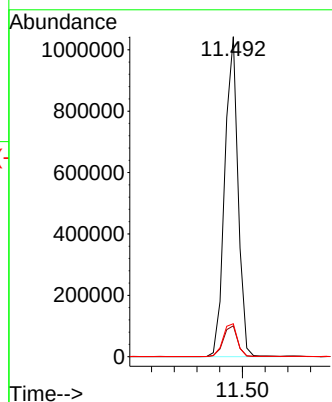
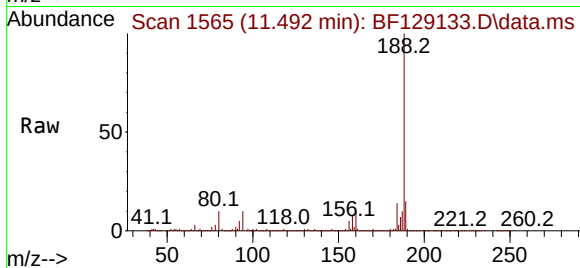
Tgt Ion:188 Resp: 849294

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

80 10.3 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 3.548 ng

RT: 10.786 min Scan# 1445

Delta R.T. -0.253 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

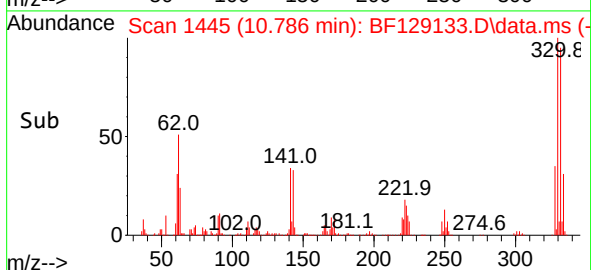
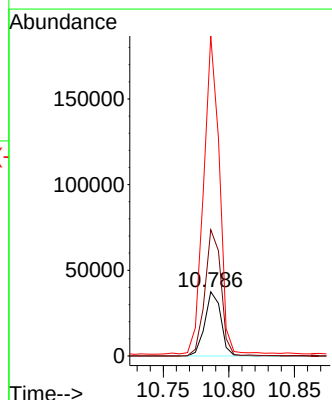
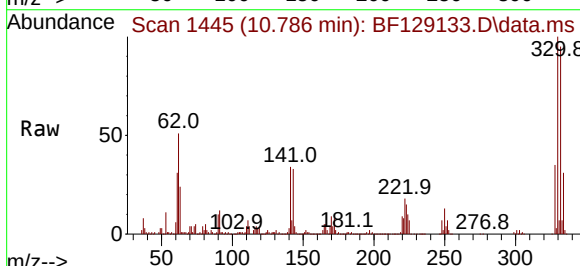
Tgt Ion:248 Resp: 32056

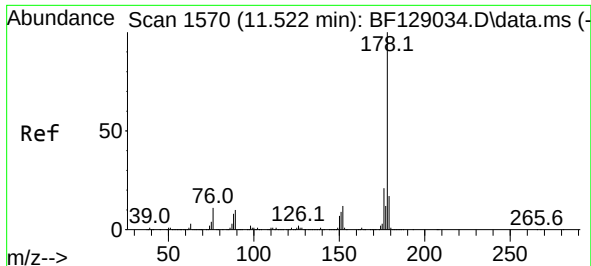
Ion Ratio Lower Upper

248 100

250 196.7 80.6 120.8#

141 498.5 58.9 88.3#

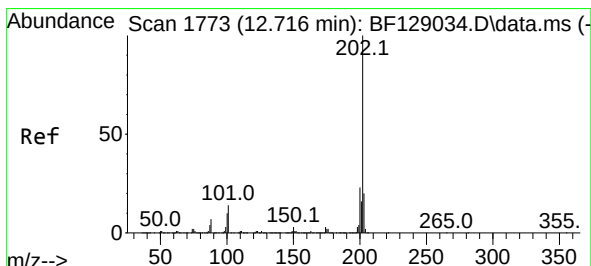
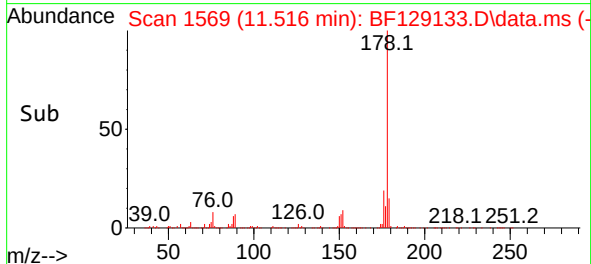
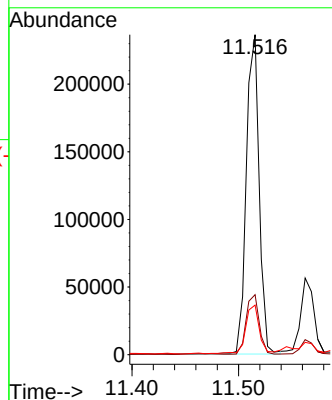
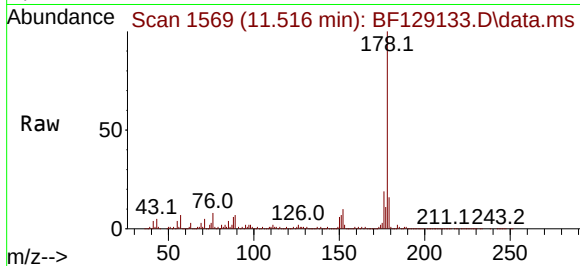




#71
Phenanthrene
Concen: 4.895 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

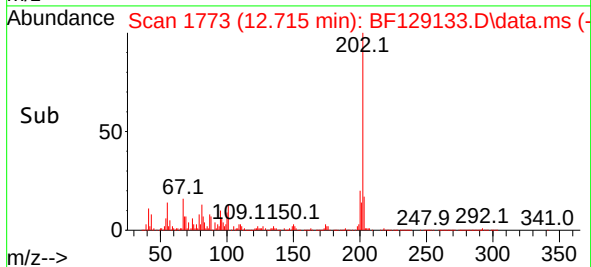
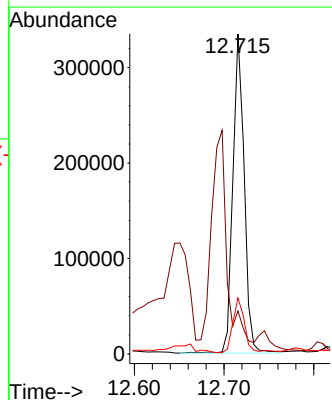
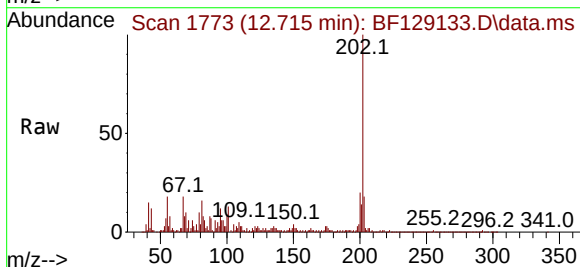
Instrument :
BNA_F
ClientSampleId :
TR-05-07012022

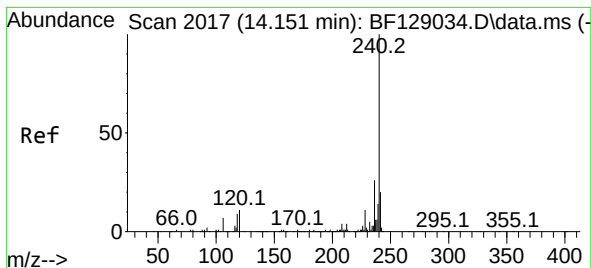
Tgt Ion:178 Resp: 198637
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.5 12.6 19.0



#75
Fluoranthene
Concen: 6.909 ng
RT: 12.715 min Scan# 1773
Delta R.T. -0.000 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion:202 Resp: 293224
Ion Ratio Lower Upper
202 100
101 13.4 0.0 31.4
203 17.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.145 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Instrument :

BNA_F

ClientSampleId :

TR-05-07012022

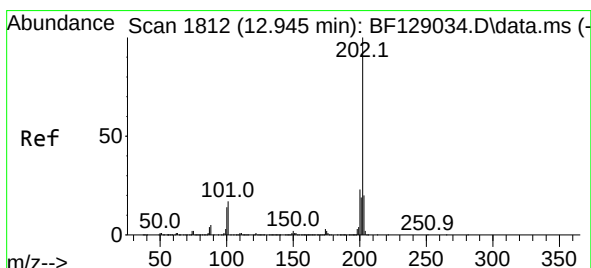
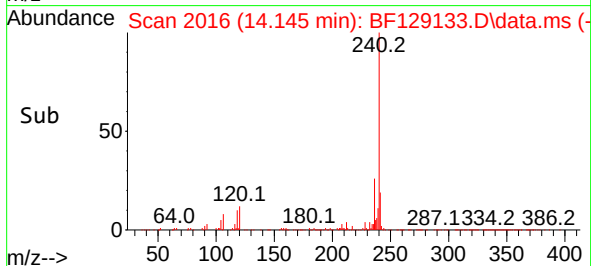
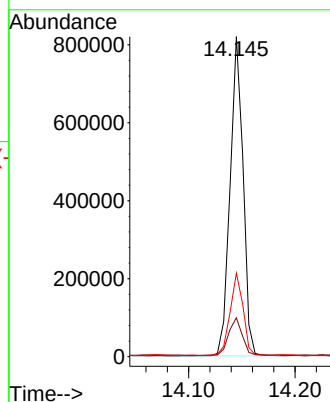
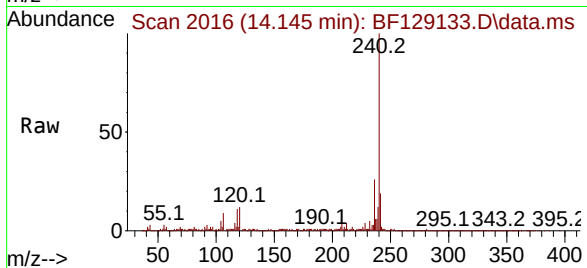
Tgt Ion:240 Resp: 692831

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

236 26.1 20.8 31.2



#78

Pyrene

Concen: 5.628 ng

RT: 12.951 min Scan# 1813

Delta R.T. 0.006 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

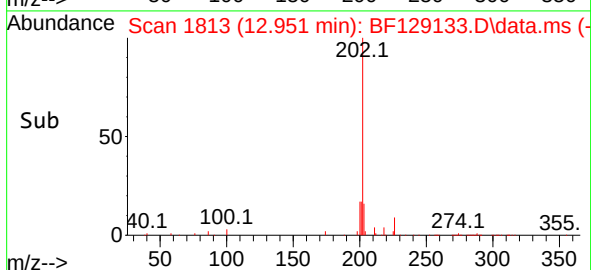
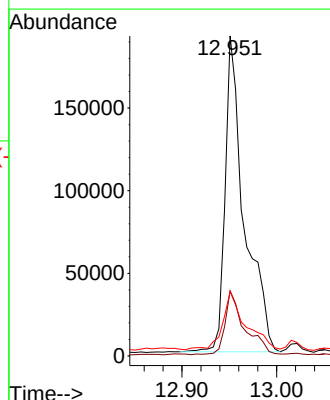
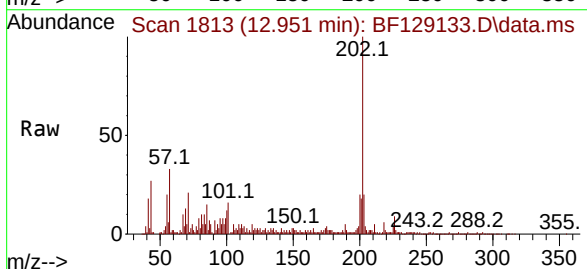
Tgt Ion:202 Resp: 270258

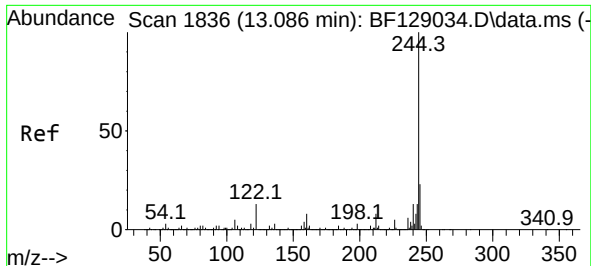
Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

203 20.1 14.6 21.8

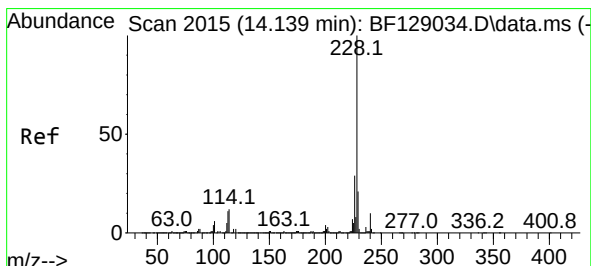
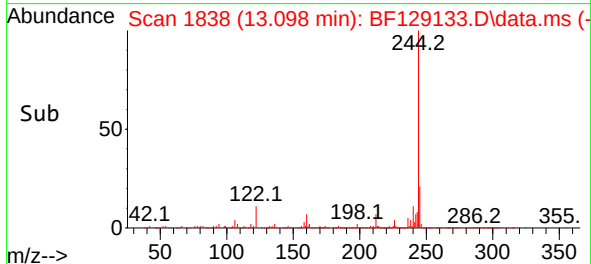
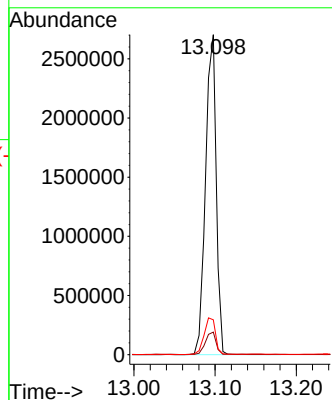
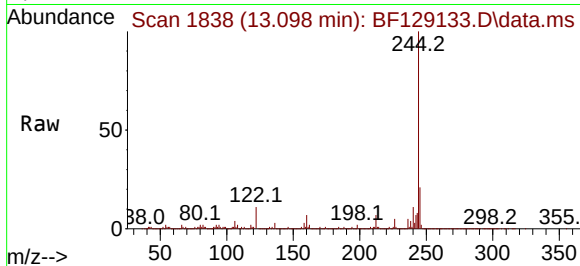




#79
 Terphenyl-d14
 Concen: 73.844 ng
 RT: 13.098 min Scan# 11
 Delta R.T. 0.011 min
 Lab File: BF129133.D
 Acq: 05 Jul 2022 20:07

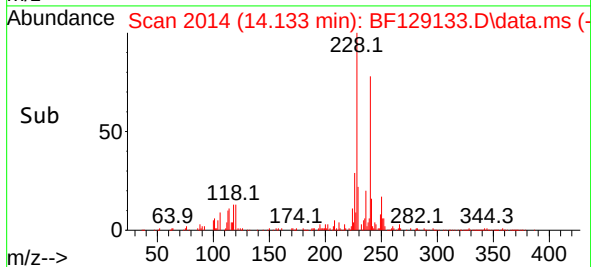
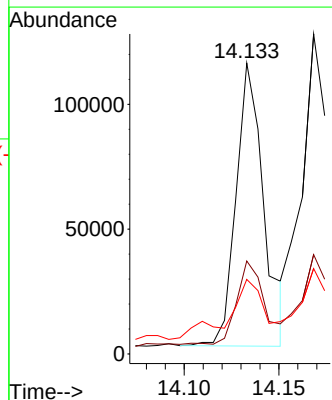
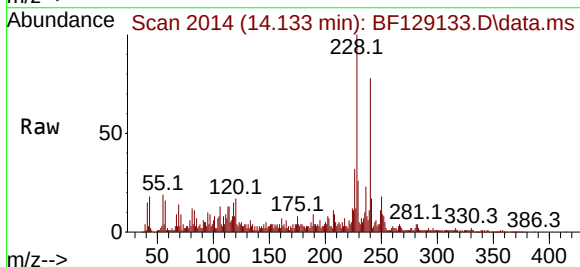
Instrument :
 BNA_F
 ClientSampleId :
 TR-05-07012022

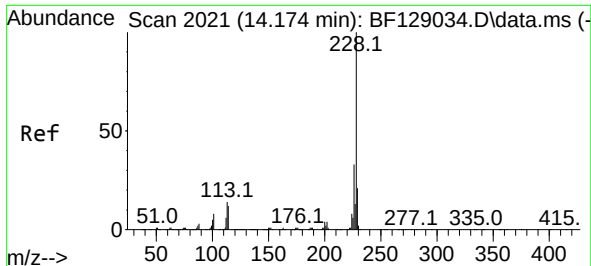
Tgt Ion:244 Resp: 2463682
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 10.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 2.718 ng
 RT: 14.133 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF129133.D
 Acq: 05 Jul 2022 20:07

Tgt Ion:228 Resp: 114974
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.1 33.1
 229 25.7 15.8 23.8#

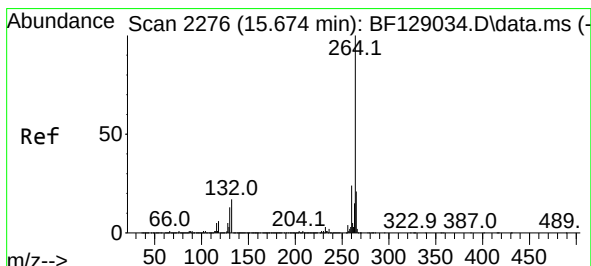
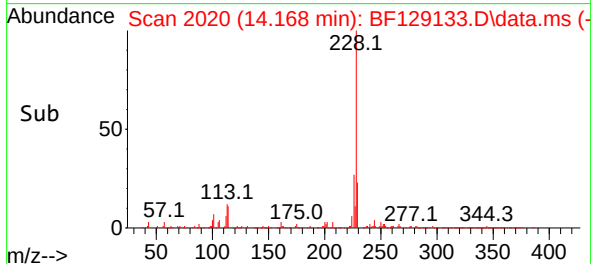
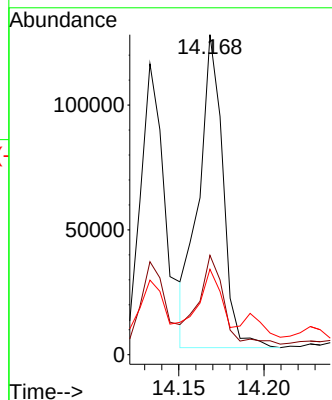
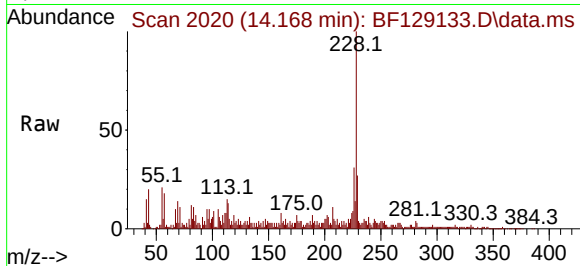




#83
Chrysene
Concen: 3.150 ng
RT: 14.168 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

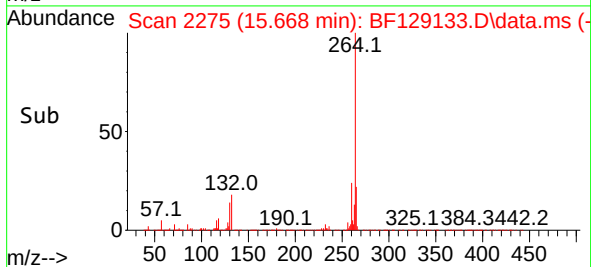
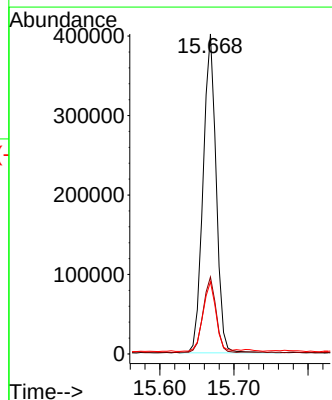
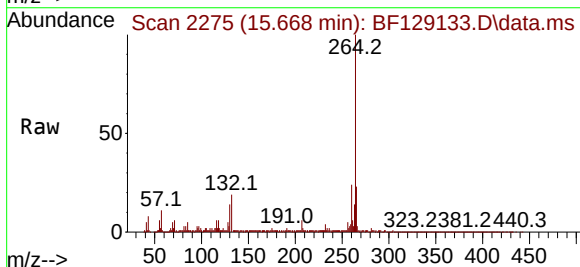
Instrument :
BNA_F
ClientSampleId :
TR-05-07012022

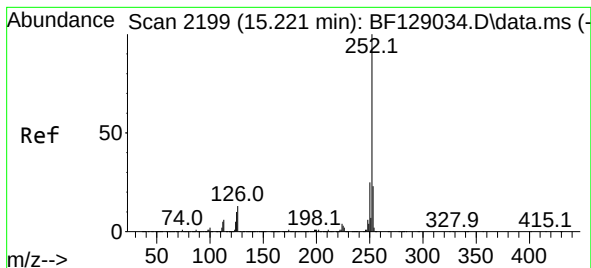
Tgt Ion:228 Resp: 123721
Ion Ratio Lower Upper
228 100
226 31.1 24.3 36.5
229 26.7 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF129133.D
Acq: 05 Jul 2022 20:07

Tgt Ion:264 Resp: 491185
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 22.6 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 5.115 ng

RT: 15.209 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

Instrument :

BNA_F

ClientSampleId :

TR-05-07012022

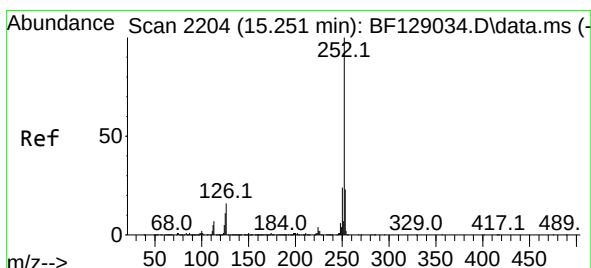
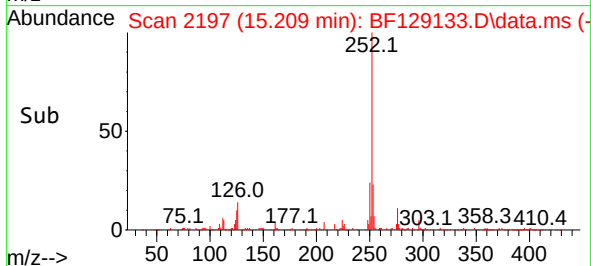
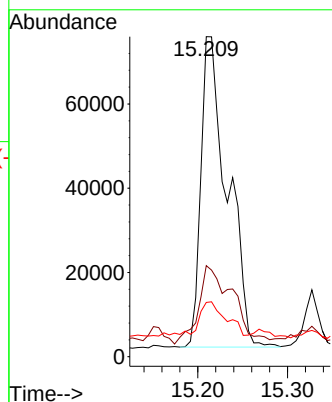
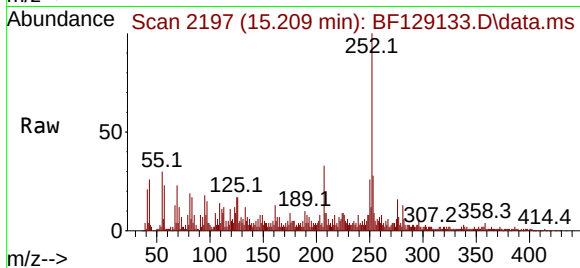
Tgt Ion:252 Resp: 151103

Ion Ratio Lower Upper

252 100

253 28.5 17.7 26.5#

125 17.0 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 5.274 ng

RT: 15.209 min Scan# 2197

Delta R.T. -0.041 min

Lab File: BF129133.D

Acq: 05 Jul 2022 20:07

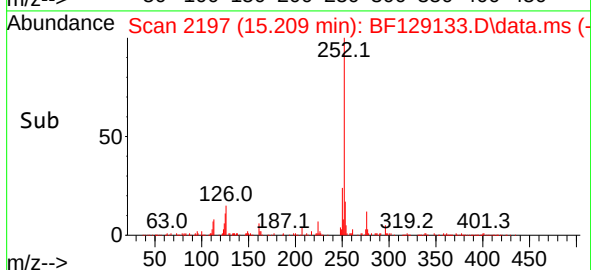
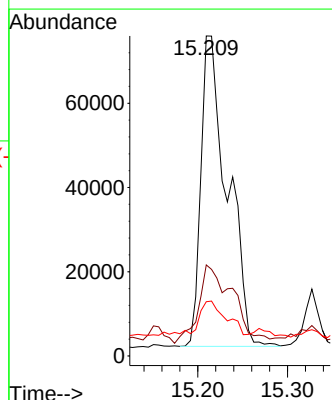
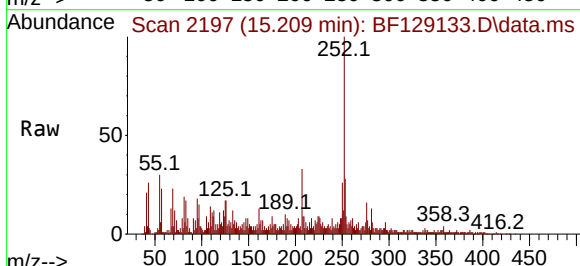
Tgt Ion:252 Resp: 151103

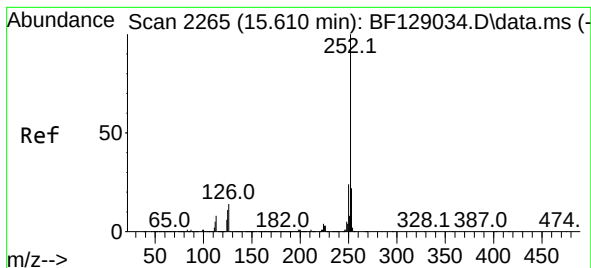
Ion Ratio Lower Upper

252 100

253 28.5 17.8 26.6#

125 17.0 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 3.045 ng

RT: 15.598 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129133.D

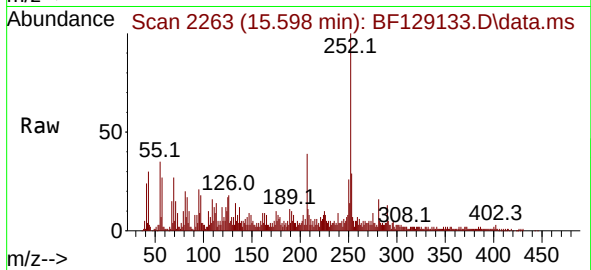
Acq: 05 Jul 2022 20:07

Instrument :

BNA_F

ClientSampleId :

TR-05-07012022



Tgt Ion:252 Resp: 73328

Ion Ratio Lower Upper

252 100

253 28.7 17.0 25.6#

125 16.8 8.8 13.2#

