

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129674.D
 Acq On : 09 Aug 2022 19:28
 Operator : CG\JU
 Sample : N3963-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-219

Quant Time: Aug 10 05:33:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

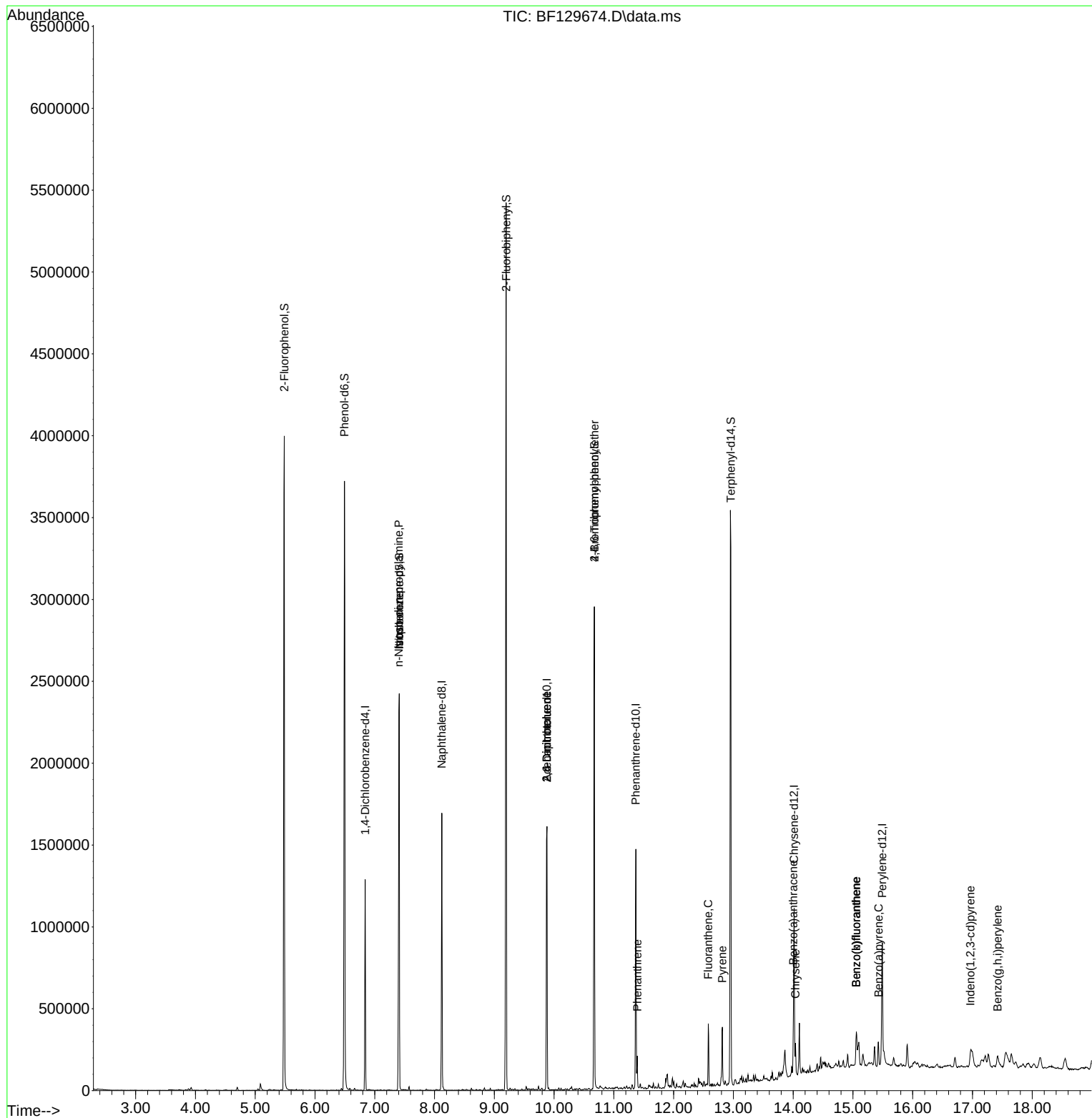
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	172601	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	681630	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	334279	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	494208	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	310153	20.000	ng	-0.01
86) Perylene-d12	15.492	264	317577	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1108572	104.626	ng	0.00
7) Phenol-d6	6.492	99	1397802	104.956	ng	-0.01
23) Nitrobenzene-d5	7.410	82	878297	70.339	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	331837	103.252	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1558897	72.141	ng	-0.01
79) Terphenyl-d14	12.957	244	1252093	76.162	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	116494	14.449	ng	# 74
25) Isophorone	7.410	82	874037	39.050	ng	# 65
51) 2,6-Dinitrotoluene	9.880	165	43868	8.493	ng	# 25
57) 2,4-Dinitrotoluene	9.880	165	43868	6.502	ng	# 21
67) 4-Bromophenyl-phenylether	10.674	248	20414	3.772	ng	# 1
71) Phenanthrene	11.392	178	63456	2.352	ng	97
75) Fluoranthene	12.580	202	137945	5.047	ng	96
78) Pyrene	12.816	202	140987	5.436	ng	98
81) Benzo(a)anthracene	14.004	228	64551	3.047	ng	96
83) Chrysene	14.039	228	67960	3.404	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	48264	2.257	ng	95
88) Benzo(b)fluoranthene	15.057	252	139248	6.610	ng	# 98
89) Benzo(k)fluoranthene	15.057	252	139248	6.745	ng	# 98
90) Benzo(a)pyrene	15.427	252	70144	4.102	ng	# 96
92) Benzo(g,h,i)perylene	17.421	276	46667	2.624	ng	96

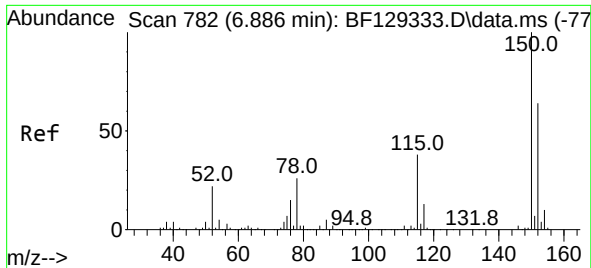
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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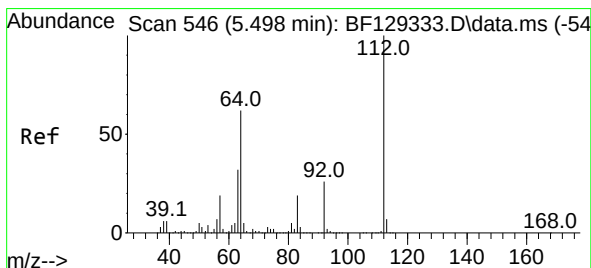
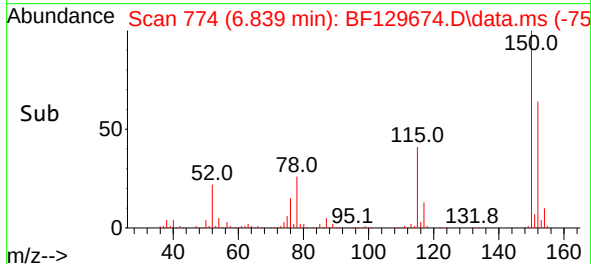
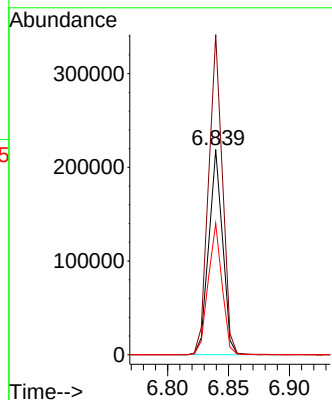
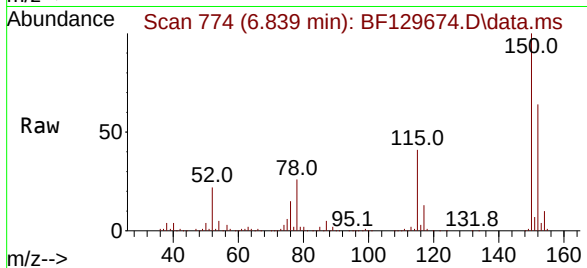




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

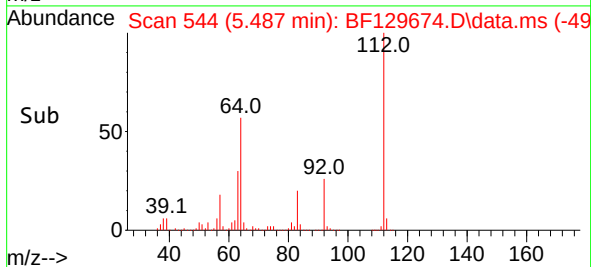
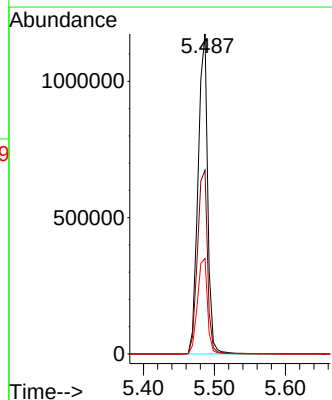
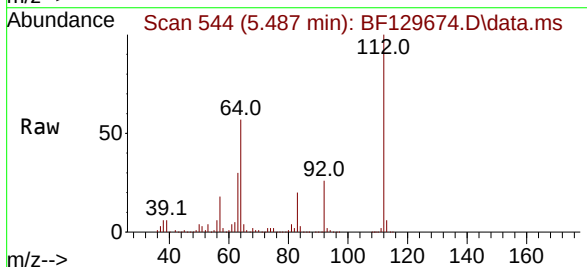
Instrument :
BNA_F
ClientSampleId :
RVE-219

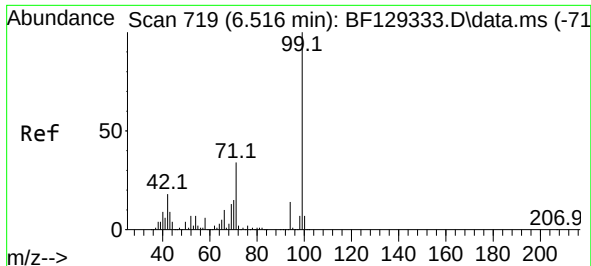
Tgt Ion:152 Resp: 172601
Ion Ratio Lower Upper
152 100
150 156.0 123.7 185.5
115 63.9 49.9 74.9



#5
2-Fluorophenol
Concen: 104.626 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion:112 Resp: 1108572
Ion Ratio Lower Upper
112 100
64 57.4 53.3 79.9
63 29.9 28.0 42.0



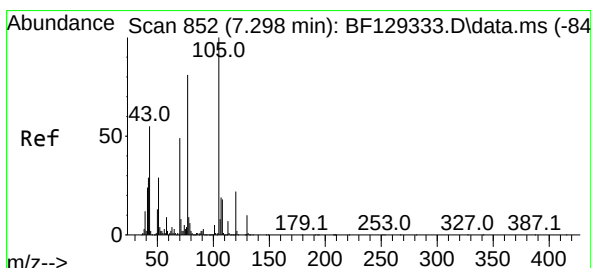
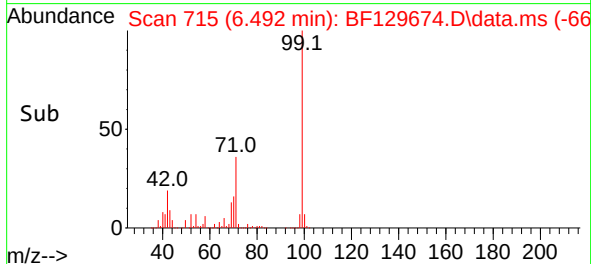
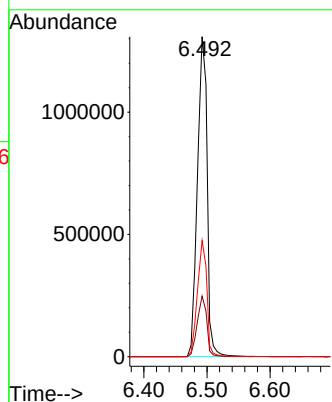
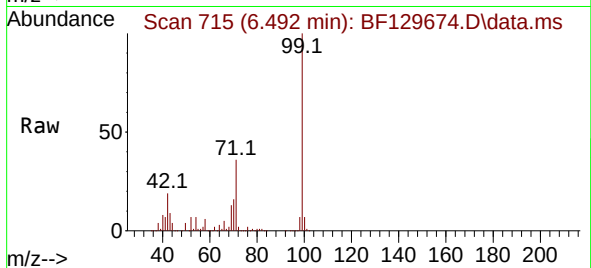


#7
Phenol-d6
Concen: 104.956 ng
RT: 6.492 min Scan# 715
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Instrument :
BNA_F
ClientSampleId :
RVE-219

Tgt Ion: 99 Resp: 1397802

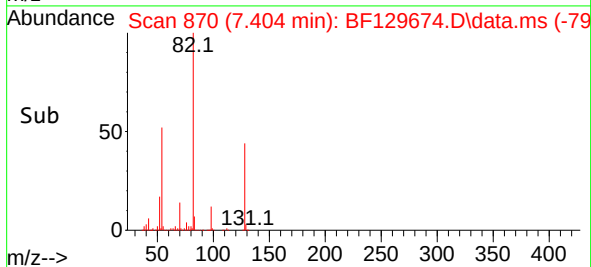
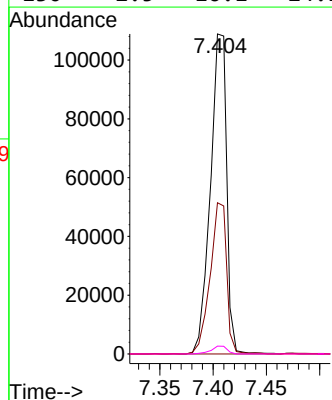
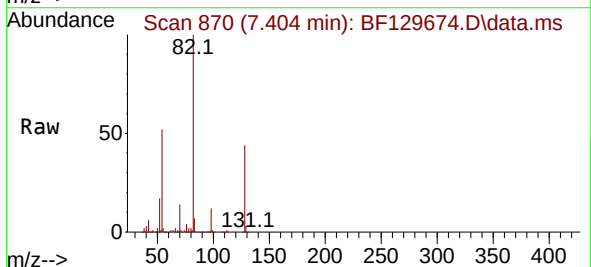
Ion	Ratio	Lower	Upper
99	100		
42	19.0	17.3	25.9
71	36.3	28.9	43.3

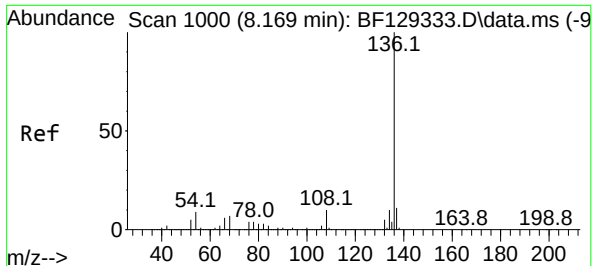


#19
n-Nitroso-di-n-propylamine
Concen: 14.449 ng
RT: 7.404 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion: 70 Resp: 116494

Ion	Ratio	Lower	Upper
70	100		
42	47.2	52.3	78.5#
101	0.0	7.5	11.3#
130	2.5	16.1	24.1#



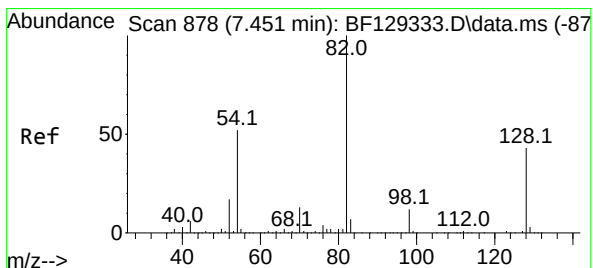
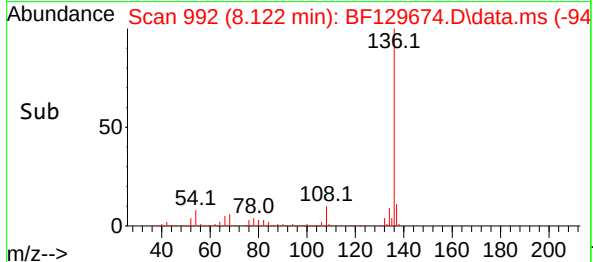
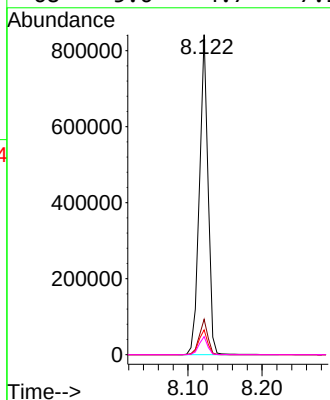
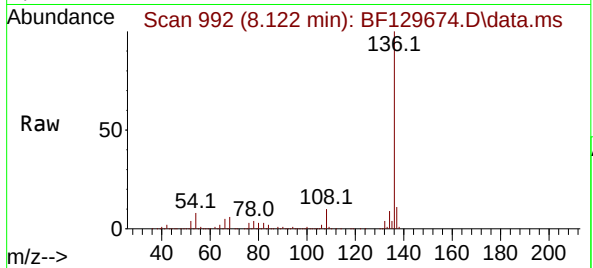


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Instrument :
BNA_F
ClientSampleId :
RVE-219

Tgt Ion:136 Resp: 681630

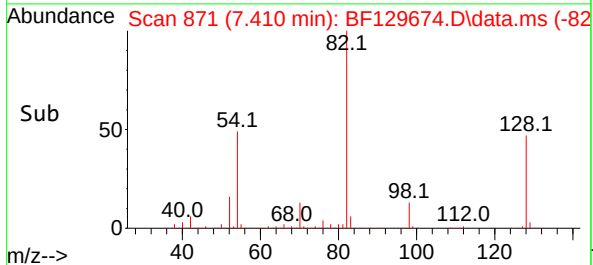
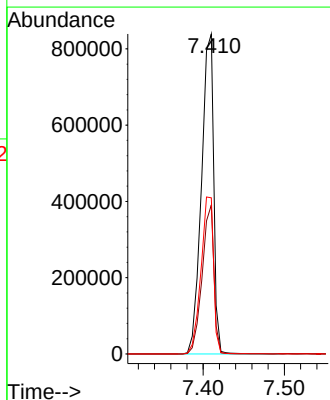
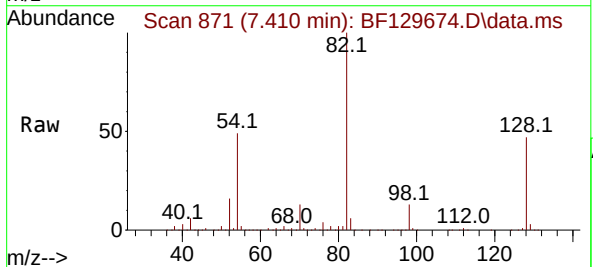
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.8	7.5	11.3
68	5.6	4.7	7.1

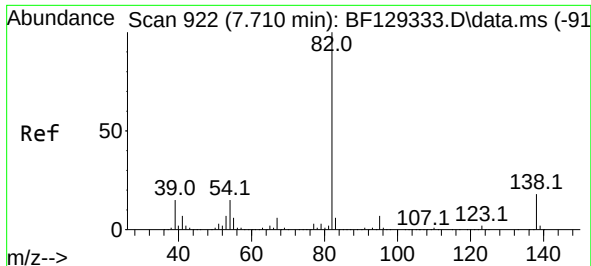


#23
Nitrobenzene-d5
Concen: 70.339 ng
RT: 7.410 min Scan# 871
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion: 82 Resp: 878297

Ion	Ratio	Lower	Upper
82	100		
128	46.5	34.0	51.0
54	48.8	46.9	70.3

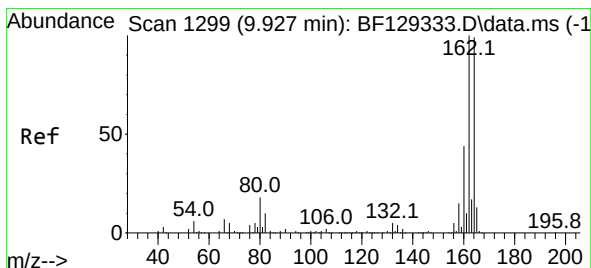
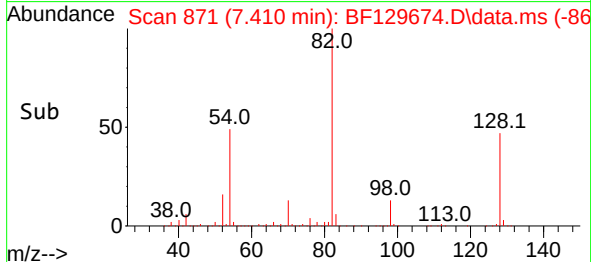
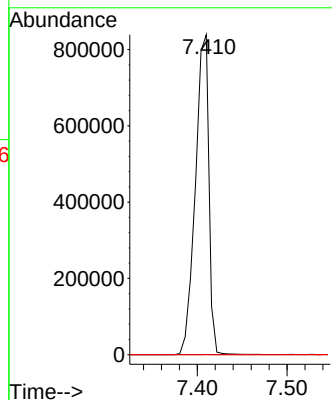
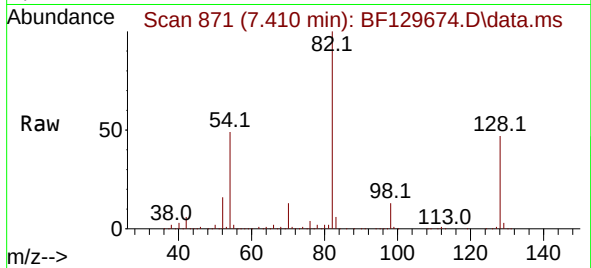




#25
Isophorone
Concen: 39.050 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

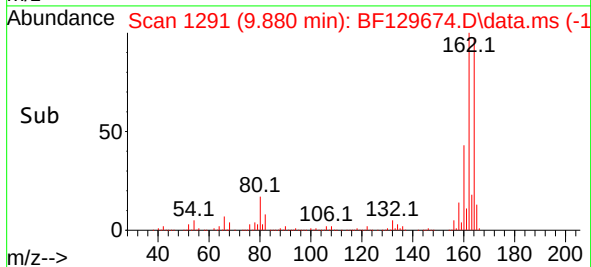
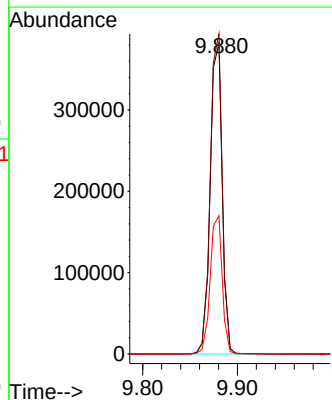
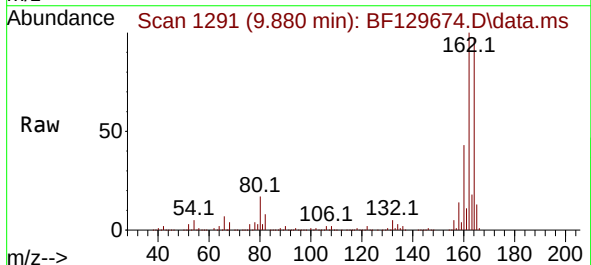
Instrument :
BNA_F
ClientSampleId :
RVE-219

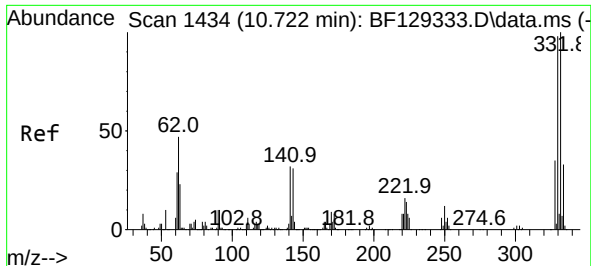
Tgt Ion: 82 Resp: 874037
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion:164 Resp: 334279
Ion Ratio Lower Upper
164 100
162 103.0 79.5 119.3
160 44.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 103.252 ng

RT: 10.674 min Scan# 1434

Delta R.T. -0.012 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

Instrument :

BNA_F

ClientSampleId :

RVE-219

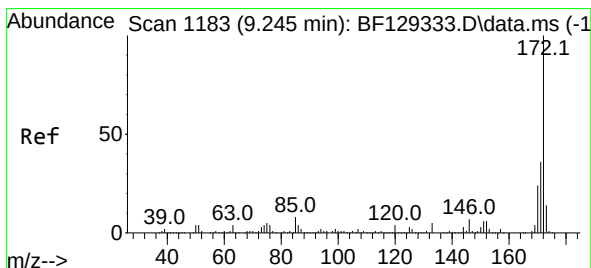
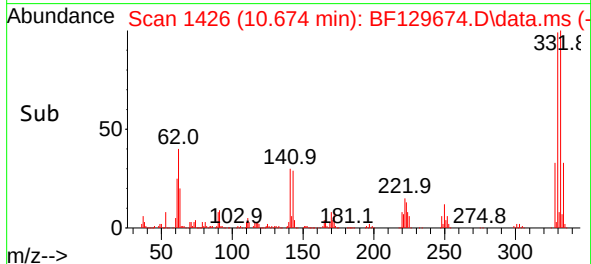
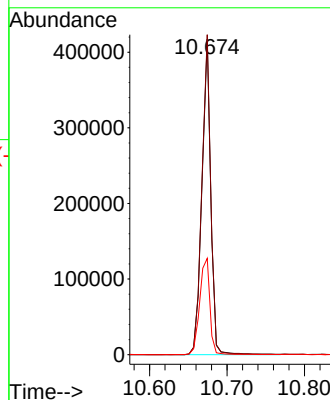
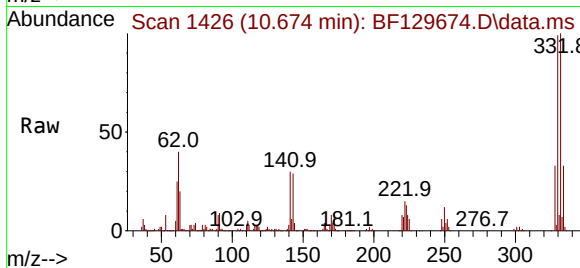
Tgt Ion:330 Resp: 331837

Ion Ratio Lower Upper

330 100

332 101.9 76.8 115.2

141 35.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 72.141 ng

RT: 9.198 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

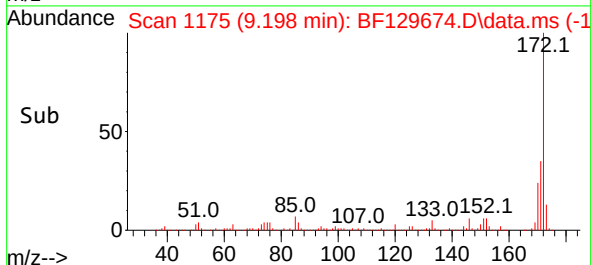
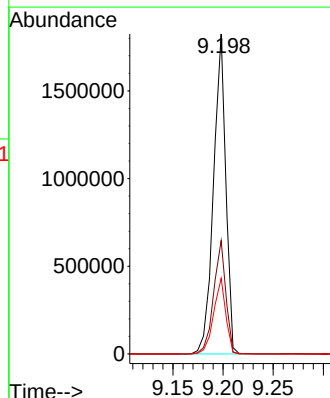
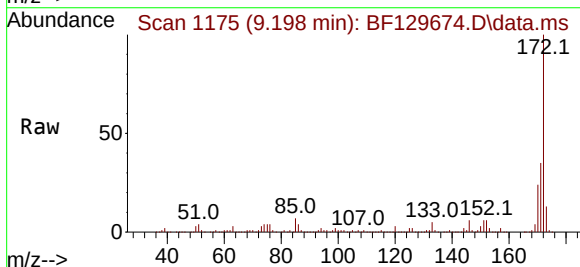
Tgt Ion:172 Resp: 1558897

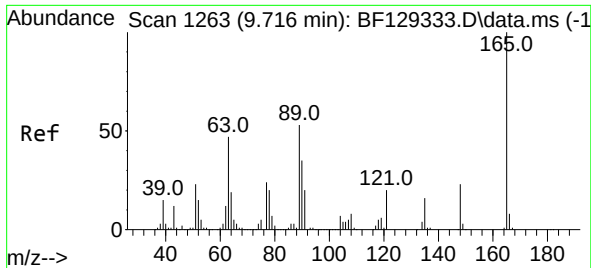
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.6 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.493 ng

RT: 9.880 min Scan# 1291

Delta R.T. 0.200 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

Instrument :

BNA_F

ClientSampleId :

RVE-219

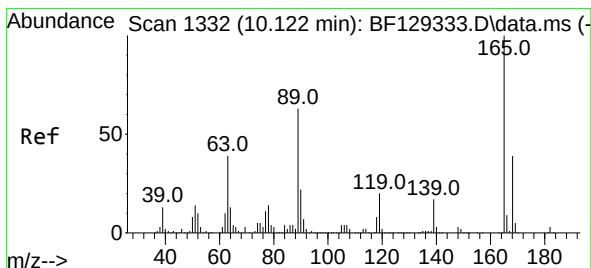
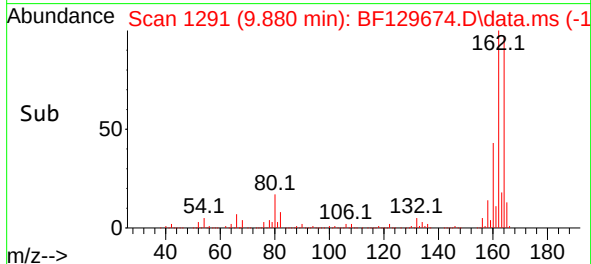
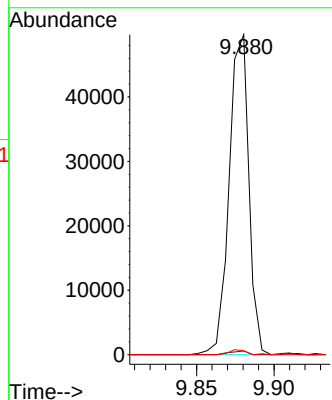
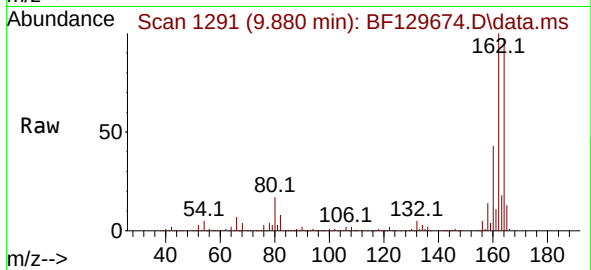
Tgt Ion:165 Resp: 43868

Ion Ratio Lower Upper

165 100

63 1.2 44.9 67.3#

89 1.3 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.502 ng

RT: 9.880 min Scan# 1291

Delta R.T. -0.206 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

Tgt Ion:165 Resp: 43868

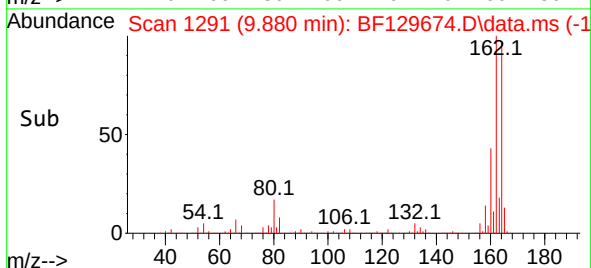
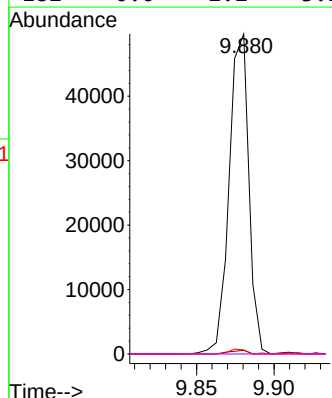
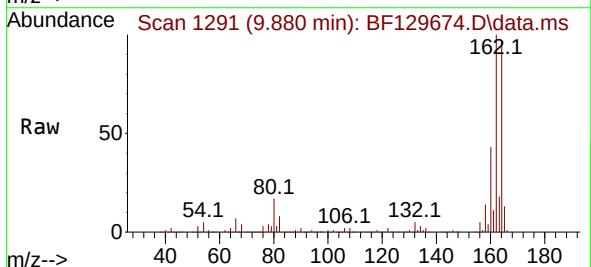
Ion Ratio Lower Upper

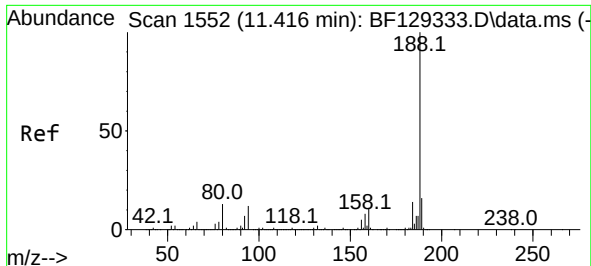
165 100

63 1.2 39.8 59.6#

89 1.3 60.2 90.2#

182 0.0 2.2 3.2#

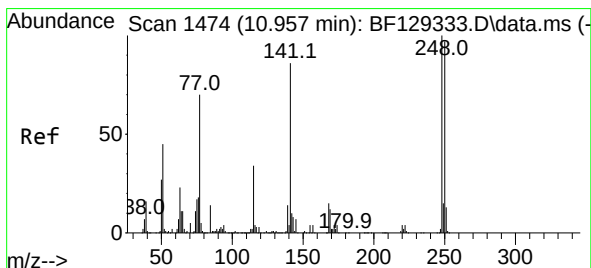
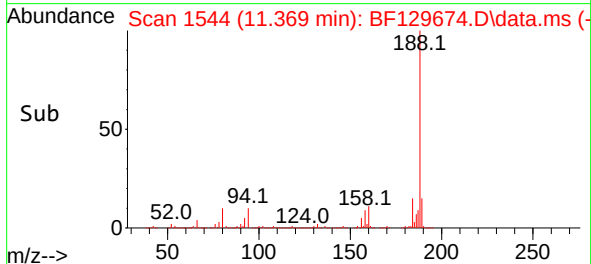
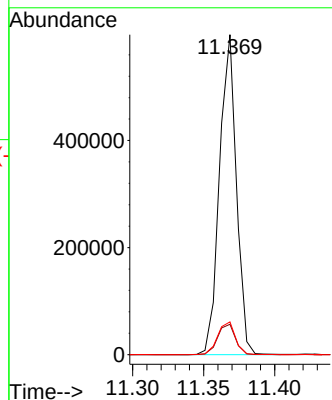
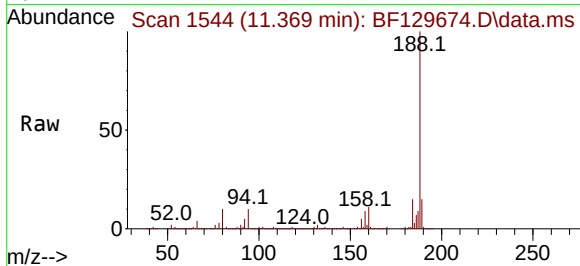




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

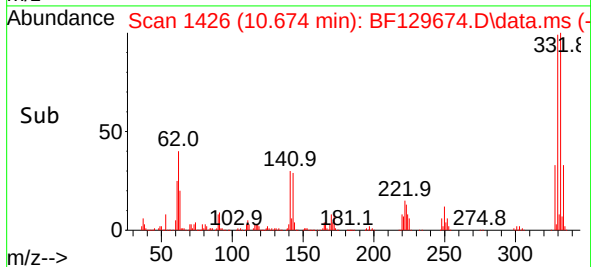
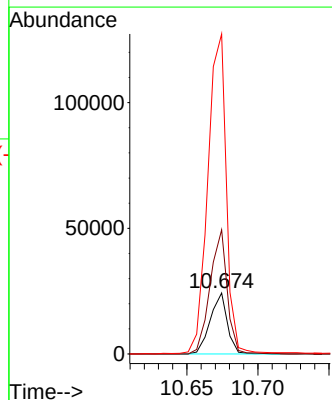
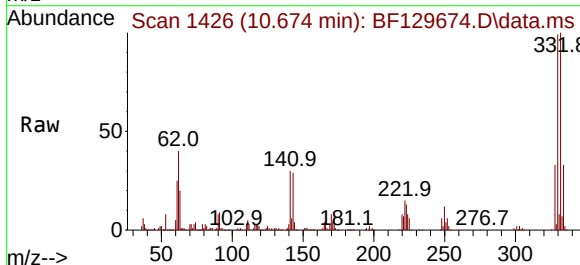
Instrument :
BNA_F
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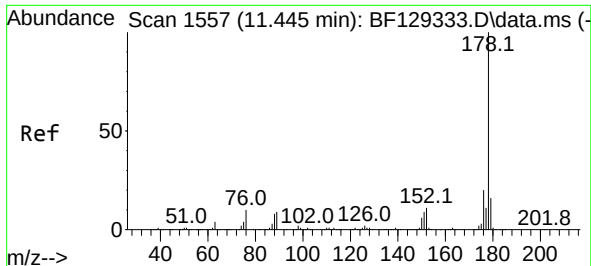
Tgt Ion:188 Resp: 494208
Ion Ratio Lower Upper
188 100
94 9.5 7.0 10.6
80 10.3 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.772 ng
RT: 10.674 min Scan# 1426
Delta R.T. -0.247 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion:248 Resp: 20414
Ion Ratio Lower Upper
248 100
250 203.8 80.6 120.8#
141 525.3 58.9 88.3#

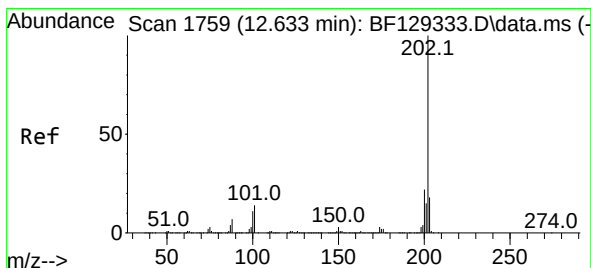
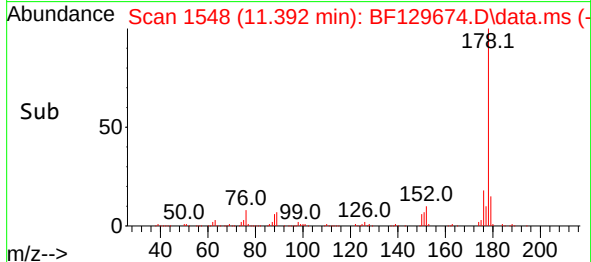
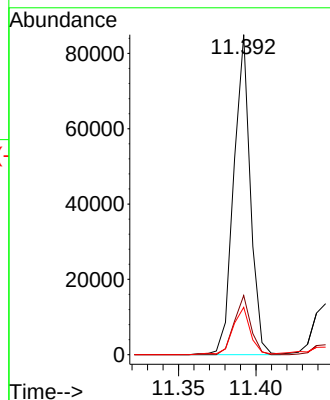
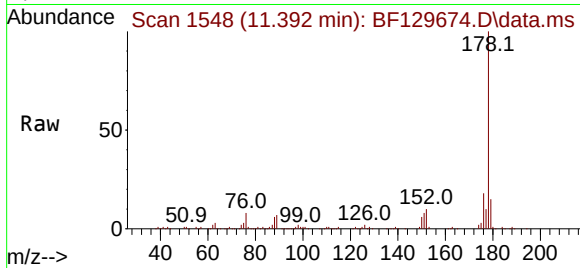




#71
Phenanthrene
Concen: 2.352 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

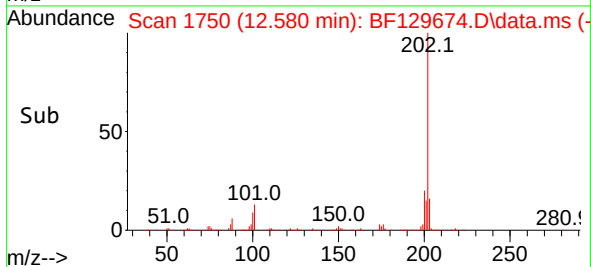
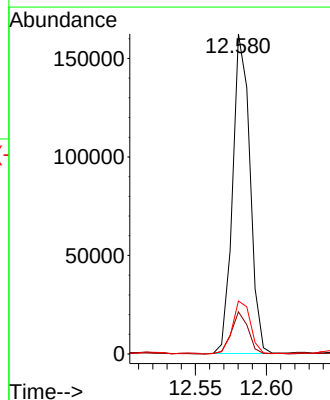
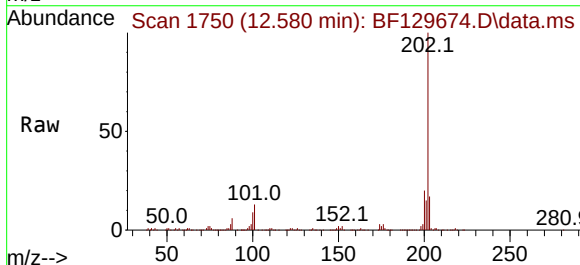
Instrument :
BNA_F
ClientSampleId :
RVE-219

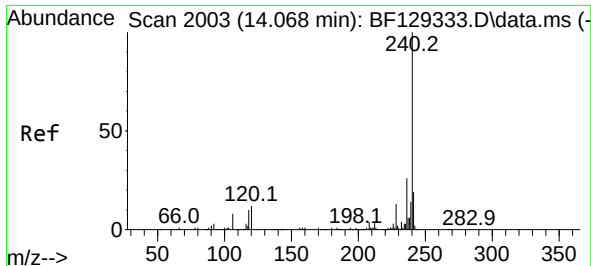
Tgt Ion:178 Resp: 63456
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 14.8 12.6 19.0



#75
Fluoranthene
Concen: 5.047 ng
RT: 12.580 min Scan# 1750
Delta R.T. -0.018 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion:202 Resp: 137945
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.4
203 16.5 0.0 38.0

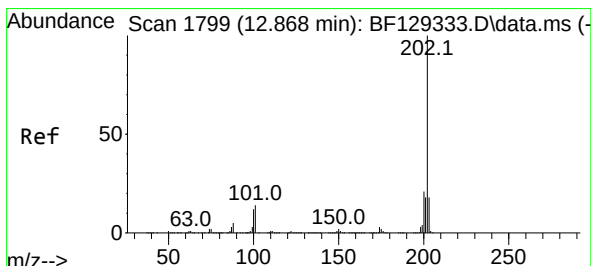
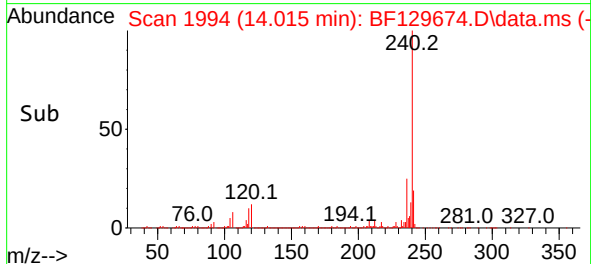
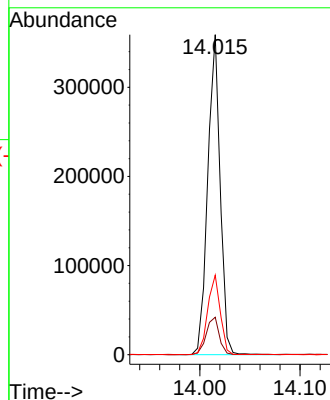
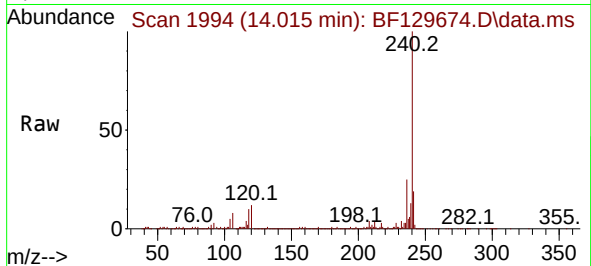




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

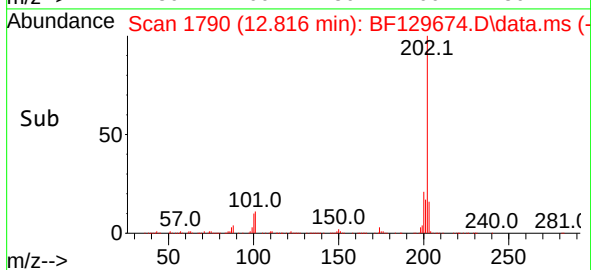
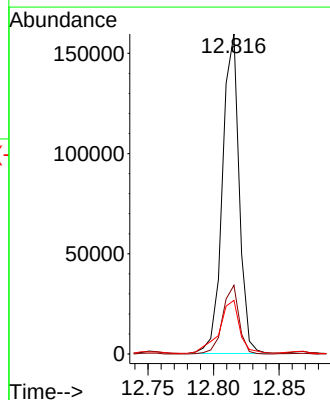
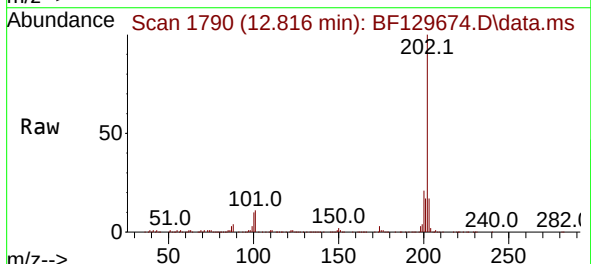
Instrument :
BNA_F
ClientSampleId :
RVE-219

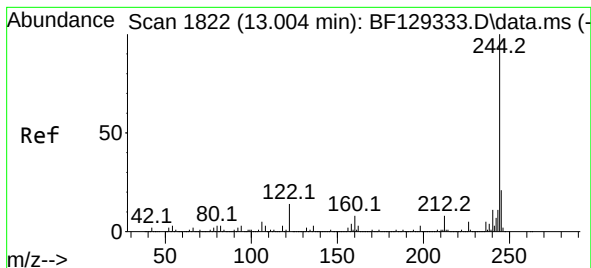
Tgt Ion:240 Resp: 310153
Ion Ratio Lower Upper
240 100
120 11.7 8.9 13.3
236 24.9 20.8 31.2



#78
Pyrene
Concen: 5.436 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion:202 Resp: 140987
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 16.7 14.6 21.8





#79

Terphenyl-d14

Concen: 76.162 ng

RT: 12.957 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

Instrument :

BNA_F

ClientSampleId :

RVE-219

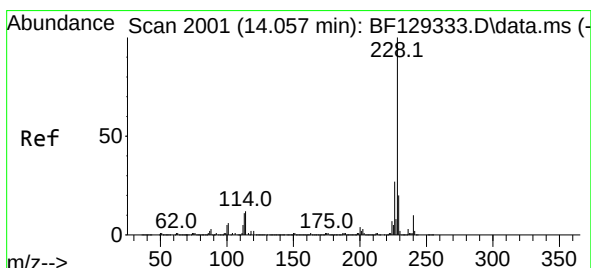
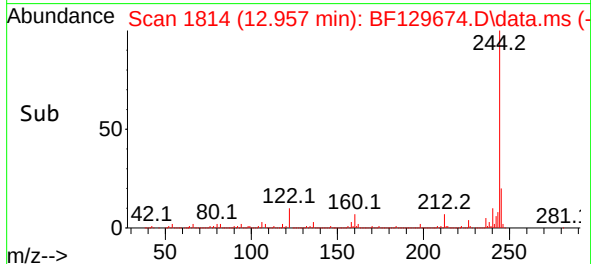
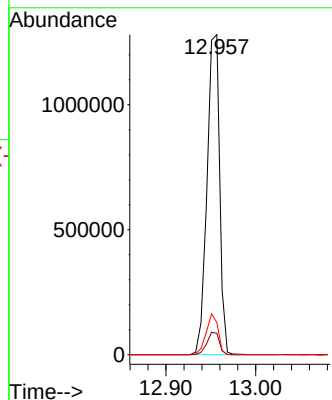
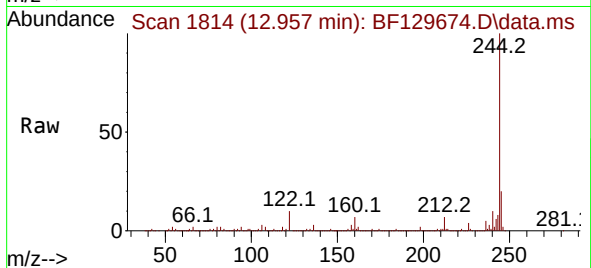
Tgt Ion:244 Resp: 1252093

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

122 10.1 8.8 13.2



#81

Benzo(a)anthracene

Concen: 3.047 ng

RT: 14.004 min Scan# 1992

Delta R.T. -0.012 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

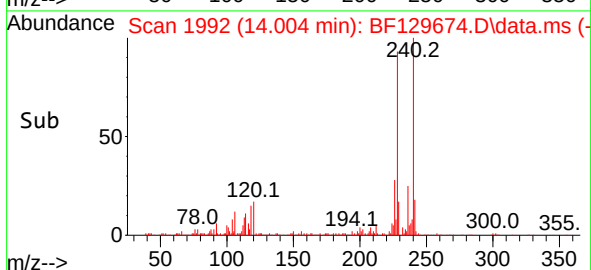
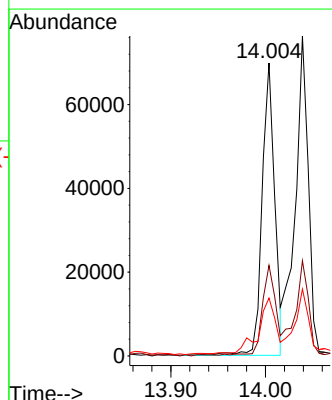
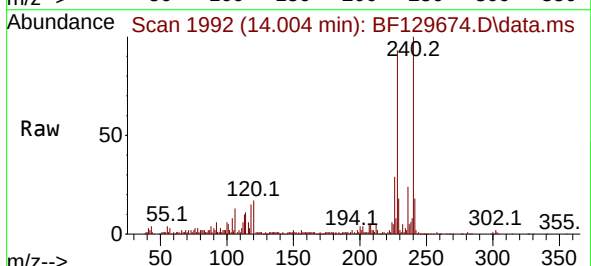
Tgt Ion:228 Resp: 64551

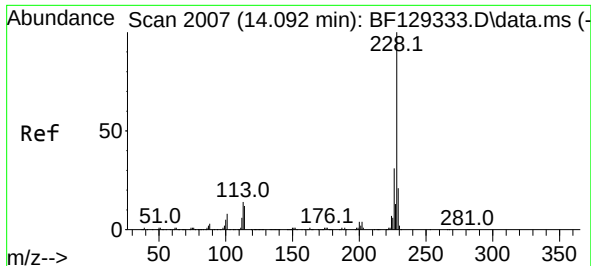
Ion Ratio Lower Upper

228 100

226 30.9 22.1 33.1

229 19.8 15.8 23.8

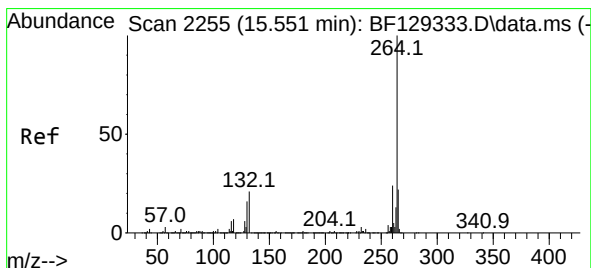
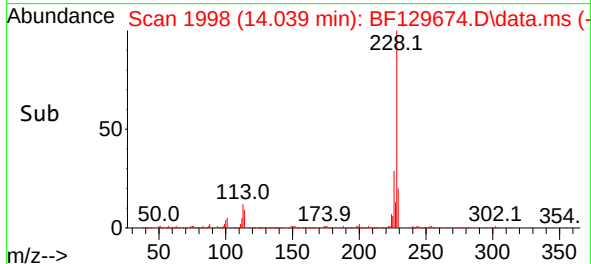
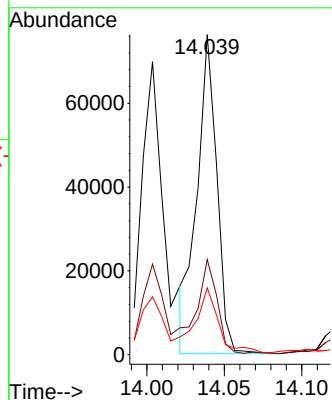
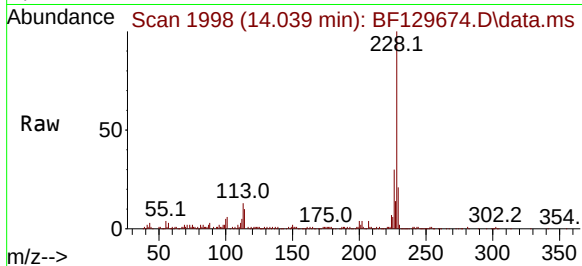




#83
Chrysene
Concen: 3.404 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

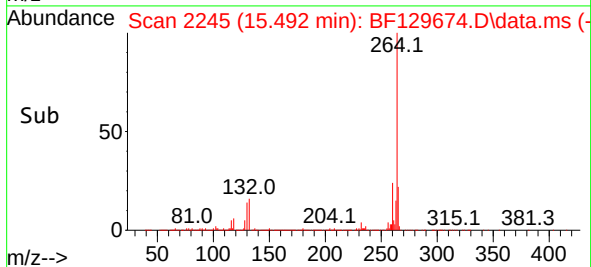
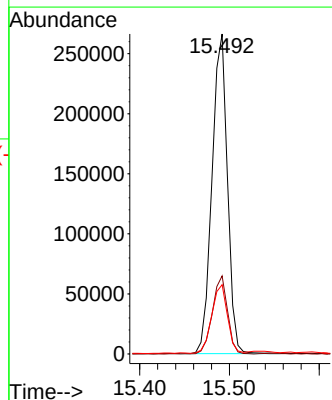
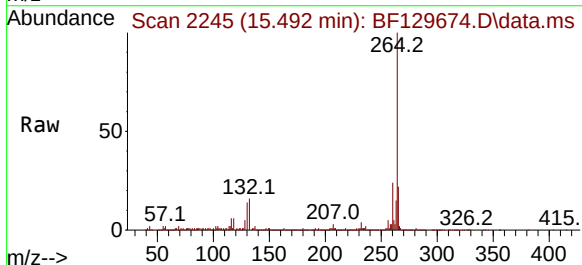
Instrument :
BNA_F
ClientSampleId :
RVE-219

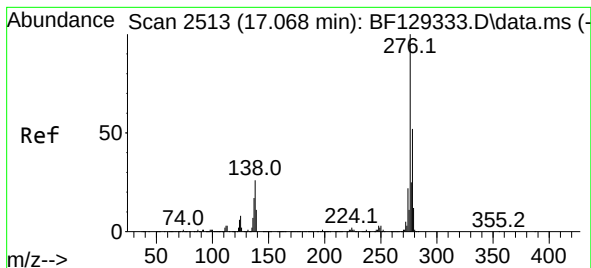
Tgt Ion:228 Resp: 67960
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 20.9 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129674.D
Acq: 09 Aug 2022 19:28

Tgt Ion:264 Resp: 317577
Ion Ratio Lower Upper
264 100
260 24.4 18.4 27.6
265 21.7 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.257 ng

RT: 16.968 min Scan# 2496

Delta R.T. -0.030 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

Instrument :

BNA_F

ClientSampleId :

RVE-219

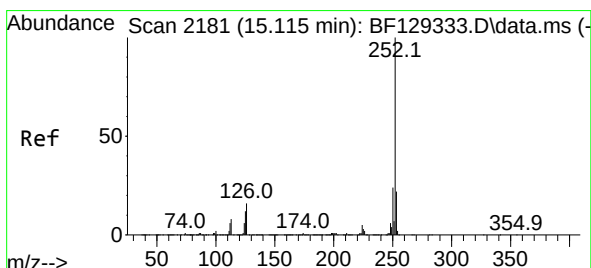
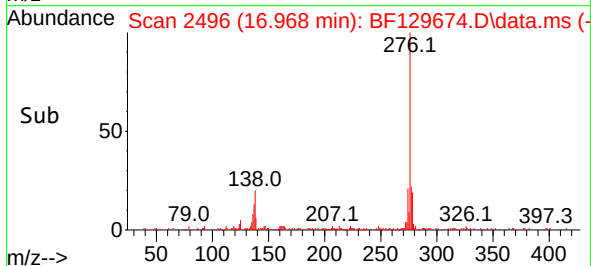
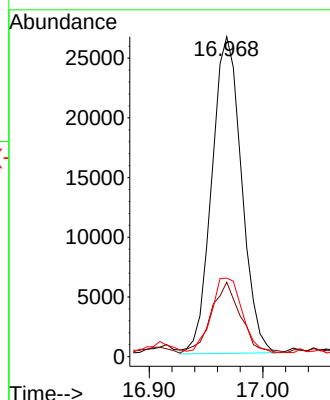
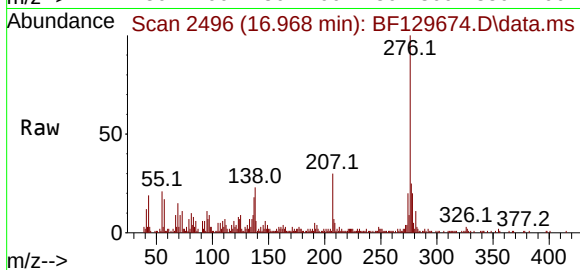
Tgt Ion:276 Resp: 48264

Ion Ratio Lower Upper

276 100

138 22.5 21.1 31.7

277 24.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 6.610 ng

RT: 15.057 min Scan# 2171

Delta R.T. -0.012 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

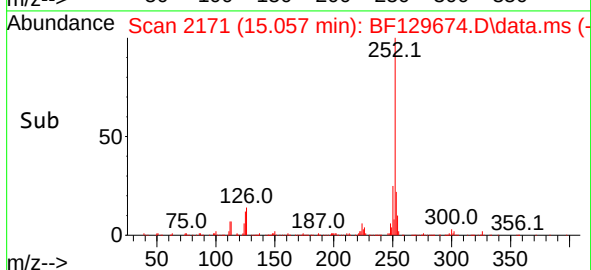
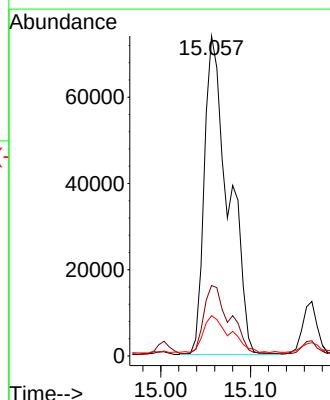
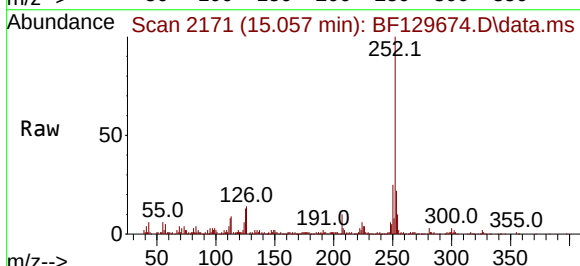
Tgt Ion:252 Resp: 139248

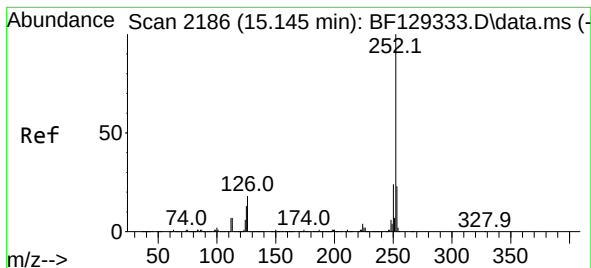
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 12.6 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 6.745 ng

RT: 15.057 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

Instrument :

BNA_F

ClientSampleId :

RVE-219

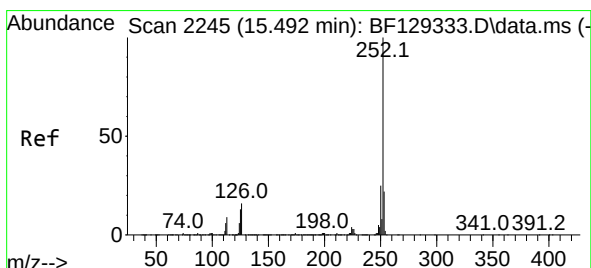
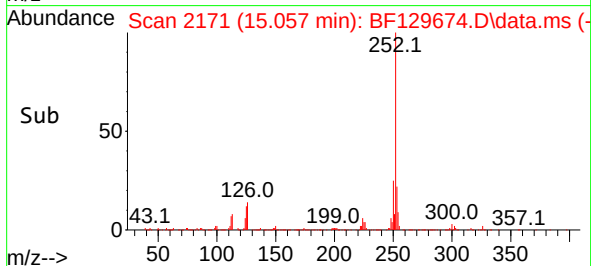
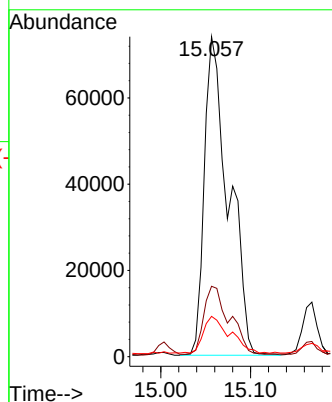
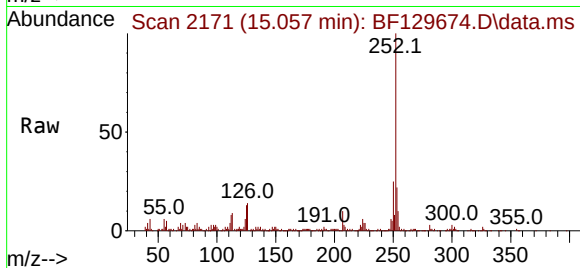
Tgt Ion:252 Resp: 139248

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 12.6 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 4.102 ng

RT: 15.427 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF129674.D

Acq: 09 Aug 2022 19:28

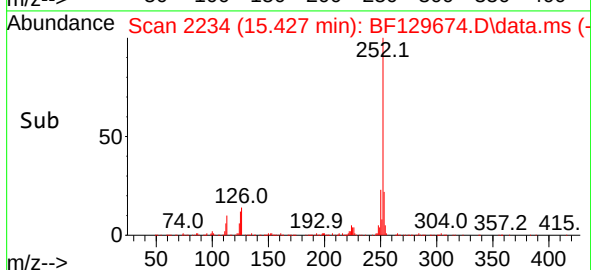
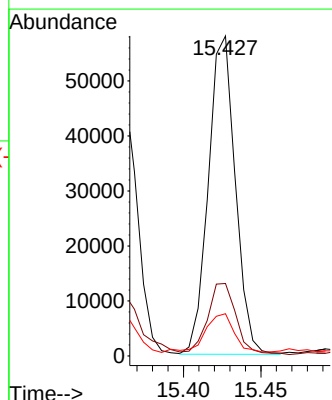
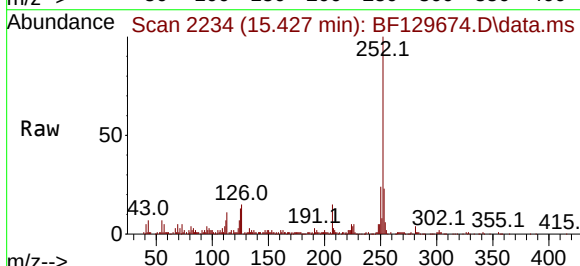
Tgt Ion:252 Resp: 70144

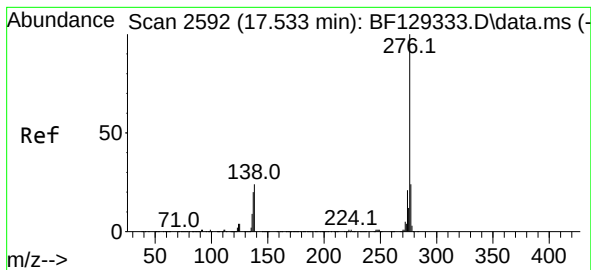
Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

125 13.2 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.624 ng

RT: 17.421 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF129674.D

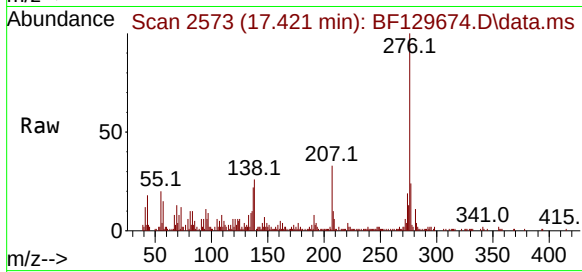
Acq: 09 Aug 2022 19:28

Instrument :

BNA_F

ClientSampleId :

RVE-219



Tgt Ion:276 Resp: 46667

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 26.2 18.0 27.0

