

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081822\
 Data File : BF129881.D
 Acq On : 18 Aug 2022 18:05
 Operator : CG\JU
 Sample : N4200-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5

Quant Time: Aug 19 01:01:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 18 12:03:10 2022
 Response via : Initial Calibration

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

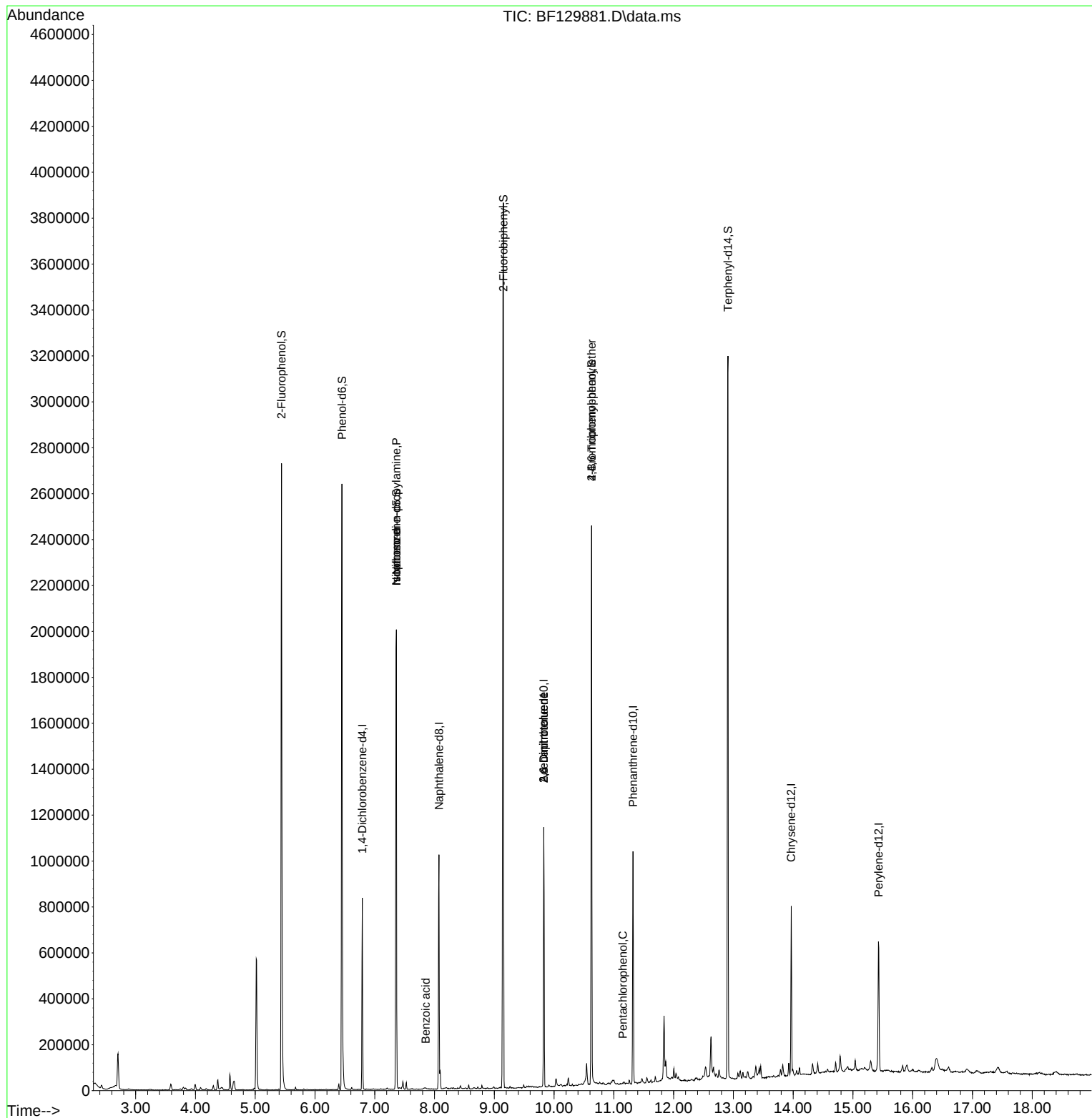
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	110776	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	442576	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	226540	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	340474	20.000	ng	0.00
76) Chrysene-d12	13.968	240	221911	20.000	ng	0.00
86) Perylene-d12	15.427	264	256315	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	784467	117.249	ng	0.01
7) Phenol-d6	6.451	99	883621	105.463	ng	0.00
23) Nitrobenzene-d5	7.363	82	688598	83.289	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	281144	123.652	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1248481	83.703	ng	0.00
79) Terphenyl-d14	12.910	244	1115214	83.621	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.351	77	258	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.363	70	91431	17.264	ng	# 76
25) Isophorone	7.363	82	688591	48.391	ng	# 65
32) Benzoic acid	7.851	122	1532	2.914	ng	# 90
51) 2,6-Dinitrotoluene	9.828	165	29491	8.371	ng	# 23
57) 2,4-Dinitrotoluene	9.828	165	29491	6.449	ng	# 18
67) 4-Bromophenyl-phenylether	10.627	248	17175	4.307	ng	# 1
70) Pentachlorophenol	11.151	266	126	5.273	ng	# 46
77) Benzidine	12.669	184	15172	Below Cal	#	93

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

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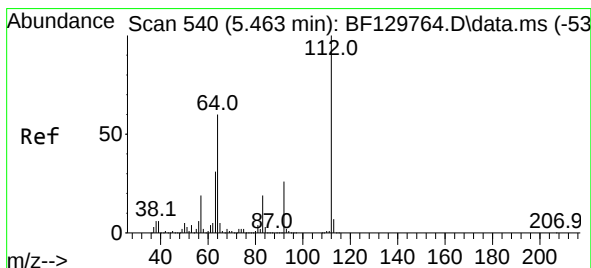
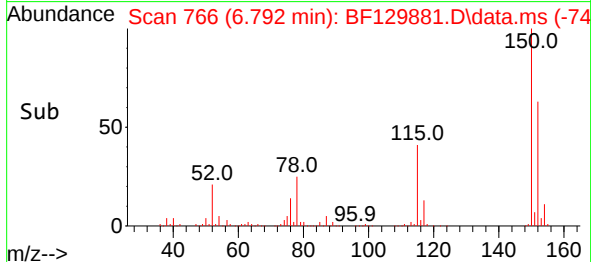
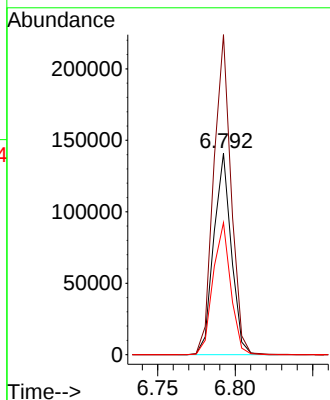
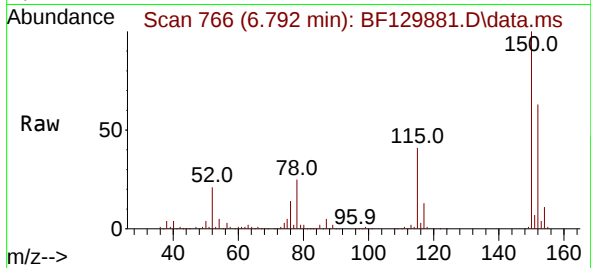




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

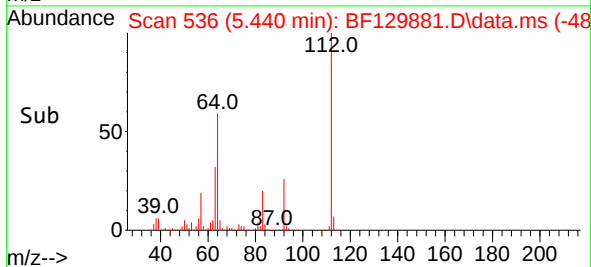
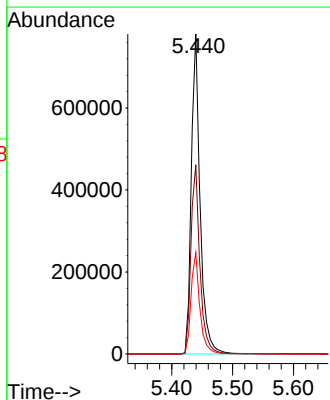
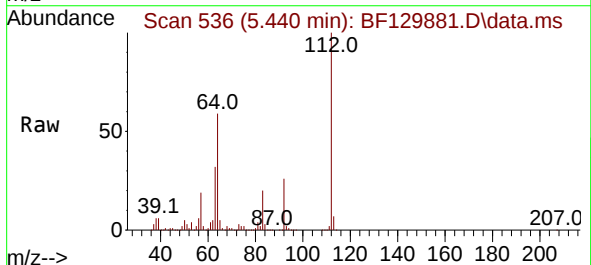
Instrument :
BNA_F
ClientSampleId :
S5

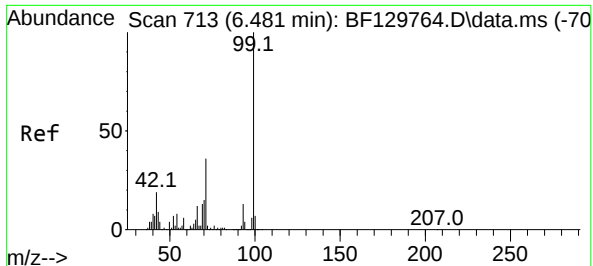
Tgt Ion:152 Resp: 110776
Ion Ratio Lower Upper
152 100
150 158.8 126.9 190.3
115 65.5 53.4 80.0



#5
2-Fluorophenol
Concen: 117.249 ng
RT: 5.440 min Scan# 536
Delta R.T. 0.012 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion:112 Resp: 784467
Ion Ratio Lower Upper
112 100
64 59.1 47.6 71.4
63 31.7 24.6 37.0

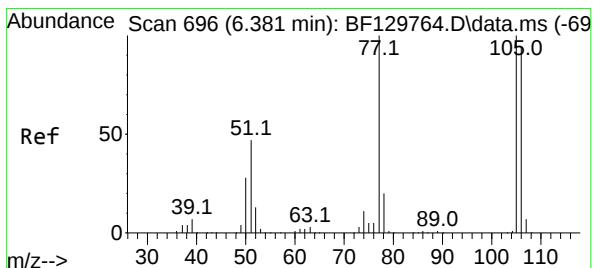
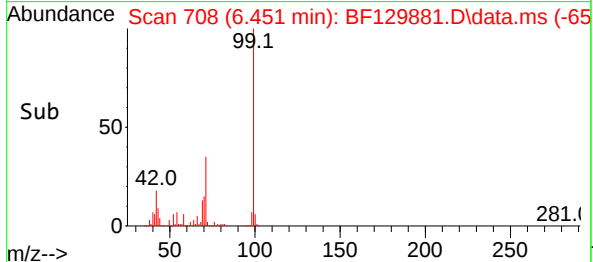
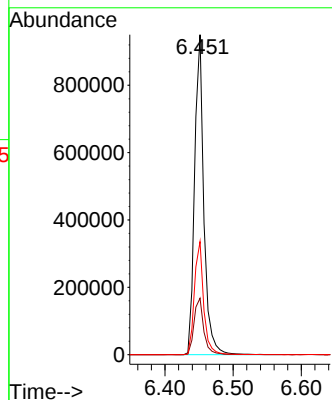
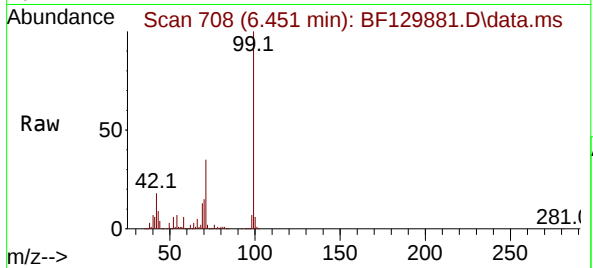




#7
Phenol-d6
Concen: 105.463 ng
RT: 6.451 min Scan# 70
Delta R.T. 0.000 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

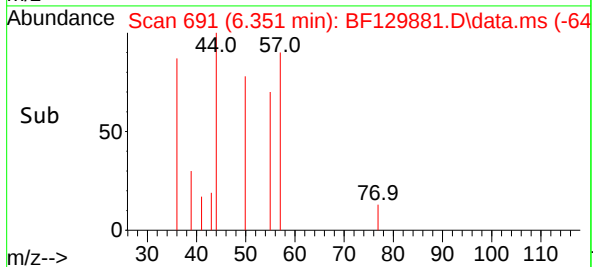
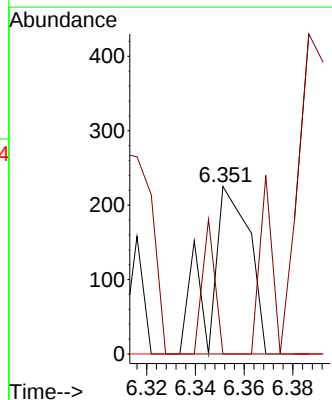
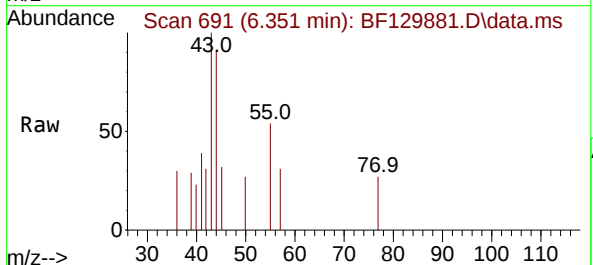
Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion: 99 Resp: 883621
Ion Ratio Lower Upper
99 100
42 17.6 15.0 22.4
71 35.4 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.351 min Scan# 691
Delta R.T. 0.000 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion: 77 Resp: 258
Ion Ratio Lower Upper
77 100
105 0.0 80.3 120.3#
106 0.0 74.3 114.3#

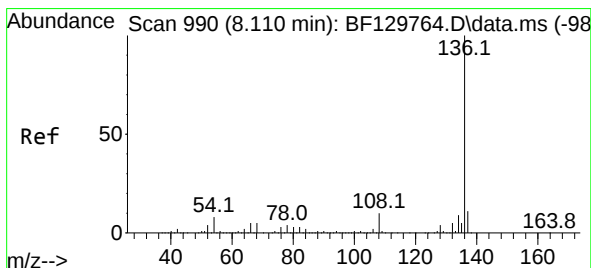
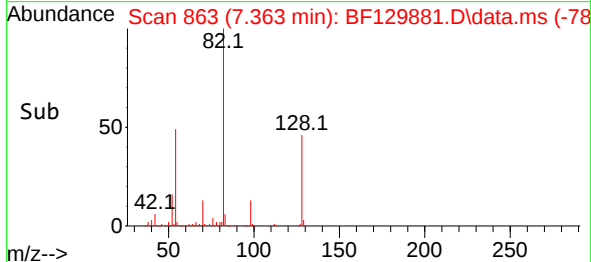
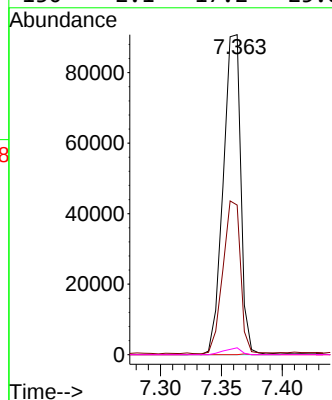
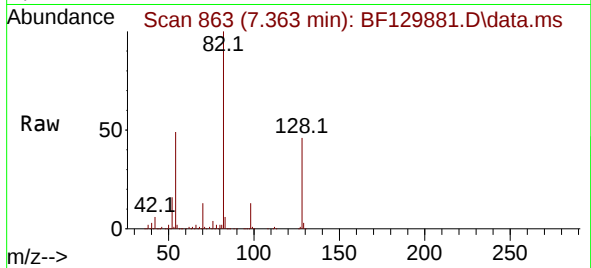




#19
n-Nitroso-di-n-propylamine
Concen: 17.264 ng
RT: 7.363 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

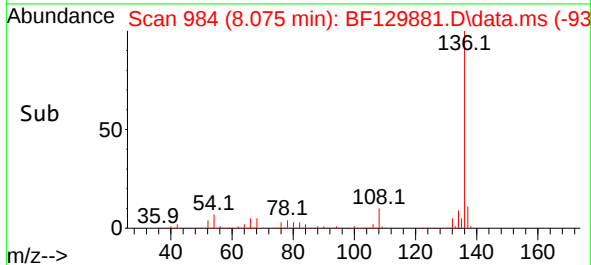
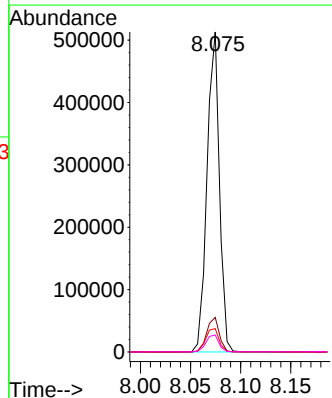
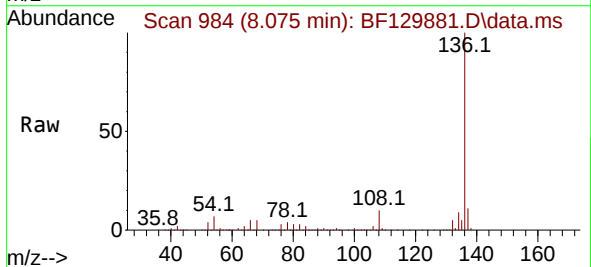
Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion: 70 Resp: 91431
Ion Ratio Lower Upper
70 100
42 46.8 47.6 71.4#
101 0.0 8.1 12.1#
130 2.1 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion: 136 Resp: 442576
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.3 6.2 9.2
68 5.3 4.2 6.4

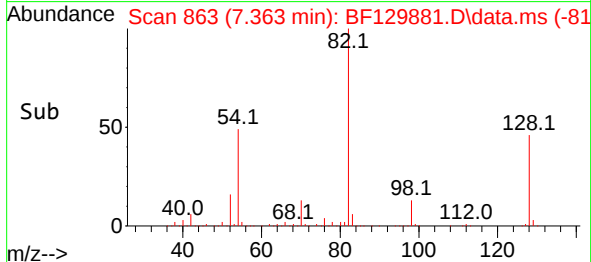
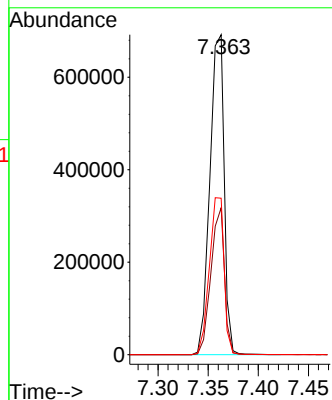
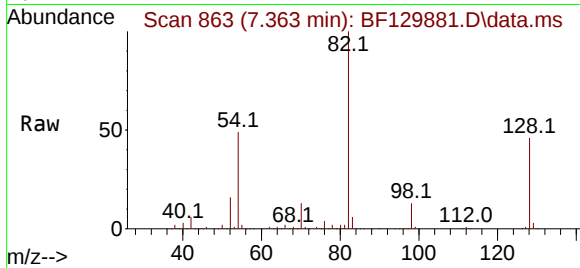




#23
Nitrobenzene-d5
Concen: 83.289 ng
RT: 7.363 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

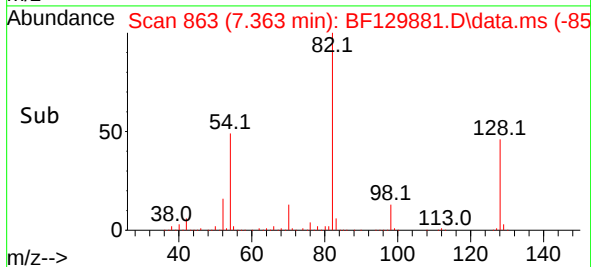
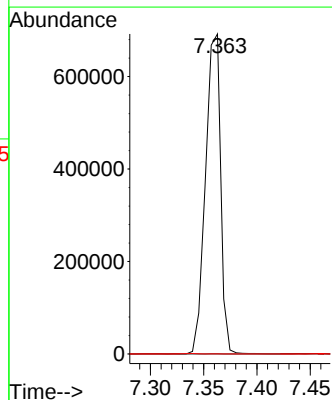
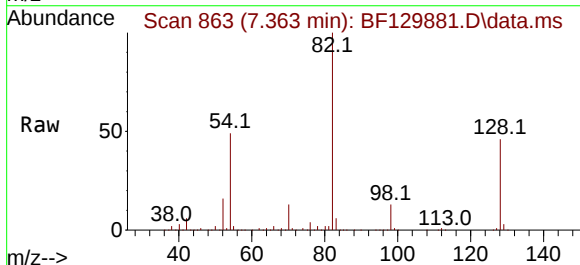
Instrument :
BNA_F
ClientSampleId :
S5

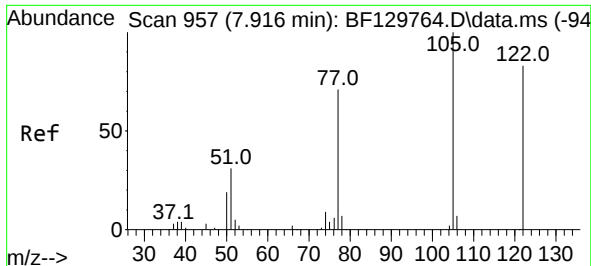
Tgt Ion: 82 Resp: 688598
Ion Ratio Lower Upper
82 100
128 45.9 36.1 54.1
54 48.9 40.0 60.0



#25
Isophorone
Concen: 48.391 ng
RT: 7.363 min Scan# 863
Delta R.T. -0.259 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion: 82 Resp: 688591
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

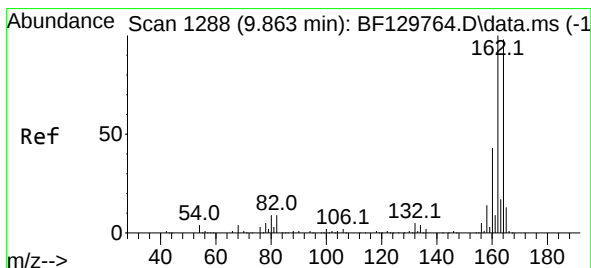
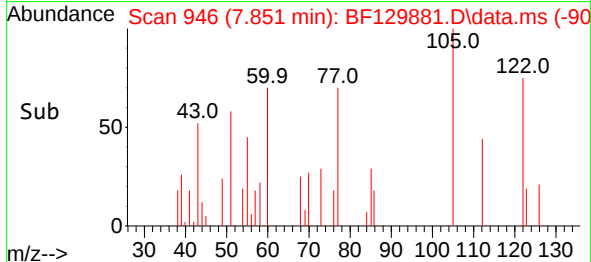
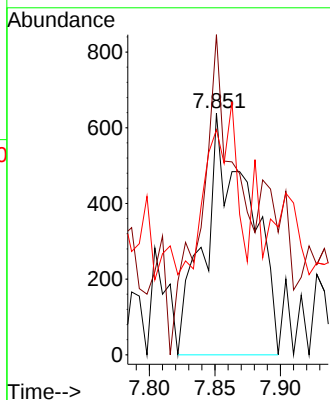
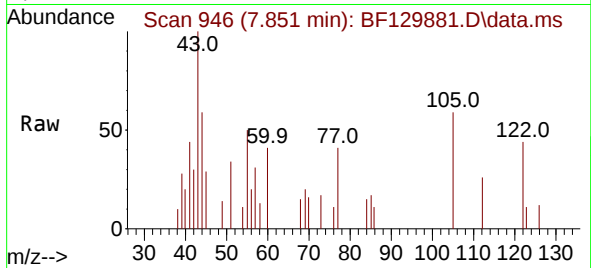




#32
Benzoic acid
Concen: 2.914 ng
RT: 7.851 min Scan# 946
Delta R.T. -0.035 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

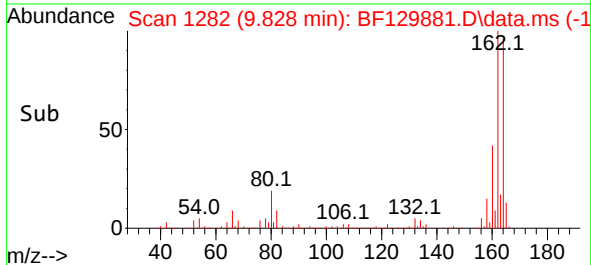
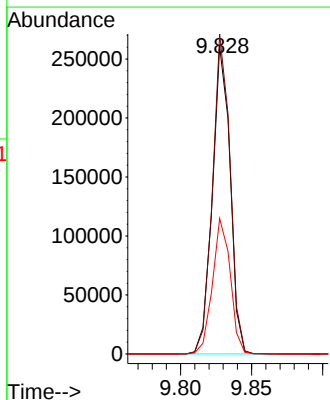
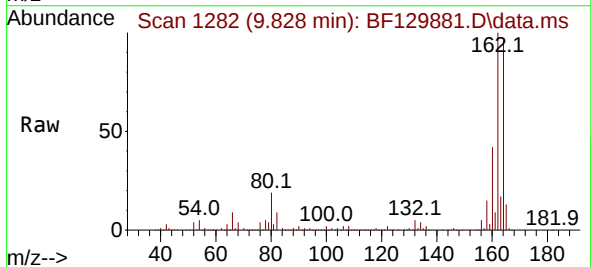
Instrument :
BNA_F
ClientSampleId :
S5

Tgt Ion:122 Resp: 1532
Ion Ratio Lower Upper
122 100
105 132.6 99.9 139.9
77 93.3 65.9 105.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion:164 Resp: 226540
Ion Ratio Lower Upper
164 100
162 104.1 82.0 123.0
160 44.1 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 123.652 ng

RT: 10.627 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF129881.D

Acq: 18 Aug 2022 18:05

Instrument :

BNA_F

ClientSampleId :

S5

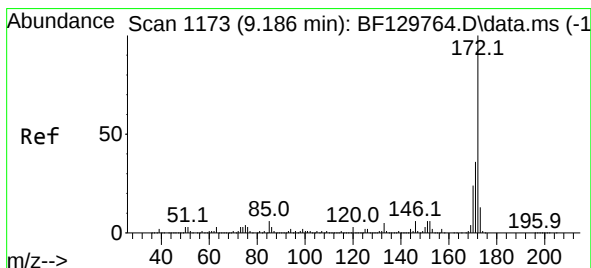
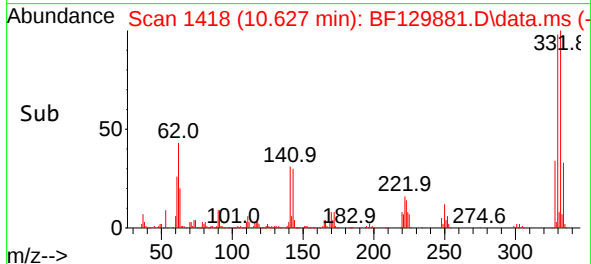
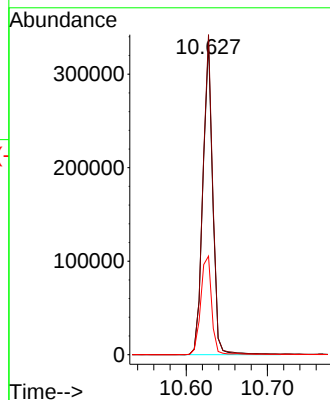
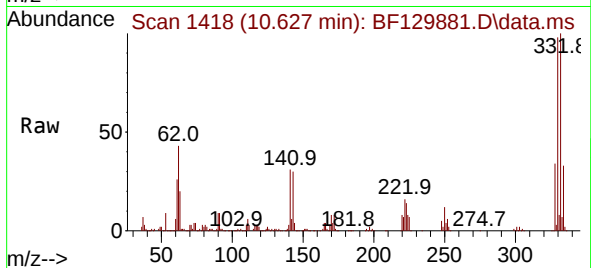
Tgt Ion:330 Resp: 281144

Ion Ratio Lower Upper

330 100

332 102.7 82.6 124.0

141 35.6 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 83.703 ng

RT: 9.151 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF129881.D

Acq: 18 Aug 2022 18:05

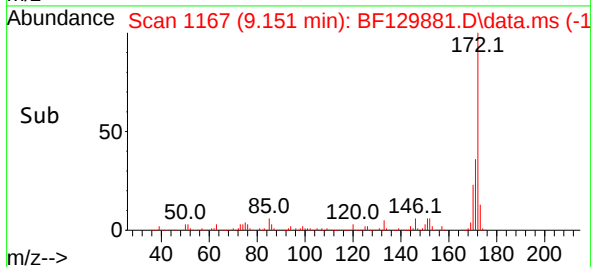
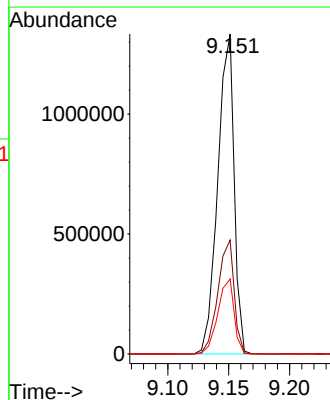
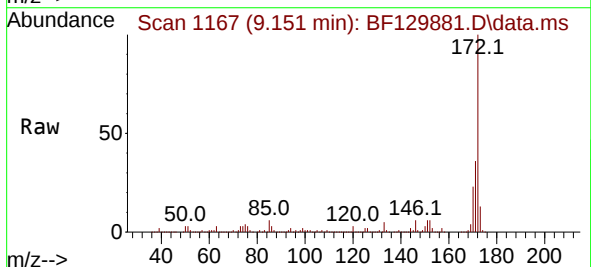
Tgt Ion:172 Resp: 1248481

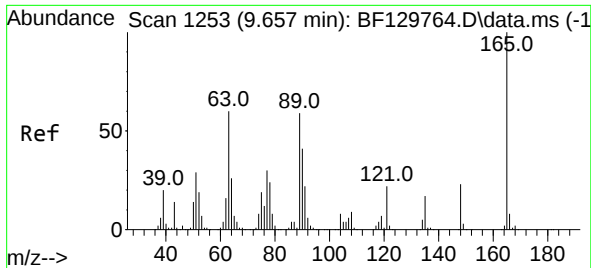
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.5 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 8.371 ng

RT: 9.828 min Scan# 1282

Delta R.T. 0.200 min

Lab File: BF129881.D

Acq: 18 Aug 2022 18:05

Instrument :

BNA_F

ClientSampleId :

S5

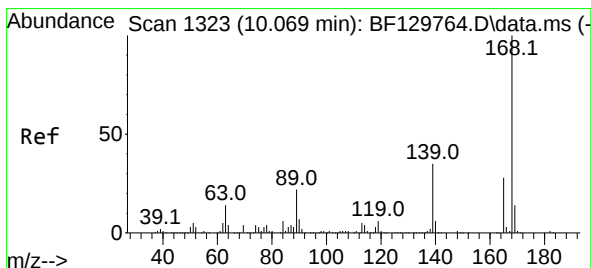
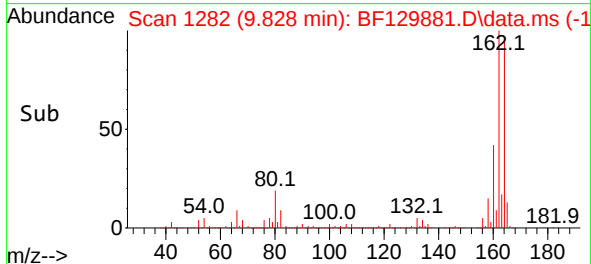
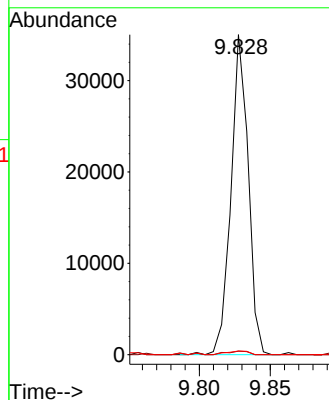
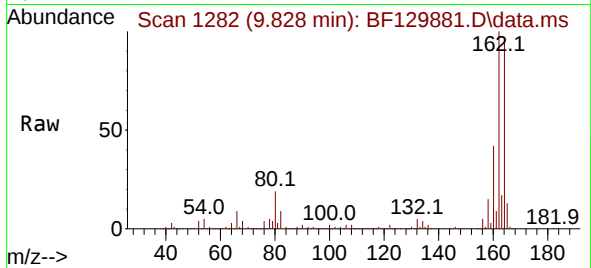
Tgt Ion:165 Resp: 29491

Ion Ratio Lower Upper

165 100

63 1.1 47.8 71.8#

89 1.1 47.2 70.8#



#57

2,4-Dinitrotoluene

Concen: 6.449 ng

RT: 9.828 min Scan# 1282

Delta R.T. -0.212 min

Lab File: BF129881.D

Acq: 18 Aug 2022 18:05

Tgt Ion:165 Resp: 29491

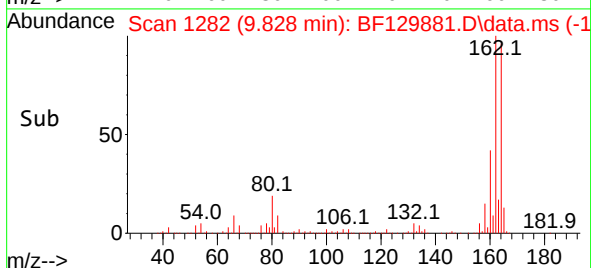
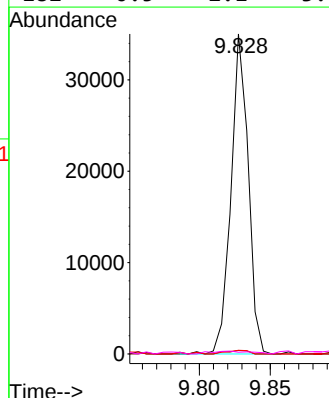
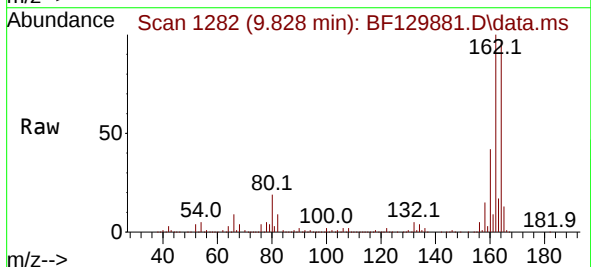
Ion Ratio Lower Upper

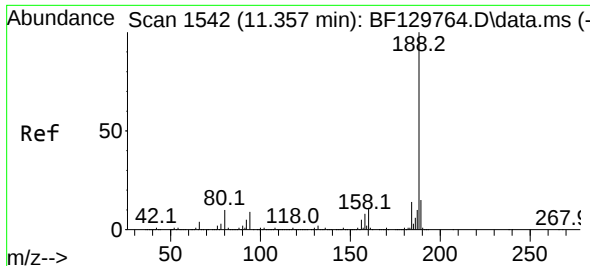
165 100

63 1.1 48.4 72.6#

89 1.1 62.3 93.5#

182 0.5 2.1 3.1#

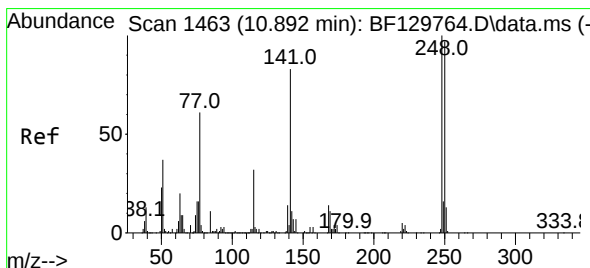
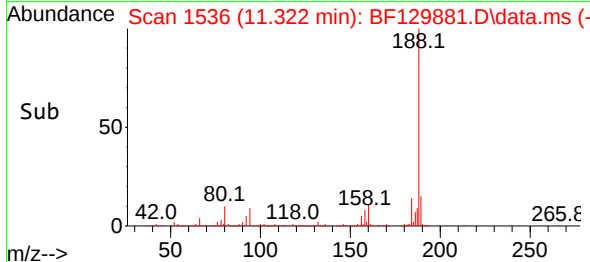
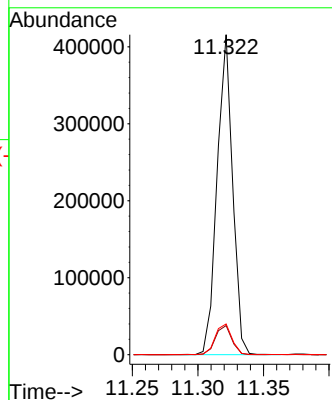
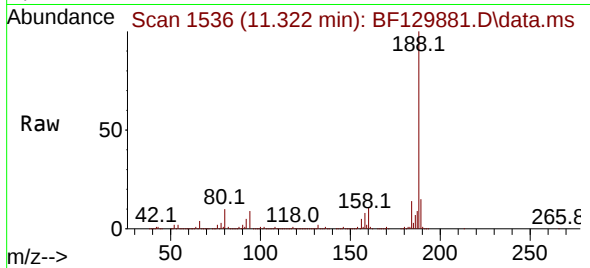




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

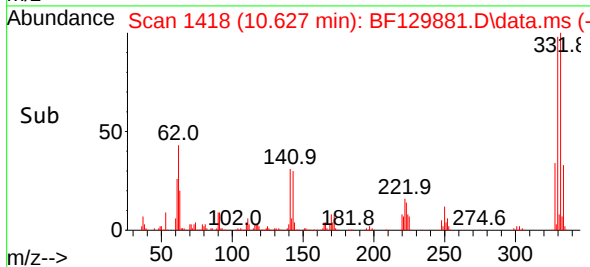
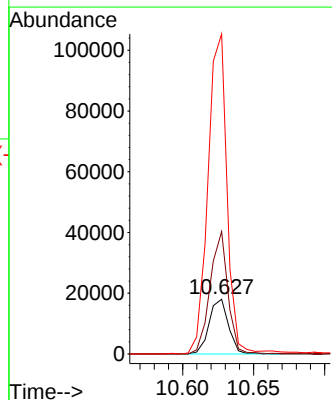
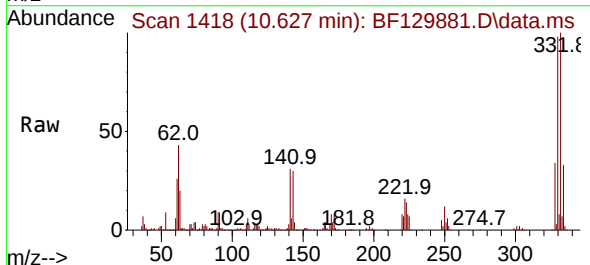
Instrument :
BNA_F
ClientSampleId :
S5

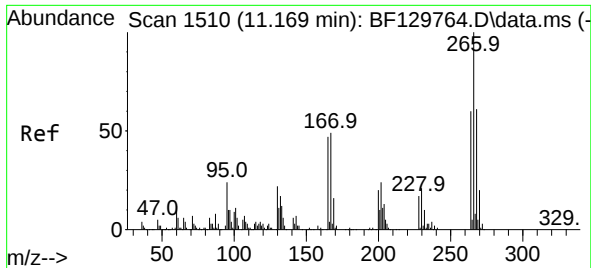
Tgt Ion:188 Resp: 340474
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.6 7.9 11.9



#67
4-Bromophenyl-phenylether
Concen: 4.307 ng
RT: 10.627 min Scan# 1418
Delta R.T. -0.235 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion:248 Resp: 17175
Ion Ratio Lower Upper
248 100
250 223.5 77.8 116.6#
141 583.9 66.2 99.2#

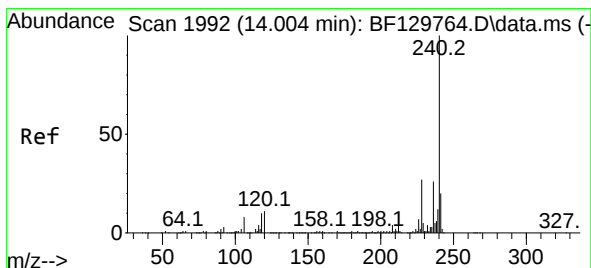
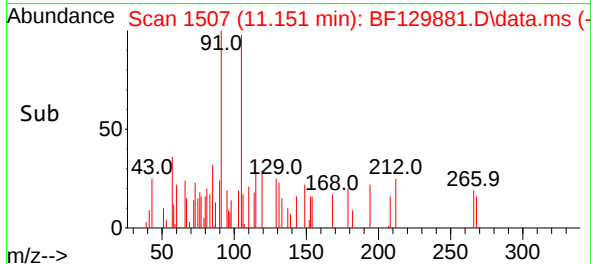
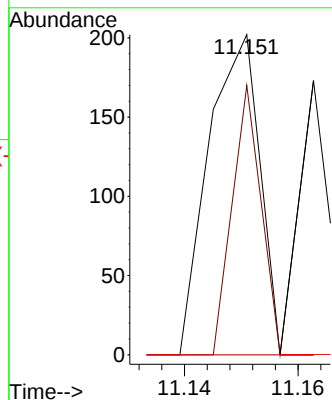
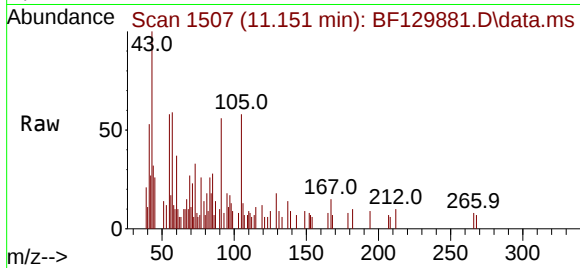




#70
Pentachlorophenol
Concen: 5.273 ng
RT: 11.151 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

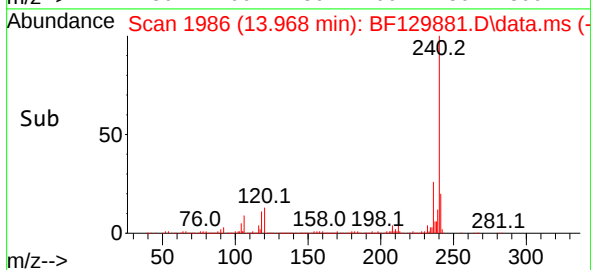
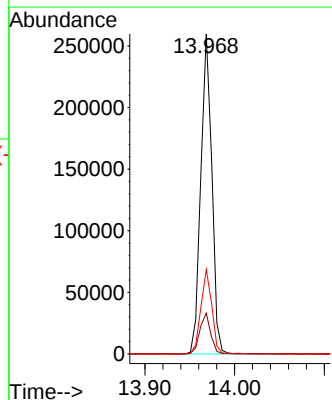
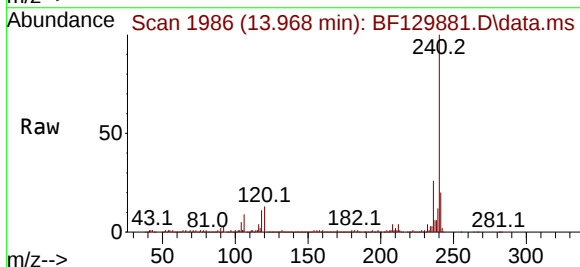
Instrument :
BNA_F
ClientSampleId :
S5

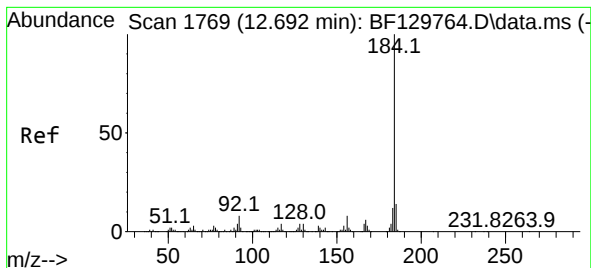
Tgt Ion:266 Resp: 126
Ion Ratio Lower Upper
266 100
268 84.2 49.0 73.4#
264 0.0 47.9 71.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 1986
Delta R.T. -0.006 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Tgt Ion:240 Resp: 221911
Ion Ratio Lower Upper
240 100
120 12.8 9.2 13.8
236 26.4 20.7 31.1





#77

Benzidine

Concen: Below Cal

RT: 12.669 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF129881.D

Acq: 18 Aug 2022 18:05

Instrument :

BNA_F

ClientSampleId :

S5

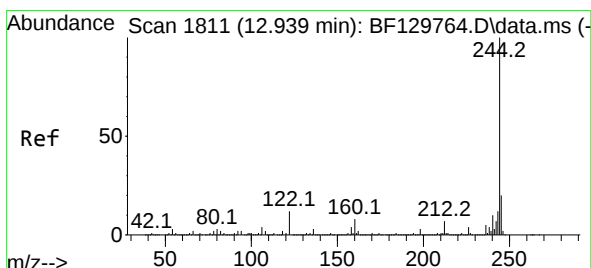
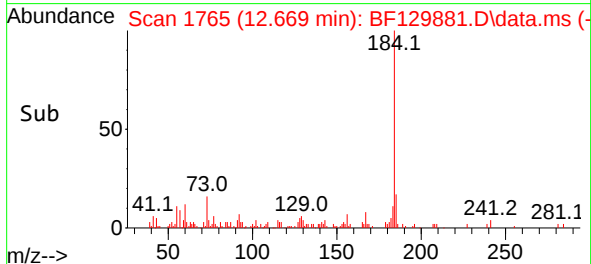
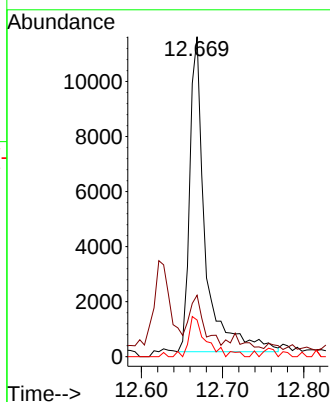
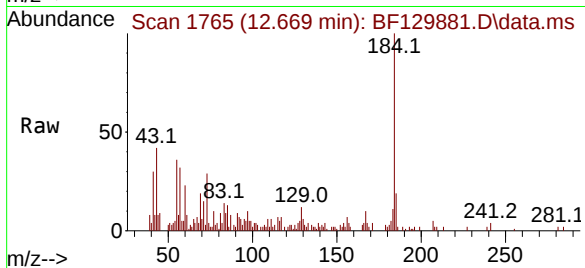
Tgt Ion:184 Resp: 15172

Ion Ratio Lower Upper

184 100

185 19.2 11.4 17.2#

183 11.5 9.4 14.2



#79

Terphenyl-d14

Concen: 83.621 ng

RT: 12.910 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF129881.D

Acq: 18 Aug 2022 18:05

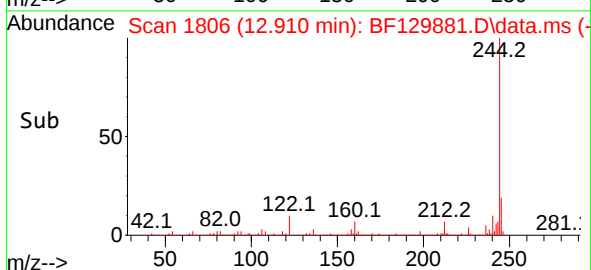
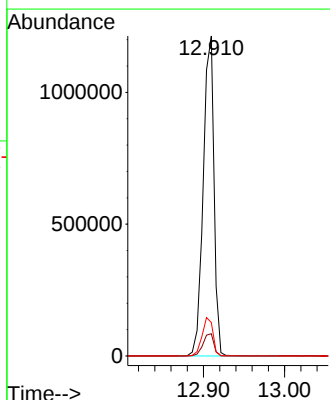
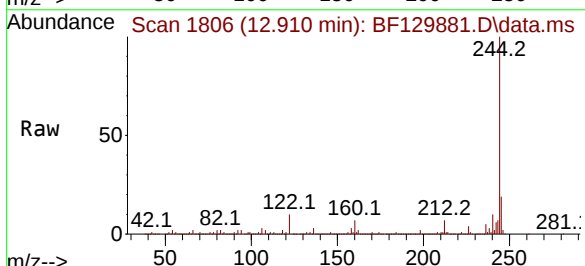
Tgt Ion:244 Resp: 1115214

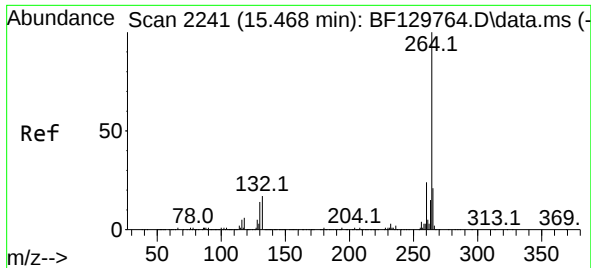
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

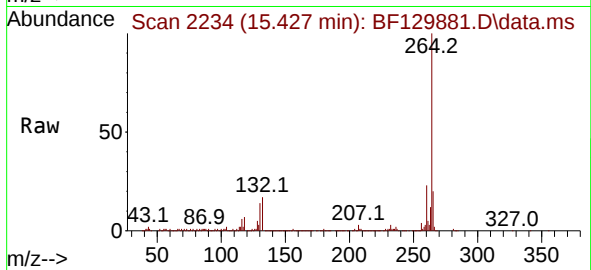
122 10.5 9.9 14.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF129881.D
Acq: 18 Aug 2022 18:05

Instrument :
BNA_F
ClientSampleId :
S5



Tgt Ion:264 Resp: 256315
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 20.4 16.7 25.1

